

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		929
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Standard	Premium	92.9
			95	110	
Power (Input Wattage) (W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Case		10.0
Total Harmonic Distortion (A%) (THD & PF – Section 4.3)		ANSI C82.77:2002 ANSI C82-77-10:2020	20.00%	120V	13.38
Power Factor (THD & PF – Section 4.3)		ANSI C82.77:2002 ANSI C82-77-10:2020	0.9	120V	0.945
Allowable CCTs* (K) (Integrating Sphere – Section 4.1)		ANSI/IES LM-79:2019	7 steps	3045±175	2949
			4 steps	3045±100	
Minimum CRI (Integrating Sphere – Section 4.1)		ANSI/IES LM-79:2019 CIE13.3-1995	≥80		96.6
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		93
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		0.088
(Goniophotometer – Section 4.2)			Non-Worst Case		N/A
Power (Input Wattage – W)					
(Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Case		10.0
(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 @10W3000K	-	250903022-S1
2	Goniophotometer Test	2025-09-17	PIVOTL24DB @10W3000K	-	250903022-S1
3	THD and PF Test	2025-09-17	PIVOTL24DB @10W3000K	-	250903022-S1

Remark (If any):

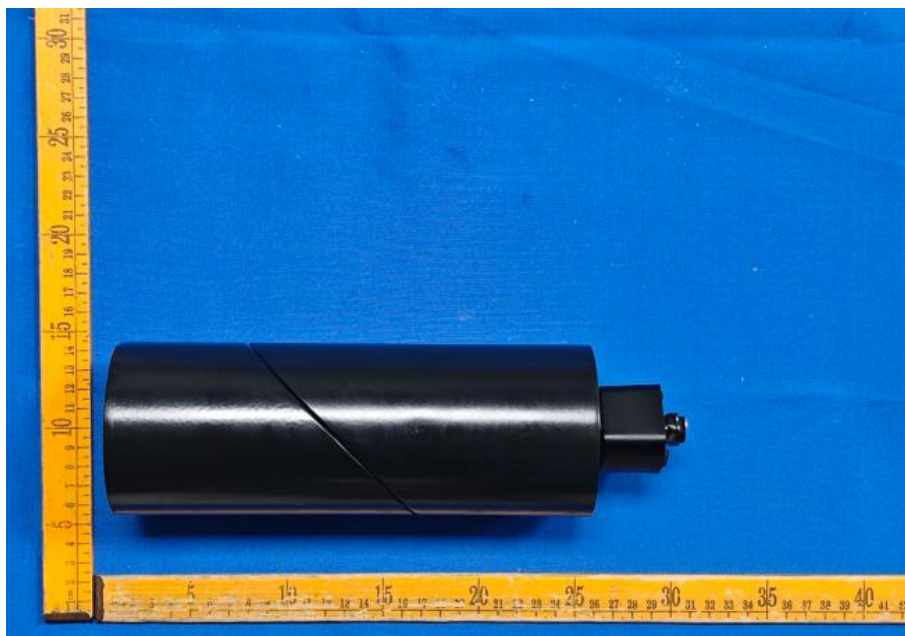
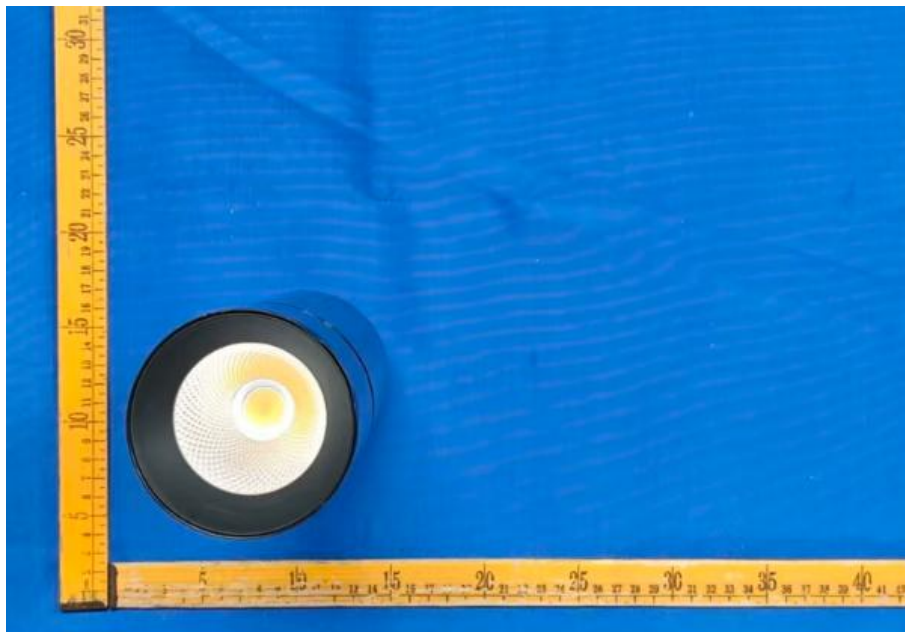
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3.0 Product Description

