

LM-79-19 Test Report

For

RAB LIGHTING INC.

408 W 14th St, New York, NY 10014 United States

Track or Mono-Point Luminaires

Model Name(s): TK22L[blank, B]

Representative (Tested) Model:

TK22L[blank, B](0%,2700K)

TK22L[blank, B](50%,3500K)

TK22L[blank, B](100%,5000K)

Model Difference: N/A

Prepared by:

Alan Wang

Engineer: Alan Wang

Date: 2025-04-17

Reviewed by:

Vincent Yuan

Technical Lead: Vincent Yuan

Issue Date: 2025-04-15

Revised Date: N/A

- Note:
1. The results contained in this report pertain only to the tested samples.
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 3. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the U.S. Government.

Laboratory: Dongguan New Testing Centre Co., Ltd

Address: 3F, No. 1 the 1st North Industry Road, Songshan Lake Science & Technology Park, Dongguan, Guangdong, China

Tel: 86-769-22212079

Website: <http://www.ntc-cert.com>

Client Information:

Applicant Name:	RAB LIGHTING INC.
Brand Name:	RAB LIGHTING
Manufacturer Name:	RAB LIGHTING INC.
Manufacturer Address:	408 W 14th St, New York, NY 10014 United States

Product Information:

Model Number:	TK22L[blank, B]
Product Type:	Track or Mono-Point Luminaires
Rating Input:	120Vac, 60Hz, 20W/25W/30W
Declared CCT:	2700K,3000K,3500K,4000K,5000K (Color Tunable)
LED Manufacturer:	Bridgelux Inc.
LED Model:	BXRV-TR-2750G-20F6-A-23

Test Information:

Standard Lamp:	Total Spectral Radiant Flux Standard Lamp, trace to NIST. 1. D908S for Gonio, luminous uncertainty 3.14% 2. D215S for Integrating Sphere, luminous uncertainty 2.86%, CCT uncertainty 3K
Date of Receipt Samples:	2024-01-06
Quantity of Receipt Samples:	1 pc
Sample Number:	250114003-S1
Test Representation:	N/A

Laboratory Information:

Test Laboratory:	Dongguan New Testing Centre Co., Ltd
Laboratory Address:	3F, No. 1 the 1 st North Industry Road, Songshan Lake Science & Technology Park, Dongguan, Guangdong, China
Laboratory Contact Name:	Neil Zhong
Laboratory Contact E-mail:	Neil_zhong@ntc-cert.com

Report Information:

Test Report Form:	LM-79_TRF_V1.6
Issued Date of Test Report:	2025-04-15
Revised Date of Test Report:	N/A
Test Report No.:	NTCLR25040345
Remark (If applicable):	1. This report is copied from NTCLR25040100, due to the same product.

Test Specification:	
Date of Test	2025-01-08
Test Item	<ol style="list-style-type: none"> 1. Total Luminous Flux 2. Luminous Distribution Intensity 3. Luminous Efficacy 4. Correlated Color Temperature 5. Color Rendering Index 6. Chromaticity Coordinate 7. Fidelity Index 8. Gamut Index 9. Local Chroma Shift 10. THD and PF
Reference Standard	ANSI/IES LM-79:2019 Optical and Electrical Measurements of Solid-State Lighting Products – Chromaticity Uniformity Measurements ANSI C78.377-2017 Specifications for the Chromaticity of Solid State Lighting Products CIE 13.3-1995 Method of Measuring and Specifying Color Rendering Properties of Light Sources CIE 15-2018 Technical Report Colorimetry ANSI IES TM-30-18 IES Method for Evaluating Light Source Color Rendition IES TM-15-11 Luminaire Classification System for Outdoor Luminaires Addendum A for IES TM-15-11 Backlight, Uplight, and Glare (BUG) Ratings ANSI C82.77-10:2020 Harmonic Emission Limits – Related Power Quality Requirements for Lighting Equipment – Solid State

Test Methods:
<p>1. Photometric and Electrical Measurements – Light Distribution Method:</p> <p>Photometric parameters were measured using the goniophotometer and software. The ambient temperature shall be maintained at 25 °C ± 1°C, measured at a point not more than 1 m from the sample and at the same height as the sample. The sample was operated at required Voltage and Frequency. It was stabilized before measurement was made. Luminous Flux, Luminaire Efficacy and Zonal Lumen were calculated from the software taken at 1° vertical intervals and 15° horizontal intervals.</p>
<p>2. Photometric and Electrical Measurements – Integrating Sphere Method:</p> <p>Photometric parameters were measured using an integrating sphere, as spectroradiometer and software. The ambient temperature condition inside the sphere was measured at 25 °C± 1°C. The sample measurements were made using a spectroradiometer connected by a fiber optic cable and detector through the detector port of the integrating sphere. The sample was operated at require Voltage and Frequency. It was stabilized before measurement was made. Chromaticity Coordinates, Correlated Color Temperature and Color Rendering Index were calculated from the spectral radiant flux measurements taken at least 1 nm intervals over the range of 380 to 780 nm.</p>
<p>3. THD and PF Measurements:</p> <p>The sample was tested according to the ANSI C82.77, the sample was operated at requirement Voltage and Frequency, and was stabilized before measurement. The Total Harmonic Distortion was calculated from the Digital Power Meter.</p>

Integrating Sphere Test Results:

Test Condition:

Test Ambient (°C)	Test Humidity (%)	Orientation	Stabilization Time (minute)	Test Time (minute)
25.4	41.0	Face Down	90	10

Electrical Data:

CCT Setting	Voltage (V)	Frequency (Hz)	Current (A)	Wattage (W)	Power Factor
2700K@55D	120.0	60	0.2500	29.66	0.9885
3500K@55D	120.0	60	0.2426	28.78	0.9887
5000K@55D	120.0	60	0.2483	29.45	0.9885
2700K@15D	120.0	60	0.2554	30.34	0.9900
2700K@24D	120.0	60	0.2575	30.59	0.9901
2700K@36D	120.0	60	0.2595	30.88	0.9918
2700K@45D	120.0	60	0.2625	31.23	0.9913

Output Data:

CCT Setting	Luminous (lm)	Efficacy (lm/W)
2700K@55D	2950.0	99.46
3500K@55D	3124.1	108.55
5000K@55D	3003.9	102.00
2700K@15D	2664.5	87.82
2700K@24D	2740.3	89.58
2700K@36D	2834.5	91.79
2700K@45D	2916.6	93.39

Color Data:

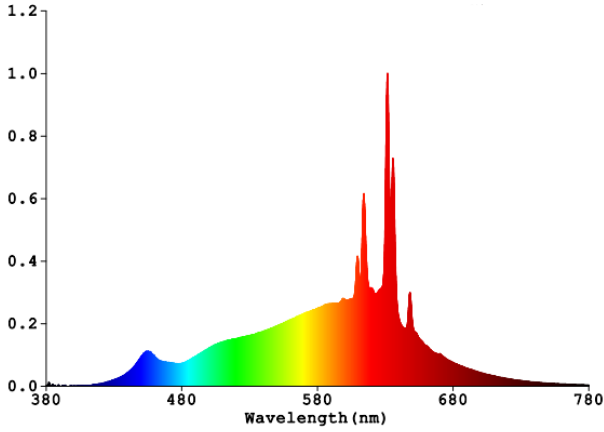
CCT Setting	Test CCT (K)	R _a	R ₉	R _f	R _g	R _{cs, h1}	SDCM	Chromaticity		
								(x, y)	(u', v')	Duv
2700K@55D	2673	95.7	67	93	98	-4%	4.4	(0.4620,0.4110)	(0.2637,0.5278)	-0.0001
3500K@55D	3457	96.5	80	92	99	-3%	3.2	(0.4054,0.3857)	(0.2378,0.5092)	-0.0022
5000K@55D	4959	91.4	58	91	98	-6%	1.4	(0.3472,0.3624)	(0.2087,0.4902)	0.0045
2700K@15D	2667	95.6	67	93	98	-4%	4.4	(0.4627,0.4114)	(0.2640,0.5281)	0.0001
2700K@24D	2677	95.6	67	93	98	-4%	4.1	(0.4620,0.4115)	(0.2635,0.5280)	0.0001
2700K@36D	2685	95.7	67	93	98	-4%	4.0	(0.4615,0.4115)	(0.2631,0.5279)	0.0002
2700K@45D	2688	95.7	67	93	98	-4%	3.9	(0.4612,0.4114)	(0.2630,0.5279)	0.0002

Specify Color Rendering:

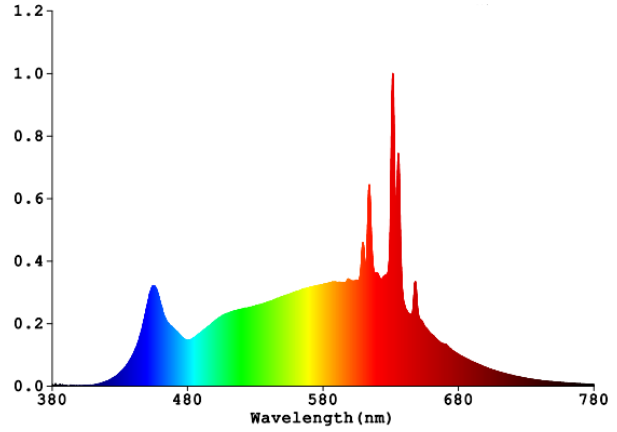
CCT Setting	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
2700K@55D	98	100	99	98	99	94	92	85	67	99	98	91	99	99	93
3500K@55D	99	99	99	98	98	95	94	91	80	99	99	83	99	99	97
5000K@55D	90	94	96	91	90	91	95	85	58	85	90	68	91	98	87
2700K@15D	98	100	99	98	98	95	92	85	67	99	98	91	99	99	93
2700K@24D	98	100	99	98	98	95	92	85	67	99	98	91	99	99	93
2700K@36D	98	100	99	98	98	95	92	85	67	98	98	91	99	99	93
2700K@45D	98	100	99	98	98	95	92	85	67	98	98	91	99	99	93

Spectrum Diagram:

