

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		1419
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Standard	Premium	95.2
			95	110	
Power (Input Wattage) (W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Case		14.9
Total Harmonic Distortion (A%) (THD & PF – Section 4.3)		ANSI C82.77:2002 ANSI C82-77-10:2020	20.00%	120V	9.76
Power Factor (THD & PF – Section 4.3)		ANSI C82.77:2002 ANSI C82-77-10:2020	0.9	120V	0.973
Allowable CCTs* (K) (Integrating Sphere – Section 4.1)		ANSI/IES LM-79:2019	7 steps	3985±275	3951
			4 steps	3985±154	
Minimum CRI (Integrating Sphere – Section 4.1)		ANSI/IES LM-79:2019 CIE13.3-1995	≥80		96.1
Minimum R9 (Integrating Sphere – Section 4.1)		ANSI/IES LM-79-2019 CIE13.3-1995	≥0		78
Minimum Rf (Integrating Sphere – Section 4.1)		ANSI/IES TM-30-18	≥70		92
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		0.128
(Goniophotometer – Section 4.2)			Non-Worst Case		N/A
Power (Input Wattage – W)					
(Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Case		14.9
(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	2025-09-17	PIVOTL24DB @15W4000K	-	250903022-S1
2	Goniophotometer Test	2025-09-17	PIVOTL24DB @15W4000K	-	250903022-S1
3	THD and PF Test	2025-09-17	PIVOTL24DB @15W4000K	-	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 @15W4000K, 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 @15W4000K	Sample ID	250903022-S1
Operate time (Min.)	10	Stabilization time (Min.)	60
Temperature (°C)	25.4	Humidity (%RH)	41.0

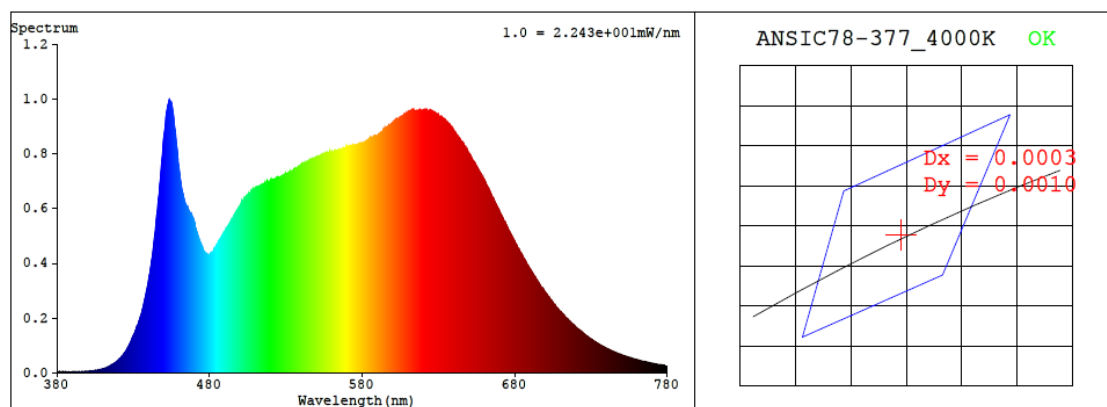
Test Method
<p>The Samples were tested according to the ANSI/IES LM-79:2019.</p> <p>Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at 25±1°C.</p> <p>The sample measurements were made 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	0.128	14.9	0.973

CCT (K)	CRI	R9	Duv	SDCM	Rf	Rg	IES Rcs,h1
3951	96.1	78	0.0004	0.9	92	98	-3%

4.1 Integrating Sphere Test



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3829$ $y = 0.3791$ / $u' = 0.2258$ $v' = 0.5030$ ($duv=3.79e-04$)

