

Photometric Test Report

Relevant Standards

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

Prepared For

RAB Lighting Inc.

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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		734
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Standard	Premium	92.9
		95	110	
Power (Input Wattage) (W) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Worst Case		7.9
Total Harmonic Distortion (A%) (THD & PF – Section 4.3)	ANSI C82.77:2002 ANSI C82-77-10:2020	20.00%	120V	12.81
Power Factor (THD & PF – Section 4.3)	ANSI C82.77:2002 ANSI C82-77-10:2020	0.9	120V	0.966
Allowable CCTs* (K) (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19	7 steps	3985±275	4002
		4 steps	3985±154	
Chromaticity (D _{uv}) (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19	7 steps	0.0010±0.0060	-0.0002
		4 steps	0.0010±0.0033	
Minimum CRI (Integrating Sphere – Section 4.1)	ANSI/IES LM-79 19 CIE13.3-1995	≥80		95.3
Minimum R9 (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19 CIE13.3-1995	≥0		76
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%		-3%
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		0.068
(Goniophotometer – Section 4.2)		Non-Worst Case		N/A
Power (Input Wattage – W)				
(Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Worst Case		7.9
(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 @8W4000K	-	250903027-S1
2	Goniophotometer Test	2025-12-08	PIVOTMB @8W4000K	-	250903027-S1
3	THD and PF Test	2025-12-08	PIVOTMB @8W4000K	-	250903027-S1

Remark (If any):

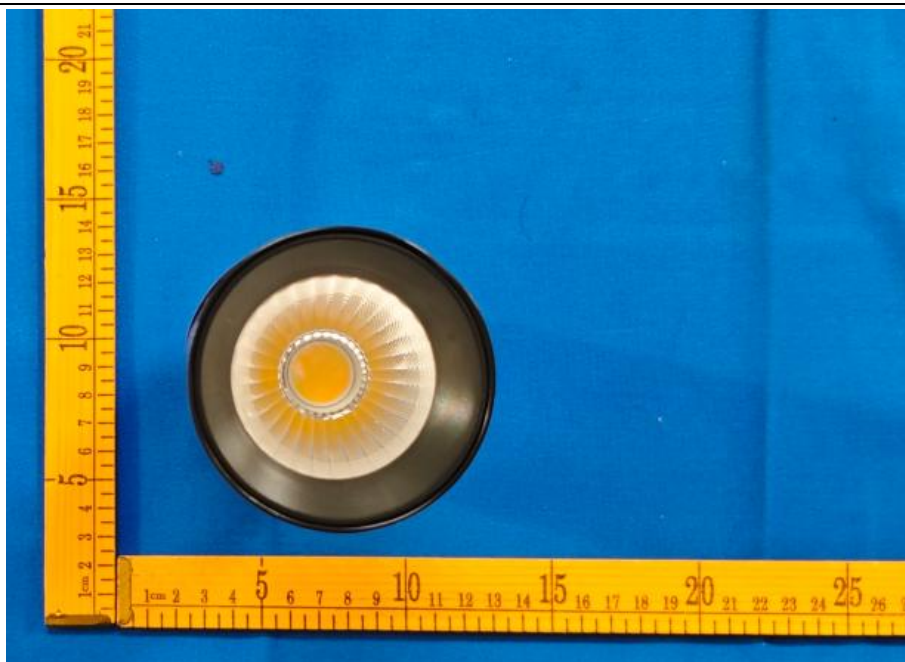
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3. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the U.S. Government.

3.0 Product Description

Luminaire Description: Model No. PIVOTMB @8W4000K, 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 @8W4000K	Sample ID	250903027-S1
Operate time (Min.)	10	Stabilization time (Min.)	60
Temperature (°C)	25.4	Humidity (%RH)	41.0

