

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		1377
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Standard	Premium	92.4
			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	9.78
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	3465±245	3443
			4 steps	3465±124	
Minimum CRI (Integrating Sphere – Section 4.1)		ANSI/IES LM-79:2019 CIE13.3-1995	≥80		96.8
Minimum R9 (Integrating Sphere – Section 4.1)		ANSI/IES LM-79-2019 CIE13.3-1995	≥0		79
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		99
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 @15W3500K	-	250903022-S1
2	Goniophotometer Test	2025-09-17	PIVOTL24DB @15W3500K	-	250903022-S1
3	THD and PF Test	2025-09-17	PIVOTL24DB @15W3500K	-	250903022-S1

Remark (If any):

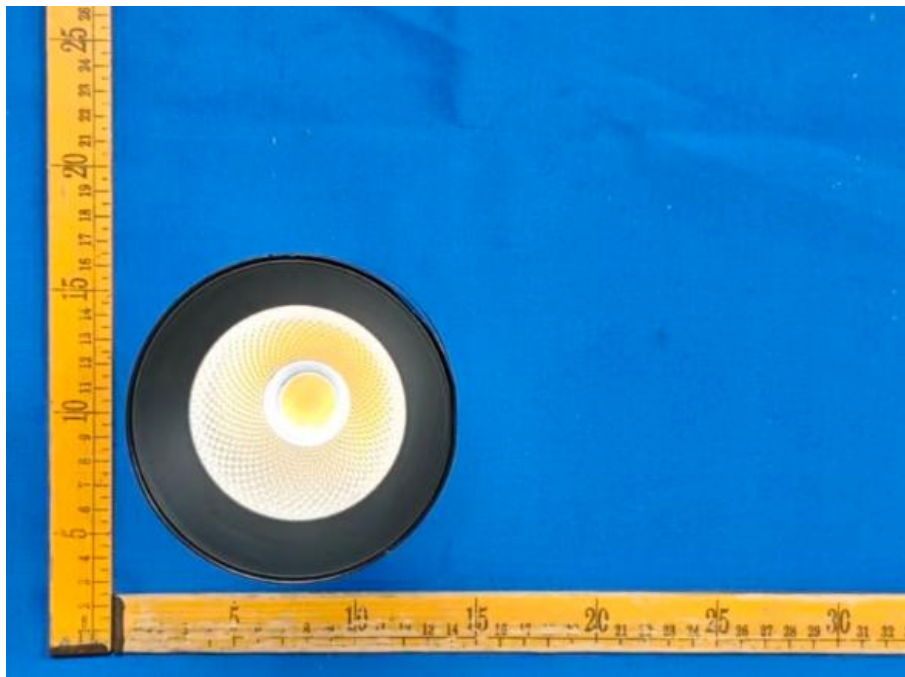
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3.0 Product Description

Luminaire Description: Model No. PIVOTL24DB @15W3500K, 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 @15W3500K	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±1°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.

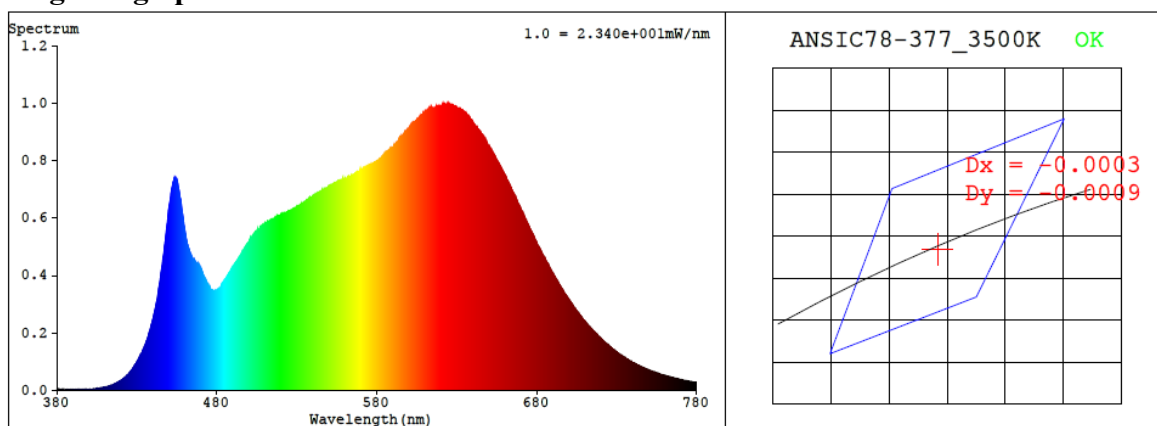
The sample was measured using 4 π geometry and operated at rated voltage and was stabilized before measurement. Chromaticity coordinates, correlated color temperature and color rendering index were calculated from the spectral radiant flux measurements taken at 1 nm intervals over the range of 380 to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

