

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		747
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Standard	Premium	92.3
		95	110	
Power (Input Wattage) (W) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Worst Case		8.1
Total Harmonic Distortion (A%) (THD & PF – Section 4.3)	ANSI C82.77:2002 ANSI C82-77-10:2020	20.00%	120V	12.53
Power Factor (THD & PF – Section 4.3)	ANSI C82.77:2002 ANSI C82-77-10:2020	0.9	120V	0.968
Allowable CCTs* (K) (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19	7 steps	5029±283	4956
		4 steps	5029±220	
Chromaticity (D _{uv}) (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19	7 steps	0.0020±0.0060	0.0037
		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		0.070
(Goniophotometer – Section 4.2)		Non-Worst Case		N/A
Power (Input Wattage – W)				
(Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Worst Case		8.1
(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 @8W5000K	-	250903027-S1
2	Goniophotometer Test	2025-12-08	PIVOTMB @8W5000K	-	250903027-S1
3	THD and PF Test	2025-12-08	PIVOTMB @8W5000K	-	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 @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.	PIVOTMB @8W5000K	Sample ID	250903027-S1
Operate time (Min.)	10	Stabilization time (Min.)	60
Temperature (°C)	25.4	Humidity (%RH)	41.0

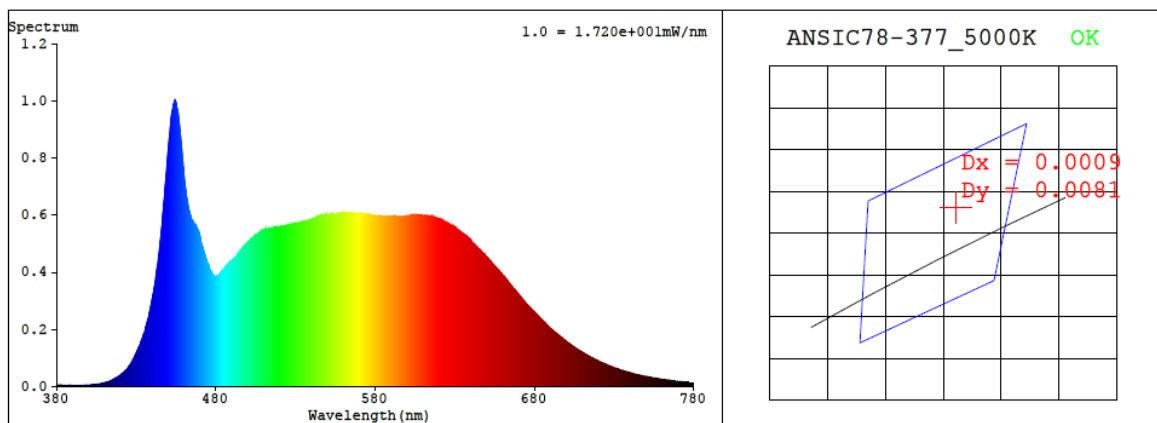
Test Method
<p>The Samples were tested according to the ANSI/IES LM-79:2019.</p> <p>Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at $25\pm1^{\circ}\text{C}$.</p> <p>The sample measurements 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	0.070	8.1	0.968

CCT (K)	CRI	R9	Duv	SDCM	Rf	Rg	IES Rcs,h1
4956	92.6	64	0.0037	2.3	91	97	-5%

4.1 Integrating Sphere Test



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3472$ $y = 0.3607$ / $u' = 0.2094$ $v' = 0.4893$ ($duv=3.65e-03$)

