

Photometric Test Report

Relevant Standards

- ☒ ANSI/IES LM-79-19
- ☒ ANSI C82.77-2020

Prepared For

RAB Lighting Inc.

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Date: 2025-12-10

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Issue Date: 2025-12-10

Revised Date: N/A

1.0 Test Summary

DLC Technical Requirements V6.0

Track or Mono-Point Luminaires				
Requirement Category	Test Method	Requirements		Test Value
Luminaire Output (lm) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	≥250lm		807
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Standard	Premium	102.2
		95	110	
Power (Input Wattage) (W) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Worst Case		7.9
Total Harmonic Distortion (A%) (THD & PF – Section 4.3)	ANSI C82.77:2002 ANSI C82-77-10:2020	20.00%	120V	14.11
Power Factor (THD & PF – Section 4.3)	ANSI C82.77:2002 ANSI C82-77-10:2020	0.9	120V	0.958
Allowable CCTs* (K) (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19	7 steps	3985±275	3911
		4 steps	3985±154	
Chromaticity (D _{uv}) (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19	7 steps	0.0010±0.0060	-0.0028
		4 steps	0.0010±0.0033	
Minimum CRI (Integrating Sphere – Section 4.1)	ANSI/IES LM-79 19 CIE13.3-1995	≥80		94.1
Minimum R9 (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19 CIE13.3-1995	≥0		80
Minimum Rf (Integrating Sphere – Section 4.1)	ANSI/IES TM-30-24	≥70		90
Minimum Rg (Integrating Sphere – Section 4.1)	ANSI/IES TM-30-24	≥89		97
IES Rcs,h1 (Integrating Sphere – Section 4.1)	ANSI/IES TM-30-24	-12%≤IES Rcs,h1≤+23%		-3%
Zonal Lumen Requirement (0°-90°) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	≥ 85%		100.0%
Input Voltage (V)				
(Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Worst Cast		120.0
(Goniophotometer – Section 4.2)		Non-Worst Case		N/A
Input Current (A)				
(Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Worst Case		0.069
(Goniophotometer – Section 4.2)		Non-Worst Case		N/A
Power (Input Wattage – W)				
(Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Worst Case		7.9
(Goniophotometer – Section 4.2)		Non-Worst Case		N/A

2.0 Test List

Test Item	Test	Test Date	Model Number	Build Level	Sample No.
1	Integrating Sphere Test	2025-12-08	PIVOTSB @4000K	-	250903028-S1
2	Goniophotometer Test	2025-12-08	PIVOTSB @4000K	-	250903028-S1
3	THD and PF Test	2025-12-08	PIVOTSB @4000K	-	250903028-S1

Remark (If any):

1. The results contained in this report pertain only to the tested samples.
2. This report shall not be reproduced, no limited part or full, without approval of Dongguan New Testing Centre Co., Ltd.
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.

3.0 Product Description

Luminaire Description: Model No. PIVOTSB @4000K, color tunable from 3000K, 4000K and 5000K.

Electrical Specification: 120Vac, 60Hz

Photos of Luminaire Characteristics



4.0 LM-79 Measurement and Test Results

4.1 Integrating Sphere Test

Model No.	PIVOTSB @4000K	Sample ID	250903028-S1
Operate time (Min.)	10	Stabilization time (Min.)	60
Temperature (°C)	25.4	Humidity (%RH)	41.0

