

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		913
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Standard	Premium	91.3
			95	110	
Power (Input Wattage) (W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Case		10.0
Total Harmonic Distortion (A%) (THD & PF – Section 4.3)		ANSI C82.77:2002 ANSI C82-77-10:2020	20.00%	120V	13.33
Power Factor (THD & PF – Section 4.3)		ANSI C82.77:2002 ANSI C82-77-10:2020	0.9	120V	0.945
Allowable CCTs* (K) (Integrating Sphere – Section 4.1)		ANSI/IES LM-79:2019	7 steps	2725±145	2763
			4 steps	2725±83	
Minimum CRI (Integrating Sphere – Section 4.1)		ANSI/IES LM-79:2019 CIE13.3-1995	≥80		96.2
Minimum R9 (Integrating Sphere – Section 4.1)		ANSI/IES LM-79-2019 CIE13.3-1995	≥0		72
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		0.088
(Goniophotometer – Section 4.2)			Non-Worst Case		N/A
Power (Input Wattage – W)					
(Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Case		10.0
(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 @10W2700K	-	250903022-S1
2	Goniophotometer Test	2025-09-17	PIVOTL24DB @10W2700K	-	250903022-S1
3	THD and PF Test	2025-09-17	PIVOTL24DB @10W2700K	-	250903022-S1

Remark (If any):

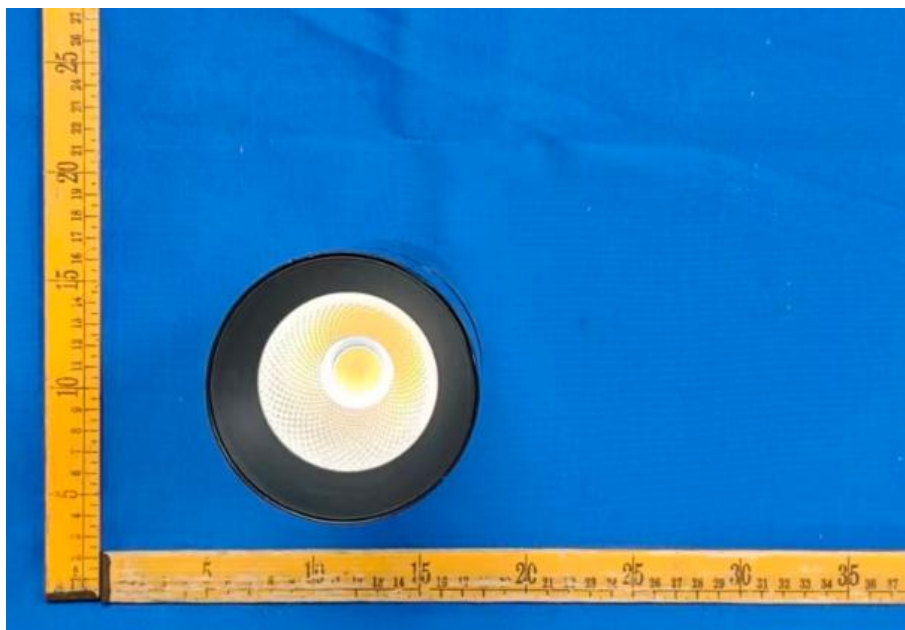
1. The results contained in this report pertain only to the tested samples.
2. This report shall not be reproduced, no limited part or full, without approval of Dongguan New Testing Centre Co., Ltd.
3. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the U.S. Government.

3.0 Product Description

Luminaire Description: Model No. PIVOTL24DB @10W2700K, 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 @10W2700K	Sample ID	250903022-S1
Operate time (Min.)	10	Stabilization time (Min.)	60
Temperature (°C)	25.4	Humidity (%RH)	41.0

