

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		526
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Standard	Premium	90.7
			95	110	
Power (Input Wattage) (W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Case		5.8
Total Harmonic Distortion (A%) (THD & PF – Section 4.3)		ANSI C82.77:2002 ANSI C82-77-10:2020	20.00%	120V	14.27
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	3465±245	3503
			4 steps	3465±124	
Minimum CRI (Integrating Sphere – Section 4.1)		ANSI/IES LM-79:2019 CIE13.3-1995	≥80		95.1
Minimum R9 (Integrating Sphere – Section 4.1)		ANSI/IES LM-79-2019 CIE13.3-1995	≥0		80
Minimum Rf (Integrating Sphere – Section 4.1)		ANSI/IES TM-30-18	≥70		91
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%		-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		0.051
(Goniophotometer – Section 4.2)			Non-Worst Case		N/A
Power (Input Wattage – W)					
(Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Case		5.8
(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 @6W3500K	-	250903023-S1
2	Goniophotometer Test	2025-09-09	PIVOTM24DB @6W3500K	-	250903023-S1
3	THD and PF Test	2025-09-09	PIVOTM24DB @6W3500K	-	250903023-S1

Remark (If any):

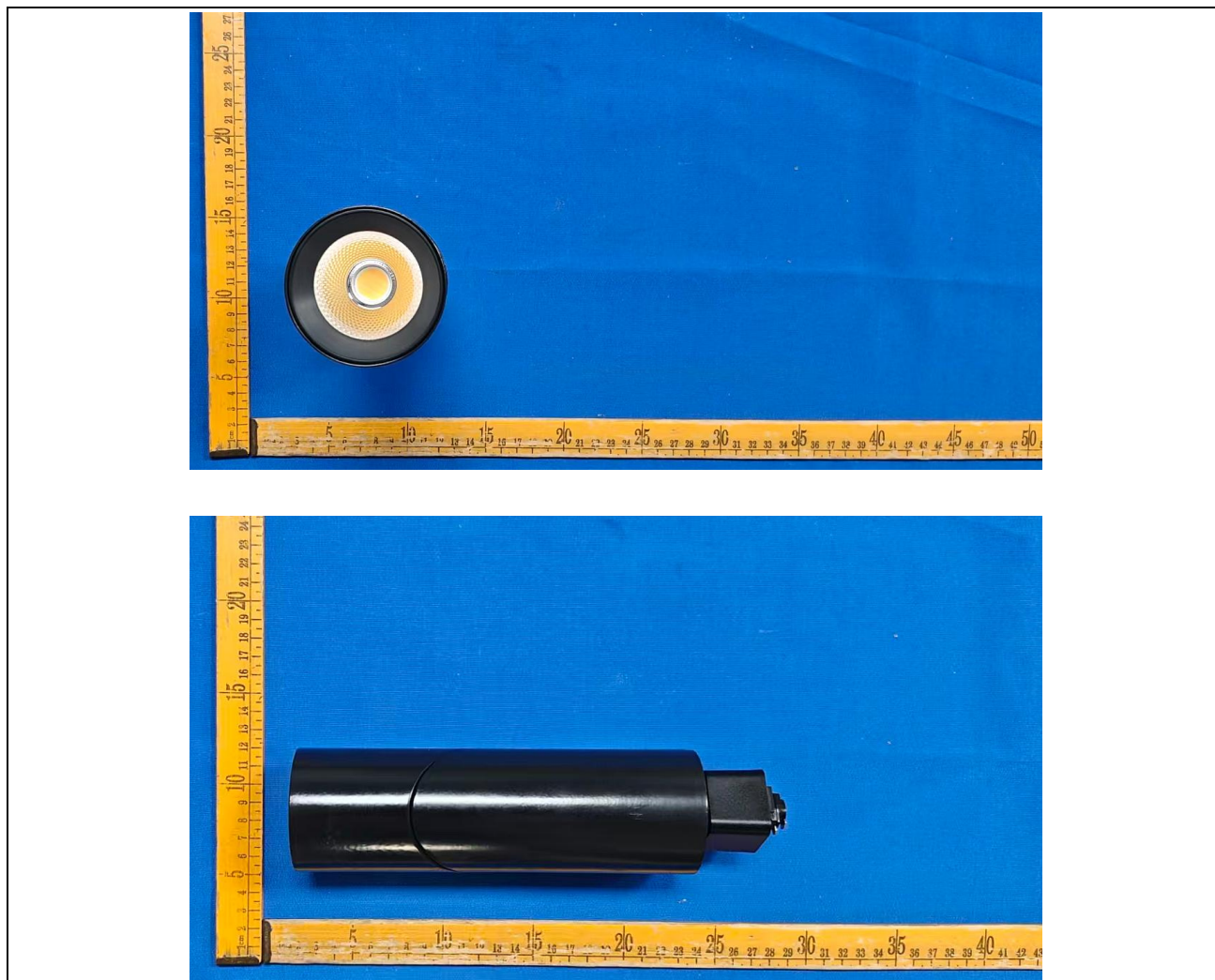
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3.0 Product Description

