

Photometric Test Report

Relevant Standards

- ☒ ANSI/IES LM-79-2019
- ☒ ANSI C82.77-2017

Prepared For

RAB Lighting Inc.

Address: 408 W 14th St New York, NY 10014

Prepared By

Dongguan New Testing Centre Co., Ltd.

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

Prepare by:

Alan Wang

Engineer: Alan Wang

Date: 2025-09-19

Review by:

Vincent Yuan

Technical Lead: Vincent Yuan

Issue Date: 2025-09-19

Revised Date: N/A

1.0 Test Summary

DLC Technical Requirements V6.0

Track or Mono-Point Directional Luminaires					
Requirement Category		Test Method	Requirements		Test Value
Luminaire Output (lm) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	250		1298
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Standard	Premium	87.7
			95	110	
Power (Input Wattage) (W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Case		14.8
Total Harmonic Distortion (A%) (THD & PF – Section 4.3)		ANSI C82.77:2002 ANSI C82-77-10:2020	20.00%	120V	9.82
Power Factor (THD & PF – Section 4.3)		ANSI C82.77:2002 ANSI C82-77-10:2020	0.9	120V	0.972
Allowable CCTs* (K) (Integrating Sphere – Section 4.1)		ANSI/IES LM-79:2019	7 steps	2725±145	2761
			4 steps	2725±83	
Minimum CRI (Integrating Sphere – Section 4.1)		ANSI/IES LM-79:2019 CIE13.3-1995	≥80		96.0
Minimum R9 (Integrating Sphere – Section 4.1)		ANSI/IES LM-79-2019 CIE13.3-1995	≥0		70
Minimum Rf (Integrating Sphere – Section 4.1)		ANSI/IES TM-30-18	≥70		93
Minimum Rg (Integrating Sphere – Section 4.1)		ANSI/IES TM-30-18	≥89		97
IES Rcs,h1 (Integrating Sphere – Section 4.1)		ANSI/IES TM-30-18	-12%≤IES Rcs,h1≤+23%		-3%
Zonal Lumen Requirement (0°-90°) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	≥85%		100.0%
Input Voltage (V)					
(Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Cast		120.0
(Goniophotometer – Section 4.2)			Non-Worst Case		N/A
Input Current (A)					
(Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Case		0.127
(Goniophotometer – Section 4.2)			Non-Worst Case		N/A
Power (Input Wattage – W)					
(Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Case		14.8
(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	2025-09-17	PIVOTL24DB @15W2700K	-	250903022-S1
2	Goniophotometer Test	2025-09-17	PIVOTL24DB @15W2700K	-	250903022-S1
3	THD and PF Test	2025-09-17	PIVOTL24DB @15W2700K	-	250903022-S1

Remark (If any):

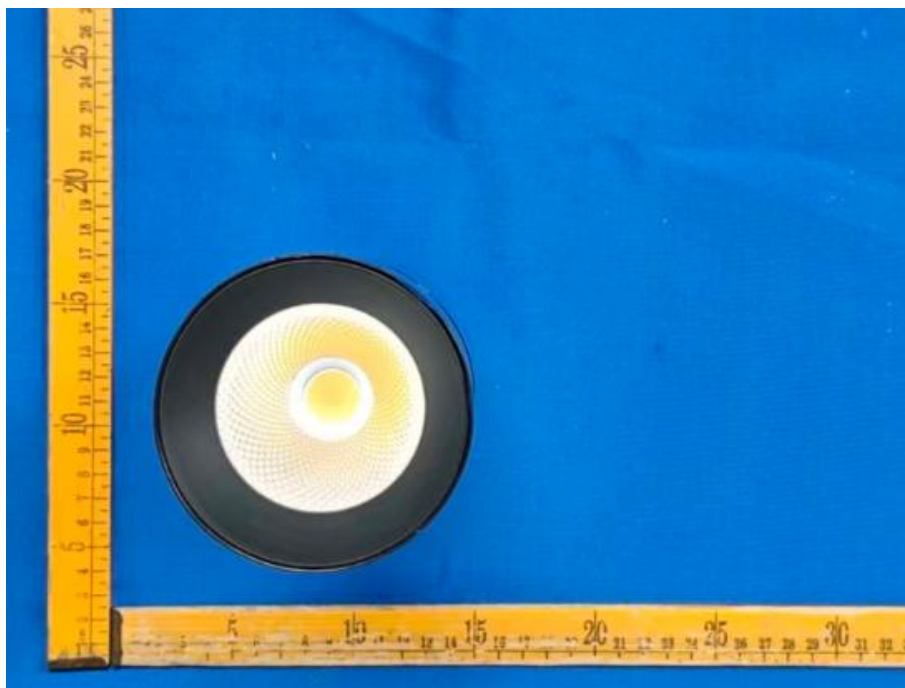
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3. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the U.S. Government.