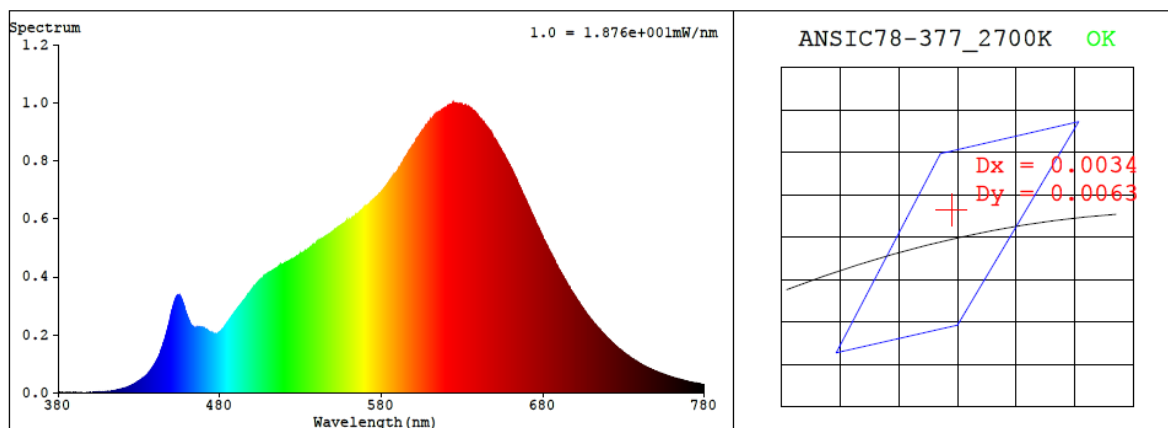
Test Method
<p>The Samples were tested according to the ANSI/IES LM-79:2019.</p> <p>Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at 25±1°C.</p> <p>The sample measurements were made 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	0.088	10.0	0.945

CCT (K)	CRI	R9	Duv	SDCM	Rf	Rg	IES Rcs,h1
2763	96.2	72	0.0020	2.3	93	97	-3%

4.1 Integrating Sphere Test



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4582$ $y = 0.4157$ / $u' = 0.2592$ $v' = 0.5290$ ($duv=2.02e-03$)

CCT= 2763K Prcp WL: $L_d=583.3nm$ Purity=62.3%

Peak WL: $L_p=624nm$ FWHM: $=146.9nm$ Ratio: $R=26.4\%$ $G=70.8\%$ $B=2.8\%$

Render Index: $R_a = 96.2$ $AvgR = 94.4$ $TM30:R_f=93$ $R_g=97$

EEL: 0.14919 A+

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

R8 =87 R9 =72 R10=97 R11=99 R12=89 R13=98 R14=99 R15=93

4.1 Integrating Sphere Test

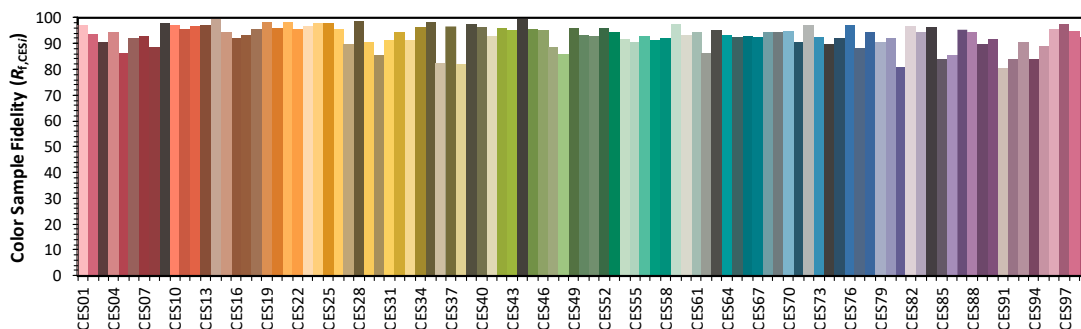
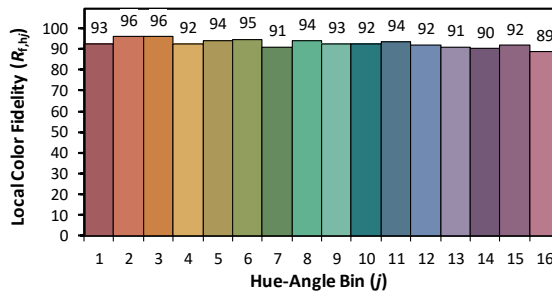
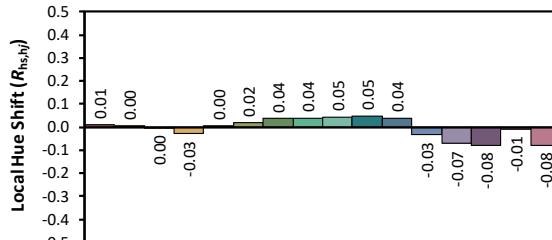
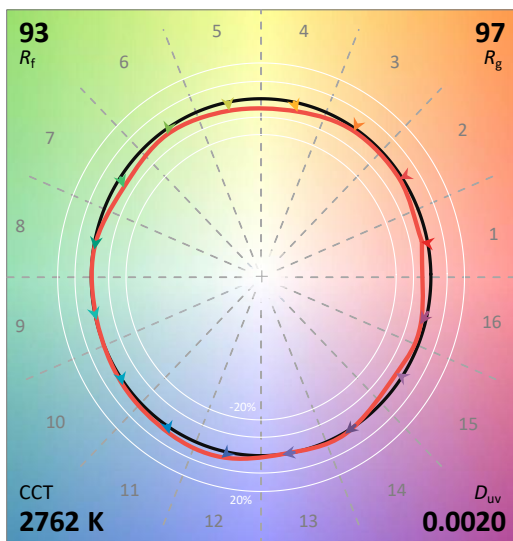
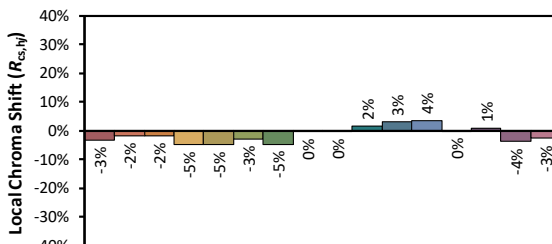
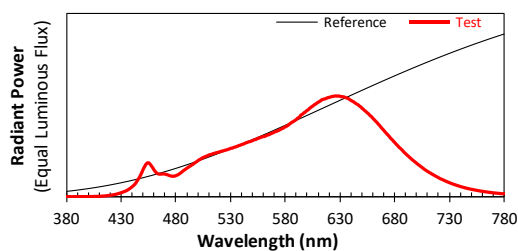
ANSI/IES TM-30-18 Color Rendition Report

