

## Photometric Test Report

### Relevant Standards

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

Prepared For

**RAB Lighting Inc.**

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Prepared By

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Date: 2025-12-10

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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		668
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Standard	Premium	83.5
		95	110	
Power (Input Wattage) (W) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Worst Case		8.0
Total Harmonic Distortion (A%) (THD & PF – Section 4.3)	ANSI C82.77:2002 ANSI C82-77-10:2020	20.00%	120V	12.72
Power Factor (THD & PF – Section 4.3)	ANSI C82.77:2002 ANSI C82-77-10:2020	0.9	120V	0.967
Allowable CCTs* (K) (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19	7 steps	2725±145	2771
		4 steps	2725±83	
Chromaticity (D <sub>uv</sub> ) (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19	7 steps	0.0000±0.0060	0.0009
		4 steps	0.0000±0.0033	
Minimum CRI (Integrating Sphere – Section 4.1)	ANSI/IES LM-79 19 CIE13.3-1995	≥80		94.9
Minimum R9 (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19 CIE13.3-1995	≥0		66
Minimum Rf (Integrating Sphere – Section 4.1)	ANSI/IES TM-30-24	≥70		92
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		0.069
(Goniophotometer – Section 4.2)		Non-Worst Case		N/A
Power (Input Wattage – W)				
(Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Worst Case		8.0
(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 @8W2700K	-	250903027-S1
2	Goniophotometer Test	2025-12-08	PIVOTMB @8W2700K	-	250903027-S1
3	THD and PF Test	2025-12-08	PIVOTMB @8W2700K	-	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 @8W2700K, 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

<b>Model No.</b>	PIVOTMB @8W2700K	<b>Sample ID</b>	250903027-S1
<b>Operate time (Min.)</b>	10	<b>Stabilization time (Min.)</b>	60
<b>Temperature (°C)</b>	25.4	<b>Humidity (%RH)</b>	41.0

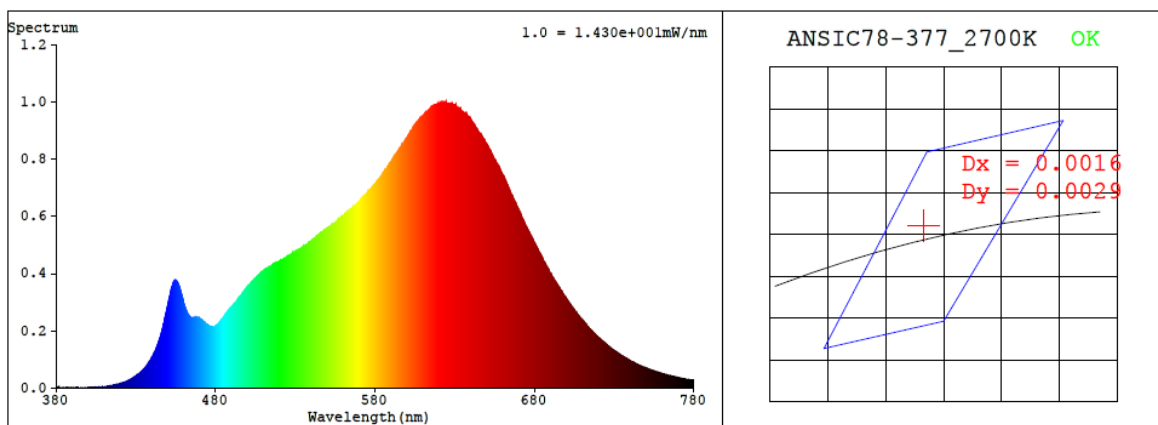
<b>Test Method</b>
<p>The Samples were tested according to the ANSI/IES LM-79:2019.</p> <p>Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at 25±1°C.</p> <p>The sample measurements were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

<b>Voltage (Vac)</b>	<b>Frequency (Hz)</b>	<b>Current (A)</b>	<b>Power (W)</b>	<b>Power Factor</b>
120.0	60	0.069	8.0	0.967

<b>CCT (K)</b>	<b>CRI</b>	<b>R9</b>	<b>Duv</b>	<b>SDCM</b>	<b>Rf</b>	<b>Rg</b>	<b>IES Rcs,h1</b>
2771	94.9	66	0.0009	2.1	92	97	-4%

## 4.1 Integrating Sphere Test



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4557$   $y = 0.4122$  /  $u' = 0.2591$   $v' = 0.5273$  ( $duv=9.48e-04$ )