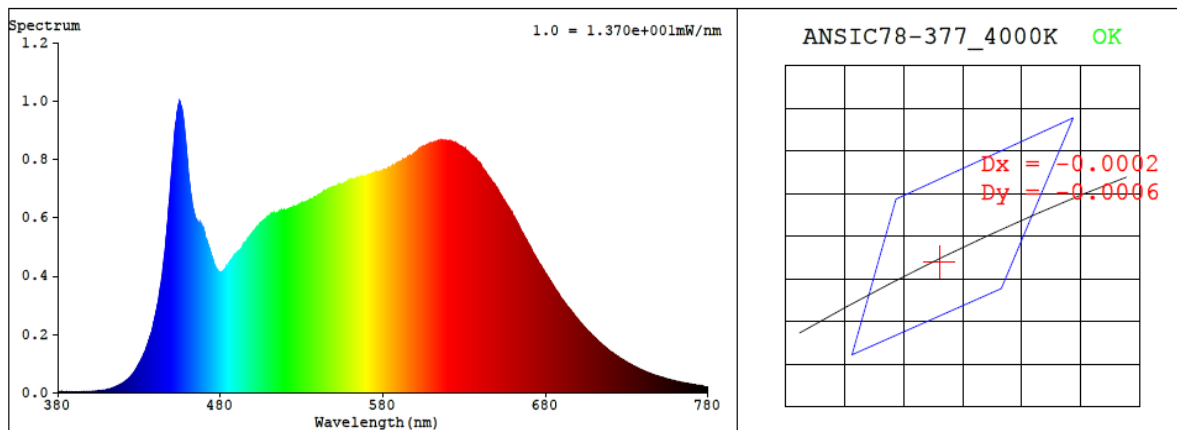
Test Method
<p>The Samples were tested according to the ANSI/IES LM-79:2019.</p> <p>Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at $25\pm1^{\circ}\text{C}$.</p> <p>The sample measurements 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	0.068	7.9	0.966

CCT (K)	CRI	R9	Duv	SDCM	Rf	Rg	IES Rcs,h1
4002	95.3	76	-0.0002	1.4	91	97	-3%

4.1 Integrating Sphere Test



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3802$ $y = 0.3761$ / $u' = 0.2252$ $v' = 0.5013$ ($duv = -2.31e-04$)

CCT= 4002K Prcp WL: $L_d = 579.2nm$ Purity=27.0%

Peak WL: $L_p = 455nm$ FWHM: $= 26.9nm$ Ratio: $R = 20.2\%$ $G = 75.0\%$ $B = 4.8\%$

