

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		563
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)	ANSI/IES LM-79:2019	Standard	Premium	82.8
		95	110	
Power (Input Wattage) (W) (Goniophotometer – Section 4.2)	ANSI/IES LM-79:2019	Worst Case		6.8
Total Harmonic Distortion (A%) (THD & PF – Section 4.3)	ANSI C82.77:2002 ANSI C82-77-10:2020	20.00%	120V	12.50
Power Factor (THD & PF – Section 4.3)	ANSI C82.77:2002 ANSI C82-77-10:2020	0.9	120V	0.957
Allowable CCTs* (K) (Integrating Sphere – Section 4.1)	ANSI/IES LM-79:2019	7 steps	2725±145	2735
		4 steps	2725±83	
Minimum CRI (Integrating Sphere – Section 4.1)	ANSI/IES LM-79:2019 CIE13.3-1995	≥80		94.9
Minimum R9 (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-2019 CIE13.3-1995	≥0		68
Minimum Rf (Integrating Sphere – Section 4.1)	ANSI/IES TM-30-18	≥70		92
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		0.059
(Goniophotometer – Section 4.2)		Non-Worst Case		N/A
Power (Input Wattage – W)				
(Goniophotometer – Section 4.2)	ANSI/IES LM-79:2019	Worst Case		6.8
(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	2025-09-09	PIVOTM24DB @8W2700K	-	250903023-S1
2	Goniophotometer Test	2025-09-09	PIVOTM24DB @8W2700K	-	250903023-S1
3	THD and PF Test	2025-09-09	PIVOTM24DB @8W2700K	-	250903023-S1

Remark (If any):

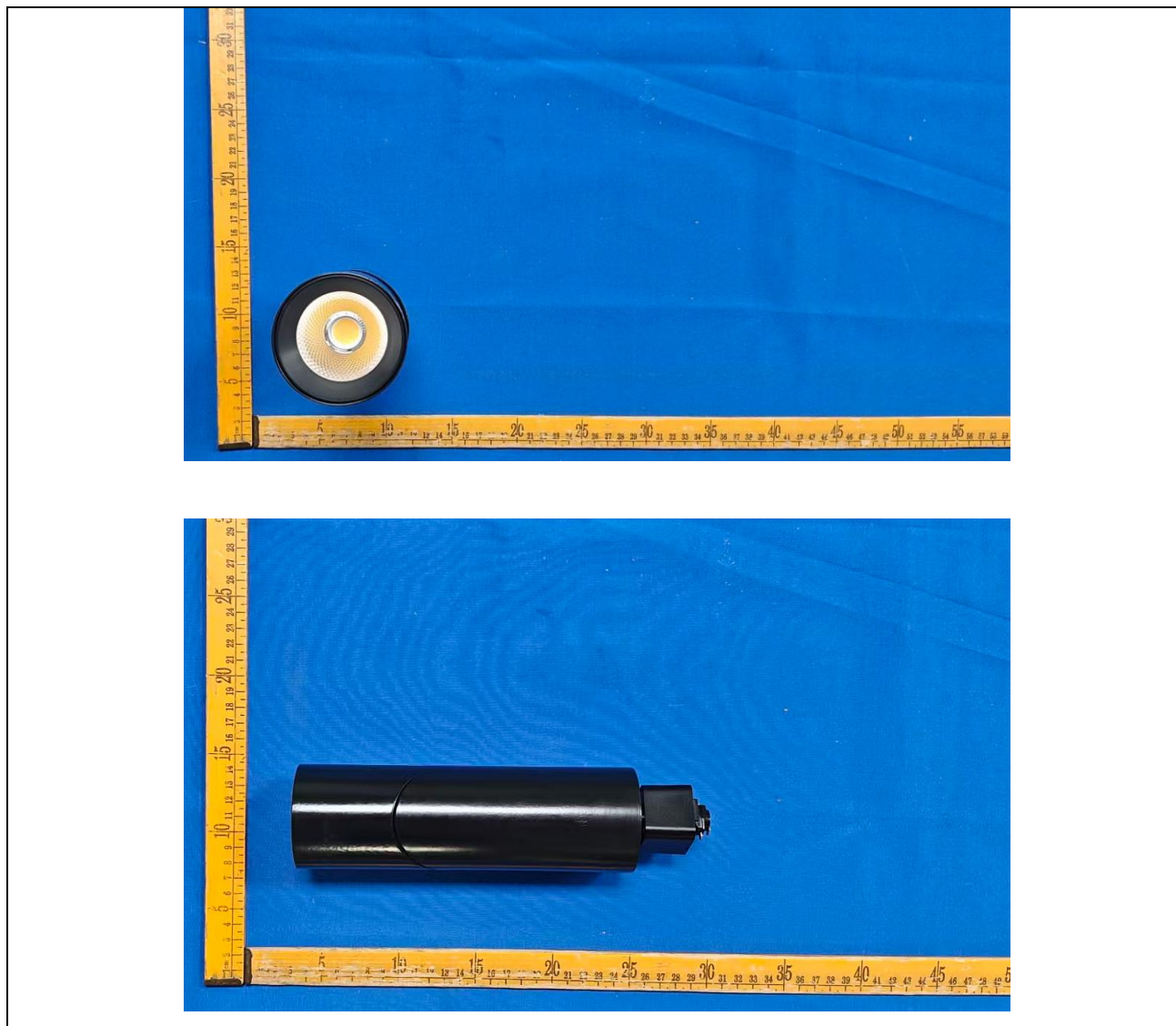
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3.0 Product Description

