

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		1619
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Standard	Premium	83.4
			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	2725±145	2755
			4 steps	2725±83	
Minimum CRI (Integrating Sphere – Section 4.1)		ANSI/IES LM-79:2019 CIE13.3-1995	≥80		95.7
Minimum R9 (Integrating Sphere – Section 4.1)		ANSI/IES LM-79-2019 CIE13.3-1995	≥0		69
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		97
IES Rcs,h1 (Integrating Sphere – Section 4.1)		ANSI/IES TM-30-18	-12%≤IES Rcs,h1≤+23%		-4%
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 @20W2700K	-	250903022-S1
2	Goniophotometer Test	2025-09-17	PIVOTL24DB @20W2700K	-	250903022-S1
3	THD and PF Test	2025-09-17	PIVOTL24DB @20W2700K	-	250903022-S1

Remark (If any):

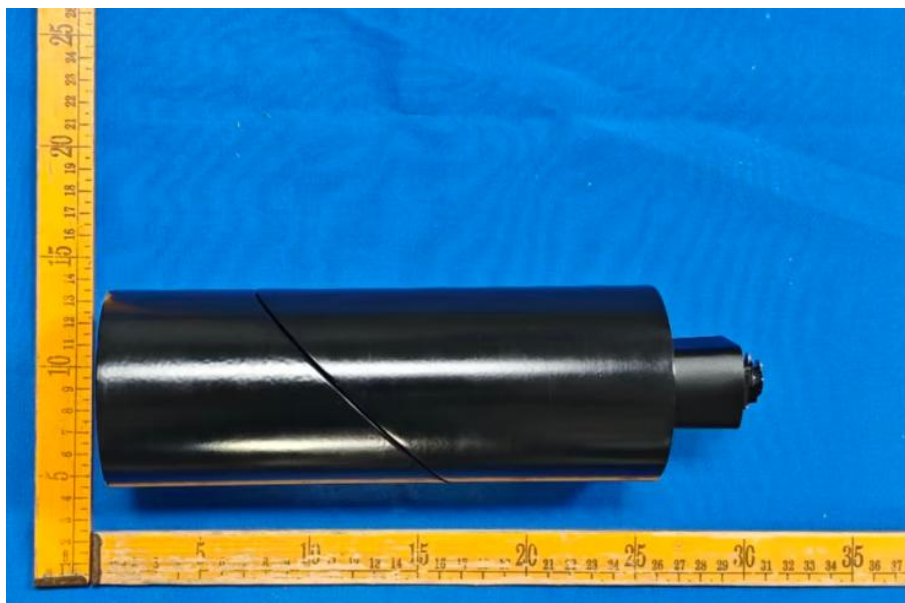
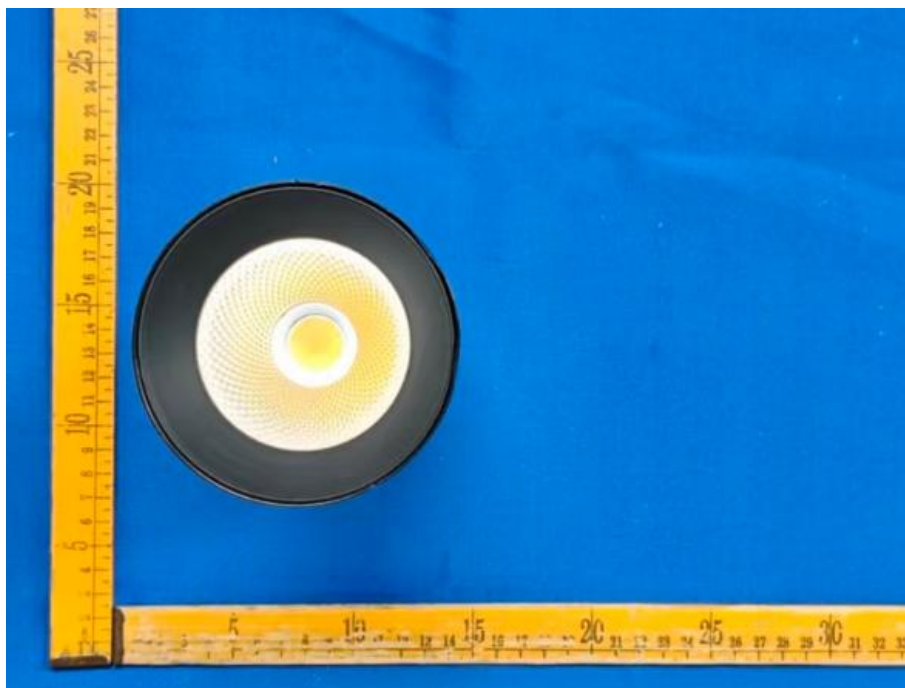
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3.0 Product Description

