

Photometric Test Report

Relevant Standards

- ☒ ANSI/IES LM-79-2019
- ☒ ANSI C82.77-2017

Prepared For

RAB Lighting Inc.

Address: 408 W 14th St New York, NY 10014

Prepared By

Dongguan New Testing Centre Co., Ltd.

Address: 3F No. 1 the 1st North Industry Road, Songshan Lake Science & Technology Park, Dongguan, Guangdong, China

Prepare by:

Alan Wang

Engineer: Alan Wang

Date: 2025-09-19

Review by:

Vincent Yuan

Technical Lead: Vincent Yuan

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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		630
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Standard	Premium	91.3
			95	110	
Power (Input Wattage) (W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Case		6.9
Total Harmonic Distortion (A%) (THD & PF – Section 4.3)		ANSI C82.77:2002 ANSI C82-77-10:2020	20.00%	120V	12.43
Power Factor (THD & PF – Section 4.3)		ANSI C82.77:2002 ANSI C82-77-10:2020	0.9	120V	0.959
Allowable CCTs* (K) (Integrating Sphere – Section 4.1)		ANSI/IES LM-79:2019	7 steps	5029±283	4925
			4 steps	5029±220	
Minimum CRI (Integrating Sphere – Section 4.1)		ANSI/IES LM-79:2019 CIE13.3-1995	≥80		93.0
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		90
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		0.060
(Goniophotometer – Section 4.2)			Non-Worst Case		N/A
Power (Input Wattage – W)					
(Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Case		6.9
(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	2025-09-09	PIVOTM24DB @8W5000K	-	250903023-S1
2	Goniophotometer Test	2025-09-09	PIVOTM24DB @8W5000K	-	250903023-S1
3	THD and PF Test	2025-09-09	PIVOTM24DB @8W5000K	-	250903023-S1

Remark (If any):

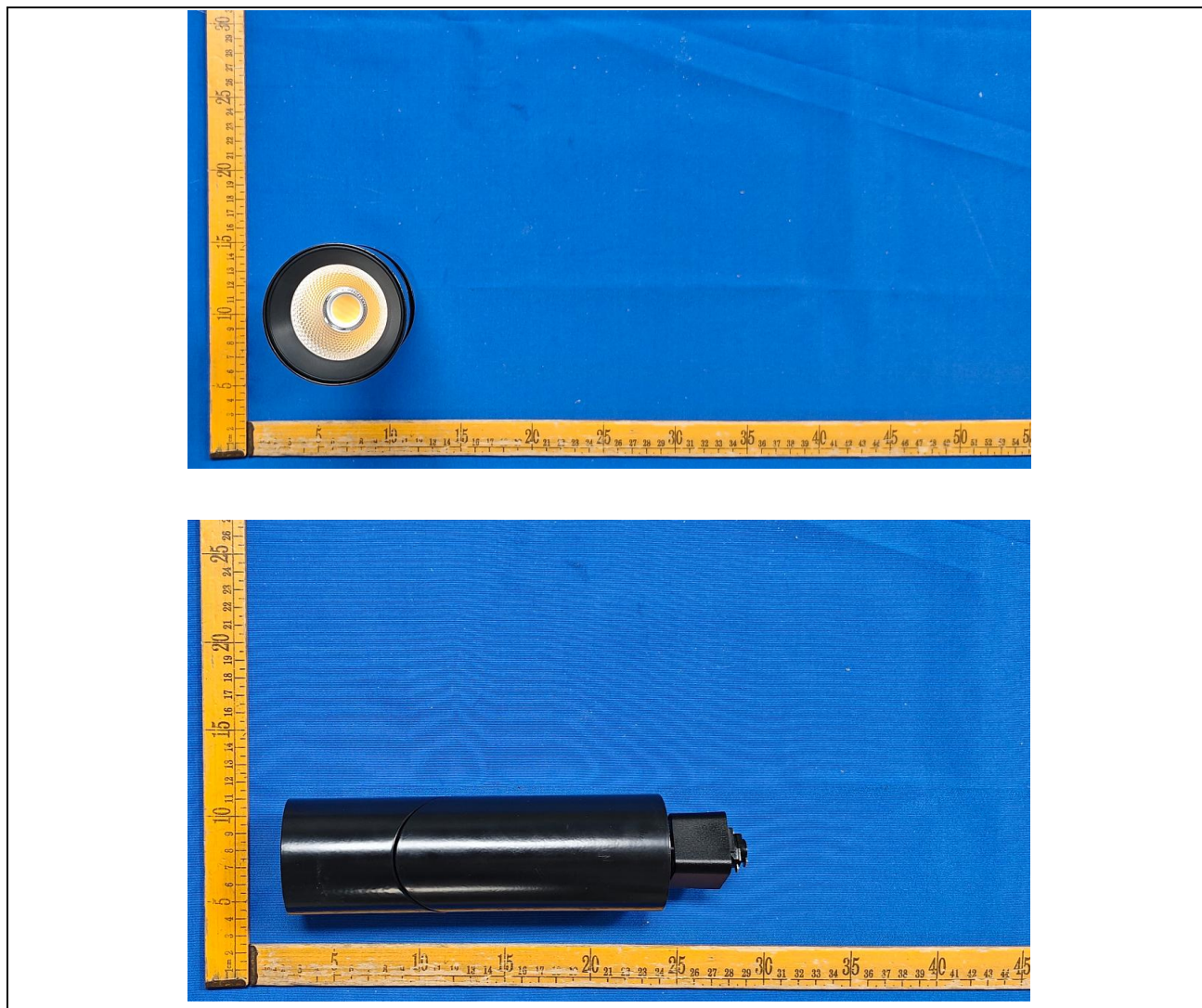
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3.0 Product Description