Luminaire Description: Model No. PIVOTM24DB @6W3500K, 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 @6W3500K	Sample ID	250903023-S1
Operate time (Min.)	10	Stabilization time (Min.)	60
Temperature (°C)	25.4	Humidity (%RH)	41.0

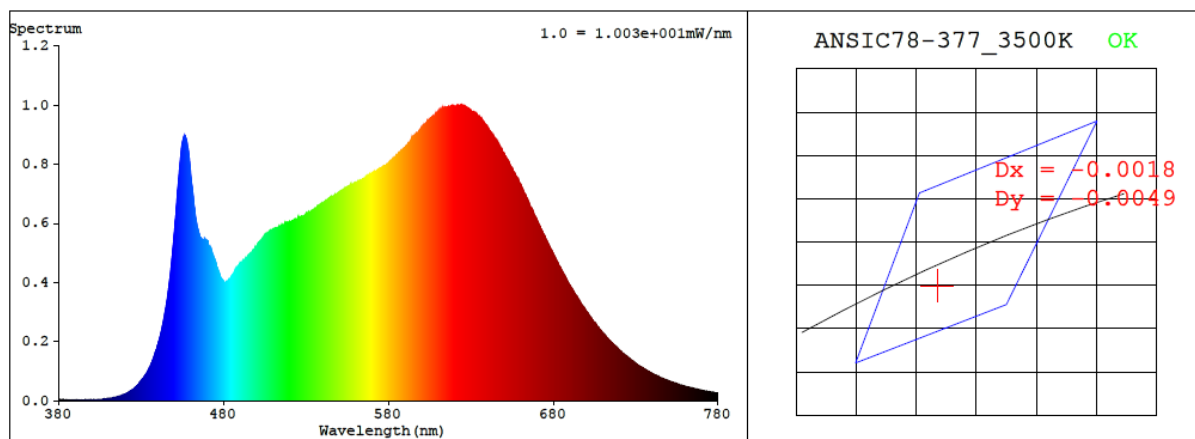
Test Method
<p>The Samples were tested according to the ANSI/IES LM-79:2019.</p> <p>Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at 25±1°C.</p> <p>The sample measurements were made 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	0.051	5.8	0.945

CCT (K)	CRI	R9	Duv	SDCM	Rf	Rg	IES Rcs,h1
3503	95.1	80	-0.0018	2.8	91	97	-3%

4.1 Integrating Sphere Test



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4033$ $y = 0.3857$ / $u' = 0.2365$ $v' = 0.5089$ ($duv = -1.77e-03$)

CCT= 3503K Prcp WL: $L_d = 581.7\text{nm}$ Purity=36.8%

Peak WL: $L_p = 622\text{nm}$ FWHM: $= 182.6\text{nm}$ Ratio: R=22.5% G=73.2% B=4.3%

