

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		793
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Standard	Premium	81.8
		95	110	
Power (Input Wattage) (W) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Worst Case		9.7
Total Harmonic Distortion (A%) (THD & PF – Section 4.3)	ANSI C82.77:2002 ANSI C82-77-10:2020	20.00%	120V	12.35
Power Factor (THD & PF – Section 4.3)	ANSI C82.77:2002 ANSI C82-77-10:2020	0.9	120V	0.975
Allowable CCTs* (K) (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19	7 steps	2725±145	2770
		4 steps	2725±83	
Chromaticity (D _{uv}) (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19	7 steps	0.0000±0.0060	0.0010
		4 steps	0.0000±0.0033	
Minimum CRI (Integrating Sphere – Section 4.1)	ANSI/IES LM-79 19 CIE13.3-1995	≥80		94.8
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		93
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%		-4
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		0.083
(Goniophotometer – Section 4.2)		Non-Worst Case		N/A
Power (Input Wattage – W)				
(Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Worst Case		9.7
(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 @10W2700K	-	250903027-S1
2	Goniophotometer Test	2025-12-08	PIVOTMB @10W2700K	-	250903027-S1
3	THD and PF Test	2025-12-08	PIVOTMB @10W2700K	-	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 @10W2700K, 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 @10W2700K	Sample ID	250903027-S1
Operate time (Min.)	10	Stabilization time (Min.)	60
Temperature (°C)	25.4	Humidity (%RH)	41.0

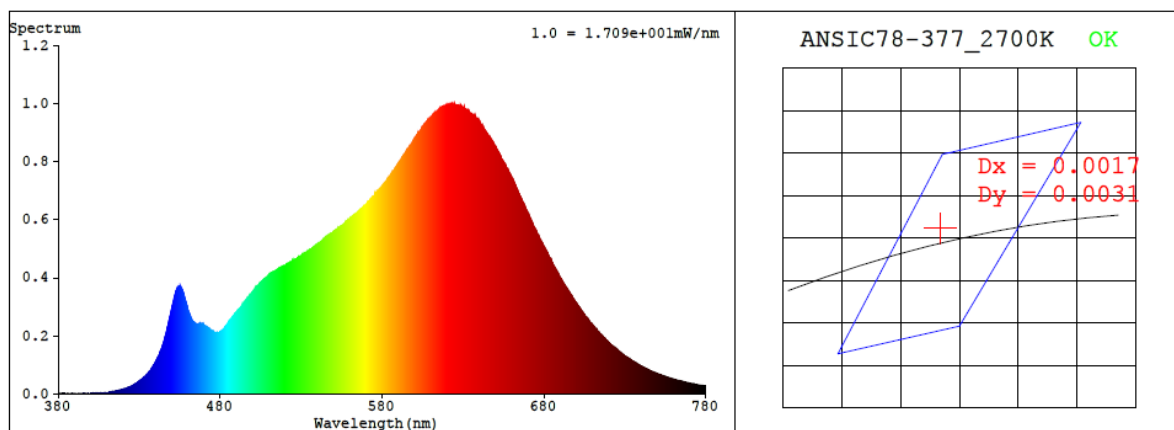
Test Method
<p>The Samples were tested according to the ANSI/IES LM-79:2019.</p> <p>Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at $25\pm1^{\circ}\text{C}$.</p> <p>The sample measurements 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	0.083	9.7	0.975

CCT (K)	CRI	R9	Duv	SDCM	Rf	Rg	IES Rcs,h1
2770	94.8	65	0.0010	2.1	93	97	-4

4.1 Integrating Sphere Test



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4559$ $y = 0.4123$ / $u' = 0.2592$ $v' = 0.5274$ ($duv=1.00e-03$)

