

Photometric Test Report

Relevant Standards

- ☒ ANSI/IES LM-79-19
- ☒ ANSI C82.77-2020

Prepared For

RAB Lighting Inc.

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Date: 2025-12-10

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Issue Date: 2025-12-10

Revised Date: N/A

1.0 Test Summary

DLC Technical Requirements V6.0

Track or Mono-Point Luminaires				
Requirement Category	Test Method	Requirements		Test Value
Luminaire Output (lm) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	≥250lm		890
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Standard	Premium	89.9
		95	110	
Power (Input Wattage) (W) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Worst Case		9.9
Total Harmonic Distortion (A%) (THD & PF – Section 4.3)	ANSI C82.77:2002 ANSI C82-77-10:2020	20.00%	120V	12.33
Power Factor (THD & PF – Section 4.3)	ANSI C82.77:2002 ANSI C82-77-10:2020	0.9	120V	0.976
Allowable CCTs* (K) (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19	7 steps	5029±283	4954
		4 steps	5029±220	
Chromaticity (D _{uv}) (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19	7 steps	0.0020±0.0060	0.0036
		4 steps	0.0020±0.0033	
Minimum CRI (Integrating Sphere – Section 4.1)	ANSI/IES LM-79 19 CIE13.3-1995	≥80		92.6
Minimum R9 (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19 CIE13.3-1995	≥0		64
Minimum Rf (Integrating Sphere – Section 4.1)	ANSI/IES TM-30-24	≥70		91
Minimum Rg (Integrating Sphere – Section 4.1)	ANSI/IES TM-30-24	≥89		97
IES Rcs,h1 (Integrating Sphere – Section 4.1)	ANSI/IES TM-30-24	-12%≤IES Rcs,h1≤+23%		-5%
Zonal Lumen Requirement (0°-90°) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	≥ 85%		100.0%
Input Voltage (V)				
(Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Worst Cast		120.0
(Goniophotometer – Section 4.2)		Non-Worst Case		N/A
Input Current (A)				
(Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Worst Case		0.085
(Goniophotometer – Section 4.2)		Non-Worst Case		N/A
Power (Input Wattage – W)				
(Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Worst Case		9.9
(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	2025-12-08	PIVOTMB @10W5000K	-	250903027-S1
2	Goniophotometer Test	2025-12-08	PIVOTMB @10W5000K	-	250903027-S1
3	THD and PF Test	2025-12-08	PIVOTMB @10W5000K	-	250903027-S1

Remark (If any):

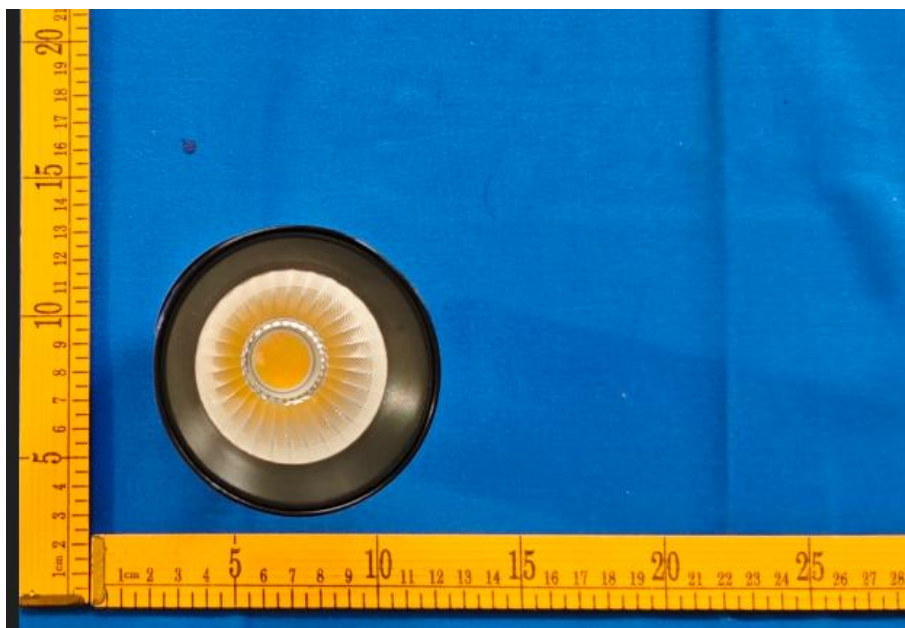
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3. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the U.S. Government.