Test Result

Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
120.0	60	0.128	14.9	0.972

CCT (K)	CRI	R9	Duv	SDCM	Rf	Rg	IES Rcs,h1
3443	96.8	79	-0.0003	1.0	93	99	-3%

4.1 Integrating Sphere Test



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4082$ $y = 0.3914$ / $u' = 0.2373$ $v' = 0.5120$ ($duv = -3.10e-04$)

CCT= 3443K Prcp WL: $L_d = 581.2\text{nm}$ Purity=40.0%

Peak WL: $L_p = 624\text{nm}$ FWHM: $= 183.4\text{nm}$ Ratio: R=22.5% G=73.6% B=3.9%

Render Index: $R_a = 96.8$ AvgR = 95.1 TM30: $R_f = 94$ $R_g = 99$

EEL: 0.16037 A+

R1 =98 R2 =100 R3 =99 R4 =97 R5 =97 R6 =97 R7 =95

R8 =90 R9 =79 R10=98 R11=99 R12=83 R13=99 R14=99 R15=95

4.1 Integrating Sphere Test

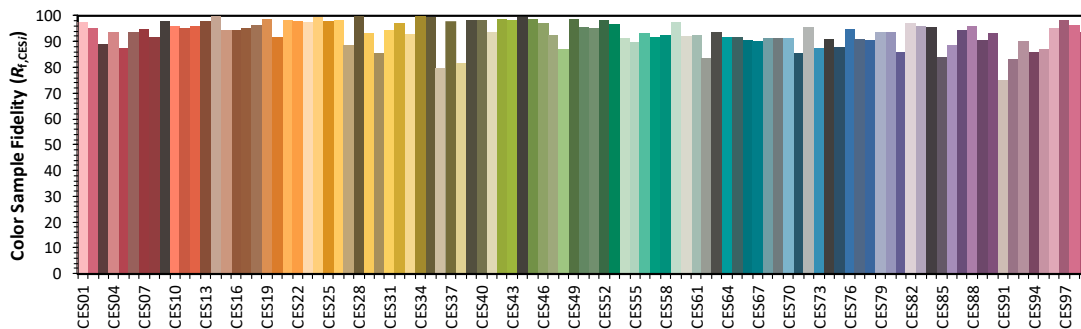
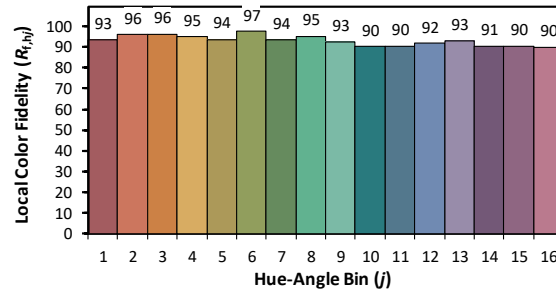
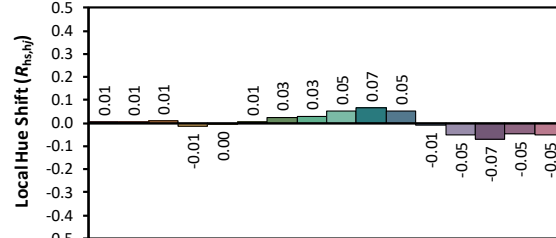
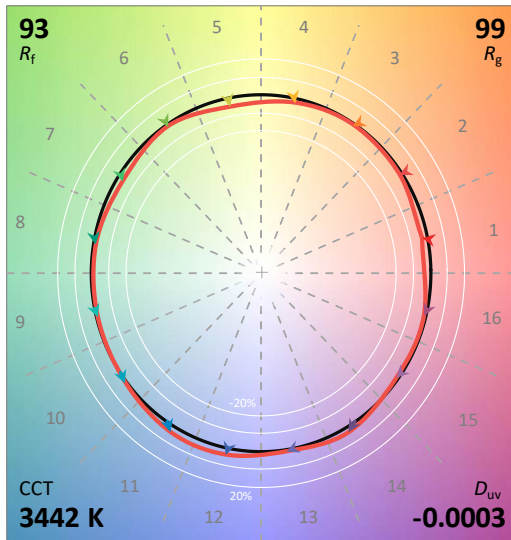
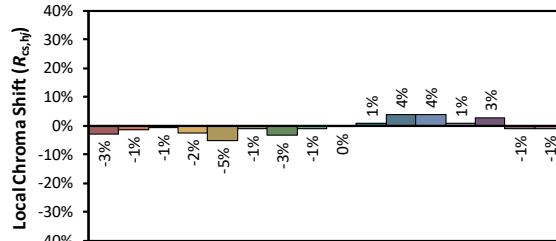
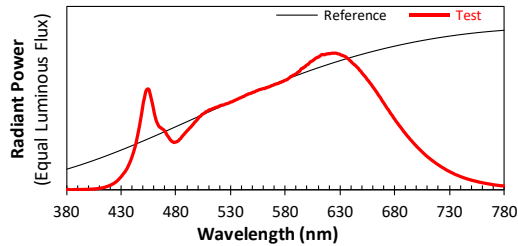
ANSI/IES TM-30-18 Color Rendition Report