Luminaire Description: Model No. PIVOTM24DB @8W5000K, 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 @8W5000K	Sample ID	250903023-S1
Operate time (Min.)	10	Stabilization time (Min.)	60
Temperature (°C)	25.4	Humidity (%RH)	41.0

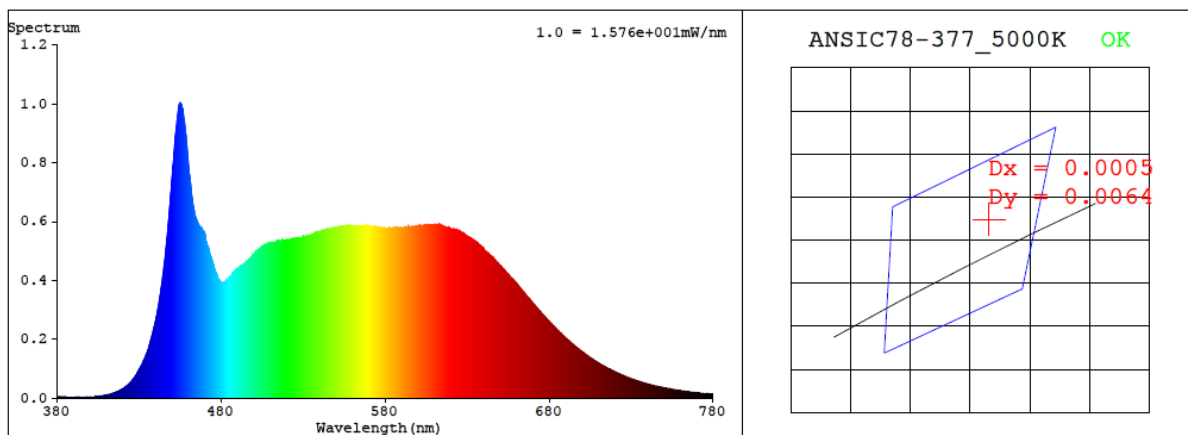
Test Method
<p>The Samples were tested according to the ANSI/IES LM-79:2019.</p> <p>Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at 25±1°C.</p> <p>The sample measurements were made 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	0.060	6.9	0.959

