

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		1059
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Standard	Premium	104.9
			95	110	
Power (Input Wattage) (W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Case		10.1
Total Harmonic Distortion (A%) (THD & PF – Section 4.3)		ANSI C82.77:2002 ANSI C82-77-10:2020	20.00%	120V	13.28
Power Factor (THD & PF – Section 4.3)		ANSI C82.77:2002 ANSI C82-77-10:2020	0.9	120V	0.946
Allowable CCTs* (K) (Integrating Sphere – Section 4.1)		ANSI/IES LM-79:2019	7 steps	5029±283	5019
			4 steps	5029±220	
Minimum CRI (Integrating Sphere – Section 4.1)		ANSI/IES LM-79:2019 CIE13.3-1995	≥80		93.4
Minimum R9 (Integrating Sphere – Section 4.1)		ANSI/IES LM-79-2019 CIE13.3-1995	≥0		65
Minimum Rf (Integrating Sphere – Section 4.1)		ANSI/IES TM-30-18	≥70		91
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%		-5%
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		0.089
(Goniophotometer – Section 4.2)			Non-Worst Case		N/A
Power (Input Wattage – W)					
(Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Case		10.1
(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 @10W5000K	-	250903022-S1
2	Goniophotometer Test	2025-09-17	PIVOTL24DB @10W5000K	-	250903022-S1
3	THD and PF Test	2025-09-17	PIVOTL24DB @10W5000K	-	250903022-S1

Remark (If any):

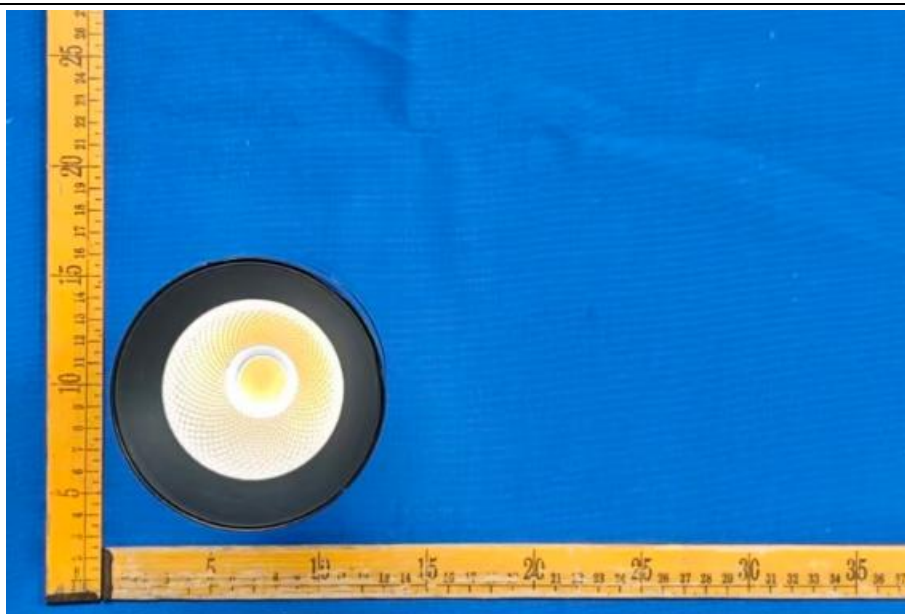
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3.0 Product Description

Luminaire Description: Model No. PIVOTL24DB @10W5000K, 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 @10W5000K	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.