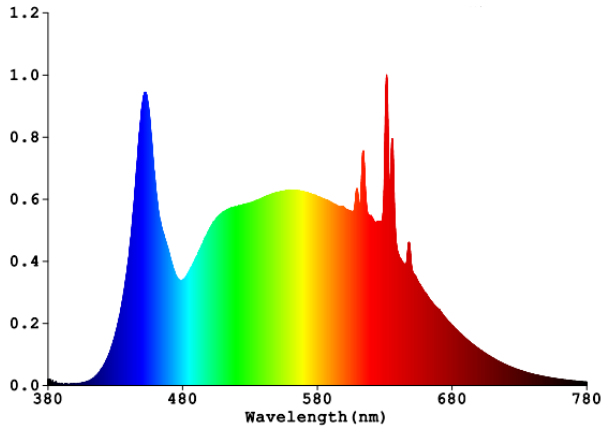
CCT Setting=2700K@55D



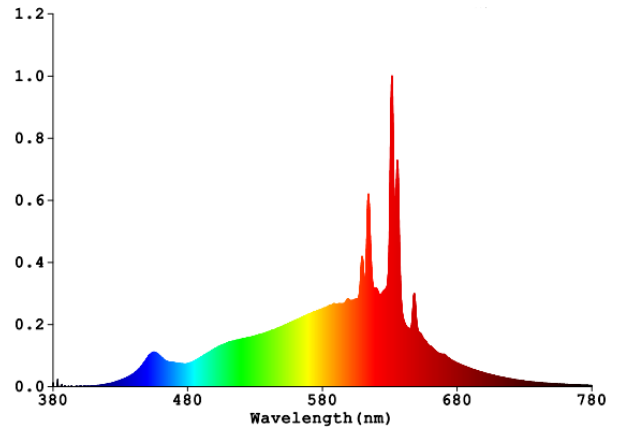
CCT Setting=3500K@55D



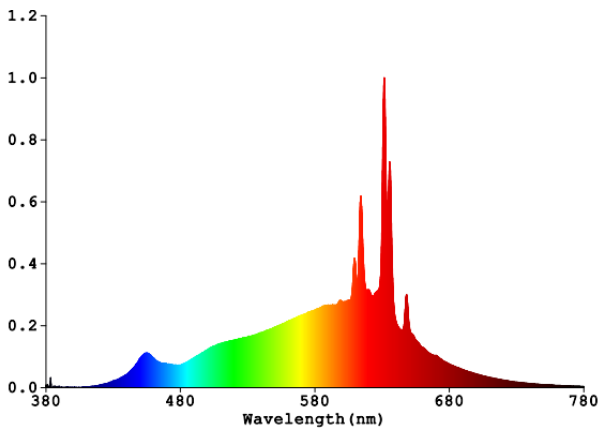
CCT Setting=5000K@55D



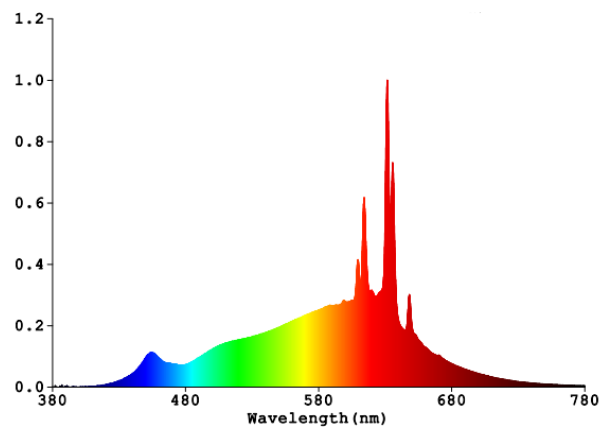
CCT Setting=2700K@15D



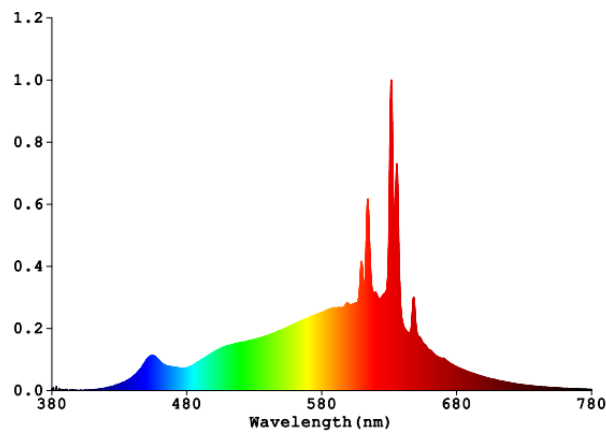
CCT Setting=2700K@24D



CCT Setting=2700K@36D



CCT Setting=2700K@45D

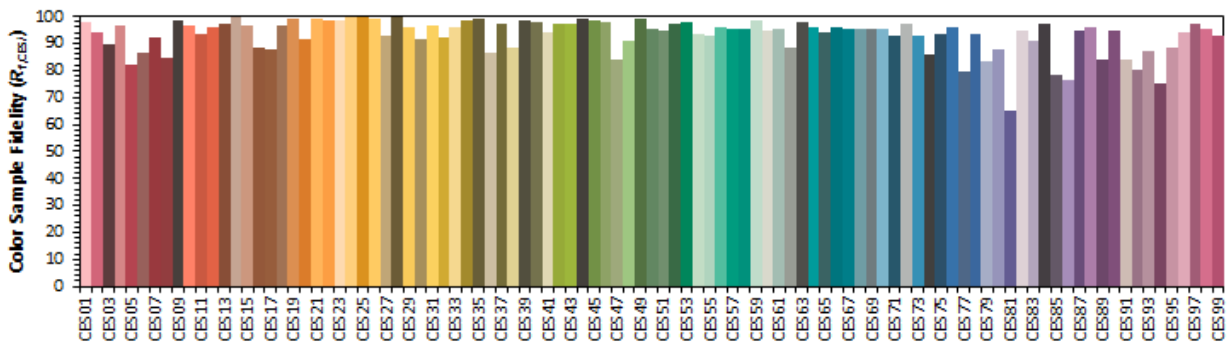
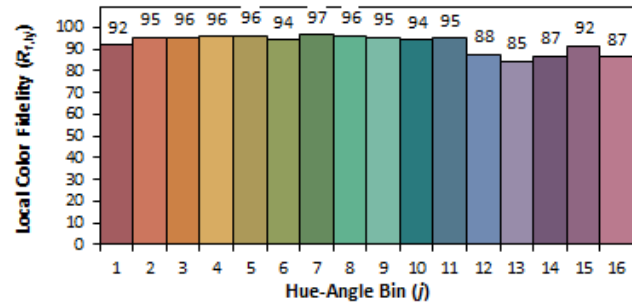
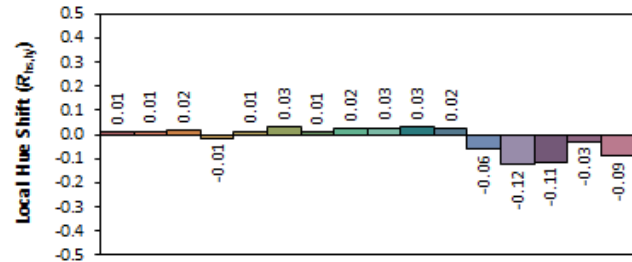
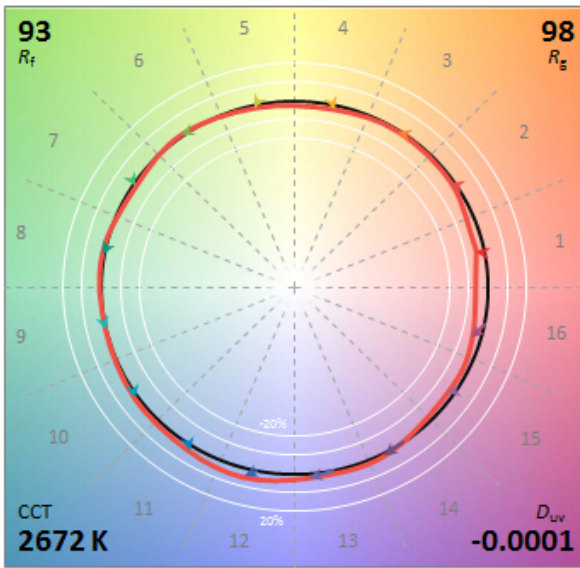
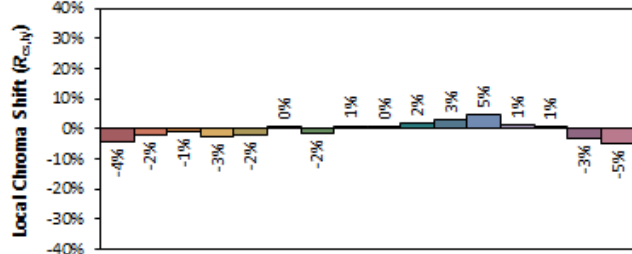
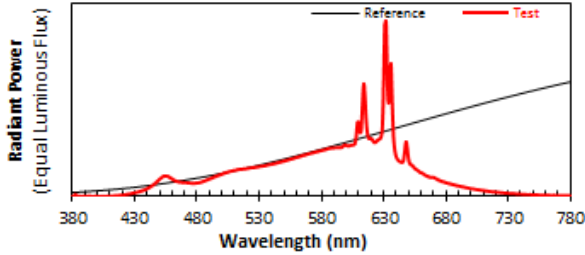


IES TM-30-18 Color Rendition Result (CCT Setting=2700K@55D):

ANSI/IES TM-30-18 Color Rendition Report

Source: BXRV-TR-2750G-20F6-A-23
Date: 2025/4/9

Manufacturer: RAB LIGHTING INC.
Model: TK22L[blank, B] (0%, 2700K@55D)



Notes: This is a recommended method for displaying ANSI/IES TM-30-18 information.

x **0.4621**
 y **0.4109**
 u' **0.2638**
 v' **0.5278**

CIE 13.3-1995 (CRI)	
R_a	96
R_g	68

Spectrum Data (CCT Setting=2700K@55D):

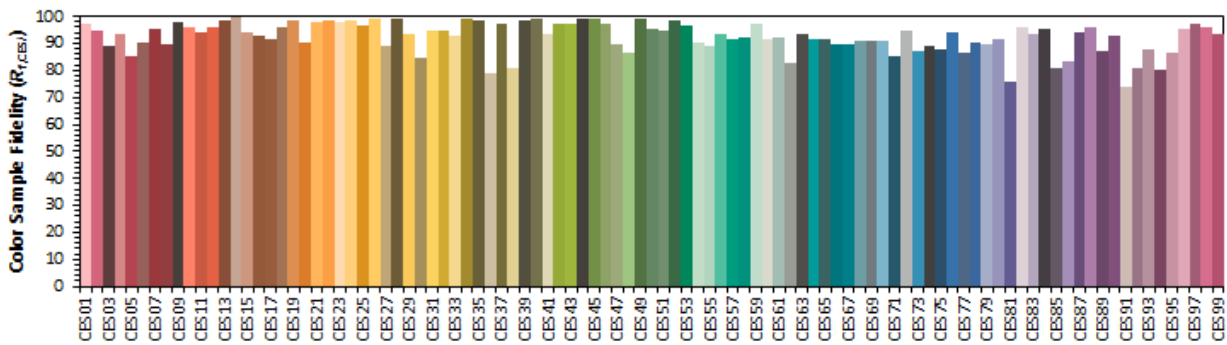
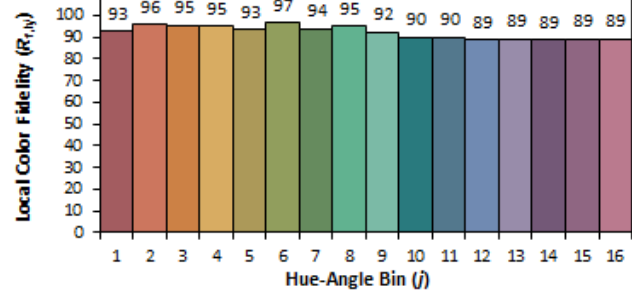
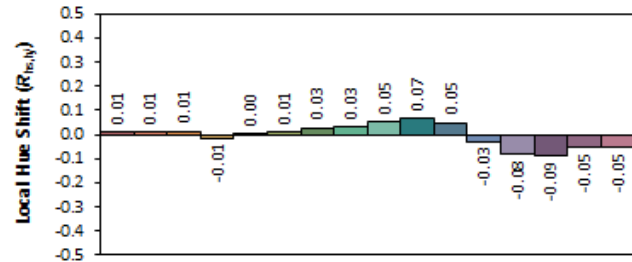
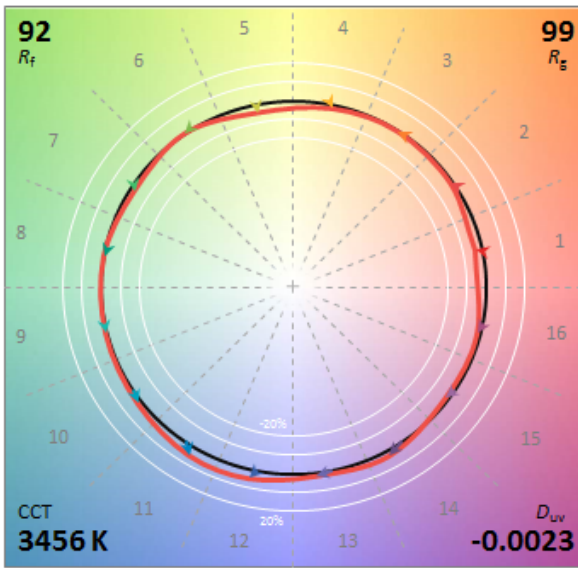
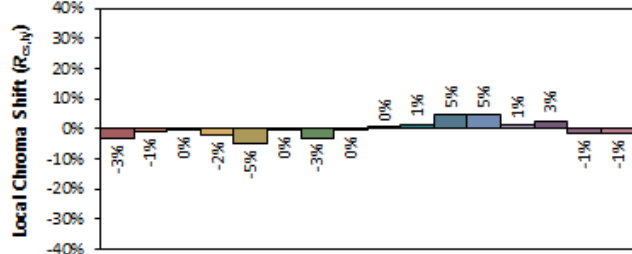
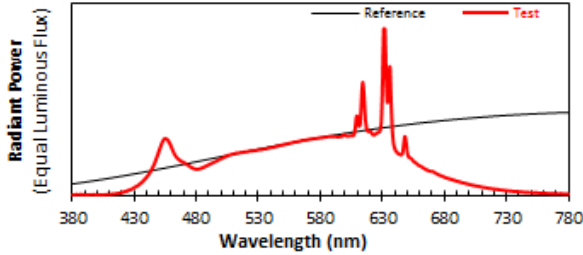
Spectral Distribution over Visible Wavelength											
WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)
380	2.40E-06	447	7.52E-05	514	1.47E-04	581	2.52E-04	648	2.98E-04	715	2.86E-05
381	8.00E-07	448	8.22E-05	515	1.48E-04	582	2.53E-04	649	2.66E-04	716	2.77E-05
382	1.33E-05	449	8.81E-05	516	1.49E-04	583	2.55E-04	650	2.07E-04	717	2.67E-05
383	4.00E-06	450	9.48E-05	517	1.50E-04	584	2.56E-04	651	1.79E-04	718	2.61E-05
384	0.00E+00	451	9.99E-05	518	1.51E-04	585	2.60E-04	652	1.73E-04	719	2.56E-05
385	4.70E-06	452	1.06E-04	519	1.51E-04	586	2.61E-04	653	1.70E-04	720	2.47E-05
386	1.60E-06	453	1.10E-04	520	1.52E-04	587	2.62E-04	654	1.61E-04	721	2.42E-05
387	0.00E+00	454	1.12E-04	521	1.53E-04	588	2.64E-04	655	1.53E-04	722	2.32E-05
388	0.00E+00	455	1.12E-04	522	1.55E-04	589	2.64E-04	656	1.48E-04	723	2.27E-05
389	4.40E-06	456	1.11E-04	523	1.56E-04	590	2.64E-04	657	1.44E-04	724	2.19E-05
390	2.00E-07	457	1.10E-04	524	1.57E-04	591	2.65E-04	658	1.39E-04	725	2.10E-05
391	0.00E+00	458	1.04E-04	525	1.58E-04	592	2.65E-04	659	1.32E-04	726	2.05E-05
392	2.90E-06	459	1.00E-04	526	1.58E-04	593	2.66E-04	660	1.30E-04	727	2.01E-05
393	2.40E-06	460	9.61E-05	527	1.60E-04	594	2.65E-04	661	1.28E-04	728	1.93E-05
394	3.80E-06	461	9.07E-05	528	1.60E-04	595	2.66E-04	662	1.23E-04	729	1.87E-05
395	8.00E-07	462	8.74E-05	529	1.62E-04	596	2.66E-04	663	1.18E-04	730	1.83E-05
396	0.00E+00	463	8.38E-05	530	1.63E-04	597	2.70E-04	664	1.14E-04	731	1.78E-05
397	3.00E-07	464	8.23E-05	531	1.64E-04	598	2.77E-04	665	1.12E-04	732	1.73E-05
398	2.30E-06	465	8.02E-05	532	1.65E-04	599	2.81E-04	666	1.08E-04	733	1.66E-05
399	2.30E-06	466	7.89E-05	533	1.66E-04	600	2.77E-04	667	1.06E-04	734	1.62E-05
400	0.00E+00	467	7.81E-05	534	1.67E-04	601	2.75E-04	668	1.04E-04	735	1.57E-05
401	1.50E-06	468	7.73E-05	535	1.68E-04	602	2.75E-04	669	1.03E-04	736	1.53E-05
402	2.10E-06	469	7.66E-05	536	1.70E-04	603	2.76E-04	670	1.04E-04	737	1.43E-05
403	1.70E-06	470	7.61E-05	537	1.72E-04	604	2.79E-04	671	1.02E-04	738	1.42E-05
404	1.50E-06	471	7.55E-05	538	1.73E-04	605	2.80E-04	672	9.79E-05	739	1.39E-05
405	2.40E-06	472	7.51E-05	539	1.74E-04	606	2.81E-04	673	9.44E-05	740	1.34E-05
406	1.60E-06	473	7.44E-05	540	1.75E-04	607	2.87E-04	674	9.05E-05	741	1.30E-05
407	1.50E-06	474	7.38E-05	541	1.78E-04	608	3.28E-04	675	8.80E-05	742	1.27E-05
408	1.60E-06	475	7.31E-05	542	1.79E-04	609	4.02E-04	676	8.48E-05	743	1.25E-05
409	2.50E-06	476	7.27E-05	543	1.81E-04	610	4.03E-04	677	8.25E-05	744	1.20E-05
410	1.70E-06	477	7.26E-05	544	1.82E-04	611	3.45E-04	678	8.03E-05	745	1.15E-05
411	3.30E-06	478	7.21E-05	545	1.84E-04	612	3.56E-04	679	7.81E-05	746	1.09E-05
412	3.00E-06	479	7.29E-05	546	1.86E-04	613	4.90E-04	680	7.61E-05	747	1.10E-05
413	2.90E-06	480	7.32E-05	547	1.87E-04	614	6.11E-04	681	7.39E-05	748	1.05E-05
414	5.20E-06	481	7.45E-05	548	1.89E-04	615	5.49E-04	682	7.23E-05	749	1.02E-05
415	5.60E-06	482	7.57E-05	549	1.91E-04	616	4.17E-04	683	7.04E-05	750	1.02E-05
416	5.90E-06	483	7.79E-05	550	1.93E-04	617	3.41E-04	684	6.83E-05	751	9.70E-06
417	6.20E-06	484	8.02E-05	551	1.95E-04	618	3.16E-04	685	6.66E-05	752	9.50E-06
418	7.10E-06	485	8.28E-05	552	1.97E-04	619	3.14E-04	686	6.51E-05	753	9.30E-06
419	7.90E-06	486	8.46E-05	553	1.99E-04	620	3.15E-04	687	6.34E-05	754	8.90E-06
420	8.60E-06	487	8.76E-05	554	2.00E-04	621	3.08E-04	688	6.18E-05	755	8.50E-06
421	9.30E-06	488	9.03E-05	555	2.03E-04	622	2.98E-04	689	5.95E-05	756	8.30E-06
422	1.03E-05	489	9.29E-05	556	2.04E-04	623	2.92E-04	690	5.83E-05	757	7.90E-06
423	1.17E-05	490	9.60E-05	557	2.06E-04	624	2.98E-04	691	5.68E-05	758	8.10E-06
424	1.22E-05	491	9.82E-05	558	2.08E-04	625	3.04E-04	692	5.51E-05	759	7.80E-06
425	1.41E-05	492	1.01E-04	559	2.11E-04	626	3.09E-04	693	5.38E-05	760	7.70E-06
426	1.48E-05	493	1.04E-04	560	2.12E-04	627	3.13E-04	694	5.27E-05	761	7.40E-06
427	1.62E-05	494	1.07E-04	561	2.14E-04	628	3.22E-04	695	5.10E-05	762	7.10E-06
428	1.81E-05	495	1.09E-04	562	2.16E-04	629	3.73E-04	696	4.95E-05	763	7.30E-06
429	2.01E-05	496	1.12E-04	563	2.18E-04	630	5.91E-04	697	4.84E-05	764	6.70E-06
430	2.04E-05	497	1.15E-04	564	2.20E-04	631	9.32E-04	698	4.68E-05	765	6.30E-06
431	2.21E-05	498	1.17E-04	565	2.23E-04	632	9.51E-04	699	4.53E-05	766	6.10E-06
432	2.47E-05	499	1.19E-04	566	2.24E-04	633	6.60E-04	700	4.39E-05	767	6.20E-06
433	2.60E-05	500	1.22E-04	567	2.26E-04	634	5.06E-04	701	4.32E-05	768	5.90E-06
434	2.81E-05	501	1.25E-04	568	2.29E-04	635	6.49E-04	702	4.17E-05	769	5.80E-06
435	2.98E-05	502	1.27E-04	569	2.30E-04	636	7.16E-04	703	4.05E-05	770	5.40E-06
436	3.20E-05	503	1.30E-04	570	2.33E-04	637	5.08E-04	704	3.93E-05	771	5.20E-06
437	3.46E-05	504	1.31E-04	571	2.34E-04	638	3.26E-04	705	3.83E-05	772	5.30E-06
438	3.69E-05	505	1.34E-04	572	2.35E-04	639	2.51E-04	706	3.75E-05	773	5.00E-06
439	4.03E-05	506	1.35E-04	573	2.37E-04	640	2.20E-04	707	3.63E-05	774	5.00E-06
440	4.39E-05	507	1.37E-04	574	2.39E-04	641	2.04E-04	708	3.48E-05	775	4.60E-06
441	4.70E-05	508	1.39E-04	575	2.41E-04	642	1.95E-04	709	3.43E-05	776	4.80E-06
442	5.04E-05	509	1.41E-04	576	2.43E-04	643	1.90E-04	710	3.33E-05	777	4.50E-06
443	5.49E-05	510	1.42E-04	577	2.45E-04	644	1.86E-04	711	3.25E-05	778	4.40E-06
444	5.93E-05	511	1.43E-04	578	2.46E-04	645	1.85E-04	712	3.11E-05	779	4.20E-06
445	6.47E-05	512	1.45E-04	579	2.48E-04	646	1.94E-04	713	3.02E-05	780	4.20E-06
446	7.02E-05	513	1.46E-04	580	2.49E-04	647	2.44E-04	714	2.93E-05	N/A	N/A

