

Photometric Test Report

Relevant Standards

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

Prepared For

RAB Lighting Inc.

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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		1644
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Standard	Premium	84.7
			95	110	
Power (Input Wattage) (W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Case		19.4
Total Harmonic Distortion (A%) (THD & PF – Section 4.3)		ANSI C82.77:2002 ANSI C82-77-10:2020	20.00%	120V	8.79
Power Factor (THD & PF – Section 4.3)		ANSI C82.77:2002 ANSI C82-77-10:2020	0.9	120V	0.983
Allowable CCTs* (K) (Integrating Sphere – Section 4.1)		ANSI/IES LM-79:2019	7 steps	3045±175	2939
			4 steps	3045±100	
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		94
Minimum Rg (Integrating Sphere – Section 4.1)		ANSI/IES TM-30-18	≥89		98
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		0.164
(Goniophotometer – Section 4.2)			Non-Worst Case		N/A
Power (Input Wattage – W)					
(Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Case		19.4
(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 @20W3000K	-	250903022-S1
2	Goniophotometer Test	2025-09-17	PIVOTL24DB @20W3000K	-	250903022-S1
3	THD and PF Test	2025-09-17	PIVOTL24DB @20W3000K	-	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 @20W3000K, 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 @20W3000K	Sample ID	250903022-S1
Operate time (Min.)	10	Stabilization time (Min.)	60
Temperature (°C)	25.4	Humidity (%RH)	41.0

Test Method

The Samples were tested according to the ANSI/IES LM-79:2019.

Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at $25 \pm 1^\circ\text{C}$.

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 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.

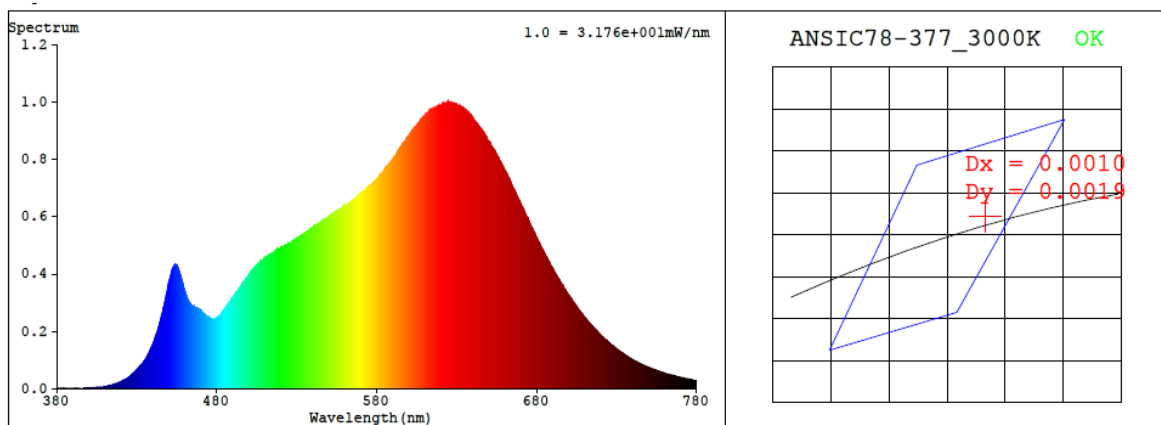
The sample was measured using 4π geometry and operated at rated voltage and was stabilized before measurement. Chromaticity coordinates, correlated color temperature and color rendering index were calculated from the spectral radiant flux measurements taken at 1 nm intervals over the range of 380 to 780nm.