3.0 Product Description

Luminaire Description: Model No. PIVOTL24DB @15W2700K, color tunable from 2700K, 3000K, 3500K, 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.	PIVOTL24DB @15W2700K	Sample ID	250903022-S1
Operate time (Min.)	10	Stabilization time (Min.)	60
Temperature (°C)	25.4	Humidity (%RH)	41.0

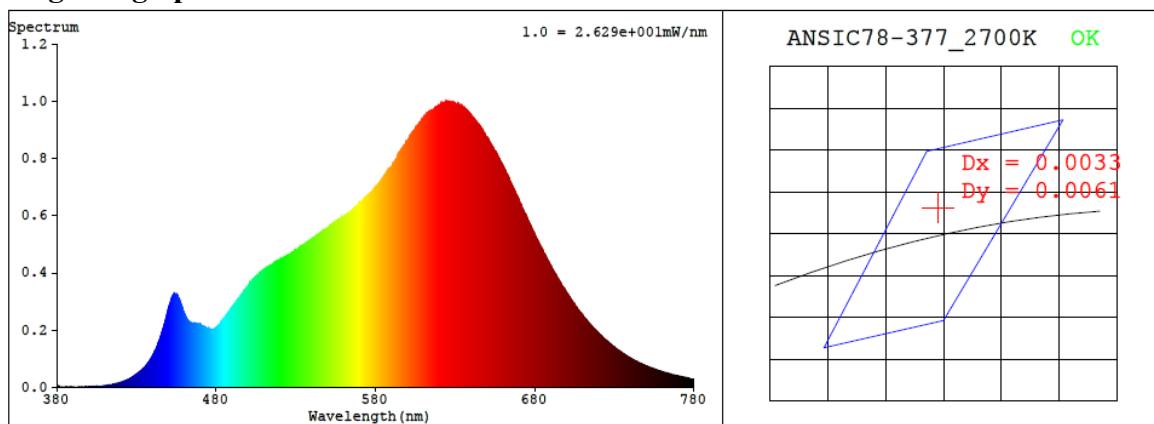
Test Method
<p>The Samples were tested according to the ANSI/IES LM-79:2019.</p> <p>Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at 25±1°C.</p> <p>The sample measurements were made 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	0.127	14.8	0.972

CCT (K)	CRI	R9	Duv	SDCM	Rf	Rg	IES Rcs,h1
2761	96.0	70	0.0020	2.2	93	97	-3%

4.1 Integrating Sphere Test



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4582$ $y = 0.4155$ / $u' = 0.2593$ $v' = 0.5290$ ($duv=1.95e-03$)