3.0 Product Description

Luminaire Description: Model No. PIVOTMB @10W5000K, 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.	PIVOTMB @10W5000K	Sample ID	250903027-S1
Operate time (Min.)	10	Stabilization time (Min.)	60
Temperature (°C)	25.4	Humidity (%RH)	41.0

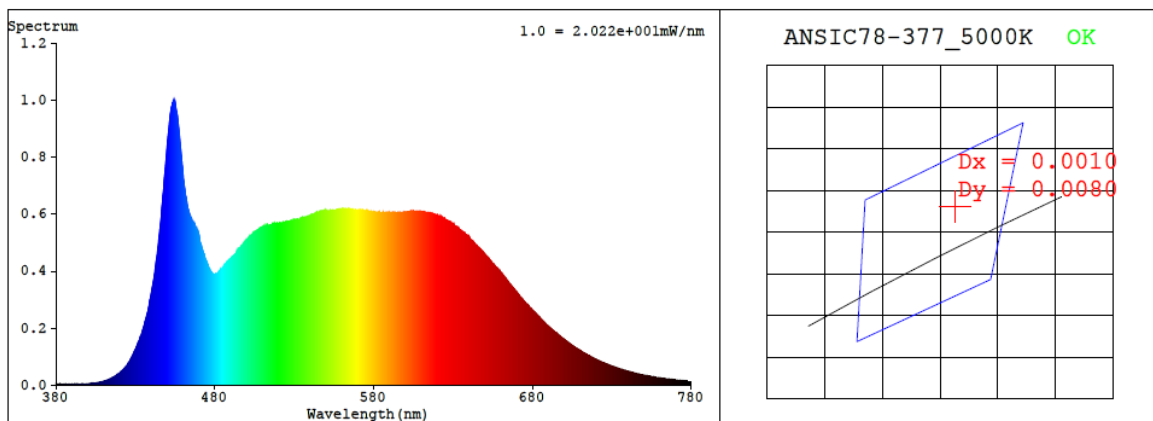
Test Method
<p>The Samples were tested according to the ANSI/IES LM-79:2019.</p> <p>Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at $25\pm1^{\circ}\text{C}$.</p> <p>The sample measurements 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	0.085	9.9	0.976

CCT (K)	CRI	R9	Duv	SDCM	Rf	Rg	IES Rcs,h1
4954	92.6	64	0.0036	2.3	91	97	-5%

4.1 Integrating Sphere Test



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3474$ $y = 0.3607$ / $u' = 0.2095$ $v' = 0.4894$ ($duv=3.58e-03$)