CCT (K)	CRI	R9	Duv	SDCM	Rf	Rg	IES Rcs,h1
4925	93.0	69	0.0030	2.1	90	97	-5%

4.1 Integrating Sphere Test



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3478$ $y = 0.3597$ / $u' = 0.2101$ $v' = 0.4890$ ($duv=2.97e-03$)

CCT= 4925K Prcp WL: $L_d=571.0nm$ Purity=12.3%

Peak WL: $L_p=455nm$ FWHM: $=26.7nm$ Ratio: $R=17.4\%$ $G=76.8\%$ $B=5.8\%$

Render Index: $R_a = 93.0$ $AvgR = 90.2$ $TM30:R_f=91$ $R_g=97$

EEL: 0.12881 A+

R1 =94 R2 =99 R3 =98 R4 =89 R5 =92 R6 =95 R7 =92

R8 =86 R9 =69 R10=96 R11=91 R12=68 R13=96 R14=99 R15=91

4.1 Integrating Sphere Test

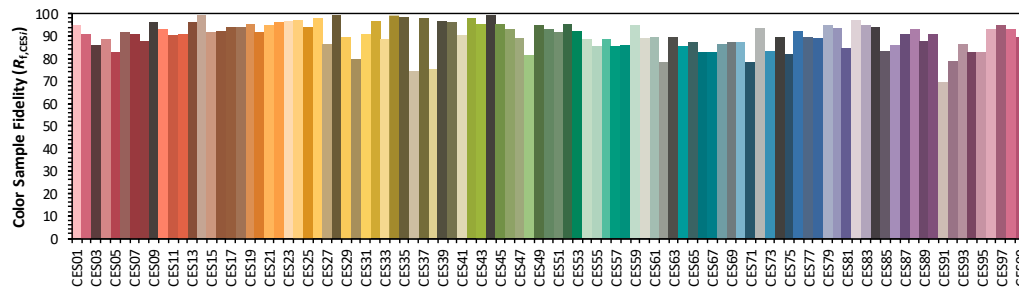
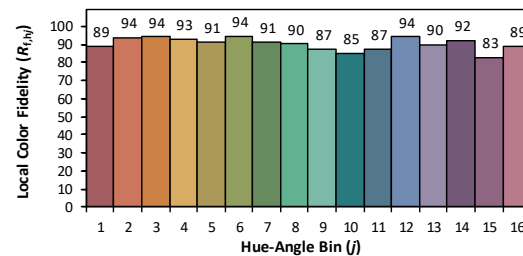
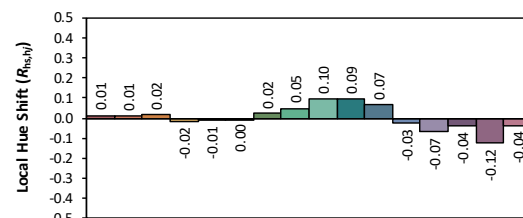
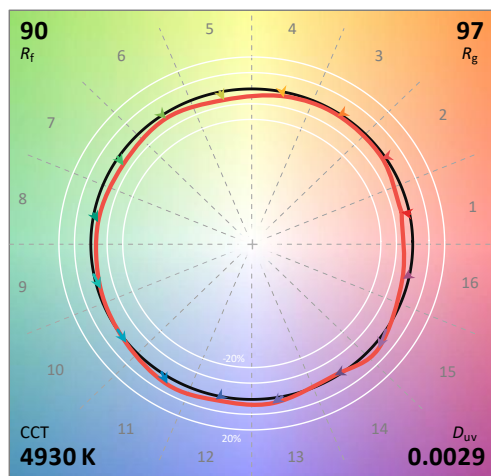
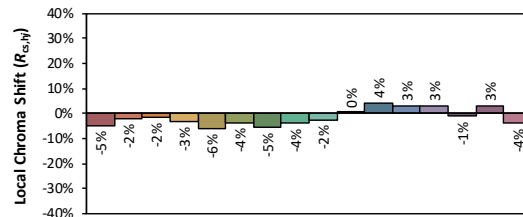
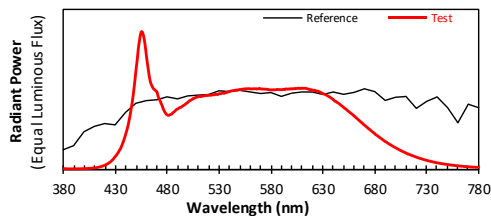
ANSI/IES TM-30-18 Color Rendition Report

Source: 1 CIE F1

Manufacturer: RAB Lighting Inc.