CCT= 4956K Prcp WL: Ld=570.2nm Purity=12.4%

Peak WL: Lp=455nm FWHM: =26.1nm Ratio:R=17.1% G=77.3% B=5.6%

Render Index: Ra = 92.6 AvgR = 89.3 TM30:Rf=91 Rg=97

EEL: 0.13738 A+

R1 =93 R2 =97 R3 =98 R4 =90 R5 =91 R6 =94 R7 =93
R8 =85 R9 =64 R10=92 R11=91 R12=68 R13=94 R14=99 R15=89

4.1 Integrating Sphere Test

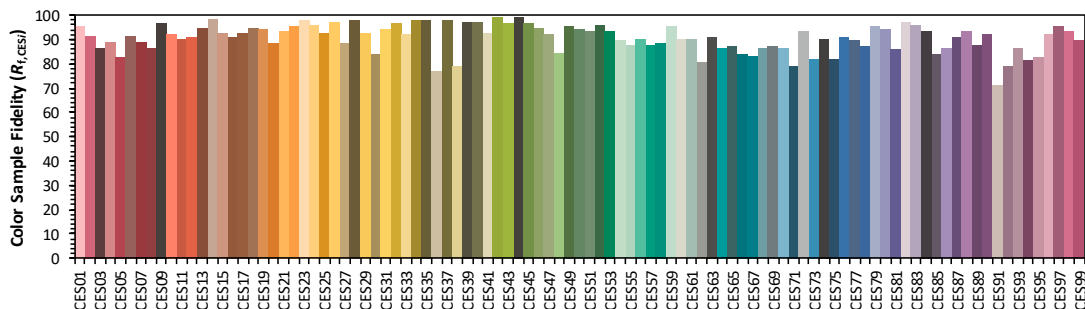
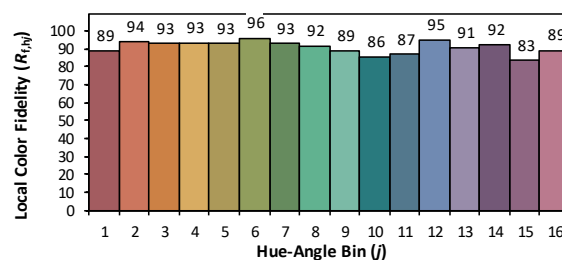
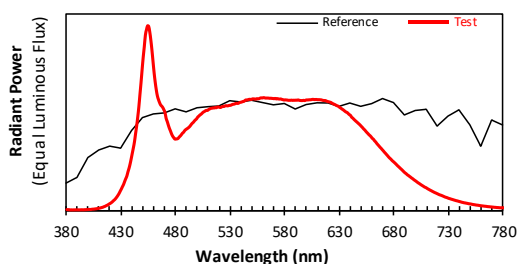
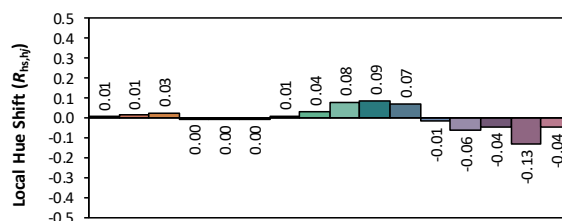
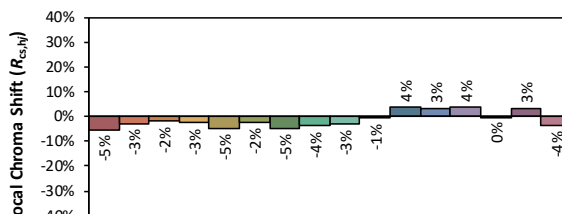
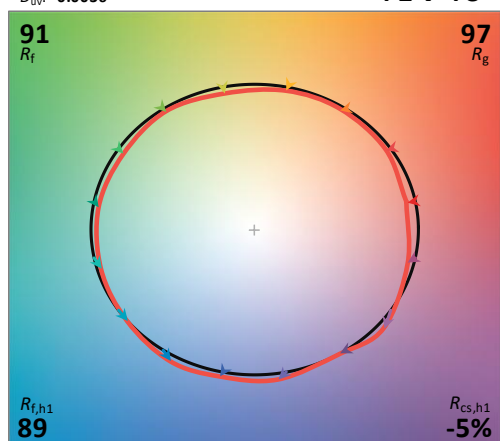
ANSI/IES TM-30-24 Color Rendition Report