CCT= 4954K Prcp WL: $L_d=570.3nm$ Purity=12.5%

Peak WL: $L_p=455nm$ FWHM: $=26.5nm$ Ratio: $R=17.1\%$ $G=77.3\%$ $B=5.6\%$

Render Index: $R_a = 92.6$ $AvgR = 89.2$ $TM30:R_f=92$ $R_g=98$

EEL: 0.14588 A+

$R_1 = 93$ $R_2 = 97$ $R_3 = 98$ $R_4 = 90$ $R_5 = 91$ $R_6 = 94$ $R_7 = 93$

$R_8 = 85$ $R_9 = 64$ $R_{10} = 92$ $R_{11} = 91$ $R_{12} = 69$ $R_{13} = 94$ $R_{14} = 99$ $R_{15} = 89$

4.1 Integrating Sphere Test

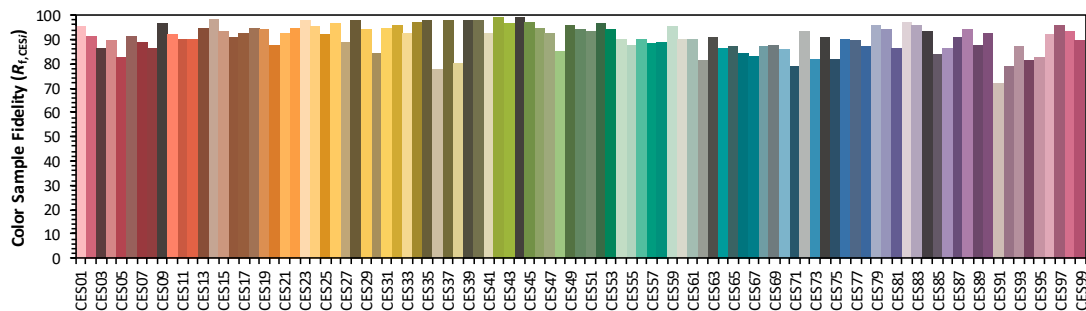
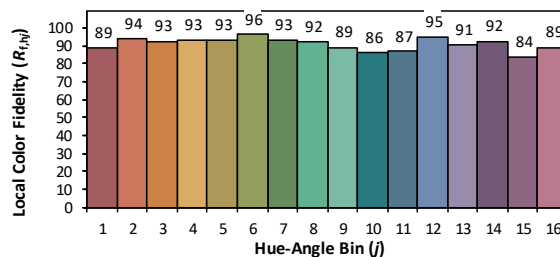
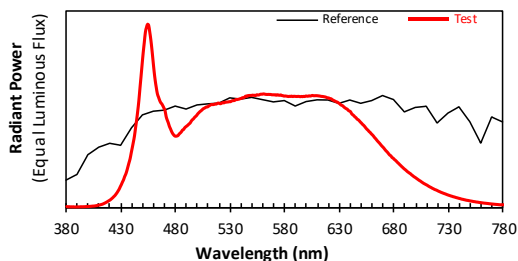
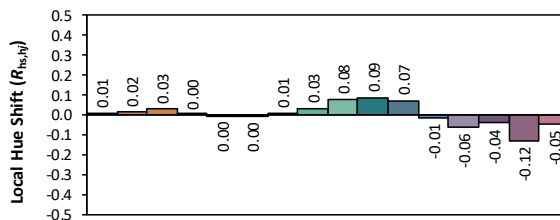
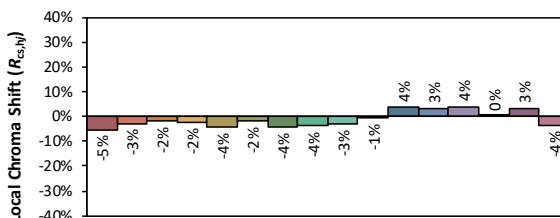
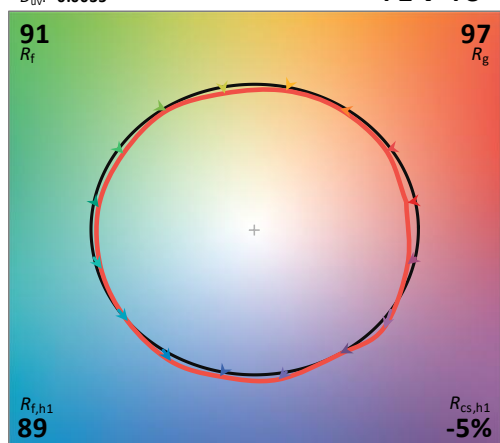
ANSI/IES TM-30-24 Color Rendition Report