Source: 1 CIE F1

Manufacturer: RAB Lighting Inc.

Date: 2025/9/19

Model: PIVOTL24DB @15W3500K



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

x 0.4082
 y 0.3914
 u' 0.2373
 v' 0.5120

CIE 13.3-1995
(CRI)
 R_a 97
 R_9 79

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	2.50E-06	447	4.90E-04	514	5.93E-04	581	8.01E-04	648	8.70E-04	715	2.10E-04
381	3.50E-06	448	5.36E-04	515	5.97E-04	582	8.06E-04	649	8.64E-04	716	2.04E-04
382	2.50E-06	449	5.84E-04	516	6.00E-04	583	8.13E-04	650	8.51E-04	717	1.98E-04
383	1.70E-06	450	6.36E-04	517	6.03E-04	584	8.19E-04	651	8.42E-04	718	1.92E-04
384	8.00E-07	451	6.70E-04	518	6.04E-04	585	8.26E-04	652	8.33E-04	719	1.86E-04
385	1.30E-06	452	7.09E-04	519	6.08E-04	586	8.30E-04	653	8.24E-04	720	1.82E-04
386	2.10E-06	453	7.29E-04	520	6.12E-04	587	8.34E-04	654	8.14E-04	721	1.76E-04
387	2.60E-06	454	7.35E-04	521	6.16E-04	588	8.37E-04	655	8.02E-04	722	1.71E-04
388	2.30E-06	455	7.32E-04	522	6.17E-04	589	8.43E-04	656	7.93E-04	723	1.66E-04
389	2.50E-06	456	7.05E-04	523	6.18E-04	590	8.46E-04	657	7.83E-04	724	1.61E-04
390	3.10E-06	457	6.72E-04	524	6.21E-04	591	8.54E-04	658	7.72E-04	725	1.57E-04
391	2.40E-06	458	6.39E-04	525	6.25E-04	592	8.60E-04	659	7.62E-04	726	1.52E-04
392	2.70E-06	459	6.01E-04	526	6.27E-04	593	8.64E-04	660	7.49E-04	727	1.46E-04
393	2.90E-06	460	5.60E-04	527	6.29E-04	594	8.77E-04	661	7.39E-04	728	1.41E-04
394	3.20E-06	461	5.27E-04	528	6.32E-04	595	8.85E-04	662	7.28E-04	729	1.38E-04
395	3.30E-06	462	5.00E-04	529	6.36E-04	596	8.86E-04	663	7.16E-04	730	1.34E-04
396	3.30E-06	463	4.82E-04	530	6.40E-04	597	8.94E-04	664	7.06E-04	731	1.29E-04
397	3.40E-06	464	4.66E-04	531	6.42E-04	598	8.97E-04	665	6.92E-04	732	1.25E-04
398	3.60E-06	465	4.56E-04	532	6.45E-04	599	9.07E-04	666	6.81E-04	733	1.22E-04
399	4.10E-06	466	4.53E-04	533	6.50E-04	600	9.11E-04	667	6.70E-04	734	1.18E-04
400	4.00E-06	467	4.45E-04	534	6.53E-04	601	9.16E-04	668	6.56E-04	735	1.14E-04
401	4.90E-06	468	4.41E-04	535	6.57E-04	602	9.26E-04	669	6.43E-04	736	1.10E-04
402	5.00E-06	469	4.34E-04	536	6.61E-04	603	9.33E-04	670	6.32E-04	737	1.07E-04
403	5.30E-06	470	4.26E-04	537	6.64E-04	604	9.37E-04	671	6.20E-04	738	1.04E-04
404	5.90E-06	471	4.09E-04	538	6.69E-04	605	9.42E-04	672	6.07E-04	739	1.01E-04
405	6.90E-06	472	3.96E-04	539	6.71E-04	606	9.48E-04	673	5.95E-04	740	9.68E-05
406	6.90E-06	473	3.85E-04	540	6.75E-04	607	9.55E-04	674	5.85E-04	741	9.45E-05
407	8.10E-06	474	3.72E-04	541	6.79E-04	608	9.60E-04	675	5.73E-04	742	9.16E-05
408	9.50E-06	475	3.62E-04	542	6.81E-04	609	9.65E-04	676	5.59E-04	743	8.81E-05
409	9.90E-06	476	3.54E-04	543	6.87E-04	610	9.66E-04	677	5.49E-04	744	8.58E-05
410	1.16E-05	477	3.50E-04	544	6.91E-04	611	9.73E-04	678	5.38E-04	745	8.33E-05
411	1.21E-05	478	3.45E-04	545	6.94E-04	612	9.77E-04	679	5.25E-04	746	8.05E-05