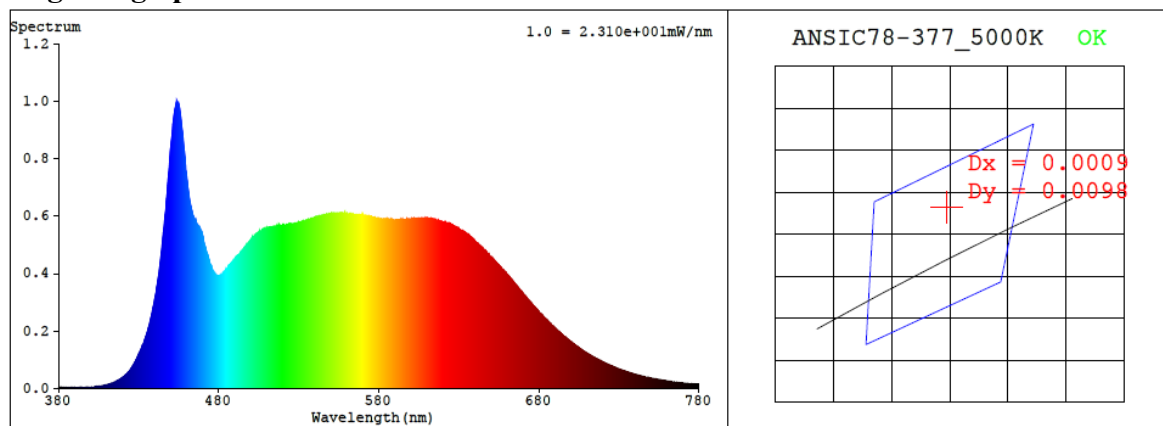
The sample was measured using 4π geometry and operated at rated voltage and was stabilized before measurement. Chromaticity coordinates, correlated color temperature and color rendering index were calculated from the spectral radiant flux measurements taken at 1 nm intervals over the range of 380 to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

Test Result

Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
120.0	60	0.089	10.1	0.946

CCT (K)	CRI	R9	Duv	SDCM	Rf	Rg	IES Rcs,h1
5019	93.4	65	0.0045	2.8	91	97	-5%

4.1 Integrating Sphere Test



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3454$ $y = 0.3610$ / $u' = 0.2081$ $v' = 0.4892$ ($duv=4.51e-03$)

CCT= 5019K Prcp WL: Ld=568.6nm Purity=12.0%

Peak WL: Lp=454nm FWHM: =26.5nm Ratio:R=17.0% G=77.4% B=5.7%

Render Index: Ra = 93.4 AvgR = 90.4 TM30:Rf=92 Rg=97

EEL: 0.13392 A+

R1 =93 R2 =97 R3 =98 R4 =92 R5 =93 R6 =95 R7 =94

R8 =86 R9 =65 R10=92 R11=93 R12=75 R13=94 R14=99 R15=90

4.1 Integrating Sphere Test

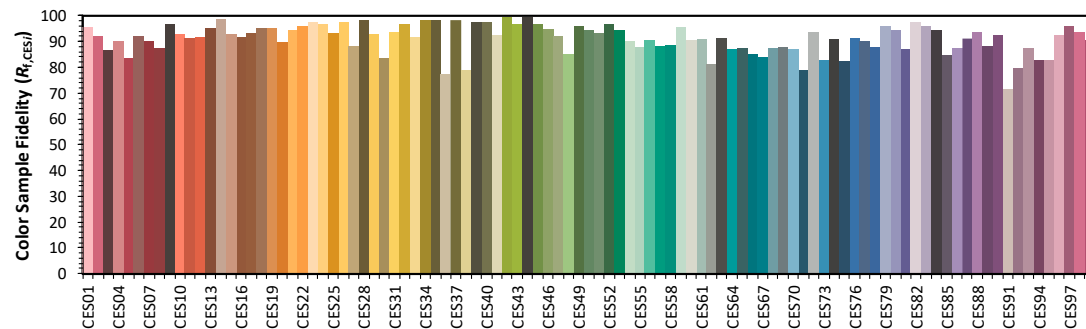
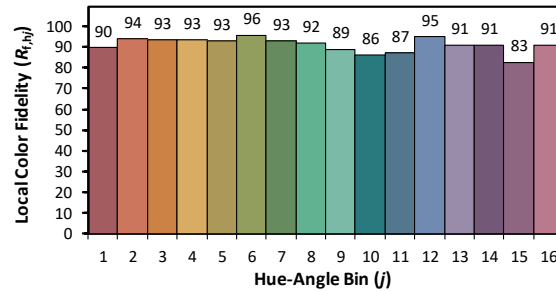
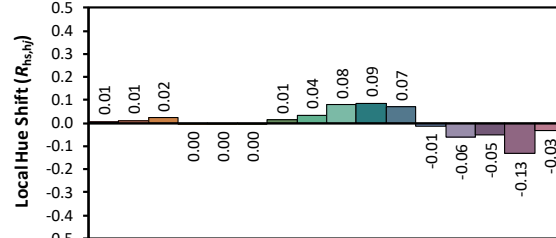
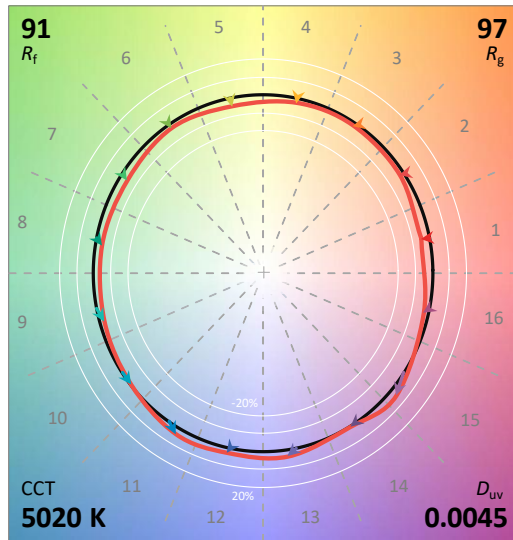
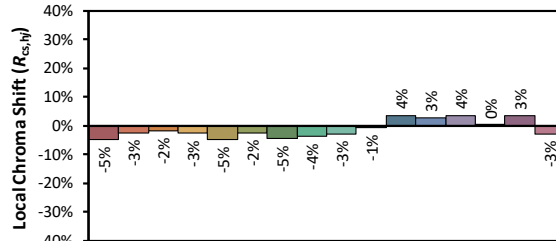
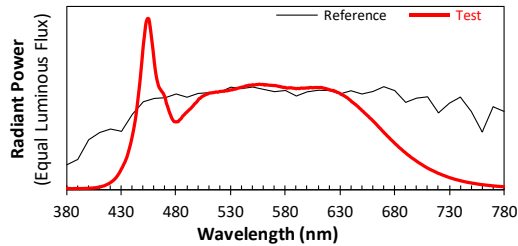
ANSI/IES TM-30-18 Color Rendition Report