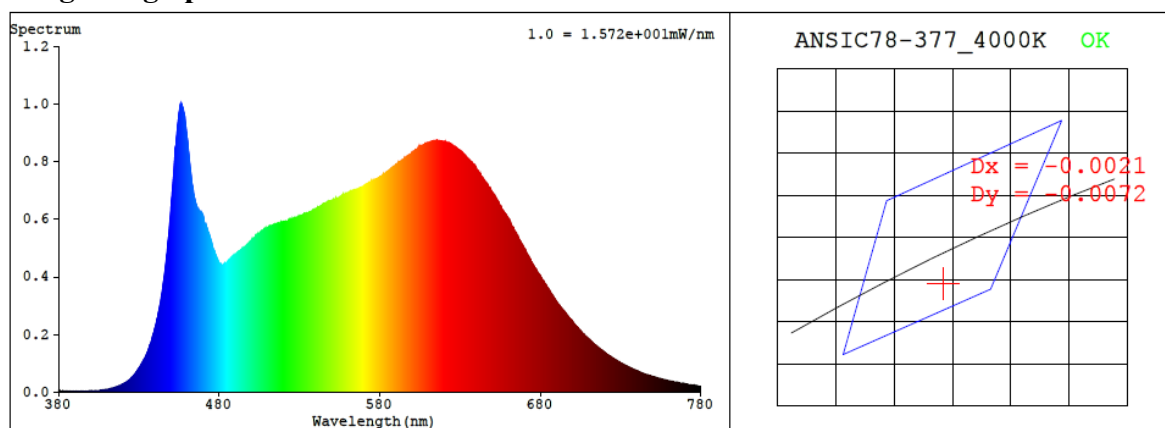
Test Method
<p>The Samples were tested according to the ANSI/IES LM-79:2019.</p> <p>Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at 25±1°C.</p> <p>The sample measurements were made using a spectroradiometer connected by a fiber optic cable and detector through the detector port of the integrating sphere.</p> <p>The voltage of an AC power supply (RMS voltage) or DC power supply (instantaneous voltage) applied to the device under test shall be regulated to within ±0.2 percent under load.</p> <p>The sample was measured using 4π geometry and operated at rated voltage and was stabilized before measurement. Chromaticity coordinates, correlated color temperature and color rendering index were calculated from the spectral radiant flux measurements taken at 1 nm intervals over the range of 380 to 780nm.</p>

Test Result

Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
120.0	60	0.069	7.9	0.958

CCT (K)	CRI	R9	Duv	SDCM	Rf	Rg	IES Rcs,h1
3911	94.1	80	-0.0028	4.2	90	97	-3%

4.1 Integrating Sphere Test



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3824$ $y = 0.3720$ / $u' = 0.2283$ $v' = 0.4998$ ($duv = -2.80e-03$)

CCT= 3911K Prcp WL: $L_d = 581.0\text{nm}$ Purity=26.4%

Peak WL: $L_p = 456\text{nm}$ FWHM: $=28.7\text{nm}$ Ratio:R=20.9% G=74.0% B=5.0%