Luminaire Description: Model No. PIVOTM24DB @8W2700K, 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.	PIVOTM24DB @8W2700K	Sample ID	250903023-S1
Operate time (Min.)	10	Stabilization time (Min.)	60
Temperature (°C)	25.4	Humidity (%RH)	41.0

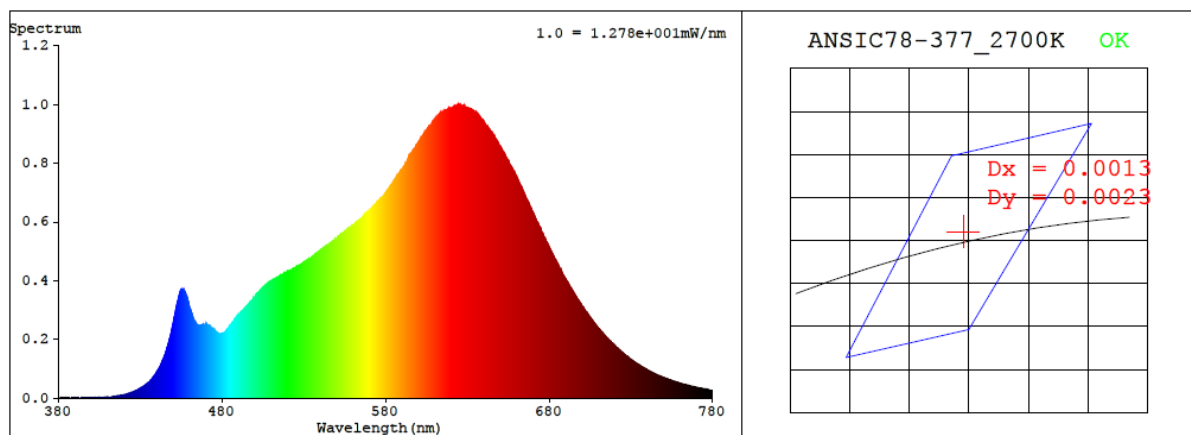
Test Method
<p>The Samples were tested according to the ANSI/IES LM-79:2019.</p> <p>Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at 25±1°C.</p> <p>The sample measurements were made 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	0.059	6.8	0.957

CCT (K)	CRI	R9	Duv	SDCM	Rf	Rg	IES Rcs,h1
2735	94.9	68	0.0007	0.5	92	97	-4%

4.1 Integrating Sphere Test



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4583$ $y = 0.4122$ / $u' = 0.2608$ $v' = 0.5277$ ($duv=7.38e-04$)