CCT= 2761K Prcp WL: $L_d=583.3nm$ Purity=62.3%

Peak WL: $L_p=624nm$ FWHM: $=146.9nm$ Ratio:R=26.4% G=70.9% B=2.7%

Render Index: $R_a = 96.0$ AvgR = 94.1 TM30:Rf=93 Rg=97

EEL: 0.16691 A+

R1 =97 R2 =99 R3 =100 R4 =97 R5 =97 R6 =98 R7 =94

R8 =87 R9 =70 R10=97 R11=99 R12=89 R13=98 R14=99 R15=92

4.1 Integrating Sphere Test

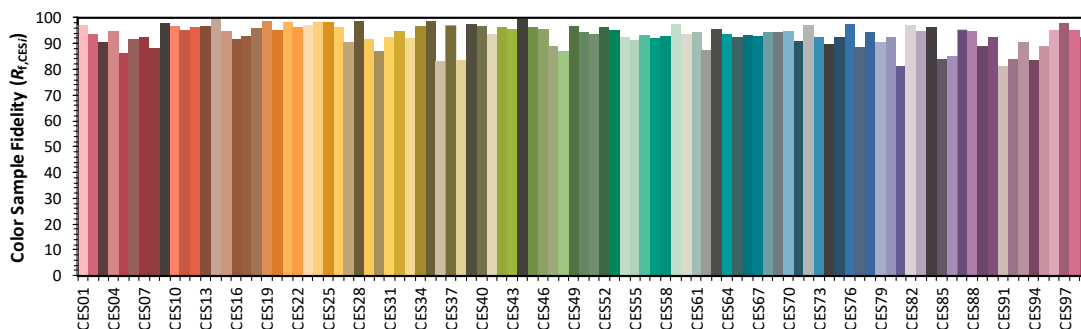
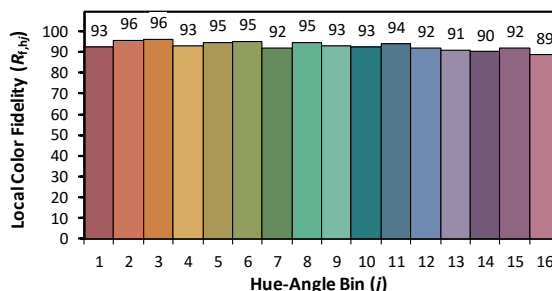
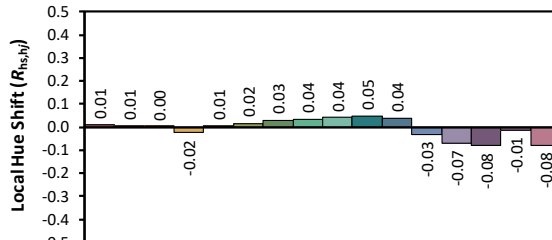
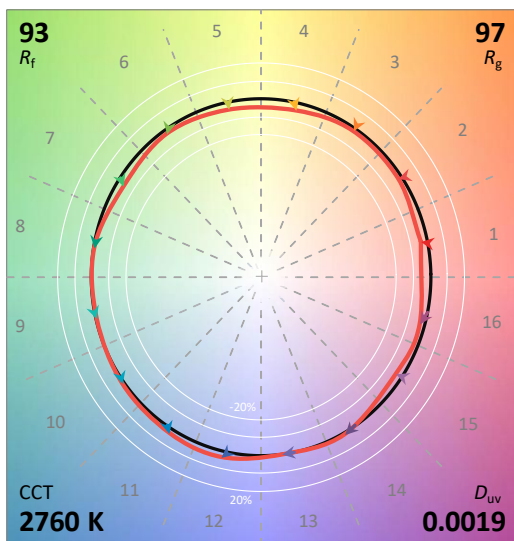
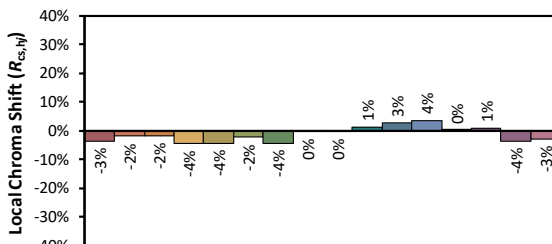
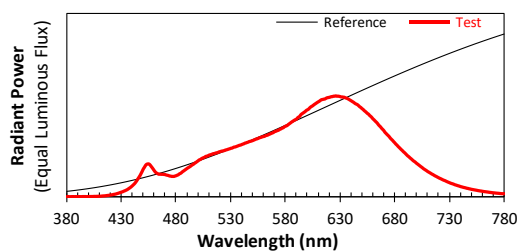
ANSI/IES TM-30-18 Color Rendition Report

Source: 1 CIE F1

Manufacturer: RAB Lighting Inc.