Luminaire Description: Model No. PIVOTL24DB @20W2700K, 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 @20W2700K	Sample ID	250903022-S1
Operate time (Min.)	10	Stabilization time (Min.)	60
Temperature (°C)	25.4	Humidity (%RH)	41.0

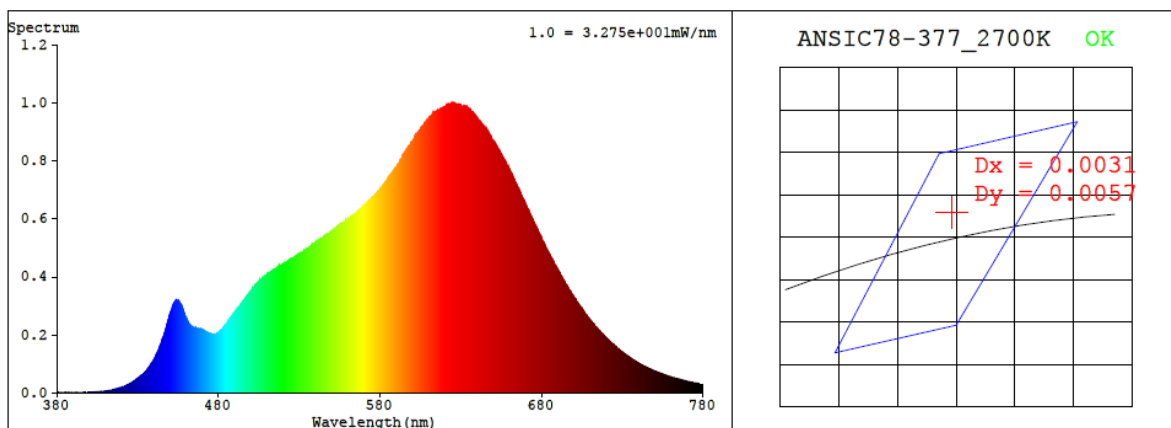
Test Method
<p>The Samples were tested according to the ANSI/IES LM-79:2019.</p> <p>Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at 25±1°C.</p> <p>The sample measurements were made 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	0.164	19.4	0.983

CCT (K)	CRI	R9	Duv	SDCM	Rf	Rg	IES Rcs,h1
2755	95.7	69	0.0018	1.9	93	97	-4%

4.1 Integrating Sphere Test



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4585$ $y = 0.4152$ / $u' = 0.2596$ $v' = 0.5289$ ($duv=1.83e-03$)