Render Index: $R_a = 95.1$ AvgR = 93.9 TM30: $R_f = 92$ $R_g = 99$

EEL: 0.00000 A++ Highest

R1 =98 R2 =98 R3 =97 R4 =95 R5 =97 R6 =95 R7 =92

R8 =89 R9 =80 R10=97 R11=98 R12=79 R13=99 R14=99 R15=96

4.1 Integrating Sphere Test

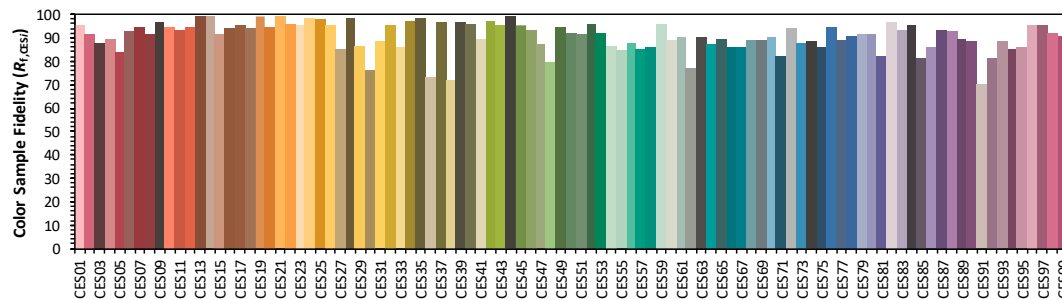
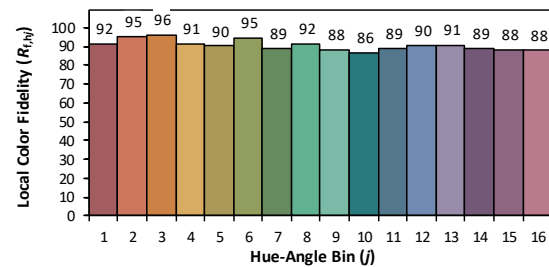
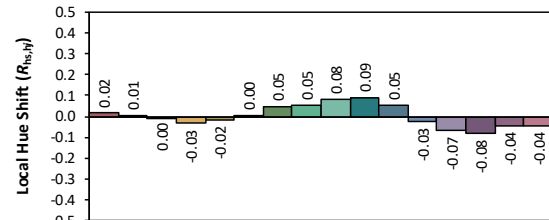
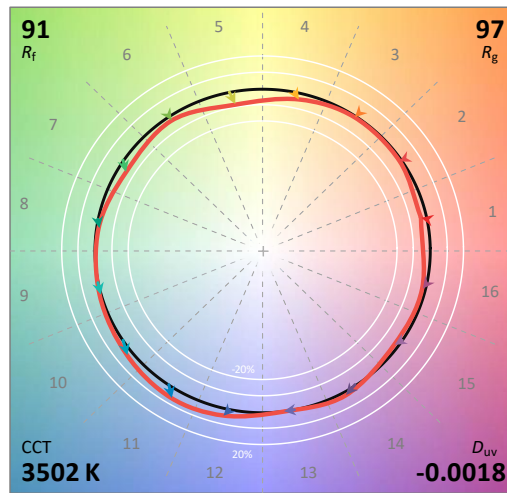
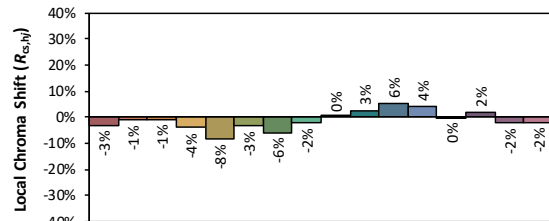
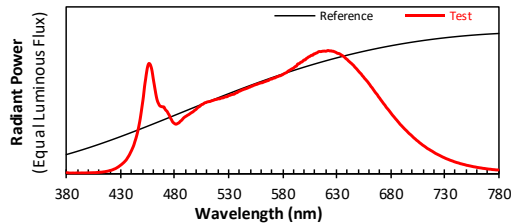
ANSI/IES TM-30-18 Color Rendition Report

Source: 1 CIE F1

Manufacturer: RAB Lighting Inc.