CCT= 2735K Prcp WL: $L_d=583.8nm$ Purity=61.3%

Peak WL: $L_p=626nm$ FWHM: $=141.5nm$ Ratio:R=26.6% G=70.5% B=2.9%

Render Index: $R_a = 94.9$ AvgR = 93.4 TM30:Rf=92 Rg=97

EEL: 0.13803 A+

R1 =97 R2 =100 R3 =98 R4 =96 R5 =97 R6 =96 R7 =92

R8 =84 R9 =68 R10=99 R11=99 R12=87 R13=98 R14=99 R15=92

4.1 Integrating Sphere Test

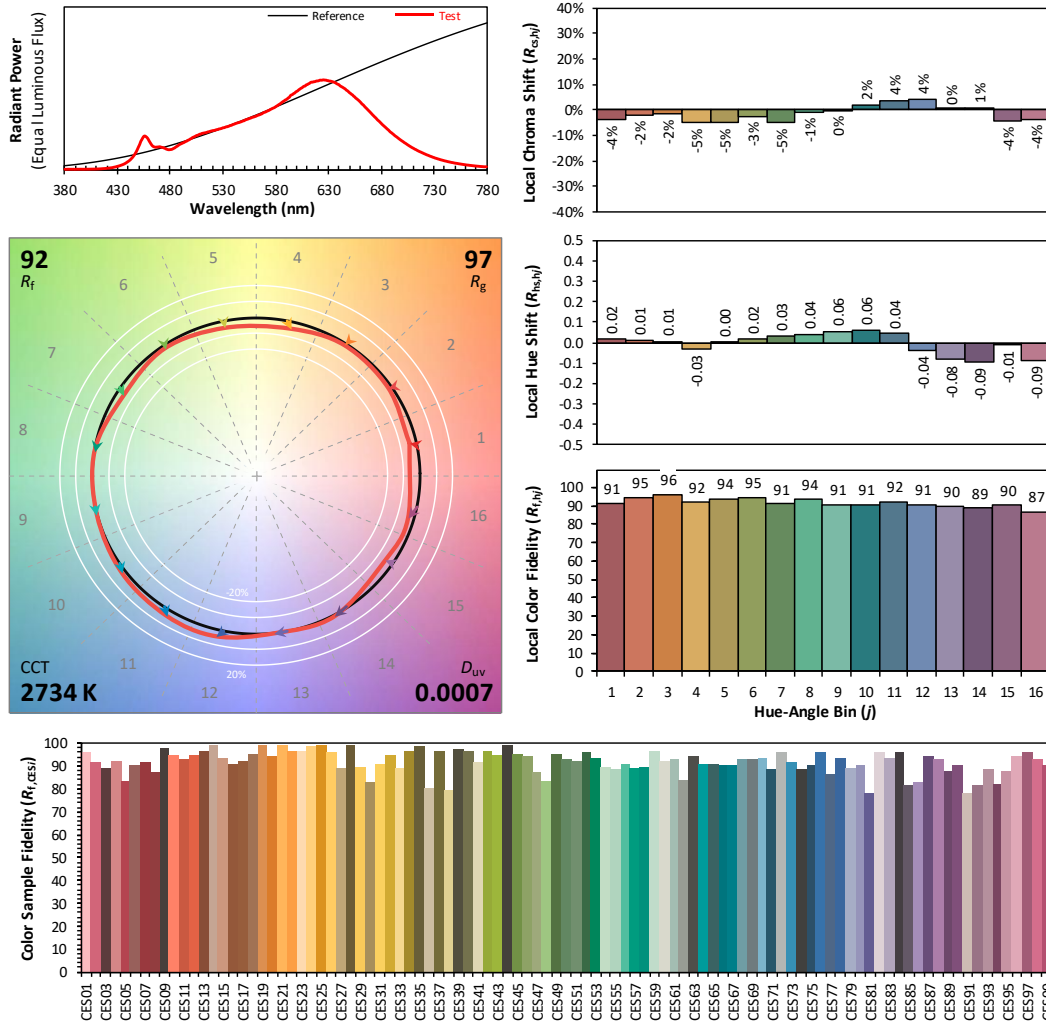
ANSI/IES TM-30-18 Color Rendition Report

Source: 1 CIE F1

Manufacturer: RAB Lighting Inc.