Luminaire Description: Model No. PIVOTL24DB @10W3000K, 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 @10W3000K	Sample ID	250903022-S1
Operate time (Min.)	10	Stabilization time (Min.)	60
Temperature (°C)	25.4	Humidity (%RH)	41.0

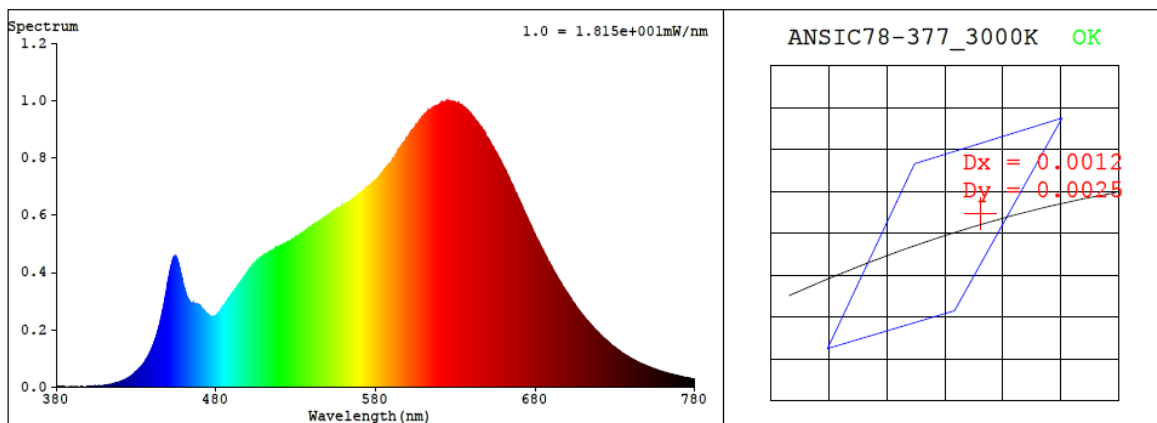
Test Method
<p>The Samples were tested according to the ANSI/IES LM-79:2019.</p> <p>Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at 25±1°C.</p> <p>The sample measurements were made 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	0.088	10.0	0.945

CCT (K)	CRI	R9	Duv	SDCM	Rf	Rg	IES Rcs,h1
2949	96.6	75	0.0008	4.0	93	98	-3%

4.1 Integrating Sphere Test



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4419$ $y = 0.4078$ / $u' = 0.2521$ $v' = 0.5236$ ($duv=8.26e-04$)