Source: 1 CIE F1

Manufacturer: RAB Lighting Inc.

Date: 2025/9/19

Model: PIVOTL24DB @10W5000K



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

x 0.3454
 y 0.3609
 u' 0.2081
 v' 0.4892

CIE 13-1995
(CRI)
 R_a 93
 R_g 65

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	5.00E-06	447	6.33E-04	514	5.63E-04	581	5.89E-04	648	4.70E-04	715	1.07E-04
381	4.00E-06	448	7.02E-04	515	5.64E-04	582	5.89E-04	649	4.66E-04	716	1.04E-04
382	3.70E-06	449	7.69E-04	516	5.66E-04	583	5.90E-04	650	4.58E-04	717	1.01E-04
383	3.70E-06	450	8.41E-04	517	5.66E-04	584	5.90E-04	651	4.53E-04	718	9.81E-05
384	3.30E-06	451	8.93E-04	518	5.65E-04	585	5.91E-04	652	4.47E-04	719	9.44E-05
385	2.80E-06	452	9.51E-04	519	5.67E-04	586	5.90E-04	653	4.41E-04	720	9.18E-05
386	3.20E-06	453	9.83E-04	520	5.69E-04	587	5.88E-04	654	4.35E-04	721	8.98E-05
387	3.60E-06	454	9.94E-04	521	5.69E-04	588	5.88E-04	655	4.29E-04	722	8.67E-05
388	4.00E-06	455	9.92E-04	522	5.70E-04	589	5.87E-04	656	4.24E-04	723	8.42E-05
389	3.20E-06	456	9.56E-04	523	5.71E-04	590	5.85E-04	657	4.16E-04	724	8.17E-05
390	3.80E-06	457	9.08E-04	524	5.70E-04	591	5.87E-04	658	4.11E-04	725	7.94E-05
391	3.40E-06	458	8.55E-04	525	5.74E-04	592	5.87E-04	659	4.05E-04	726	7.73E-05
392	3.30E-06	459	8.02E-04	526	5.73E-04	593	5.86E-04	660	3.99E-04	727	7.41E-05
393	3.60E-06	460	7.42E-04	527	5.74E-04	594	5.89E-04	661	3.92E-04	728	7.23E-05
394	3.90E-06	461	6.91E-04	528	5.75E-04	595	5.89E-04	662	3.86E-04	729	6.97E-05
395	3.80E-06	462	6.51E-04	529	5.76E-04	596	5.88E-04	663	3.79E-04	730	6.76E-05
396	4.00E-06	463	6.24E-04	530	5.79E-04	597	5.89E-04	664	3.72E-04	731	6.55E-05
397	4.60E-06	464	6.00E-04	531	5.79E-04	598	5.89E-04	665	3.65E-04	732	6.36E-05
398	4.50E-06	465	5.87E-04	532	5.80E-04	599	5.90E-04	666	3.58E-04	733	6.16E-05
399	4.90E-06	466	5.78E-04	533	5.83E-04	600	5.90E-04	667	3.52E-04	734	5.98E-05
400	5.40E-06	467	5.68E-04	534	5.83E-04	601	5.89E-04	668	3.44E-04	735	5.75E-05
401	5.80E-06	468	5.60E-04	535	5.85E-04	602	5.92E-04	669	3.38E-04	736	5.61E-05
402	5.90E-06	469	5.47E-04	536	5.87E-04	603	5.92E-04	670	3.31E-04	737	5.42E-05
403	6.50E-06	470	5.32E-04	537	5.89E-04	604	5.92E-04	671	3.24E-04	738	5.28E-05
404	7.20E-06	471	5.03E-04	538	5.91E-04	605	5.91E-04	672	3.19E-04	739	5.11E-05
405	7.70E-06	472	4.85E-04	539	5.92E-04	606	5.92E-04	673	3.11E-04	740	4.93E-05
406	8.30E-06	473	4.65E-04	540	5.95E-04	607	5.92E-04	674	3.05E-04	741	4.77E-05
407	9.20E-06	474	4.46E-04	541	5.95E-04	608	5.92E-04	675	2.99E-04	742	4.63E-05
408	1.02E-05	475	4.31E-04	542	5.97E-04	609	5.92E-04	676	2.92E-04	743	4.47E-05
409	1.15E-05	476	4.14E-04	543	6.00E-04	610	5.92E-04	677	2.86E-04	744	4.34E-05
410	1.25E-05	477	4.04E-04	544	6.02E-04	611	5.92E-04	678	2.80E-04	745	4.22E-05
411	1.37E-05	478	3.95E-04	545	6.02E-04	612	5.92E-04	679	2.74E-04	746	4.05E-05