Render Index: $R_a = 94.1$ AvgR = 92.9 TM30:Rf=91 Rg=98

EEL: 0.12512 A+

R1 =98 R2 =97 R3 =96 R4 =94 R5 =96 R6 =94 R7 =91
R8 =89 R9 =80 R10=95 R11=96 R12=76 R13=99 R14=98 R15=96

4.1 Integrating Sphere Test

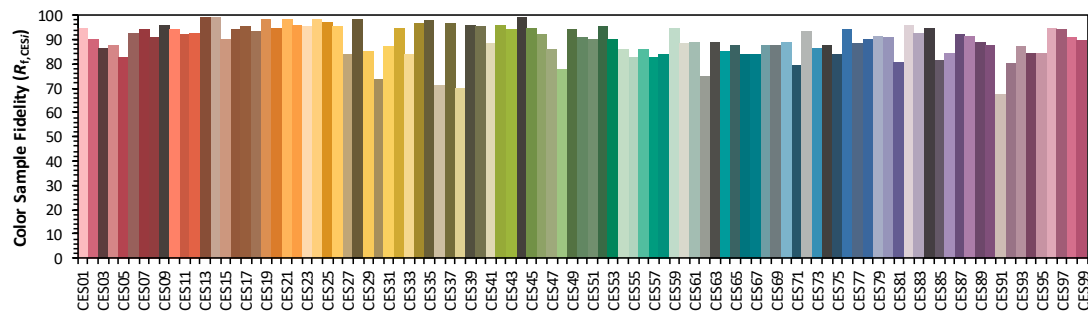
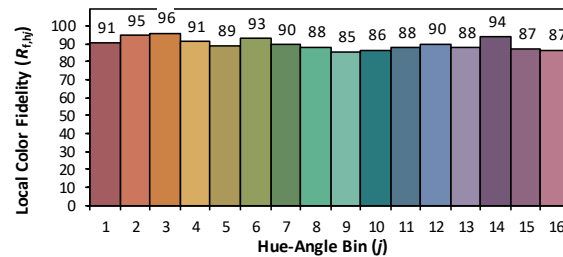
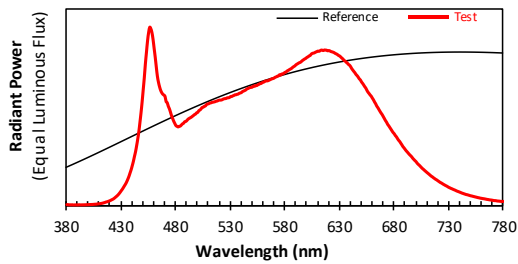
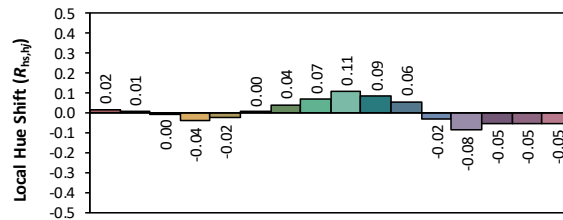
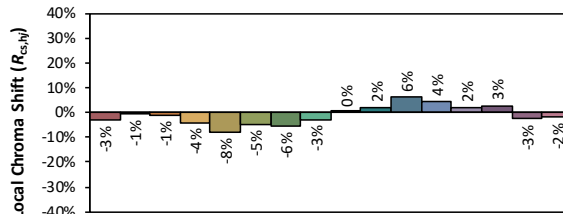
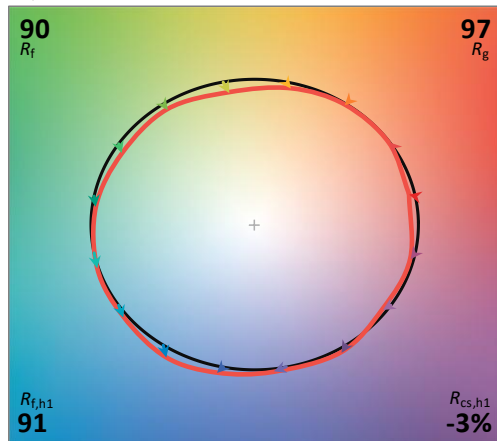
ANSI/IES TM-30-24 Color Rendition Report