Date: 2025/9/19

Model: PIVOTM24DB @8W5000K



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

x 0.3478
 y 0.3596
 u' 0.2101
 v' 0.4889

CIE 13.3-1995
(CRI)

R_a 93
 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	4.20E-06	447	5.42E-04	514	5.33E-04	581	5.77E-04	648	4.63E-04	715	1.03E-04
381	4.50E-06	448	6.04E-04	515	5.32E-04	582	5.77E-04	649	4.57E-04	716	1.00E-04
382	3.70E-06	449	6.72E-04	516	5.34E-04	583	5.78E-04	650	4.51E-04	717	9.84E-05
383	3.20E-06	450	7.43E-04	517	5.36E-04	584	5.77E-04	651	4.45E-04	718	9.55E-05
384	3.00E-06	451	8.05E-04	518	5.36E-04	585	5.78E-04	652	4.39E-04	719	9.22E-05
385	2.70E-06	452	8.83E-04	519	5.36E-04	586	5.80E-04	653	4.33E-04	720	8.93E-05
386	2.80E-06	453	9.33E-04	520	5.38E-04	587	5.79E-04	654	4.26E-04	721	8.69E-05
387	2.80E-06	454	9.80E-04	521	5.38E-04	588	5.79E-04	655	4.21E-04	722	8.36E-05
388	3.00E-06	455	1.00E-03	522	5.37E-04	589	5.79E-04	656	4.14E-04	723	8.17E-05
389	3.00E-06	456	9.92E-04	523	5.40E-04	590	5.78E-04	657	4.08E-04	724	7.89E-05
390	3.10E-06	457	9.67E-04	524	5.42E-04	591	5.78E-04	658	4.03E-04	725	7.69E-05
391	3.00E-06	458	9.27E-04	525	5.41E-04	592	5.81E-04	659	3.96E-04	726	7.45E-05
392	3.00E-06	459	8.70E-04	526	5.43E-04	593	5.78E-04	660	3.90E-04	727	7.26E-05
393	3.30E-06	460	8.07E-04	527	5.44E-04	594	5.84E-04	661	3.84E-04	728	6.96E-05
394	3.60E-06	461	7.54E-04	528	5.43E-04	595	5.82E-04	662	3.76E-04	729	6.79E-05
395	3.50E-06	462	7.00E-04	529	5.44E-04	596	5.83E-04	663	3.70E-04	730	6.56E-05
396	3.30E-06	463	6.55E-04	530	5.50E-04	597	5.83E-04	664	3.63E-04	731	6.37E-05
397	4.10E-06	464	6.24E-04	531	5.48E-04	598	5.82E-04	665	3.56E-04	732	6.15E-05
398	4.30E-06	465	6.08E-04	532	5.50E-04	599	5.85E-04	666	3.49E-04	733	5.97E-05
399	4.00E-06	466	5.91E-04	533	5.53E-04	600	5.84E-04	667	3.42E-04	734	5.77E-05
400	4.50E-06	467	5.82E-04	534	5.53E-04	601	5.83E-04	668	3.37E-04	735	5.61E-05
401	4.70E-06	468	5.76E-04	535	5.52E-04	602	5.87E-04	669	3.29E-04	736	5.44E-05
402	5.00E-06	469	5.68E-04	536	5.56E-04	603	5.85E-04	670	3.23E-04	737	5.25E-05
403	5.40E-06	470	5.61E-04	537	5.58E-04	604	5.87E-04	671	3.17E-04	738	5.08E-05
404	5.90E-06	471	5.30E-04	538	5.59E-04	605	5.87E-04	672	3.10E-04	739	4.93E-05
405	6.30E-06	472	5.12E-04	539	5.65E-04	606	5.88E-04	673	3.04E-04	740	4.76E-05
406	6.90E-06	473	4.97E-04	540	5.65E-04	607	5.89E-04	674	2.97E-04	741	4.63E-05
407	7.60E-06	474	4.77E-04	541	5.67E-04	608	5.86E-04	675	2.91E-04	742	4.49E-05
408	8.50E-06	475	4.61E-04	542	5.69E-04	609	5.89E-04	676	2.85E-04	743	4.32E-05
409	9.40E-06	476	4.39E-04	543	5.71E-04	610	5.88E-04	677	2.78E-04	744	4.19E-05
410	1.01E-05	477	4.23E-04	544	5.71E-04	611	5.89E-04	678	2.73E-04	745	4.07E-05
411	1.17E-05	478	4.09E-04	545	5.73E-04	612	5.88E-04	679	2.66E-04	746	3.98E-05