412	1.57E-05	479	3.93E-04	546	6.05E-04	613	5.92E-04	680	2.67E-04	747	3.94E-05
413	1.78E-05	480	3.92E-04	547	6.06E-04	614	5.90E-04	681	2.61E-04	748	3.83E-05
414	1.91E-05	481	3.94E-04	548	6.05E-04	615	5.89E-04	682	2.56E-04	749	3.72E-05
415	2.20E-05	482	3.94E-04	549	6.06E-04	616	5.86E-04	683	2.49E-04	750	3.61E-05
416	2.50E-05	483	4.03E-04	550	6.09E-04	617	5.87E-04	684	2.43E-04	751	3.47E-05
417	2.80E-05	484	4.08E-04	551	6.06E-04	618	5.83E-04	685	2.38E-04	752	3.39E-05
418	3.09E-05	485	4.15E-04	552	6.07E-04	619	5.82E-04	686	2.33E-04	753	3.32E-05
419	3.46E-05	486	4.25E-04	553	6.09E-04	620	5.79E-04	687	2.27E-04	754	3.19E-05
420	3.89E-05	487	4.31E-04	554	6.10E-04	621	5.78E-04	688	2.21E-04	755	3.07E-05
421	4.35E-05	488	4.38E-04	555	6.10E-04	622	5.76E-04	689	2.17E-04	756	2.98E-05
422	4.82E-05	489	4.45E-04	556	6.12E-04	623	5.75E-04	690	2.11E-04	757	2.87E-05
423	5.35E-05	490	4.50E-04	557	6.11E-04	624	5.75E-04	691	2.05E-04	758	2.78E-05
424	5.99E-05	491	4.56E-04	558	6.10E-04	625	5.71E-04	692	2.00E-04	759	2.69E-05
425	6.69E-05	492	4.63E-04	559	6.10E-04	626	5.69E-04	693	1.96E-04	760	2.62E-05
426	7.55E-05	493	4.68E-04	560	6.09E-04	627	5.65E-04	694	1.91E-04	761	2.54E-05
427	8.46E-05	494	4.75E-04	561	6.06E-04	628	5.63E-04	695	1.85E-04	762	2.47E-05
428	9.49E-05	495	4.82E-04	562	6.09E-04	629	5.61E-04	696	1.80E-04	763	2.39E-05
429	1.06E-04	496	4.89E-04	563	6.07E-04	630	5.57E-04	697	1.77E-04	764	2.34E-05
430	1.19E-04	497	4.98E-04	564	6.07E-04	631	5.52E-04	698	1.72E-04	765	2.24E-05
431	1.30E-04	498	5.03E-04	565	6.06E-04	632	5.50E-04	699	1.68E-04	766	2.20E-05
432	1.44E-04	499	5.10E-04	566	6.05E-04	633	5.46E-04	700	1.63E-04	767	2.10E-05
433	1.55E-04	500	5.18E-04	567	6.05E-04	634	5.43E-04	701	1.58E-04	768	2.06E-05
434	1.72E-04	501	5.27E-04	568	6.05E-04	635	5.38E-04	702	1.54E-04	769	1.97E-05
435	1.88E-04	502	5.29E-04	569	6.03E-04	636	5.34E-04	703	1.50E-04	770	1.91E-05
436	2.09E-04	503	5.36E-04	570	6.04E-04	637	5.30E-04	704	1.46E-04	771	1.85E-05
437	2.32E-04	504	5.41E-04	571	6.03E-04	638	5.25E-04	705	1.42E-04	772	1.79E-05
438	2.56E-04	505	5.44E-04	572	6.02E-04	639	5.20E-04	706	1.38E-04	773	1.74E-05
439	2.82E-04	506	5.47E-04	573	6.01E-04	640	5.14E-04	707	1.34E-04	774	1.67E-05
440	3.13E-04	507	5.50E-04	574	5.98E-04	641	5.07E-04	708	1.30E-04	775	1.64E-05
441	3.44E-04	508	5.53E-04	575	5.99E-04	642	5.04E-04	709	1.27E-04	776	1.57E-05
442	3.79E-04	509	5.55E-04	576	5.95E-04	643	4.98E-04	710	1.23E-04	777	1.54E-05
443	4.19E-04	510	5.59E-04	577	5.95E-04	644	4.94E-04	711	1.20E-04	778	1.48E-05
444	4.68E-04	511	5.60E-04	578	5.92E-04	645	4.88E-04	712	1.16E-04	779	1.48E-05
445	5.21E-04	512	5.61E-04	579	5.93E-04	646	4.83E-04	713	1.13E-04	780	1.49E-05
446	5.76E-04	513	5.62E-04	580	5.92E-04	647	4.77E-04	714	1.10E-04	N/A	N/A

