

Photometric Test Report

Relevant Standards

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

Prepared For

RAB Lighting Inc.

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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		1324
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Standard	Premium	89.5
			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	3045±175	2987
			4 steps	3045±100	
Minimum CRI (Integrating Sphere – Section 4.1)		ANSI/IES LM-79:2019 CIE13.3-1995	≥80		96.5
Minimum R9 (Integrating Sphere – Section 4.1)		ANSI/IES LM-79-2019 CIE13.3-1995	≥0		75
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		0.127
(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 @15W3000K	-	250903022-S1
2	Goniophotometer Test	2025-09-17	PIVOTL24DB @15W3000K	-	250903022-S1
3	THD and PF Test	2025-09-17	PIVOTL24DB @15W3000K	-	250903022-S1

Remark (If any):

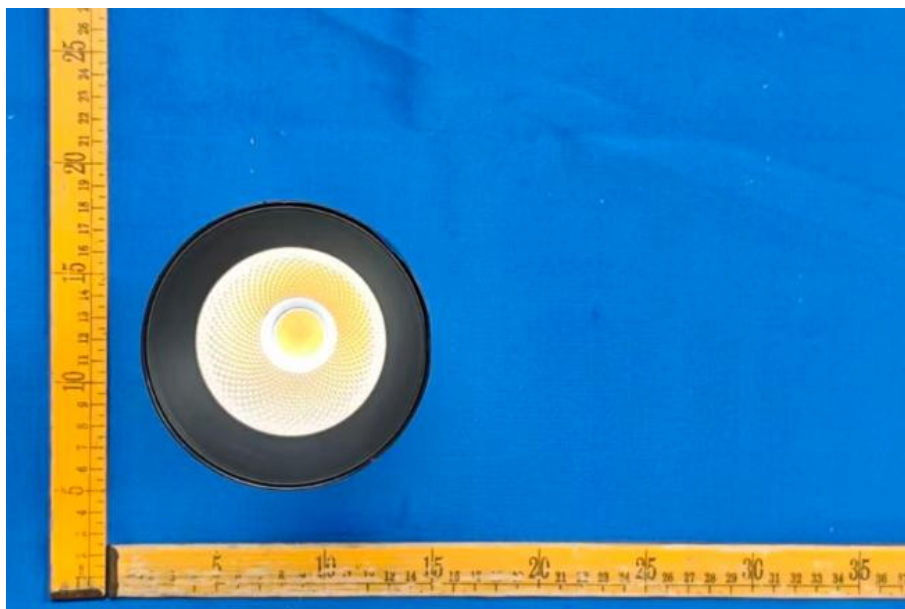
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3.0 Product Description

Luminaire Description: Model No. PIVOTL24DB @15W3000K, 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 @15W3000K	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 $25\pm1^{\circ}\text{C}$.

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.

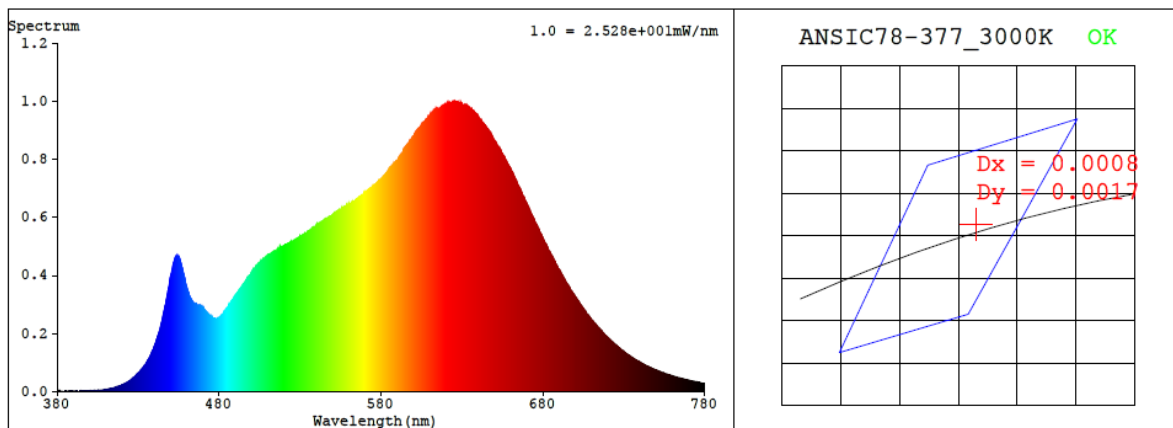
The sample was measured using 4π geometry and operated at rated voltage and was stabilized before measurement. Chromaticity coordinates, correlated color temperature and color rendering index were calculated from the spectral radiant flux measurements taken at 1 nm intervals over the range of 380 to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