412	1.28E-05	479	4.00E-04	546	5.75E-04	613	5.89E-04	680	2.61E-04	747	3.84E-05
413	1.43E-05	480	3.95E-04	547	5.75E-04	614	5.88E-04	681	2.53E-04	748	3.69E-05
414	1.61E-05	481	3.92E-04	548	5.77E-04	615	5.84E-04	682	2.48E-04	749	3.62E-05
415	1.77E-05	482	3.94E-04	549	5.78E-04	616	5.83E-04	683	2.43E-04	750	3.48E-05
416	2.00E-05	483	3.98E-04	550	5.80E-04	617	5.80E-04	684	2.37E-04	751	3.40E-05
417	2.20E-05	484	4.00E-04	551	5.80E-04	618	5.79E-04	685	2.31E-04	752	3.29E-05
418	2.50E-05	485	4.08E-04	552	5.81E-04	619	5.77E-04	686	2.26E-04	753	3.14E-05
419	2.79E-05	486	4.14E-04	553	5.83E-04	620	5.76E-04	687	2.21E-04	754	3.08E-05
420	3.12E-05	487	4.21E-04	554	5.83E-04	621	5.73E-04	688	2.15E-04	755	2.95E-05
421	3.48E-05	488	4.29E-04	555	5.85E-04	622	5.74E-04	689	2.09E-04	756	2.87E-05
422	3.92E-05	489	4.35E-04	556	5.84E-04	623	5.71E-04	690	2.03E-04	757	2.77E-05
423	4.33E-05	490	4.38E-04	557	5.85E-04	624	5.69E-04	691	1.99E-04	758	2.71E-05
424	4.86E-05	491	4.44E-04	558	5.85E-04	625	5.68E-04	692	1.95E-04	759	2.64E-05
425	5.38E-05	492	4.48E-04	559	5.86E-04	626	5.65E-04	693	1.89E-04	760	2.57E-05
426	6.13E-05	493	4.50E-04	560	5.84E-04	627	5.62E-04	694	1.85E-04	761	2.47E-05
427	6.79E-05	494	4.56E-04	561	5.84E-04	628	5.59E-04	695	1.80E-04	762	2.37E-05
428	7.66E-05	495	4.61E-04	562	5.84E-04	629	5.54E-04	696	1.75E-04	763	2.28E-05
429	8.61E-05	496	4.65E-04	563	5.85E-04	630	5.50E-04	697	1.71E-04	764	2.24E-05
430	9.56E-05	497	4.71E-04	564	5.85E-04	631	5.47E-04	698	1.66E-04	765	2.16E-05
431	1.05E-04	498	4.77E-04	565	5.85E-04	632	5.44E-04	699	1.62E-04	766	2.09E-05
432	1.16E-04	499	4.83E-04	566	5.84E-04	633	5.41E-04	700	1.58E-04	767	2.01E-05
433	1.28E-04	500	4.87E-04	567	5.83E-04	634	5.37E-04	701	1.54E-04	768	1.95E-05
434	1.41E-04	501	4.96E-04	568	5.85E-04	635	5.32E-04	702	1.49E-04	769	1.89E-05
435	1.55E-04	502	5.00E-04	569	5.87E-04	636	5.28E-04	703	1.46E-04	770	1.84E-05
436	1.73E-04	503	5.03E-04	570	5.83E-04	637	5.24E-04	704	1.41E-04	771	1.78E-05
437	1.92E-04	504	5.09E-04	571	5.83E-04	638	5.18E-04	705	1.37E-04	772	1.74E-05
438	2.14E-04	505	5.15E-04	572	5.83E-04	639	5.13E-04	706	1.34E-04	773	1.67E-05
439	2.37E-04	506	5.15E-04	573	5.82E-04	640	5.08E-04	707	1.30E-04	774	1.62E-05
440	2.62E-04	507	5.20E-04	574	5.82E-04	641	5.00E-04	708	1.26E-04	775	1.57E-05
441	2.89E-04	508	5.24E-04	575	5.82E-04	642	4.94E-04	709	1.23E-04	776	1.53E-05
442	3.18E-04	509	5.25E-04	576	5.80E-04	643	4.92E-04	710	1.19E-04	777	1.49E-05
443	3.56E-04	510	5.28E-04	577	5.81E-04	644	4.85E-04	711	1.16E-04	778	1.42E-05
444	3.93E-04	511	5.29E-04	578	5.77E-04	645	4.81E-04	712	1.12E-04	779	1.41E-05
445	4.39E-04	512	5.28E-04	579	5.77E-04	646	4.76E-04	713	1.10E-04	780	1.42E-05
446	4.86E-04	513	5.29E-04	580	5.77E-04	647	4.69E-04	714	1.07E-04	N/A	N/A