CCT= 3951K Prcp WL: Ld=579.0nm Purity=28.7%

Peak WL: Lp=454nm FWHM: =28.6nm Ratio:R=20.4% G=75.1% B=4.6%

Render Index: Ra = 96.1 AvgR = 94.0 TM30:Rf=93 Rg=99

EEI: 0.15658 A+

R1 =97 R2 =99 R3 =99 R4 =96 R5 =96 R6 =96 R7 =95

R8 =90 R9 =78 R10=97 R11=97 R12=78 R13=98 R14=99 R15=95

4.1 Integrating Sphere Test

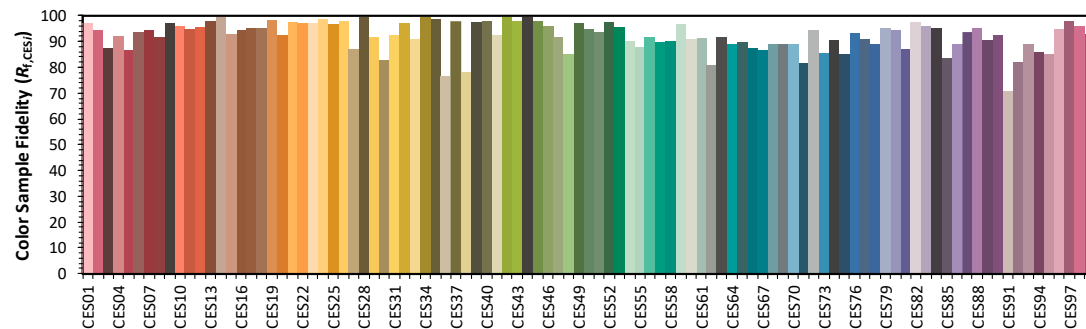
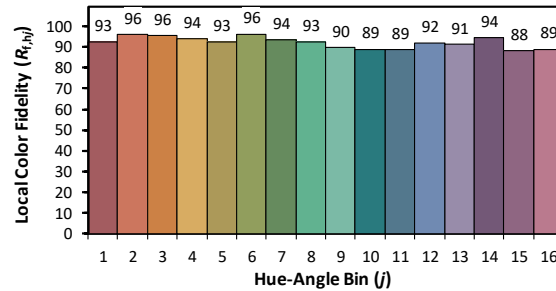
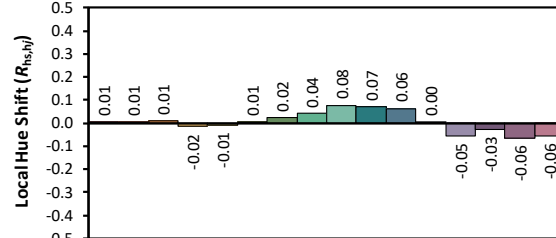
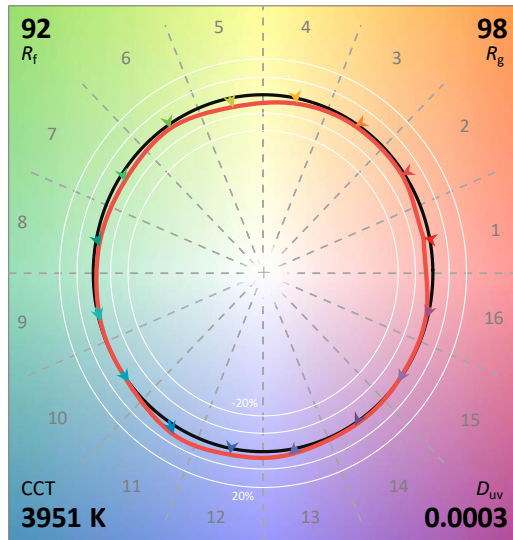
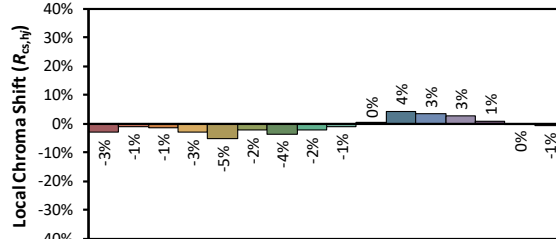
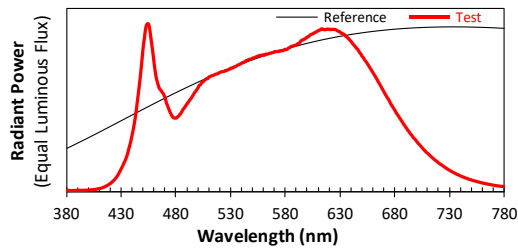
ANSI/IES TM-30-18 Color Rendition Report

Source: 1 CIE F1

Manufacturer: RAB Lighting Inc.