4.0 LM-79 Measurement and Test Results

4.2 Goniophotometer Test

Model No.	PIVOTL24DB @10W5000K	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	0.089	10.1	0.946
NON-WORST CASE	N/A	N/A	N/A	N/A	N/A

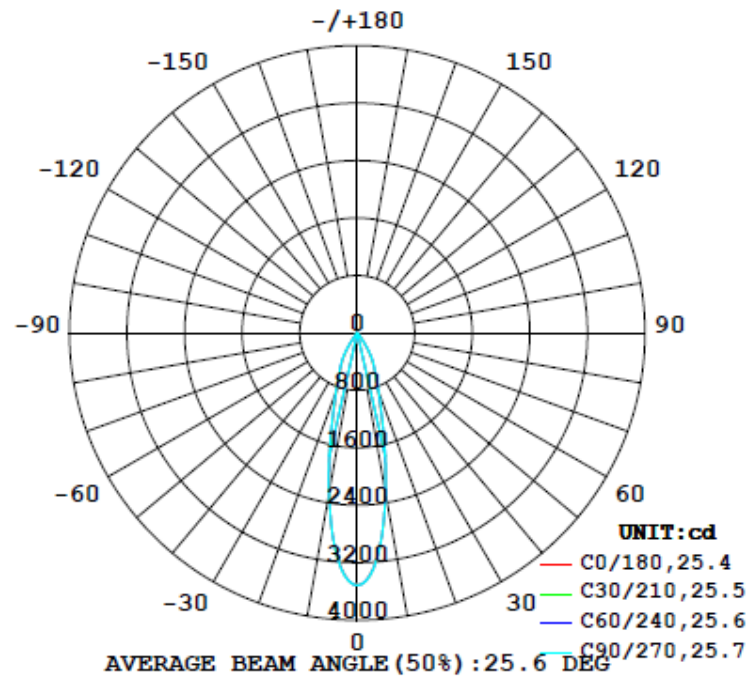
Test Result

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°)
1059	61.0	62.3	25.5	25.7	104.9	100.0%