Date: 2025/9/19

Model: PIVOTM24DB @8W2700K



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

x 0.4583
 y 0.4122
 u' 0.2608
 v' 0.5277

CIE 13.3-1995
(CRI)

R_a 95
 R_g 68

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	1.50E-06	447	1.82E-04	514	4.10E-04	581	7.06E-04	648	8.78E-04	715	2.08E-04
381	3.00E-07	448	2.03E-04	515	4.14E-04	582	7.14E-04	649	8.67E-04	716	2.01E-04
382	1.00E-06	449	2.28E-04	516	4.19E-04	583	7.22E-04	650	8.56E-04	717	1.96E-04
383	1.40E-06	450	2.55E-04	517	4.21E-04	584	7.29E-04	651	8.48E-04	718	1.91E-04
384	1.30E-06	451	2.79E-04	518	4.25E-04	585	7.38E-04	652	8.37E-04	719	1.86E-04
385	1.00E-06	452	3.12E-04	519	4.28E-04	586	7.48E-04	653	8.30E-04	720	1.80E-04
386	1.50E-06	453	3.32E-04	520	4.32E-04	587	7.57E-04	654	8.17E-04	721	1.75E-04
387	8.00E-07	454	3.54E-04	521	4.33E-04	588	7.63E-04	655	8.08E-04	722	1.70E-04
388	1.70E-06	455	3.69E-04	522	4.35E-04	589	7.73E-04	656	7.95E-04	723	1.64E-04
389	4.00E-07	456	3.72E-04	523	4.39E-04	590	7.78E-04	657	7.87E-04	724	1.60E-04
390	8.00E-07	457	3.64E-04	524	4.43E-04	591	7.86E-04	658	7.77E-04	725	1.55E-04
391	1.10E-06	458	3.54E-04	525	4.45E-04	592	7.98E-04	659	7.67E-04	726	1.50E-04
392	1.50E-06	459	3.37E-04	526	4.50E-04	593	8.04E-04	660	7.55E-04	727	1.45E-04
393	1.10E-06	460	3.16E-04	527	4.52E-04	594	8.22E-04	661	7.42E-04	728	1.42E-04
394	1.30E-06	461	2.97E-04	528	4.55E-04	595	8.30E-04	662	7.28E-04	729	1.36E-04
395	1.60E-06	462	2.78E-04	529	4.58E-04	596	8.35E-04	663	7.20E-04	730	1.33E-04
396	1.50E-06	463	2.63E-04	530	4.64E-04	597	8.45E-04	664	7.07E-04	731	1.28E-04
397	1.20E-06	464	2.54E-04	531	4.65E-04	598	8.51E-04	665	6.94E-04	732	1.24E-04
398	1.30E-06	465	2.50E-04	532	4.69E-04	599	8.63E-04	666	6.82E-04	733	1.20E-04
399	1.50E-06	466	2.47E-04	533	4.74E-04	600	8.70E-04	667	6.70E-04	734	1.16E-04
400	2.00E-06	467	2.48E-04	534	4.76E-04	601	8.77E-04	668	6.58E-04	735	1.13E-04
401	1.70E-06	468	2.49E-04	535	4.79E-04	602	8.88E-04	669	6.46E-04	736	1.09E-04
402	1.90E-06	469	2.51E-04	536	4.84E-04	603	8.95E-04	670	6.34E-04	737	1.06E-04
403	2.00E-06	470	2.52E-04	537	4.89E-04	604	9.05E-04	671	6.21E-04	738	1.03E-04
404	2.20E-06	471	2.49E-04	538	4.91E-04	605	9.10E-04	672	6.08E-04	739	9.95E-05
405	2.80E-06	472	2.45E-04	539	4.98E-04	606	9.20E-04	673	5.97E-04	740	9.61E-05
406	2.80E-06	473	2.43E-04	540	5.02E-04	607	9.28E-04	674	5.84E-04	741	9.32E-05
407	3.10E-06	474	2.38E-04	541	5.06E-04	608	9.30E-04	675	5.74E-04	742	9.07E-05
408	3.20E-06	475	2.34E-04	542	5.12E-04	609	9.42E-04	676	5.60E-04	743	8.74E-05
409	3.40E-06	476	2.27E-04	543	5.15E-04	610	9.46E-04	677	5.48E-04	744	8.47E-05
410	4.10E-06	477	2.23E-04	544	5.20E-04	611	9.54E-04	678	5.39E-04	745	8.22E-05
411	4.40E-06	478	2.20E-04	545	5.22E-04	612	9.58E-04	679	5.27E-04	746	7.97E-05
