

Photometric Test Report

Relevant Standards

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

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: 2025-12-10

Review by:

Vincent Yuan

Technical Lead: Vincent Yuan

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		557
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Standard	Premium	94.5
		95	110	
Power (Input Wattage) (W) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Worst Case		5.9
Total Harmonic Distortion (A%) (THD & PF – Section 4.3)	ANSI C82.77:2002 ANSI C82-77-10:2020	20.00%	120V	13.95
Power Factor (THD & PF – Section 4.3)	ANSI C82.77:2002 ANSI C82-77-10:2020	0.9	120V	0.948
Allowable CCTs* (K) (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19	7 steps	5029±283	4962
		4 steps	5029±220	
Chromaticity (D _{uv}) (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19	7 steps	0.0020±0.0060	0.0039
		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		65
Minimum Rf (Integrating Sphere – Section 4.1)	ANSI/IES TM-30-24	≥70		90
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		0.052
(Goniophotometer – Section 4.2)		Non-Worst Case		N/A
Power (Input Wattage – W)				
(Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Worst Case		5.9
(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 @6W5000K	-	250903027-S1
2	Goniophotometer Test	2025-12-08	PIVOTMB @6W5000K	-	250903027-S1
3	THD and PF Test	2025-12-08	PIVOTMB @6W5000K	-	250903027-S1

Remark (If any):

1. The results contained in this report pertain only to the tested samples.
2. This report shall not be reproduced, no limited part or full, without approval of Dongguan New Testing Centre Co., Ltd.
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 @6W5000K, 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 @6W5000K	Sample ID	250903027-S1
Operate time (Min.)	10	Stabilization time (Min.)	60
Temperature (°C)	25.4	Humidity (%RH)	41.0

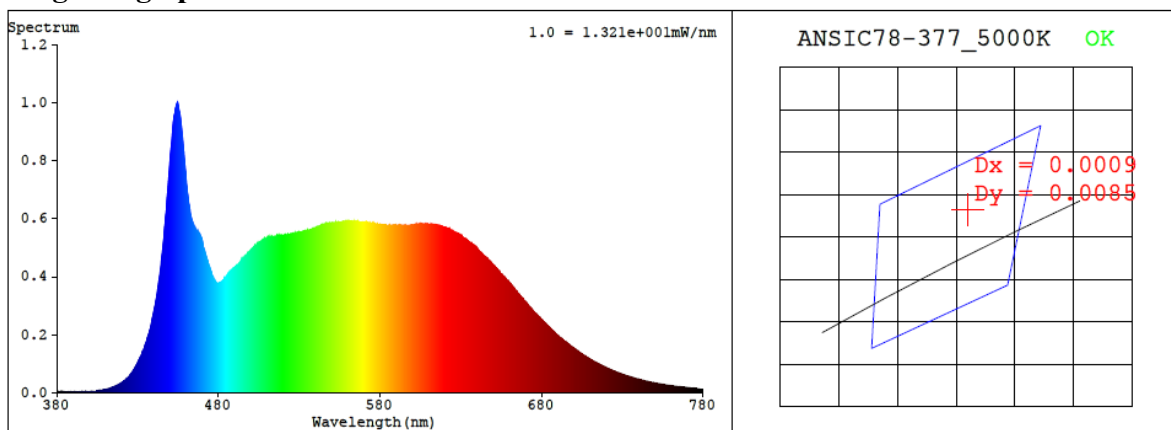
Test Method
<p>The Samples were tested according to the ANSI/IES LM-79:2019.</p> <p>Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at 25±1°C.</p> <p>The sample measurements were made 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	0.052	5.9	0.948

CCT (K)	CRI	R9	Duv	SDCM	Rf	Rg	IES Rcs,h1
4962	92.6	65	0.0039	2.4	90	97	-5%

4.1 Integrating Sphere Test



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3471$ $y = 0.3610$ / $u' = 0.2091$ $v' = 0.4895$ ($duv=3.87e-03$)