Source: 1 CIE F1

Manufacturer: RAB Lighting Inc.

Date: 2025/9/19

Model: PIVOTL24DB @10W2700K



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

x 0.4582
 y 0.4156
 u' 0.2592
 v' 0.5290

CIE 13.3-1995
(CRI)
 R_a 96
 R_g 72

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	1.30E-06	447	2.05E-04	514	4.27E-04	581	6.98E-04	648	8.95E-04	715	2.19E-04
381	1.70E-06	448	2.27E-04	515	4.30E-04	582	7.04E-04	649	8.89E-04	716	2.13E-04
382	1.20E-06	449	2.50E-04	516	4.33E-04	583	7.13E-04	650	8.76E-04	717	2.07E-04
383	9.00E-07	450	2.75E-04	517	4.36E-04	584	7.21E-04	651	8.68E-04	718	2.00E-04
384	9.00E-07	451	2.95E-04	518	4.38E-04	585	7.30E-04	652	8.57E-04	719	1.95E-04
385	3.00E-07	452	3.15E-04	519	4.43E-04	586	7.37E-04	653	8.49E-04	720	1.89E-04
386	1.30E-06	453	3.28E-04	520	4.45E-04	587	7.43E-04	654	8.39E-04	721	1.82E-04
387	9.00E-07	454	3.36E-04	521	4.49E-04	588	7.50E-04	655	8.29E-04	722	1.77E-04
388	1.70E-06	455	3.35E-04	522	4.52E-04	589	7.57E-04	656	8.21E-04	723	1.73E-04
389	9.00E-07	456	3.25E-04	523	4.54E-04	590	7.65E-04	657	8.08E-04	724	1.68E-04
390	0.00E+00	457	3.11E-04	524	4.58E-04	591	7.76E-04	658	7.99E-04	725	1.63E-04
391	1.60E-06	458	2.96E-04	525	4.61E-04	592	7.83E-04	659	7.89E-04	726	1.58E-04
392	1.40E-06	459	2.80E-04	526	4.64E-04	593	7.91E-04	660	7.76E-04	727	1.52E-04
393	1.20E-06	460	2.62E-04	527	4.67E-04	594	8.07E-04	661	7.66E-04	728	1.49E-04
394	1.60E-06	461	2.49E-04	528	4.71E-04	595	8.14E-04	662	7.54E-04	729	1.43E-04
395	1.70E-06	462	2.36E-04	529	4.74E-04	596	8.21E-04	663	7.43E-04	730	1.39E-04
396	1.40E-06	463	2.30E-04	530	4.80E-04	597	8.31E-04	664	7.32E-04	731	1.35E-04
397	1.50E-06	464	2.25E-04	531	4.80E-04	598	8.37E-04	665	7.18E-04	732	1.31E-04
398	1.80E-06	465	2.24E-04	532	4.84E-04	599	8.49E-04	666	7.07E-04	733	1.27E-04
399	1.40E-06	466	2.24E-04	533	4.90E-04	600	8.56E-04	667	6.93E-04	734	1.22E-04
400	2.40E-06	467	2.25E-04	534	4.91E-04	601	8.62E-04	668	6.81E-04	735	1.19E-04
401	2.00E-06	468	2.26E-04	535	4.96E-04	602	8.74E-04	669	6.68E-04	736	1.16E-04
402	2.20E-06	469	2.26E-04	536	5.00E-04	603	8.82E-04	670	6.57E-04	737	1.11E-04
403	2.10E-06	470	2.24E-04	537	5.05E-04	604	8.91E-04	671	6.43E-04	738	1.09E-04
404	2.70E-06	471	2.20E-04	538	5.09E-04	605	8.98E-04	672	6.32E-04	739	1.05E-04
405	3.40E-06	472	2.18E-04	539	5.12E-04	606	9.07E-04	673	6.19E-04	740	1.01E-04
406	3.30E-06	473	2.13E-04	540	5.17E-04	607	9.15E-04	674	6.09E-04	741	9.85E-05
407	3.40E-06	474	2.09E-04	541	5.20E-04	608	9.20E-04	675	5.96E-04	742	9.49E-05
408	3.90E-06	475	2.06E-04	542	5.23E-04	609	9.30E-04	676	5.82E-04	743	9.24E-05
409	4.40E-06	476	2.03E-04	543	5.30E-04	610	9.35E-04	677	5.71E-04	744	8.93E-05
410	4.80E-06	477	2.04E-04	544	5.34E-04	611	9.43E-04	678	5.61E-04	745	8.66E-05
411	5.10E-06	478	2.03E-04	545	5.37E-04	612	9.48E-04	679	5.47E-04	746	8.36E-05