CCT= 2949K Prcp WL: $L_d=582.8nm$ Purity=55.0%

Peak WL: $L_p=625nm$ FWHM: $=159.3nm$ Ratio:R=25.2% G=71.7% B=3.1%

Render Index: $R_a = 96.6$ AvgR = 95.0 TM30:Rf=94 Rg=99

EEL: 0.14713 A+

R1 =98 R2 =100 R3 =100 R4 =98 R5 =98 R6 =97 R7 =94
R8 =89 R9 =75 R10=99 R11=99 R12=87 R13=99 R14=99 R15=94

4.1 Integrating Sphere Test

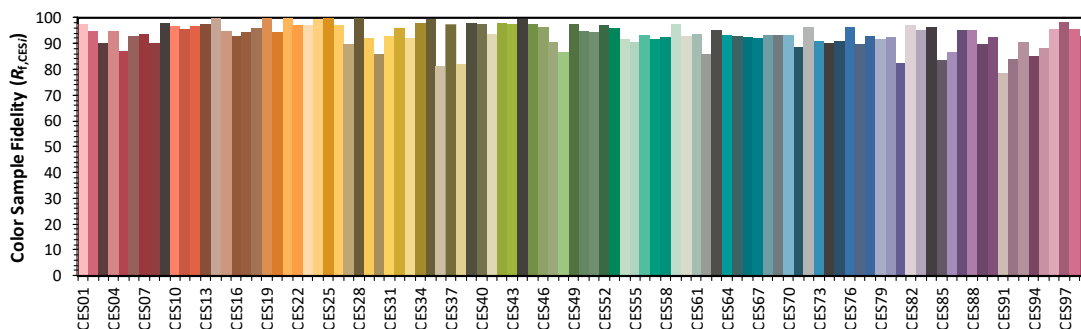
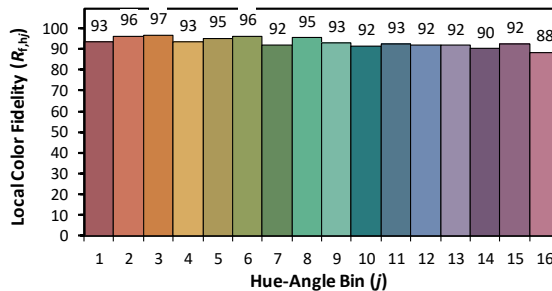
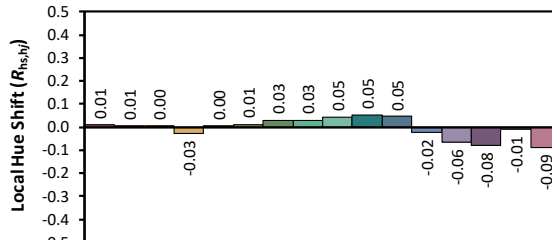
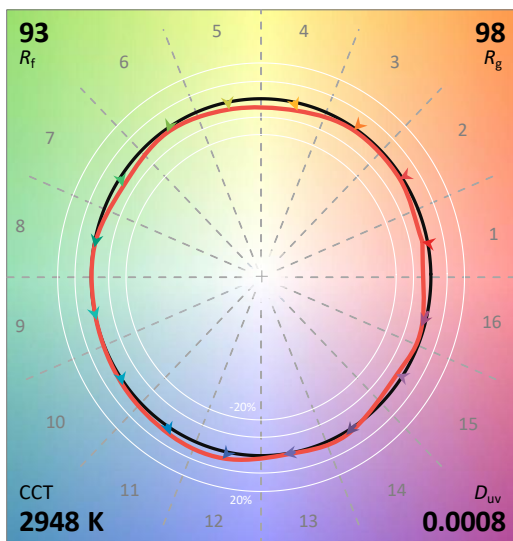
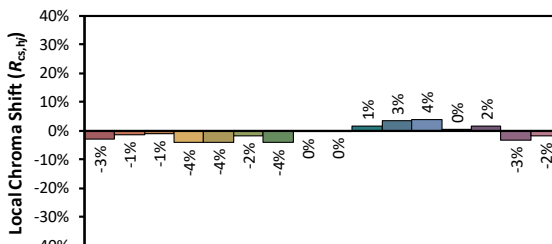
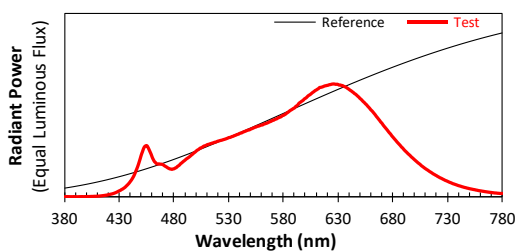
ANSI/IES TM-30-18 Color Rendition Report

Source: 1 CIE F1

Manufacturer: RAB Lighting Inc.