Date: 2025/9/19

Model: PIVOTL24DB @15W4000K



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

x 0.3829
 y 0.3790
 u' 0.2258
 v' 0.5029

CIE 13.3-1995
(CRI)
 R_a 96
 R_g 78

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	2.60E-06	447	6.65E-04	514	6.86E-04	581	8.38E-04	648	8.19E-04	715	1.94E-04
381	3.20E-06	448	7.29E-04	515	6.89E-04	582	8.43E-04	649	8.12E-04	716	1.88E-04
382	3.90E-06	449	7.95E-04	516	6.92E-04	583	8.48E-04	650	7.99E-04	717	1.83E-04
383	2.20E-06	450	8.62E-04	517	6.94E-04	584	8.50E-04	651	7.93E-04	718	1.78E-04
384	2.70E-06	451	9.07E-04	518	6.95E-04	585	8.57E-04	652	7.82E-04	719	1.73E-04
385	2.80E-06	452	9.60E-04	519	6.99E-04	586	8.58E-04	653	7.72E-04	720	1.67E-04
386	3.40E-06	453	9.85E-04	520	7.03E-04	587	8.60E-04	654	7.65E-04	721	1.62E-04
387	3.30E-06	454	9.92E-04	521	7.05E-04	588	8.62E-04	655	7.54E-04	722	1.58E-04
388	3.60E-06	455	9.85E-04	522	7.07E-04	589	8.64E-04	656	7.44E-04	723	1.54E-04
389	3.00E-06	456	9.51E-04	523	7.08E-04	590	8.65E-04	657	7.33E-04	724	1.49E-04
390	3.50E-06	457	9.02E-04	524	7.09E-04	591	8.72E-04	658	7.23E-04	725	1.44E-04
391	4.10E-06	458	8.55E-04	525	7.15E-04	592	8.75E-04	659	7.13E-04	726	1.40E-04
392	3.60E-06	459	8.05E-04	526	7.14E-04	593	8.78E-04	660	7.02E-04	727	1.36E-04
393	4.00E-06	460	7.49E-04	527	7.17E-04	594	8.88E-04	661	6.92E-04	728	1.31E-04
394	4.30E-06	461	7.03E-04	528	7.20E-04	595	8.94E-04	662	6.81E-04	729	1.27E-04
395	4.00E-06	462	6.66E-04	529	7.22E-04	596	8.95E-04	663	6.70E-04	730	1.23E-04
396	4.40E-06	463	6.42E-04	530	7.29E-04	597	9.00E-04	664	6.59E-04	731	1.20E-04
397	4.90E-06	464	6.19E-04	531	7.28E-04	598	9.02E-04	665	6.46E-04	732	1.15E-04
398	5.00E-06	465	6.04E-04	532	7.31E-04	599	9.08E-04	666	6.36E-04	733	1.13E-04
399	5.00E-06	466	5.98E-04	533	7.35E-04	600	9.13E-04	667	6.24E-04	734	1.09E-04
400	5.40E-06	467	5.86E-04	534	7.36E-04	601	9.14E-04	668	6.12E-04	735	1.06E-04
401	6.20E-06	468	5.80E-04	535	7.41E-04	602	9.21E-04	669	6.00E-04	736	1.02E-04
402	7.10E-06	469	5.66E-04	536	7.45E-04	603	9.26E-04	670	5.89E-04	737	9.84E-05
403	7.40E-06	470	5.52E-04	537	7.48E-04	604	9.30E-04	671	5.77E-04	738	9.59E-05
404	7.90E-06	471	5.24E-04	538	7.51E-04	605	9.31E-04	672	5.67E-04	739	9.37E-05
405	9.00E-06	472	5.08E-04	539	7.53E-04	606	9.36E-04	673	5.55E-04	740	8.98E-05
406	9.20E-06	473	4.91E-04	540	7.58E-04	607	9.39E-04	674	5.46E-04	741	8.76E-05
407	1.09E-05	474	4.74E-04	541	7.61E-04	608	9.42E-04	675	5.34E-04	742	8.44E-05
408	1.23E-05	475	4.60E-04	542	7.62E-04	609	9.47E-04	676	5.21E-04	743	8.19E-05
409	1.36E-05	476	4.47E-04	543	7.68E-04	610	9.49E-04	677	5.10E-04	744	7.92E-05
410	1.50E-05	477	4.39E-04	544	7.72E-04	611	9.53E-04	678	5.00E-04	745	7.71E-05
411	1.63E-05	478	4.33E-04	545	7.74E-04	612	9.55E-04	679	4.89E-04	746	7.46E-05