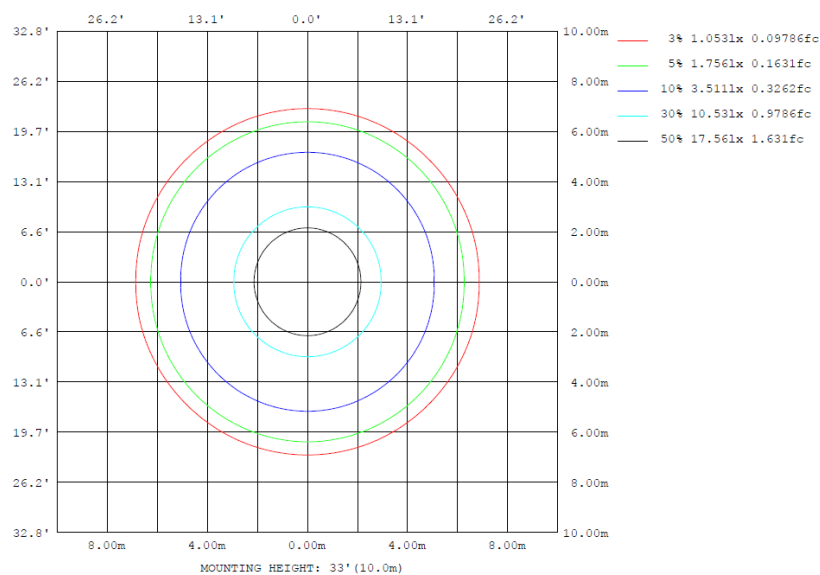
4.2 Goniophotometer Test

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	2263	2266	2267	2266	2263	2266	2267	2266	0- 10	271.4	271.4	25.6, 25.6
20	838.6	856.5	868.3	856.5	838.6	856.5	868.3	856.5	10- 20	391.5	663.0	62.6, 62.6
30	372.8	396.8	405.2	396.8	372.8	396.8	405.2	396.8	20- 30	266.8	929.8	87.8, 87.8
40	27.90	27.91	24.85	27.91	27.90	27.91	24.85	27.91	30- 40	109.9	1040	98.1, 98.1
50	9.090	9.290	9.572	9.290	9.090	9.290	9.572	9.290	40- 50	11.30	1051	99.2, 99.2
60	4.005	4.204	4.452	4.204	4.005	4.204	4.452	4.204	50- 60	6.230	1057	99.8, 99.8
70	0.5518	0.6103	0.7269	0.6103	0.5518	0.6103	0.7269	0.6103	60- 70	2.006	1059	100, 100
80	0.0235	0.0224	0.0231	0.0224	0.0235	0.0224	0.0231	0.0224	70- 80	0.1326	1059	100, 100
90	0	0	0	0	0	0	0	0	80- 90	0.0135	1059	100, 100
100	0	0	0	0	0	0	0	0	90-100	0	1059	100, 100
110	0	0	0	0	0	0	0	0	100-110	0	1059	100, 100
120	0	0	0	0	0	0	0	0	110-120	0	1059	100, 100
130	0	0	0	0	0	0	0	0	120-130	0	1059	100, 100
140	0	0	0	0	0	0	0	0	130-140	0	1059	100, 100
150	0	0	0	0	0	0	0	0	140-150	0	1059	100, 100
160	0	0	0	0	0	0	0	0	150-160	0	1059	100, 100
170	0	0	0	0	0	0	0	0	160-170	0	1059	100, 100
180	0	0	0	0	0	0	0	0	170-180	0	1059	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Zonal (lm)		Total (lm)		Percent
0-10	271.45	0-10	271.45	25.62%
10-20	391.53	0-20	662.98	62.58%
20-30	266.83	0-30	929.81	87.77%
30-40	109.90	0-40	1039.71	98.14%
40-50	11.30	0-50	1051.01	99.21%
50-60	6.23	0-60	1057.24	99.80%
60-70	2.01	0-70	1059.25	99.99%
70-80	0.13	0-80	1059.38	100.00%
80-90	0.01	0-90	1059.39	100.00%
90-100	0.00	0-100	1059.39	100.00%
100-110	0.00	0-110	1059.39	100.00%
110-120	0.00	0-120	1059.39	100.00%
120-130	0.00	0-130	1059.39	100.00%
130-140	0.00	0-140	1059.39	100.00%
140-150	0.00	0-150	1059.39	100.00%
150-160	0.00	0-160	1059.39	100.00%
160-170	0.00	0-170	1059.39	100.00%
170-180	0.00	0-180	1059.39	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	3511	3514	3512	3513	3516	3513	3513	3513	3516	3513	3512	3514	3511	3514	3512	3513	3516	3513	3513
5	3147	3151	3146	3146	3150	3153	3159	3153	3150	3146	3146	3151	3147	3151	3146	3146	3150	3153	3159