Date: 2025/9/19

Model: PIVOTL24DB @10W3000K



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

x 0.4419
 y 0.4078
 u' 0.2522
 v' 0.5236

CIE 13.3-1995
(CRI)
 R_a 97
 R_g 76

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	1.70E-06	447	2.78E-04	514	4.72E-04	581	7.26E-04	648	8.90E-04	715	2.17E-04
381	1.80E-06	448	3.08E-04	515	4.76E-04	582	7.32E-04	649	8.81E-04	716	2.10E-04
382	2.30E-06	449	3.40E-04	516	4.78E-04	583	7.41E-04	650	8.70E-04	717	2.03E-04
383	2.00E-06	450	3.72E-04	517	4.83E-04	584	7.47E-04	651	8.63E-04	718	1.98E-04
384	1.80E-06	451	3.99E-04	518	4.84E-04	585	7.54E-04	652	8.52E-04	719	1.92E-04
385	1.30E-06	452	4.26E-04	519	4.88E-04	586	7.63E-04	653	8.42E-04	720	1.87E-04
386	1.40E-06	453	4.44E-04	520	4.92E-04	587	7.68E-04	654	8.34E-04	721	1.81E-04
387	1.20E-06	454	4.51E-04	521	4.95E-04	588	7.74E-04	655	8.23E-04	722	1.76E-04
388	2.00E-06	455	4.53E-04	522	4.98E-04	589	7.81E-04	656	8.14E-04	723	1.70E-04
389	1.70E-06	456	4.39E-04	523	5.00E-04	590	7.86E-04	657	8.02E-04	724	1.66E-04
390	1.10E-06	457	4.19E-04	524	5.02E-04	591	7.97E-04	658	7.92E-04	725	1.61E-04
391	9.00E-07	458	3.97E-04	525	5.06E-04	592	8.04E-04	659	7.81E-04	726	1.56E-04
392	1.00E-06	459	3.75E-04	526	5.09E-04	593	8.11E-04	660	7.69E-04	727	1.51E-04
393	1.60E-06	460	3.49E-04	527	5.12E-04	594	8.25E-04	661	7.60E-04	728	1.46E-04
394	1.70E-06	461	3.29E-04	528	5.15E-04	595	8.33E-04	662	7.49E-04	729	1.42E-04
395	1.90E-06	462	3.12E-04	529	5.19E-04	596	8.40E-04	663	7.37E-04	730	1.38E-04
396	2.10E-06	463	3.03E-04	530	5.24E-04	597	8.47E-04	664	7.25E-04	731	1.33E-04
397	1.60E-06	464	2.93E-04	531	5.25E-04	598	8.54E-04	665	7.11E-04	732	1.29E-04
398	2.00E-06	465	2.90E-04	532	5.29E-04	599	8.65E-04	666	7.00E-04	733	1.25E-04
399	2.30E-06	466	2.92E-04	533	5.34E-04	600	8.71E-04	667	6.87E-04	734	1.21E-04
400	2.60E-06	467	2.89E-04	534	5.36E-04	601	8.78E-04	668	6.76E-04	735	1.17E-04
401	2.60E-06	468	2.89E-04	535	5.41E-04	602	8.88E-04	669	6.62E-04	736	1.14E-04
402	2.80E-06	469	2.87E-04	536	5.44E-04	603	8.96E-04	670	6.52E-04	737	1.10E-04
403	3.10E-06	470	2.83E-04	537	5.49E-04	604	9.02E-04	671	6.38E-04	738	1.07E-04
404	3.70E-06	471	2.76E-04	538	5.52E-04	605	9.09E-04	672	6.25E-04	739	1.03E-04
405	3.90E-06	472	2.70E-04	539	5.55E-04	606	9.17E-04	673	6.14E-04	740	9.97E-05
406	4.10E-06	473	2.64E-04	540	5.61E-04	607	9.25E-04	674	6.02E-04	741	9.71E-05
407	5.10E-06	474	2.57E-04	541	5.64E-04	608	9.31E-04	675	5.90E-04	742	9.44E-05
408	4.80E-06	475	2.52E-04	542	5.67E-04	609	9.40E-04	676	5.77E-04	743	9.09E-05
409	5.50E-06	476	2.48E-04	543	5.73E-04	610	9.44E-04	677	5.65E-04	744	8.82E-05
410	6.20E-06	477	2.46E-04	544	5.76E-04	611	9.52E-04	678	5.55E-04	745	8.52E-05
411	6.70E-06	478	2.44E-04	545	5.80E-04	612	9.57E-04	679	5.41E-04	746	8.27E-05