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

Make: RAB Lighting Inc.
Model: PIVOTMB @8W5000K
Other: N/A

CCT: 4953 K
 D_{uv} : 0.0036

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	5.00E-03	447	6.26E-01	514	5.54E-01	581	5.97E-01	648	4.66E-01	715	1.03E-01
381	4.30E-03	448	6.90E-01	515	5.54E-01	582	5.96E-01	649	4.60E-01	716	1.00E-01
382	4.50E-03	449	7.61E-01	516	5.56E-01	583	5.95E-01	650	4.54E-01	717	9.72E-02
383	2.80E-03	450	8.27E-01	517	5.55E-01	584	5.95E-01	651	4.48E-01	718	9.47E-02
384	3.50E-03	451	8.84E-01	518	5.58E-01	585	5.95E-01	652	4.40E-01	719	9.19E-02
385	2.90E-03	452	9.47E-01	519	5.59E-01	586	5.96E-01	653	4.35E-01	720	8.92E-02
386	3.30E-03	453	9.76E-01	520	5.57E-01	587	5.95E-01	654	4.28E-01	721	8.62E-02
387	3.20E-03	454	9.97E-01	521	5.57E-01	588	5.96E-01	655	4.21E-01	722	8.39E-02
388	3.70E-03	455	9.94E-01	522	5.60E-01	589	5.95E-01	656	4.15E-01	723	8.20E-02
389	3.40E-03	456	9.65E-01	523	5.62E-01	590	5.96E-01	657	4.08E-01	724	7.96E-02
390	3.50E-03	457	9.20E-01	524	5.62E-01	591	5.95E-01	658	4.03E-01	725	7.70E-02
391	3.40E-03	458	8.66E-01	525	5.65E-01	592	5.97E-01	659	3.97E-01	726	7.42E-02
392	3.40E-03	459	8.05E-01	526	5.66E-01	593	5.95E-01	660	3.89E-01	727	7.18E-02
393	3.70E-03	460	7.44E-01	527	5.65E-01	594	5.94E-01	661	3.85E-01	728	7.01E-02
394	3.90E-03	461	6.93E-01	528	5.66E-01	595	5.94E-01	662	3.77E-01	729	6.78E-02
395	3.40E-03	462	6.51E-01	529	5.68E-01	596	5.94E-01	663	3.70E-01	730	6.54E-02
396	4.10E-03	463	6.19E-01	530	5.68E-01	597	5.95E-01	664	3.62E-01	731	6.38E-02
397	4.30E-03	464	5.99E-01	531	5.71E-01	598	5.94E-01	665	3.55E-01	732	6.17E-02
398	4.70E-03	465	5.83E-01	532	5.73E-01	599	5.96E-01	666	3.49E-01	733	6.00E-02
399	5.00E-03	466	5.70E-01	533	5.74E-01	600	5.97E-01	667	3.42E-01	734	5.82E-02
400	5.30E-03	467	5.63E-01	534	5.76E-01	601	5.97E-01	668	3.36E-01	735	5.63E-02
401	5.80E-03	468	5.55E-01	535	5.79E-01	602	5.98E-01	669	3.29E-01	736	5.45E-02
402	5.40E-03	469	5.43E-01	536	5.79E-01	603	5.98E-01	670	3.22E-01	737	5.28E-02
403	6.70E-03	470	5.29E-01	537	5.79E-01	604	5.99E-01	671	3.15E-01	738	5.15E-02
404	7.20E-03	471	4.98E-01	538	5.82E-01	605	6.00E-01	672	3.09E-01	739	4.96E-02
405	7.60E-03	472	4.81E-01	539	5.84E-01	606	6.00E-01	673	3.02E-01	740	4.81E-02
406	8.60E-03	473	4.62E-01	540	5.85E-01	607	5.99E-01	674	2.95E-01	741	4.63E-02
407	9.30E-03	474	4.44E-01	541	5.88E-01	608	5.99E-01	675	2.88E-01	742	4.45E-02
408	1.04E-02	475	4.29E-01	542	5.89E-01	609	5.99E-01	676	2.82E-01	743	4.32E-02
409	1.15E-02	476	4.14E-01	543	5.93E-01	610	5.98E-01	677	2.77E-01	744	4.17E-02
410	1.27E-02	477	4.02E-01	544	5.97E-01	611	5.99E-01	678	2.70E-01	745	4.08E-02
411	1.43E-02	478	3.93E-01	545	5.97E-01	612	5.98E-01	679	2.65E-01	746	3.95E-02