Test Result

Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
120.0	60	0.164	19.4	0.983

CCT (K)	CRI	R9	Duv	SDCM	Rf	Rg	IES Rcs,h1
2939	96.2	72	0.0006	4.3	94	98	-3%

4.1 Integrating Sphere Test



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4423$ $y = 0.4075$ / $u' = 0.2526$ $v' = 0.5235$ ($duv=6.36e-04$)

CCT= 2939K Prcp WL: $L_d=582.9nm$ Purity=55.1%

Peak WL: $L_p=624nm$ FWHM: $=158.8nm$ Ratio:R=25.2% G=71.7% B=3.1%

Render Index: $R_a = 96.2$ AvgR = 94.5 TM30:Rf=94 Rg=99

EEL: 0.17495 A

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

R8 =87 R9 =72 R10=98 R11=100 R12=88 R13=98 R14=99 R15=93

4.1 Integrating Sphere Test

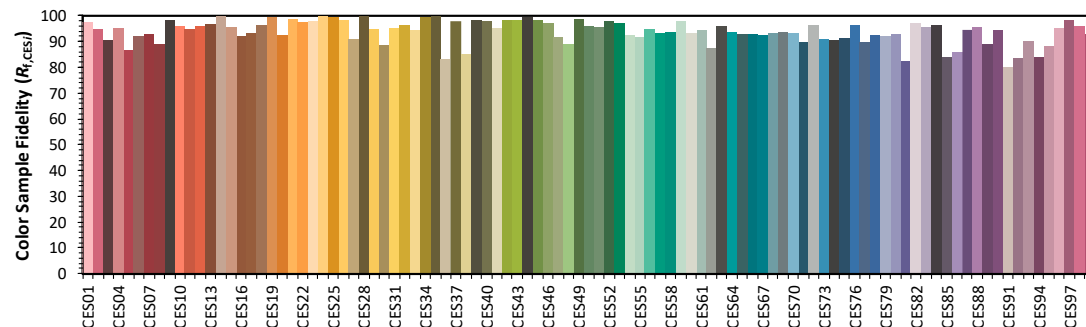
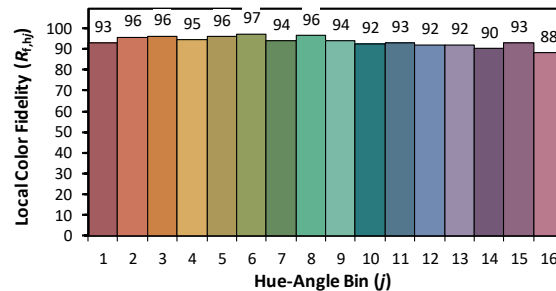
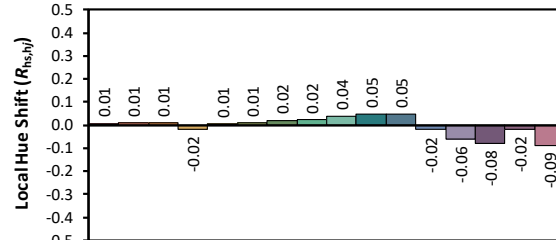
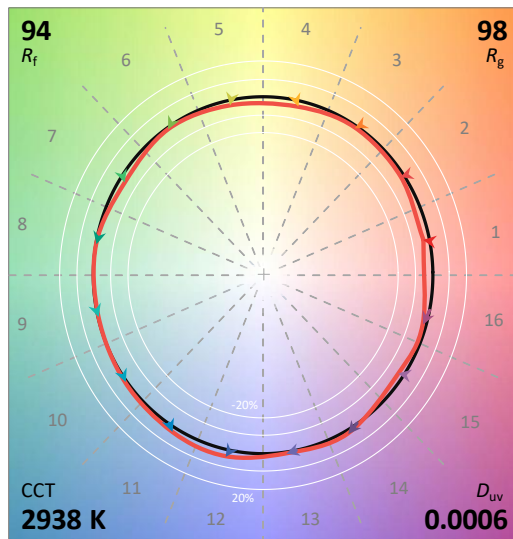
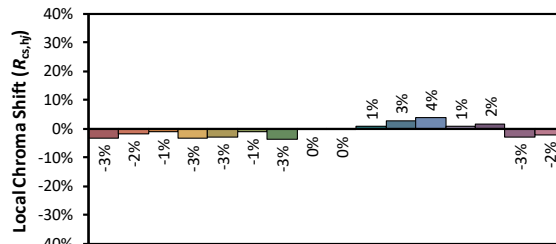
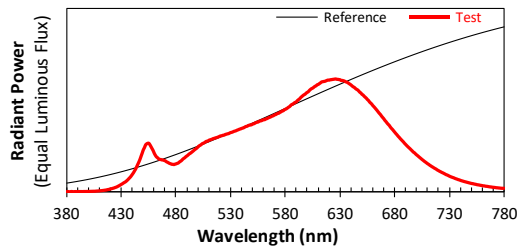
ANSI/IES TM-30-18 Color Rendition Report

Source: 1 CIE F1

Manufacturer: RAB Lighting Inc.