Source: BXRV-TR-2750G-20A0-A-2x
Date: 2025/12/10
Notes: N/A

Make: RAB Lighting Inc.
Model: PIVOTMB @10W5000K
Other: N/A

CCT: 4947 K
 D_{uv} : 0.0035

P2 V- F3



TM-30 Advanced Calculator Version 2.04

Created 2025/12/10

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	5.30E-03	447	6.48E-01	514	5.61E-01	581	6.07E-01	648	4.73E-01	715	1.05E-01
381	3.90E-03	448	7.13E-01	515	5.62E-01	582	6.06E-01	649	4.66E-01	716	1.02E-01
382	4.40E-03	449	7.80E-01	516	5.64E-01	583	6.05E-01	650	4.60E-01	717	9.84E-02
383	3.50E-03	450	8.44E-01	517	5.64E-01	584	6.06E-01	651	4.53E-01	718	9.63E-02
384	3.80E-03	451	8.99E-01	518	5.67E-01	585	6.05E-01	652	4.48E-01	719	9.38E-02
385	3.20E-03	452	9.55E-01	519	5.69E-01	586	6.07E-01	653	4.41E-01	720	9.07E-02
386	3.90E-03	453	9.81E-01	520	5.67E-01	587	6.04E-01	654	4.33E-01	721	8.78E-02
387	2.80E-03	454	9.99E-01	521	5.66E-01	588	6.06E-01	655	4.26E-01	722	8.54E-02
388	3.30E-03	455	9.93E-01	522	5.69E-01	589	6.06E-01	656	4.21E-01	723	8.24E-02
389	2.90E-03	456	9.56E-01	523	5.71E-01	590	6.05E-01	657	4.14E-01	724	8.02E-02
390	3.70E-03	457	9.14E-01	524	5.70E-01	591	6.05E-01	658	4.09E-01	725	7.79E-02
391	3.20E-03	458	8.60E-01	525	5.74E-01	592	6.06E-01	659	4.02E-01	726	7.56E-02
392	3.70E-03	459	8.01E-01	526	5.74E-01	593	6.05E-01	660	3.96E-01	727	7.36E-02
393	4.10E-03	460	7.42E-01	527	5.75E-01	594	6.04E-01	661	3.89E-01	728	7.10E-02
394	3.80E-03	461	6.92E-01	528	5.75E-01	595	6.05E-01	662	3.81E-01	729	6.88E-02
395	4.10E-03	462	6.53E-01	529	5.77E-01	596	6.04E-01	663	3.75E-01	730	6.67E-02
396	4.10E-03	463	6.19E-01	530	5.77E-01	597	6.06E-01	664	3.67E-01	731	6.47E-02
397	4.70E-03	464	6.02E-01	531	5.80E-01	598	6.05E-01	665	3.60E-01	732	6.27E-02
398	5.00E-03	465	5.85E-01	532	5.82E-01	599	6.07E-01	666	3.54E-01	733	6.10E-02
399	5.30E-03	466	5.72E-01	533	5.83E-01	600	6.07E-01	667	3.47E-01	734	5.89E-02
400	5.60E-03	467	5.65E-01	534	5.84E-01	601	6.07E-01	668	3.40E-01	735	5.74E-02
401	6.00E-03	468	5.54E-01	535	5.89E-01	602	6.08E-01	669	3.33E-01	736	5.56E-02
402	6.50E-03	469	5.42E-01	536	5.88E-01	603	6.07E-01	670	3.27E-01	737	5.36E-02
403	7.10E-03	470	5.28E-01	537	5.90E-01	604	6.09E-01	671	3.20E-01	738	5.23E-02
404	7.70E-03	471	4.96E-01	538	5.91E-01	605	6.11E-01	672	3.12E-01	739	5.04E-02
405	7.90E-03	472	4.77E-01	539	5.93E-01	606	6.09E-01	673	3.06E-01	740	4.91E-02
406	9.00E-03	473	4.62E-01	540	5.95E-01	607	6.09E-01	674	3.00E-01	741	4.71E-02
407	9.90E-03	474	4.42E-01	541	5.99E-01	608	6.09E-01	675	2.92E-01	742	4.54E-02
408	1.12E-02	475	4.29E-01	542	5.99E-01	609	6.09E-01	676	2.85E-01	743	4.43E-02
409	1.27E-02	476	4.14E-01	543	6.02E-01	610	6.09E-01	677	2.81E-01	744	4.27E-02
410	1.37E-02	477	4.03E-01	544	6.07E-01	611	6.08E-01	678	2.72E-01	745	4.14E-02
411	1.53E-02	478	3.95E-01	545	6.06E-01	612	6.07E-01	679	2.69E-01	746	3.99E-02