CCT= 2770K Prcp WL: $L_d=583.5nm$ Purity=60.6%

Peak WL: $L_p=624nm$ FWHM: $=143.8nm$ Ratio: $R=26.2\%$ $G=71.0\%$ $B=2.8\%$

Render Index: $R_a = 94.8$ $AvgR = 92.9$ $TM30:R_f=93$ $R_g=98$

EEL: 0.15668 A+

R1 =96 R2 =99 R3 =99 R4 =96 R5 =96 R6 =98 R7 =92

R8 =84 R9 =65 R10=97 R11=98 R12=88 R13=97 R14=100 R15=91

4.1 Integrating Sphere Test

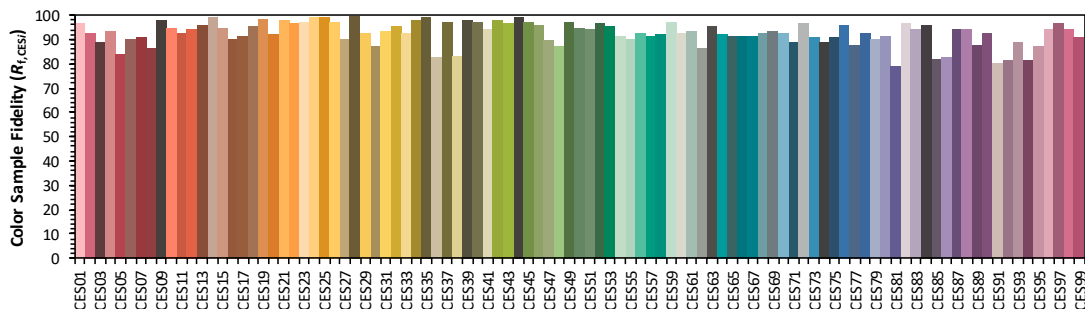
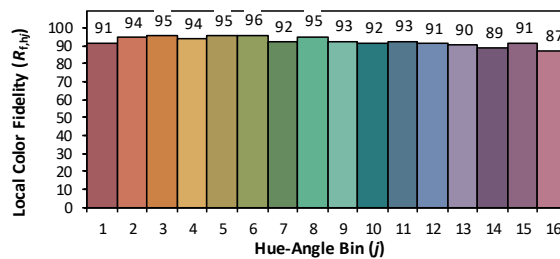
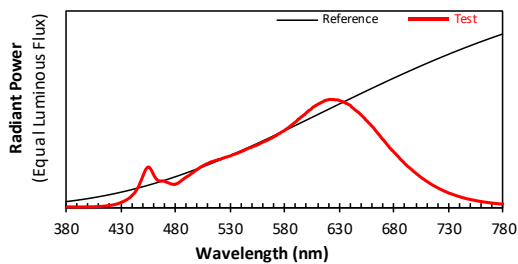
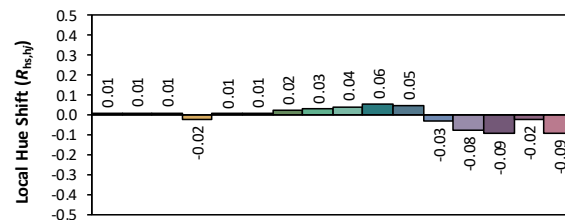
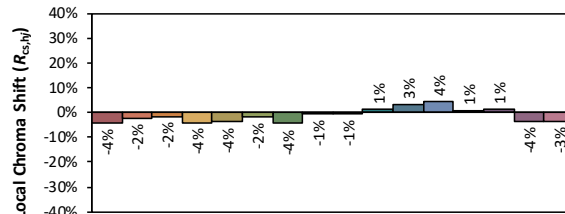
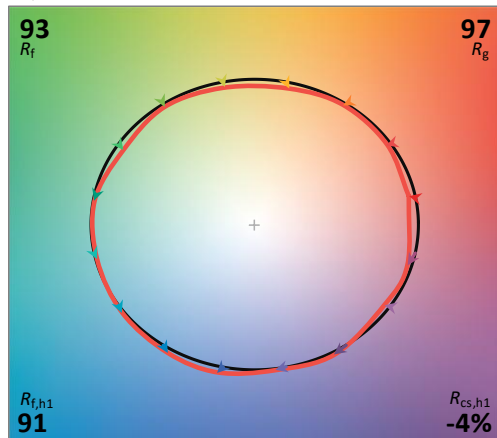
ANSI/IES TM-30-24 Color Rendition Report