Date: 2025/9/19

Model: PIVOTL24DB @20W3000K



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

x 0.4423

y 0.4074

u' 0.2526

v' 0.5235

CIE 13.3-1995
(CRI)

R_a 96

R_9 73

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	1.40E-06	447	2.89E-04	514	4.71E-04	581	7.35E-04	648	8.81E-04	715	2.17E-04
381	1.50E-06	448	3.17E-04	515	4.73E-04	582	7.42E-04	649	8.74E-04	716	2.10E-04
382	0.00E+00	449	3.43E-04	516	4.77E-04	583	7.49E-04	650	8.62E-04	717	2.05E-04
383	3.00E-07	450	3.71E-04	517	4.79E-04	584	7.55E-04	651	8.56E-04	718	1.99E-04
384	2.00E-06	451	3.90E-04	518	4.83E-04	585	7.66E-04	652	8.45E-04	719	1.92E-04
385	1.40E-06	452	4.14E-04	519	4.86E-04	586	7.73E-04	653	8.36E-04	720	1.87E-04
386	2.00E-07	453	4.23E-04	520	4.92E-04	587	7.77E-04	654	8.27E-04	721	1.81E-04
387	1.10E-06	454	4.28E-04	521	4.94E-04	588	7.85E-04	655	8.16E-04	722	1.77E-04
388	1.50E-06	455	4.29E-04	522	4.96E-04	589	7.91E-04	656	8.07E-04	723	1.71E-04
389	8.00E-07	456	4.16E-04	523	5.00E-04	590	7.96E-04	657	7.93E-04	724	1.67E-04
390	3.00E-07	457	3.99E-04	524	5.01E-04	591	8.07E-04	658	7.84E-04	725	1.62E-04
391	1.80E-06	458	3.81E-04	525	5.07E-04	592	8.15E-04	659	7.74E-04	726	1.57E-04
392	1.40E-06	459	3.63E-04	526	5.09E-04	593	8.23E-04	660	7.62E-04	727	1.51E-04
393	1.80E-06	460	3.40E-04	527	5.13E-04	594	8.34E-04	661	7.52E-04	728	1.48E-04
394	1.20E-06	461	3.23E-04	528	5.14E-04	595	8.42E-04	662	7.40E-04	729	1.43E-04
395	1.80E-06	462	3.09E-04	529	5.20E-04	596	8.51E-04	663	7.29E-04	730	1.38E-04
396	2.00E-06	463	3.01E-04	530	5.24E-04	597	8.58E-04	664	7.17E-04	731	1.34E-04
397	1.90E-06	464	2.91E-04	531	5.26E-04	598	8.63E-04	665	7.04E-04	732	1.30E-04
398	2.30E-06	465	2.86E-04	532	5.30E-04	599	8.73E-04	666	6.92E-04	733	1.26E-04
399	2.60E-06	466	2.85E-04	533	5.35E-04	600	8.80E-04	667	6.82E-04	734	1.23E-04
400	2.50E-06	467	2.82E-04	534	5.37E-04	601	8.86E-04	668	6.68E-04	735	1.18E-04
401	2.70E-06	468	2.81E-04	535	5.41E-04	602	8.97E-04	669	6.56E-04	736	1.15E-04
402	3.60E-06	469	2.77E-04	536	5.46E-04	603	9.06E-04	670	6.45E-04	737	1.11E-04
403	3.60E-06	470	2.74E-04	537	5.49E-04	604	9.13E-04	671	6.31E-04	738	1.08E-04
404	4.20E-06	471	2.66E-04	538	5.54E-04	605	9.17E-04	672	6.20E-04	739	1.05E-04
405	4.10E-06	472	2.61E-04	539	5.56E-04	606	9.25E-04	673	6.07E-04	740	1.01E-04
406	4.60E-06	473	2.56E-04	540	5.61E-04	607	9.33E-04	674	5.96E-04	741	9.77E-05
407	5.70E-06	474	2.51E-04	541	5.63E-04	608	9.37E-04	675	5.86E-04	742	9.50E-05
408	6.30E-06	475	2.48E-04	542	5.67E-04	609	9.46E-04	676	5.72E-04	743	9.19E-05
409	7.10E-06	476	2.43E-04	543	5.73E-04	610	9.50E-04	677	5.60E-04	744	8.91E-05
410	7.70E-06	477	2.43E-04	544	5.78E-04	611	9.56E-04	678	5.50E-04	745	8.67E-05
411	9.20E-06	478	2.40E-04	545	5.80E-04	612	9.63E-04	679	5.38E-04	746	8.39E-05