Render Index: $R_a = 95.3$ AvgR = 93.5 TM30: $R_f = 92$ $R_g = 98$

EEL: 0.13569 A+

R1 =97 R2 =100 R3 =98 R4 =94 R5 =95 R6 =96 R7 =93

R8 =89 R9 =76 R10=98 R11=96 R12=76 R13=98 R14=100 R15=94

4.1 Integrating Sphere Test

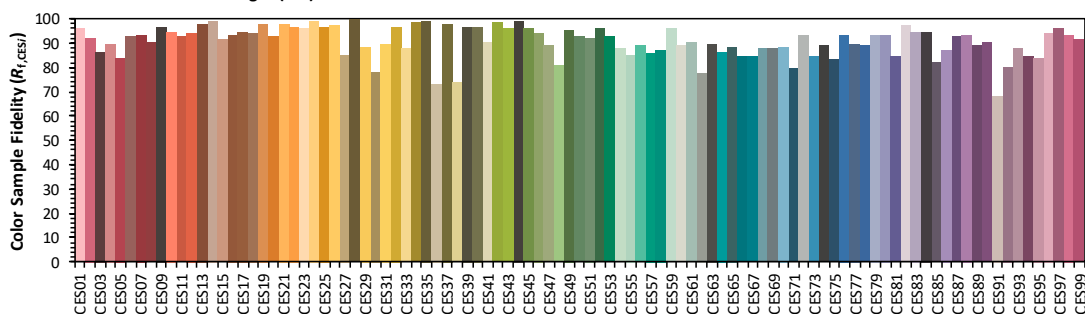
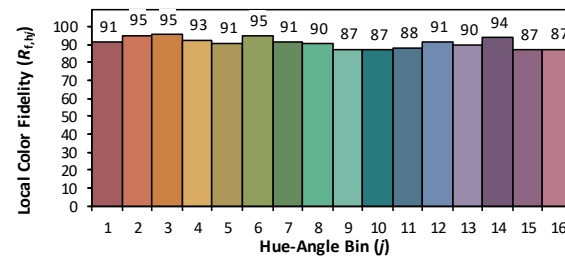
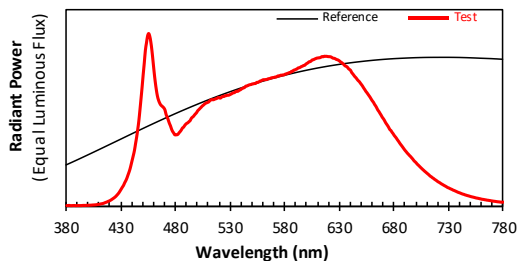
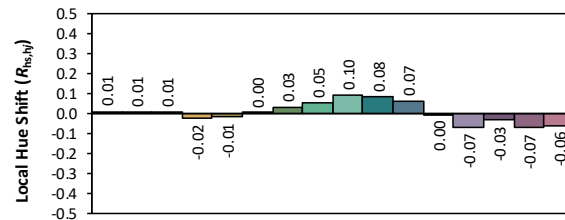
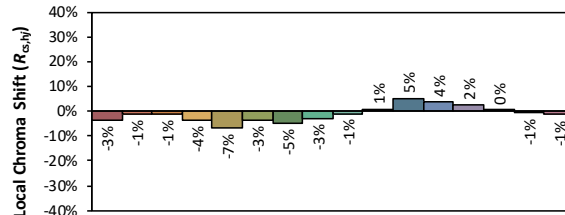
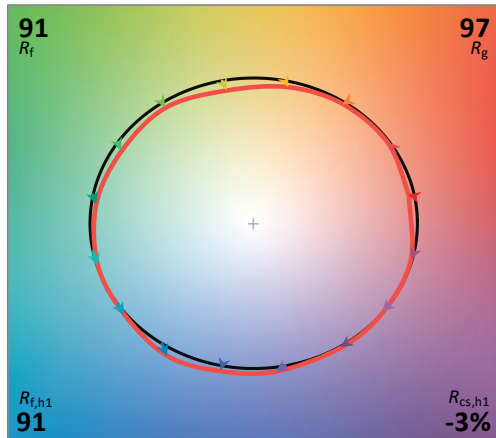
ANSI/IES TM-30-24 Color Rendition Report