Date: 2025/9/19

Model: PIVOTM24DB @6W3500K



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

x 0.4033
 y 0.3856
 u' 0.2365
 v' 0.5088

CIE 13.3-1995
(CRI)

R_a 95
 R_g 81

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	4.60E-06	447	3.96E-04	514	5.90E-04	581	8.09E-04	648	8.57E-04	715	1.99E-04
381	4.00E-06	448	4.44E-04	515	5.92E-04	582	8.14E-04	649	8.47E-04	716	1.94E-04
382	2.10E-06	449	5.02E-04	516	5.95E-04	583	8.18E-04	650	8.37E-04	717	1.88E-04
383	1.80E-06	450	5.64E-04	517	5.98E-04	584	8.23E-04	651	8.26E-04	718	1.84E-04
384	1.80E-06	451	6.26E-04	518	6.01E-04	585	8.31E-04	652	8.17E-04	719	1.78E-04
385	2.10E-06	452	7.06E-04	519	6.02E-04	586	8.36E-04	653	8.08E-04	720	1.73E-04
386	2.30E-06	453	7.66E-04	520	6.06E-04	587	8.41E-04	654	7.95E-04	721	1.67E-04
387	1.70E-06	454	8.28E-04	521	6.06E-04	588	8.47E-04	655	7.86E-04	722	1.61E-04
388	1.90E-06	455	8.73E-04	522	6.07E-04	589	8.52E-04	656	7.74E-04	723	1.57E-04
389	3.10E-06	456	8.94E-04	523	6.13E-04	590	8.56E-04	657	7.65E-04	724	1.53E-04
390	2.40E-06	457	8.89E-04	524	6.14E-04	591	8.63E-04	658	7.54E-04	725	1.48E-04
391	2.30E-06	458	8.69E-04	525	6.15E-04	592	8.70E-04	659	7.44E-04	726	1.44E-04
392	2.10E-06	459	8.32E-04	526	6.19E-04	593	8.74E-04	660	7.32E-04	727	1.39E-04
393	2.40E-06	460	7.75E-04	527	6.23E-04	594	8.90E-04	661	7.21E-04	728	1.35E-04
394	2.90E-06	461	7.23E-04	528	6.23E-04	595	8.92E-04	662	7.07E-04	729	1.30E-04
395	2.50E-06	462	6.70E-04	529	6.26E-04	596	8.97E-04	663	6.97E-04	730	1.27E-04
396	2.80E-06	463	6.23E-04	530	6.33E-04	597	9.05E-04	664	6.84E-04	731	1.22E-04
397	2.40E-06	464	5.88E-04	531	6.34E-04	598	9.07E-04	665	6.72E-04	732	1.19E-04
398	3.20E-06	465	5.68E-04	532	6.38E-04	599	9.16E-04	666	6.59E-04	733	1.15E-04
399	2.90E-06	466	5.51E-04	533	6.41E-04	600	9.23E-04	667	6.49E-04	734	1.12E-04
400	3.70E-06	467	5.45E-04	534	6.43E-04	601	9.24E-04	668	6.38E-04	735	1.08E-04
401	3.60E-06	468	5.43E-04	535	6.44E-04	602	9.34E-04	669	6.23E-04	736	1.05E-04
402	4.10E-06	469	5.40E-04	536	6.50E-04	603	9.39E-04	670	6.13E-04	737	1.02E-04
403	4.30E-06	470	5.40E-04	537	6.55E-04	604	9.47E-04	671	6.00E-04	738	9.89E-05
404	4.70E-06	471	5.23E-04	538	6.57E-04	605	9.50E-04	672	5.88E-04	739	9.48E-05
405	4.80E-06	472	5.12E-04	539	6.65E-04	606	9.56E-04	673	5.76E-04	740	9.20E-05
406	4.90E-06	473	5.03E-04	540	6.68E-04	607	9.62E-04	674	5.64E-04	741	8.91E-05
407	5.50E-06	474	4.86E-04	541	6.72E-04	608	9.61E-04	675	5.54E-04	742	8.64E-05
408	6.30E-06	475	4.72E-04	542	6.77E-04	609	9.72E-04	676	5.40E-04	743	8.44E-05
409	6.70E-06	476	4.51E-04	543	6.80E-04	610	9.73E-04	677	5.29E-04	744	8.16E-05
410	7.40E-06	477	4.37E-04	544	6.84E-04	611	9.78E-04	678	5.19E-04	745	7.82E-05
411	8.50E-06	478	4.19E-04	545	6.86E-04	612	9.81E-04	679	5.08E-04	746	7.66E-05