412	6.00E-06	479	2.06E-04	546	5.42E-04	613	9.58E-04	680	5.36E-04	747	8.14E-05
413	7.10E-06	480	2.10E-04	547	5.45E-04	614	9.63E-04	681	5.24E-04	748	7.91E-05
414	7.40E-06	481	2.15E-04	548	5.47E-04	615	9.65E-04	682	5.13E-04	749	7.63E-05
415	8.30E-06	482	2.20E-04	549	5.52E-04	616	9.68E-04	683	5.02E-04	750	7.42E-05
416	9.60E-06	483	2.28E-04	550	5.56E-04	617	9.73E-04	684	4.89E-04	751	7.21E-05
417	1.07E-05	484	2.35E-04	551	5.61E-04	618	9.77E-04	685	4.80E-04	752	6.96E-05
418	1.19E-05	485	2.43E-04	552	5.65E-04	619	9.81E-04	686	4.70E-04	753	6.77E-05
419	1.34E-05	486	2.53E-04	553	5.68E-04	620	9.83E-04	687	4.60E-04	754	6.57E-05
420	1.49E-05	487	2.61E-04	554	5.74E-04	621	9.87E-04	688	4.45E-04	755	6.34E-05
421	1.67E-05	488	2.68E-04	555	5.77E-04	622	9.89E-04	689	4.36E-04	756	6.15E-05
422	1.84E-05	489	2.76E-04	556	5.82E-04	623	9.93E-04	690	4.26E-04	757	5.92E-05
423	2.03E-05	490	2.83E-04	557	5.85E-04	624	9.95E-04	691	4.16E-04	758	5.74E-05
424	2.24E-05	491	2.91E-04	558	5.90E-04	625	9.96E-04	692	4.05E-04	759	5.58E-05
425	2.48E-05	492	2.98E-04	559	5.94E-04	626	9.98E-04	693	3.97E-04	760	5.40E-05
426	2.77E-05	493	3.05E-04	560	5.97E-04	627	9.96E-04	694	3.86E-04	761	5.22E-05
427	3.07E-05	494	3.12E-04	561	5.96E-04	628	9.96E-04	695	3.77E-04	762	5.09E-05
428	3.35E-05	495	3.20E-04	562	6.04E-04	629	9.97E-04	696	3.66E-04	763	4.91E-05
429	3.81E-05	496	3.26E-04	563	6.07E-04	630	9.94E-04	697	3.58E-04	764	4.75E-05
430	4.10E-05	497	3.35E-04	564	6.13E-04	631	9.90E-04	698	3.49E-04	765	4.62E-05
431	4.52E-05	498	3.42E-04	565	6.15E-04	632	9.92E-04	699	3.41E-04	766	4.43E-05
432	4.94E-05	499	3.49E-04	566	6.20E-04	633	9.88E-04	700	3.31E-04	767	4.35E-05
433	5.29E-05	500	3.58E-04	567	6.27E-04	634	9.87E-04	701	3.22E-04	768	4.19E-05
434	5.76E-05	501	3.66E-04	568	6.29E-04	635	9.81E-04	702	3.14E-04	769	4.07E-05
435	6.25E-05	502	3.70E-04	569	6.35E-04	636	9.78E-04	703	3.06E-04	770	3.89E-05
436	6.95E-05	503	3.78E-04	570	6.42E-04	637	9.73E-04	704	2.98E-04	771	3.76E-05
437	7.67E-05	504	3.84E-04	571	6.44E-04	638	9.68E-04	705	2.90E-04	772	3.68E-05
438	8.41E-05	505	3.90E-04	572	6.48E-04	639	9.60E-04	706	2.81E-04	773	3.57E-05
439	9.23E-05	506	3.93E-04	573	6.54E-04	640	9.54E-04	707	2.72E-04	774	3.44E-05
440	1.02E-04	507	3.99E-04	574	6.57E-04	641	9.47E-04	708	2.65E-04	775	3.38E-05
441	1.11E-04	508	4.03E-04	575	6.65E-04	642	9.42E-04	709	2.58E-04	776	3.24E-05
442	1.22E-04	509	4.07E-04	576	6.68E-04	643	9.34E-04	710	2.51E-04	777	3.13E-05
443	1.34E-04	510	4.13E-04	577	6.75E-04	644	9.26E-04	711	2.45E-04	778	3.03E-05
444	1.51E-04	511	4.16E-04	578	6.80E-04	645	9.19E-04	712	2.38E-04	779	3.02E-05
445	1.68E-04	512	4.19E-04	579	6.88E-04	646	9.13E-04	713	2.32E-04	780	3.03E-05
446	1.85E-04	513	4.23E-04	580	6.93E-04	647	9.05E-04	714	2.25E-04	N/A	N/A