CCT= 4962K Prcp WL: $L_d=569.9nm$ Purity=12.5%

Peak WL: $L_p=455nm$ FWHM: $=25.5nm$ Ratio:R=17.1% G=77.2% B=5.6%

Render Index: $R_a = 92.6$ AvgR = 89.2 TM30:Rf=91 Rg=97

EEL: 0.12566 A+

R1 =93 R2 =97 R3 =98 R4 =89 R5 =91 R6 =94 R7 =92

R8 =85 R9 =65 R10=93 R11=90 R12=68 R13=94 R14=99 R15=89

4.1 Integrating Sphere Test

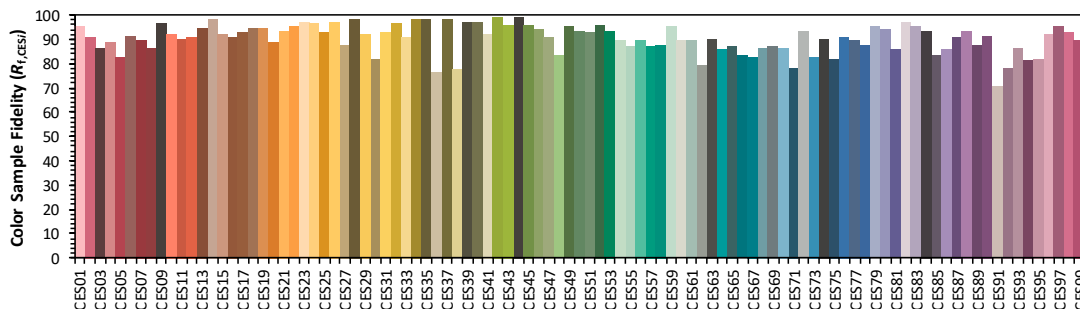
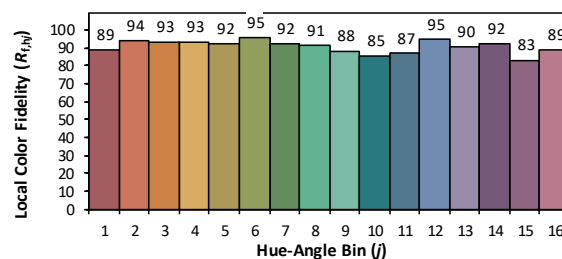
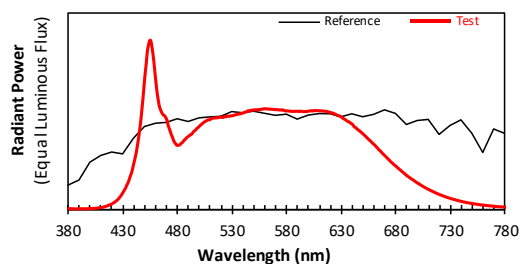
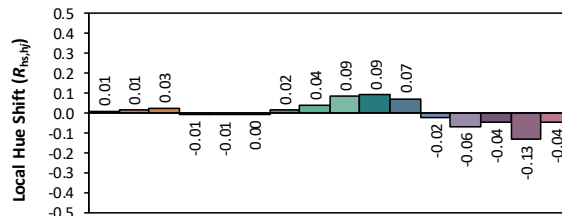
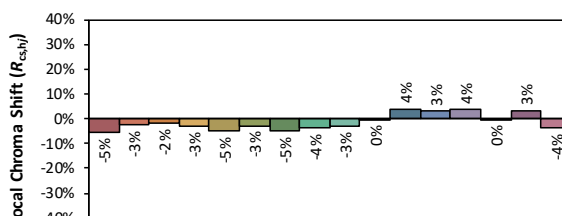
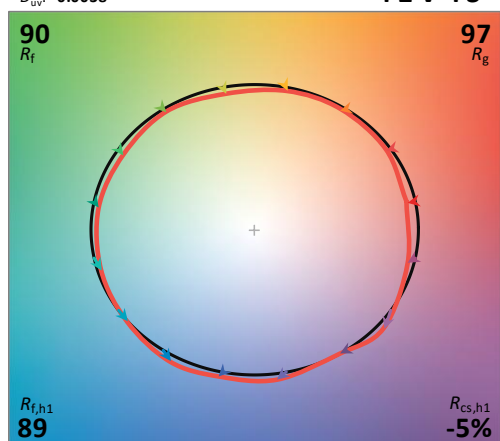
ANSI/IES TM-30-24 Color Rendition Report