Date: 2025/9/19

Model: PIVOTL24DB @15W2700K



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

x 0.4583
 y 0.4155
 u' 0.2593
 v' 0.5290

CIE 13.3-1995
(CRI)
 R_a 96
 R_g 71

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	0.00E+00	447	2.11E-04	514	4.27E-04	581	7.03E-04	648	8.91E-04	715	2.20E-04
381	2.80E-06	448	2.32E-04	515	4.29E-04	582	7.10E-04	649	8.84E-04	716	2.13E-04
382	7.00E-07	449	2.53E-04	516	4.33E-04	583	7.19E-04	650	8.74E-04	717	2.06E-04
383	8.00E-07	450	2.76E-04	517	4.36E-04	584	7.27E-04	651	8.66E-04	718	2.01E-04
384	1.00E-06	451	2.92E-04	518	4.38E-04	585	7.35E-04	652	8.54E-04	719	1.95E-04
385	1.50E-06	452	3.11E-04	519	4.44E-04	586	7.43E-04	653	8.46E-04	720	1.89E-04
386	1.60E-06	453	3.22E-04	520	4.47E-04	587	7.50E-04	654	8.36E-04	721	1.84E-04
387	1.00E-06	454	3.25E-04	521	4.50E-04	588	7.57E-04	655	8.26E-04	722	1.79E-04
388	1.70E-06	455	3.25E-04	522	4.53E-04	589	7.64E-04	656	8.18E-04	723	1.74E-04
389	9.00E-07	456	3.17E-04	523	4.55E-04	590	7.68E-04	657	8.06E-04	724	1.68E-04
390	1.30E-06	457	3.03E-04	524	4.58E-04	591	7.81E-04	658	7.97E-04	725	1.63E-04
391	1.50E-06	458	2.89E-04	525	4.63E-04	592	7.90E-04	659	7.86E-04	726	1.59E-04
392	1.50E-06	459	2.74E-04	526	4.65E-04	593	7.97E-04	660	7.72E-04	727	1.54E-04
393	1.00E-06	460	2.58E-04	527	4.69E-04	594	8.12E-04	661	7.63E-04	728	1.49E-04
394	1.70E-06	461	2.45E-04	528	4.73E-04	595	8.21E-04	662	7.51E-04	729	1.44E-04
395	2.00E-06	462	2.35E-04	529	4.75E-04	596	8.29E-04	663	7.41E-04	730	1.40E-04
396	1.80E-06	463	2.30E-04	530	4.80E-04	597	8.37E-04	664	7.30E-04	731	1.35E-04
397	2.00E-06	464	2.24E-04	531	4.82E-04	598	8.44E-04	665	7.15E-04	732	1.31E-04
398	1.10E-06	465	2.24E-04	532	4.87E-04	599	8.55E-04	666	7.03E-04	733	1.28E-04
399	1.80E-06	466	2.23E-04	533	4.92E-04	600	8.61E-04	667	6.92E-04	734	1.24E-04
400	2.70E-06	467	2.23E-04	534	4.94E-04	601	8.67E-04	668	6.78E-04	735	1.19E-04
401	2.20E-06	468	2.23E-04	535	4.98E-04	602	8.79E-04	669	6.67E-04	736	1.16E-04
402	2.40E-06	469	2.21E-04	536	5.02E-04	603	8.89E-04	670	6.55E-04	737	1.12E-04
403	2.60E-06	470	2.20E-04	537	5.06E-04	604	8.96E-04	671	6.39E-04	738	1.09E-04
404	2.70E-06	471	2.15E-04	538	5.10E-04	605	9.03E-04	672	6.28E-04	739	1.06E-04
405	3.70E-06	472	2.13E-04	539	5.13E-04	606	9.11E-04	673	6.17E-04	740	1.02E-04
406	3.50E-06	473	2.11E-04	540	5.17E-04	607	9.19E-04	674	6.06E-04	741	9.87E-05
407	4.00E-06	474	2.06E-04	541	5.22E-04	608	9.26E-04	675	5.95E-04	742	9.58E-05
408	4.30E-06	475	2.05E-04	542	5.25E-04	609	9.34E-04	676	5.80E-04	743	9.26E-05
409	5.30E-06	476	2.02E-04	543	5.32E-04	610	9.41E-04	677	5.69E-04	744	9.05E-05
410	5.60E-06	477	2.02E-04	544	5.34E-04	611	9.47E-04	678	5.59E-04	745	8.75E-05
411	5.80E-06	478	2.02E-04	545	5.39E-04	612	9.55E-04	679	5.46E-04	746	8.43E-05