412	9.90E-06	479	2.44E-04	546	5.86E-04	613	9.71E-04	680	5.26E-04	747	8.14E-05
413	1.13E-05	480	2.47E-04	547	5.89E-04	614	9.73E-04	681	5.15E-04	748	7.88E-05
414	1.25E-05	481	2.51E-04	548	5.91E-04	615	9.75E-04	682	5.04E-04	749	7.63E-05
415	1.42E-05	482	2.54E-04	549	5.93E-04	616	9.77E-04	683	4.92E-04	750	7.36E-05
416	1.53E-05	483	2.63E-04	550	5.99E-04	617	9.81E-04	684	4.82E-04	751	7.20E-05
417	1.80E-05	484	2.70E-04	551	6.01E-04	618	9.85E-04	685	4.70E-04	752	7.01E-05
418	1.99E-05	485	2.77E-04	552	6.06E-04	619	9.88E-04	686	4.60E-04	753	6.74E-05
419	2.19E-05	486	2.87E-04	553	6.12E-04	620	9.87E-04	687	4.50E-04	754	6.60E-05
420	2.43E-05	487	2.95E-04	554	6.15E-04	621	9.91E-04	688	4.40E-04	755	6.31E-05
421	2.72E-05	488	3.02E-04	555	6.17E-04	622	9.92E-04	689	4.28E-04	756	6.14E-05
422	3.02E-05	489	3.11E-04	556	6.23E-04	623	9.94E-04	690	4.18E-04	757	6.00E-05
423	3.29E-05	490	3.18E-04	557	6.27E-04	624	9.95E-04	691	4.08E-04	758	5.78E-05
424	3.67E-05	491	3.26E-04	558	6.28E-04	625	9.96E-04	692	3.98E-04	759	5.62E-05
425	4.00E-05	492	3.35E-04	559	6.33E-04	626	9.98E-04	693	3.89E-04	760	5.43E-05
426	4.42E-05	493	3.40E-04	560	6.38E-04	627	9.95E-04	694	3.80E-04	761	5.23E-05
427	4.95E-05	494	3.48E-04	561	6.37E-04	628	9.94E-04	695	3.70E-04	762	5.15E-05
428	5.46E-05	495	3.56E-04	562	6.44E-04	629	9.92E-04	696	3.61E-04	763	4.91E-05
429	6.01E-05	496	3.64E-04	563	6.47E-04	630	9.91E-04	697	3.51E-04	764	4.81E-05
430	6.61E-05	497	3.73E-04	564	6.52E-04	631	9.84E-04	698	3.45E-04	765	4.68E-05
431	7.17E-05	498	3.79E-04	565	6.56E-04	632	9.85E-04	699	3.35E-04	766	4.49E-05
432	7.86E-05	499	3.87E-04	566	6.60E-04	633	9.82E-04	700	3.26E-04	767	4.33E-05
433	8.40E-05	500	3.96E-04	567	6.65E-04	634	9.79E-04	701	3.18E-04	768	4.23E-05
434	9.03E-05	501	4.06E-04	568	6.70E-04	635	9.73E-04	702	3.10E-04	769	4.07E-05
435	9.91E-05	502	4.11E-04	569	6.73E-04	636	9.70E-04	703	3.02E-04	770	3.95E-05
436	1.08E-04	503	4.18E-04	570	6.81E-04	637	9.65E-04	704	2.94E-04	771	3.85E-05
437	1.19E-04	504	4.26E-04	571	6.82E-04	638	9.58E-04	705	2.85E-04	772	3.72E-05
438	1.29E-04	505	4.29E-04	572	6.88E-04	639	9.52E-04	706	2.78E-04	773	3.55E-05
439	1.41E-04	506	4.35E-04	573	6.93E-04	640	9.45E-04	707	2.70E-04	774	3.49E-05
440	1.55E-04	507	4.42E-04	574	6.95E-04	641	9.36E-04	708	2.63E-04	775	3.36E-05
441	1.69E-04	508	4.47E-04	575	7.03E-04	642	9.28E-04	709	2.56E-04	776	3.28E-05
442	1.86E-04	509	4.48E-04	576	7.07E-04	643	9.23E-04	710	2.48E-04	777	3.14E-05
443	2.02E-04	510	4.56E-04	577	7.14E-04	644	9.14E-04	711	2.42E-04	778	3.06E-05
444	2.23E-04	511	4.59E-04	578	7.17E-04	645	9.07E-04	712	2.35E-04	779	3.05E-05
445	2.44E-04	512	4.62E-04	579	7.25E-04	646	9.01E-04	713	2.29E-04	780	3.06E-05
446	2.65E-04	513	4.66E-04	580	7.30E-04	647	8.92E-04	714	2.22E-04	N/A	N/A