4.0 LM-79 Measurement and Test Results

4.2 Goniophotometer Test

Model No.	PIVOTM24DB @8W5000K	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	0.060	6.9	0.959
NON-WORST CASE	N/A	N/A	N/A	N/A	N/A

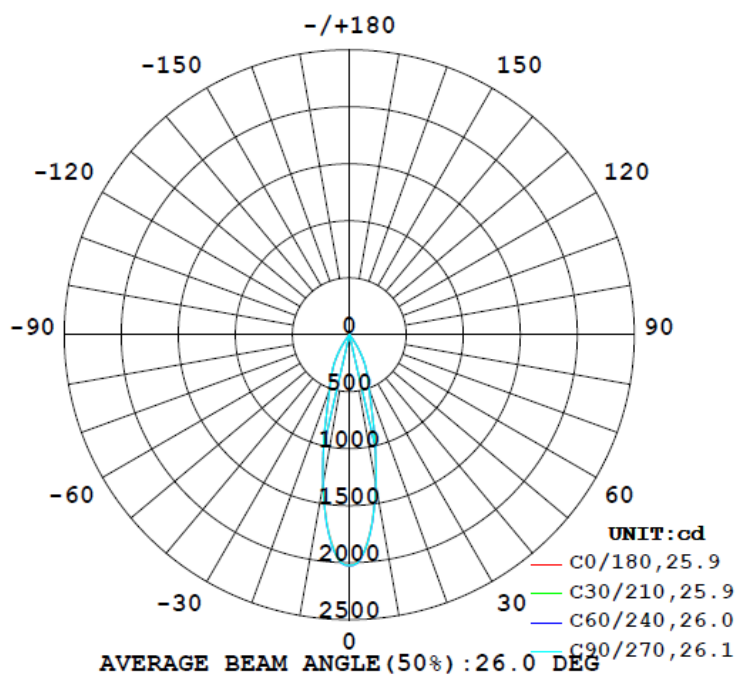
Test Result

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°)
630	61.7	62.2	25.9	26.1	91.3	100.0%