412	1.68E-02	479	3.90E-01	546	6.10E-01	613	6.06E-01	680	2.63E-01	747	3.89E-02
413	1.89E-02	480	3.89E-01	547	6.10E-01	614	6.05E-01	681	2.58E-01	748	3.80E-02
414	2.17E-02	481	3.90E-01	548	6.11E-01	615	6.04E-01	682	2.52E-01	749	3.65E-02
415	2.46E-02	482	3.93E-01	549	6.10E-01	616	6.03E-01	683	2.46E-01	750	3.54E-02
416	2.77E-02	483	4.01E-01	550	6.12E-01	617	6.02E-01	684	2.40E-01	751	3.45E-02
417	3.11E-02	484	4.06E-01	551	6.11E-01	618	6.00E-01	685	2.34E-01	752	3.33E-02
418	3.50E-02	485	4.13E-01	552	6.12E-01	619	5.97E-01	686	2.28E-01	753	3.22E-02
419	3.85E-02	486	4.22E-01	553	6.10E-01	620	5.97E-01	687	2.22E-01	754	3.15E-02
420	4.25E-02	487	4.25E-01	554	6.14E-01	621	5.93E-01	688	2.17E-01	755	3.01E-02
421	4.76E-02	488	4.34E-01	555	6.13E-01	622	5.93E-01	689	2.11E-01	756	2.95E-02
422	5.27E-02	489	4.40E-01	556	6.13E-01	623	5.89E-01	690	2.07E-01	757	2.86E-02
423	5.89E-02	490	4.44E-01	557	6.16E-01	624	5.85E-01	691	2.02E-01	758	2.75E-02
424	6.46E-02	491	4.49E-01	558	6.18E-01	625	5.82E-01	692	1.96E-01	759	2.68E-02
425	7.23E-02	492	4.55E-01	559	6.17E-01	626	5.79E-01	693	1.92E-01	760	2.58E-02
426	8.05E-02	493	4.60E-01	560	6.19E-01	627	5.76E-01	694	1.87E-01	761	2.50E-02
427	9.02E-02	494	4.70E-01	561	6.18E-01	628	5.74E-01	695	1.83E-01	762	2.41E-02
428	1.00E-01	495	4.78E-01	562	6.17E-01	629	5.69E-01	696	1.78E-01	763	2.35E-02
429	1.13E-01	496	4.83E-01	563	6.16E-01	630	5.66E-01	697	1.73E-01	764	2.29E-02
430	1.25E-01	497	4.91E-01	564	6.16E-01	631	5.60E-01	698	1.68E-01	765	2.22E-02
431	1.39E-01	498	4.96E-01	565	6.16E-01	632	5.57E-01	699	1.65E-01	766	2.17E-02
432	1.51E-01	499	5.02E-01	566	6.16E-01	633	5.53E-01	700	1.60E-01	767	2.07E-02
433	1.68E-01	500	5.10E-01	567	6.16E-01	634	5.47E-01	701	1.56E-01	768	2.01E-02
434	1.82E-01	501	5.16E-01	568	6.14E-01	635	5.43E-01	702	1.52E-01	769	1.93E-02
435	2.00E-01	502	5.22E-01	569	6.15E-01	636	5.39E-01	703	1.47E-01	770	1.88E-02
436	2.22E-01	503	5.27E-01	570	6.14E-01	637	5.36E-01	704	1.44E-01	771	1.82E-02
437	2.44E-01	504	5.32E-01	571	6.14E-01	638	5.29E-01	705	1.40E-01	772	1.76E-02
438	2.66E-01	505	5.38E-01	572	6.12E-01	639	5.26E-01	706	1.36E-01	773	1.70E-02
439	2.97E-01	506	5.41E-01	573	6.15E-01	640	5.22E-01	707	1.32E-01	774	1.65E-02
440	3.26E-01	507	5.45E-01	574	6.13E-01	641	5.11E-01	708	1.28E-01	775	1.61E-02
441	3.57E-01	508	5.48E-01	575	6.12E-01	642	5.06E-01	709	1.25E-01	776	1.53E-02
442	3.90E-01	509	5.48E-01	576	6.14E-01	643	5.01E-01	710	1.22E-01	777	1.49E-02
443	4.35E-01	510	5.53E-01	577	6.10E-01	644	4.94E-01	711	1.18E-01	778	1.47E-02
444	4.78E-01	511	5.56E-01	578	6.10E-01	645	4.89E-01	712	1.14E-01	779	1.47E-02
445	5.26E-01	512	5.60E-01	579	6.07E-01	646	4.82E-01	713	1.11E-01	780	1.47E-02
446	5.81E-01	513	5.61E-01	580	6.08E-01	647	4.78E-01	714	1.08E-01	N/A	N/A