412	1.82E-05	479	4.32E-04	546	7.78E-04	613	9.61E-04	680	4.79E-04	747	7.22E-05
413	2.10E-05	480	4.32E-04	547	7.81E-04	614	9.59E-04	681	4.68E-04	748	6.98E-05
414	2.32E-05	481	4.38E-04	548	7.82E-04	615	9.57E-04	682	4.57E-04	749	6.84E-05
415	2.64E-05	482	4.42E-04	549	7.83E-04	616	9.56E-04	683	4.49E-04	750	6.57E-05
416	3.00E-05	483	4.52E-04	550	7.88E-04	617	9.57E-04	684	4.37E-04	751	6.36E-05
417	3.31E-05	484	4.58E-04	551	7.89E-04	618	9.59E-04	685	4.29E-04	752	6.17E-05
418	3.67E-05	485	4.68E-04	552	7.91E-04	619	9.59E-04	686	4.18E-04	753	6.03E-05
419	4.13E-05	486	4.81E-04	553	7.95E-04	620	9.59E-04	687	4.08E-04	754	5.84E-05
420	4.53E-05	487	4.89E-04	554	7.97E-04	621	9.56E-04	688	3.97E-04	755	5.63E-05
421	5.12E-05	488	4.98E-04	555	8.00E-04	622	9.59E-04	689	3.89E-04	756	5.50E-05
422	5.71E-05	489	5.08E-04	556	8.03E-04	623	9.57E-04	690	3.78E-04	757	5.32E-05
423	6.34E-05	490	5.17E-04	557	8.04E-04	624	9.58E-04	691	3.70E-04	758	5.13E-05
424	7.04E-05	491	5.26E-04	558	8.04E-04	625	9.57E-04	692	3.60E-04	759	4.95E-05
425	7.78E-05	492	5.35E-04	559	8.06E-04	626	9.56E-04	693	3.52E-04	760	4.80E-05
426	8.81E-05	493	5.44E-04	560	8.07E-04	627	9.52E-04	694	3.42E-04	761	4.68E-05
427	9.78E-05	494	5.52E-04	561	8.05E-04	628	9.47E-04	695	3.35E-04	762	4.53E-05
428	1.10E-04	495	5.63E-04	562	8.11E-04	629	9.46E-04	696	3.26E-04	763	4.36E-05
429	1.22E-04	496	5.74E-04	563	8.12E-04	630	9.42E-04	697	3.16E-04	764	4.24E-05
430	1.35E-04	497	5.85E-04	564	8.12E-04	631	9.35E-04	698	3.10E-04	765	4.09E-05
431	1.47E-04	498	5.92E-04	565	8.15E-04	632	9.34E-04	699	3.03E-04	766	3.98E-05
432	1.63E-04	499	6.02E-04	566	8.16E-04	633	9.30E-04	700	2.94E-04	767	3.89E-05
433	1.75E-04	500	6.12E-04	567	8.18E-04	634	9.26E-04	701	2.86E-04	768	3.74E-05
434	1.92E-04	501	6.25E-04	568	8.21E-04	635	9.19E-04	702	2.79E-04	769	3.60E-05
435	2.09E-04	502	6.29E-04	569	8.21E-04	636	9.14E-04	703	2.72E-04	770	3.51E-05
436	2.32E-04	503	6.38E-04	570	8.26E-04	637	9.08E-04	704	2.65E-04	771	3.36E-05
437	2.57E-04	504	6.46E-04	571	8.25E-04	638	9.01E-04	705	2.57E-04	772	3.26E-05
438	2.81E-04	505	6.49E-04	572	8.26E-04	639	8.93E-04	706	2.49E-04	773	3.17E-05
439	3.09E-04	506	6.56E-04	573	8.28E-04	640	8.87E-04	707	2.42E-04	774	3.07E-05
440	3.41E-04	507	6.62E-04	574	8.27E-04	641	8.77E-04	708	2.36E-04	775	2.99E-05
441	3.73E-04	508	6.66E-04	575	8.32E-04	642	8.70E-04	709	2.29E-04	776	2.89E-05
442	4.11E-04	509	6.67E-04	576	8.30E-04	643	8.62E-04	710	2.24E-04	777	2.81E-05
443	4.52E-04	510	6.75E-04	577	8.33E-04	644	8.55E-04	711	2.17E-04	778	2.73E-05
444	5.03E-04	511	6.79E-04	578	8.31E-04	645	8.45E-04	712	2.12E-04	779	2.73E-05
445	5.56E-04	512	6.82E-04	579	8.38E-04	646	8.40E-04	713	2.05E-04	780	2.73E-05
446	6.08E-04	513	6.83E-04	580	8.40E-04	647	8.30E-04	714	1.99E-04	N/A	N/A