412	9.00E-06	479	4.11E-04	546	6.89E-04	613	9.88E-04	680	4.97E-04	747	7.39E-05
413	1.02E-05	480	4.04E-04	547	6.92E-04	614	9.92E-04	681	4.85E-04	748	7.20E-05
414	1.16E-05	481	4.00E-04	548	6.96E-04	615	9.91E-04	682	4.73E-04	749	6.98E-05
415	1.24E-05	482	4.02E-04	549	7.01E-04	616	9.92E-04	683	4.63E-04	750	6.71E-05
416	1.43E-05	483	4.07E-04	550	7.03E-04	617	9.94E-04	684	4.53E-04	751	6.47E-05
417	1.58E-05	484	4.12E-04	551	7.09E-04	618	9.95E-04	685	4.42E-04	752	6.34E-05
418	1.76E-05	485	4.22E-04	552	7.10E-04	619	9.95E-04	686	4.32E-04	753	6.11E-05
419	1.99E-05	486	4.29E-04	553	7.16E-04	620	9.94E-04	687	4.21E-04	754	5.96E-05
420	2.23E-05	487	4.38E-04	554	7.18E-04	621	9.96E-04	688	4.11E-04	755	5.74E-05
421	2.46E-05	488	4.48E-04	555	7.22E-04	622	1.00E-03	689	4.00E-04	756	5.57E-05
422	2.73E-05	489	4.56E-04	556	7.24E-04	623	9.99E-04	690	3.91E-04	757	5.35E-05
423	3.08E-05	490	4.62E-04	557	7.27E-04	624	9.96E-04	691	3.81E-04	758	5.21E-05
424	3.48E-05	491	4.68E-04	558	7.31E-04	625	9.97E-04	692	3.72E-04	759	5.08E-05
425	3.79E-05	492	4.74E-04	559	7.34E-04	626	9.94E-04	693	3.63E-04	760	4.87E-05
426	4.30E-05	493	4.78E-04	560	7.37E-04	627	9.94E-04	694	3.54E-04	761	4.72E-05
427	4.85E-05	494	4.85E-04	561	7.37E-04	628	9.90E-04	695	3.46E-04	762	4.57E-05
428	5.41E-05	495	4.91E-04	562	7.41E-04	629	9.87E-04	696	3.37E-04	763	4.44E-05
429	6.07E-05	496	4.96E-04	563	7.45E-04	630	9.82E-04	697	3.27E-04	764	4.33E-05
430	6.72E-05	497	5.01E-04	564	7.47E-04	631	9.77E-04	698	3.20E-04	765	4.18E-05
431	7.40E-05	498	5.10E-04	565	7.51E-04	632	9.76E-04	699	3.13E-04	766	4.00E-05
432	8.20E-05	499	5.16E-04	566	7.54E-04	633	9.72E-04	700	3.04E-04	767	3.93E-05
433	8.97E-05	500	5.22E-04	567	7.56E-04	634	9.67E-04	701	2.95E-04	768	3.80E-05
434	9.93E-05	501	5.32E-04	568	7.63E-04	635	9.61E-04	702	2.87E-04	769	3.66E-05
435	1.09E-04	502	5.39E-04	569	7.68E-04	636	9.56E-04	703	2.80E-04	770	3.55E-05
436	1.22E-04	503	5.44E-04	570	7.67E-04	637	9.49E-04	704	2.71E-04	771	3.42E-05
437	1.36E-04	504	5.52E-04	571	7.73E-04	638	9.41E-04	705	2.65E-04	772	3.34E-05
438	1.51E-04	505	5.60E-04	572	7.75E-04	639	9.33E-04	706	2.58E-04	773	3.28E-05
439	1.69E-04	506	5.62E-04	573	7.77E-04	640	9.27E-04	707	2.50E-04	774	3.11E-05
440	1.87E-04	507	5.69E-04	574	7.82E-04	641	9.17E-04	708	2.43E-04	775	3.01E-05
441	2.07E-04	508	5.74E-04	575	7.86E-04	642	9.09E-04	709	2.36E-04	776	2.95E-05
442	2.27E-04	509	5.76E-04	576	7.89E-04	643	9.01E-04	710	2.29E-04	777	2.88E-05
443	2.56E-04	510	5.81E-04	577	7.93E-04	644	8.94E-04	711	2.24E-04	778	2.74E-05
444	2.84E-04	511	5.83E-04	578	7.94E-04	645	8.85E-04	712	2.18E-04	779	2.73E-05
445	3.16E-04	512	5.84E-04	579	7.99E-04	646	8.77E-04	713	2.11E-04	780	2.74E-05
446	3.52E-04	513	5.85E-04	580	8.03E-04	647	8.66E-04	714	2.04E-04	N/A	N/A