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

Make: RAB Lighting Inc.
Model: PIVOTMB @6W5000K
Other: N/A

CCT: 4960 K
 D_{uv} : 0.0038

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	4.40E-03	447	5.90E-01	514	5.38E-01	581	5.79E-01	648	4.53E-01	715	1.00E-01
381	3.90E-03	448	6.55E-01	515	5.38E-01	582	5.78E-01	649	4.47E-01	716	9.72E-02
382	3.20E-03	449	7.32E-01	516	5.40E-01	583	5.78E-01	650	4.41E-01	717	9.43E-02
383	3.50E-03	450	8.01E-01	517	5.39E-01	584	5.77E-01	651	4.36E-01	718	9.17E-02
384	2.90E-03	451	8.61E-01	518	5.43E-01	585	5.76E-01	652	4.29E-01	719	8.87E-02
385	3.00E-03	452	9.32E-01	519	5.43E-01	586	5.78E-01	653	4.23E-01	720	8.63E-02
386	2.50E-03	453	9.66E-01	520	5.41E-01	587	5.76E-01	654	4.16E-01	721	8.39E-02
387	2.50E-03	454	9.92E-01	521	5.40E-01	588	5.78E-01	655	4.10E-01	722	8.13E-02
388	2.80E-03	455	9.94E-01	522	5.43E-01	589	5.77E-01	656	4.04E-01	723	7.89E-02
389	2.80E-03	456	9.63E-01	523	5.46E-01	590	5.77E-01	657	3.99E-01	724	7.62E-02
390	2.60E-03	457	9.20E-01	524	5.44E-01	591	5.76E-01	658	3.92E-01	725	7.41E-02
391	3.60E-03	458	8.66E-01	525	5.48E-01	592	5.78E-01	659	3.85E-01	726	7.18E-02
392	3.20E-03	459	8.00E-01	526	5.49E-01	593	5.77E-01	660	3.80E-01	727	6.96E-02
393	3.20E-03	460	7.38E-01	527	5.48E-01	594	5.76E-01	661	3.74E-01	728	6.75E-02
394	3.30E-03	461	6.83E-01	528	5.49E-01	595	5.75E-01	662	3.66E-01	729	6.55E-02
395	3.10E-03	462	6.42E-01	529	5.51E-01	596	5.75E-01	663	3.60E-01	730	6.32E-02
396	3.60E-03	463	6.06E-01	530	5.51E-01	597	5.76E-01	664	3.52E-01	731	6.15E-02
397	3.50E-03	464	5.88E-01	531	5.53E-01	598	5.75E-01	665	3.46E-01	732	5.96E-02
398	4.20E-03	465	5.72E-01	532	5.55E-01	599	5.78E-01	666	3.39E-01	733	5.80E-02
399	4.30E-03	466	5.60E-01	533	5.57E-01	600	5.78E-01	667	3.32E-01	734	5.62E-02
400	4.50E-03	467	5.54E-01	534	5.58E-01	601	5.79E-01	668	3.26E-01	735	5.42E-02
401	4.90E-03	468	5.49E-01	535	5.62E-01	602	5.81E-01	669	3.19E-01	736	5.26E-02
402	5.30E-03	469	5.38E-01	536	5.61E-01	603	5.79E-01	670	3.13E-01	737	5.10E-02
403	5.90E-03	470	5.24E-01	537	5.62E-01	604	5.80E-01	671	3.07E-01	738	4.91E-02
404	6.00E-03	471	4.95E-01	538	5.64E-01	605	5.82E-01	672	3.00E-01	739	4.77E-02
405	6.70E-03	472	4.77E-01	539	5.66E-01	606	5.81E-01	673	2.94E-01	740	4.66E-02
406	7.50E-03	473	4.58E-01	540	5.68E-01	607	5.81E-01	674	2.87E-01	741	4.45E-02
407	8.30E-03	474	4.39E-01	541	5.72E-01	608	5.81E-01	675	2.80E-01	742	4.31E-02
408	9.10E-03	475	4.24E-01	542	5.72E-01	609	5.80E-01	676	2.74E-01	743	4.20E-02
409	1.03E-02	476	4.05E-01	543	5.75E-01	610	5.80E-01	677	2.69E-01	744	4.02E-02
410	1.10E-02	477	3.94E-01	544	5.80E-01	611	5.80E-01	678	2.62E-01	745	3.94E-02
411	1.23E-02	478	3.85E-01	545	5.80E-01	612	5.79E-01	679	2.58E-01	746	3.80E-02