IES TM-30-18 Color Rendition Result (CCT Setting=3500K@55D):

ANSI/IES TM-30-18 Color Rendition Report

Source: BXRV-TR-2750G-20F6-A-23
Date: 2025/4/9

Manufacturer: RAB LIGHTING INC.
Model: TK22L[blank, B] (50%, 3500K@55D)



Notes: This is a recommended method for displaying ANSI/IES TM-30-18 information.

x **0.4054**
 y **0.3856**
 u' **0.2379**
 v' **0.5091**

CIE 13.3-1995 (CRI)	
R_a	97
R_g	81

Spectrum Data (CCT Setting=3500K@55D):

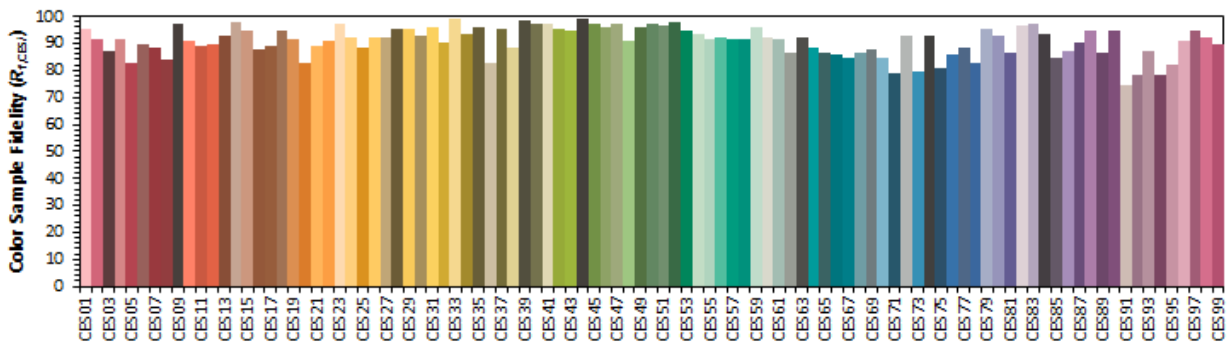
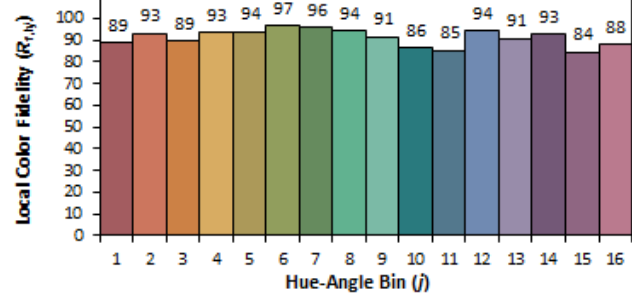
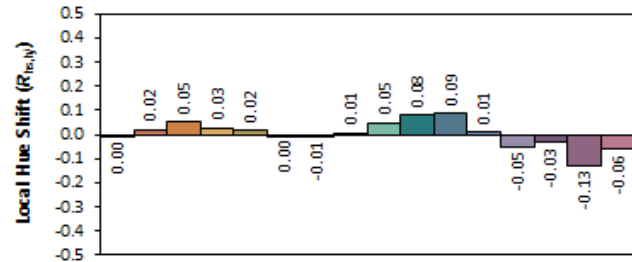
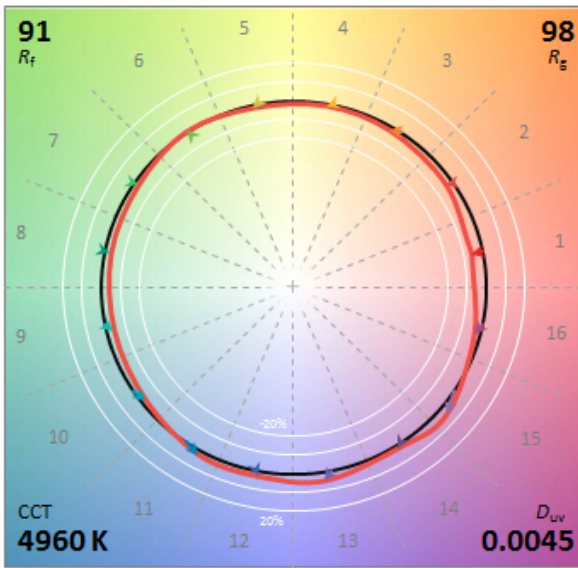
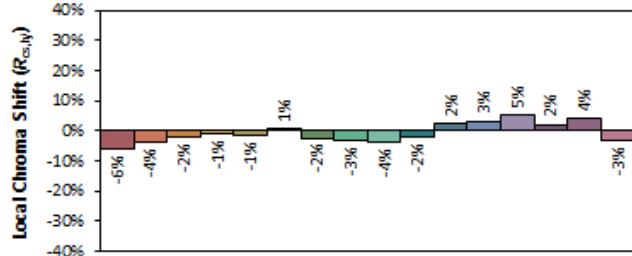
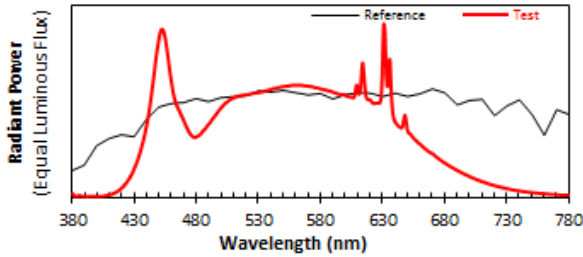
Spectral Distribution over Visible Wavelength											
WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)
380	0.00E+00	447	1.96E-04	514	2.39E-04	581	3.26E-04	648	3.33E-04	715	3.97E-05
381	0.00E+00	448	2.16E-04	515	2.41E-04	582	3.27E-04	649	3.01E-04	716	3.80E-05
382	0.00E+00	449	2.36E-04	516	2.41E-04	583	3.28E-04	650	2.43E-04	717	3.71E-05
383	3.70E-06	450	2.56E-04	517	2.43E-04	584	3.30E-04	651	2.18E-04	718	3.63E-05
384	2.40E-06	451	2.75E-04	518	2.45E-04	585	3.31E-04	652	2.13E-04	719	3.54E-05
385	2.30E-06	452	2.96E-04	519	2.44E-04	586	3.31E-04	653	2.09E-04	720	3.44E-05
386	3.40E-06	453	3.09E-04	520	2.46E-04	587	3.34E-04	654	2.01E-04	721	3.27E-05
387	1.10E-06	454	3.19E-04	521	2.47E-04	588	3.34E-04	655	1.92E-04	722	3.19E-05
388	3.20E-06	455	3.20E-04	522	2.49E-04	589	3.33E-04	656	1.87E-04	723	3.15E-05
389	1.80E-06	456	3.19E-04	523	2.50E-04	590	3.33E-04	657	1.82E-04	724	3.02E-05
390	1.40E-06	457	3.11E-04	524	2.50E-04	591	3.31E-04	658	1.76E-04	725	2.93E-05
391	1.20E-06	458	2.98E-04	525	2.51E-04	592	3.32E-04	659	1.70E-04	726	2.86E-05
392	1.40E-06	459	2.83E-04	526	2.52E-04	593	3.32E-04	660	1.66E-04	727	2.77E-05
393	8.00E-07	460	2.66E-04	527	2.53E-04	594	3.31E-04	661	1.63E-04	728	2.67E-05
394	1.90E-06	461	2.51E-04	528	2.54E-04	595	3.31E-04	662	1.59E-04	729	2.60E-05
395	2.80E-06	462	2.34E-04	529	2.56E-04	596	3.31E-04	663	1.54E-04	730	2.53E-05
396	2.10E-06	463	2.23E-04	530	2.57E-04	597	3.33E-04	664	1.49E-04	731	2.44E-05
397	1.80E-06	464	2.14E-04	531	2.58E-04	598	3.41E-04	665	1.45E-04	732	2.36E-05
398	2.20E-06	465	2.05E-04	532	2.58E-04	599	3.42E-04	666	1.42E-04	733	2.30E-05
399	1.00E-06	466	2.01E-04	533	2.60E-04	600	3.39E-04	667	1.39E-04	734	2.24E-05
400	2.40E-06	467	1.94E-04	534	2.61E-04	601	3.37E-04	668	1.36E-04	735	2.13E-05
401	1.70E-06	468	1.91E-04	535	2.62E-04	602	3.36E-04	669	1.35E-04	736	2.11E-05
402	1.50E-06	469	1.87E-04	536	2.63E-04	603	3.36E-04	670	1.35E-04	737	2.02E-05
403	2.00E-06	470	1.84E-04	537	2.65E-04	604	3.38E-04	671	1.33E-04	738	1.96E-05
404	2.00E-06	471	1.79E-04	538	2.67E-04	605	3.39E-04	672	1.28E-04	739	1.95E-05
405	1.10E-06	472	1.75E-04	539	2.69E-04	606	3.38E-04	673	1.23E-04	740	1.87E-05
406	1.80E-06	473	1.71E-04	540	2.70E-04	607	3.44E-04	674	1.20E-04	741	1.81E-05
407	2.90E-06	474	1.65E-04	541	2.71E-04	608	3.82E-04	675	1.17E-04	742	1.77E-05
408	3.50E-06	475	1.60E-04	542	2.72E-04	609	4.49E-04	676	1.13E-04	743	1.70E-05
409	3.10E-06	476	1.56E-04	543	2.74E-04	610	4.46E-04	677	1.11E-04	744	1.67E-05
410	3.40E-06	477	1.53E-04	544	2.77E-04	611	3.92E-04	678	1.07E-04	745	1.60E-05
411	4.00E-06	478	1.50E-04	545	2.77E-04	612	4.04E-04	679	1.05E-04	746	1.57E-05
412	5.70E-06	479	1.48E-04	546	2.80E-04	613	5.32E-04	680	1.02E-04	747	1.52E-05
413	6.30E-06	480	1.47E-04	547	2.81E-04	614	6.40E-04	681	9.85E-05	748	1.49E-05
414	7.20E-06	481	1.48E-04	548	2.83E-04	615	5.74E-04	682	9.68E-05	749	1.43E-05
415	8.30E-06	482	1.48E-04	549	2.84E-04	616	4.50E-04	683	9.44E-05	750	1.40E-05
416	8.90E-06	483	1.50E-04	550	2.86E-04	617	3.84E-04	684	9.21E-05	751	1.34E-05
417	1.08E-05	484	1.54E-04	551	2.88E-04	618	3.64E-04	685	8.98E-05	752	1.32E-05
418	1.19E-05	485	1.56E-04	552	2.89E-04	619	3.61E-04	686	8.76E-05	753	1.29E-05
419	1.30E-05	486	1.59E-04	553	2.91E-04	620	3.63E-04	687	8.61E-05	754	1.25E-05
420	1.60E-05	487	1.62E-04	554	2.92E-04	621	3.55E-04	688	8.36E-05	755	1.21E-05
421	1.69E-05	488	1.66E-04	555	2.94E-04	622	3.45E-04	689	8.08E-05	756	1.18E-05
422	1.89E-05	489	1.69E-04	556	2.96E-04	623	3.41E-04	690	7.91E-05	757	1.13E-05
423	2.15E-05	490	1.73E-04	557	2.97E-04	624	3.45E-04	691	7.70E-05	758	1.10E-05
424	2.33E-05	491	1.76E-04	558	2.99E-04	625	3.51E-04	692	7.52E-05	759	1.06E-05
425	2.68E-05	492	1.80E-04	559	3.01E-04	626	3.55E-04	693	7.28E-05	760	1.05E-05
426	2.86E-05	493	1.83E-04	560	3.02E-04	627	3.57E-04	694	7.09E-05	761	1.02E-05
427	3.17E-05	494	1.87E-04	561	3.03E-04	628	3.65E-04	695	6.96E-05	762	9.80E-06
428	3.46E-05	495	1.90E-04	562	3.04E-04	629	4.13E-04	696	6.78E-05	763	9.30E-06
429	3.92E-05	496	1.93E-04	563	3.06E-04	630	6.24E-04	697	6.61E-05	764	9.30E-06
430	4.35E-05	497	1.97E-04	564	3.07E-04	631	9.45E-04	698	6.36E-05	765	8.80E-06
431	4.74E-05	498	2.01E-04	565	3.11E-04	632	9.43E-04	699	6.17E-05	766	9.00E-06
432	5.08E-05	499	2.05E-04	566	3.11E-04	633	6.61E-04	700	6.06E-05	767	8.20E-06
433	5.56E-05	500	2.07E-04	567	3.12E-04	634	5.26E-04	701	5.83E-05	768	7.90E-06
434	6.17E-05	501	2.11E-04	568	3.13E-04	635	6.72E-04	702	5.73E-05	769	7.70E-06
435	6.73E-05	502	2.14E-04	569	3.13E-04	636	7.27E-04	703	5.55E-05	770	7.60E-06
436	7.31E-05	503	2.18E-04	570	3.15E-04	637	5.23E-04	704	5.42E-05	771	7.70E-06
437	7.98E-05	504	2.20E-04	571	3.17E-04	638	3.57E-04	705	5.22E-05	772	7.20E-06
438	8.86E-05	505	2.23E-04	572	3.18E-04	639	2.90E-04	706	5.11E-05	773	7.10E-06
439	9.53E-05	506	2.27E-04	573	3.18E-04	640	2.63E-04	707	4.98E-05	774	6.80E-06
440	1.04E-04	507	2.28E-04	574	3.20E-04	641	2.48E-04	708	4.85E-05	775	6.70E-06
441	1.14E-04	508	2.30E-04	575	3.21E-04	642	2.40E-04	709	4.71E-05	776	6.50E-06
442	1.23E-04	509	2.32E-04	576	3.22E-04	643	2.34E-04	710	4.57E-05	777	6.10E-06
443	1.35E-04	510	2.34E-04	577	3.22E-04	644	2.31E-04	711	4.43E-05	778	6.00E-06
444	1.48E-04	511	2.35E-04	578	3.23E-04	645	2.29E-04	712	4.29E-05	779	6.20E-06
445	1.62E-04	512	2.38E-04	579	3.25E-04	646	2.36E-04	713	4.21E-05	780	6.20E-06
446	1.78E-04	513	2.38E-04	580	3.25E-04	647	2.83E-04	714	4.06E-05	N/A	N/A