Source: BXRV-TR-3050G-10A1-B-23
Date: 2025/12/10
Notes: N/A

Make: RAB Lighting Inc.
Model: PIVOTSB @4000K
Other: N/A

CCT: 3911 K
 D_{uv} : -0.0028

P2 V- F2



TM-30 Advanced Calculator Version 2.04

Created

2025/12/10

4.1 Integrating Sphere Test

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	4.10E-03	447	4.65E-01	514	5.79E-01	581	7.49E-01	648	7.11E-01	715	1.60E-01
381	4.20E-03	448	5.20E-01	515	5.81E-01	582	7.55E-01	649	7.04E-01	716	1.55E-01
382	2.90E-03	449	5.80E-01	516	5.82E-01	583	7.58E-01	650	6.93E-01	717	1.51E-01
383	3.20E-03	450	6.48E-01	517	5.85E-01	584	7.62E-01	651	6.85E-01	718	1.46E-01
384	2.70E-03	451	7.16E-01	518	5.86E-01	585	7.66E-01	652	6.76E-01	719	1.43E-01
385	3.30E-03	452	7.95E-01	519	5.90E-01	586	7.70E-01	653	6.66E-01	720	1.38E-01
386	2.30E-03	453	8.60E-01	520	5.91E-01	587	7.75E-01	654	6.58E-01	721	1.34E-01
387	2.60E-03	454	9.25E-01	521	5.91E-01	588	7.79E-01	655	6.46E-01	722	1.29E-01
388	2.80E-03	455	9.72E-01	522	5.92E-01	589	7.83E-01	656	6.36E-01	723	1.26E-01
389	2.90E-03	456	1.00E+00	523	5.95E-01	590	7.89E-01	657	6.28E-01	724	1.23E-01
390	2.10E-03	457	9.92E-01	524	5.98E-01	591	7.93E-01	658	6.19E-01	725	1.19E-01
391	3.30E-03	458	9.70E-01	525	5.99E-01	592	7.97E-01	659	6.12E-01	726	1.15E-01
392	3.00E-03	459	9.33E-01	526	6.00E-01	593	8.01E-01	660	6.02E-01	727	1.12E-01
393	2.50E-03	460	8.82E-01	527	6.04E-01	594	8.03E-01	661	5.92E-01	728	1.09E-01
394	3.00E-03	461	8.33E-01	528	6.04E-01	595	8.08E-01	662	5.80E-01	729	1.05E-01
395	2.90E-03	462	7.77E-01	529	6.06E-01	596	8.14E-01	663	5.70E-01	730	1.01E-01
396	3.10E-03	463	7.25E-01	530	6.11E-01	597	8.18E-01	664	5.58E-01	731	9.83E-02
397	3.40E-03	464	6.91E-01	531	6.11E-01	598	8.22E-01	665	5.49E-01	732	9.52E-02
398	3.60E-03	465	6.66E-01	532	6.15E-01	599	8.25E-01	666	5.38E-01	733	9.28E-02
399	4.10E-03	466	6.46E-01	533	6.17E-01	600	8.31E-01	667	5.28E-01	734	8.98E-02
400	4.20E-03	467	6.33E-01	534	6.21E-01	601	8.34E-01	668	5.18E-01	735	8.73E-02
401	4.60E-03	468	6.24E-01	535	6.21E-01	602	8.39E-01	669	5.09E-01	736	8.47E-02
402	4.70E-03	469	6.19E-01	536	6.24E-01	603	8.42E-01	670	4.98E-01	737	8.16E-02
403	4.90E-03	470	6.12E-01	537	6.25E-01	604	8.49E-01	671	4.87E-01	738	7.90E-02
404	5.30E-03	471	5.83E-01	538	6.29E-01	605	8.53E-01	672	4.76E-01	739	7.68E-02
405	5.80E-03	472	5.76E-01	539	6.31E-01	606	8.55E-01	673	4.67E-01	740	7.43E-02
406	6.40E-03	473	5.57E-01	540	6.34E-01	607	8.57E-01	674	4.55E-01	741	7.18E-02
407	6.60E-03	474	5.42E-01	541	6.39E-01	608	8.60E-01	675	4.47E-01	742	6.91E-02
408	7.70E-03	475	5.23E-01	542	6.42E-01	609	8.63E-01	676	4.37E-01	743	6.70E-02
409	8.50E-03	476	5.03E-01	543	6.45E-01	610	8.66E-01	677	4.28E-01	744	6.49E-02
410	9.20E-03	477	4.87E-01	544	6.48E-01	611	8.65E-01	678	4.18E-01	745	6.28E-02
411	1.02E-02	478	4.72E-01	545	6.54E-01	612	8.68E-01	679	4.09E-01	746	6.07E-02