412	7.40E-06	479	2.47E-04	546	5.84E-04	613	9.66E-04	680	5.30E-04	747	8.05E-05
413	8.70E-06	480	2.49E-04	547	5.88E-04	614	9.68E-04	681	5.19E-04	748	7.76E-05
414	9.80E-06	481	2.55E-04	548	5.91E-04	615	9.70E-04	682	5.07E-04	749	7.57E-05
415	1.11E-05	482	2.59E-04	549	5.93E-04	616	9.73E-04	683	4.96E-04	750	7.30E-05
416	1.23E-05	483	2.69E-04	550	5.99E-04	617	9.78E-04	684	4.84E-04	751	7.09E-05
417	1.39E-05	484	2.75E-04	551	6.03E-04	618	9.81E-04	685	4.74E-04	752	6.90E-05
418	1.54E-05	485	2.83E-04	552	6.07E-04	619	9.83E-04	686	4.64E-04	753	6.68E-05
419	1.68E-05	486	2.94E-04	553	6.11E-04	620	9.86E-04	687	4.53E-04	754	6.48E-05
420	1.91E-05	487	3.01E-04	554	6.15E-04	621	9.87E-04	688	4.41E-04	755	6.33E-05
421	2.15E-05	488	3.10E-04	555	6.18E-04	622	9.92E-04	689	4.32E-04	756	6.07E-05
422	2.37E-05	489	3.17E-04	556	6.24E-04	623	9.93E-04	690	4.20E-04	757	5.92E-05
423	2.58E-05	490	3.25E-04	557	6.25E-04	624	9.96E-04	691	4.10E-04	758	5.66E-05
424	2.86E-05	491	3.34E-04	558	6.28E-04	625	9.97E-04	692	4.01E-04	759	5.49E-05
425	3.18E-05	492	3.40E-04	559	6.32E-04	626	9.98E-04	693	3.91E-04	760	5.34E-05
426	3.56E-05	493	3.47E-04	560	6.35E-04	627	9.97E-04	694	3.81E-04	761	5.21E-05
427	3.95E-05	494	3.54E-04	561	6.37E-04	628	9.95E-04	695	3.73E-04	762	5.02E-05
428	4.44E-05	495	3.63E-04	562	6.43E-04	629	9.96E-04	696	3.64E-04	763	4.88E-05
429	4.98E-05	496	3.71E-04	563	6.46E-04	630	9.93E-04	697	3.53E-04	764	4.70E-05
430	5.43E-05	497	3.78E-04	564	6.49E-04	631	9.88E-04	698	3.45E-04	765	4.56E-05
431	5.88E-05	498	3.88E-04	565	6.52E-04	632	9.89E-04	699	3.36E-04	766	4.41E-05
432	6.55E-05	499	3.95E-04	566	6.57E-04	633	9.85E-04	700	3.27E-04	767	4.26E-05
433	7.01E-05	500	4.03E-04	567	6.62E-04	634	9.84E-04	701	3.19E-04	768	4.13E-05
434	7.73E-05	501	4.12E-04	568	6.66E-04	635	9.78E-04	702	3.11E-04	769	4.00E-05
435	8.38E-05	502	4.17E-04	569	6.70E-04	636	9.74E-04	703	3.02E-04	770	3.89E-05
436	9.36E-05	503	4.24E-04	570	6.77E-04	637	9.70E-04	704	2.95E-04	771	3.74E-05
437	1.03E-04	504	4.32E-04	571	6.78E-04	638	9.64E-04	705	2.87E-04	772	3.63E-05
438	1.13E-04	505	4.35E-04	572	6.84E-04	639	9.57E-04	706	2.77E-04	773	3.48E-05
439	1.24E-04	506	4.41E-04	573	6.87E-04	640	9.51E-04	707	2.70E-04	774	3.42E-05
440	1.37E-04	507	4.48E-04	574	6.91E-04	641	9.43E-04	708	2.63E-04	775	3.34E-05
441	1.50E-04	508	4.51E-04	575	6.98E-04	642	9.37E-04	709	2.56E-04	776	3.19E-05
442	1.66E-04	509	4.54E-04	576	7.01E-04	643	9.29E-04	710	2.49E-04	777	3.15E-05
443	1.83E-04	510	4.60E-04	577	7.06E-04	644	9.22E-04	711	2.42E-04	778	3.01E-05
444	2.04E-04	511	4.63E-04	578	7.09E-04	645	9.13E-04	712	2.36E-04	779	3.01E-05
445	2.28E-04	512	4.66E-04	579	7.19E-04	646	9.08E-04	713	2.29E-04	780	3.01E-05
446	2.52E-04	513	4.70E-04	580	7.21E-04	647	8.99E-04	714	2.22E-04	N/A	N/A