4.0 LM-79 Measurement and Test Results

4.2 Goniophotometer Test

Model No.	PIVOTMB @10W5000K	Sample ID	250903027-S1
Operate time (Min.)	30	Stabilization time (Min.)	60
Temperature (°C)	25.0	Humidity (%RH)	42.1

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 $25\pm1^{\circ}\text{C}$, 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	0.085	9.9	0.976
NON-WORST CASE	N/A	N/A	N/A	N/A	N/A

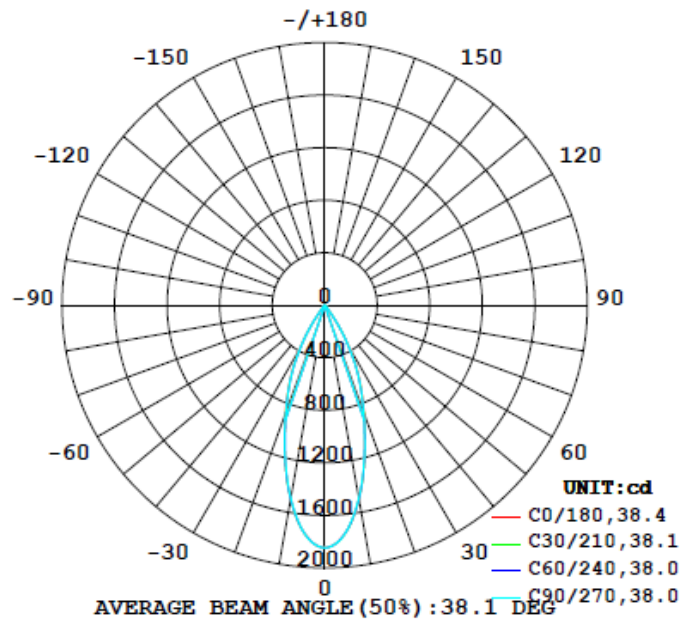
Test Result

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°)
890	68.7	68.0	38.4	38.0	89.9	100.0%