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

Make: RAB Lighting Inc.
Model: PIVOTMB @8W4000K
Other: N/A

CCT: 4002 K
 D_{uv} : -0.0003

P2 V- F2



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	3.00E-03	447	5.55E-01	514	6.14E-01	581	7.64E-01	648	7.19E-01	715	1.64E-01
381	2.90E-03	448	6.20E-01	515	6.16E-01	582	7.66E-01	649	7.10E-01	716	1.60E-01
382	3.80E-03	449	6.88E-01	516	6.19E-01	583	7.68E-01	650	7.02E-01	717	1.55E-01
383	2.90E-03	450	7.61E-01	517	6.21E-01	584	7.71E-01	651	6.93E-01	718	1.51E-01
384	2.50E-03	451	8.28E-01	518	6.24E-01	585	7.72E-01	652	6.83E-01	719	1.46E-01
385	2.80E-03	452	9.00E-01	519	6.28E-01	586	7.79E-01	653	6.73E-01	720	1.41E-01
386	3.10E-03	453	9.43E-01	520	6.25E-01	587	7.79E-01	654	6.63E-01	721	1.38E-01
387	3.20E-03	454	9.83E-01	521	6.25E-01	588	7.85E-01	655	6.55E-01	722	1.34E-01
388	2.50E-03	455	9.97E-01	522	6.30E-01	589	7.87E-01	656	6.46E-01	723	1.29E-01
389	2.70E-03	456	9.82E-01	523	6.34E-01	590	7.90E-01	657	6.37E-01	724	1.26E-01
390	3.00E-03	457	9.47E-01	524	6.33E-01	591	7.93E-01	658	6.28E-01	725	1.22E-01
391	2.80E-03	458	8.98E-01	525	6.38E-01	592	7.98E-01	659	6.17E-01	726	1.18E-01
392	2.90E-03	459	8.38E-01	526	6.38E-01	593	7.99E-01	660	6.08E-01	727	1.15E-01
393	2.80E-03	460	7.75E-01	527	6.40E-01	594	8.02E-01	661	5.99E-01	728	1.11E-01
394	3.30E-03	461	7.20E-01	528	6.40E-01	595	8.06E-01	662	5.88E-01	729	1.07E-01
395	3.80E-03	462	6.74E-01	529	6.42E-01	596	8.08E-01	663	5.79E-01	730	1.05E-01
396	3.90E-03	463	6.37E-01	530	6.46E-01	597	8.12E-01	664	5.67E-01	731	1.01E-01
397	3.70E-03	464	6.13E-01	531	6.49E-01	598	8.14E-01	665	5.55E-01	732	9.85E-02
398	4.30E-03	465	5.97E-01	532	6.53E-01	599	8.20E-01	666	5.46E-01	733	9.58E-02
399	4.40E-03	466	5.85E-01	533	6.55E-01	600	8.24E-01	667	5.35E-01	734	9.22E-02
400	4.30E-03	467	5.79E-01	534	6.57E-01	601	8.28E-01	668	5.26E-01	735	8.99E-02
401	5.10E-03	468	5.73E-01	535	6.63E-01	602	8.34E-01	669	5.14E-01	736	8.70E-02
402	5.10E-03	469	5.66E-01	536	6.63E-01	603	8.35E-01	670	5.05E-01	737	8.41E-02
403	5.80E-03	470	5.54E-01	537	6.64E-01	604	8.39E-01	671	4.96E-01	738	8.11E-02
404	6.30E-03	471	5.29E-01	538	6.69E-01	605	8.45E-01	672	4.83E-01	739	7.84E-02
405	6.60E-03	472	5.14E-01	539	6.72E-01	606	8.46E-01	673	4.74E-01	740	7.64E-02
406	7.20E-03	473	4.97E-01	540	6.76E-01	607	8.49E-01	674	4.65E-01	741	7.37E-02
407	7.80E-03	474	4.78E-01	541	6.80E-01	608	8.52E-01	675	4.54E-01	742	7.11E-02
408	8.90E-03	475	4.63E-01	542	6.83E-01	609	8.55E-01	676	4.42E-01	743	6.89E-02
409	9.50E-03	476	4.45E-01	543	6.86E-01	610	8.56E-01	677	4.37E-01	744	6.72E-02
410	1.08E-02	477	4.31E-01	544	6.93E-01	611	8.57E-01	678	4.26E-01	745	6.45E-02
411	1.22E-02	478	4.22E-01	545	6.94E-01	612	8.58E-01	679	4.18E-01	746	6.28E-02