4.0 LM-79 Measurement and Test Results

4.2 Goniophotometer Test

Model No.	PIVOTL24DB @10W2700K	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	0.088	10.0	0.945
NON-WORST CASE	N/A	N/A	N/A	N/A	N/A

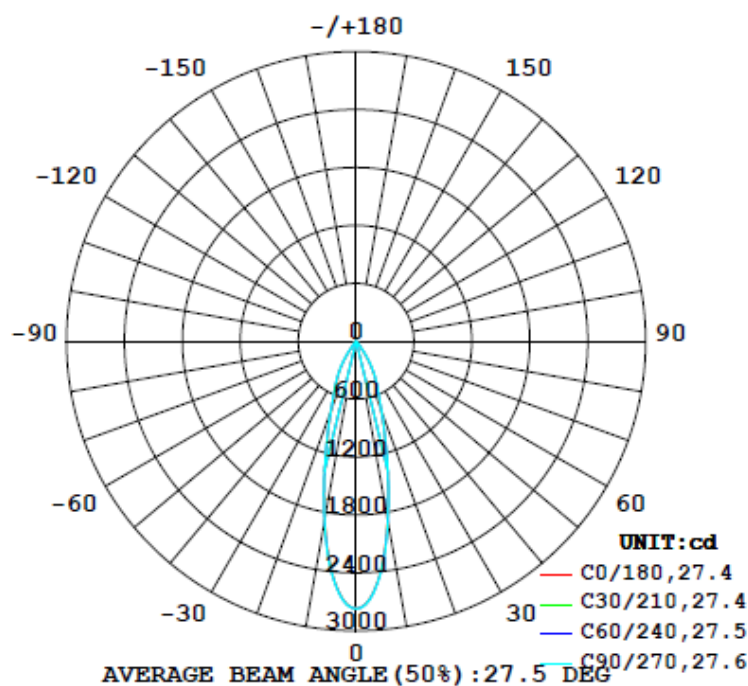
Test Result

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°)
913	62.7	63.8	27.4	27.6	91.3	100.0%