IES TM-30-18 Color Rendition Result (CCT Setting=5000K@55D):

ANSI/IES TM-30-18 Color Rendition Report

Source: BXRV-TR-2750G-20F6-A-23
Date: 2025/4/9

Manufacturer: RAB LIGHTING INC.
Model: TK22L[blank, B] (100%, 5000K@55D)



Notes: This is a recommended method for displaying ANSI/IES TM-30-18 information.

x **0.3472**
 y **0.3623**
 u' **0.2087**
 v' **0.4901**

CIE 13.3-1995 (CRI)	
R_a	91
R_g	58

Spectrum Data (CCT Setting=5000K@55D):

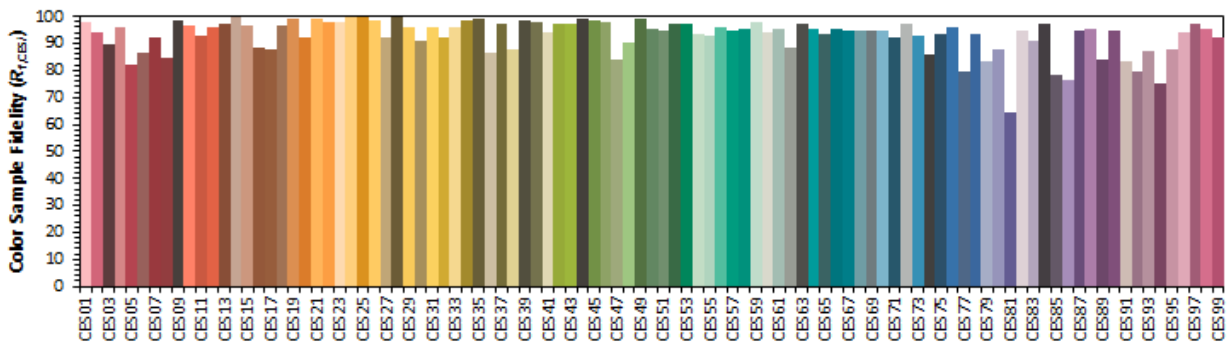
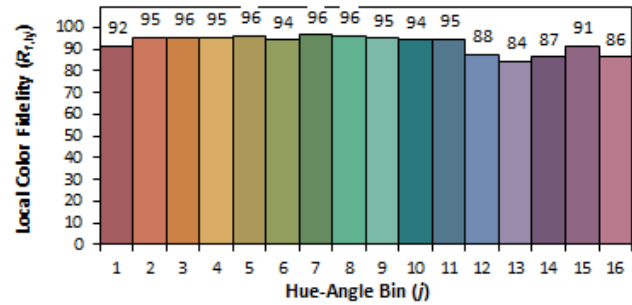
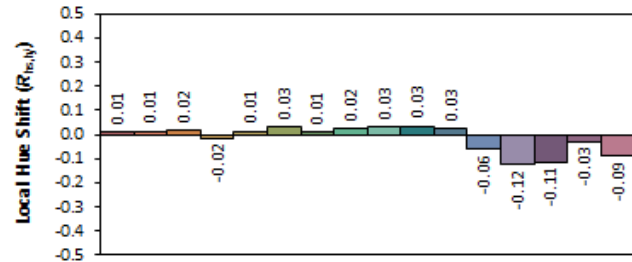
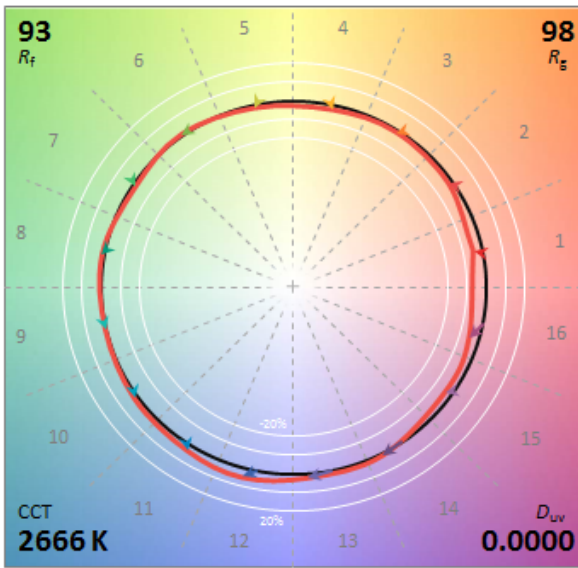
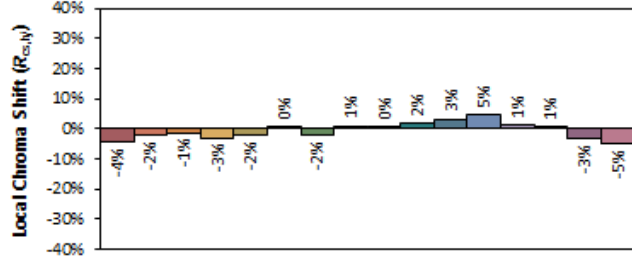
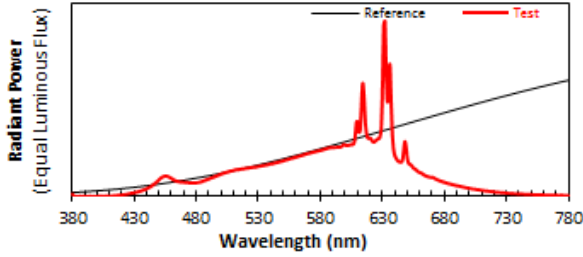
Spectral Distribution over Visible Wavelength											
WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)
380	2.07E-05	447	7.65E-04	514	5.68E-04	581	6.07E-04	648	4.61E-04	715	7.69E-05
381	1.22E-05	448	8.18E-04	515	5.68E-04	582	6.06E-04	649	4.28E-04	716	7.46E-05
382	3.60E-06	449	8.63E-04	516	5.73E-04	583	6.03E-04	650	3.81E-04	717	7.30E-05
383	4.60E-06	450	9.03E-04	517	5.71E-04	584	6.01E-04	651	3.62E-04	718	7.06E-05
384	4.20E-06	451	9.32E-04	518	5.73E-04	585	6.01E-04	652	3.57E-04	719	6.86E-05
385	1.04E-05	452	9.43E-04	519	5.76E-04	586	5.97E-04	653	3.51E-04	720	6.68E-05
386	1.14E-05	453	9.37E-04	520	5.75E-04	587	5.98E-04	654	3.41E-04	721	6.45E-05
387	5.20E-06	454	9.14E-04	521	5.75E-04	588	5.95E-04	655	3.32E-04	722	6.27E-05
388	6.20E-06	455	8.81E-04	522	5.77E-04	589	5.93E-04	656	3.26E-04	723	6.13E-05
389	4.30E-06	456	8.34E-04	523	5.79E-04	590	5.89E-04	657	3.19E-04	724	5.89E-05
390	6.00E-06	457	7.83E-04	524	5.80E-04	591	5.88E-04	658	3.12E-04	725	5.79E-05
391	4.30E-06	458	7.28E-04	525	5.82E-04	592	5.85E-04	659	3.04E-04	726	5.58E-05
392	1.30E-06	459	6.79E-04	526	5.82E-04	593	5.83E-04	660	3.00E-04	727	5.37E-05
393	5.60E-06	460	6.33E-04	527	5.84E-04	594	5.80E-04	661	2.94E-04	728	5.25E-05
394	6.00E-06	461	5.94E-04	528	5.85E-04	595	5.78E-04	662	2.87E-04	729	5.09E-05
395	4.00E-06	462	5.60E-04	529	5.86E-04	596	5.77E-04	663	2.81E-04	730	4.90E-05
396	3.80E-06	463	5.36E-04	530	5.87E-04	597	5.75E-04	664	2.74E-04	731	4.82E-05
397	6.10E-06	464	5.15E-04	531	5.88E-04	598	5.77E-04	665	2.69E-04	732	4.64E-05
398	5.30E-06	465	4.99E-04	532	5.91E-04	599	5.76E-04	666	2.63E-04	733	4.50E-05
399	5.60E-06	466	4.85E-04	533	5.91E-04	600	5.70E-04	667	2.58E-04	734	4.35E-05
400	5.00E-06	467	4.71E-04	534	5.94E-04	601	5.69E-04	668	2.53E-04	735	4.22E-05
401	5.30E-06	468	4.55E-04	535	5.95E-04	602	5.66E-04	669	2.50E-04	736	4.09E-05
402	5.30E-06	469	4.42E-04	536	5.97E-04	603	5.64E-04	670	2.46E-04	737	3.98E-05
403	5.30E-06	470	4.24E-04	537	5.99E-04	604	5.63E-04	671	2.42E-04	738	3.88E-05
404	6.30E-06	471	4.08E-04	538	6.00E-04	605	5.61E-04	672	2.35E-04	739	3.74E-05
405	7.00E-06	472	3.93E-04	539	6.04E-04	606	5.59E-04	673	2.29E-04	740	3.62E-05
406	8.50E-06	473	3.78E-04	540	6.04E-04	607	5.61E-04	674	2.24E-04	741	3.56E-05
407	9.90E-06	474	3.64E-04	541	6.08E-04	608	5.87E-04	675	2.18E-04	742	3.43E-05
408	1.12E-05	475	3.54E-04	542	6.08E-04	609	6.30E-04	676	2.13E-04	743	3.35E-05
409	1.27E-05	476	3.46E-04	543	6.11E-04	610	6.18E-04	677	2.08E-04	744	3.20E-05
410	1.50E-05	477	3.41E-04	544	6.13E-04	611	5.78E-04	678	2.03E-04	745	3.15E-05
411	1.55E-05	478	3.35E-04	545	6.14E-04	612	5.94E-04	679	1.98E-04	746	3.08E-05
412	1.91E-05	479	3.36E-04	546	6.16E-04	613	6.87E-04	680	1.94E-04	747	2.96E-05
413	2.18E-05	480	3.40E-04	547	6.16E-04	614	7.54E-04	681	1.90E-04	748	2.87E-05
414	2.38E-05	481	3.43E-04	548	6.19E-04	615	6.89E-04	682	1.84E-04	749	2.78E-05
415	2.87E-05	482	3.47E-04	549	6.20E-04	616	6.01E-04	683	1.81E-04	750	2.72E-05
416	3.24E-05	483	3.53E-04	550	6.22E-04	617	5.60E-04	684	1.76E-04	751	2.64E-05
417	3.73E-05	484	3.60E-04	551	6.21E-04	618	5.50E-04	685	1.72E-04	752	2.54E-05
418	4.20E-05	485	3.70E-04	552	6.23E-04	619	5.47E-04	686	1.68E-04	753	2.49E-05
419	4.85E-05	486	3.78E-04	553	6.25E-04	620	5.47E-04	687	1.64E-04	754	2.42E-05
420	5.49E-05	487	3.85E-04	554	6.23E-04	621	5.38E-04	688	1.59E-04	755	2.35E-05
421	6.13E-05	488	3.94E-04	555	6.26E-04	622	5.30E-04	689	1.56E-04	756	2.27E-05
422	7.07E-05	489	4.04E-04	556	6.27E-04	623	5.25E-04	690	1.52E-04	757	2.23E-05
423	7.83E-05	490	4.12E-04	557	6.29E-04	624	5.27E-04	691	1.48E-04	758	2.15E-05
424	8.69E-05	491	4.20E-04	558	6.29E-04	625	5.29E-04	692	1.45E-04	759	2.04E-05
425	9.81E-05	492	4.31E-04	559	6.30E-04	626	5.28E-04	693	1.41E-04	760	2.01E-05
426	1.08E-04	493	4.40E-04	560	6.28E-04	627	5.28E-04	694	1.38E-04	761	1.94E-05
427	1.22E-04	494	4.49E-04	561	6.28E-04	628	5.30E-04	695	1.34E-04	762	1.94E-05
428	1.34E-04	495	4.58E-04	562	6.29E-04	629	5.67E-04	696	1.31E-04	763	1.84E-05
429	1.49E-04	496	4.68E-04	563	6.29E-04	630	7.34E-04	697	1.27E-04	764	1.80E-05
430	1.65E-04	497	4.78E-04	564	6.28E-04	631	9.70E-04	698	1.24E-04	765	1.74E-05
431	1.82E-04	498	4.85E-04	565	6.29E-04	632	9.25E-04	699	1.20E-04	766	1.69E-05
432	2.00E-04	499	4.96E-04	566	6.26E-04	633	7.00E-04	700	1.17E-04	767	1.63E-05
433	2.20E-04	500	5.04E-04	567	6.26E-04	634	6.20E-04	701	1.14E-04	768	1.59E-05
434	2.41E-04	501	5.11E-04	568	6.25E-04	635	7.49E-04	702	1.12E-04	769	1.54E-05
435	2.65E-04	502	5.19E-04	569	6.25E-04	636	7.72E-04	703	1.08E-04	770	1.49E-05
436	2.91E-04	503	5.28E-04	570	6.24E-04	637	6.04E-04	704	1.06E-04	771	1.45E-05
437	3.16E-04	504	5.31E-04	571	6.22E-04	638	4.88E-04	705	1.02E-04	772	1.41E-05
438	3.48E-04	505	5.37E-04	572	6.21E-04	639	4.44E-04	706	9.96E-05	773	1.35E-05
439	3.79E-04	506	5.43E-04	573	6.21E-04	640	4.26E-04	707	9.67E-05	774	1.28E-05
440	4.13E-04	507	5.47E-04	574	6.18E-04	641	4.13E-04	708	9.45E-05	775	1.26E-05
441	4.54E-04	508	5.51E-04	575	6.17E-04	642	4.06E-04	709	9.14E-05	776	1.26E-05
442	4.93E-04	509	5.54E-04	576	6.15E-04	643	3.99E-04	710	8.86E-05	777	1.20E-05
443	5.44E-04	510	5.59E-04	577	6.14E-04	644	3.94E-04	711	8.69E-05	778	1.19E-05
444	5.95E-04	511	5.61E-04	578	6.13E-04	645	3.89E-04	712	8.44E-05	779	1.17E-05
445	6.48E-04	512	5.63E-04	579	6.11E-04	646	3.92E-04	713	8.19E-05	780	1.17E-05
446	7.07E-04	513	5.65E-04	580	6.08E-04	647	4.29E-04	714	7.99E-05	N/A	N/A

IES TM-30-18 Color Rendition Result (CCT Setting=2700K@15D):

ANSI/IES TM-30-18 Color Rendition Report

Source: BXRV-TR-2750G-20F6-A-23
Date: 2025/4/9

Manufacturer: RAB LIGHTING INC.
Model: TK22L[blank, B] (0%, 2700K@15D)



Notes: This is a recommended method for displaying ANSI/IES TM-30-18 information.

x **0.4628**
 y **0.4113**
 u' **0.2640**
 v' **0.5281**

CIE 13.3-1995 (CRI)	
R_a	96
R_g	67

Spectrum Data (CCT Setting=2700K@15D):