412	1.35E-02	479	4.11E-01	546	6.97E-01	613	8.61E-01	680	4.08E-01	747	6.07E-02
413	1.49E-02	480	4.13E-01	547	7.00E-01	614	8.64E-01	681	4.00E-01	748	5.92E-02
414	1.69E-02	481	4.12E-01	548	7.02E-01	615	8.63E-01	682	3.92E-01	749	5.72E-02
415	1.96E-02	482	4.16E-01	549	7.03E-01	616	8.66E-01	683	3.82E-01	750	5.52E-02
416	2.19E-02	483	4.24E-01	550	7.06E-01	617	8.65E-01	684	3.74E-01	751	5.35E-02
417	2.43E-02	484	4.32E-01	551	7.06E-01	618	8.65E-01	685	3.64E-01	752	5.21E-02
418	2.75E-02	485	4.40E-01	552	7.09E-01	619	8.64E-01	686	3.56E-01	753	5.05E-02
419	2.99E-02	486	4.51E-01	553	7.08E-01	620	8.63E-01	687	3.47E-01	754	4.88E-02
420	3.34E-02	487	4.56E-01	554	7.15E-01	621	8.63E-01	688	3.39E-01	755	4.69E-02
421	3.73E-02	488	4.66E-01	555	7.15E-01	622	8.62E-01	689	3.30E-01	756	4.59E-02
422	4.18E-02	489	4.73E-01	556	7.17E-01	623	8.58E-01	690	3.21E-01	757	4.46E-02
423	4.61E-02	490	4.78E-01	557	7.22E-01	624	8.55E-01	691	3.14E-01	758	4.31E-02
424	5.10E-02	491	4.82E-01	558	7.24E-01	625	8.54E-01	692	3.06E-01	759	4.18E-02
425	5.66E-02	492	4.88E-01	559	7.27E-01	626	8.51E-01	693	2.99E-01	760	4.00E-02
426	6.36E-02	493	4.94E-01	560	7.30E-01	627	8.47E-01	694	2.92E-01	761	3.89E-02
427	7.08E-02	494	5.06E-01	561	7.30E-01	628	8.46E-01	695	2.86E-01	762	3.81E-02
428	7.92E-02	495	5.13E-01	562	7.31E-01	629	8.42E-01	696	2.79E-01	763	3.66E-02
429	8.94E-02	496	5.18E-01	563	7.31E-01	630	8.38E-01	697	2.72E-01	764	3.58E-02
430	9.97E-02	497	5.26E-01	564	7.34E-01	631	8.32E-01	698	2.63E-01	765	3.42E-02
431	1.10E-01	498	5.34E-01	565	7.36E-01	632	8.28E-01	699	2.57E-01	766	3.36E-02
432	1.20E-01	499	5.41E-01	566	7.37E-01	633	8.23E-01	700	2.51E-01	767	3.24E-02
433	1.34E-01	500	5.51E-01	567	7.40E-01	634	8.17E-01	701	2.43E-01	768	3.16E-02
434	1.46E-01	501	5.57E-01	568	7.42E-01	635	8.10E-01	702	2.37E-01	769	3.01E-02
435	1.60E-01	502	5.64E-01	569	7.43E-01	636	8.07E-01	703	2.31E-01	770	2.93E-02
436	1.78E-01	503	5.70E-01	570	7.44E-01	637	8.03E-01	704	2.24E-01	771	2.82E-02
437	1.96E-01	504	5.77E-01	571	7.46E-01	638	7.95E-01	705	2.18E-01	772	2.75E-02
438	2.16E-01	505	5.83E-01	572	7.46E-01	639	7.90E-01	706	2.12E-01	773	2.66E-02
439	2.41E-01	506	5.88E-01	573	7.50E-01	640	7.84E-01	707	2.07E-01	774	2.56E-02
440	2.68E-01	507	5.93E-01	574	7.53E-01	641	7.72E-01	708	2.01E-01	775	2.47E-02
441	2.94E-01	508	5.96E-01	575	7.52E-01	642	7.64E-01	709	1.96E-01	776	2.42E-02
442	3.22E-01	509	5.99E-01	576	7.56E-01	643	7.56E-01	710	1.90E-01	777	2.33E-02
443	3.61E-01	510	6.02E-01	577	7.56E-01	644	7.48E-01	711	1.85E-01	778	2.27E-02
444	3.99E-01	511	6.08E-01	578	7.58E-01	645	7.41E-01	712	1.79E-01	779	2.28E-02
445	4.43E-01	512	6.13E-01	579	7.58E-01	646	7.33E-01	713	1.73E-01	780	2.28E-02
446	4.92E-01	513	6.15E-01	580	7.62E-01	647	7.25E-01	714	1.69E-01	N/A	N/A