Test Result

Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
120.0	60	0.127	14.8	0.972

CCT (K)	CRI	R9	Duv	SDCM	Rf	Rg	IES Rcs,h1
2987	96.5	75	0.0006	2.4	94	98	-3%

4.1 Integrating Sphere Test



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4387$ $y = 0.4061$ / $u' = 0.2508$ $v' = 0.5225$ ($duv=5.68e-04$)

CCT= 2987K Prcp WL: $L_d=582.7nm$ Purity=53.6%

Peak WL: $L_p=626nm$ FWHM: $=162.7nm$ Ratio:R=24.9% G=71.9% B=3.2%

Render Index: $R_a = 96.5$ AvgR = 94.9 TM30:Rf=94 Rg=99

EEL: 0.00000 A++ Highest

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

R8 =88 R9 =75 R10=98 R11=100 R12=87 R13=99 R14=99 R15=94

4.1 Integrating Sphere Test

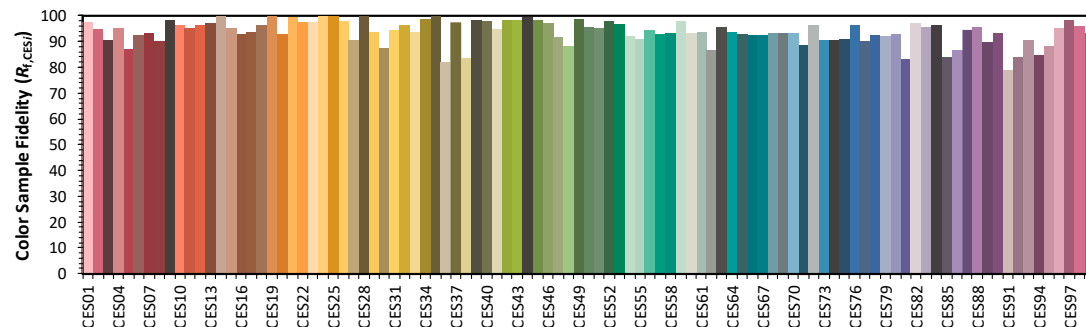
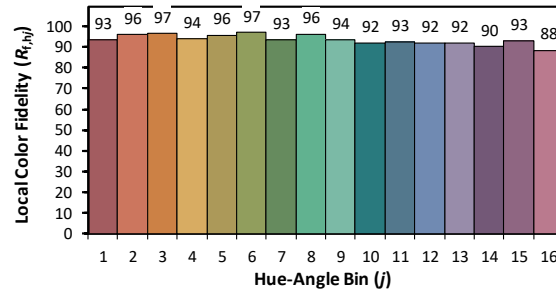
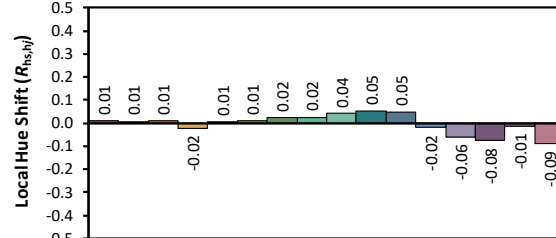
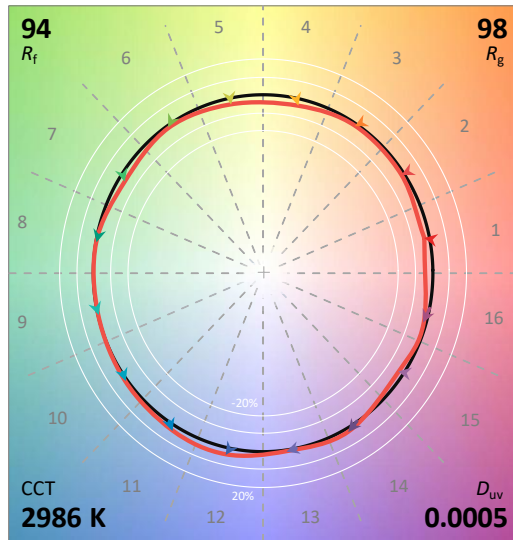
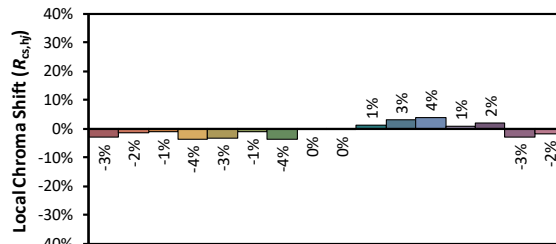
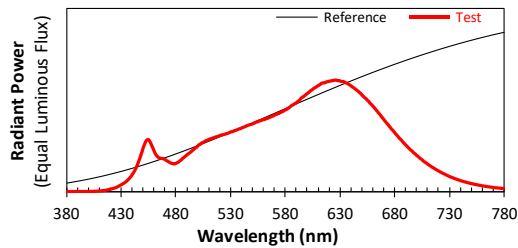
ANSI/IES TM-30-18 Color Rendition Report