412	7.00E-06	479	2.06E-04	546	5.42E-04	613	9.62E-04	680	5.35E-04	747	8.24E-05
413	8.00E-06	480	2.09E-04	547	5.47E-04	614	9.64E-04	681	5.22E-04	748	7.93E-05
414	8.80E-06	481	2.14E-04	548	5.50E-04	615	9.67E-04	682	5.12E-04	749	7.72E-05
415	9.50E-06	482	2.18E-04	549	5.53E-04	616	9.68E-04	683	4.99E-04	750	7.42E-05
416	1.12E-05	483	2.27E-04	550	5.57E-04	617	9.75E-04	684	4.89E-04	751	7.22E-05
417	1.26E-05	484	2.32E-04	551	5.61E-04	618	9.80E-04	685	4.78E-04	752	7.01E-05
418	1.39E-05	485	2.40E-04	552	5.66E-04	619	9.83E-04	686	4.67E-04	753	6.81E-05
419	1.53E-05	486	2.50E-04	553	5.71E-04	620	9.85E-04	687	4.57E-04	754	6.62E-05
420	1.74E-05	487	2.57E-04	554	5.74E-04	621	9.88E-04	688	4.45E-04	755	6.41E-05
421	1.90E-05	488	2.65E-04	555	5.78E-04	622	9.92E-04	689	4.37E-04	756	6.17E-05
422	2.10E-05	489	2.73E-04	556	5.83E-04	623	9.93E-04	690	4.25E-04	757	5.99E-05
423	2.35E-05	490	2.81E-04	557	5.87E-04	624	9.97E-04	691	4.14E-04	758	5.79E-05
424	2.55E-05	491	2.88E-04	558	5.90E-04	625	9.97E-04	692	4.04E-04	759	5.67E-05
425	2.80E-05	492	2.95E-04	559	5.95E-04	626	1.00E-03	693	3.96E-04	760	5.46E-05
426	3.15E-05	493	3.01E-04	560	5.97E-04	627	9.97E-04	694	3.85E-04	761	5.28E-05
427	3.47E-05	494	3.10E-04	561	6.00E-04	628	9.97E-04	695	3.76E-04	762	5.11E-05
428	3.83E-05	495	3.17E-04	562	6.06E-04	629	9.95E-04	696	3.67E-04	763	4.98E-05
429	4.25E-05	496	3.24E-04	563	6.09E-04	630	9.93E-04	697	3.57E-04	764	4.82E-05
430	4.63E-05	497	3.33E-04	564	6.13E-04	631	9.89E-04	698	3.49E-04	765	4.69E-05
431	4.95E-05	498	3.39E-04	565	6.18E-04	632	9.89E-04	699	3.41E-04	766	4.51E-05
432	5.49E-05	499	3.48E-04	566	6.23E-04	633	9.87E-04	700	3.31E-04	767	4.35E-05
433	5.90E-05	500	3.55E-04	567	6.28E-04	634	9.86E-04	701	3.23E-04	768	4.24E-05
434	6.41E-05	501	3.65E-04	568	6.32E-04	635	9.80E-04	702	3.15E-04	769	4.08E-05
435	6.93E-05	502	3.69E-04	569	6.37E-04	636	9.76E-04	703	3.06E-04	770	3.95E-05
436	7.61E-05	503	3.76E-04	570	6.45E-04	637	9.71E-04	704	2.98E-04	771	3.85E-05
437	8.38E-05	504	3.82E-04	571	6.48E-04	638	9.65E-04	705	2.90E-04	772	3.71E-05
438	9.11E-05	505	3.87E-04	572	6.53E-04	639	9.58E-04	706	2.81E-04	773	3.59E-05
439	9.99E-05	506	3.92E-04	573	6.57E-04	640	9.52E-04	707	2.73E-04	774	3.50E-05
440	1.10E-04	507	3.99E-04	574	6.62E-04	641	9.45E-04	708	2.66E-04	775	3.41E-05
441	1.20E-04	508	4.02E-04	575	6.69E-04	642	9.38E-04	709	2.59E-04	776	3.28E-05
442	1.31E-04	509	4.05E-04	576	6.73E-04	643	9.30E-04	710	2.51E-04	777	3.16E-05
443	1.44E-04	510	4.12E-04	577	6.81E-04	644	9.22E-04	711	2.45E-04	778	3.05E-05
444	1.60E-04	511	4.15E-04	578	6.84E-04	645	9.17E-04	712	2.38E-04	779	3.05E-05
445	1.77E-04	512	4.18E-04	579	6.93E-04	646	9.11E-04	713	2.32E-04	780	3.06E-05
446	1.94E-04	513	4.23E-04	580	6.99E-04	647	9.02E-04	714	2.25E-04	N/A	N/A