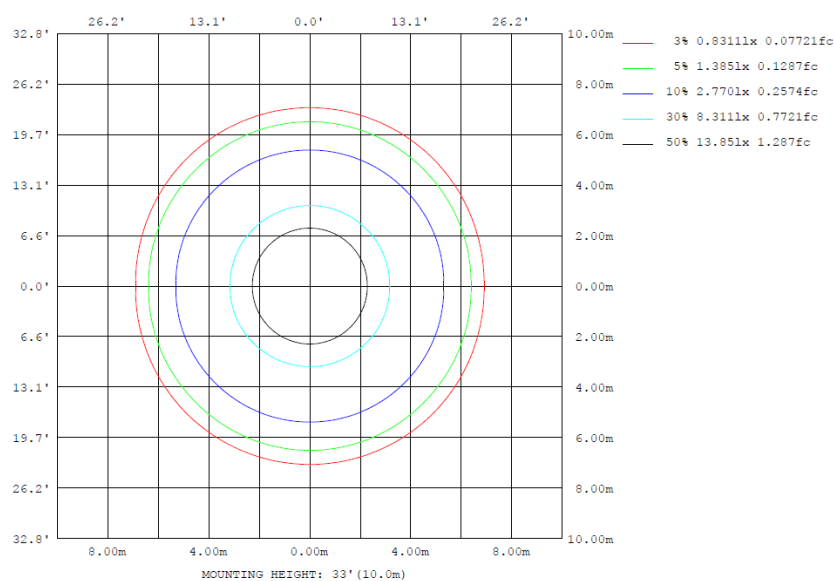
4.2 Goniophotometer Test

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	%lum, lamp
10	1880	1890	1898	1890	1880	1890	1898	1890	0- 10	219.9	219.9	24.1,24.1
20	743.9	760.0	767.0	760.0	743.9	760.0	767.0	760.0	10- 20	341.4	561.3	61.5,61.5
30	333.4	342.4	350.3	342.4	333.4	342.4	350.3	342.4	20- 30	237.6	798.9	87.5,87.5
40	23.50	23.71	24.91	23.71	23.50	23.71	24.91	23.71	30- 40	97.12	896.0	98.1,98.1
50	7.985	8.150	8.381	8.150	7.985	8.150	8.381	8.150	40- 50	9.994	906.0	99.2,99.2
60	3.534	3.701	3.920	3.701	3.534	3.701	3.920	3.701	50- 60	5.470	911.5	99.8,99.8
70	0.4922	0.5458	0.6439	0.5458	0.4922	0.5458	0.6439	0.5458	60- 70	1.774	913.2	100,100
80	0.0205	0.0205	0.0212	0.0205	0.0205	0.0205	0.0212	0.0205	70- 80	0.1188	913.4	100,100
90	0	0	0	0	0	0	0	0	80- 90	0.0118	913.4	100,100
100	0	0	0	0	0	0	0	0	90-100	0	913.4	100,100
110	0	0	0	0	0	0	0	0	100-110	0	913.4	100,100
120	0	0	0	0	0	0	0	0	110-120	0	913.4	100,100
130	0	0	0	0	0	0	0	0	120-130	0	913.4	100,100
140	0	0	0	0	0	0	0	0	130-140	0	913.4	100,100
150	0	0	0	0	0	0	0	0	140-150	0	913.4	100,100
160	0	0	0	0	0	0	0	0	150-160	0	913.4	100,100
170	0	0	0	0	0	0	0	0	160-170	0	913.4	100,100
180	0	0	0	0	0	0	0	0	170-180	0	913.4	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Zonal (lm)		Total (lm)		Percent
0-10	219.93	0-10	219.93	24.08%
10-20	341.40	0-20	561.33	61.46%
20-30	237.55	0-30	798.88	87.47%
30-40	97.12	0-40	896.00	98.10%
40-50	9.99	0-50	905.99	99.19%
50-60	5.47	0-60	911.46	99.79%
60-70	1.77	0-70	913.23	99.99%
70-80	0.12	0-80	913.35	100.00%
80-90	0.01	0-90	913.36	100.00%
90-100	0.00	0-100	913.36	100.00%
100-110	0.00	0-110	913.36	100.00%
110-120	0.00	0-120	913.36	100.00%
120-130	0.00	0-130	913.36	100.00%
130-140	0.00	0-140	913.36	100.00%
140-150	0.00	0-150	913.36	100.00%
150-160	0.00	0-160	913.36	100.00%
160-170	0.00	0-170	913.36	100.00%
170-180	0.00	0-180	913.36	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	2770	2770	2771	2771	2771	2771	2772	2771	2771	2771	2771	2770	2770	2771	2771	2771	2771	2771	2772
5	2514	2516	2516	2518	2521	2524	2526	2524	2521	2518	2516	2516	2514	2516	2516	2518	2521	2524	2526
10	1880	1881	1885	1890	1893	1896	1898	1896	1893	1890	1885	1881	1880	1881	1885	1890	1893	1896	1898