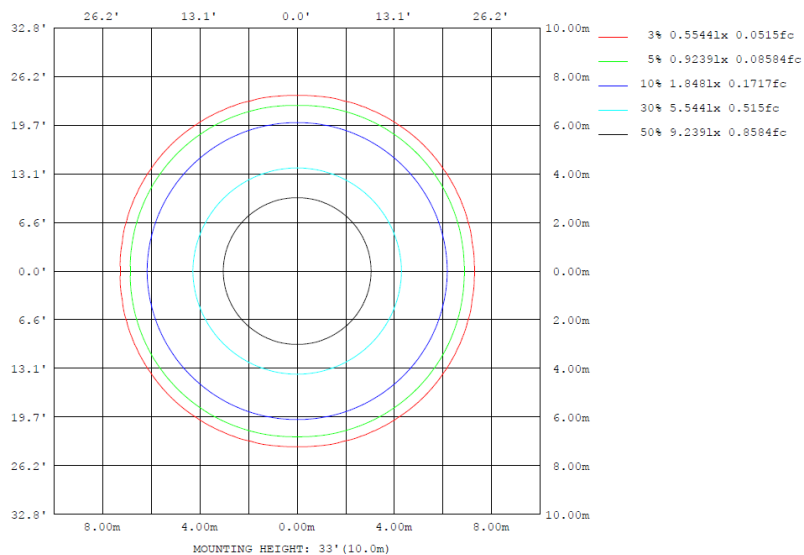
4.2 Goniophotometer Test

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	Φ zone	Φ total	Φ lum, lamp
10	1497	1501	1492	1501	1497	1501	1492	1501	0- 10	158.8	158.8	17.8,17.8
20	878.4	870.4	867.1	870.4	878.4	870.4	867.1	870.4	10- 20	324.4	483.1	54.3,54.3
30	387.1	368.7	369.1	368.7	387.1	368.7	369.1	368.7	20- 30	279.3	762.4	85.7,85.7
40	37.06	37.27	36.28	37.27	37.06	37.27	36.28	37.27	30- 40	100.5	862.9	97,97
50	14.08	14.50	14.08	14.50	14.08	14.50	14.08	14.50	40- 50	15.81	878.7	98.7,98.7
60	5.238	5.210	4.991	5.210	5.238	5.210	4.991	5.210	50- 60	8.537	887.3	99.7,99.7
70	0.7144	0.7188	0.7417	0.7188	0.7144	0.7188	0.7417	0.7188	60- 70	2.559	889.8	100,100
80	0.0520	0.0474	0.0420	0.0474	0.0520	0.0474	0.0420	0.0474	70- 80	0.1581	890.0	100,100
90	0	0	0	0	0	0	0	0	80- 90	0.0213	890.0	100,100
100	0	0	0	0	0	0	0	0	90-100	0	890.0	100,100
110	0	0	0	0	0	0	0	0	100-110	0	890.0	100,100
120	0	0	0	0	0	0	0	0	110-120	0	890.0	100,100
130	0	0	0	0	0	0	0	0	120-130	0	890.0	100,100
140	0	0	0	0	0	0	0	0	130-140	0	890.0	100,100
150	0	0	0	0	0	0	0	0	140-150	0	890.0	100,100
160	0	0	0	0	0	0	0	0	150-160	0	890.0	100,100
170	0	0	0	0	0	0	0	0	160-170	0	890.0	100,100
180	0	0	0	0	0	0	0	0	170-180	0	890.0	100,100
DEG	LUMINOUS INTENSITY: cd									UNIT: lm		