Source: 1 CIE F1

Manufacturer: RAB Lighting Inc.

Date: 2025/9/19

Model: PIVOTL24DB @15W3000K



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

x 0.4387
 y 0.4060
 u' 0.2509
 v' 0.5224

CIE 13.3-1995
(CRI)
 R_a 97
 R_g 75

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	1.00E-07	447	3.06E-04	514	4.83E-04	581	7.37E-04	648	8.85E-04	715	2.16E-04
381	2.20E-06	448	3.36E-04	515	4.84E-04	582	7.44E-04	649	8.78E-04	716	2.10E-04
382	1.60E-06	449	3.65E-04	516	4.90E-04	583	7.51E-04	650	8.65E-04	717	2.03E-04
383	1.10E-06	450	3.98E-04	517	4.92E-04	584	7.57E-04	651	8.57E-04	718	1.98E-04
384	1.60E-06	451	4.22E-04	518	4.94E-04	585	7.67E-04	652	8.46E-04	719	1.92E-04
385	2.40E-06	452	4.46E-04	519	4.99E-04	586	7.73E-04	653	8.38E-04	720	1.86E-04
386	1.70E-06	453	4.61E-04	520	5.03E-04	587	7.78E-04	654	8.30E-04	721	1.81E-04
387	1.30E-06	454	4.66E-04	521	5.07E-04	588	7.85E-04	655	8.18E-04	722	1.75E-04
388	2.70E-06	455	4.64E-04	522	5.08E-04	589	7.91E-04	656	8.10E-04	723	1.71E-04
389	1.70E-06	456	4.49E-04	523	5.11E-04	590	7.96E-04	657	7.97E-04	724	1.65E-04
390	1.60E-06	457	4.29E-04	524	5.12E-04	591	8.06E-04	658	7.86E-04	725	1.61E-04
391	1.90E-06	458	4.06E-04	525	5.17E-04	592	8.12E-04	659	7.78E-04	726	1.56E-04
392	2.40E-06	459	3.85E-04	526	5.19E-04	593	8.19E-04	660	7.65E-04	727	1.51E-04
393	1.80E-06	460	3.61E-04	527	5.22E-04	594	8.34E-04	661	7.56E-04	728	1.46E-04
394	2.40E-06	461	3.40E-04	528	5.27E-04	595	8.42E-04	662	7.43E-04	729	1.42E-04
395	2.40E-06	462	3.25E-04	529	5.30E-04	596	8.48E-04	663	7.31E-04	730	1.37E-04
396	2.20E-06	463	3.15E-04	530	5.36E-04	597	8.56E-04	664	7.20E-04	731	1.33E-04
397	2.50E-06	464	3.05E-04	531	5.37E-04	598	8.62E-04	665	7.07E-04	732	1.29E-04
398	1.90E-06	465	3.02E-04	532	5.39E-04	599	8.72E-04	666	6.96E-04	733	1.25E-04
399	2.60E-06	466	3.00E-04	533	5.45E-04	600	8.79E-04	667	6.83E-04	734	1.22E-04
400	3.10E-06	467	2.98E-04	534	5.47E-04	601	8.86E-04	668	6.71E-04	735	1.17E-04
401	3.20E-06	468	2.98E-04	535	5.52E-04	602	8.95E-04	669	6.58E-04	736	1.14E-04
402	3.20E-06	469	2.93E-04	536	5.55E-04	603	9.04E-04	670	6.47E-04	737	1.10E-04
403	3.50E-06	470	2.87E-04	537	5.60E-04	604	9.10E-04	671	6.32E-04	738	1.07E-04
404	3.90E-06	471	2.81E-04	538	5.64E-04	605	9.17E-04	672	6.22E-04	739	1.04E-04
405	4.80E-06	472	2.74E-04	539	5.65E-04	606	9.26E-04	673	6.09E-04	740	1.00E-04
406	4.70E-06	473	2.69E-04	540	5.71E-04	607	9.31E-04	674	5.99E-04	741	9.72E-05
407	5.20E-06	474	2.63E-04	541	5.75E-04	608	9.37E-04	675	5.86E-04	742	9.47E-05
408	5.90E-06	475	2.58E-04	542	5.78E-04	609	9.44E-04	676	5.74E-04	743	9.12E-05
409	6.90E-06	476	2.53E-04	543	5.82E-04	610	9.49E-04	677	5.61E-04	744	8.87E-05
410	7.40E-06	477	2.53E-04	544	5.88E-04	611	9.56E-04	678	5.52E-04	745	8.64E-05
411	8.00E-06	478	2.48E-04	545	5.91E-04	612	9.61E-04	679	5.40E-04	746	8.31E-05