412	1.60E-02	479	3.86E-01	546	5.98E-01	613	5.98E-01	680	2.60E-01	747	3.85E-02
413	1.76E-02	480	3.86E-01	547	6.00E-01	614	5.96E-01	681	2.54E-01	748	3.70E-02
414	2.03E-02	481	3.87E-01	548	6.00E-01	615	5.94E-01	682	2.48E-01	749	3.59E-02
415	2.23E-02	482	3.89E-01	549	5.99E-01	616	5.94E-01	683	2.42E-01	750	3.52E-02
416	2.57E-02	483	3.97E-01	550	6.03E-01	617	5.94E-01	684	2.37E-01	751	3.38E-02
417	2.84E-02	484	4.02E-01	551	6.03E-01	618	5.91E-01	685	2.31E-01	752	3.26E-02
418	3.19E-02	485	4.10E-01	552	6.02E-01	619	5.89E-01	686	2.26E-01	753	3.16E-02
419	3.57E-02	486	4.18E-01	553	6.01E-01	620	5.87E-01	687	2.20E-01	754	3.07E-02
420	3.91E-02	487	4.23E-01	554	6.04E-01	621	5.85E-01	688	2.14E-01	755	2.95E-02
421	4.34E-02	488	4.31E-01	555	6.03E-01	622	5.83E-01	689	2.08E-01	756	2.89E-02
422	4.84E-02	489	4.37E-01	556	6.04E-01	623	5.79E-01	690	2.03E-01	757	2.81E-02
423	5.43E-02	490	4.41E-01	557	6.06E-01	624	5.76E-01	691	1.99E-01	758	2.70E-02
424	5.93E-02	491	4.45E-01	558	6.08E-01	625	5.74E-01	692	1.93E-01	759	2.61E-02
425	6.64E-02	492	4.50E-01	559	6.08E-01	626	5.71E-01	693	1.89E-01	760	2.52E-02
426	7.43E-02	493	4.56E-01	560	6.09E-01	627	5.67E-01	694	1.84E-01	761	2.45E-02
427	8.31E-02	494	4.64E-01	561	6.09E-01	628	5.65E-01	695	1.80E-01	762	2.38E-02
428	9.31E-02	495	4.71E-01	562	6.07E-01	629	5.62E-01	696	1.75E-01	763	2.30E-02
429	1.05E-01	496	4.77E-01	563	6.07E-01	630	5.57E-01	697	1.71E-01	764	2.25E-02
430	1.16E-01	497	4.84E-01	564	6.07E-01	631	5.53E-01	698	1.66E-01	765	2.16E-02
431	1.29E-01	498	4.90E-01	565	6.07E-01	632	5.49E-01	699	1.62E-01	766	2.08E-02
432	1.41E-01	499	4.96E-01	566	6.06E-01	633	5.45E-01	700	1.58E-01	767	2.04E-02
433	1.57E-01	500	5.05E-01	567	6.06E-01	634	5.40E-01	701	1.54E-01	768	1.96E-02
434	1.72E-01	501	5.10E-01	568	6.05E-01	635	5.35E-01	702	1.49E-01	769	1.91E-02
435	1.86E-01	502	5.16E-01	569	6.05E-01	636	5.31E-01	703	1.46E-01	770	1.84E-02
436	2.08E-01	503	5.20E-01	570	6.04E-01	637	5.29E-01	704	1.41E-01	771	1.79E-02
437	2.28E-01	504	5.25E-01	571	6.05E-01	638	5.23E-01	705	1.37E-01	772	1.71E-02
438	2.51E-01	505	5.31E-01	572	6.02E-01	639	5.17E-01	706	1.34E-01	773	1.68E-02
439	2.79E-01	506	5.34E-01	573	6.04E-01	640	5.13E-01	707	1.30E-01	774	1.60E-02
440	3.09E-01	507	5.38E-01	574	6.02E-01	641	5.04E-01	708	1.26E-01	775	1.58E-02
441	3.39E-01	508	5.41E-01	575	6.02E-01	642	4.99E-01	709	1.24E-01	776	1.52E-02
442	3.71E-01	509	5.41E-01	576	6.02E-01	643	4.93E-01	710	1.20E-01	777	1.46E-02
443	4.14E-01	510	5.46E-01	577	6.00E-01	644	4.87E-01	711	1.16E-01	778	1.46E-02
444	4.57E-01	511	5.49E-01	578	5.99E-01	645	4.82E-01	712	1.13E-01	779	1.46E-02
445	5.05E-01	512	5.52E-01	579	5.97E-01	646	4.77E-01	713	1.10E-01	780	1.47E-02
446	5.59E-01	513	5.52E-01	580	5.98E-01	647	4.71E-01	714	1.07E-01	N/A	N/A