4.0 LM-79 Measurement and Test Results

4.2 Goniophotometer Test

Model No.	PIVOTL24DB @15W2700K	Sample ID	250903022-S1
Operate time (Min.)	30	Stabilization time (Min.)	60
Temperature (°C)	25.0	Humidity (%RH)	40.8

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	0.127	14.8	0.972
NON-WORST CASE	N/A	N/A	N/A	N/A	N/A

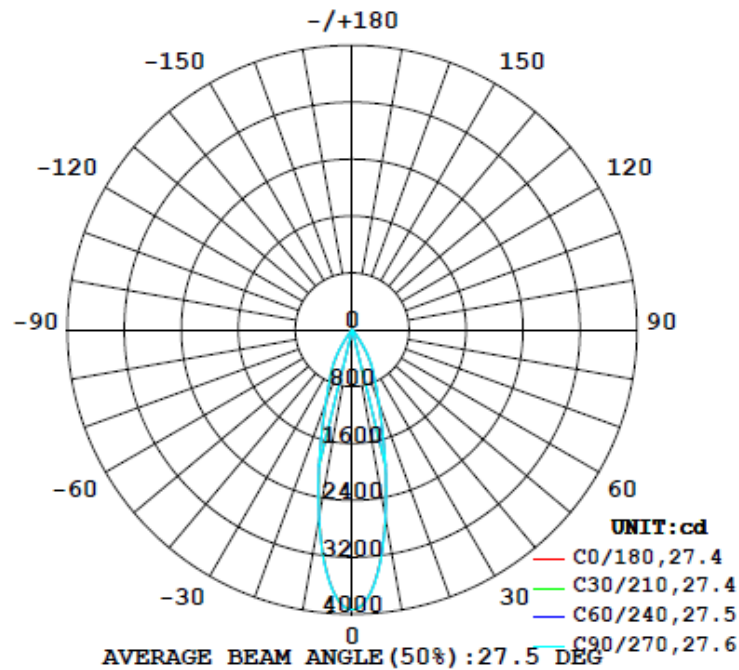
Test Result

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°)
1298	62.7	63.9	27.4	27.6	87.7	100.0%