4.0 LM-79 Measurement and Test Results

4.2 Goniophotometer Test

Model No.	PIVOTM24DB @6W3500K	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	0.051	5.8	0.945
NON-WORST CASE	N/A	N/A	N/A	N/A	N/A

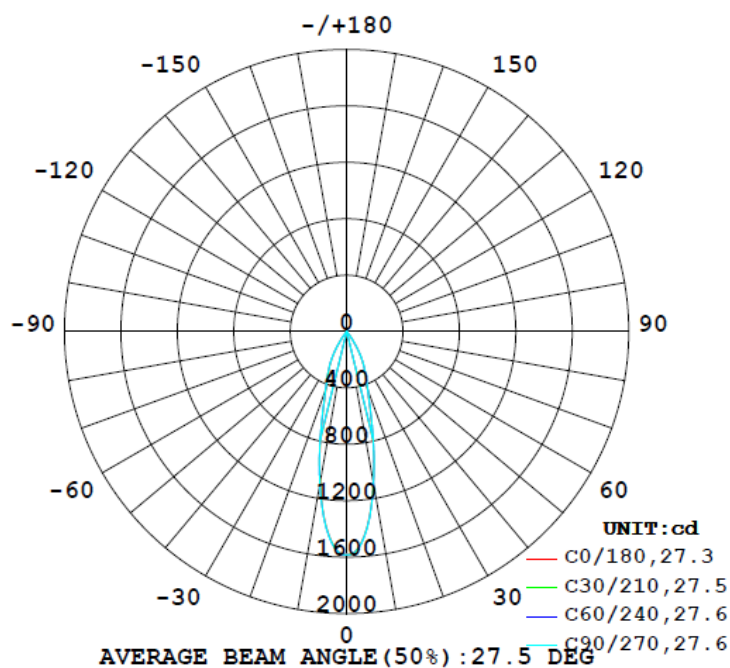
Test Result

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°)
526	62.6	63.3	27.4	27.7	90.7	100.0%