4.0 LM-79 Measurement and Test Results

4.2 Goniophotometer Test

Model No.	PIVOTMB @8W4000K	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	0.068	7.9	0.966
NON-WORST CASE	N/A	N/A	N/A	N/A	N/A

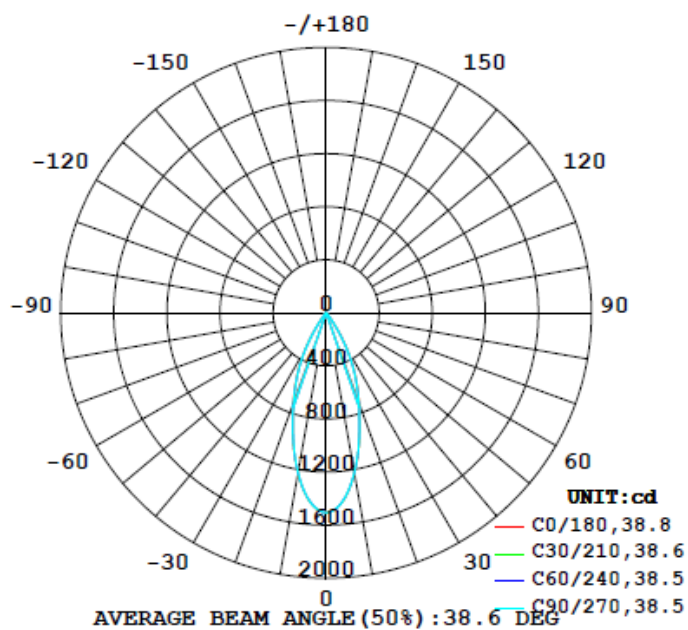
Test Result

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°)
734	69.0	68.3	38.8	38.5	92.9	100.0%