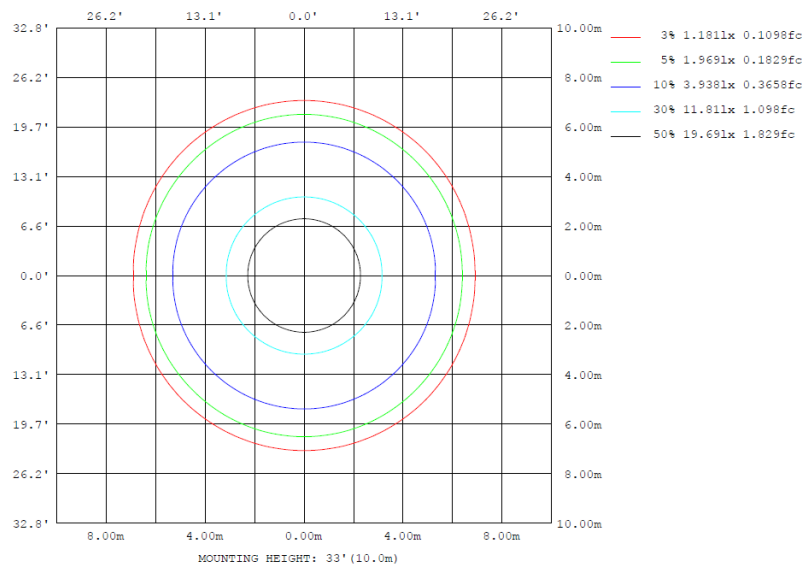
4.2 Goniophotometer Test

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	2673	2685	2695	2685	2673	2685	2695	2685	0- 10	312.6	312.6	24.1, 24.1
20	1054	1077	1087	1077	1054	1077	1087	1077	10- 20	484.0	796.6	61.4, 61.4
30	473.3	486.7	497.6	486.7	473.3	486.7	497.6	486.7	20- 30	337.9	1135	87.4, 87.4
40	33.42	33.63	35.36	33.63	33.42	33.63	35.36	33.63	30- 40	138.9	1273	98.1, 98.1
50	11.35	11.60	11.94	11.60	11.35	11.60	11.94	11.60	40- 50	14.18	1288	99.2, 99.2
60	5.025	5.264	5.569	5.264	5.025	5.264	5.569	5.264	50- 60	7.767	1295	99.8, 99.8
70	0.6997	0.7737	0.9141	0.7737	0.6997	0.7737	0.9141	0.7737	60- 70	2.520	1298	100, 100
80	0.0293	0.0280	0.0296	0.0280	0.0293	0.0280	0.0296	0.0280	70- 80	0.1687	1298	100, 100
90	0	0	0	0	0	0	0	0	80- 90	0.0165	1298	100, 100
100	0	0	0	0	0	0	0	0	90-100	0	1298	100, 100
110	0	0	0	0	0	0	0	0	100-110	0	1298	100, 100
120	0	0	0	0	0	0	0	0	110-120	0	1298	100, 100
130	0	0	0	0	0	0	0	0	120-130	0	1298	100, 100
140	0	0	0	0	0	0	0	0	130-140	0	1298	100, 100
150	0	0	0	0	0	0	0	0	140-150	0	1298	100, 100
160	0	0	0	0	0	0	0	0	150-160	0	1298	100, 100
170	0	0	0	0	0	0	0	0	160-170	0	1298	100, 100
180	0	0	0	0	0	0	0	0	170-180	0	1298	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Zonal (lm)		Total (lm)		Percent
0-10	312.62	0-10	312.62	24.08%
10-20	483.99	0-20	796.61	61.37%
20-30	337.92	0-30	1134.53	87.40%
30-40	138.88	0-40	1273.41	98.10%
40-50	14.18	0-50	1287.59	99.19%
50-60	7.77	0-60	1295.36	99.79%
60-70	2.52	0-70	1297.88	99.99%
70-80	0.17	0-80	1298.05	100.00%
80-90	0.02	0-90	1298.07	100.00%
90-100	0.00	0-100	1298.07	100.00%
100-110	0.00	0-110	1298.07	100.00%
110-120	0.00	0-120	1298.07	100.00%
120-130	0.00	0-130	1298.07	100.00%
130-140	0.00	0-140	1298.07	100.00%
140-150	0.00	0-150	1298.07	100.00%
150-160	0.00	0-160	1298.07	100.00%
160-170	0.00	0-170	1298.07	100.00%
170-180	0.00	0-180	1298.07	100.00%