412	9.50E-06	479	2.52E-04	546	5.96E-04	613	9.71E-04	680	5.28E-04	747	8.08E-05
413	1.09E-05	480	2.55E-04	547	5.98E-04	614	9.73E-04	681	5.15E-04	748	7.84E-05
414	1.12E-05	481	2.60E-04	548	6.02E-04	615	9.75E-04	682	5.05E-04	749	7.60E-05
415	1.26E-05	482	2.64E-04	549	6.03E-04	616	9.74E-04	683	4.94E-04	750	7.34E-05
416	1.46E-05	483	2.74E-04	550	6.09E-04	617	9.80E-04	684	4.82E-04	751	7.18E-05
417	1.68E-05	484	2.80E-04	551	6.13E-04	618	9.84E-04	685	4.72E-04	752	6.92E-05
418	1.86E-05	485	2.88E-04	552	6.16E-04	619	9.87E-04	686	4.63E-04	753	6.70E-05
419	2.01E-05	486	3.00E-04	553	6.21E-04	620	9.87E-04	687	4.50E-04	754	6.49E-05
420	2.31E-05	487	3.06E-04	554	6.26E-04	621	9.91E-04	688	4.39E-04	755	6.29E-05
421	2.60E-05	488	3.15E-04	555	6.27E-04	622	9.92E-04	689	4.29E-04	756	6.09E-05
422	2.84E-05	489	3.23E-04	556	6.34E-04	623	9.94E-04	690	4.19E-04	757	5.90E-05
423	3.09E-05	490	3.31E-04	557	6.36E-04	624	9.97E-04	691	4.09E-04	758	5.74E-05
424	3.48E-05	491	3.38E-04	558	6.39E-04	625	9.97E-04	692	3.99E-04	759	5.57E-05
425	3.80E-05	492	3.46E-04	559	6.42E-04	626	9.99E-04	693	3.89E-04	760	5.37E-05
426	4.27E-05	493	3.53E-04	560	6.48E-04	627	9.97E-04	694	3.79E-04	761	5.20E-05
427	4.77E-05	494	3.61E-04	561	6.47E-04	628	9.93E-04	695	3.71E-04	762	5.04E-05
428	5.29E-05	495	3.70E-04	562	6.53E-04	629	9.95E-04	696	3.63E-04	763	4.90E-05
429	5.84E-05	496	3.78E-04	563	6.56E-04	630	9.91E-04	697	3.51E-04	764	4.78E-05
430	6.40E-05	497	3.87E-04	564	6.58E-04	631	9.87E-04	698	3.44E-04	765	4.56E-05
431	6.99E-05	498	3.94E-04	565	6.64E-04	632	9.87E-04	699	3.36E-04	766	4.46E-05
432	7.60E-05	499	4.01E-04	566	6.67E-04	633	9.86E-04	700	3.26E-04	767	4.28E-05
433	8.19E-05	500	4.12E-04	567	6.72E-04	634	9.82E-04	701	3.18E-04	768	4.14E-05
434	8.92E-05	501	4.21E-04	568	6.76E-04	635	9.75E-04	702	3.10E-04	769	4.05E-05
435	9.81E-05	502	4.25E-04	569	6.79E-04	636	9.73E-04	703	3.01E-04	770	3.91E-05
436	1.08E-04	503	4.33E-04	570	6.87E-04	637	9.67E-04	704	2.94E-04	771	3.75E-05
437	1.18E-04	504	4.40E-04	571	6.90E-04	638	9.60E-04	705	2.86E-04	772	3.63E-05
438	1.29E-04	505	4.43E-04	572	6.93E-04	639	9.54E-04	706	2.77E-04	773	3.55E-05
439	1.41E-04	506	4.49E-04	573	6.99E-04	640	9.47E-04	707	2.68E-04	774	3.44E-05
440	1.57E-04	507	4.56E-04	574	7.00E-04	641	9.39E-04	708	2.63E-04	775	3.34E-05
441	1.71E-04	508	4.59E-04	575	7.07E-04	642	9.33E-04	709	2.56E-04	776	3.20E-05
442	1.89E-04	509	4.62E-04	576	7.12E-04	643	9.26E-04	710	2.48E-04	777	3.12E-05
443	2.06E-04	510	4.70E-04	577	7.16E-04	644	9.18E-04	711	2.42E-04	778	3.01E-05
444	2.29E-04	511	4.73E-04	578	7.21E-04	645	9.11E-04	712	2.34E-04	779	3.00E-05
445	2.54E-04	512	4.74E-04	579	7.29E-04	646	9.03E-04	713	2.29E-04	780	3.01E-05
446	2.79E-04	513	4.79E-04	580	7.32E-04	647	8.95E-04	714	2.21E-04	N/A	N/A