412	4.80E-06	479	2.19E-04	546	5.26E-04	613	9.68E-04	680	5.15E-04	747	7.68E-05
413	5.60E-06	480	2.21E-04	547	5.30E-04	614	9.73E-04	681	5.02E-04	748	7.54E-05
414	6.00E-06	481	2.22E-04	548	5.35E-04	615	9.73E-04	682	4.92E-04	749	7.25E-05
415	7.00E-06	482	2.26E-04	549	5.41E-04	616	9.77E-04	683	4.81E-04	750	6.99E-05
416	8.00E-06	483	2.33E-04	550	5.42E-04	617	9.78E-04	684	4.71E-04	751	6.80E-05
417	8.60E-06	484	2.38E-04	551	5.50E-04	618	9.82E-04	685	4.60E-04	752	6.67E-05
418	9.50E-06	485	2.47E-04	552	5.55E-04	619	9.86E-04	686	4.49E-04	753	6.43E-05
419	1.08E-05	486	2.55E-04	553	5.59E-04	620	9.86E-04	687	4.39E-04	754	6.20E-05
420	1.21E-05	487	2.62E-04	554	5.62E-04	621	9.90E-04	688	4.27E-04	755	6.05E-05
421	1.33E-05	488	2.71E-04	555	5.67E-04	622	9.95E-04	689	4.15E-04	756	5.83E-05
422	1.45E-05	489	2.79E-04	556	5.71E-04	623	9.95E-04	690	4.07E-04	757	5.64E-05
423	1.65E-05	490	2.84E-04	557	5.76E-04	624	9.95E-04	691	3.97E-04	758	5.47E-05
424	1.77E-05	491	2.89E-04	558	5.81E-04	625	9.98E-04	692	3.88E-04	759	5.29E-05
425	1.94E-05	492	2.95E-04	559	5.84E-04	626	9.97E-04	693	3.77E-04	760	5.12E-05
426	2.24E-05	493	3.00E-04	560	5.88E-04	627	9.95E-04	694	3.68E-04	761	4.92E-05
427	2.51E-05	494	3.07E-04	561	5.92E-04	628	9.95E-04	695	3.60E-04	762	4.79E-05
428	2.72E-05	495	3.13E-04	562	5.97E-04	629	9.90E-04	696	3.51E-04	763	4.67E-05
429	3.09E-05	496	3.18E-04	563	6.03E-04	630	9.89E-04	697	3.41E-04	764	4.49E-05
430	3.41E-05	497	3.26E-04	564	6.07E-04	631	9.85E-04	698	3.33E-04	765	4.37E-05
431	3.72E-05	498	3.31E-04	565	6.10E-04	632	9.85E-04	699	3.24E-04	766	4.22E-05
432	4.05E-05	499	3.39E-04	566	6.16E-04	633	9.81E-04	700	3.16E-04	767	4.09E-05
433	4.49E-05	500	3.45E-04	567	6.20E-04	634	9.78E-04	701	3.08E-04	768	3.97E-05
434	4.91E-05	501	3.54E-04	568	6.30E-04	635	9.74E-04	702	2.99E-04	769	3.83E-05
435	5.36E-05	502	3.59E-04	569	6.35E-04	636	9.69E-04	703	2.92E-04	770	3.71E-05
436	5.89E-05	503	3.64E-04	570	6.38E-04	637	9.63E-04	704	2.84E-04	771	3.59E-05
437	6.49E-05	504	3.71E-04	571	6.44E-04	638	9.56E-04	705	2.76E-04	772	3.49E-05
438	7.20E-05	505	3.77E-04	572	6.50E-04	639	9.49E-04	706	2.68E-04	773	3.37E-05
439	8.02E-05	506	3.80E-04	573	6.55E-04	640	9.45E-04	707	2.60E-04	774	3.27E-05
440	8.79E-05	507	3.86E-04	574	6.61E-04	641	9.33E-04	708	2.53E-04	775	3.16E-05
441	9.67E-05	508	3.92E-04	575	6.68E-04	642	9.25E-04	709	2.46E-04	776	3.08E-05
442	1.06E-04	509	3.94E-04	576	6.74E-04	643	9.19E-04	710	2.39E-04	777	2.99E-05
443	1.19E-04	510	4.01E-04	577	6.80E-04	644	9.12E-04	711	2.33E-04	778	2.88E-05
444	1.31E-04	511	4.03E-04	578	6.85E-04	645	9.04E-04	712	2.26E-04	779	2.88E-05
445	1.46E-04	512	4.06E-04	579	6.90E-04	646	8.97E-04	713	2.21E-04	780	2.89E-05
446	1.63E-04	513	4.08E-04	580	6.99E-04	647	8.85E-04	714	2.14E-04	N/A	N/A