4.0 LM-79 Measurement and Test Results

4.2 Goniophotometer Test

Model No.	PIVOTMB @8W5000K	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	0.070	8.1	0.968
NON-WORST CASE	N/A	N/A	N/A	N/A	N/A

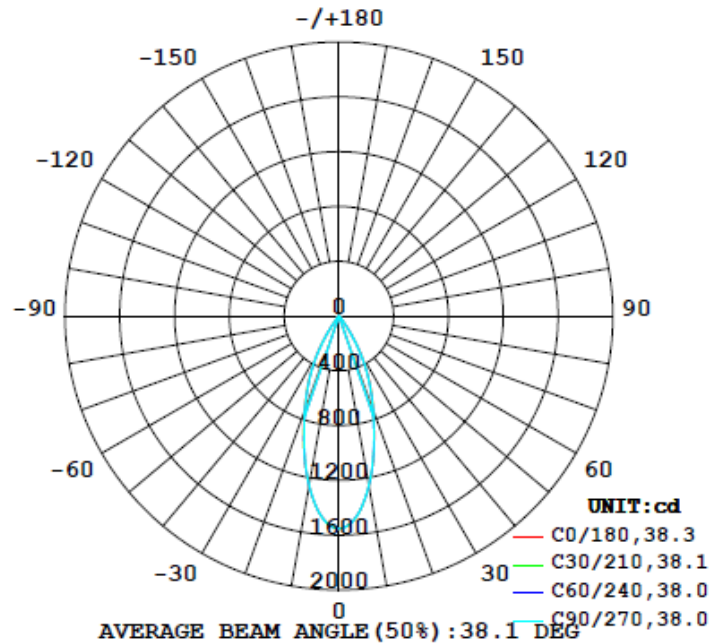
Test Result

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°)
747	68.6	67.9	38.4	38.0	92.3	100.0%