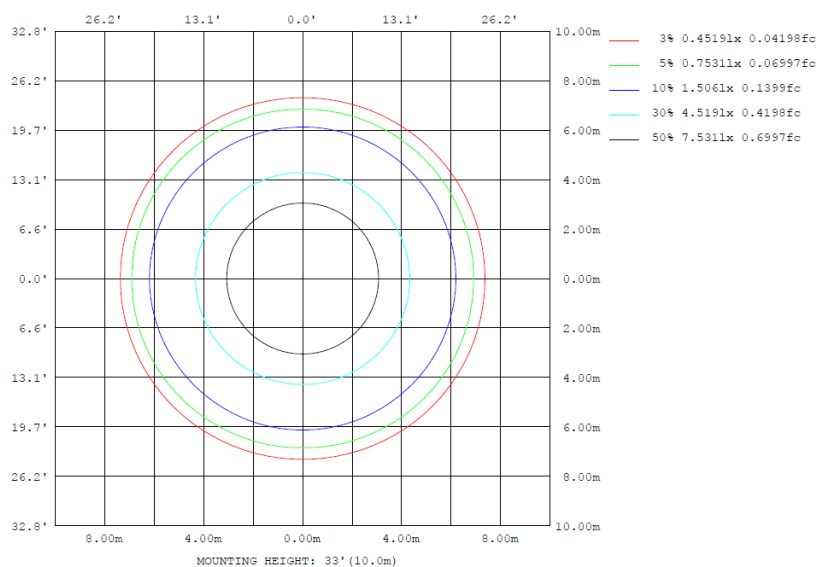
4.2 Goniophotometer Test

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	φ zone	φ total	%lum, lamp
10	1227	1226	1222	1226	1227	1226	1222	1226	0- 10	129.6	129.6	17.7,17.7
20	726.6	721.5	718.1	721.5	726.6	721.5	718.1	721.5	10- 20	267.0	396.6	54.1,54.1
30	319.4	307.0	305.0	307.0	319.4	307.0	305.0	307.0	20- 30	232.1	628.7	85.7,85.7
40	30.69	30.67	30.03	30.67	30.69	30.67	30.03	30.67	30- 40	82.56	711.3	97.97
50	11.64	11.98	11.64	11.98	11.64	11.98	11.64	11.98	40- 50	13.06	724.3	98.7,98.7
60	4.322	4.300	4.127	4.300	4.322	4.300	4.127	4.300	50- 60	7.045	731.4	99.7,99.7
70	0.5922	0.5974	0.6115	0.5974	0.5922	0.5974	0.6115	0.5974	60- 70	2.113	733.5	100,100
80	0.0441	0.0396	0.0340	0.0396	0.0441	0.0396	0.0340	0.0396	70- 80	0.1309	733.6	100,100
90	0	0	0	0	0	0	0	0	80- 90	0.0180	733.7	100,100
100	0	0	0	0	0	0	0	0	90-100	0	733.7	100,100
110	0	0	0	0	0	0	0	0	100-110	0	733.7	100,100
120	0	0	0	0	0	0	0	0	110-120	0	733.7	100,100
130	0	0	0	0	0	0	0	0	120-130	0	733.7	100,100
140	0	0	0	0	0	0	0	0	130-140	0	733.7	100,100
150	0	0	0	0	0	0	0	0	140-150	0	733.7	100,100
160	0	0	0	0	0	0	0	0	150-160	0	733.7	100,100
170	0	0	0	0	0	0	0	0	160-170	0	733.7	100,100
180	0	0	0	0	0	0	0	0	170-180	0	733.7	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Zonal (lm)		Total (lm)		Percent
0-10	129.64	0-10	129.64	17.67%
10-20	266.95	0-20	396.59	54.06%
20-30	232.13	0-30	628.72	85.70%
30-40	82.56	0-40	711.28	96.95%
40-50	13.06	0-50	724.34	98.73%
50-60	7.05	0-60	731.39	99.69%
60-70	2.11	0-70	733.50	99.98%
70-80	0.13	0-80	733.63	100.00%
80-90	0.02	0-90	733.65	100.00%
90-100	0.00	0-100	733.65	100.00%
100-110	0.00	0-110	733.65	100.00%
110-120	0.00	0-120	733.65	100.00%
120-130	0.00	0-130	733.65	100.00%
130-140	0.00	0-140	733.65	100.00%
140-150	0.00	0-150	733.65	100.00%
150-160	0.00	0-160	733.65	100.00%
160-170	0.00	0-170	733.65	100.00%
170-180	0.00	0-180	733.65	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	1506	1506	1506	1506	1506	1506	1506	1506	1506	1506	1506	1506	1506	1506	1506	1506	1506	1506	1506
5	1427	1427	1427	1427	1425	1426	1427	1426	1425	1427	1427	1427	1427	1427	1427	1427	1425	1426	1427
10	1227	1227	1227	1226	1225	1223	1222	1223	1225	1226	1227	1227	1227	1227	1227	1226	1225	1223	1222
15	970	970	969	968	966	966	964	966	966	968	969	970	970	970	969	968	966	966	964
20	727	725	723	722	719	718	718	719	722	723	725	727	725	723	722	719	718	718	718
25	523	519	515	513	511	510	510	510	511	513	515	519	523	519	515	513	511	510	510
30	319	314	309	307	307	305	305	305	307	307	309	314	319	314	309	307	307	305	305
35	121	122	121	120	117	115	113	115	117	120	121	122	121	122	121	120	117	115	113
40	30.7	30.9	30.8	30.7	30.4	30.1	30.0	30.1	30.4	30.7	30.8	30.9	30.7	30.9	30.8	30.7	30.4	30.1	30.0
45	15.4	15.6	15.7	15.7	15.8	15.6	15.5	15.6	15.8	15.7	15.7	15.6	15.4	15.6	15.7	15.7	15.8	15.6	15.5
50	11.6	11.8	11.9	12.0	11.9	11.7	11.6	11.7	11.9	12.0	11.9	11.8	11.6	11.8	11.9	12.0	11.9	11.7	11.6
55	7.87	7.97	8.01	8.00	7.84	7.69	7.66	7.69	7.84	8.00	8.01	7.97	7.87	7.97	8.01	8.00	7.84	7.69	7.66
60	4.32	4.36	4.36	4.30	4.23	4.16	4.13	4.16	4.23	4.30	4.36	4.36	4.32	4.36	4.36	4.30	4.23	4.16	4.13
65	2.02	2.04	2.04	2.02	1.99	2.00	1.96	2.00	1.99	2.02	2.04	2.04	2.02	2.04	2.04	2.02	1.99	2.00	1.96
70	0.59	0.60	0.60	0.60	0.57	0.58	0.61	0.58	0.60	0.60	0.60	0.59	0.60	0.60	0.60	0.57	0.58	0.61	0.59
75	0.08	0.08	0.07	0.07	0.07	0.06	0.06	0.06	0.07	0.07	0.08	0.08	0.08	0.08	0.07	0.07	0.06	0.06	0.06
80	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03
85	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	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	1506	1506	1506	1506	1506														
5	1426	1425	1427	1427	1427														
10	1223	1225	1226	1227	1227														
15	966	966	968	969	970														
20	718	719	722	723	725														
25	510	511	513	515	519														
30	305	307	307	309	314														
35	115	117	120	121	122														
40	30.1	30.4	30.7	30.8	30.9														
45	15.6	15.8	15.7	15.7	15.6														
50	11.7	11.9	12.0	11.9	11.8														
55	7.69	7.84	8.00	8.01	7.97														
60	4.16	4.23	4.30	4.36	4.36														
65	2.00	1.99	2.02	2.04	2.04														
70	0.58	0.57	0.60	0.60	0.60														
75	0.06	0.07	0.07	0.07	0.08														
80	0.04	0.04	0.04	0.04	0.04														
85	0.01	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 @8W4000K	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	0.068	7.9	0.966	12.81

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*****