4.0 LM-79 Measurement and Test Results

4.2 Goniophotometer Test

Model No.	PIVOTL24DB @10W3000K	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	0.088	10.0	0.945
NON-WORST CASE	N/A	N/A	N/A	N/A	N/A

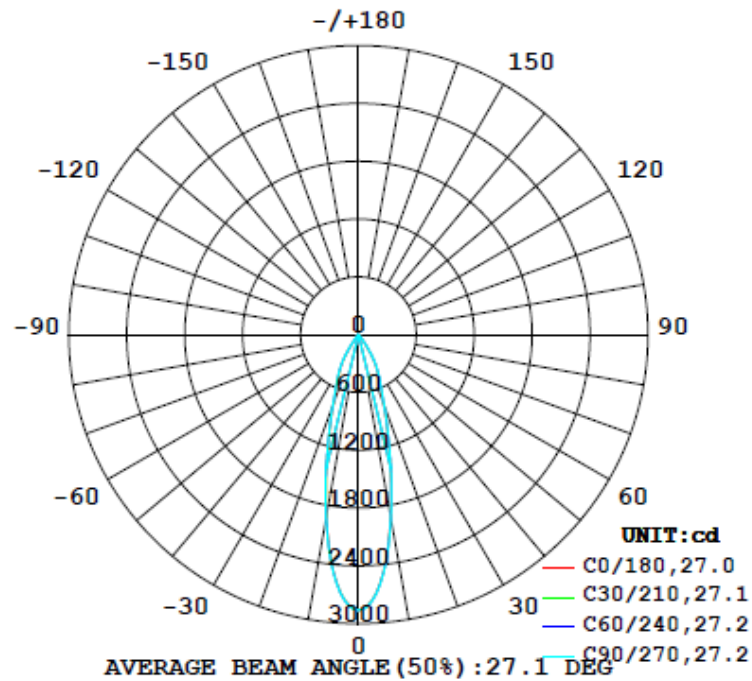
Test Result

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°)
929	62.4	63.6	27.0	27.3	92.9	100.0%