CCT= 2771K Prcp WL:  $L_d=583.5nm$  Purity=60.5%

Peak WL:  $L_p=624nm$  FWHM:  $=143.6nm$  Ratio:R=26.3% G=70.9% B=2.8%

Render Index:  $R_a = 94.9$  AvgR = 93.1 TM30:Rf=93 Rg=98

EEL: 0.14766 A+

R1 =96 R2 =99 R3 =99 R4 =96 R5 =96 R6 =97 R7 =92  
R8 =84 R9 =66 R10=97 R11=98 R12=88 R13=97 R14=100 R15=91

## 4.1 Integrating Sphere Test

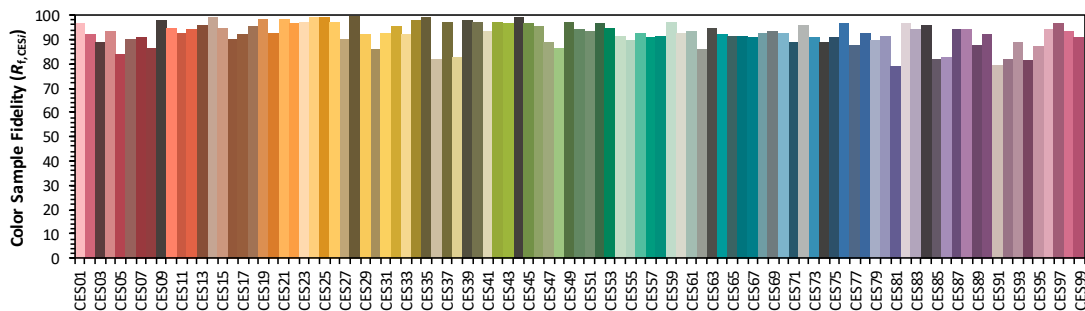
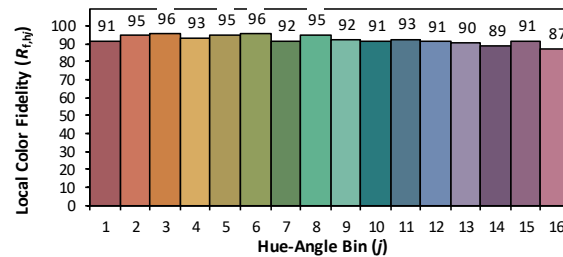
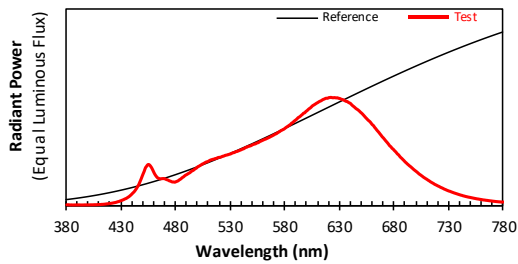
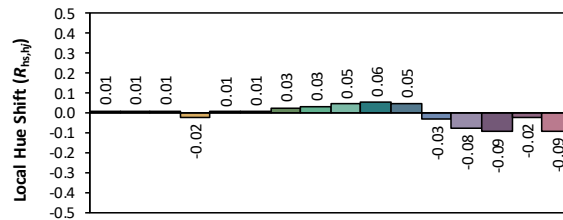
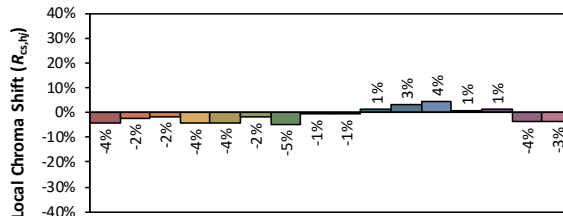
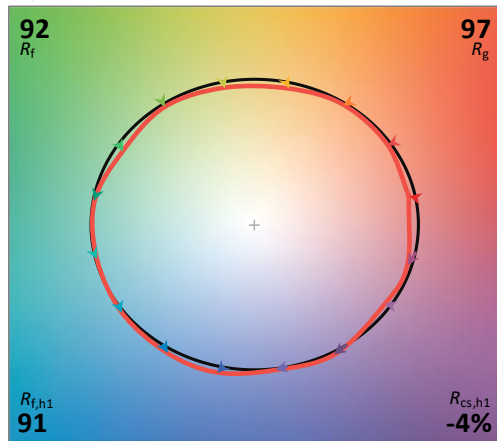
### ANSI/IES TM-30-24 Color Rendition Report