CCT= 2755K Prcp WL: Ld=583.4nm Purity=62.3%

Peak WL: Lp=624nm FWHM: =146.5nm Ratio:R=26.4% G=70.9% B=2.7%

Render Index: Ra = 95.7 AvgR = 93.8 TM30:Rf=94 Rg=98

EEL: 0.17791 A

R1 =96 R2 =99 R3 =100 R4 =97 R5 =97 R6 =98 R7 =93

R8 =86 R9 =69 R10=96 R11=99 R12=89 R13=97 R14=99 R15=92

4.1 Integrating Sphere Test

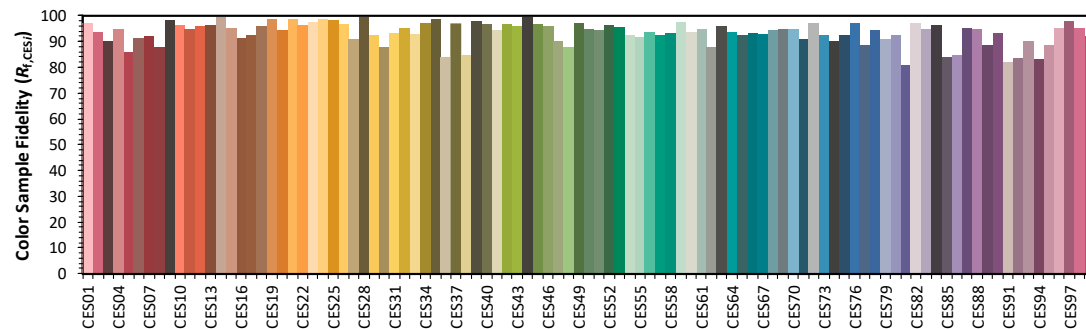
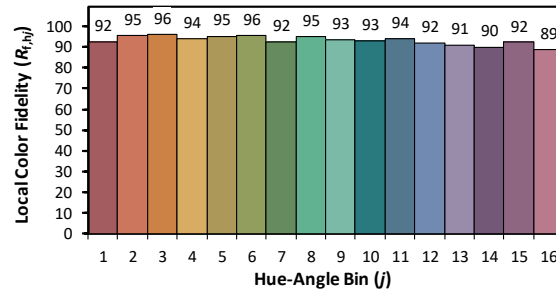
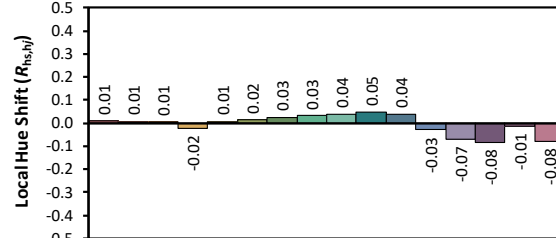
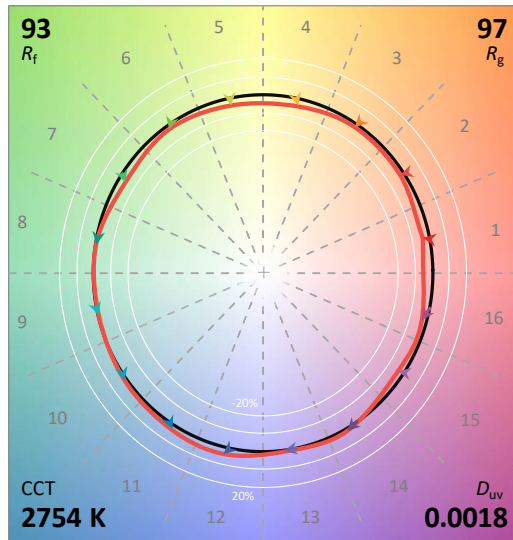
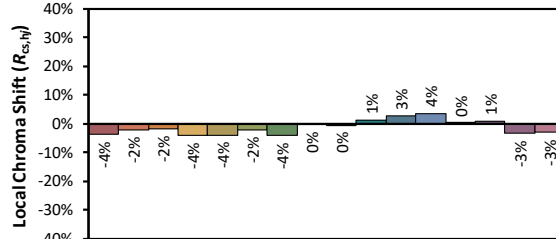
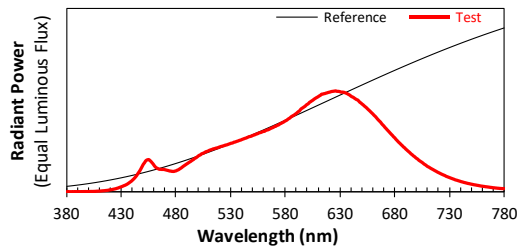
ANSI/IES TM-30-18 Color Rendition Report

Source: 1 CIE F1

Manufacturer: RAB Lighting Inc.