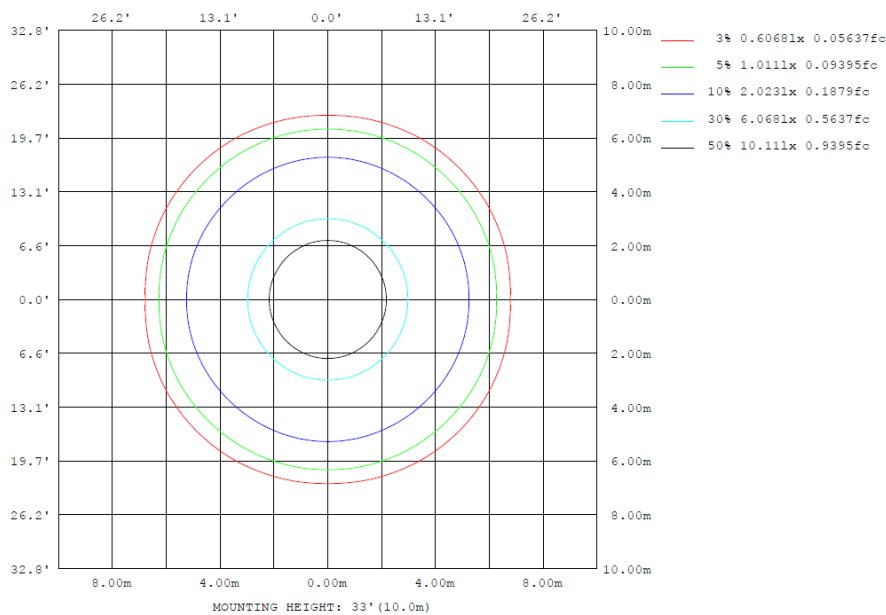
4.2 Goniophotometer Test

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	1333	1337	1342	1337	1333	1337	1342	1337	0- 10	158.5	158.5	25.2, 25.2
20	497.5	512.1	507.0	512.1	497.5	512.1	507.0	512.1	10- 20	230.2	388.8	61.7, 61.7
30	229.6	228.5	237.6	228.5	229.6	228.5	237.6	228.5	20- 30	164.2	553.0	87.8, 87.8
40	15.71	16.78	16.14	16.78	15.71	16.78	16.14	16.78	30- 40	62.06	615.1	97.7, 97.7
50	7.302	7.449	7.351	7.449	7.302	7.449	7.351	7.449	40- 50	7.624	622.7	98.9, 98.9
60	3.400	3.587	3.644	3.587	3.400	3.587	3.644	3.587	50- 60	5.136	627.8	99.7, 99.7
70	0.5795	0.6499	0.6490	0.6499	0.5795	0.6499	0.6490	0.6499	60- 70	1.776	629.6	100, 100
80	0.0181	0.0159	0.0175	0.0159	0.0181	0.0159	0.0175	0.0159	70- 80	0.1178	629.7	100, 100
90	0	0	0	0	0	0	0	0	80- 90	0.0091	629.7	100, 100
100	0	0	0	0	0	0	0	0	90-100	0	629.7	100, 100
110	0	0	0	0	0	0	0	0	100-110	0	629.7	100, 100
120	0	0	0	0	0	0	0	0	110-120	0	629.7	100, 100
130	0	0	0	0	0	0	0	0	120-130	0	629.7	100, 100
140	0	0	0	0	0	0	0	0	130-140	0	629.7	100, 100
150	0	0	0	0	0	0	0	0	140-150	0	629.7	100, 100
160	0	0	0	0	0	0	0	0	150-160	0	629.7	100, 100
170	0	0	0	0	0	0	0	0	160-170	0	629.7	100, 100
180	0	0	0	0	0	0	0	0	170-180	0	629.7	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Zonal (lm)		Total (lm)		Percent
0-10	158.53	0-10	158.53	25.17%
10-20	230.24	0-20	388.77	61.74%
20-30	164.23	0-30	553.00	87.82%
30-40	62.06	0-40	615.06	97.67%
40-50	7.62	0-50	622.68	98.88%
50-60	5.14	0-60	627.82	99.70%
60-70	1.78	0-70	629.60	99.98%
70-80	0.12	0-80	629.72	100.00%
80-90	0.01	0-90	629.73	100.00%
90-100	0.00	0-100	629.73	100.00%
100-110	0.00	0-110	629.73	100.00%
110-120	0.00	0-120	629.73	100.00%
120-130	0.00	0-130	629.73	100.00%
130-140	0.00	0-140	629.73	100.00%
140-150	0.00	0-150	629.73	100.00%
150-160	0.00	0-160	629.73	100.00%
160-170	0.00	0-170	629.73	100.00%
170-180	0.00	0-180	629.73	100.00%