412	1.38E-02	479	3.77E-01	546	5.81E-01	613	5.79E-01	680	2.53E-01	747	3.69E-02
413	1.55E-02	480	3.77E-01	547	5.83E-01	614	5.78E-01	681	2.46E-01	748	3.57E-02
414	1.78E-02	481	3.78E-01	548	5.84E-01	615	5.77E-01	682	2.41E-01	749	3.48E-02
415	1.99E-02	482	3.81E-01	549	5.84E-01	616	5.77E-01	683	2.35E-01	750	3.35E-02
416	2.20E-02	483	3.89E-01	550	5.86E-01	617	5.75E-01	684	2.30E-01	751	3.29E-02
417	2.50E-02	484	3.93E-01	551	5.86E-01	618	5.74E-01	685	2.25E-01	752	3.14E-02
418	2.78E-02	485	4.01E-01	552	5.86E-01	619	5.72E-01	686	2.19E-01	753	3.05E-02
419	3.04E-02	486	4.09E-01	553	5.84E-01	620	5.70E-01	687	2.14E-01	754	2.96E-02
420	3.40E-02	487	4.14E-01	554	5.88E-01	621	5.68E-01	688	2.08E-01	755	2.89E-02
421	3.79E-02	488	4.22E-01	555	5.87E-01	622	5.66E-01	689	2.02E-01	756	2.77E-02
422	4.17E-02	489	4.26E-01	556	5.87E-01	623	5.64E-01	690	1.97E-01	757	2.67E-02
423	4.76E-02	490	4.31E-01	557	5.90E-01	624	5.60E-01	691	1.92E-01	758	2.58E-02
424	5.23E-02	491	4.37E-01	558	5.91E-01	625	5.57E-01	692	1.88E-01	759	2.51E-02
425	5.82E-02	492	4.40E-01	559	5.92E-01	626	5.54E-01	693	1.83E-01	760	2.45E-02
426	6.58E-02	493	4.46E-01	560	5.92E-01	627	5.51E-01	694	1.79E-01	761	2.37E-02
427	7.35E-02	494	4.55E-01	561	5.91E-01	628	5.50E-01	695	1.75E-01	762	2.28E-02
428	8.16E-02	495	4.61E-01	562	5.91E-01	629	5.46E-01	696	1.71E-01	763	2.24E-02
429	9.23E-02	496	4.66E-01	563	5.90E-01	630	5.43E-01	697	1.66E-01	764	2.15E-02
430	1.03E-01	497	4.73E-01	564	5.91E-01	631	5.36E-01	698	1.61E-01	765	2.09E-02
431	1.14E-01	498	4.80E-01	565	5.89E-01	632	5.33E-01	699	1.57E-01	766	2.04E-02
432	1.25E-01	499	4.84E-01	566	5.89E-01	633	5.29E-01	700	1.53E-01	767	1.93E-02
433	1.40E-01	500	4.92E-01	567	5.89E-01	634	5.25E-01	701	1.50E-01	768	1.92E-02
434	1.53E-01	501	4.97E-01	568	5.87E-01	635	5.20E-01	702	1.45E-01	769	1.83E-02
435	1.68E-01	502	5.03E-01	569	5.87E-01	636	5.16E-01	703	1.41E-01	770	1.77E-02
436	1.88E-01	503	5.08E-01	570	5.87E-01	637	5.14E-01	704	1.37E-01	771	1.70E-02
437	2.06E-01	504	5.14E-01	571	5.87E-01	638	5.09E-01	705	1.33E-01	772	1.63E-02
438	2.27E-01	505	5.18E-01	572	5.85E-01	639	5.04E-01	706	1.30E-01	773	1.62E-02
439	2.55E-01	506	5.21E-01	573	5.85E-01	640	5.00E-01	707	1.26E-01	774	1.55E-02
440	2.82E-01	507	5.25E-01	574	5.86E-01	641	4.91E-01	708	1.22E-01	775	1.50E-02
441	3.10E-01	508	5.27E-01	575	5.84E-01	642	4.84E-01	709	1.19E-01	776	1.47E-02
442	3.41E-01	509	5.27E-01	576	5.86E-01	643	4.80E-01	710	1.16E-01	777	1.42E-02
443	3.82E-01	510	5.31E-01	577	5.83E-01	644	4.74E-01	711	1.12E-01	778	1.35E-02
444	4.22E-01	511	5.35E-01	578	5.81E-01	645	4.69E-01	712	1.09E-01	779	1.35E-02
445	4.71E-01	512	5.36E-01	579	5.79E-01	646	4.63E-01	713	1.06E-01	780	1.35E-02
446	5.25E-01	513	5.38E-01	580	5.80E-01	647	4.59E-01	714	1.04E-01	N/A	N/A