Date: 2025/9/19

Model: PIVOTL24DB @20W2700K



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

x 0.4586
 y 0.4152
 u' 0.2596
 v' 0.5289

CIE 13.3-1995
(CRI)
 R_a 96
 R_g 69

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	0.00E+00	447	2.12E-04	514	4.25E-04	581	7.08E-04	648	8.87E-04	715	2.20E-04
381	2.00E-06	448	2.32E-04	515	4.27E-04	582	7.17E-04	649	8.80E-04	716	2.14E-04
382	0.00E+00	449	2.53E-04	516	4.31E-04	583	7.24E-04	650	8.70E-04	717	2.08E-04
383	8.00E-07	450	2.73E-04	517	4.34E-04	584	7.31E-04	651	8.62E-04	718	2.02E-04
384	0.00E+00	451	2.87E-04	518	4.36E-04	585	7.41E-04	652	8.52E-04	719	1.95E-04
385	1.30E-06	452	3.04E-04	519	4.41E-04	586	7.48E-04	653	8.43E-04	720	1.90E-04
386	3.00E-07	453	3.13E-04	520	4.45E-04	587	7.55E-04	654	8.34E-04	721	1.85E-04
387	1.40E-06	454	3.17E-04	521	4.49E-04	588	7.61E-04	655	8.23E-04	722	1.79E-04
388	1.00E-06	455	3.19E-04	522	4.51E-04	589	7.69E-04	656	8.12E-04	723	1.74E-04
389	1.10E-06	456	3.10E-04	523	4.54E-04	590	7.77E-04	657	8.03E-04	724	1.69E-04
390	5.00E-07	457	3.00E-04	524	4.58E-04	591	7.87E-04	658	7.92E-04	725	1.64E-04
391	1.40E-06	458	2.87E-04	525	4.62E-04	592	7.96E-04	659	7.81E-04	726	1.60E-04
392	8.00E-07	459	2.74E-04	526	4.64E-04	593	8.03E-04	660	7.71E-04	727	1.53E-04
393	1.30E-06	460	2.59E-04	527	4.67E-04	594	8.18E-04	661	7.59E-04	728	1.49E-04
394	1.10E-06	461	2.46E-04	528	4.72E-04	595	8.27E-04	662	7.49E-04	729	1.45E-04
395	1.60E-06	462	2.37E-04	529	4.75E-04	596	8.33E-04	663	7.37E-04	730	1.41E-04
396	1.70E-06	463	2.32E-04	530	4.80E-04	597	8.41E-04	664	7.24E-04	731	1.36E-04
397	2.00E-06	464	2.26E-04	531	4.82E-04	598	8.48E-04	665	7.12E-04	732	1.33E-04
398	1.70E-06	465	2.23E-04	532	4.85E-04	599	8.59E-04	666	7.00E-04	733	1.28E-04
399	1.60E-06	466	2.23E-04	533	4.92E-04	600	8.67E-04	667	6.90E-04	734	1.25E-04
400	2.50E-06	467	2.21E-04	534	4.93E-04	601	8.74E-04	668	6.75E-04	735	1.20E-04
401	1.90E-06	468	2.22E-04	535	4.98E-04	602	8.86E-04	669	6.63E-04	736	1.16E-04
402	3.10E-06	469	2.20E-04	536	5.01E-04	603	8.92E-04	670	6.52E-04	737	1.14E-04
403	2.80E-06	470	2.18E-04	537	5.05E-04	604	9.01E-04	671	6.38E-04	738	1.10E-04
404	3.00E-06	471	2.15E-04	538	5.10E-04	605	9.07E-04	672	6.27E-04	739	1.06E-04
405	3.40E-06	472	2.12E-04	539	5.12E-04	606	9.16E-04	673	6.15E-04	740	1.03E-04
406	3.80E-06	473	2.10E-04	540	5.17E-04	607	9.23E-04	674	6.03E-04	741	9.93E-05
407	5.00E-06	474	2.06E-04	541	5.22E-04	608	9.30E-04	675	5.91E-04	742	9.70E-05
408	5.50E-06	475	2.05E-04	542	5.25E-04	609	9.36E-04	676	5.79E-04	743	9.33E-05
409	5.90E-06	476	2.02E-04	543	5.30E-04	610	9.43E-04	677	5.68E-04	744	9.06E-05
410	6.10E-06	477	2.02E-04	544	5.33E-04	611	9.51E-04	678	5.57E-04	745	8.80E-05
411	7.10E-06	478	2.02E-04	545	5.37E-04	612	9.56E-04	679	5.44E-04	746	8.52E-05