412	1.14E-02	479	4.60E-01	546	6.56E-01	613	8.71E-01	680	4.02E-01	747	5.96E-02
413	1.28E-02	480	4.48E-01	547	6.59E-01	614	8.71E-01	681	3.92E-01	748	5.76E-02
414	1.47E-02	481	4.44E-01	548	6.62E-01	615	8.69E-01	682	3.85E-01	749	5.58E-02
415	1.65E-02	482	4.40E-01	549	6.63E-01	616	8.72E-01	683	3.75E-01	750	5.38E-02
416	1.88E-02	483	4.44E-01	550	6.64E-01	617	8.72E-01	684	3.66E-01	751	5.27E-02
417	2.03E-02	484	4.45E-01	551	6.70E-01	618	8.71E-01	685	3.59E-01	752	5.09E-02
418	2.26E-02	485	4.51E-01	552	6.68E-01	619	8.68E-01	686	3.49E-01	753	4.94E-02
419	2.49E-02	486	4.58E-01	553	6.73E-01	620	8.69E-01	687	3.40E-01	754	4.78E-02
420	2.76E-02	487	4.61E-01	554	6.72E-01	621	8.67E-01	688	3.30E-01	755	4.63E-02
421	3.09E-02	488	4.69E-01	555	6.77E-01	622	8.64E-01	689	3.23E-01	756	4.47E-02
422	3.39E-02	489	4.71E-01	556	6.79E-01	623	8.62E-01	690	3.14E-01	757	4.32E-02
423	3.75E-02	490	4.76E-01	557	6.83E-01	624	8.60E-01	691	3.06E-01	758	4.20E-02
424	4.25E-02	491	4.83E-01	558	6.84E-01	625	8.57E-01	692	3.00E-01	759	4.03E-02
425	4.78E-02	492	4.88E-01	559	6.89E-01	626	8.53E-01	693	2.92E-01	760	3.94E-02
426	5.31E-02	493	4.91E-01	560	6.91E-01	627	8.50E-01	694	2.85E-01	761	3.82E-02
427	5.92E-02	494	4.95E-01	561	6.94E-01	628	8.47E-01	695	2.79E-01	762	3.73E-02
428	6.63E-02	495	5.00E-01	562	6.98E-01	629	8.42E-01	696	2.73E-01	763	3.62E-02
429	7.44E-02	496	5.04E-01	563	6.99E-01	630	8.39E-01	697	2.64E-01	764	3.49E-02
430	8.31E-02	497	5.10E-01	564	6.99E-01	631	8.33E-01	698	2.58E-01	765	3.35E-02
431	9.16E-02	498	5.13E-01	565	7.02E-01	632	8.27E-01	699	2.51E-01	766	3.28E-02
432	1.01E-01	499	5.20E-01	566	7.05E-01	633	8.22E-01	700	2.46E-01	767	3.14E-02
433	1.12E-01	500	5.22E-01	567	7.08E-01	634	8.14E-01	701	2.37E-01	768	3.05E-02
434	1.22E-01	501	5.32E-01	568	7.11E-01	635	8.10E-01	702	2.31E-01	769	2.98E-02
435	1.34E-01	502	5.35E-01	569	7.12E-01	636	8.04E-01	703	2.25E-01	770	2.87E-02
436	1.48E-01	503	5.42E-01	570	7.15E-01	637	7.99E-01	704	2.19E-01	771	2.75E-02
437	1.64E-01	504	5.49E-01	571	7.19E-01	638	7.92E-01	705	2.12E-01	772	2.67E-02
438	1.83E-01	505	5.51E-01	572	7.22E-01	639	7.87E-01	706	2.06E-01	773	2.64E-02
439	2.01E-01	506	5.56E-01	573	7.25E-01	640	7.80E-01	707	2.01E-01	774	2.51E-02
440	2.23E-01	507	5.58E-01	574	7.27E-01	641	7.69E-01	708	1.95E-01	775	2.42E-02
441	2.47E-01	508	5.66E-01	575	7.34E-01	642	7.60E-01	709	1.90E-01	776	2.39E-02
442	2.75E-01	509	5.69E-01	576	7.32E-01	643	7.52E-01	710	1.85E-01	777	2.30E-02
443	3.02E-01	510	5.71E-01	577	7.38E-01	644	7.44E-01	711	1.80E-01	778	2.23E-02
444	3.36E-01	511	5.74E-01	578	7.38E-01	645	7.35E-01	712	1.74E-01	779	2.21E-02
445	3.72E-01	512	5.76E-01	579	7.43E-01	646	7.28E-01	713	1.69E-01	780	2.22E-02
446	4.14E-01	513	5.78E-01	580	7.47E-01	647	7.20E-01	714	1.64E-01	N/A	N/A