4.0 LM-79 Measurement and Test Results

4.2 Goniophotometer Test

Model No.	PIVOTL24DB @15W3000K	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

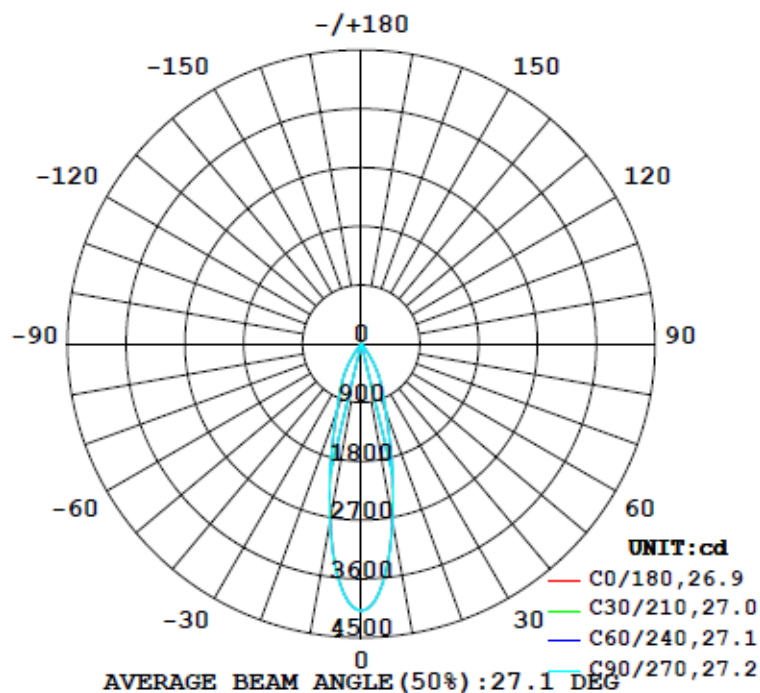
Test Result

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°)
1324	62.4	63.5	27.0	27.2	89.5	100.0%