4.0 LM-79 Measurement and Test Results

4.2 Goniophotometer Test

Model No.	PIVOTM24DB @8W2700K	Sample ID	250903023-S1
Operate time (Min.)	30	Stabilization time (Min.)	60
Temperature (°C)	25.0	Humidity (%RH)	40.2

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	0.059	6.8	0.957
NON-WORST CASE	N/A	N/A	N/A	N/A	N/A

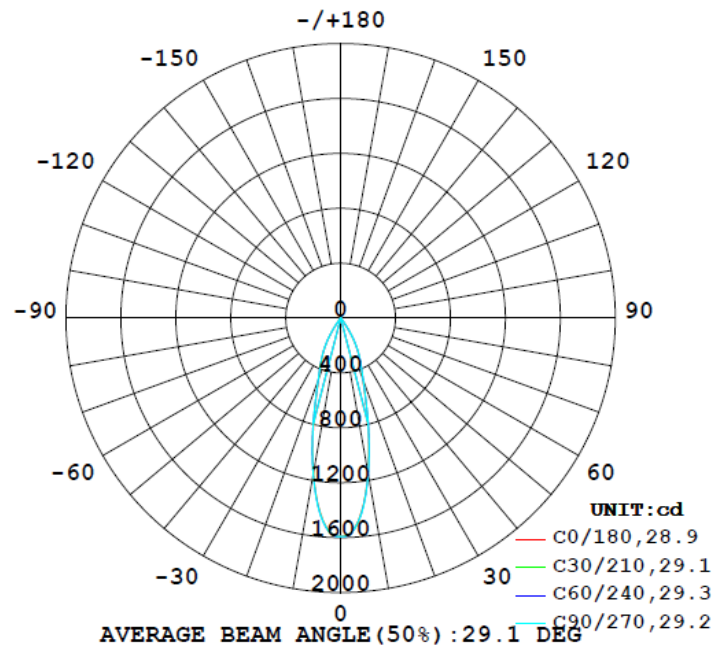
Test Result

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°)
563	63.6	64.2	28.9	29.2	82.8	100.0%