4.0 LM-79 Measurement and Test Results

4.2 Goniophotometer Test

Model No.	PIVOTL24DB @20W3000K	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	0.164	19.4	0.983
NON-WORST CASE	N/A	N/A	N/A	N/A	N/A

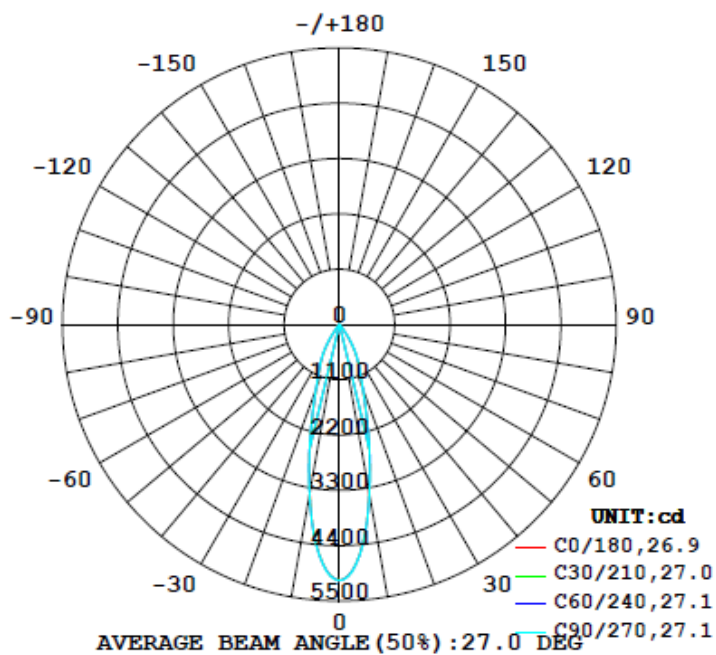
Test Result

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°)
1644	62.4	63.5	27.0	27.2	84.7	100.0%