4.0 LM-79 Measurement and Test Results

4.2 Goniophotometer Test

Model No.	PIVOTL24DB @15W4000K	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	0.128	14.9	0.973
NON-WORST CASE	N/A	N/A	N/A	N/A	N/A

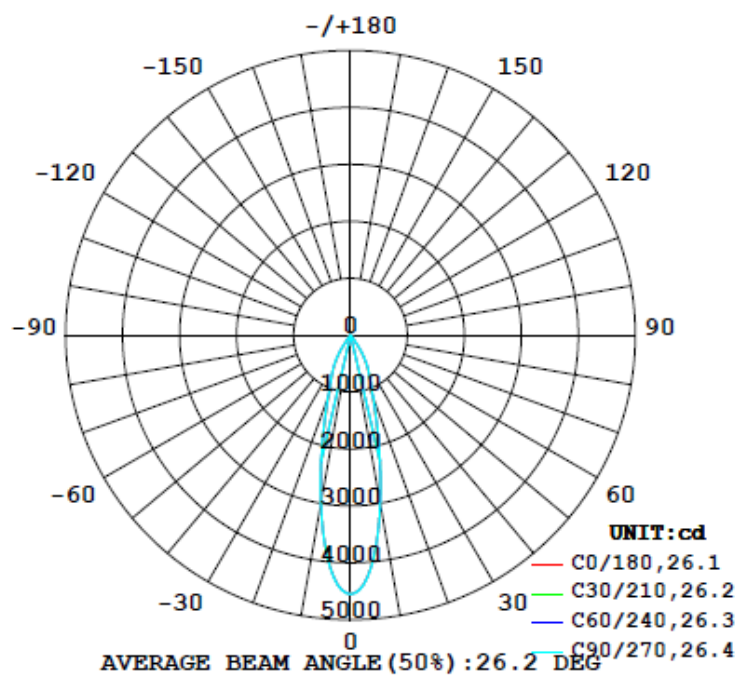
Test Result

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°)
1419	61.7	62.9	26.1	26.4	95.2	100.0%