412	8.20E-06	479	2.05E-04	546	5.43E-04	613	9.67E-04	680	5.34E-04	747	8.22E-05
413	9.30E-06	480	2.08E-04	547	5.47E-04	614	9.68E-04	681	5.20E-04	748	8.04E-05
414	1.00E-05	481	2.14E-04	548	5.49E-04	615	9.71E-04	682	5.09E-04	749	7.77E-05
415	1.14E-05	482	2.17E-04	549	5.52E-04	616	9.73E-04	683	4.97E-04	750	7.52E-05
416	1.27E-05	483	2.25E-04	550	5.58E-04	617	9.77E-04	684	4.87E-04	751	7.32E-05
417	1.37E-05	484	2.32E-04	551	5.62E-04	618	9.80E-04	685	4.77E-04	752	7.07E-05
418	1.57E-05	485	2.39E-04	552	5.65E-04	619	9.84E-04	686	4.65E-04	753	6.86E-05
419	1.80E-05	486	2.48E-04	553	5.70E-04	620	9.87E-04	687	4.56E-04	754	6.70E-05
420	1.91E-05	487	2.56E-04	554	5.74E-04	621	9.89E-04	688	4.44E-04	755	6.46E-05
421	2.10E-05	488	2.63E-04	555	5.78E-04	622	9.93E-04	689	4.36E-04	756	6.30E-05
422	2.35E-05	489	2.71E-04	556	5.84E-04	623	9.95E-04	690	4.24E-04	757	6.09E-05
423	2.59E-05	490	2.78E-04	557	5.86E-04	624	9.96E-04	691	4.14E-04	758	5.86E-05
424	2.81E-05	491	2.85E-04	558	5.90E-04	625	9.98E-04	692	4.04E-04	759	5.65E-05
425	3.10E-05	492	2.93E-04	559	5.95E-04	626	1.00E-03	693	3.95E-04	760	5.53E-05
426	3.46E-05	493	2.98E-04	560	5.98E-04	627	9.96E-04	694	3.85E-04	761	5.34E-05
427	3.76E-05	494	3.07E-04	561	6.00E-04	628	9.95E-04	695	3.74E-04	762	5.21E-05
428	4.22E-05	495	3.14E-04	562	6.08E-04	629	9.94E-04	696	3.67E-04	763	4.99E-05
429	4.60E-05	496	3.21E-04	563	6.11E-04	630	9.92E-04	697	3.56E-04	764	4.90E-05
430	5.01E-05	497	3.30E-04	564	6.14E-04	631	9.87E-04	698	3.49E-04	765	4.75E-05
431	5.41E-05	498	3.36E-04	565	6.18E-04	632	9.88E-04	699	3.39E-04	766	4.60E-05
432	5.94E-05	499	3.43E-04	566	6.25E-04	633	9.87E-04	700	3.30E-04	767	4.43E-05
433	6.32E-05	500	3.52E-04	567	6.30E-04	634	9.84E-04	701	3.23E-04	768	4.30E-05
434	6.84E-05	501	3.61E-04	568	6.34E-04	635	9.79E-04	702	3.13E-04	769	4.16E-05
435	7.40E-05	502	3.64E-04	569	6.39E-04	636	9.75E-04	703	3.05E-04	770	3.98E-05
436	8.10E-05	503	3.74E-04	570	6.47E-04	637	9.69E-04	704	2.98E-04	771	3.91E-05
437	8.87E-05	504	3.79E-04	571	6.48E-04	638	9.63E-04	705	2.91E-04	772	3.74E-05
438	9.67E-05	505	3.83E-04	572	6.56E-04	639	9.56E-04	706	2.82E-04	773	3.64E-05
439	1.04E-04	506	3.89E-04	573	6.60E-04	640	9.47E-04	707	2.73E-04	774	3.51E-05
440	1.15E-04	507	3.96E-04	574	6.65E-04	641	9.41E-04	708	2.67E-04	775	3.44E-05
441	1.25E-04	508	3.99E-04	575	6.73E-04	642	9.36E-04	709	2.59E-04	776	3.29E-05
442	1.36E-04	509	4.02E-04	576	6.78E-04	643	9.28E-04	710	2.50E-04	777	3.25E-05
443	1.49E-04	510	4.09E-04	577	6.84E-04	644	9.21E-04	711	2.45E-04	778	3.13E-05
444	1.63E-04	511	4.13E-04	578	6.89E-04	645	9.14E-04	712	2.38E-04	779	3.14E-05
445	1.80E-04	512	4.17E-04	579	6.96E-04	646	9.10E-04	713	2.32E-04	780	3.15E-05
446	1.95E-04	513	4.20E-04	580	7.03E-04	647	9.00E-04	714	2.26E-04	N/A	N/A