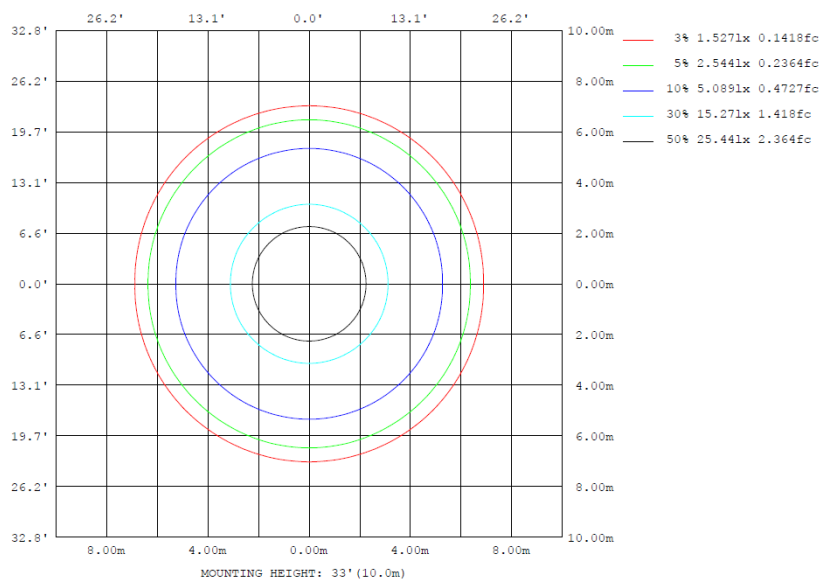
4.2 Goniophotometer Test

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	zone	total	lum, lamp
10	3414	3427	3437	3427	3414	3427	3437	3427	0- 10	401.0	401.0	24.4,24.4
20	1330	1356	1369	1356	1330	1356	1369	1356	10- 20	612.8	1014	61.7,61.7
30	597.7	617.3	629.2	617.3	597.7	617.3	629.2	617.3	20- 30	425.6	1439	87.6,87.6
40	42.12	42.80	59.85	42.80	42.12	42.80	59.85	42.80	30- 40	173.3	1613	98.1,98.1
50	14.38	14.72	15.19	14.72	14.38	14.72	15.19	14.72	40- 50	18.02	1631	99.2,99.2
60	6.341	6.635	7.018	6.635	6.341	6.635	7.018	6.635	50- 60	9.853	1641	99.8,99.8
70	0.8710	0.9584	1.135	0.9584	0.8710	0.9584	1.135	0.9584	60- 70	3.165	1644	100,100
80	0.0360	0.0340	0.0370	0.0340	0.0360	0.0340	0.0370	0.0340	70- 80	0.2062	1644	100,100
90	0	0	0	0	0	0	0	0	80- 90	0.0201	1644	100,100
100	0	0	0	0	0	0	0	0	90-100	0	1644	100,100
110	0	0	0	0	0	0	0	0	100-110	0	1644	100,100
120	0	0	0	0	0	0	0	0	110-120	0	1644	100,100
130	0	0	0	0	0	0	0	0	120-130	0	1644	100,100
140	0	0	0	0	0	0	0	0	130-140	0	1644	100,100
150	0	0	0	0	0	0	0	0	140-150	0	1644	100,100
160	0	0	0	0	0	0	0	0	150-160	0	1644	100,100
170	0	0	0	0	0	0	0	0	160-170	0	1644	100,100
180	0	0	0	0	0	0	0	0	170-180	0	1644	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

	Zonal (lm)		Total (lm)	Percent
0-10	401.04	0-10	401.04	24.39%
10-20	612.79	0-20	1013.83	61.67%
20-30	425.61	0-30	1439.44	87.56%
30-40	173.27	0-40	1612.71	98.10%
40-50	18.02	0-50	1630.73	99.19%
50-60	9.85	0-60	1640.58	99.79%
60-70	3.17	0-70	1643.75	99.99%
70-80	0.21	0-80	1643.96	100.00%
80-90	0.02	0-90	1643.98	100.00%
90-100	0.00	0-100	1643.98	100.00%
100-110	0.00	0-110	1643.98	100.00%
110-120	0.00	0-120	1643.98	100.00%
120-130	0.00	0-130	1643.98	100.00%
130-140	0.00	0-140	1643.98	100.00%
140-150	0.00	0-150	1643.98	100.00%
150-160	0.00	0-160	1643.98	100.00%
160-170	0.00	0-170	1643.98	100.00%
170-180	0.00	0-180	1643.98	100.00%