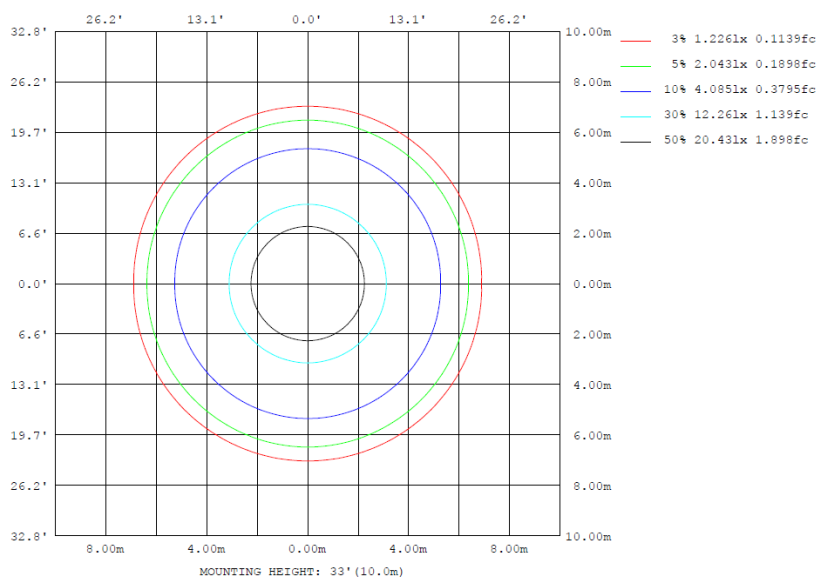
4.2 Goniophotometer Test

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	2742	2751	2764	2751	2742	2751	2764	2751	0- 10	322.4	322.4	24.4,24.4
20	1069	1090	1103	1090	1069	1090	1103	1090	10- 20	492.8	815.2	61.6,61.6
30	480.2	496.7	507.3	496.7	480.2	496.7	507.3	496.7	20- 30	343.0	1158	87.5,87.5
40	34.24	34.59	35.49	34.59	34.24	34.59	35.49	34.59	30- 40	140.6	1299	98.1,98.1
50	11.55	11.82	12.17	11.82	11.55	11.82	12.17	11.82	40- 50	14.40	1313	99.2,99.2
60	5.099	5.338	5.659	5.338	5.099	5.338	5.659	5.338	50- 60	7.904	1321	99.8,99.8
70	0.7067	0.7786	0.9228	0.7786	0.7067	0.7786	0.9228	0.7786	60- 70	2.554	1324	100,100
80	0.0293	0.0287	0.0303	0.0287	0.0293	0.0287	0.0303	0.0287	70- 80	0.1692	1324	100,100
90	0	0	0	0	0	0	0	0	80- 90	0.0169	1324	100,100
100	0	0	0	0	0	0	0	0	90-100	0	1324	100,100
110	0	0	0	0	0	0	0	0	100-110	0	1324	100,100
120	0	0	0	0	0	0	0	0	110-120	0	1324	100,100
130	0	0	0	0	0	0	0	0	120-130	0	1324	100,100
140	0	0	0	0	0	0	0	0	130-140	0	1324	100,100
150	0	0	0	0	0	0	0	0	140-150	0	1324	100,100
160	0	0	0	0	0	0	0	0	150-160	0	1324	100,100
170	0	0	0	0	0	0	0	0	160-170	0	1324	100,100
180	0	0	0	0	0	0	0	0	170-180	0	1324	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Zonal (lm)		Total (lm)		Percent
0-10	322.37	0-10	322.37	24.35%
10-20	492.78	0-20	815.15	61.58%
20-30	342.97	0-30	1158.12	87.49%
30-40	140.62	0-40	1298.74	98.11%
40-50	14.40	0-50	1313.14	99.20%
50-60	7.90	0-60	1321.04	99.79%
60-70	2.55	0-70	1323.59	99.99%
70-80	0.17	0-80	1323.76	100.00%
80-90	0.02	0-90	1323.78	100.00%
90-100	0.00	0-100	1323.78	100.00%
100-110	0.00	0-110	1323.78	100.00%
110-120	0.00	0-120	1323.78	100.00%
120-130	0.00	0-130	1323.78	100.00%
130-140	0.00	0-140	1323.78	100.00%
140-150	0.00	0-150	1323.78	100.00%
150-160	0.00	0-160	1323.78	100.00%
160-170	0.00	0-170	1323.78	100.00%
170-180	0.00	0-180	1323.78	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	4085	4086	4088	4085	4084	4085	4086	4085	4084	4085	4088	4086	4085	4086	4088	4085	4084	4085	4086
5	3695	3695	3701	3699	3704	3705	3711	3705	3704	3699	3701	3695	3695	3695	3701	3699	3704	3705	3711
10	2742	2747	2750	2751	2755	2759	2764	2759	2755	2751	2750	2747	2742	2747	2750	2751	2755	2759	2764