412	1.44E-05	479	3.47E-04	546	6.99E-04	613	9.85E-04	680	5.14E-04	747	7.79E-05
413	1.56E-05	480	3.49E-04	547	7.00E-04	614	9.86E-04	681	5.02E-04	748	7.62E-05
414	1.72E-05	481	3.53E-04	548	7.03E-04	615	9.85E-04	682	4.92E-04	749	7.35E-05
415	1.94E-05	482	3.57E-04	549	7.05E-04	616	9.84E-04	683	4.81E-04	750	7.12E-05
416	2.29E-05	483	3.67E-04	550	7.11E-04	617	9.89E-04	684	4.70E-04	751	6.88E-05
417	2.47E-05	484	3.73E-04	551	7.12E-04	618	9.90E-04	685	4.60E-04	752	6.73E-05
418	2.83E-05	485	3.84E-04	552	7.15E-04	619	9.92E-04	686	4.49E-04	753	6.47E-05
419	3.13E-05	486	3.94E-04	553	7.20E-04	620	9.92E-04	687	4.40E-04	754	6.33E-05
420	3.46E-05	487	4.03E-04	554	7.23E-04	621	9.93E-04	688	4.27E-04	755	6.11E-05
421	3.86E-05	488	4.12E-04	555	7.25E-04	622	9.95E-04	689	4.18E-04	756	5.92E-05
422	4.30E-05	489	4.21E-04	556	7.30E-04	623	9.96E-04	690	4.08E-04	757	5.73E-05
423	4.70E-05	490	4.30E-04	557	7.32E-04	624	9.95E-04	691	3.98E-04	758	5.54E-05
424	5.28E-05	491	4.38E-04	558	7.33E-04	625	9.96E-04	692	3.89E-04	759	5.40E-05
425	5.82E-05	492	4.47E-04	559	7.37E-04	626	9.96E-04	693	3.79E-04	760	5.22E-05
426	6.52E-05	493	4.55E-04	560	7.38E-04	627	9.94E-04	694	3.69E-04	761	5.05E-05
427	7.28E-05	494	4.63E-04	561	7.38E-04	628	9.91E-04	695	3.61E-04	762	4.89E-05
428	8.15E-05	495	4.72E-04	562	7.44E-04	629	9.90E-04	696	3.52E-04	763	4.74E-05
429	8.98E-05	496	4.82E-04	563	7.44E-04	630	9.86E-04	697	3.42E-04	764	4.58E-05
430	9.89E-05	497	4.93E-04	564	7.48E-04	631	9.81E-04	698	3.34E-04	765	4.47E-05
431	1.09E-04	498	5.00E-04	565	7.50E-04	632	9.80E-04	699	3.26E-04	766	4.31E-05
432	1.20E-04	499	5.09E-04	566	7.53E-04	633	9.76E-04	700	3.17E-04	767	4.15E-05
433	1.29E-04	500	5.18E-04	567	7.57E-04	634	9.74E-04	701	3.08E-04	768	4.09E-05
434	1.42E-04	501	5.31E-04	568	7.61E-04	635	9.69E-04	702	3.01E-04	769	3.87E-05
435	1.54E-04	502	5.34E-04	569	7.63E-04	636	9.63E-04	703	2.92E-04	770	3.77E-05
436	1.70E-04	503	5.43E-04	570	7.68E-04	637	9.56E-04	704	2.85E-04	771	3.65E-05
437	1.88E-04	504	5.51E-04	571	7.70E-04	638	9.51E-04	705	2.77E-04	772	3.52E-05
438	2.06E-04	505	5.54E-04	572	7.72E-04	639	9.41E-04	706	2.70E-04	773	3.43E-05
439	2.27E-04	506	5.60E-04	573	7.74E-04	640	9.36E-04	707	2.61E-04	774	3.32E-05
440	2.50E-04	507	5.67E-04	574	7.78E-04	641	9.26E-04	708	2.55E-04	775	3.22E-05
441	2.74E-04	508	5.72E-04	575	7.82E-04	642	9.19E-04	709	2.47E-04	776	3.14E-05
442	3.02E-04	509	5.74E-04	576	7.83E-04	643	9.13E-04	710	2.41E-04	777	3.03E-05
443	3.30E-04	510	5.82E-04	577	7.89E-04	644	9.06E-04	711	2.34E-04	778	2.95E-05
444	3.68E-04	511	5.84E-04	578	7.91E-04	645	8.98E-04	712	2.28E-04	779	2.96E-05
445	4.06E-04	512	5.86E-04	579	7.96E-04	646	8.90E-04	713	2.22E-04	780	2.97E-05
446	4.46E-04	513	5.90E-04	580	7.99E-04	647	8.82E-04	714	2.15E-04	N/A	N/A