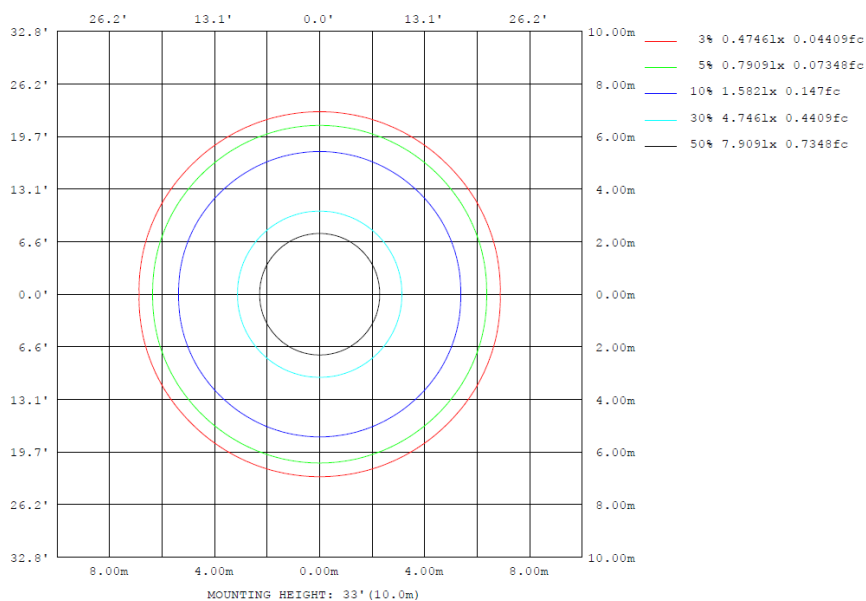
4.2 Goniophotometer Test

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	1091	1097	1100	1097	1091	1097	1100	1097	0- 10	127.1	127.1	24.2, 24.2
20	430.2	438.2	438.4	438.2	430.2	438.2	438.4	438.2	10- 20	194.9	322.0	61.2, 61.2
30	190.6	196.3	198.4	196.3	190.6	196.3	198.4	196.3	20- 30	140.0	462.0	87.8, 87.8
40	13.37	13.86	13.70	13.86	13.37	13.86	13.70	13.86	30- 40	51.60	513.6	97.6, 97.6
50	6.184	6.294	6.216	6.294	6.184	6.294	6.216	6.294	40- 50	6.522	520.1	98.9, 98.9
60	2.873	3.037	3.079	3.037	2.873	3.037	3.079	3.037	50- 60	4.343	524.4	99.7, 99.7
70	0.4894	0.5556	0.5527	0.5556	0.4894	0.5556	0.5527	0.5556	60- 70	1.503	525.9	100, 100
80	0.0155	0.0152	0.0152	0.0152	0.0155	0.0152	0.0152	0.0152	70- 80	0.1009	526.0	100, 100
90	0	0	0	0	0	0	0	0	80- 90	0.0086	526.0	100, 100
100	0	0	0	0	0	0	0	0	90-100	0	526.0	100, 100
110	0	0	0	0	0	0	0	0	100-110	0	526.0	100, 100
120	0	0	0	0	0	0	0	0	110-120	0	526.0	100, 100
130	0	0	0	0	0	0	0	0	120-130	0	526.0	100, 100
140	0	0	0	0	0	0	0	0	130-140	0	526.0	100, 100
150	0	0	0	0	0	0	0	0	140-150	0	526.0	100, 100
160	0	0	0	0	0	0	0	0	150-160	0	526.0	100, 100
170	0	0	0	0	0	0	0	0	160-170	0	526.0	100, 100
180	0	0	0	0	0	0	0	0	170-180	0	526.0	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Zonal (lm)		Total (lm)		Percent
0-10	127.09	0-10	127.09	24.16%
10-20	194.89	0-20	321.98	61.21%
20-30	139.98	0-30	461.96	87.82%
30-40	51.60	0-40	513.56	97.63%
40-50	6.52	0-50	520.08	98.87%
50-60	4.34	0-60	524.42	99.69%
60-70	1.50	0-70	525.92	99.98%
70-80	0.10	0-80	526.02	100.00%
80-90	0.01	0-90	526.03	100.00%
90-100	0.00	0-100	526.03	100.00%
100-110	0.00	0-110	526.03	100.00%
110-120	0.00	0-120	526.03	100.00%
120-130	0.00	0-130	526.03	100.00%
130-140	0.00	0-140	526.03	100.00%
140-150	0.00	0-150	526.03	100.00%
150-160	0.00	0-160	526.03	100.00%
160-170	0.00	0-170	526.03	100.00%
170-180	0.00	0-180	526.03	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	1582	1582	1582	1583	1583	1583	1583	1583	1583	1582	1582	1582	1582	1582	1583	1583	1583	1583	1583
5	1449	1451	1454	1456	1456	1457	1457	1457	1456	1456	1454	1451	1449	1451	1454	1456	1456	1457	1457
10	1091	1092	1095	1097	1099	1099	1100	1099	1099	1097	1095	1092	1091	1092	1095	1097	1099	1099	1100