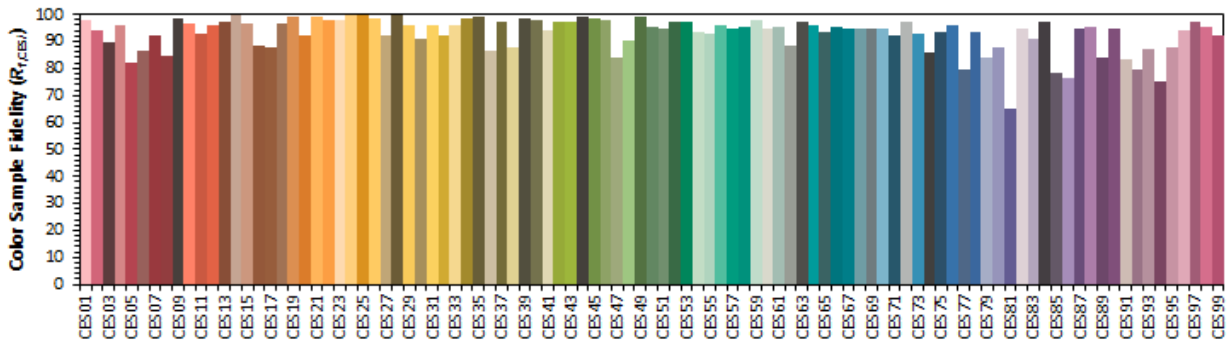
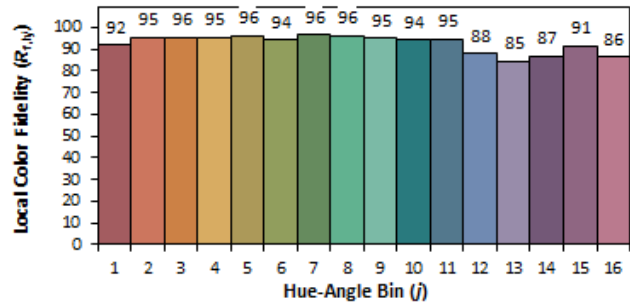
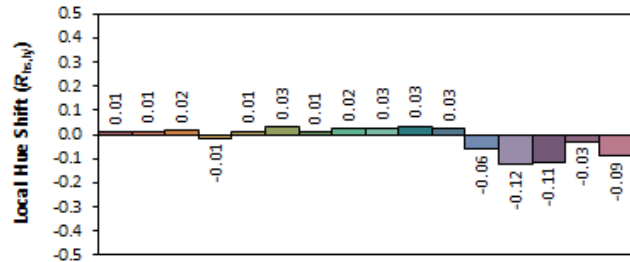
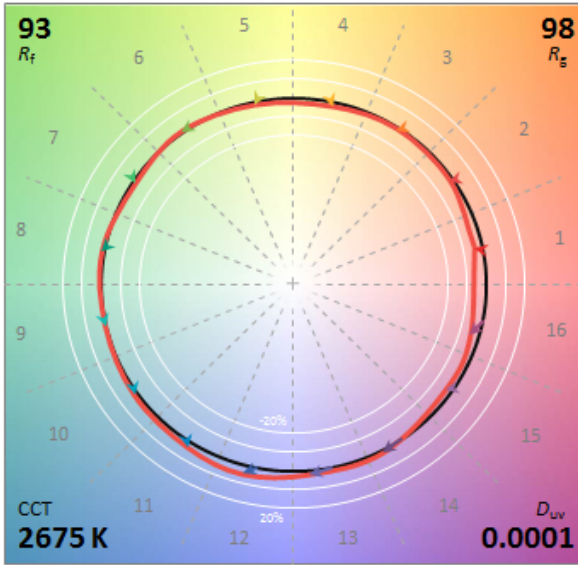
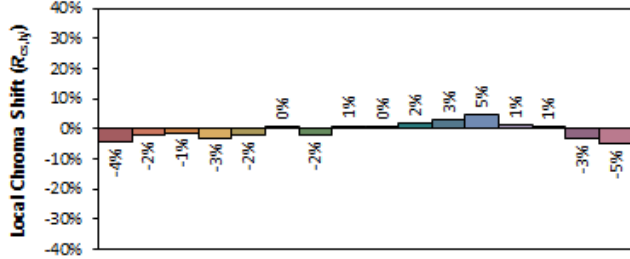
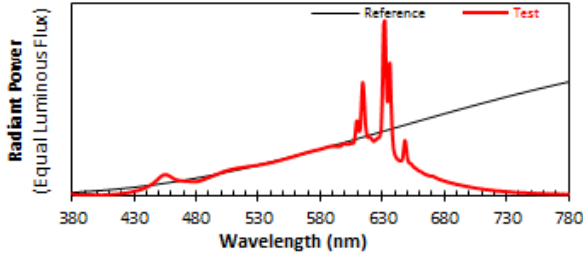
Spectral Distribution over Visible Wavelength											
WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)
380	1.29E-05	447	7.34E-05	514	1.46E-04	581	2.52E-04	648	2.99E-04	715	2.87E-05
381	0.00E+00	448	7.99E-05	515	1.48E-04	582	2.54E-04	649	2.67E-04	716	2.81E-05
382	0.00E+00	449	8.61E-05	516	1.49E-04	583	2.56E-04	650	2.08E-04	717	2.70E-05
383	0.00E+00	450	9.28E-05	517	1.50E-04	584	2.57E-04	651	1.81E-04	718	2.61E-05
384	0.00E+00	451	9.95E-05	518	1.51E-04	585	2.61E-04	652	1.75E-04	719	2.58E-05
385	0.00E+00	452	1.04E-04	519	1.52E-04	586	2.63E-04	653	1.71E-04	720	2.47E-05
386	1.50E-06	453	1.07E-04	520	1.53E-04	587	2.63E-04	654	1.63E-04	721	2.35E-05
387	0.00E+00	454	1.10E-04	521	1.55E-04	588	2.66E-04	655	1.54E-04	722	2.32E-05
388	0.00E+00	455	1.11E-04	522	1.55E-04	589	2.67E-04	656	1.50E-04	723	2.26E-05
389	1.50E-06	456	1.10E-04	523	1.56E-04	590	2.66E-04	657	1.46E-04	724	2.18E-05
390	0.00E+00	457	1.07E-04	524	1.57E-04	591	2.66E-04	658	1.38E-04	725	2.13E-05
391	0.00E+00	458	1.05E-04	525	1.58E-04	592	2.67E-04	659	1.33E-04	726	2.05E-05
392	0.00E+00	459	1.01E-04	526	1.59E-04	593	2.67E-04	660	1.30E-04	727	1.98E-05
393	0.00E+00	460	9.71E-05	527	1.59E-04	594	2.67E-04	661	1.28E-04	728	1.94E-05
394	1.80E-06	461	9.19E-05	528	1.61E-04	595	2.67E-04	662	1.24E-04	729	1.88E-05
395	0.00E+00	462	8.86E-05	529	1.62E-04	596	2.68E-04	663	1.19E-04	730	1.79E-05
396	4.00E-07	463	8.48E-05	530	1.63E-04	597	2.72E-04	664	1.15E-04	731	1.75E-05
397	1.20E-06	464	8.31E-05	531	1.64E-04	598	2.78E-04	665	1.12E-04	732	1.67E-05
398	0.00E+00	465	8.11E-05	532	1.65E-04	599	2.83E-04	666	1.09E-04	733	1.65E-05
399	0.00E+00	466	7.96E-05	533	1.68E-04	600	2.80E-04	667	1.07E-04	734	1.63E-05
400	6.00E-07	467	7.82E-05	534	1.68E-04	601	2.77E-04	668	1.05E-04	735	1.57E-05
401	1.70E-06	468	7.86E-05	535	1.70E-04	602	2.78E-04	669	1.04E-04	736	1.52E-05
402	1.00E-07	469	7.72E-05	536	1.70E-04	603	2.78E-04	670	1.05E-04	737	1.46E-05
403	2.30E-06	470	7.67E-05	537	1.72E-04	604	2.81E-04	671	1.03E-04	738	1.42E-05
404	1.10E-06	471	7.65E-05	538	1.73E-04	605	2.82E-04	672	9.84E-05	739	1.39E-05
405	7.00E-07	472	7.61E-05	539	1.76E-04	606	2.83E-04	673	9.42E-05	740	1.36E-05
406	1.50E-06	473	7.50E-05	540	1.77E-04	607	2.90E-04	674	9.16E-05	741	1.27E-05
407	1.40E-06	474	7.41E-05	541	1.78E-04	608	3.31E-04	675	8.84E-05	742	1.26E-05
408	1.90E-06	475	7.35E-05	542	1.80E-04	609	4.06E-04	676	8.54E-05	743	1.25E-05
409	2.00E-06	476	7.31E-05	543	1.81E-04	610	4.05E-04	677	8.32E-05	744	1.18E-05
410	1.90E-06	477	7.30E-05	544	1.83E-04	611	3.48E-04	678	8.11E-05	745	1.15E-05
411	2.90E-06	478	7.28E-05	545	1.85E-04	612	3.59E-04	679	7.85E-05	746	1.11E-05
412	2.50E-06	479	7.31E-05	546	1.87E-04	613	4.92E-04	680	7.64E-05	747	1.09E-05
413	4.00E-06	480	7.44E-05	547	1.88E-04	614	6.15E-04	681	7.47E-05	748	1.05E-05
414	3.90E-06	481	7.49E-05	548	1.90E-04	615	5.54E-04	682	7.23E-05	749	1.04E-05
415	5.00E-06	482	7.68E-05	549	1.92E-04	616	4.22E-04	683	7.00E-05	750	1.01E-05
416	5.40E-06	483	7.80E-05	550	1.94E-04	617	3.46E-04	684	6.88E-05	751	1.00E-05
417	6.10E-06	484	8.03E-05	551	1.97E-04	618	3.19E-04	685	6.68E-05	752	9.40E-06
418	6.70E-06	485	8.25E-05	552	1.98E-04	619	3.16E-04	686	6.54E-05	753	9.30E-06
419	7.50E-06	486	8.54E-05	553	1.99E-04	620	3.18E-04	687	6.34E-05	754	9.10E-06
420	8.30E-06	487	8.76E-05	554	2.02E-04	621	3.09E-04	688	6.17E-05	755	8.70E-06
421	9.30E-06	488	9.03E-05	555	2.04E-04	622	2.99E-04	689	6.03E-05	756	8.30E-06
422	1.05E-05	489	9.29E-05	556	2.06E-04	623	2.94E-04	690	5.86E-05	757	8.50E-06
423	1.09E-05	490	9.54E-05	557	2.08E-04	624	2.99E-04	691	5.69E-05	758	8.00E-06
424	1.23E-05	491	9.82E-05	558	2.10E-04	625	3.06E-04	692	5.59E-05	759	8.20E-06
425	1.36E-05	492	1.01E-04	559	2.11E-04	626	3.11E-04	693	5.42E-05	760	7.70E-06
426	1.50E-05	493	1.04E-04	560	2.14E-04	627	3.15E-04	694	5.24E-05	761	7.20E-06
427	1.72E-05	494	1.06E-04	561	2.16E-04	628	3.24E-04	695	5.15E-05	762	7.20E-06
428	1.79E-05	495	1.09E-04	562	2.17E-04	629	3.76E-04	696	4.99E-05	763	7.00E-06
429	1.89E-05	496	1.11E-04	563	2.19E-04	630	5.89E-04	697	4.86E-05	764	6.70E-06
430	2.06E-05	497	1.14E-04	564	2.22E-04	631	9.30E-04	698	4.70E-05	765	6.40E-06
431	2.23E-05	498	1.17E-04	565	2.23E-04	632	9.53E-04	699	4.61E-05	766	6.40E-06
432	2.37E-05	499	1.19E-04	566	2.25E-04	633	6.68E-04	700	4.42E-05	767	6.00E-06
433	2.60E-05	500	1.22E-04	567	2.28E-04	634	5.13E-04	701	4.26E-05	768	6.30E-06
434	2.75E-05	501	1.24E-04	568	2.30E-04	635	6.50E-04	702	4.21E-05	769	5.70E-06
435	2.96E-05	502	1.26E-04	569	2.32E-04	636	7.16E-04	703	4.06E-05	770	5.90E-06
436	3.20E-05	503	1.30E-04	570	2.34E-04	637	5.12E-04	704	3.99E-05	771	5.50E-06
437	3.42E-05	504	1.31E-04	571	2.35E-04	638	3.30E-04	705	3.88E-05	772	5.20E-06
438	3.73E-05	505	1.33E-04	572	2.37E-04	639	2.53E-04	706	3.77E-05	773	5.20E-06
439	3.97E-05	506	1.34E-04	573	2.39E-04	640	2.21E-04	707	3.65E-05	774	5.10E-06
440	4.26E-05	507	1.38E-04	574	2.41E-04	641	2.06E-04	708	3.57E-05	775	4.80E-06
441	4.65E-05	508	1.38E-04	575	2.42E-04	642	1.97E-04	709	3.42E-05	776	4.90E-06
442	4.95E-05	509	1.40E-04	576	2.44E-04	643	1.90E-04	710	3.36E-05	777	4.50E-06
443	5.32E-05	510	1.42E-04	577	2.46E-04	644	1.88E-04	711	3.26E-05	778	4.40E-06
444	5.77E-05	511	1.44E-04	578	2.47E-04	645	1.86E-04	712	3.12E-05	779	4.40E-06
445	6.34E-05	512	1.44E-04	579	2.49E-04	646	1.95E-04	713	3.08E-05	780	4.40E-06
446	6.80E-05	513	1.46E-04	580	2.50E-04	647	2.44E-04	714	3.00E-05	N/A	N/A

IES TM-30-18 Color Rendition Result (CCT Setting=2700K@24D):

ANSI/IES TM-30-18 Color Rendition Report

Source: BXRV-TR-2750G-20F6-A-23
Date: 2025/4/9

Manufacturer: RAB LIGHTING INC.
Model: TK22L[blank, B] (0%, 2700K@24D)



Notes: This is a recommended method for displaying ANSI/IES TM-30-18 information.

x 0.4621
 y 0.4114
 u' 0.2636
 v' 0.5280

CIE 13.3-1995 (CRI)	
R_a	96
R_g	67

Spectrum Data (CCT Setting=2700K@24D):