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

Make: RAB Lighting Inc.
Model: PIVOTMB @10W2700K
Other: N/A

CCT: 2769 K
 D_{uv} : 0.0010

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	2.10E-03	447	2.21E-01	514	4.23E-01	581	7.22E-01	648	8.70E-01	715	2.05E-01
381	1.30E-03	448	2.44E-01	515	4.27E-01	582	7.29E-01	649	8.61E-01	716	2.00E-01
382	1.20E-03	449	2.69E-01	516	4.31E-01	583	7.36E-01	650	8.51E-01	717	1.94E-01
383	2.60E-03	450	2.94E-01	517	4.33E-01	584	7.44E-01	651	8.41E-01	718	1.89E-01
384	1.60E-03	451	3.19E-01	518	4.37E-01	585	7.51E-01	652	8.31E-01	719	1.83E-01
385	1.50E-03	452	3.43E-01	519	4.42E-01	586	7.61E-01	653	8.21E-01	720	1.78E-01
386	1.90E-03	453	3.57E-01	520	4.42E-01	587	7.67E-01	654	8.07E-01	721	1.72E-01
387	1.10E-03	454	3.68E-01	521	4.45E-01	588	7.77E-01	655	7.99E-01	722	1.67E-01
388	1.80E-03	455	3.71E-01	522	4.50E-01	589	7.84E-01	656	7.88E-01	723	1.62E-01
389	1.60E-03	456	3.64E-01	523	4.54E-01	590	7.92E-01	657	7.77E-01	724	1.58E-01
390	1.30E-03	457	3.50E-01	524	4.56E-01	591	8.01E-01	658	7.68E-01	725	1.53E-01
391	1.40E-03	458	3.33E-01	525	4.61E-01	592	8.13E-01	659	7.56E-01	726	1.47E-01
392	1.10E-03	459	3.12E-01	526	4.62E-01	593	8.19E-01	660	7.46E-01	727	1.44E-01
393	1.50E-03	460	2.91E-01	527	4.65E-01	594	8.27E-01	661	7.36E-01	728	1.39E-01
394	1.90E-03	461	2.76E-01	528	4.69E-01	595	8.37E-01	662	7.22E-01	729	1.35E-01
395	1.50E-03	462	2.61E-01	529	4.72E-01	596	8.42E-01	663	7.09E-01	730	1.30E-01
396	1.60E-03	463	2.51E-01	530	4.74E-01	597	8.53E-01	664	6.96E-01	731	1.27E-01
397	1.90E-03	464	2.46E-01	531	4.79E-01	598	8.57E-01	665	6.84E-01	732	1.23E-01
398	1.80E-03	465	2.42E-01	532	4.85E-01	599	8.69E-01	666	6.72E-01	733	1.20E-01
399	2.00E-03	466	2.41E-01	533	4.87E-01	600	8.78E-01	667	6.60E-01	734	1.16E-01
400	2.00E-03	467	2.42E-01	534	4.91E-01	601	8.87E-01	668	6.46E-01	735	1.12E-01
401	2.30E-03	468	2.42E-01	535	4.96E-01	602	8.97E-01	669	6.33E-01	736	1.09E-01
402	2.30E-03	469	2.41E-01	536	4.98E-01	603	9.01E-01	670	6.23E-01	737	1.06E-01
403	2.90E-03	470	2.37E-01	537	5.03E-01	604	9.08E-01	671	6.11E-01	738	1.02E-01
404	3.20E-03	471	2.33E-01	538	5.07E-01	605	9.20E-01	672	5.99E-01	739	9.97E-02
405	3.10E-03	472	2.29E-01	539	5.11E-01	606	9.28E-01	673	5.86E-01	740	9.62E-02
406	3.60E-03	473	2.26E-01	540	5.15E-01	607	9.34E-01	674	5.73E-01	741	9.31E-02
407	3.90E-03	474	2.21E-01	541	5.19E-01	608	9.41E-01	675	5.62E-01	742	8.98E-02
408	4.30E-03	475	2.17E-01	542	5.23E-01	609	9.45E-01	676	5.48E-01	743	8.69E-02
409	4.80E-03	476	2.14E-01	543	5.28E-01	610	9.53E-01	677	5.40E-01	744	8.46E-02
410	5.40E-03	477	2.11E-01	544	5.36E-01	611	9.57E-01	678	5.26E-01	745	8.14E-02
411	5.70E-03	478	2.11E-01	545	5.38E-01	612	9.63E-01	679	5.18E-01	746	7.88E-02