4.0 LM-79 Measurement and Test Results

4.2 Goniophotometer Test

Model No.	PIVOTL24DB @15W3500K	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	0.972
NON-WORST CASE	N/A	N/A	N/A	N/A	N/A

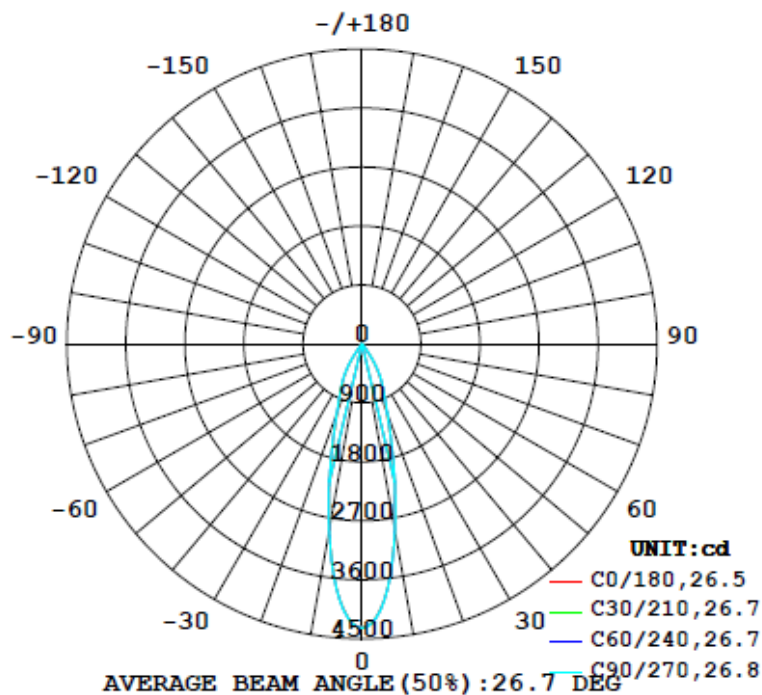
Test Result

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°)
1377	62.1	63.2	26.6	26.8	92.4	100.0%

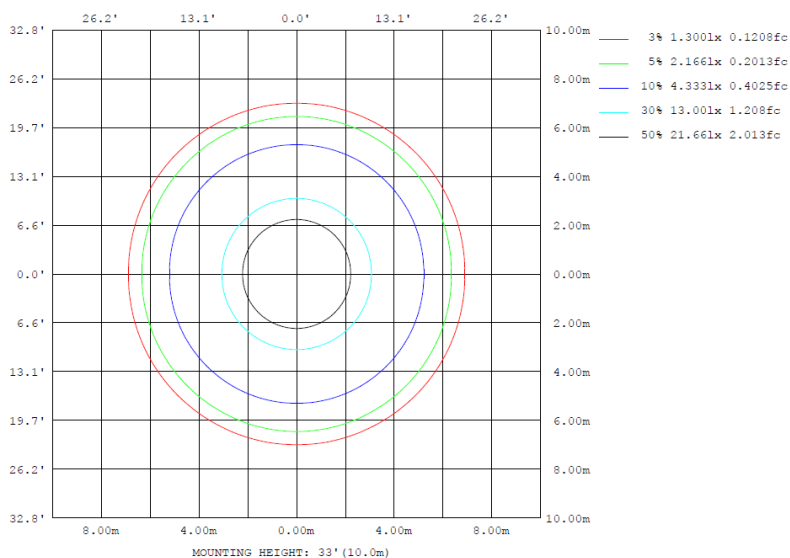
4.2 Goniophotometer Test

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	2880	2889	2893	2889	2880	2889	2893	2889	0- 10	340.3	340.3	24.7,24.7
20	1099	1122	1136	1122	1099	1122	1136	1122	10- 20	511.4	851.6	61.8,61.8
30	495.3	516.3	526.8	516.3	495.3	516.3	526.8	516.3	20- 30	353.8	1205	87.5,87.5
40	35.78	36.24	35.46	36.24	35.78	36.24	35.46	36.24	30- 40	145.9	1351	98.1,98.1