4.0 LM-79 Measurement and Test Results

4.2 Goniophotometer Test

Model No.	PIVOTSB @4000K	Sample ID	250903028-S1
Operate time (Min.)	30	Stabilization time (Min.)	60
Temperature (°C)	25.0	Humidity (%RH)	42.1

Test Method
<p>The Samples were tested according to the ANSI/IES LM-79:2019.</p> <p>Photometric parameters were measured using a type C goniophotometer and software.</p> <p>The ambient temperature shall be maintained at $25 \pm 1^\circ\text{C}$, measured at a point not more than 1 m from the sample and at the same height as the sample.</p> <p>The voltage of an AC power supply (RMS voltage) or DC power supply (instantaneous voltage) applied to the device under test shall be regulated to within ± 0.2 percent under load.</p> <p>The samples were operated at rated voltage and was stabilized before measurement. Luminous flux, luminaire efficacy, zonal lumen were calculated from the software taken at 1.0° vertical intervals and 15° horizontal intervals.</p>

Test Conditions

Condition	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
WORST CASE	120.0	60	0.069	7.9	0.958
NON-WORST CASE	N/A	N/A	N/A	N/A	N/A

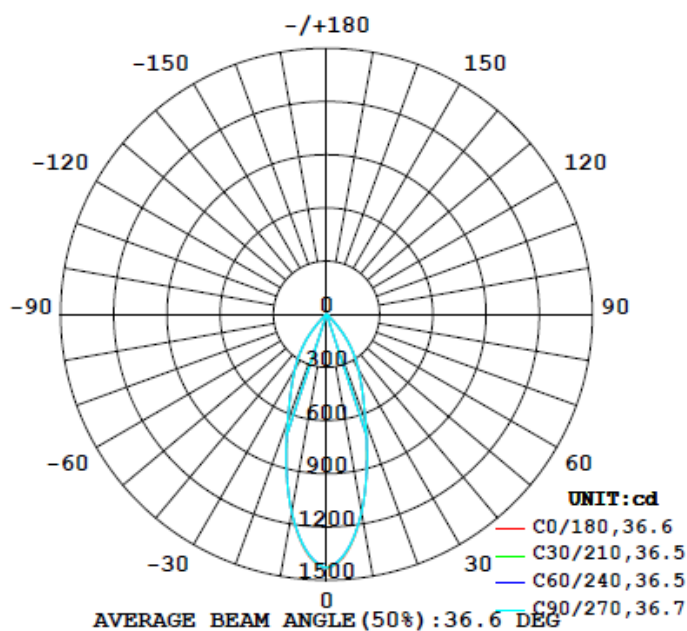
Test Result

Flux (lm)	Field Angle (10%)		Beam Angle (50%)		Luminous Efficacy (lm/W)	Zonal Lumen Requirement
	C0-180	C90-270	C0-180	C90-270		(0°-90°)
807	80.8	81.0	36.8	36.8	102.2	100.0%

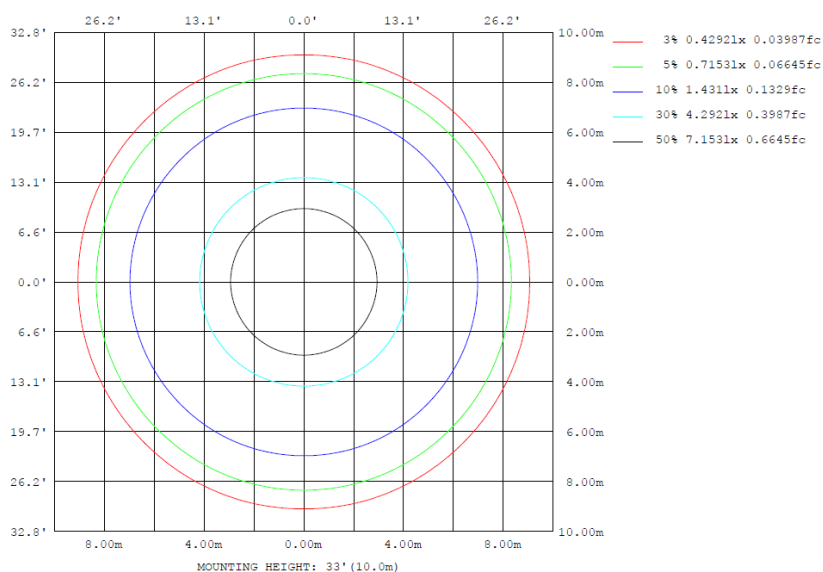
4.2 Goniophotometer Test

Lighting Distribution Curve

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



Isolux Plot



4.2 Goniophotometer Test

Zonal Lumen Summary

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	1138	1134	1135	1134	1138	1134	1135	1134	0- 10	121.1	121.1	15,15
20	643.2	643.4	644.1	643.4	643.2	643.4	644.1	643.4	10- 20	242.4	363.5	45,45
30	359.2	359.3	359.1	359.3	359.2	359.3	359.1	359.3	20- 30	220.4	583.9	72.3,72.3
40	153.3	153.4	155.4	153.4	153.3	153.4	155.4	153.4	30- 40	158.6	742.5	92,92
50	18.15	18.60	18.53	18.60	18.15	18.60	18.53	18.60	40- 50	48.14	790.7	97.9,97.9
60	7.359	7.549	7.649	7.549	7.359	7.549	7.649	7.549	50- 60	11.71	802.4	99.4,99.4
70	2.014	2.090	2.021	2.090	2.014	2.090	2.021	2.090	60- 70	3.933	806.3	99.9,99.9
80	0.0220	0.0262	0.0254	0.0262	0.0220	0.0262	0.0254	0.0262	70- 80	1.089	807.4	100,100
90	0	0	0	0	0	0	0	0	80- 90	0.0080	807.4	100,100
100	0	0	0	0	0	0	0	0	90-100	0	807.4	100,100
110	0	0	0	0	0	0	0	0	100-110	0	807.4	100,100
120	0	0	0	0	0	0	0	0	110-120	0	807.4	100,100
130	0	0	0	0	0	0	0	0	120-130	0	807.4	100,100
140	0	0	0	0	0	0	0	0	130-140	0	807.4	100,100
150	0	0	0	0	0	0	0	0	140-150	0	807.4	100,100
160	0	0	0	0	0	0	0	0	150-160	0	807.4	100,100
170	0	0	0	0	0	0	0	0	160-170	0	807.4	100,100
180	0	0	0	0	0	0	0	0	170-180	0	807.4	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