412	6.50E-03	479	2.10E-01	546	5.43E-01	613	9.68E-01	680	5.06E-01	747	7.62E-02
413	7.90E-03	480	2.14E-01	547	5.47E-01	614	9.73E-01	681	4.97E-01	748	7.41E-02
414	8.40E-03	481	2.18E-01	548	5.50E-01	615	9.78E-01	682	4.86E-01	749	7.24E-02
415	9.70E-03	482	2.22E-01	549	5.53E-01	616	9.84E-01	683	4.74E-01	750	7.00E-02
416	1.11E-02	483	2.31E-01	550	5.59E-01	617	9.88E-01	684	4.65E-01	751	6.79E-02
417	1.17E-02	484	2.37E-01	551	5.63E-01	618	9.91E-01	685	4.52E-01	752	6.58E-02
418	1.37E-02	485	2.46E-01	552	5.67E-01	619	9.93E-01	686	4.41E-01	753	6.36E-02
419	1.49E-02	486	2.54E-01	553	5.68E-01	620	9.96E-01	687	4.32E-01	754	6.20E-02
420	1.63E-02	487	2.59E-01	554	5.76E-01	621	9.96E-01	688	4.22E-01	755	5.95E-02
421	1.79E-02	488	2.68E-01	555	5.78E-01	622	9.98E-01	689	4.12E-01	756	5.75E-02
422	1.98E-02	489	2.76E-01	556	5.82E-01	623	9.97E-01	690	4.00E-01	757	5.60E-02
423	2.21E-02	490	2.82E-01	557	5.88E-01	624	9.95E-01	691	3.92E-01	758	5.41E-02
424	2.38E-02	491	2.88E-01	558	5.95E-01	625	9.97E-01	692	3.80E-01	759	5.25E-02
425	2.69E-02	492	2.94E-01	559	5.99E-01	626	9.94E-01	693	3.73E-01	760	5.08E-02
426	2.93E-02	493	3.00E-01	560	6.05E-01	627	9.94E-01	694	3.65E-01	761	4.94E-02
427	3.28E-02	494	3.09E-01	561	6.08E-01	628	9.93E-01	695	3.56E-01	762	4.75E-02
428	3.62E-02	495	3.16E-01	562	6.13E-01	629	9.91E-01	696	3.47E-01	763	4.62E-02
429	4.03E-02	496	3.23E-01	563	6.16E-01	630	9.87E-01	697	3.39E-01	764	4.51E-02
430	4.43E-02	497	3.30E-01	564	6.21E-01	631	9.82E-01	698	3.29E-01	765	4.37E-02
431	4.87E-02	498	3.39E-01	565	6.27E-01	632	9.79E-01	699	3.21E-01	766	4.20E-02
432	5.26E-02	499	3.44E-01	566	6.31E-01	633	9.77E-01	700	3.13E-01	767	4.07E-02
433	5.81E-02	500	3.52E-01	567	6.37E-01	634	9.70E-01	701	3.04E-01	768	3.94E-02
434	6.28E-02	501	3.59E-01	568	6.41E-01	635	9.65E-01	702	2.97E-01	769	3.83E-02
435	6.85E-02	502	3.68E-01	569	6.48E-01	636	9.61E-01	703	2.88E-01	770	3.71E-02
436	7.56E-02	503	3.73E-01	570	6.52E-01	637	9.59E-01	704	2.81E-01	771	3.61E-02
437	8.26E-02	504	3.78E-01	571	6.60E-01	638	9.50E-01	705	2.72E-01	772	3.47E-02
438	9.01E-02	505	3.84E-01	572	6.63E-01	639	9.47E-01	706	2.65E-01	773	3.35E-02
439	9.98E-02	506	3.89E-01	573	6.72E-01	640	9.41E-01	707	2.59E-01	774	3.26E-02
440	1.10E-01	507	3.95E-01	574	6.78E-01	641	9.27E-01	708	2.51E-01	775	3.16E-02
441	1.20E-01	508	4.00E-01	575	6.82E-01	642	9.19E-01	709	2.44E-01	776	3.03E-02
442	1.30E-01	509	4.02E-01	576	6.90E-01	643	9.12E-01	710	2.38E-01	777	2.98E-02
443	1.45E-01	510	4.08E-01	577	6.96E-01	644	9.02E-01	711	2.31E-01	778	2.90E-02
444	1.61E-01	511	4.13E-01	578	7.02E-01	645	8.95E-01	712	2.24E-01	779	2.92E-02
445	1.77E-01	512	4.19E-01	579	7.06E-01	646	8.86E-01	713	2.18E-01	780	2.92E-02
446	1.96E-01	513	4.21E-01	580	7.15E-01	647	8.80E-01	714	2.12E-01	N/A	N/A