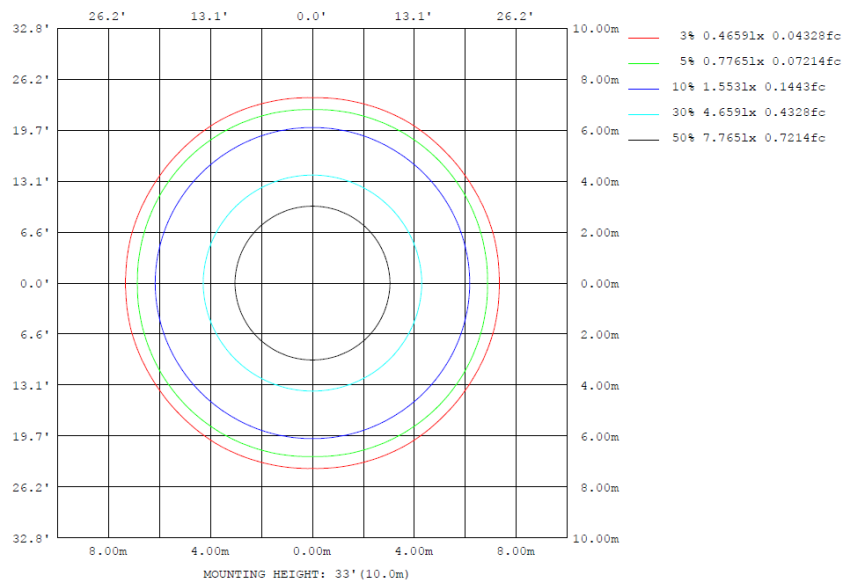
4.2 Goniophotometer Test

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	zone	total	lum, lamp
10	1258	1261	1253	1261	1258	1261	1253	1261	0- 10	133.4	133.4	17.9,17.9
20	738.7	732.0	728.7	732.0	738.7	732.0	728.7	732.0	10- 20	272.6	406.0	54.3,54.3
30	325.0	309.3	310.1	309.3	325.0	309.3	310.1	309.3	20- 30	234.6	640.6	85.7,85.7
40	31.11	31.41	30.47	31.41	31.11	31.41	30.47	31.41	30- 40	83.97	724.6	97.97
50	11.81	12.17	11.82	12.17	11.81	12.17	11.82	12.17	40- 50	13.28	737.9	98.7,98.7
60	4.395	4.367	4.190	4.367	4.395	4.367	4.190	4.367	50- 60	7.157	745.0	99.7,99.7
70	0.6031	0.6020	0.6245	0.6020	0.6031	0.6020	0.6245	0.6020	60- 70	2.147	747.2	100,100
80	0.0442	0.0405	0.0348	0.0405	0.0442	0.0405	0.0348	0.0405	70- 80	0.1327	747.3	100,100
90	0	0	0	0	0	0	0	0	80- 90	0.0179	747.3	100,100
100	0	0	0	0	0	0	0	0	90-100	0	747.3	100,100
110	0	0	0	0	0	0	0	0	100-110	0	747.3	100,100
120	0	0	0	0	0	0	0	0	110-120	0	747.3	100,100
130	0	0	0	0	0	0	0	0	120-130	0	747.3	100,100
140	0	0	0	0	0	0	0	0	130-140	0	747.3	100,100
150	0	0	0	0	0	0	0	0	140-150	0	747.3	100,100
160	0	0	0	0	0	0	0	0	150-160	0	747.3	100,100
170	0	0	0	0	0	0	0	0	160-170	0	747.3	100,100
180	0	0	0	0	0	0	0	0	170-180	0	747.3	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Zonal (lm)		Total (lm)		Percent
0-10	133.42	0-10	133.42	17.85%
10-20	272.56	0-20	405.98	54.32%
20-30	234.64	0-30	640.62	85.72%
30-40	83.97	0-40	724.59	96.96%
40-50	13.28	0-50	737.87	98.73%
50-60	7.16	0-60	745.03	99.69%
60-70	2.15	0-70	747.18	99.98%
70-80	0.13	0-80	747.31	100.00%
80-90	0.02	0-90	747.33	100.00%
90-100	0.00	0-100	747.33	100.00%
100-110	0.00	0-110	747.33	100.00%
110-120	0.00	0-120	747.33	100.00%
120-130	0.00	0-130	747.33	100.00%
130-140	0.00	0-140	747.33	100.00%
140-150	0.00	0-150	747.33	100.00%
150-160	0.00	0-160	747.33	100.00%
160-170	0.00	0-170	747.33	100.00%
170-180	0.00	0-180	747.33	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	1553	1553	1553	1553	1553	1553	1553	1553	1553	1553	1553	1553	1553	1553	1553	1553	1553	1553	1553
5	1468	1469	1470	1470	1468	1469	1469	1469	1468	1470	1470	1469	1468	1469	1470	1470	1468	1469	1469
10	1258	1260	1261	1261	1260	1256	1253	1256	1260	1261	1261	1260	1258	1260	1261	1261	1260	1256	1253
15	990	990	990	989	986	986	984	986	986	989	990	990	990	990	990	989	986	986	984
20	739	736	733	732	729	729	729	729	732	733	736	739	736	733	732	729	729	729	729
25	530	525	519	517	515	515	516	515	515	517	519	525	530	525	519	517	515	515	516
30	325	319	312	309	309	309	310	309	309	309	312	319	325	319	312	309	309	309	310
35	119	123	126	127	123	117	112	117	123	127	126	123	119	123	126	127	123	117	112
40	31.1	31.5	31.4	31.4	31.1	30.8	30.5	30.8	31.1	31.4	31.4	31.5	31.1	31.5	31.4	31.4	31.1	30.8	30.5
45	15.6	15.8	15.9	16.0	16.0	15.9	15.7	15.9	16.0	16.0	15.9	15.8	15.6	15.8	15.9	16.0	16.0	15.9	15.7
50	11.8	12.0	12.1	12.2	12.0	11.9	11.8	11.9	12.0	12.2	12.1	12.0	11.8	12.0	12.1	12.2	12.0	11.9	11.8
55	7.98	8.10	8.14	8.13	7.96	7.81	7.78	7.81	7.96	8.13	8.14	8.10	7.98	8.10	8.14	8.13	7.96	7.81	7.78
60	4.40	4.43	4.43	4.37	4.30	4.24	4.19	4.24	4.30	4.37	4.43	4.43	4.40	4.43	4.43	4.37	4.30	4.24	4.19
65	2.05	2.07	2.08	2.05	2.02	2.03	1.99	2.03	2.02	2.05	2.08	2.07	2.05	2.07	2.08	2.05	2.02	2.03	1.99
70	0.60	0.61	0.61	0.60	0.58	0.58	0.62	0.58	0.58	0.60	0.61	0.61	0.60	0.61	0.61	0.60	0.58	0.58	0.62
75	0.08	0.08	0.07	0.07	0.07	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.08	0.08	0.07	0.07	0.07	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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	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	1553	1553	1553	1553	1553														
5	1469	1468	1470	1470	1469														
10	1256	1260	1261	1261	1260														
15	986	986	989	990	990														
20	729	729	732	733	736														
25	515	515	517	519	525														
30	309	309	309	312	319														
35	117	123	127	126	123														
40	30.8	31.1	31.4	31.4	31.5														
45	15.9	16.0	16.0	15.9	15.8														
50	11.9	12.0	12.2	12.1	12.0														
55	7.81	7.96	8.13	8.14	8.10														
60	4.24	4.30	4.37	4.43	4.43														
65	2.03	2.02	2.05	2.08	2.07														
70	0.58	0.58	0.60	0.61	0.61														
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	0.01	0.01	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 @8W5000K	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	0.070	8.1	0.968	12.53

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*****