4.0 LM-79 Measurement and Test Results

4.2 Goniophotometer Test

Model No.	PIVOTMB @6W5000K	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 $25 \pm 1^\circ\text{C}$, 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	0.052	5.9	0.948
NON-WORST CASE	N/A	N/A	N/A	N/A	N/A

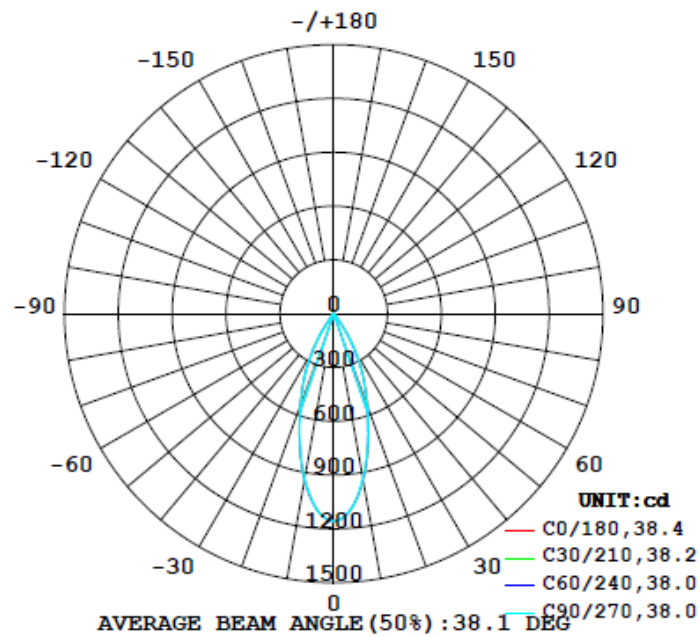
Test Result

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°)
557	68.6	67.9	38.4	38.0	94.5	100.0%