4.0 LM-79 Measurement and Test Results

4.2 Goniophotometer Test

Model No.	PIVOTMB @10W2700K	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	0.083	9.7	0.975
NON-WORST CASE	N/A	N/A	N/A	N/A	N/A

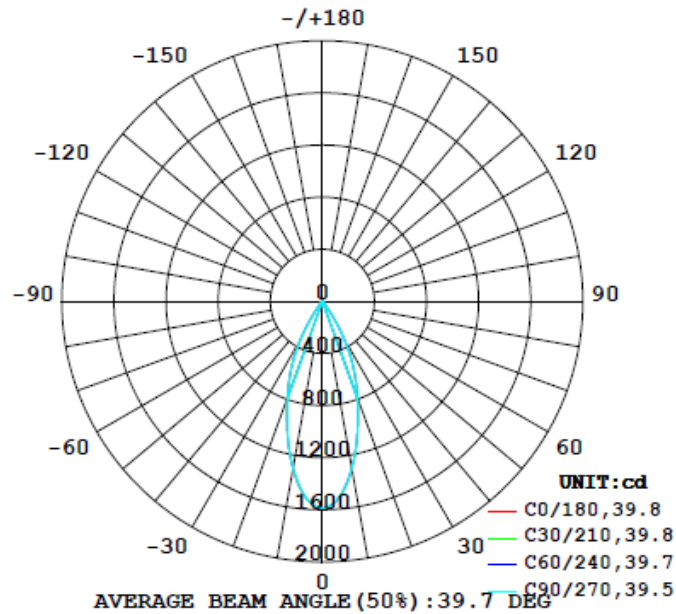
Test Result

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°)
793	69.7	68.9	39.8	39.6	81.8	100.0%