50	11.95	12.21	12.58	12.21	11.95	12.21	12.58	12.21	40- 50	14.91	1366	99.2,99.2
60	5.284	5.541	5.863	5.541	5.284	5.541	5.863	5.541	50- 60	8.181	1374	99.8,99.8
70	0.7309	0.8121	0.9602	0.8121	0.7309	0.8121	0.9602	0.8121	60- 70	2.649	1377	100,100
80	0.0319	0.0310	0.0323	0.0310	0.0319	0.0310	0.0323	0.0310	70- 80	0.1776	1377	100,100
90	0	0	0	0	0	0	0	0	80- 90	0.0184	1377	100,100
100	0	0	0	0	0	0	0	0	90-100	0	1377	100,100
110	0	0	0	0	0	0	0	0	100-110	0	1377	100,100
120	0	0	0	0	0	0	0	0	110-120	0	1377	100,100
130	0	0	0	0	0	0	0	0	120-130	0	1377	100,100
140	0	0	0	0	0	0	0	0	130-140	0	1377	100,100
150	0	0	0	0	0	0	0	0	140-150	0	1377	100,100
160	0	0	0	0	0	0	0	0	150-160	0	1377	100,100
170	0	0	0	0	0	0	0	0	160-170	0	1377	100,100
180	0	0	0	0	0	0	0	0	170-180	0	1377	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