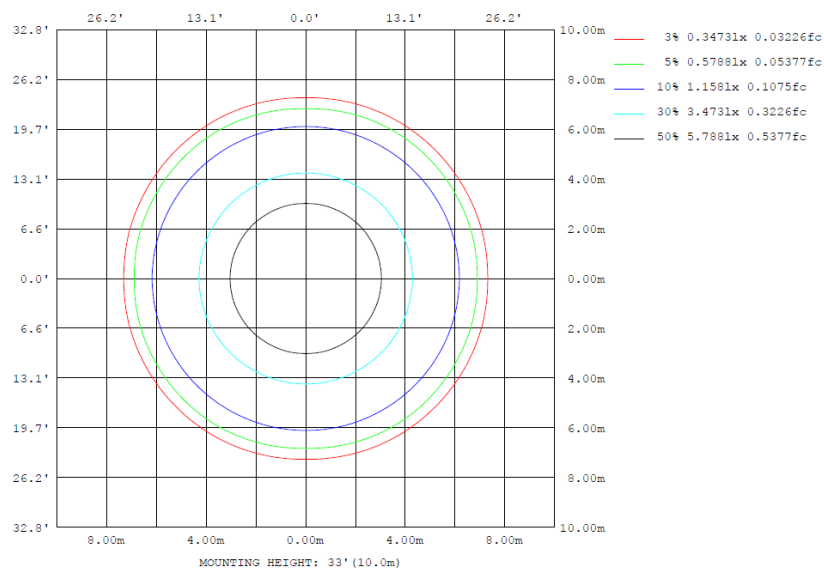
4.2 Goniophotometer Test

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	938.0	940.6	934.4	940.6	938.0	940.6	934.4	940.6	0- 10	99.47	99.47	17.8,17.8
20	551.0	546.2	543.0	546.2	551.0	546.2	543.0	546.2	10- 20	203.3	302.8	54.3,54.3
30	242.6	230.9	231.3	230.9	242.6	230.9	231.3	230.9	20- 30	175.1	477.8	85.7,85.7
40	23.29	23.47	22.85	23.47	23.29	23.47	22.85	23.47	30- 40	62.59	540.4	97,97
50	8.786	9.048	8.791	9.048	8.786	9.048	8.791	9.048	40- 50	9.906	550.3	98.7,98.7
60	3.277	3.261	3.122	3.261	3.277	3.261	3.122	3.261	50- 60	5.331	555.7	99.7,99.7
70	0.4527	0.4521	0.4636	0.4521	0.4527	0.4521	0.4636	0.4521	60- 70	1.603	557.3	100,100
80	0.0323	0.0297	0.0259	0.0297	0.0323	0.0297	0.0259	0.0297	70- 80	0.0990	557.4	100,100
90	0	0	0	0	0	0	0	0	80- 90	0.0130	557.4	100,100
100	0	0	0	0	0	0	0	0	90-100	0	557.4	100,100
110	0	0	0	0	0	0	0	0	100-110	0	557.4	100,100
120	0	0	0	0	0	0	0	0	110-120	0	557.4	100,100
130	0	0	0	0	0	0	0	0	120-130	0	557.4	100,100
140	0	0	0	0	0	0	0	0	130-140	0	557.4	100,100
150	0	0	0	0	0	0	0	0	140-150	0	557.4	100,100
160	0	0	0	0	0	0	0	0	150-160	0	557.4	100,100
170	0	0	0	0	0	0	0	0	160-170	0	557.4	100,100
180	0	0	0	0	0	0	0	0	170-180	0	557.4	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