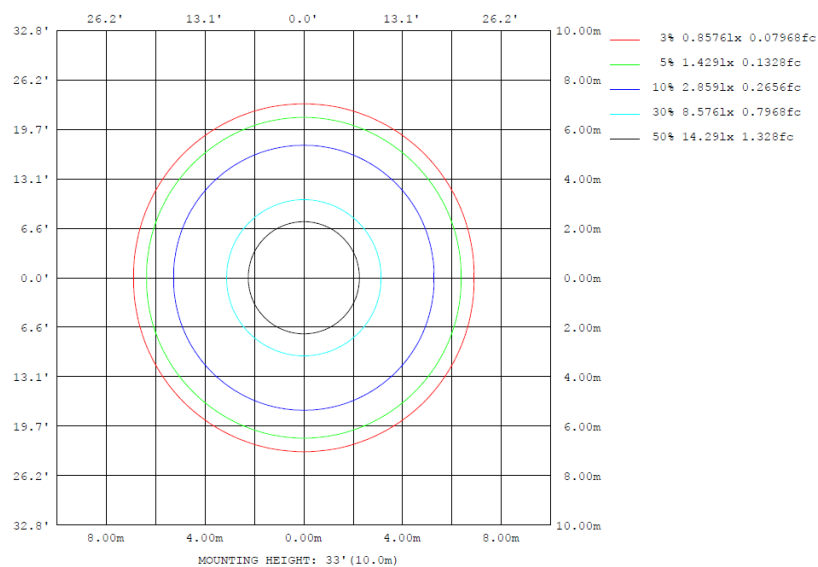
4.2 Goniophotometer Test

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	zone	total	lum, lamp
10	1921	1932	1937	1932	1921	1932	1937	1932	0- 10	225.8	225.8	24.3, 24.3
20	752.4	769.2	776.9	769.2	752.4	769.2	776.9	769.2	10- 20	346.7	572.5	61.6, 61.6
30	337.3	348.7	355.8	348.7	337.3	348.7	355.8	348.7	20- 30	240.7	813.2	87.5, 87.5
40	23.93	24.14	24.83	24.14	23.93	24.14	24.83	24.14	30- 40	98.11	911.3	98.1, 98.1
50	8.111	8.276	8.523	8.276	8.111	8.276	8.523	8.276	40- 50	10.13	921.4	99.2, 99.2
60	3.577	3.750	3.970	3.750	3.577	3.750	3.970	3.750	50- 60	5.553	927.0	99.8, 99.8
70	0.4955	0.5480	0.6483	0.5480	0.4955	0.5480	0.6483	0.5480	60- 70	1.793	928.8	100, 100
80	0.0212	0.0206	0.0219	0.0206	0.0212	0.0206	0.0219	0.0206	70- 80	0.1189	928.9	100, 100
90	0	0	0	0	0	0	0	0	80- 90	0.0117	928.9	100, 100
100	0	0	0	0	0	0	0	0	90-100	0	928.9	100, 100
110	0	0	0	0	0	0	0	0	100-110	0	928.9	100, 100
120	0	0	0	0	0	0	0	0	110-120	0	928.9	100, 100
130	0	0	0	0	0	0	0	0	120-130	0	928.9	100, 100
140	0	0	0	0	0	0	0	0	130-140	0	928.9	100, 100
150	0	0	0	0	0	0	0	0	140-150	0	928.9	100, 100
160	0	0	0	0	0	0	0	0	150-160	0	928.9	100, 100
170	0	0	0	0	0	0	0	0	160-170	0	928.9	100, 100
180	0	0	0	0	0	0	0	0	170-180	0	928.9	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