4.0 LM-79 Measurement and Test Results

4.2 Goniophotometer Test

Model No.	PIVOTL24DB @20W2700K	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

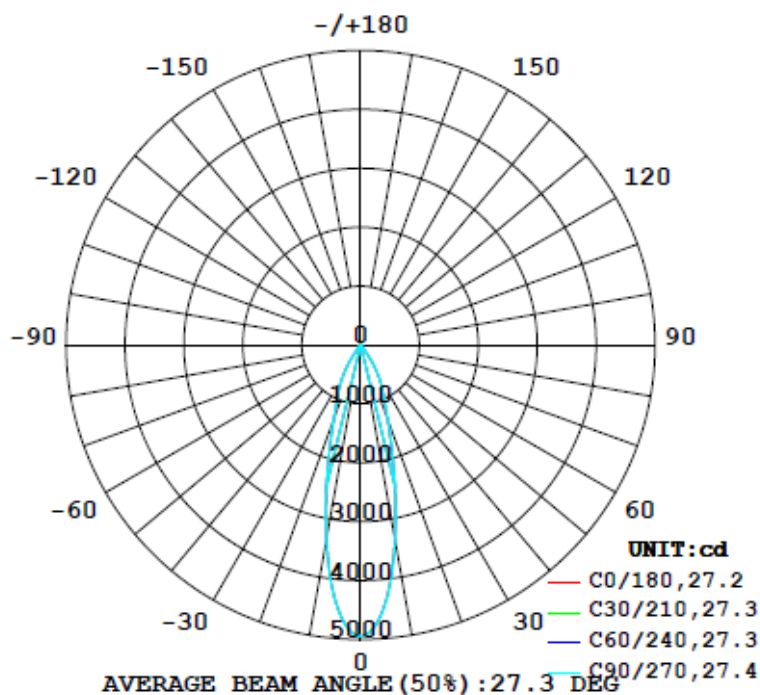
Test Result

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°)
1619	62.6	63.7	27.3	27.4	83.4	100.0%