	Zonal (lm)		Total (lm)	Percent
0-10	99.47	0-10	99.47	17.85%
10-20	203.30	0-20	302.77	54.32%
20-30	175.06	0-30	477.83	85.73%
30-40	62.59	0-40	540.42	96.96%
40-50	9.91	0-50	550.33	98.74%
50-60	5.33	0-60	555.66	99.69%
60-70	1.60	0-70	557.26	99.98%
70-80	0.10	0-80	557.36	100.00%
80-90	0.01	0-90	557.37	100.00%
90-100	0.00	0-100	557.37	100.00%
100-110	0.00	0-110	557.37	100.00%
110-120	0.00	0-120	557.37	100.00%
120-130	0.00	0-130	557.37	100.00%
130-140	0.00	0-140	557.37	100.00%
140-150	0.00	0-150	557.37	100.00%
150-160	0.00	0-160	557.37	100.00%
160-170	0.00	0-170	557.37	100.00%
170-180	0.00	0-180	557.37	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
y (DEG)	0	1157	1157	1158	1158	1157	1157	1157	1157	1158	1158	1157	1157	1158	1158	1157	1157	1157	1157
5	1095	1095	1096	1096	1095	1095	1095	1095	1095	1096	1096	1095	1095	1095	1096	1096	1095	1095	1095
10	938	939	940	941	939	936	934	936	939	941	940	939	938	939	940	941	939	936	934
15	739	739	739	738	735	735	733	735	735	738	739	739	739	739	739	738	735	735	733
20	551	550	547	546	544	543	543	543	544	546	547	550	551	550	547	546	544	543	543
25	395	392	387	385	384	384	385	384	384	385	387	392	395	392	387	385	384	384	385
30	243	238	233	231	231	231	231	231	231	231	233	238	243	238	233	231	231	231	231
35	93.7	96.3	94.5	94.9	95.2	91.5	87.4	91.5	95.2	94.9	94.5	96.3	93.7	96.3	94.5	94.9	95.2	91.5	87.4
40	23.3	23.6	23.5	23.5	23.2	23.0	22.8	23.0	23.2	23.5	23.5	23.6	23.3	23.6	23.5	23.5	23.2	23.0	22.8
45	11.7	11.8	11.9	11.9	12.0	11.8	11.8	11.8	12.0	11.9	11.9	11.8	11.7	11.8	11.9	11.9	12.0	11.8	11.8
50	8.79	8.90	9.01	9.05	8.94	8.85	8.79	8.85	8.94	9.05	9.01	8.90	8.79	8.90	9.01	9.05	8.94	8.85	8.79
55	5.95	6.03	6.06	6.06	5.93	5.82	5.80	5.82	5.93	6.06	6.06	6.03	5.95	6.03	6.06	6.06	5.93	5.82	5.80
60	3.28	3.31	3.31	3.26	3.21	3.16	3.12	3.16	3.21	3.26	3.31	3.31	3.28	3.31	3.31	3.26	3.21	3.16	3.12
65	1.54	1.55	1.55	1.53	1.51	1.52	1.49	1.52	1.51	1.53	1.55	1.55	1.54	1.55	1.55	1.53	1.51	1.52	1.49
70	0.45	0.46	0.46	0.45	0.43	0.44	0.46	0.44	0.43	0.45	0.46	0.46	0.45	0.46	0.46	0.45	0.43	0.44	0.46
75	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05
80	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
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														
y (DEG)	0	1157	1157	1158	1158	1157													
5	1095	1095	1096	1096	1095														
10	936	939	941	940	939														
15	735	735	738	739	739														
20	543	544	546	547	550														
25	384	384	385	387	392														
30	231	231	231	233	238														
35	91.5	95.2	94.9	94.5	96.3														
40	23.0	23.2	23.5	23.5	23.6														
45	11.8	12.0	11.9	11.9	11.8														
50	8.85	8.94	9.05	9.01	8.90														
55	5.82	5.93	6.06	6.06	6.03														
60	3.16	3.21	3.26	3.31	3.31														
65	1.52	1.51	1.53	1.55	1.55														
70	0.44	0.43	0.45	0.46	0.46														
75	0.05	0.05	0.05	0.06	0.06														
80	0.03	0.03	0.03	0.03	0.03														
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.	PIVOTMB @6W5000K	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	0.052	5.9	0.948	13.95

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*****