	Zonal (lm)		Total (lm)	Percent
0-10	225.80	0-10	225.80	24.31%
10-20	346.72	0-20	572.52	61.63%
20-30	240.67	0-30	813.19	87.54%
30-40	98.11	0-40	911.30	98.11%
40-50	10.13	0-50	921.43	99.20%
50-60	5.55	0-60	926.98	99.79%
60-70	1.79	0-70	928.77	99.99%
70-80	0.12	0-80	928.89	100.00%
80-90	0.01	0-90	928.90	100.00%
90-100	0.00	0-100	928.90	100.00%
100-110	0.00	0-110	928.90	100.00%
110-120	0.00	0-120	928.90	100.00%
120-130	0.00	0-130	928.90	100.00%
130-140	0.00	0-140	928.90	100.00%
140-150	0.00	0-150	928.90	100.00%
150-160	0.00	0-160	928.90	100.00%
160-170	0.00	0-170	928.90	100.00%
170-180	0.00	0-180	928.90	100.00%

4.2 Goniophotometer Test

Luminous Distribution Intensity Data

Table--1

UNIT: cd

C (DBG) γ (DBG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	2859	2857	2859	2860	2861	2861	2859	2861	2861	2860	2859	2857	2859	2857	2859	2860	2861	2861	2859
5	2586	2590	2588	2590	2593	2596	2599	2596	2593	2590	2588	2590	2586	2590	2588	2590	2593	2596	2599
10	1921	1926	1928	1932	1934	1936	1937	1936	1934	1932	1928	1926	1921	1926	1928	1932	1934	1936	1937
15	1242	1244	1248	1250	1252	1257	1258	1257	1252	1250	1248	1244	1242	1244	1248	1250	1252	1257	1258
20	752	759	766	769	772	775	777	775	772	769	766	759	752	759	766	769	772	775	777
25	509	513	519	523	525	528	529	528	525	523	519	513	509	513	519	523	525	528	529
30	337	342	345	349	352	355	356	355	352	349	345	342	337	342	345	349	352	355	356
35	136	141	148	154	158	160	162	160	158	154	148	141	136	141	148	154	158	160	162
40	23.9	24.1	24.0	24.1	24.6	24.7	24.8	24.7	24.6	24.1	24.0	24.1	23.9	24.1	24.0	24.1	24.6	24.7	24.8
45	11.0	11.0	11.1	11.2	11.3	11.5	11.6	11.5	11.3	11.2	11.1	11.0	11.0	11.1	11.2	11.3	11.5	11.6	
50	8.11	8.16	8.24	8.28	8.36	8.43	8.52	8.43	8.36	8.28	8.24	8.16	8.11	8.16	8.24	8.28	8.36	8.43	8.52
55	6.11	6.19	6.30	6.41	6.48	6.55	6.66	6.55	6.48	6.41	6.30	6.19	6.11	6.19	6.30	6.41	6.48	6.55	6.66
60	3.58	3.64	3.68	3.75	3.83	3.87	3.97	3.87	3.83	3.75	3.68	3.64	3.58	3.64	3.68	3.75	3.83	3.87	3.97
65	1.54	1.59	1.62	1.63	1.69	1.74	1.80	1.74	1.69	1.63	1.62	1.59	1.54	1.59	1.62	1.63	1.69	1.74	1.80
70	0.50	0.49	0.52	0.55	0.57	0.60	0.65	0.60	0.57	0.55	0.52	0.49	0.50	0.49	0.52	0.55	0.57	0.60	0.65
75	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
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 (DBG) γ (DBG)	285	300	315	330	345														
0	2861	2861	2860	2859	2857														
5	2596	2593	2590	2588	2590														
10	1936	1934	1932	1928	1926														
15	1257	1252	1250	1248	1244														
20	775	772	769	766	759														
25	528	525	523	519	513														
30	355	352	349	345	342														
35	160	158	154	148	141														
40	24.7	24.6	24.1	24.0	24.1														
45	11.5	11.3	11.2	11.1	11.0														
50	8.43	8.36	8.28	8.24	8.16														
55	6.55	6.48	6.41	6.30	6.19														
60	3.87	3.83	3.75	3.68	3.64														
65	1.74	1.69	1.63	1.62	1.59														
70	0.60	0.57	0.55	0.52	0.49														
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 @10W3000K	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	0.088	10.0	0.945	13.38

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*****