15	1770	1773	1776	1778	1783	1788	1791	1788	1783	1778	1776	1773	1770	1773	1776	1778	1783	1788	1791
20	1069	1078	1086	1090	1096	1101	1103	1101	1096	1090	1086	1078	1069	1078	1086	1090	1096	1101	1103
25	725	732	738	743	747	751	752	751	747	743	738	732	725	732	738	743	747	751	752
30	480	486	492	497	501	506	507	506	501	497	492	486	480	486	492	497	501	506	507
35	195	202	212	219	225	228	230	228	225	219	212	202	195	202	212	219	225	228	230
40	34.2	34.3	34.4	34.6	35.0	35.5	35.5	35.5	35.0	34.6	34.4	34.3	34.2	34.3	34.4	34.6	35.0	35.5	35.5
45	15.6	15.7	15.8	16.0	16.1	16.3	16.5	16.3	16.1	16.0	15.8	15.7	15.6	15.7	15.8	16.0	16.1	16.3	16.5
50	11.5	11.6	11.7	11.8	11.9	12.0	12.2	12.0	11.9	11.8	11.7	11.6	11.5	11.6	11.7	11.8	11.9	12.0	12.2
55	8.69	8.81	8.98	9.11	9.21	9.33	9.48	9.33	9.21	9.11	8.98	8.81	8.69	8.81	8.98	9.11	9.21	9.33	9.48
60	5.10	5.18	5.24	5.34	5.45	5.52	5.66	5.52	5.45	5.34	5.24	5.18	5.10	5.18	5.24	5.34	5.45	5.52	5.66
65	2.20	2.27	2.31	2.32	2.40	2.48	2.55	2.48	2.40	2.32	2.31	2.27	2.20	2.27	2.31	2.32	2.40	2.48	2.55
70	0.71	0.69	0.73	0.78	0.81	0.86	0.92	0.86	0.81	0.78	0.73	0.69	0.71	0.69	0.73	0.78	0.81	0.86	0.92
75	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	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	0.01	0.02	0.02	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.02	0.02	0.01	0.02	0.02	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	4085	4084	4085	4088	4086														
5	3705	3704	3699	3701	3695														
10	2759	2755	2751	2750	2747														
15	1788	1783	1778	1776	1773														
20	1101	1096	1090	1086	1078														
25	751	747	743	738	732														
30	506	501	497	492	486														
35	228	225	219	212	202														
40	35.5	35.0	34.6	34.4	34.3														
45	16.3	16.1	16.0	15.8	15.7														
50	12.0	11.9	11.8	11.7	11.6														
55	9.33	9.21	9.11	8.98	8.81														
60	5.52	5.45	5.34	5.24	5.18														
65	2.48	2.40	2.32	2.31	2.27														
70	0.86	0.81	0.78	0.73	0.69														
75	0.06	0.06	0.05	0.05	0.05														
80	0.03	0.03	0.03	0.03	0.03														
85	0.02	0.01	0.01	0.02	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 @15W3000K	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	0.127	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*****