10	2263	2264	2263	2266	2264	2266	2267	2266	2264	2266	2263	2264	2263	2264	2263	2266	2264	2266	2267
15	1384	1393	1401	1407	1410	1415	1417	1415	1410	1407	1401	1393	1384	1393	1401	1407	1410	1415	1417
20	839	845	852	856	861	865	868	865	861	856	852	845	839	845	852	856	861	865	868
25	566	571	576	577	576	577	577	577	576	577	576	571	566	571	576	577	576	577	577
30	373	380	389	397	403	406	405	406	403	397	389	380	373	380	389	397	403	406	405
35	165	168	167	166	168	171	171	171	168	166	167	168	165	168	167	166	168	171	171
40	27.9	28.3	27.8	27.9	26.4	25.0	24.8	25.0	26.4	27.9	27.8	28.3	27.9	28.3	27.8	27.9	26.4	25.0	24.8
45	12.3	12.3	12.4	12.6	12.6	12.8	13.0	12.8	12.6	12.6	12.4	12.3	12.3	12.3	12.4	12.6	12.6	12.8	13.0
50	9.09	9.13	9.22	9.29	9.38	9.48	9.57	9.48	9.38	9.29	9.22	9.13	9.09	9.13	9.22	9.29	9.38	9.48	9.57
55	6.85	6.94	7.07	7.20	7.27	7.37	7.49	7.37	7.27	7.20	7.07	6.94	6.85	6.94	7.07	7.20	7.27	7.37	7.49
60	4.00	4.07	4.12	4.20	4.29	4.35	4.45	4.35	4.29	4.20	4.12	4.07	4.00	4.07	4.12	4.20	4.29	4.35	4.45
65	1.73	1.77	1.81	1.83	1.89	1.95	2.00	1.95	1.89	1.83	1.81	1.77	1.73	1.77	1.81	1.83	1.89	1.95	2.00
70	0.55	0.54	0.57	0.61	0.64	0.68	0.73	0.68	0.64	0.61	0.57	0.54	0.55	0.54	0.57	0.61	0.64	0.68	0.73
75	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05
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	3513	3516	3513	3512	3514														
5	3153	3150	3146	3146	3151														
10	2266	2264	2266	2263	2264														
15	1415	1410	1407	1401	1393														
20	865	861	856	852	845														
25	577	576	577	576	571														
30	406	403	397	389	380														
35	171	168	166	167	168														
40	25.0	26.4	27.9	27.8	28.3														
45	12.8	12.6	12.6	12.4	12.3														
50	9.48	9.38	9.29	9.22	9.13														
55	7.37	7.27	7.20	7.07	6.94														
60	4.35	4.29	4.20	4.12	4.07														
65	1.95	1.89	1.83	1.81	1.77														
70	0.68	0.64	0.61	0.57	0.54														
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 @10W5000K	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	0.089	10.1	0.946	13.28

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*******