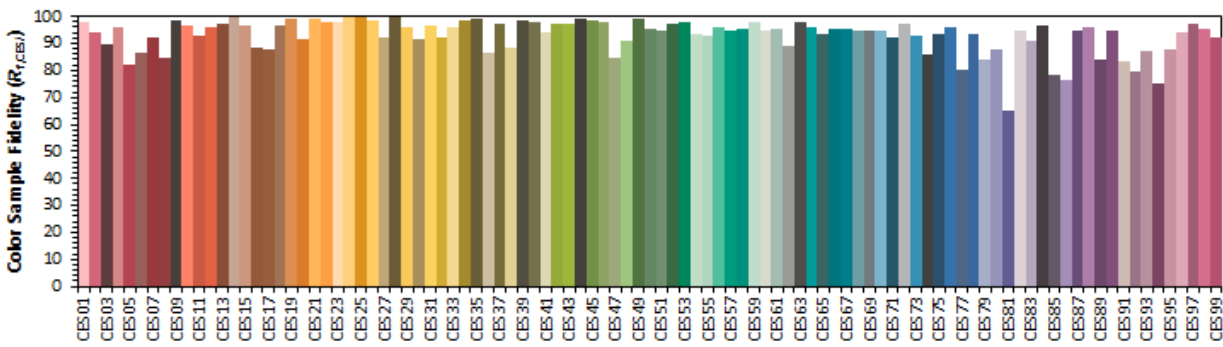
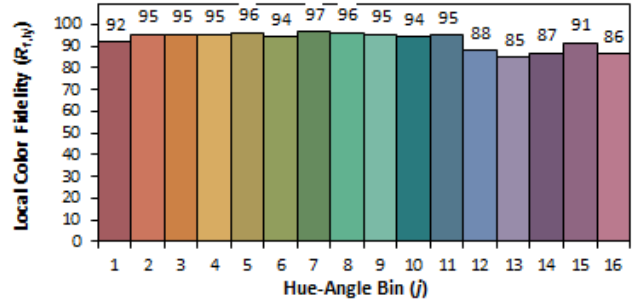
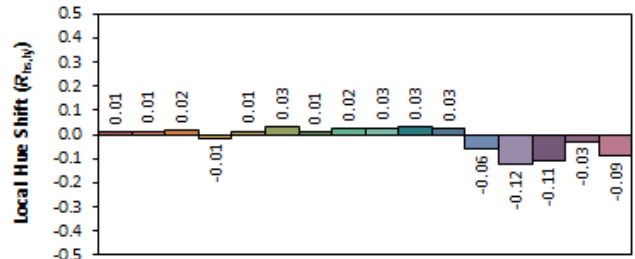
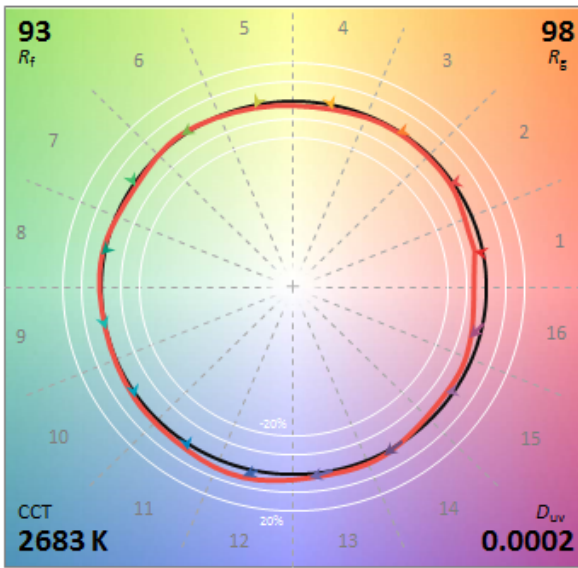
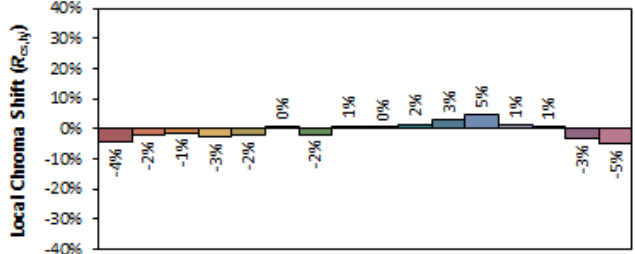
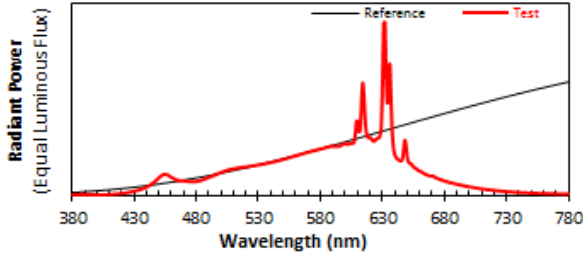
Spectral Distribution over Visible Wavelength											
WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)
380	8.90E-06	447	7.58E-05	514	1.47E-04	581	2.52E-04	648	2.99E-04	715	2.90E-05
381	3.80E-06	448	8.06E-05	515	1.48E-04	582	2.54E-04	649	2.66E-04	716	2.80E-05
382	1.80E-06	449	8.77E-05	516	1.50E-04	583	2.56E-04	650	2.07E-04	717	2.69E-05
383	0.00E+00	450	9.42E-05	517	1.51E-04	584	2.59E-04	651	1.80E-04	718	2.66E-05
384	1.70E-06	451	1.00E-04	518	1.52E-04	585	2.61E-04	652	1.75E-04	719	2.54E-05
385	0.00E+00	452	1.05E-04	519	1.53E-04	586	2.63E-04	653	1.71E-04	720	2.47E-05
386	2.90E-06	453	1.09E-04	520	1.54E-04	587	2.64E-04	654	1.62E-04	721	2.40E-05
387	1.60E-06	454	1.11E-04	521	1.55E-04	588	2.65E-04	655	1.55E-04	722	2.29E-05
388	2.10E-06	455	1.12E-04	522	1.56E-04	589	2.66E-04	656	1.49E-04	723	2.20E-05
389	0.00E+00	456	1.11E-04	523	1.56E-04	590	2.66E-04	657	1.45E-04	724	2.18E-05
390	1.00E-07	457	1.08E-04	524	1.58E-04	591	2.67E-04	658	1.39E-04	725	2.10E-05
391	1.10E-06	458	1.04E-04	525	1.59E-04	592	2.67E-04	659	1.33E-04	726	2.07E-05
392	2.00E-06	459	1.00E-04	526	1.60E-04	593	2.68E-04	660	1.31E-04	727	1.97E-05
393	0.00E+00	460	9.61E-05	527	1.61E-04	594	2.67E-04	661	1.28E-04	728	1.95E-05
394	0.00E+00	461	9.16E-05	528	1.61E-04	595	2.67E-04	662	1.24E-04	729	1.86E-05
395	1.00E-06	462	8.76E-05	529	1.62E-04	596	2.67E-04	663	1.19E-04	730	1.82E-05
396	2.50E-06	463	8.48E-05	530	1.63E-04	597	2.71E-04	664	1.15E-04	731	1.73E-05
397	0.00E+00	464	8.27E-05	531	1.65E-04	598	2.79E-04	665	1.12E-04	732	1.72E-05
398	7.00E-07	465	8.06E-05	532	1.66E-04	599	2.82E-04	666	1.09E-04	733	1.65E-05
399	0.00E+00	466	7.94E-05	533	1.67E-04	600	2.79E-04	667	1.07E-04	734	1.60E-05
400	9.00E-07	467	7.88E-05	534	1.68E-04	601	2.77E-04	668	1.05E-04	735	1.57E-05
401	1.40E-06	468	7.78E-05	535	1.70E-04	602	2.78E-04	669	1.04E-04	736	1.53E-05
402	2.00E-07	469	7.76E-05	536	1.71E-04	603	2.78E-04	670	1.04E-04	737	1.47E-05
403	7.00E-07	470	7.66E-05	537	1.73E-04	604	2.81E-04	671	1.03E-04	738	1.40E-05
404	0.00E+00	471	7.63E-05	538	1.74E-04	605	2.82E-04	672	9.84E-05	739	1.37E-05
405	9.00E-07	472	7.57E-05	539	1.76E-04	606	2.82E-04	673	9.47E-05	740	1.33E-05
406	6.00E-07	473	7.41E-05	540	1.78E-04	607	2.88E-04	674	9.14E-05	741	1.28E-05
407	1.30E-06	474	7.41E-05	541	1.78E-04	608	3.30E-04	675	8.82E-05	742	1.25E-05
408	1.50E-06	475	7.33E-05	542	1.80E-04	609	4.04E-04	676	8.54E-05	743	1.26E-05
409	1.50E-06	476	7.32E-05	543	1.82E-04	610	4.03E-04	677	8.35E-05	744	1.17E-05
410	2.50E-06	477	7.25E-05	544	1.85E-04	611	3.47E-04	678	8.08E-05	745	1.16E-05
411	2.00E-06	478	7.25E-05	545	1.85E-04	612	3.58E-04	679	7.91E-05	746	1.14E-05
412	2.80E-06	479	7.31E-05	546	1.87E-04	613	4.92E-04	680	7.63E-05	747	1.10E-05
413	4.00E-06	480	7.31E-05	547	1.89E-04	614	6.14E-04	681	7.47E-05	748	1.02E-05
414	4.50E-06	481	7.51E-05	548	1.90E-04	615	5.51E-04	682	7.21E-05	749	1.03E-05
415	4.80E-06	482	7.64E-05	549	1.92E-04	616	4.17E-04	683	7.00E-05	750	9.90E-06
416	4.40E-06	483	7.84E-05	550	1.95E-04	617	3.43E-04	684	6.89E-05	751	9.80E-06
417	5.50E-06	484	8.07E-05	551	1.97E-04	618	3.17E-04	685	6.66E-05	752	9.50E-06
418	6.10E-06	485	8.31E-05	552	1.98E-04	619	3.15E-04	686	6.50E-05	753	9.50E-06
419	6.80E-06	486	8.50E-05	553	2.00E-04	620	3.16E-04	687	6.38E-05	754	9.10E-06
420	8.90E-06	487	8.83E-05	554	2.02E-04	621	3.09E-04	688	6.18E-05	755	8.80E-06
421	9.20E-06	488	9.08E-05	555	2.04E-04	622	2.99E-04	689	6.01E-05	756	8.60E-06
422	1.07E-05	489	9.34E-05	556	2.06E-04	623	2.93E-04	690	5.75E-05	757	8.30E-06
423	1.18E-05	490	9.55E-05	557	2.08E-04	624	2.98E-04	691	5.68E-05	758	8.00E-06
424	1.22E-05	491	9.86E-05	558	2.10E-04	625	3.05E-04	692	5.58E-05	759	7.70E-06
425	1.32E-05	492	1.02E-04	559	2.12E-04	626	3.10E-04	693	5.39E-05	760	7.80E-06
426	1.42E-05	493	1.04E-04	560	2.14E-04	627	3.13E-04	694	5.26E-05	761	7.50E-06
427	1.62E-05	494	1.06E-04	561	2.17E-04	628	3.24E-04	695	5.12E-05	762	7.10E-06
428	1.78E-05	495	1.09E-04	562	2.18E-04	629	3.74E-04	696	4.97E-05	763	6.90E-06
429	1.91E-05	496	1.12E-04	563	2.20E-04	630	5.93E-04	697	4.85E-05	764	6.70E-06
430	2.19E-05	497	1.14E-04	564	2.22E-04	631	9.32E-04	698	4.71E-05	765	6.50E-06
431	2.19E-05	498	1.18E-04	565	2.24E-04	632	9.51E-04	699	4.53E-05	766	6.10E-06
432	2.49E-05	499	1.20E-04	566	2.25E-04	633	6.60E-04	700	4.45E-05	767	6.40E-06
433	2.57E-05	500	1.22E-04	567	2.28E-04	634	5.09E-04	701	4.28E-05	768	5.90E-06
434	2.80E-05	501	1.25E-04	568	2.31E-04	635	6.50E-04	702	4.19E-05	769	5.80E-06
435	2.95E-05	502	1.29E-04	569	2.32E-04	636	7.17E-04	703	4.05E-05	770	5.70E-06
436	3.25E-05	503	1.30E-04	570	2.33E-04	637	5.07E-04	704	3.93E-05	771	5.10E-06
437	3.50E-05	504	1.33E-04	571	2.35E-04	638	3.27E-04	705	3.81E-05	772	5.50E-06
438	3.76E-05	505	1.35E-04	572	2.37E-04	639	2.52E-04	706	3.73E-05	773	5.00E-06
439	4.06E-05	506	1.36E-04	573	2.39E-04	640	2.20E-04	707	3.62E-05	774	4.70E-06
440	4.33E-05	507	1.38E-04	574	2.41E-04	641	2.05E-04	708	3.53E-05	775	4.90E-06
441	4.66E-05	508	1.40E-04	575	2.43E-04	642	1.96E-04	709	3.44E-05	776	5.30E-06
442	5.08E-05	509	1.41E-04	576	2.45E-04	643	1.91E-04	710	3.35E-05	777	4.60E-06
443	5.53E-05	510	1.43E-04	577	2.45E-04	644	1.87E-04	711	3.25E-05	778	4.20E-06
444	5.96E-05	511	1.44E-04	578	2.47E-04	645	1.87E-04	712	3.11E-05	779	4.50E-06
445	6.39E-05	512	1.45E-04	579	2.48E-04	646	1.95E-04	713	3.04E-05	780	4.50E-06
446	6.90E-05	513	1.47E-04	580	2.50E-04	647	2.45E-04	714	2.95E-05	N/A	N/A

IES TM-30-18 Color Rendition Result (CCT Setting=2700K@36D):

ANSI/IES TM-30-18 Color Rendition Report

Source: BXRV-TR-2750G-20F6-A-23
Date: 2025/4/9

Manufacturer: RAB LIGHTING INC.
Model: TK22L[blank, B] (0%, 2700K@36D)



Notes: This is a recommended method for displaying ANSI/IES TM-30-18 information.

x **0.4615**
 y **0.4114**
 u' **0.2632**
 v' **0.5279**

CIE 13.3-1995 (CRI)	
R_a	96
R_g	67

Spectrum Data (CCT Setting=2700K@36D):