4.2 Goniophotometer Test

Luminous Distribution Intensity Data

Table--1

UNIT: cd

C (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	2023	2021	2025	2022	2025	2024	2022	2024	2025	2022	2025	2021	2023	2021	2025	2022	2025	2024	2022
5	1823	1825	1829	1835	1837	1834	1833	1834	1837	1835	1829	1825	1823	1825	1829	1835	1837	1834	1833
10	1333	1329	1332	1337	1336	1342	1342	1342	1336	1337	1332	1329	1333	1329	1332	1337	1336	1342	1342
15	822	822	822	827	830	833	833	833	830	827	822	822	822	822	827	830	833	833	833
20	498	506	511	512	513	512	507	512	513	512	511	506	498	506	511	512	513	512	507
25	355	358	361	360	361	361	359	361	361	360	361	358	355	358	361	360	361	361	359
30	230	230	230	228	231	234	238	234	231	228	230	230	230	230	228	231	234	238	238
35	84.8	92.9	97.2	99.2	98.7	94.2	92.1	94.2	98.7	99.2	97.2	92.9	84.8	92.9	97.2	99.2	98.7	94.2	92.1
40	15.7	16.6	16.9	16.8	16.6	16.5	16.1	16.5	16.6	16.8	16.9	16.6	15.7	16.6	16.9	16.8	16.6	16.5	16.1
45	9.08	9.39	9.44	9.20	9.17	9.18	9.09	9.18	9.17	9.20	9.44	9.39	9.08	9.39	9.44	9.20	9.17	9.18	9.09
50	7.30	7.57	7.59	7.45	7.36	7.38	7.35	7.38	7.36	7.45	7.59	7.57	7.30	7.57	7.59	7.45	7.36	7.38	7.35
55	5.73	5.92	5.94	5.88	5.88	5.90	5.90	5.88	5.88	5.94	5.92	5.73	5.92	5.94	5.88	5.88	5.90	5.90	5.90
60	3.40	3.53	3.59	3.59	3.63	3.65	3.64	3.65	3.63	3.59	3.59	3.53	3.40	3.53	3.59	3.59	3.63	3.65	3.64
65	1.49	1.59	1.65	1.66	1.69	1.63	1.69	1.63	1.69	1.66	1.65	1.59	1.49	1.59	1.65	1.66	1.69	1.63	1.63
70	0.58	0.63	0.66	0.65	0.62	0.63	0.65	0.63	0.62	0.65	0.66	0.63	0.58	0.63	0.66	0.65	0.62	0.63	0.65
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)	285	300	315	330	345														
0	2024	2025	2022	2025	2021														
5	1834	1837	1835	1829	1825														
10	1342	1336	1337	1332	1329														
15	833	830	827	822	822														
20	512	513	512	511	506														
25	361	361	360	361	358														
30	234	231	228	230	230														
35	94.2	98.7	99.2	97.2	92.9														
40	16.5	16.6	16.8	16.9	16.6														
45	9.18	9.17	9.20	9.44	9.39														
50	7.38	7.36	7.45	7.59	7.57														
55	5.90	5.88	5.88	5.94	5.92														
60	3.65	3.63	3.59	3.59	3.53														
65	1.69	1.69	1.66	1.65	1.59														
70	0.63	0.62	0.65	0.66	0.63														
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 @8W5000K	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	0.060	6.9	0.959	12.43

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*****