4.2 Goniophotometer Test

Luminous Distribution Intensity Data

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	5089	5091	5086	5086	5092	5090	5089	5090	5092	5086	5086	5091	5089	5091	5086	5086	5092	5090	5089
5	4600	4599	4597	4604	4612	4609	4612	4609	4612	4604	4597	4599	4600	4599	4597	4604	4612	4609	4612
10	3414	3414	3419	3427	3428	3431	3437	3431	3428	3427	3419	3414	3414	3414	3419	3427	3428	3431	3437
15	2201	2205	2210	2213	2216	2222	2226	2222	2216	2213	2210	2205	2201	2205	2210	2213	2216	2222	2226
20	1330	1341	1353	1356	1362	1366	1369	1366	1362	1356	1353	1341	1330	1341	1353	1356	1362	1366	1369
25	905	917	917	925	929	933	933	933	929	925	917	917	905	917	917	925	929	933	933
30	598	605	612	617	622	627	629	627	622	617	612	605	598	605	612	617	622	627	629
35	241	250	262	272	279	282	285	282	279	272	262	250	241	250	262	272	279	282	285
40	42.1	42.3	42.5	42.8	43.3	43.8	44.3	43.8	43.3	42.8	42.5	42.3	42.1	42.3	42.5	42.8	43.3	43.8	44.3
45	19.4	19.5	19.7	19.9	20.1	20.3	20.6	20.3	20.1	19.9	19.7	19.5	19.4	19.5	19.7	19.9	20.1	20.3	20.6
50	14.4	14.5	14.6	14.7	14.9	15.0	15.2	15.0	14.9	14.7	14.6	14.5	14.4	14.5	14.6	14.7	14.9	15.0	15.2
55	10.8	11.0	11.2	11.4	11.5	11.6	11.8	11.6	11.5	11.4	11.2	11.0	10.8	11.0	11.2	11.4	11.5	11.6	11.8
60	6.34	6.45	6.52	6.64	6.77	6.85	7.02	6.85	6.77	6.64	6.52	6.45	6.34	6.45	6.52	6.64	6.77	6.85	7.02
65	2.73	2.80	2.86	2.88	2.97	3.07	3.16	3.07	2.97	2.88	2.86	2.80	2.73	2.80	2.86	2.88	2.97	3.07	3.16
70	0.87	0.85	0.90	0.96	1.00	1.06	1.14	1.06	1.00	0.96	0.90	0.85	0.87	0.85	0.90	0.96	1.00	1.06	1.14
75	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
80	0.04	0.04	0.03	0.03	0.03	0.04	0.04	0.03	0.03	0.03	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.04	0.04
85	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
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) γ (DEG)	285	300	315	330	345														
0	5090	5092	5086	5086	5091														
5	4609	4612	4604	4597	4599														
10	3431	3428	3427	3419	3414														
15	2222	2216	2213	2210	2205														
20	1366	1362	1356	1353	1341														
25	933	929	925	917	917														
30	627	622	617	612	605														
35	282	279	272	262	250														
40	58.4	43.3	42.8	42.5	42.3														
45	20.3	20.1	19.9	19.7	19.5														
50	15.0	14.9	14.7	14.6	14.5														
55	11.6	11.5	11.4	11.2	11.0														
60	6.85	6.77	6.64	6.52	6.45														
65	3.07	2.97	2.88	2.86	2.80														
70	1.06	1.00	0.96	0.90	0.85														
75	0.07	0.07	0.07	0.07	0.07														
80	0.04	0.03	0.03	0.03	0.04														
85	0.02	0.02	0.02	0.02	0.02														
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 @20W3000K	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	0.164	19.4	0.983	8.79

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*****