15	1225	1227	1230	1232	1235	1237	1240	1237	1235	1232	1230	1227	1225	1227	1230	1232	1235	1237	1240
20	744	751	757	760	764	765	767	765	764	760	757	751	744	751	757	760	764	765	767
25	502	507	512	516	519	522	523	522	519	516	512	507	502	507	512	516	519	522	523
30	333	338	340	342	345	349	350	349	345	342	340	338	333	338	340	342	345	349	350
35	133	139	147	154	157	159	161	159	157	154	147	139	133	139	147	154	157	159	161
40	23.5	23.5	23.6	23.7	24.4	24.6	24.9	24.6	24.4	23.7	23.6	23.5	23.5	23.5	23.6	23.7	24.4	24.6	24.9
45	10.8	10.9	11.0	11.1	11.1	11.3	11.4	11.3	11.1	11.1	11.0	10.9	10.8	10.9	11.0	11.1	11.1	11.3	11.4
50	7.98	8.03	8.11	8.15	8.21	8.30	8.38	8.30	8.21	8.15	8.11	8.03	7.98	8.03	8.11	8.15	8.21	8.30	8.38
55	6.02	6.10	6.20	6.31	6.37	6.44	6.55	6.44	6.37	6.31	6.20	6.10	6.02	6.10	6.20	6.31	6.37	6.44	6.55
60	3.53	3.60	3.63	3.70	3.78	3.83	3.92	3.83	3.78	3.70	3.63	3.60	3.53	3.60	3.63	3.70	3.78	3.83	3.92
65	1.53	1.57	1.61	1.62	1.67	1.72	1.78	1.72	1.67	1.62	1.61	1.57	1.53	1.57	1.61	1.62	1.67	1.72	1.78
70	0.49	0.49	0.51	0.55	0.57	0.60	0.64	0.60	0.57	0.55	0.51	0.49	0.49	0.49	0.51	0.55	0.57	0.60	0.64
75	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
80	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
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 (DEG)	285	300	315	330	345														
0	2771	2771	2771	2771	2770														
5	2524	2521	2518	2516	2516														
10	1896	1893	1890	1885	1881														
15	1237	1235	1232	1230	1227														
20	765	764	760	757	751														
25	522	519	516	512	507														
30	349	345	342	340	338														
35	159	157	154	147	139														
40	24.6	24.4	23.7	23.6	23.5														
45	11.3	11.1	11.1	11.0	10.9														
50	8.30	8.21	8.15	8.11	8.03														
55	6.44	6.37	6.31	6.20	6.10														
60	3.83	3.78	3.70	3.63	3.60														
65	1.72	1.67	1.62	1.61	1.57														
70	0.60	0.57	0.55	0.51	0.49														
75	0.04	0.04	0.04	0.04	0.04														
80	0.02	0.02	0.02	0.02	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.	PIVOTL24DB @10W2700K	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 $25 \pm 1^\circ\text{C}$. 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	0.088	10.0	0.945	13.33

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*****