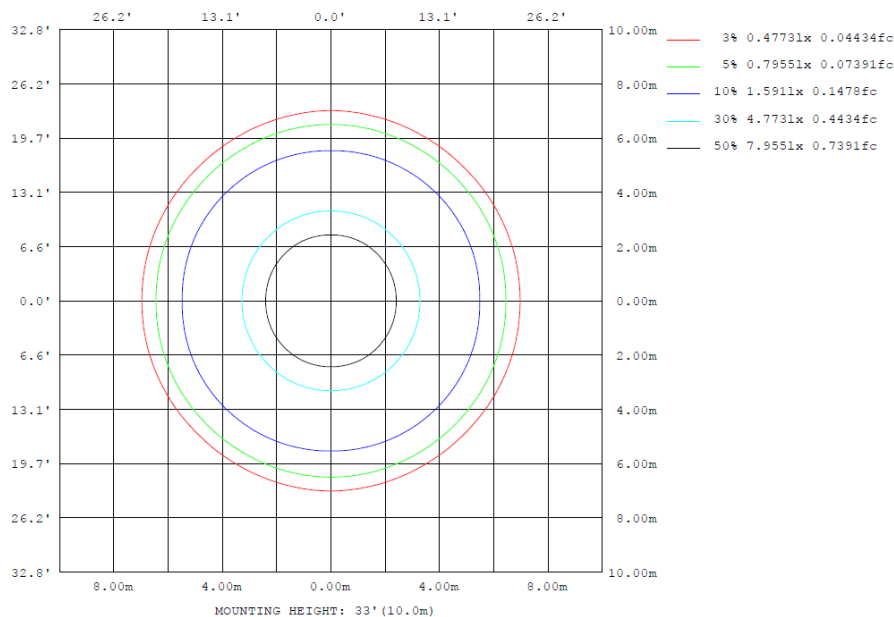
4.2 Goniophotometer Test

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	1148	1156	1158	1156	1148	1156	1158	1156	0- 10	130.9	130.9	23.3,23.3
20	474.0	478.4	482.6	478.4	474.0	478.4	482.6	478.4	10- 20	211.1	342.0	60.8,60.8
30	202.9	214.1	211.1	214.1	202.9	214.1	211.1	214.1	20- 30	152.2	494.2	87.9,87.9
40	14.45	14.55	14.73	14.55	14.45	14.55	14.73	14.55	30- 40	54.89	549.1	97.6,97.6
50	6.684	6.791	6.710	6.791	6.684	6.791	6.710	6.791	40- 50	6.993	556.1	98.9,98.9
60	3.103	3.276	3.321	3.276	3.103	3.276	3.321	3.276	50- 60	4.693	560.8	99.7,99.7
70	0.5275	0.5969	0.5921	0.5969	0.5275	0.5969	0.5921	0.5969	60- 70	1.620	562.4	100,100
80	0.0159	0.0159	0.0163	0.0159	0.0159	0.0159	0.0163	0.0159	70- 80	0.1075	562.5	100,100
90	0	0	0	0	0	0	0	0	80- 90	0.0087	562.5	100,100
100	0	0	0	0	0	0	0	0	90-100	0	562.5	100,100
110	0	0	0	0	0	0	0	0	100-110	0	562.5	100,100
120	0	0	0	0	0	0	0	0	110-120	0	562.5	100,100
130	0	0	0	0	0	0	0	0	120-130	0	562.5	100,100
140	0	0	0	0	0	0	0	0	130-140	0	562.5	100,100
150	0	0	0	0	0	0	0	0	140-150	0	562.5	100,100
160	0	0	0	0	0	0	0	0	150-160	0	562.5	100,100
170	0	0	0	0	0	0	0	0	160-170	0	562.5	100,100
180	0	0	0	0	0	0	0	0	170-180	0	562.5	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Zonal (lm)		Total (lm)		Percent
0-10	130.93	0-10	130.93	23.28%
10-20	211.11	0-20	342.04	60.81%
20-30	152.16	0-30	494.20	87.86%
30-40	54.89	0-40	549.09	97.61%
40-50	6.99	0-50	556.08	98.86%
50-60	4.69	0-60	560.77	99.69%
60-70	1.62	0-70	562.39	99.98%
70-80	0.11	0-80	562.50	100.00%
80-90	0.01	0-90	562.51	100.00%
90-100	0.00	0-100	562.51	100.00%
100-110	0.00	0-110	562.51	100.00%
110-120	0.00	0-120	562.51	100.00%
120-130	0.00	0-130	562.51	100.00%
130-140	0.00	0-140	562.51	100.00%
140-150	0.00	0-150	562.51	100.00%
150-160	0.00	0-160	562.51	100.00%
160-170	0.00	0-170	562.51	100.00%
170-180	0.00	0-180	562.51	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	1591	1587	1591	1593	1593	1595	1592	1595	1593	1593	1591	1587	1591	1587	1591	1593	1593	1595	1592
5	1481	1478	1483	1485	1488	1488	1487	1488	1488	1485	1483	1478	1481	1478	1483	1485	1488	1488	1487