15	693	697	698	701	704	705	704	705	704	701	698	697	693	697	698	701	704	705	704
20	430	434	437	438	439	439	438	439	439	438	437	434	430	434	437	438	439	439	438
25	303	306	307	307	307	307	307	307	307	307	306	303	306	307	307	307	307	307	307
30	191	194	196	196	197	198	198	198	197	196	196	194	191	194	196	196	197	198	198
35	74.6	78.3	79.9	79.5	80.1	80.6	80.5	80.6	80.1	79.5	79.9	78.3	74.6	78.3	79.9	79.5	80.1	80.6	80.5
40	13.4	13.8	14.0	13.9	13.7	13.7	13.7	13.7	13.7	13.9	14.0	13.8	13.4	13.8	14.0	13.9	13.7	13.7	13.7
45	7.69	7.94	8.00	7.80	7.75	7.75	7.69	7.75	7.75	7.80	8.00	7.94	7.69	7.94	8.00	7.80	7.75	7.75	7.69
50	6.18	6.39	6.42	6.29	6.21	6.24	6.22	6.24	6.21	6.29	6.42	6.39	6.18	6.39	6.42	6.29	6.21	6.24	6.22
55	4.85	5.00	5.02	4.97	4.98	4.98	4.99	4.98	4.98	4.97	5.02	5.00	4.85	5.00	5.02	4.97	4.98	4.98	4.99
60	2.87	2.98	3.04	3.04	3.08	3.09	3.08	3.09	3.08	3.04	3.04	2.98	2.87	2.98	3.04	3.04	3.08	3.09	3.08
65	1.26	1.35	1.40	1.41	1.43	1.38	1.43	1.43	1.41	1.40	1.35	1.26	1.35	1.40	1.41	1.43	1.43	1.38	1.38
70	0.49	0.54	0.56	0.56	0.53	0.53	0.55	0.53	0.53	0.56	0.56	0.54	0.49	0.54	0.56	0.56	0.53	0.53	0.55
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	0.01	0.01	0.02	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	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	1583	1583	1583	1582	1582														
5	1457	1456	1456	1454	1451														
10	1099	1099	1097	1095	1092														
15	705	704	701	698	697														
20	439	439	438	437	434														
25	307	307	307	307	306														
30	198	197	196	196	194														
35	80.6	80.1	79.5	79.9	78.3														
40	13.7	13.7	13.9	14.0	13.8														
45	7.75	7.75	7.80	8.00	7.94														
50	6.24	6.21	6.29	6.42	6.39														
55	4.98	4.98	4.97	5.02	5.00														
60	3.09	3.08	3.04	3.04	2.98														
65	1.43	1.43	1.41	1.40	1.35														
70	0.53	0.53	0.56	0.56	0.54														
75	0.03	0.03	0.03	0.03	0.03														
80	0.01	0.01	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 @6W3500K	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	0.051	5.8	0.945	14.27

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*****