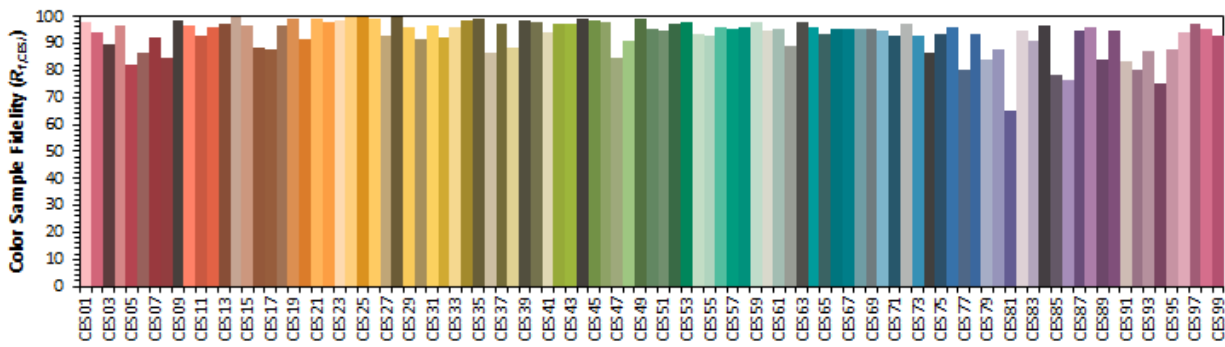
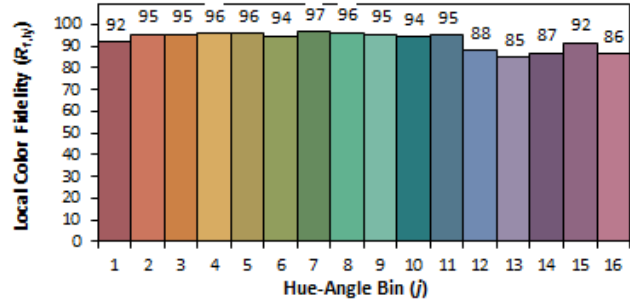
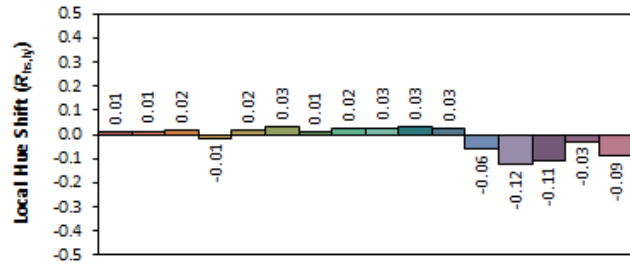
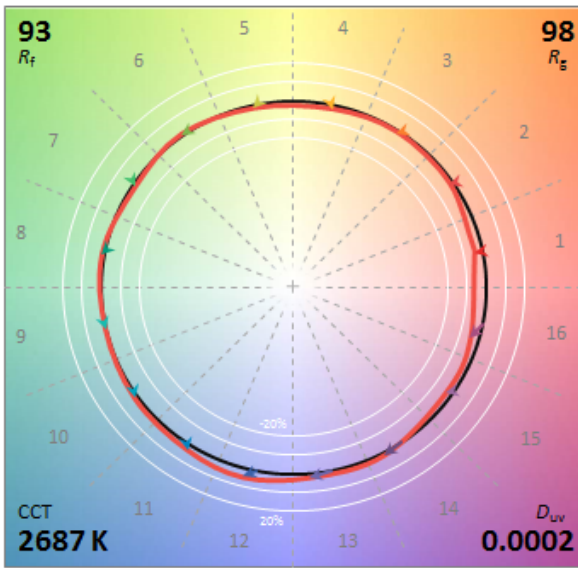
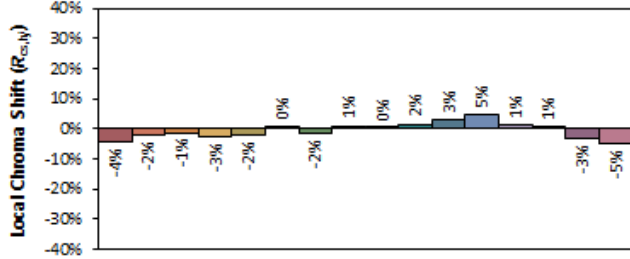
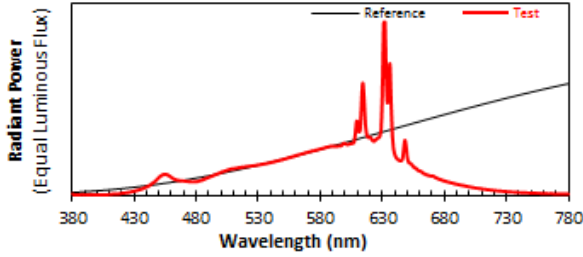
Spectral Distribution over Visible Wavelength											
WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)
380	2.20E-06	447	7.70E-05	514	1.49E-04	581	2.53E-04	648	2.99E-04	715	2.91E-05
381	0.00E+00	448	8.31E-05	515	1.49E-04	582	2.54E-04	649	2.65E-04	716	2.82E-05
382	5.10E-06	449	9.04E-05	516	1.50E-04	583	2.56E-04	650	2.06E-04	717	2.74E-05
383	9.00E-07	450	9.63E-05	517	1.52E-04	584	2.59E-04	651	1.80E-04	718	2.63E-05
384	0.00E+00	451	1.02E-04	518	1.52E-04	585	2.61E-04	652	1.74E-04	719	2.57E-05
385	0.00E+00	452	1.06E-04	519	1.53E-04	586	2.62E-04	653	1.71E-04	720	2.50E-05
386	3.00E-07	453	1.11E-04	520	1.54E-04	587	2.64E-04	654	1.62E-04	721	2.38E-05
387	7.60E-06	454	1.13E-04	521	1.54E-04	588	2.66E-04	655	1.54E-04	722	2.34E-05
388	0.00E+00	455	1.12E-04	522	1.56E-04	589	2.66E-04	656	1.49E-04	723	2.25E-05
389	7.00E-07	456	1.11E-04	523	1.57E-04	590	2.66E-04	657	1.45E-04	724	2.19E-05
390	1.00E-06	457	1.09E-04	524	1.58E-04	591	2.67E-04	658	1.39E-04	725	2.13E-05
391	2.90E-06	458	1.04E-04	525	1.59E-04	592	2.67E-04	659	1.33E-04	726	2.06E-05
392	1.90E-06	459	9.88E-05	526	1.60E-04	593	2.68E-04	660	1.31E-04	727	2.01E-05
393	0.00E+00	460	9.52E-05	527	1.62E-04	594	2.67E-04	661	1.28E-04	728	1.92E-05
394	5.00E-07	461	9.16E-05	528	1.62E-04	595	2.67E-04	662	1.24E-04	729	1.85E-05
395	1.50E-06	462	8.71E-05	529	1.63E-04	596	2.68E-04	663	1.19E-04	730	1.82E-05
396	1.50E-06	463	8.40E-05	530	1.64E-04	597	2.72E-04	664	1.15E-04	731	1.74E-05
397	4.00E-07	464	8.17E-05	531	1.66E-04	598	2.78E-04	665	1.12E-04	732	1.72E-05
398	3.00E-07	465	7.94E-05	532	1.66E-04	599	2.82E-04	666	1.09E-04	733	1.64E-05
399	1.00E-07	466	7.86E-05	533	1.69E-04	600	2.79E-04	667	1.07E-04	734	1.64E-05
400	8.00E-07	467	7.81E-05	534	1.69E-04	601	2.77E-04	668	1.05E-04	735	1.58E-05
401	1.30E-06	468	7.70E-05	535	1.71E-04	602	2.78E-04	669	1.04E-04	736	1.51E-05
402	1.00E-06	469	7.65E-05	536	1.71E-04	603	2.78E-04	670	1.04E-04	737	1.47E-05
403	1.30E-06	470	7.61E-05	537	1.74E-04	604	2.81E-04	671	1.03E-04	738	1.41E-05
404	8.00E-07	471	7.57E-05	538	1.74E-04	605	2.82E-04	672	9.79E-05	739	1.40E-05
405	1.50E-06	472	7.54E-05	539	1.76E-04	606	2.82E-04	673	9.44E-05	740	1.33E-05
406	1.00E-06	473	7.44E-05	540	1.77E-04	607	2.88E-04	674	9.11E-05	741	1.32E-05
407	1.70E-06	474	7.27E-05	541	1.80E-04	608	3.30E-04	675	8.83E-05	742	1.27E-05
408	1.50E-06	475	7.24E-05	542	1.80E-04	609	4.04E-04	676	8.57E-05	743	1.23E-05
409	1.90E-06	476	7.25E-05	543	1.82E-04	610	4.02E-04	677	8.31E-05	744	1.19E-05
410	2.50E-06	477	7.18E-05	544	1.84E-04	611	3.44E-04	678	8.09E-05	745	1.15E-05
411	2.10E-06	478	7.19E-05	545	1.86E-04	612	3.57E-04	679	7.91E-05	746	1.15E-05
412	2.50E-06	479	7.25E-05	546	1.88E-04	613	4.93E-04	680	7.67E-05	747	1.07E-05
413	3.10E-06	480	7.35E-05	547	1.89E-04	614	6.13E-04	681	7.44E-05	748	1.07E-05
414	4.30E-06	481	7.54E-05	548	1.91E-04	615	5.46E-04	682	7.23E-05	749	1.01E-05
415	4.90E-06	482	7.64E-05	549	1.93E-04	616	4.13E-04	683	7.01E-05	750	1.00E-05
416	4.70E-06	483	7.80E-05	550	1.95E-04	617	3.41E-04	684	6.89E-05	751	9.70E-06
417	5.80E-06	484	8.13E-05	551	1.96E-04	618	3.15E-04	685	6.70E-05	752	9.50E-06
418	7.00E-06	485	8.31E-05	552	1.98E-04	619	3.14E-04	686	6.51E-05	753	9.20E-06
419	7.10E-06	486	8.59E-05	553	2.00E-04	620	3.16E-04	687	6.36E-05	754	9.10E-06
420	8.10E-06	487	8.82E-05	554	2.03E-04	621	3.08E-04	688	6.18E-05	755	8.90E-06
421	8.90E-06	488	9.04E-05	555	2.05E-04	622	2.98E-04	689	6.01E-05	756	8.40E-06
422	1.04E-05	489	9.43E-05	556	2.06E-04	623	2.94E-04	690	5.82E-05	757	8.10E-06
423	1.16E-05	490	9.63E-05	557	2.09E-04	624	2.98E-04	691	5.72E-05	758	8.10E-06
424	1.20E-05	491	9.89E-05	558	2.11E-04	625	3.05E-04	692	5.55E-05	759	7.90E-06
425	1.37E-05	492	1.02E-04	559	2.13E-04	626	3.10E-04	693	5.44E-05	760	7.50E-06
426	1.45E-05	493	1.05E-04	560	2.15E-04	627	3.14E-04	694	5.25E-05	761	7.30E-06
427	1.65E-05	494	1.08E-04	561	2.17E-04	628	3.22E-04	695	5.11E-05	762	7.00E-06
428	1.75E-05	495	1.10E-04	562	2.19E-04	629	3.74E-04	696	4.96E-05	763	7.10E-06
429	1.92E-05	496	1.13E-04	563	2.20E-04	630	5.96E-04	697	4.81E-05	764	6.60E-06
430	2.18E-05	497	1.16E-04	564	2.23E-04	631	9.37E-04	698	4.68E-05	765	6.60E-06
431	2.22E-05	498	1.19E-04	565	2.25E-04	632	9.46E-04	699	4.57E-05	766	6.30E-06
432	2.42E-05	499	1.21E-04	566	2.26E-04	633	6.53E-04	700	4.43E-05	767	5.90E-06
433	2.58E-05	500	1.24E-04	567	2.28E-04	634	5.02E-04	701	4.34E-05	768	6.10E-06
434	2.85E-05	501	1.26E-04	568	2.30E-04	635	6.52E-04	702	4.22E-05	769	6.00E-06
435	2.99E-05	502	1.29E-04	569	2.33E-04	636	7.13E-04	703	4.10E-05	770	5.70E-06
436	3.31E-05	503	1.31E-04	570	2.34E-04	637	5.02E-04	704	3.97E-05	771	5.40E-06
437	3.51E-05	504	1.32E-04	571	2.36E-04	638	3.23E-04	705	3.87E-05	772	5.60E-06
438	3.80E-05	505	1.35E-04	572	2.38E-04	639	2.50E-04	706	3.75E-05	773	4.90E-06
439	4.18E-05	506	1.38E-04	573	2.40E-04	640	2.19E-04	707	3.62E-05	774	5.10E-06
440	4.48E-05	507	1.39E-04	574	2.41E-04	641	2.05E-04	708	3.51E-05	775	4.80E-06
441	4.74E-05	508	1.41E-04	575	2.43E-04	642	1.97E-04	709	3.41E-05	776	5.00E-06
442	5.15E-05	509	1.41E-04	576	2.44E-04	643	1.91E-04	710	3.30E-05	777	4.60E-06
443	5.60E-05	510	1.44E-04	577	2.47E-04	644	1.87E-04	711	3.24E-05	778	4.40E-06
444	6.03E-05	511	1.44E-04	578	2.48E-04	645	1.86E-04	712	3.15E-05	779	4.70E-06
445	6.63E-05	512	1.46E-04	579	2.48E-04	646	1.95E-04	713	3.04E-05	780	4.70E-06
446	7.07E-05	513	1.47E-04	580	2.51E-04	647	2.45E-04	714	2.93E-05	N/A	N/A

IES TM-30-18 Color Rendition Result (CCT Setting=2700K@45D):

ANSI/IES TM-30-18 Color Rendition Report

Source: BXRV-TR-2750G-20F6-A-23
Date: 2025/4/9

Manufacturer: RAB LIGHTING INC.
Model: TK22L[blank, B] (0%, 2700K@45D)



Notes: This is a recommended method for displaying ANSI/IES TM-30-18 information.

x **0.4613**
 y **0.4114**
 u' **0.2631**
 v' **0.5279**

CIE 13.3-1995 (CRI)	
R_a	96
R_g	67

Spectrum Data (CCT Setting=2700K@45D):

Spectral Distribution over Visible Wavelength											
WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)
380	6.30E-06	447	7.74E-05	514	1.49E-04	581	2.53E-04	648	2.99E-04	715	2.89E-05
381	0.00E+00	448	8.49E-05	515	1.50E-04	582	2.56E-04	649	2.66E-04	716	2.79E-05
382	0.00E+00	449	9.13E-05	516	1.51E-04	583	2.57E-04	650	2.06E-04	717	2.74E-05
383	0.00E+00	450	9.83E-05	517	1.53E-04	584	2.59E-04	651	1.79E-04	718	2.63E-05
384	0.00E+00	451	1.03E-04	518	1.53E-04	585	2.61E-04	652	1.74E-04	719	2.55E-05
385	6.00E-07	452	1.08E-04	519	1.54E-04	586	2.63E-04	653	1.70E-04	720	2.48E-05
386	0.00E+00	453	1.11E-04	520	1.54E-04	587	2.64E-04	654	1.63E-04	721	2.39E-05
387	1.60E-06	454	1.13E-04	521	1.56E-04	588	2.66E-04	655	1.54E-04	722	2.30E-05
388	2.50E-06	455	1.12E-04	522	1.56E-04	589	2.66E-04	656	1.49E-04	723	2.27E-05
389	7.00E-07	456	1.11E-04	523	1.57E-04	590	2.67E-04	657	1.46E-04	724	2.17E-05
390	1.50E-06	457	1.08E-04	524	1.59E-04	591	2.67E-04	658	1.39E-04	725	2.12E-05
391	1.60E-06	458	1.04E-04	525	1.59E-04	592	2.67E-04	659	1.34E-04	726	2.06E-05
392	0.00E+00	459	9.92E-05	526	1.60E-04	593	2.67E-04	660	1.31E-04	727	2.02E-05
393	0.00E+00	460	9.42E-05	527	1.61E-04	594	2.67E-04	661	1.29E-04	728	1.92E-05
394	0.00E+00	461	8.99E-05	528	1.62E-04	595	2.68E-04	662	1.24E-04	729	1.88E-05
395	2.50E-06	462	8.62E-05	529	1.64E-04	596	2.68E-04	663	1.18E-04	730	1.82E-05
396	9.00E-07	463	8.39E-05	530	1.64E-04	597	2.71E-04	664	1.15E-04	731	1.74E-05
397	1.30E-06	464	8.15E-05	531	1.66E-04	598	2.79E-04	665	1.12E-04	732	1.71E-05
398	1.00E-06	465	7.97E-05	532	1.66E-04	599	2.83E-04	666	1.09E-04	733	1.66E-05
399	8.00E-07	466	7.90E-05	533	1.69E-04	600	2.80E-04	667	1.07E-04	734	1.61E-05
400	5.00E-07	467	7.76E-05	534	1.69E-04	601	2.77E-04	668	1.05E-04	735	1.56E-05
401	9.00E-07	468	7.74E-05	535	1.71E-04	602	2.76E-04	669	1.04E-04	736	1.53E-05
402	1.00E-06	469	7.63E-05	536	1.72E-04	603	2.78E-04	670	1.05E-04	737	1.46E-05
403	8.00E-07	470	7.63E-05	537	1.73E-04	604	2.81E-04	671	1.03E-04	738	1.42E-05
404	1.10E-06	471	7.55E-05	538	1.75E-04	605	2.81E-04	672	9.85E-05	739	1.39E-05
405	6.00E-07	472	7.46E-05	539	1.76E-04	606	2.82E-04	673	9.46E-05	740	1.34E-05
406	1.10E-06	473	7.40E-05	540	1.77E-04	607	2.88E-04	674	9.13E-05	741	1.32E-05
407	1.50E-06	474	7.32E-05	541	1.80E-04	608	3.30E-04	675	8.84E-05	742	1.28E-05
408	6.00E-07	475	7.22E-05	542	1.80E-04	609	4.03E-04	676	8.55E-05	743	1.23E-05
409	2.10E-06	476	7.19E-05	543	1.83E-04	610	4.00E-04	677	8.38E-05	744	1.18E-05
410	2.10E-06	477	7.13E-05	544	1.84E-04	611	3.44E-04	678	8.10E-05	745	1.14E-05
411	2.10E-06	478	7.19E-05	545	1.86E-04	612	3.57E-04	679	7.85E-05	746	1.12E-05
412	3.90E-06	479	7.27E-05	546	1.88E-04	613	4.94E-04	680	7.67E-05	747	1.10E-05
413	3.70E-06	480	7.30E-05	547	1.90E-04	614	6.12E-04	681	7.45E-05	748	1.06E-05
414	4.30E-06	481	7.39E-05	548	1.92E-04	615	5.44E-04	682	7.22E-05	749	1.04E-05
415	4.60E-06	482	7.65E-05	549	1.92E-04	616	4.11E-04	683	7.07E-05	750	1.02E-05
416	5.40E-06	483	7.87E-05	550	1.95E-04	617	3.40E-04	684	6.90E-05	751	9.70E-06
417	5.10E-06	484	8.03E-05	551	1.97E-04	618	3.17E-04	685	6.70E-05	752	9.50E-06
418	6.80E-06	485	8.23E-05	552	1.99E-04	619	3.15E-04	686	6.56E-05	753	9.30E-06
419	7.70E-06	486	8.59E-05	553	2.00E-04	620	3.16E-04	687	6.38E-05	754	8.90E-06
420	8.90E-06	487	8.86E-05	554	2.03E-04	621	3.07E-04	688	6.15E-05	755	8.70E-06
421	9.00E-06	488	9.16E-05	555	2.05E-04	622	2.97E-04	689	6.01E-05	756	8.40E-06
422	1.08E-05	489	9.39E-05	556	2.07E-04	623	2.93E-04	690	5.86E-05	757	8.40E-06
423	1.14E-05	490	9.68E-05	557	2.09E-04	624	2.98E-04	691	5.70E-05	758	8.00E-06
424	1.23E-05	491	9.93E-05	558	2.10E-04	625	3.05E-04	692	5.57E-05	759	7.70E-06
425	1.38E-05	492	1.02E-04	559	2.12E-04	626	3.10E-04	693	5.42E-05	760	7.60E-06
426	1.49E-05	493	1.05E-04	560	2.15E-04	627	3.14E-04	694	5.26E-05	761	7.00E-06
427	1.65E-05	494	1.08E-04	561	2.17E-04	628	3.24E-04	695	5.14E-05	762	7.00E-06
428	1.85E-05	495	1.11E-04	562	2.19E-04	629	3.75E-04	696	4.97E-05	763	6.90E-06
429	1.99E-05	496	1.13E-04	563	2.21E-04	630	5.98E-04	697	4.87E-05	764	6.40E-06
430	2.15E-05	497	1.16E-04	564	2.23E-04	631	9.40E-04	698	4.70E-05	765	6.50E-06
431	2.27E-05	498	1.19E-04	565	2.24E-04	632	9.46E-04	699	4.58E-05	766	6.20E-06
432	2.49E-05	499	1.21E-04	566	2.27E-04	633	6.50E-04	700	4.45E-05	767	6.50E-06
433	2.65E-05	500	1.24E-04	567	2.29E-04	634	5.03E-04	701	4.33E-05	768	5.80E-06
434	2.81E-05	501	1.27E-04	568	2.31E-04	635	6.54E-04	702	4.19E-05	769	5.90E-06
435	3.09E-05	502	1.29E-04	569	2.32E-04	636	7.13E-04	703	4.07E-05	770	5.50E-06
436	3.33E-05	503	1.31E-04	570	2.33E-04	637	5.00E-04	704	3.95E-05	771	5.30E-06
437	3.54E-05	504	1.34E-04	571	2.36E-04	638	3.22E-04	705	3.87E-05	772	5.50E-06
438	3.86E-05	505	1.36E-04	572	2.37E-04	639	2.50E-04	706	3.73E-05	773	5.00E-06
439	4.16E-05	506	1.38E-04	573	2.40E-04	640	2.20E-04	707	3.63E-05	774	5.00E-06
440	4.45E-05	507	1.41E-04	574	2.42E-04	641	2.04E-04	708	3.52E-05	775	4.70E-06
441	4.80E-05	508	1.42E-04	575	2.42E-04	642	1.97E-04	709	3.46E-05	776	5.10E-06
442	5.18E-05	509	1.43E-04	576	2.45E-04	643	1.90E-04	710	3.33E-05	777	4.50E-06
443	5.63E-05	510	1.44E-04	577	2.46E-04	644	1.87E-04	711	3.23E-05	778	4.30E-06
444	6.19E-05	511	1.45E-04	578	2.48E-04	645	1.87E-04	712	3.19E-05	779	4.40E-06
445	6.64E-05	512	1.46E-04	579	2.50E-04	646	1.95E-04	713	3.05E-05	780	4.40E-06
446	7.15E-05	513	1.47E-04	580	2.52E-04	647	2.45E-04	714	2.97E-05	N/A	N/A