	Zonal (lm)		Total (lm)	Percent
0-10	121.08	0-10	121.08	15.00%
10-20	242.41	0-20	363.49	45.02%
20-30	220.42	0-30	583.91	72.32%
30-40	158.61	0-40	742.52	91.96%
40-50	48.14	0-50	790.66	97.93%
50-60	11.71	0-60	802.37	99.38%
60-70	3.93	0-70	806.30	99.86%
70-80	1.09	0-80	807.39	100.00%
80-90	0.01	0-90	807.40	100.00%
90-100	0.00	0-100	807.40	100.00%
100-110	0.00	0-110	807.40	100.00%
110-120	0.00	0-120	807.40	100.00%
120-130	0.00	0-130	807.40	100.00%
130-140	0.00	0-140	807.40	100.00%
140-150	0.00	0-150	807.40	100.00%
150-160	0.00	0-160	807.40	100.00%
160-170	0.00	0-170	807.40	100.00%
170-180	0.00	0-180	807.40	100.00%

4.2 Goniophotometer Test

Luminous Distribution Intensity Data

Table--1

UNIT: cd

C (DEG) y	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1431	1430	1431	1431	1431	1430	1430	1430	1431	1431	1431	1430	1431	1430	1431	1431	1430	1430	1430
5	1344	1341	1338	1336	1335	1334	1336	1334	1335	1336	1338	1341	1344	1341	1338	1336	1335	1334	1336
10	1138	1134	1134	1134	1134	1134	1135	1134	1134	1134	1134	1134	1138	1134	1134	1134	1134	1134	1135
15	880	877	878	879	880	880	881	880	880	879	878	877	880	877	878	879	880	880	881
20	643	643	643	643	643	643	644	643	643	643	643	643	643	643	643	643	643	643	644
25	476	475	476	478	478	477	476	477	478	478	476	475	476	475	476	478	478	477	476
30	359	357	357	359	361	360	359	360	361	359	357	357	359	357	357	359	361	360	359
35	257	256	256	256	257	257	256	257	257	256	256	256	257	256	256	256	257	257	256
40	153	153	153	153	155	155	155	155	155	153	153	153	153	153	153	153	155	155	155
45	47.9	48.1	48.8	49.6	51.1	52.5	51.8	52.5	51.1	49.6	48.8	48.1	47.9	48.1	48.8	49.6	51.1	52.5	51.8
50	18.2	18.0	18.2	18.6	18.8	18.7	18.5	18.7	18.8	18.6	18.2	18.0	18.2	18.0	18.2	18.6	18.8	18.7	18.5
55	13.0	12.9	13.0	13.3	13.6	13.4	13.6	13.6	13.3	13.0	12.9	13.0	12.9	13.0	13.3	13.6	13.6	13.4	13.4
60	7.36	7.23	7.35	7.55	7.77	7.74	7.65	7.74	7.77	7.55	7.35	7.23	7.36	7.23	7.35	7.55	7.77	7.74	7.65
65	3.44	3.39	3.50	3.63	3.74	3.64	3.55	3.64	3.74	3.63	3.50	3.39	3.44	3.39	3.50	3.63	3.74	3.64	3.55
70	2.01	1.98	2.03	2.09	2.12	2.08	2.02	2.08	2.12	2.09	2.03	1.98	2.01	1.98	2.03	2.09	2.12	2.08	2.02
75	1.06	1.02	1.05	1.09	1.09	1.08	1.06	1.08	1.09	1.09	1.05	1.02	1.06	1.02	1.05	1.09	1.09	1.08	1.06
80	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03
85	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	0.01	0.01	0.01
90	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	0.00	0.00	0.00
95	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	0.00	0.00	0.00
100	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	0.00	0.00	0.00
105	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	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	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	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	0.00	0.00	0.00
125	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	0.00	0.00	0.00
130	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	0.00	0.00	0.00
135	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	0.00	0.00	0.00
140	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	0.00	0.00	0.00
145	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	0.00	0.00	0.00
150	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	0.00	0.00	0.00
155	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	0.00	0.00	0.00
160	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	0.00	0.00	0.00
165	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	0.00	0.00	0.00
170	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	0.00	0.00	0.00
175	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	0.00	0.00	0.00
180	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	0.00	0.00	0.00