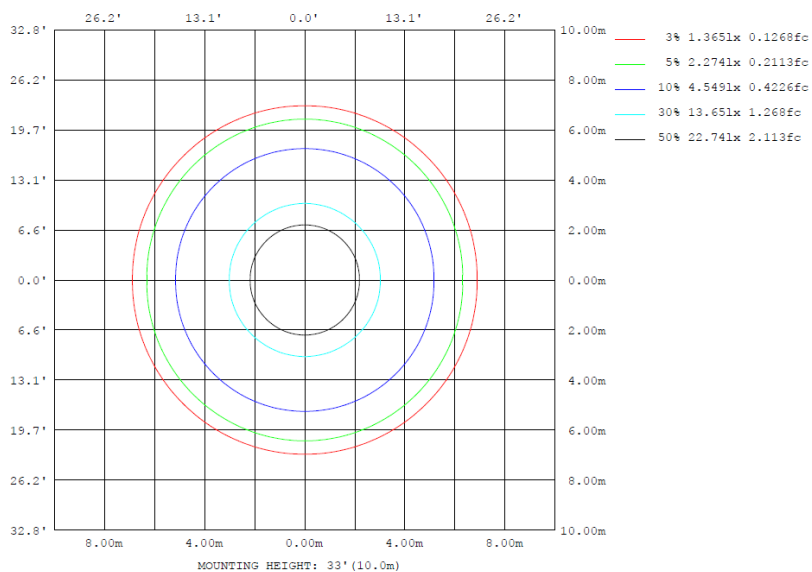
4.2 Goniophotometer Test

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	%lum, lamp
10	2993	2997	3003	2997	2993	2997	3003	2997	0- 10	355.4	355.4	25.1, 25.1
20	1122	1144	1162	1144	1122	1144	1162	1144	10- 20	525.6	881.0	62.1, 62.1
30	506.5	532.2	542.8	532.2	506.5	532.2	542.8	532.2	20- 30	361.4	1242	87.6, 87.6
40	37.40	37.11	35.75	37.11	37.40	37.11	35.75	37.11	30- 40	149.6	1392	98.1, 98.1
50	12.25	12.52	12.92	12.52	12.25	12.52	12.92	12.52	40- 50	15.28	1407	99.2, 99.2
60	5.422	5.673	6.011	5.673	5.422	5.673	6.011	5.673	50- 60	8.394	1416	99.8, 99.8
70	0.7515	0.8261	0.9864	0.8261	0.7515	0.8261	0.9864	0.8261	60- 70	2.717	1418	100, 100
80	0.0306	0.0303	0.0318	0.0303	0.0306	0.0303	0.0318	0.0303	70- 80	0.1809	1419	100, 100
90	0	0	0	0	0	0	0	0	80- 90	0.0175	1419	100, 100
100	0	0	0	0	0	0	0	0	90-100	0	1419	100, 100
110	0	0	0	0	0	0	0	0	100-110	0	1419	100, 100
120	0	0	0	0	0	0	0	0	110-120	0	1419	100, 100
130	0	0	0	0	0	0	0	0	120-130	0	1419	100, 100
140	0	0	0	0	0	0	0	0	130-140	0	1419	100, 100
150	0	0	0	0	0	0	0	0	140-150	0	1419	100, 100
160	0	0	0	0	0	0	0	0	150-160	0	1419	100, 100
170	0	0	0	0	0	0	0	0	160-170	0	1419	100, 100
180	0	0	0	0	0	0	0	0	170-180	0	1419	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Zonal (lm)		Total (lm)		Percent
0-10	355.38	0-10	355.38	25.05%
10-20	525.58	0-20	880.96	62.10%
20-30	361.39	0-30	1242.35	87.58%
30-40	149.63	0-40	1391.98	98.13%
40-50	15.28	0-50	1407.26	99.20%
50-60	8.39	0-60	1415.65	99.79%
60-70	2.72	0-70	1418.37	99.99%
70-80	0.18	0-80	1418.55	100.00%
80-90	0.02	0-90	1418.57	100.00%
90-100	0.00	0-100	1418.57	100.00%
100-110	0.00	0-110	1418.57	100.00%
110-120	0.00	0-120	1418.57	100.00%
120-130	0.00	0-130	1418.57	100.00%
130-140	0.00	0-140	1418.57	100.00%
140-150	0.00	0-150	1418.57	100.00%
150-160	0.00	0-160	1418.57	100.00%
160-170	0.00	0-170	1418.57	100.00%
170-180	0.00	0-180	1418.57	100.00%