	Zonal (lm)		Total (lm)	Percent
0-10	158.76	0-10	158.76	17.84%
10-20	324.37	0-20	483.13	54.28%
20-30	279.30	0-30	762.43	85.66%
30-40	100.50	0-40	862.93	96.96%
40-50	15.81	0-50	878.74	98.73%
50-60	8.54	0-60	887.28	99.69%
60-70	2.56	0-70	889.84	99.98%
70-80	0.16	0-80	890.00	100.00%
80-90	0.02	0-90	890.02	100.00%
90-100	0.00	0-100	890.02	100.00%
100-110	0.00	0-110	890.02	100.00%
110-120	0.00	0-120	890.02	100.00%
120-130	0.00	0-130	890.02	100.00%
130-140	0.00	0-140	890.02	100.00%
140-150	0.00	0-150	890.02	100.00%
150-160	0.00	0-160	890.02	100.00%
160-170	0.00	0-170	890.02	100.00%
170-180	0.00	0-180	890.02	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	1848	1848	1848	1848	1847	1847	1847	1847	1847	1848	1848	1848	1848	1848	1848	1848	1847	1847	1847
5	1747	1748	1750	1749	1748	1748	1748	1748	1749	1750	1748	1747	1748	1750	1749	1748	1748	1748	1748
10	1497	1499	1500	1501	1499	1495	1492	1495	1499	1501	1500	1499	1497	1499	1500	1501	1499	1495	1492
15	1179	1179	1180	1177	1174	1173	1170	1173	1174	1177	1180	1179	1179	1179	1180	1177	1174	1173	1170
20	878	876	873	870	867	867	867	867	870	873	876	878	876	873	870	867	867	867	867
25	630	625	618	615	614	613	613	613	614	615	618	625	630	625	618	615	614	613	613
30	387	380	371	369	368	368	369	368	368	369	371	380	387	380	371	369	368	368	369
35	142	147	151	151	147	139	133	139	147	151	151	147	142	147	151	151	147	139	133
40	37.1	37.5	37.4	37.3	37.0	36.5	36.3	36.5	37.0	37.3	37.4	37.5	37.1	37.5	37.4	37.3	37.0	36.5	36.3
45	18.6	18.8	19.0	19.1	19.1	18.9	18.7	18.9	19.1	19.1	19.0	18.8	18.6	18.8	19.0	19.1	19.1	18.9	18.7
50	14.1	14.3	14.4	14.5	14.3	14.2	14.1	14.2	14.3	14.5	14.4	14.3	14.1	14.3	14.4	14.5	14.3	14.2	14.1
55	9.53	9.65	9.72	9.69	9.49	9.34	9.30	9.34	9.49	9.69	9.72	9.65	9.53	9.65	9.72	9.69	9.49	9.34	9.30
60	5.24	5.28	5.28	5.21	5.13	5.05	4.99	5.05	5.13	5.21	5.28	5.28	5.24	5.28	5.28	5.21	5.13	5.05	4.99
65	2.44	2.47	2.48	2.45	2.41	2.42	2.38	2.42	2.41	2.45	2.48	2.47	2.44	2.47	2.48	2.45	2.41	2.42	2.38
70	0.71	0.72	0.73	0.72	0.69	0.70	0.74	0.70	0.69	0.72	0.73	0.72	0.71	0.72	0.73	0.72	0.69	0.70	0.74
75	0.09	0.09	0.09	0.09	0.08	0.08	0.07	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.07
80	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	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	1847	1847	1848	1848	1848														
5	1748	1748	1749	1750	1748														
10	1495	1499	1501	1500	1499														
15	1173	1174	1177	1180	1179														
20	867	867	870	873	876														
25	613	614	615	618	625														
30	368	368	369	371	380														
35	139	147	151	151	147														
40	36.5	37.0	37.3	37.4	37.5														
45	18.9	19.1	19.1	19.0	18.8														
50	14.2	14.3	14.5	14.4	14.3														
55	9.34	9.49	9.69	9.72	9.65														
60	5.05	5.13	5.21	5.28	5.28														
65	2.42	2.41	2.45	2.48	2.47														
70	0.70	0.69	0.72	0.73	0.72														
75	0.08	0.08	0.09	0.09	0.09														
80	0.04	0.05	0.05	0.05	0.05														
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.	PIVOTMB @10W5000K	Sample ID	250903027-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	0.085	9.9	0.976	12.33

5.0 Equipment List:

Equipment ID	Equipment Name	Last Cal.	Due Cal.
NTC-F01-001	Goniophotometer System	2025-11-06	2026-11-05
NTC-F01-006	2.0 meter Integrating Sphere	2025-11-06	2026-11-05
NTC-F01-012	Standard Lamp	2025-10-27	2026-10-26
NTC-F01-013	Standard Lamp	2025-10-27	2026-10-26
NTC-F01-031	Digital Power Meter	2025-08-04	2026-08-03
NTC-F01-019	Temperature & Humidity Meter	2025-10-23	2026-10-22

*****End of Report*****