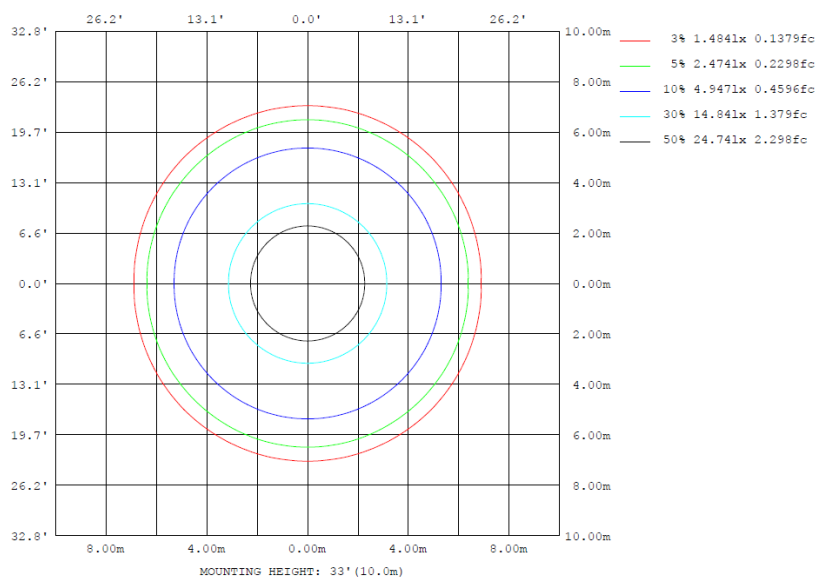
4.2 Goniophotometer Test

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	3345	3353	3367	3353	3345	3353	3367	3353	0- 10	391.5	391.5	24.2,24.2
20	1316	1343	1353	1343	1316	1343	1353	1343	10- 20	603.8	995.3	61.5,61.5
30	591.3	607.1	619.2	607.1	591.3	607.1	619.2	607.1	20- 30	420.8	1416	87.5,87.5
40	41.33	41.94	61.61	41.94	41.33	41.94	61.61	41.94	30- 40	171.8	1588	98.1,98.1
50	14.18	14.52	14.96	14.52	14.18	14.52	14.96	14.52	40- 50	17.88	1606	99.2,99.2
60	6.256	6.541	6.917	6.541	6.256	6.541	6.917	6.541	50- 60	9.716	1615	99.8,99.8
70	0.8629	0.9459	1.118	0.9459	0.8629	0.9459	1.118	0.9459	60- 70	3.123	1619	100,100
80	0.0361	0.0342	0.0371	0.0342	0.0361	0.0342	0.0371	0.0342	70- 80	0.2043	1619	100,100
90	0	0	0	0	0	0	0	0	80- 90	0.0202	1619	100,100
100	0	0	0	0	0	0	0	0	90-100	0	1619	100,100
110	0	0	0	0	0	0	0	0	100-110	0	1619	100,100
120	0	0	0	0	0	0	0	0	110-120	0	1619	100,100
130	0	0	0	0	0	0	0	0	120-130	0	1619	100,100
140	0	0	0	0	0	0	0	0	130-140	0	1619	100,100
150	0	0	0	0	0	0	0	0	140-150	0	1619	100,100
160	0	0	0	0	0	0	0	0	150-160	0	1619	100,100
170	0	0	0	0	0	0	0	0	160-170	0	1619	100,100
180	0	0	0	0	0	0	0	0	170-180	0	1619	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Zonal (lm)		Total (lm)		Percent
0-10	391.49	0-10	391.49	24.18%
10-20	603.78	0-20	995.27	61.48%
20-30	420.79	0-30	1416.06	87.48%
30-40	171.80	0-40	1587.86	98.09%
40-50	17.88	0-50	1605.74	99.19%
50-60	9.72	0-60	1615.46	99.79%
60-70	3.12	0-70	1618.58	99.99%
70-80	0.20	0-80	1618.78	100.00%
80-90	0.02	0-90	1618.80	100.00%
90-100	0.00	0-100	1618.80	100.00%
100-110	0.00	0-110	1618.80	100.00%
110-120	0.00	0-120	1618.80	100.00%
120-130	0.00	0-130	1618.80	100.00%
130-140	0.00	0-140	1618.80	100.00%
140-150	0.00	0-150	1618.80	100.00%
150-160	0.00	0-160	1618.80	100.00%
160-170	0.00	0-170	1618.80	100.00%
170-180	0.00	0-180	1618.80	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	4947	4949	4950	4951	4948	4947	4947	4947	4948	4951	4950	4949	4947	4949	4950	4951	4948	4947	4947
5	4483	4484	4482	4488	4486	4492	4494	4492	4486	4488	4482	4484	4483	4484	4482	4488	4486	4492	4494
10	3345	3347	3353	3353	3360	3363	3367	3363	3360	3353	3353	3347	3345	3347	3353	3353	3360	3363	3367