4.2 Goniophotometer Test

Luminous Distribution Intensity Data

Table--1										UNIT: cd									
y	C (DBG)	C (DBG)																	
		0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255
0	4549	4548	4546	4549	4551	4547	4551	4547	4551	4549	4546	4548	4549	4548	4546	4549	4551	4547	4551
5	4101	4104	4101	4102	4105	4108	4112	4108	4105	4102	4101	4104	4101	4104	4101	4102	4105	4108	4112
10	2993	2996	2995	2997	2999	3003	3003	3003	2999	2997	2995	2996	2993	2996	2995	2997	2999	3003	3003
15	1876	1880	1887	1896	1899	1905	1910	1905	1899	1896	1887	1880	1876	1880	1887	1896	1899	1905	1910
20	1122	1132	1140	1144	1150	1158	1162	1158	1150	1144	1140	1132	1122	1132	1140	1144	1150	1158	1162
25	765	772	778	782	784	785	786	785	784	782	778	772	765	772	778	782	784	785	786
30	506	515	524	532	539	542	543	542	539	532	524	515	506	515	524	532	539	542	543
35	217	223	227	230	234	237	239	237	234	230	227	223	217	223	227	230	234	237	239
40	37.4	37.3	37.2	37.1	36.7	35.6	35.7	35.6	36.7	37.1	37.2	37.3	37.4	37.3	37.2	37.1	36.7	35.6	35.7
45	16.6	16.6	16.8	16.9	17.1	17.3	17.5	17.3	17.1	16.9	16.8	16.6	16.6	16.6	16.8	16.9	17.1	17.3	17.5
50	12.2	12.3	12.4	12.5	12.7	12.8	12.9	12.8	12.7	12.5	12.4	12.3	12.2	12.3	12.4	12.5	12.7	12.8	12.9
55	9.22	9.35	9.52	9.55	9.69	9.87	10.1	9.87	9.69	9.55	9.52	9.35	9.22	9.35	9.52	9.55	9.69	9.87	10.1
60	5.42	5.52	5.58	5.67	5.80	5.87	6.01	5.87	5.80	5.67	5.58	5.52	5.42	5.52	5.58	5.67	5.80	5.87	6.01
65	2.34	2.41	2.46	2.47	2.56	2.64	2.72	2.64	2.56	2.47	2.46	2.41	2.34	2.41	2.46	2.47	2.56	2.64	2.72
70	0.75	0.74	0.78	0.83	0.86	0.92	0.99	0.92	0.86	0.83	0.78	0.74	0.75	0.74	0.78	0.83	0.86	0.92	0.99
75	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	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	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.01	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 (DBG)	285	300	315	330	345														
Y (DBG)	0	4547	4551	4549	4546	4548													
5	4108	4105	4102	4101	4104														
10	3003	2999	2997	2995	2996														
15	1905	1899	1896	1887	1880														
20	1158	1150	1144	1140	1132														
25	785	784	782	778	772														
30	542	539	532	524	515														
35	237	234	230	227	223														
40	35.6	36.7	37.1	37.2	37.3														
45	17.3	17.1	16.9	16.8	16.6														
50	12.8	12.7	12.5	12.4	12.3														
55	9.87	9.69	9.55	9.52	9.35														
60	5.87	5.80	5.67	5.58	5.52														
65	2.64	2.56	2.47	2.46	2.41														
70	0.92	0.86	0.83	0.78	0.74														
75	0.06	0.06	0.06	0.06	0.06														
80	0.03	0.03	0.03	0.03	0.03														
85	0.02	0.02	0.02	0.01	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 @15W4000K	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	0.128	14.9	0.973	9.76

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*****