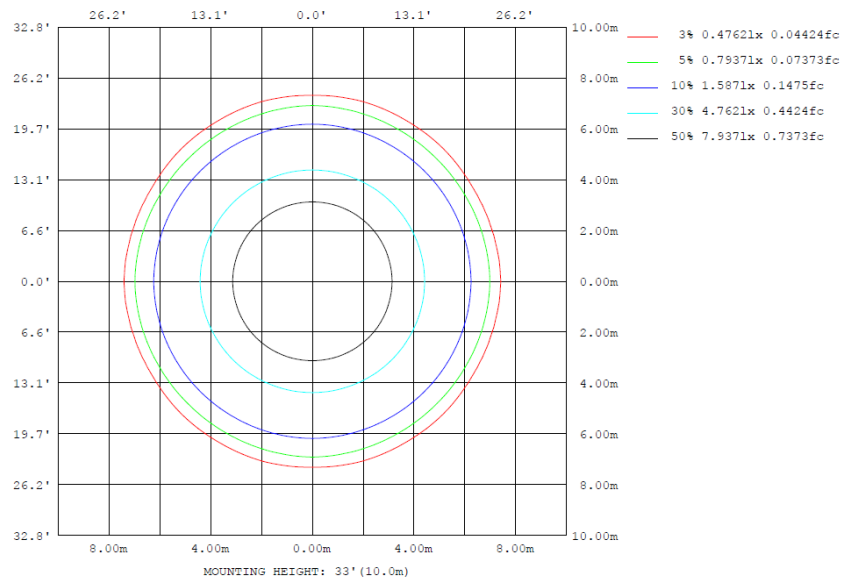
4.2 Goniophotometer Test

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	1309	1299	1302	1299	1309	1299	1302	1299	0- 10	137.2	137.2	17.3,17.3
20	788.5	786.9	783.0	786.9	788.5	786.9	783.0	786.9	10- 20	287.3	424.5	53.5,53.5
30	345.8	339.8	331.4	339.8	345.8	339.8	331.4	339.8	20- 30	254.9	679.4	85.7,85.7
40	33.56	32.98	32.73	32.98	33.56	32.98	32.73	32.98	30- 40	89.35	768.8	96.9,96.9
50	12.67	13.01	12.67	13.01	12.67	13.01	12.67	13.01	40- 50	14.18	783.0	98.7,98.7
60	4.703	4.677	4.490	4.677	4.703	4.677	4.490	4.677	50- 60	7.674	790.6	99.7,99.7
70	0.6458	0.6562	0.6724	0.6562	0.6458	0.6562	0.6724	0.6562	60- 70	2.302	792.9	100,100
80	0.0482	0.0431	0.0377	0.0431	0.0482	0.0431	0.0377	0.0431	70- 80	0.1433	793.1	100,100
90	0	0	0	0	0	0	0	0	80- 90	0.0190	793.1	100,100
100	0	0	0	0	0	0	0	0	90-100	0	793.1	100,100
110	0	0	0	0	0	0	0	0	100-110	0	793.1	100,100
120	0	0	0	0	0	0	0	0	110-120	0	793.1	100,100
130	0	0	0	0	0	0	0	0	120-130	0	793.1	100,100
140	0	0	0	0	0	0	0	0	130-140	0	793.1	100,100
150	0	0	0	0	0	0	0	0	140-150	0	793.1	100,100
160	0	0	0	0	0	0	0	0	150-160	0	793.1	100,100
170	0	0	0	0	0	0	0	0	160-170	0	793.1	100,100
180	0	0	0	0	0	0	0	0	170-180	0	793.1	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Zonal (lm)		Total (lm)		Percent
0-10	137.22	0-10	137.22	17.30%
10-20	287.32	0-20	424.54	53.53%
20-30	254.88	0-30	679.42	85.67%
30-40	89.35	0-40	768.77	96.93%
40-50	14.18	0-50	782.95	98.72%
50-60	7.67	0-60	790.62	99.69%
60-70	2.30	0-70	792.92	99.98%
70-80	0.14	0-80	793.06	100.00%
80-90	0.02	0-90	793.08	100.00%
90-100	0.00	0-100	793.08	100.00%
100-110	0.00	0-110	793.08	100.00%
110-120	0.00	0-120	793.08	100.00%
120-130	0.00	0-130	793.08	100.00%
130-140	0.00	0-140	793.08	100.00%
140-150	0.00	0-150	793.08	100.00%
150-160	0.00	0-160	793.08	100.00%
160-170	0.00	0-170	793.08	100.00%
170-180	0.00	0-180	793.08	100.00%