Goniophotometer Test Results (CCT Setting=2700K):

Test Condition:

Test Ambient (°C)	Test Humidity (%)	Orientation	Stabilization Time (minute)	Test Time (minute)
25.1	40.0	Face Down	90	25

Electrical Data:

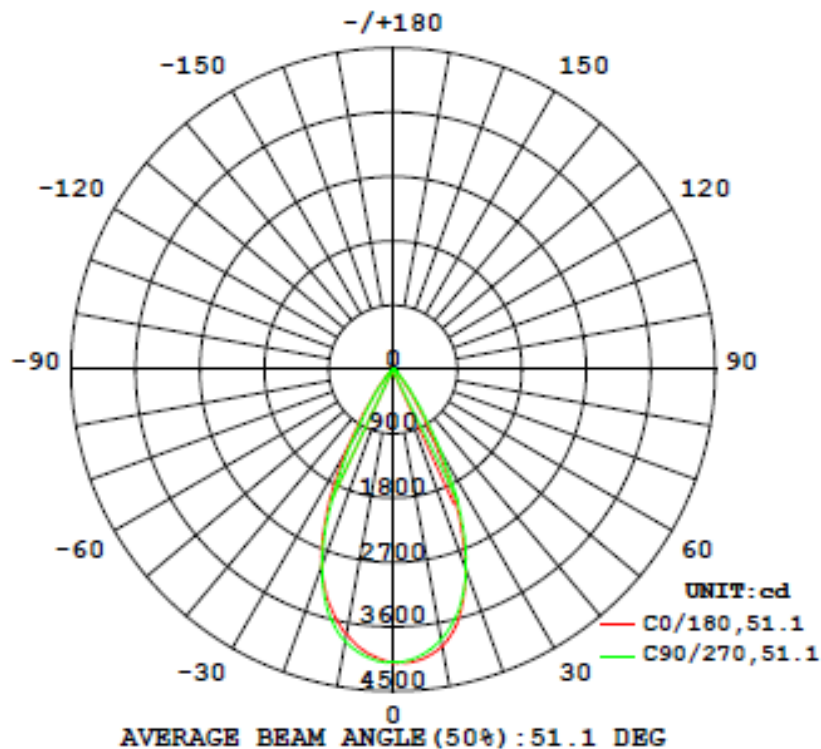
Voltage (V)	Frequency (Hz)	Current (A)	Wattage (W)	Power Factor
120.0	60	0.2487	29.49	0.9881

Goniophotometer Data:

Parameter	Results
Total Luminous (lm)	2921.6
Luminous Efficacy (lm/W)	99.08
Zonal Lumens Distribution (0-90°)	100.0%
Beam Angle (°)	51.1
Center Beam Intensity (cd)	4100

Luminous Intensity Distribution Diagram:

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

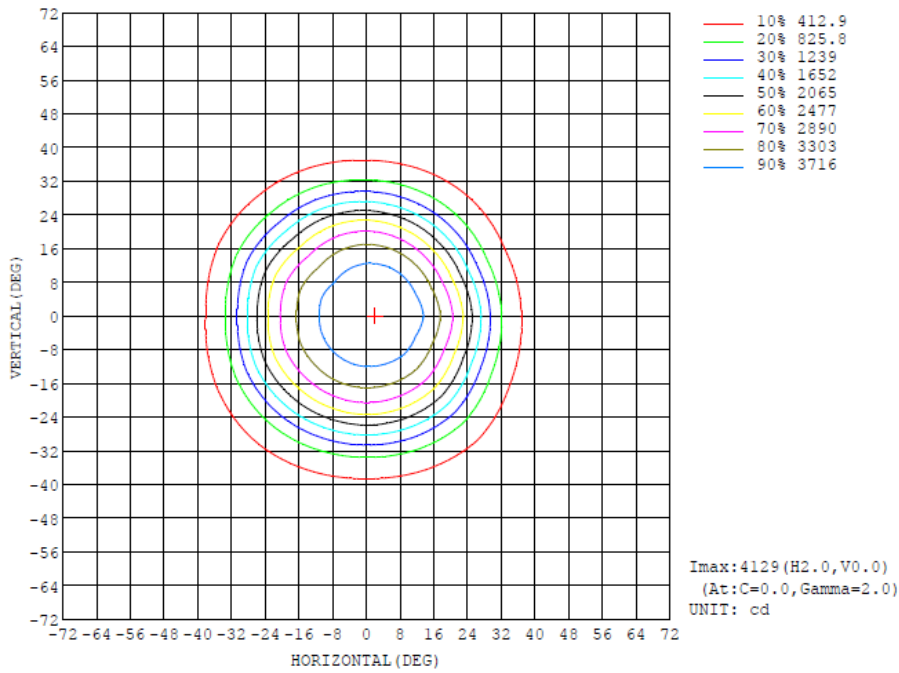


Zonal Flux Diagram:

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	llum, lamp
10	3933	3886	3838	3811	3765	3770	3864	3913	0- 10	379.4	379.4	13,13
20	2962	2975	2976	2955	2926	2842	2918	2843	10- 20	965.7	1345	46,46
30	1138	1350	1352	1372	1328	1232	1163	1061	20- 30	952.7	2298	78.6,78.6
40	247.0	341.5	341.3	355.8	308.9	274.7	249.2	233.2	30- 40	409.6	2707	92.7,92.7
50	66.32	77.72	80.36	86.11	80.19	74.26	67.47	65.21	40- 50	112.5	2820	96.5,96.5
60	37.84	42.05	45.06	47.54	44.89	39.70	36.97	35.19	50- 60	59.11	2870	98.2,98.2
70	19.54	22.10	23.29	23.63	21.74	19.06	18.20	18.11	60- 70	29.60	2900	99.2,99.2
80	10.08	12.50	13.46	13.51	11.99	10.03	9.049	8.549	70- 80	16.80	2916	99.8,99.8
90	0.0061	0.0073	0.0177	0.1115	0.0056	0.0050	0.0043	0.0043	80- 90	5.118	2922	100,100
100	0.0054	0.0043	0.0043	0.0047	0.0037	0.0032	0.0030	0.0034	90-100	0.0059	2922	100,100
110	0.0048	0.0039	0.0047	0.0039	0.0030	0.0032	0.0034	0.0036	100-110	0.0040	2922	100,100
120	0.0045	0.0041	0.0049	0.0045	0.0033	0.0037	0.0034	0.0039	110-120	0.0038	2922	100,100
130	0.0054	0.0056	0.0041	0.0054	0.0045	0.0047	0.0030	0.0047	120-130	0.0038	2922	100,100
140	0.0122	0.0131	0.0103	0.0123	0.0074	0.0091	0.0060	0.0092	130-140	0.0051	2922	100,100
150	0.0291	0.0299	0.0238	0.0286	0.0186	0.0200	0.0198	0.0187	140-150	0.0095	2922	100,100
160	0.0403	0.0392	0.0501	0.0419	0.0325	0.0287	0.0314	0.0268	150-160	0.0140	2922	100,100
170	0.0349	0.0354	0.0391	0.0417	0.0323	0.0351	0.0359	0.0342	160-170	0.0104	2922	100,100
180	0.0013	0.0125	0.0040	0.0115	0.0035	0.0117	0.0060	0.0080	170-180	0.0031	2922	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Isocandela Diagram:



Luminous Distribution Intensity Data:

Table--1 UNIT: cd

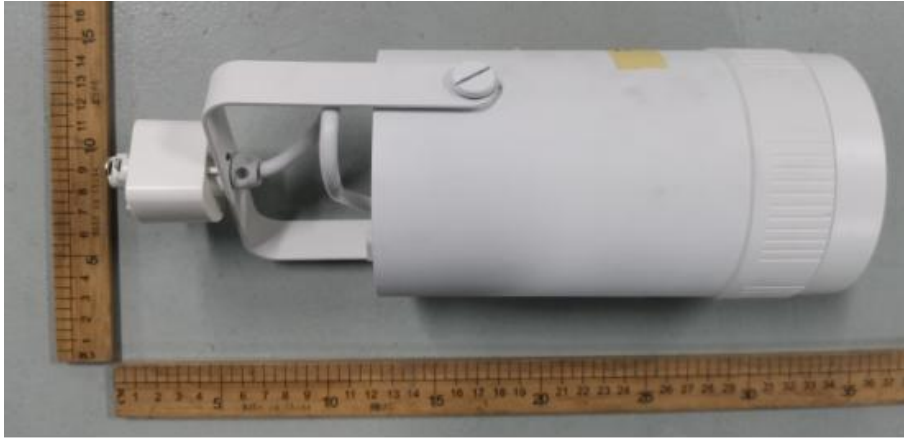
C (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5		
0	4099	4099	4099	4099	4099	4099	4099	4099	4099	4099	4099	4099	4099	4099	4099	4099		
5	4084	4062	4069	4048	4032	4019	4011	4007	3989	4002	3996	4020	4045	4066	4077	4077		
10	3933	3878	3886	3855	3838	3824	3811	3804	3765	3786	3770	3817	3864	3895	3913	3913		
15	3576	3501	3534	3508	3504	3493	3476	3477	3422	3448	3404	3466	3515	3522	3519	3523		
20	2962	2889	2975	2967	2976	2963	2955	2988	2926	2948	2842	2894	2918	2878	2843	2850		
25	2088	2052	2211	2218	2229	2208	2220	2280	2205	2234	2075	2090	2068	1992	1933	1923		
30	1138	1165	1350	1357	1352	1346	1372	1419	1328	1371	1232	1212	1163	1111	1061	1014		
35	546	571	693	690	674	680	694	706	645	683	607	584	553	541	519	486		
40	247	266	342	344	341	350	356	349	309	321	275	263	249	244	233	218		
45	107	115	146	149	151	156	158	154	139	142	124	118	107	106	103	97.3		
50	66.3	68.6	77.7	78.5	80.4	83.5	86.1	85.1	80.2	80.3	74.3	70.4	67.5	66.2	65.2	63.2		
55	50.4	51.5	56.7	57.4	59.1	61.3	63.4	63.2	60.6	59.9	55.4	52.7	50.6	49.1	48.7	47.8		
60	37.8	38.3	42.0	43.3	45.1	46.5	47.5	47.4	44.9	43.8	39.7	38.2	37.0	35.7	35.2	35.6		
65	27.4	27.8	30.7	31.9	33.2	33.8	34.1	33.9	31.8	30.9	27.9	26.9	26.0	25.3	25.0	25.3		
70	19.5	20.0	22.1	22.8	23.3	23.6	23.6	23.4	21.7	21.2	19.1	18.6	18.2	18.0	18.1	18.4		
75	15.8	16.1	17.2	17.4	17.5	17.4	17.2	16.9	16.1	15.8	14.8	14.6	14.5	14.5	14.6	14.8		
80	10.1	10.5	12.5	13.1	13.5	13.6	13.5	13.3	12.0	11.7	10.0	9.54	9.05	8.71	8.55	8.64		
85	3.13	3.54	5.43	5.94	6.41	6.72	6.84	6.77	5.41	5.04	3.22	2.74	2.31	2.02	1.85	1.90		
90	0.01	0.01	0.01	0.01	0.02	0.05	0.11	0.09	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00		
95	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
100	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
105	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
125	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
130	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
135	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.01	0.01	0.01		
140	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
145	0.02	0.02	0.02	0.01	0.02	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
150	0.03	0.03	0.03	0.02	0.02	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02		
155	0.04	0.04	0.04	0.03	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02		
160	0.04	0.04	0.04	0.04	0.05	0.05	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03		
165	0.04	0.04	0.04	0.04	0.05	0.05	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.03		
170	0.03	0.04	0.04	0.03	0.04	0.04	0.04	0.04	0.03	0.03	0.04	0.03	0.04	0.04	0.03	0.03		
175	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03		
180	0.00	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01		

THD and PF Measurement Test Results:

Electrical Measurement:

CCT Setting	Voltage (V)	Frequency (Hz)	Current (A)	Wattage (W)	Power Factor	iTHD(%)
2700K	120.0	60	0.2487	29.49	0.9881	11.33
3500K	120.0	60	0.2426	28.78	0.9887	13.59
5000K	120.0	60	0.2483	29.45	0.9885	12.57

Photo of Sample:



Equipment List:

Equipment ID	Equipment Name	Last Cal.	Due Cal.
NTC-F01-001	Goniophotometer System	2024-11-07	2025-11-06
NTC-F01-006	2.0 meter Integrating Sphere	2024-11-07	2025-11-06
NTC-F01-012	Standard Lamp	2024-10-28	2025-10-27
NTC-F01-013	Standard Lamp	2024-10-28	2025-10-27
NTC-F01-031	Digital Power Meter	2024-08-06	2025-08-05
NTC-F01-020	Temperature & Humidity Meter	2024-10-29	2025-10-28

*******End of Report*******