10	1148	1149	1151	1156	1159	1160	1158	1160	1159	1156	1151	1149	1148	1149	1151	1156	1159	1160	1158
15	755	758	763	766	770	770	766	770	770	766	763	758	755	758	763	766	770	770	766
20	474	474	476	478	481	482	483	482	481	478	476	474	474	474	476	478	481	482	483
25	330	332	333	333	334	334	335	334	334	333	333	332	330	332	333	333	334	334	335
30	203	208	212	214	215	214	211	214	215	214	212	208	203	208	212	214	215	214	211
35	83.4	83.7	82.8	81.2	82.6	85.4	88.3	85.4	82.6	81.2	82.8	83.7	83.4	83.7	82.8	81.2	82.6	85.4	88.3
40	14.4	14.8	14.8	14.5	14.6	14.6	14.7	14.6	14.6	14.5	14.8	14.8	14.4	14.8	14.8	14.5	14.6	14.6	14.7
45	8.31	8.57	8.65	8.43	8.41	8.37	8.29	8.37	8.41	8.43	8.65	8.57	8.31	8.57	8.65	8.43	8.41	8.37	8.29
50	6.68	6.90	6.95	6.79	6.72	6.75	6.71	6.75	6.72	6.79	6.95	6.90	6.68	6.90	6.95	6.79	6.72	6.75	6.71
55	5.24	5.40	5.43	5.36	5.39	5.39	5.38	5.39	5.36	5.43	5.40	5.24	5.40	5.43	5.36	5.39	5.39	5.38	5.39
60	3.10	3.21	3.29	3.28	3.32	3.33	3.32	3.33	3.32	3.28	3.29	3.21	3.10	3.21	3.29	3.28	3.32	3.33	3.32
65	1.36	1.45	1.50	1.51	1.54	1.54	1.49	1.54	1.54	1.51	1.50	1.45	1.36	1.45	1.50	1.51	1.54	1.54	1.49
70	0.53	0.58	0.60	0.60	0.57	0.57	0.59	0.57	0.57	0.60	0.60	0.58	0.53	0.58	0.60	0.60	0.57	0.57	0.59
75	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
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	1595	1593	1593	1591	1587														
5	1488	1488	1485	1483	1478														
10	1160	1159	1156	1151	1149														
15	770	770	766	763	758														
20	482	481	478	476	474														
25	334	334	333	333	332														
30	214	215	214	212	208														
35	85.4	82.6	81.2	82.8	83.7														
40	14.6	14.6	14.5	14.8	14.8														
45	8.37	8.41	8.43	8.65	8.57														
50	6.75	6.72	6.79	6.95	6.90														
55	5.39	5.39	5.36	5.43	5.40														
60	3.33	3.32	3.28	3.29	3.21														
65	1.54	1.54	1.51	1.50	1.45														
70	0.57	0.57	0.60	0.60	0.58														
75	0.03	0.03	0.03	0.03	0.03														
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.	PIVOTM24DB @8W2700K	Sample ID	250903023-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	0.059	6.8	0.957	12.50

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*****