4.2 Goniophotometer Test

Luminous Distribution Intensity Data

Table--1

UNIT: cd

C (DEG) y	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1587	1587	1587	1587	1587	1587	1587	1587	1587	1587	1587	1587	1587	1587	1587	1587	1587	1587	1587
5	1512	1510	1509	1508	1505	1506	1507	1506	1505	1508	1509	1510	1512	1510	1509	1508	1505	1506	1507
10	1309	1306	1302	1299	1298	1299	1302	1299	1298	1299	1302	1306	1309	1306	1302	1299	1298	1299	1302
15	1044	1043	1042	1041	1039	1041	1039	1041	1039	1041	1042	1043	1044	1043	1042	1041	1039	1041	1039
20	788	788	788	787	786	784	783	784	786	787	788	788	788	788	787	786	784	783	784
25	573	571	567	566	563	561	560	561	563	566	567	571	573	571	567	566	563	561	560
30	346	344	341	340	338	334	331	334	338	340	341	344	346	344	341	340	338	334	331
35	141	134	126	122	121	125	130	125	121	122	126	134	141	134	126	122	121	125	130
40	33.6	33.4	33.1	33.0	32.8	32.5	32.7	32.5	32.8	33.0	33.1	33.4	33.6	33.4	33.1	33.0	32.8	32.5	32.7
45	16.8	16.9	17.1	17.1	17.1	17.0	16.9	17.0	17.1	17.1	17.1	16.9	16.8	16.9	17.1	17.1	17.0	16.9	16.9
50	12.7	12.8	13.0	13.0	12.9	12.7	12.7	12.7	12.9	13.0	13.0	12.8	12.7	12.8	13.0	13.0	12.9	12.7	12.7
55	8.57	8.67	8.73	8.70	8.55	8.38	8.35	8.38	8.55	8.70	8.73	8.67	8.57	8.67	8.73	8.70	8.55	8.38	8.35
60	4.70	4.74	4.74	4.68	4.61	4.54	4.49	4.54	4.61	4.68	4.74	4.74	4.70	4.74	4.74	4.68	4.61	4.54	4.49
65	2.20	2.22	2.22	2.20	2.17	2.18	2.13	2.18	2.17	2.20	2.22	2.22	2.20	2.22	2.22	2.20	2.17	2.18	2.13
70	0.65	0.65	0.66	0.66	0.63	0.63	0.67	0.63	0.63	0.66	0.66	0.65	0.65	0.65	0.66	0.66	0.63	0.63	0.67
75	0.09	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.09	0.08	0.08	0.08	0.07	0.07	0.07
80	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04
85	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	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	285	300	315	330	345														
0	1587	1587	1587	1587	1587														
5	1506	1505	1508	1509	1510														
10	1299	1298	1299	1302	1306														
15	1041	1039	1041	1042	1043														
20	784	786	787	788	788														
25	561	563	566	567	571														
30	334	338	340	341	344														
35	125	121	122	126	134														
40	32.5	32.8	33.0	33.1	33.4														
45	17.0	17.1	17.1	17.1	16.9														
50	12.7	12.9	13.0	13.0	12.8														
55	8.38	8.55	8.70	8.73	8.67														
60	4.54	4.61	4.68	4.74	4.74														
65	2.18	2.17	2.20	2.22	2.22														
70	0.63	0.63	0.66	0.66	0.65														
75	0.07	0.07	0.08	0.08	0.08														
80	0.04	0.04	0.04	0.04	0.05														
85	0.01	0.01	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 @10W2700K	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	0.083	9.7	0.975	12.35

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*****