15	2174	2175	2180	2183	2183	2190	2194	2190	2183	2183	2180	2175	2174	2175	2180	2183	2183	2190	2194
20	1316	1328	1339	1343	1346	1352	1353	1352	1346	1343	1339	1328	1316	1328	1339	1343	1346	1352	1353
25	895	903	912	919	923	921	925	921	923	919	912	903	895	903	912	919	923	921	925
30	591	598	603	607	612	618	619	618	612	607	603	598	591	598	603	607	612	618	619
35	236	245	259	270	276	281	283	281	276	270	259	245	236	245	259	270	276	281	283
40	41.3	41.5	42.2	41.9	56.3	59.7	61.6	59.7	56.3	41.9	42.2	41.5	41.3	41.5	42.2	41.9	56.3	59.7	61.6
45	19.1	19.2	19.4	19.7	19.8	20.1	20.3	20.1	19.8	19.7	19.4	19.2	19.1	19.2	19.4	19.7	19.8	20.1	20.3
50	14.2	14.3	14.4	14.5	14.7	14.8	15.0	14.8	14.7	14.5	14.4	14.3	14.2	14.3	14.4	14.5	14.7	14.8	15.0
55	10.7	10.8	11.0	11.2	11.3	11.5	11.7	11.5	11.3	11.2	11.0	10.8	10.7	10.8	11.0	11.2	11.3	11.5	11.7
60	6.26	6.36	6.44	6.54	6.68	6.76	6.92	6.76	6.68	6.54	6.44	6.36	6.26	6.36	6.44	6.54	6.68	6.76	6.92
65	2.70	2.77	2.83	2.84	2.94	3.03	3.12	3.03	2.94	2.84	2.83	2.77	2.70	2.77	2.83	2.84	2.94	3.03	3.12
70	0.86	0.84	0.89	0.95	0.99	1.04	1.12	1.04	0.99	0.95	0.89	0.84	0.86	0.84	0.89	0.95	0.99	1.04	1.12
75	0.07	0.07	0.07	0.06	0.07	0.07	0.07	0.07	0.07	0.06	0.07	0.07	0.07	0.07	0.07	0.06	0.07	0.07	0.07
80	0.04	0.03	0.04	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.04	0.03	0.04	0.03	0.04	0.03	0.03	0.03	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) y (DEG)	285	300	315	330	345														
0	4947	4948	4951	4950	4949														
5	4492	4486	4488	4482	4484														
10	3363	3360	3353	3353	3347														
15	2190	2183	2183	2180	2175														
20	1352	1346	1343	1339	1328														
25	921	923	919	912	903														
30	618	612	607	603	598														
35	281	276	270	259	245														
40	59.7	56.3	41.9	42.2	41.5														
45	20.1	19.8	19.7	19.4	19.2														
50	14.8	14.7	14.5	14.4	14.3														
55	11.5	11.3	11.2	11.0	10.8														
60	6.76	6.68	6.54	6.44	6.36														
65	3.03	2.94	2.84	2.83	2.77														
70	1.04	0.99	0.95	0.89	0.84														
75	0.07	0.07	0.06	0.07	0.07														
80	0.03	0.03	0.03	0.04	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 @20W2700K	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*****