Table--2

UNIT: cd

C (DEG) y	285	300	315	330	345														
0	1430	1431	1431	1431	1430														
5	1334	1335	1336	1338	1341														
10	1134	1134	1134	1134	1134														
15	880	880	879	878	877														
20	643	643	643	643	643														
25	477	478	478	476	475														
30	360	361	359	357	357														
35	257	257	256	256	256														
40	155	155	153	153	153														
45	52.5	51.1	49.6	48.8	48.1														
50	18.7	18.8	18.6	18.2	18.0														
55	13.6	13.6	13.3	13.0	12.9														
60	7.74	7.77	7.55	7.35	7.23														
65	3.64	3.74	3.63	3.50	3.39														
70	2.08	2.12	2.09	2.03	1.98														
75	1.08	1.09	1.09	1.05	1.02														
80	0.03	0.03	0.03	0.03	0.02														
85	0.01	0.01	0.01	0.01	0.01														
90	0.00	0.00	0.00	0.00	0.00														
95	0.00	0.00	0.00	0.00	0.00														
100	0.00	0.00	0.00	0.00	0.00														
105	0.00	0.00	0.00	0.00	0.00														
110	0.00	0.00	0.00	0.00	0.00														
115	0.00	0.00	0.00	0.00	0.00														
120	0.00	0.00	0.00	0.00	0.00														
125	0.00	0.00	0.00	0.00	0.00														
130	0.00	0.00	0.00	0.00	0.00														
135	0.00	0.00	0.00	0.00	0.00														
140	0.00	0.00	0.00	0.00	0.00														
145	0.00	0.00	0.00	0.00	0.00														
150	0.00	0.00	0.00	0.00	0.00														
155	0.00	0.00	0.00	0.00	0.00														
160	0.00	0.00	0.00	0.00	0.00														
165	0.00	0.00	0.00	0.00	0.00														
170	0.00	0.00	0.00	0.00	0.00														
175	0.00	0.00	0.00	0.00	0.00														
180	0.00	0.00	0.00	0.00	0.00														

4.0 LM-79 Measurement and Test Results

4.3 THD and PF Test

Model No.	PIVOTSB @4000K	Sample ID	250903028-S1
Temperature (°C)	25.4	Humidity (%RH)	41.0

Test Method
<p>The samples were tested according to the and ANSI C82.77: 2002 and ANSI C82.77-10:2020</p> <p>The total harmonic distortion shall be measured to the 40th order.</p> <p>The ambient temperature shall be maintained at $25 \pm 1^\circ\text{C}$. The sample measurements were made using a digital power meter and power supply. The sample was operated at rated voltage and was stabilized before measurement. The total harmonic distortion was calculated.</p>

Test Results

Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor	iTHD(%)
120.0	60	0.069	7.9	0.958	14.11

5.0 Equipment List:

Equipment ID	Equipment Name	Last Cal.	Due Cal.
NTC-F01-001	Goniophotometer System	2025-11-06	2026-11-05
NTC-F01-006	2.0 meter Integrating Sphere	2025-11-06	2026-11-05
NTC-F01-012	Standard Lamp	2025-10-27	2026-10-26
NTC-F01-013	Standard Lamp	2025-10-27	2026-10-26
NTC-F01-031	Digital Power Meter	2025-08-04	2026-08-03
NTC-F01-019	Temperature & Humidity Meter	2025-10-23	2026-10-22

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