	Zonal (lm)		Total (lm)	Percent
0-10	340.27	0-10	340.27	24.71%
10-20	511.35	0-20	851.62	61.84%
20-30	353.76	0-30	1205.38	87.52%
30-40	145.92	0-40	1351.30	98.12%
40-50	14.91	0-50	1366.21	99.20%
50-60	8.18	0-60	1374.39	99.79%
60-70	2.65	0-70	1377.04	99.99%
70-80	0.18	0-80	1377.22	100.00%
80-90	0.02	0-90	1377.24	100.00%
90-100	0.00	0-100	1377.24	100.00%
100-110	0.00	0-110	1377.24	100.00%
110-120	0.00	0-120	1377.24	100.00%
120-130	0.00	0-130	1377.24	100.00%
130-140	0.00	0-140	1377.24	100.00%
140-150	0.00	0-150	1377.24	100.00%
150-160	0.00	0-160	1377.24	100.00%
160-170	0.00	0-170	1377.24	100.00%
170-180	0.00	0-180	1377.24	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	4333	4331	4331	4333	4331	4334	4335	4334	4331	4333	4331	4331	4333	4331	4331	4333	4331	4334	4335
5	3916	3916	3916	3920	3921	3928	3926	3928	3921	3920	3916	3916	3916	3916	3916	3920	3921	3928	3926
10	2880	2882	2886	2889	2887	2893	2893	2887	2889	2886	2882	2880	2882	2886	2889	2887	2893	2893	
15	1829	1835	1843	1846	1850	1854	1856	1854	1850	1846	1843	1835	1829	1835	1843	1846	1850	1854	1856
20	1099	1109	1118	1122	1128	1133	1136	1133	1128	1122	1118	1109	1099	1109	1118	1122	1128	1133	1136
25	748	755	761	766	768	770	771	770	768	766	761	755	748	755	761	766	768	770	771
30	495	503	509	516	522	526	527	526	522	516	509	503	495	503	509	516	522	526	527
35	207	214	221	226	231	235	236	235	231	226	221	214	207	214	221	226	231	235	236
40	35.8	36.4	36.3	36.2	36.0	35.4	35.5	35.4	36.0	36.2	36.3	36.4	35.8	36.4	36.3	36.2	36.0	35.4	35.5
45	16.1	16.2	16.4	16.5	16.7	16.9	17.1	16.9	16.7	16.5	16.4	16.2	16.1	16.2	16.4	16.5	16.7	16.9	17.1
50	11.9	12.0	12.1	12.2	12.3	12.5	12.6	12.5	12.3	12.2	12.1	12.0	11.9	12.0	12.1	12.2	12.3	12.5	12.6
55	8.92	9.11	9.28	9.43	9.53	9.56	9.74	9.56	9.53	9.43	9.28	9.11	8.92	9.11	9.28	9.43	9.53	9.56	9.74
60	5.28	5.37	5.43	5.54	5.65	5.72	5.86	5.72	5.65	5.54	5.43	5.37	5.28	5.37	5.43	5.54	5.65	5.72	5.86
65	2.28	2.34	2.40	2.41	2.49	2.57	2.65	2.57	2.49	2.41	2.40	2.34	2.28	2.34	2.40	2.41	2.49	2.57	2.65
70	0.73	0.72	0.76	0.81	0.85	0.90	0.96	0.90	0.85	0.81	0.76	0.72	0.73	0.72	0.76	0.81	0.85	0.90	0.96
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	0.02	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) y (DEG)	285	300	315	330	345														
0	4334	4331	4333	4331	4331														
5	3928	3921	3920	3916	3916														
10	2893	2887	2889	2886	2882														
15	1854	1850	1846	1843	1835														
20	1133	1128	1122	1118	1109														
25	770	768	766	761	755														
30	526	522	516	509	503														
35	235	231	226	221	214														
40	35.4	36.0	36.2	36.3	36.4														
45	16.9	16.7	16.5	16.4	16.2														
50	12.5	12.3	12.2	12.1	12.0														
55	9.56	9.53	9.43	9.28	9.11														
60	5.72	5.65	5.54	5.43	5.37														
65	2.57	2.49	2.41	2.40	2.34														
70	0.90	0.85	0.81	0.76	0.72														
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	0.02	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 @15W3500K	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	0.972	9.78

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*****