4.2 Goniophotometer Test

Luminous Distribution Intensity Data

Table--1

UNIT: cd

C (DEG) y (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	3938	3937	3938	3938	3939	3936	3936	3936	3939	3938	3938	3937	3938	3937	3938	3938	3939	3936	3936
5	3576	3578	3578	3579	3581	3585	3589	3585	3581	3579	3578	3578	3576	3578	3578	3579	3581	3585	3589
10	2673	2677	2682	2685	2690	2692	2695	2692	2690	2685	2682	2677	2673	2677	2682	2685	2690	2692	2695
15	1742	1744	1747	1753	1753	1757	1759	1757	1753	1753	1747	1744	1742	1744	1747	1753	1753	1757	1759
20	1054	1065	1073	1077	1082	1085	1087	1085	1082	1077	1073	1065	1054	1065	1073	1077	1082	1085	1087
25	713	720	727	732	736	740	742	740	736	732	727	720	713	720	727	732	736	740	742
30	473	479	483	487	491	496	498	496	491	487	483	479	473	479	483	487	491	496	498
35	190	198	209	219	224	228	230	228	224	219	209	198	190	198	209	219	224	228	230
40	33.4	33.6	33.6	33.6	34.6	35.3	35.4	35.3	34.6	33.6	33.6	33.6	33.4	33.6	33.6	33.6	34.6	35.3	35.4
45	15.3	15.4	15.6	15.7	15.8	16.0	16.2	16.0	15.8	15.7	15.6	15.4	15.3	15.4	15.6	15.7	15.8	16.0	16.2
50	11.4	11.4	11.5	11.6	11.7	11.8	11.9	11.8	11.7	11.6	11.5	11.4	11.4	11.4	11.5	11.6	11.7	11.8	11.9
55	8.55	8.66	8.81	8.95	9.05	9.15	9.31	9.15	9.05	8.95	8.81	8.66	8.55	8.66	8.81	8.95	9.05	9.15	9.31
60	5.03	5.11	5.15	5.26	5.37	5.44	5.57	5.44	5.37	5.26	5.15	5.11	5.03	5.11	5.15	5.26	5.37	5.44	5.57
65	2.17	2.23	2.28	2.29	2.37	2.45	2.52	2.45	2.37	2.29	2.28	2.23	2.17	2.23	2.28	2.29	2.37	2.45	2.52
70	0.70	0.69	0.72	0.77	0.81	0.85	0.91	0.85	0.81	0.77	0.72	0.69	0.70	0.69	0.72	0.77	0.81	0.85	0.91
75	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06
80	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
85	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02
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 (DEG)	285	300	315	330	345														
0	3936	3939	3938	3938	3937														
5	3585	3581	3579	3578	3578														
10	2692	2690	2685	2682	2677														
15	1757	1753	1753	1747	1744														
20	1085	1082	1077	1073	1065														
25	740	736	732	727	720														
30	496	491	487	483	479														
35	228	224	219	209	198														
40	35.3	34.6	33.6	33.6	33.6														
45	16.0	15.8	15.7	15.6	15.4														
50	11.8	11.7	11.6	11.5	11.4														
55	9.15	9.05	8.95	8.81	8.66														
60	5.44	5.37	5.26	5.15	5.11														
65	2.45	2.37	2.29	2.28	2.23														
70	0.85	0.81	0.77	0.72	0.69														
75	0.05	0.05	0.05	0.05	0.05														
80	0.03	0.03	0.03	0.03	0.03														
85	0.02	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.	PIVOTL24DB @15W2700K	Sample ID	250903022-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±1°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	0.127	14.8	0.972	9.82

5.0 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	2025-08-04	2026-08-03
NTC-F01-019	Temperature & Humidity Meter	2024-10-29	2025-10-28

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