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

Make: RAB Lighting Inc.  
Model: PIVOTMB @8W2700K  
Other: N/A

CCT: 2770 K  
 $D_{uv}$ : 0.0009

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	2.90E-03	447	2.15E-01	514	4.25E-01	581	7.20E-01	648	8.72E-01	715	2.05E-01
381	3.10E-03	448	2.39E-01	515	4.26E-01	582	7.27E-01	649	8.62E-01	716	2.00E-01
382	2.60E-03	449	2.66E-01	516	4.31E-01	583	7.33E-01	650	8.53E-01	717	1.93E-01
383	9.00E-04	450	2.91E-01	517	4.32E-01	584	7.41E-01	651	8.43E-01	718	1.88E-01
384	1.90E-03	451	3.15E-01	518	4.38E-01	585	7.48E-01	652	8.32E-01	719	1.83E-01
385	1.00E-03	452	3.44E-01	519	4.41E-01	586	7.59E-01	653	8.21E-01	720	1.77E-01
386	1.00E-03	453	3.58E-01	520	4.42E-01	587	7.64E-01	654	8.09E-01	721	1.73E-01
387	1.30E-03	454	3.72E-01	521	4.44E-01	588	7.75E-01	655	7.99E-01	722	1.67E-01
388	1.60E-03	455	3.76E-01	522	4.49E-01	589	7.83E-01	656	7.88E-01	723	1.62E-01
389	1.80E-03	456	3.69E-01	523	4.53E-01	590	7.90E-01	657	7.79E-01	724	1.58E-01
390	1.40E-03	457	3.57E-01	524	4.55E-01	591	8.00E-01	658	7.70E-01	725	1.53E-01
391	1.80E-03	458	3.40E-01	525	4.60E-01	592	8.10E-01	659	7.57E-01	726	1.48E-01
392	1.40E-03	459	3.20E-01	526	4.62E-01	593	8.16E-01	660	7.44E-01	727	1.44E-01
393	8.00E-04	460	2.98E-01	527	4.65E-01	594	8.23E-01	661	7.36E-01	728	1.39E-01
394	1.10E-03	461	2.80E-01	528	4.68E-01	595	8.33E-01	662	7.21E-01	729	1.35E-01
395	1.10E-03	462	2.66E-01	529	4.71E-01	596	8.41E-01	663	7.09E-01	730	1.30E-01
396	1.70E-03	463	2.54E-01	530	4.74E-01	597	8.52E-01	664	6.96E-01	731	1.28E-01
397	2.10E-03	464	2.49E-01	531	4.79E-01	598	8.55E-01	665	6.84E-01	732	1.24E-01
398	1.80E-03	465	2.44E-01	532	4.84E-01	599	8.67E-01	666	6.73E-01	733	1.20E-01
399	1.90E-03	466	2.44E-01	533	4.86E-01	600	8.74E-01	667	6.59E-01	734	1.16E-01
400	1.80E-03	467	2.45E-01	534	4.89E-01	601	8.83E-01	668	6.47E-01	735	1.12E-01
401	1.90E-03	468	2.46E-01	535	4.96E-01	602	8.92E-01	669	6.33E-01	736	1.09E-01
402	2.50E-03	469	2.45E-01	536	4.97E-01	603	8.99E-01	670	6.23E-01	737	1.06E-01
403	2.30E-03	470	2.43E-01	537	5.01E-01	604	9.08E-01	671	6.11E-01	738	1.02E-01
404	2.50E-03	471	2.38E-01	538	5.05E-01	605	9.19E-01	672	5.98E-01	739	9.88E-02
405	3.10E-03	472	2.34E-01	539	5.10E-01	606	9.25E-01	673	5.86E-01	740	9.57E-02
406	3.40E-03	473	2.31E-01	540	5.13E-01	607	9.31E-01	674	5.75E-01	741	9.23E-02
407	3.40E-03	474	2.24E-01	541	5.19E-01	608	9.38E-01	675	5.61E-01	742	9.01E-02
408	4.00E-03	475	2.22E-01	542	5.21E-01	609	9.45E-01	676	5.48E-01	743	8.64E-02
409	5.20E-03	476	2.17E-01	543	5.28E-01	610	9.50E-01	677	5.40E-01	744	8.40E-02
410	4.80E-03	477	2.14E-01	544	5.34E-01	611	9.57E-01	678	5.26E-01	745	8.11E-02
411	5.20E-03	478	2.14E-01	545	5.37E-01	612	9.62E-01	679	5.19E-01	746	7.86E-02
412	6.70E-03	479	2.12E-01	546	5.43E-01	613	9.67E-01	680	5.07E-01	747	7.63E-02
413	6.60E-03	480	2.16E-01	547	5.45E-01	614	9.73E-01	681	4.97E-01	748	7.38E-02
414	7.70E-03	481	2.21E-01	548	5.48E-01	615	9.79E-01	682	4.86E-01	749	7.21E-02
415	8.80E-03	482	2.25E-01	549	5.52E-01	616	9.83E-01	683	4.73E-01	750	7.00E-02
416	1.03E-02	483	2.33E-01	550	5.58E-01	617	9.88E-01	684	4.66E-01	751	6.78E-02
417	1.16E-02	484	2.39E-01	551	5.62E-01	618	9.90E-01	685	4.52E-01	752	6.57E-02
418	1.25E-02	485	2.47E-01	552	5.65E-01	619	9.90E-01	686	4.41E-01	753	6.35E-02
419	1.43E-02	486	2.56E-01	553	5.68E-01	620	9.95E-01	687	4.32E-01	754	6.16E-02
420	1.53E-02	487	2.62E-01	554	5.75E-01	621	9.97E-01	688	4.21E-01	755	5.95E-02
421	1.69E-02	488	2.71E-01	555	5.77E-01	622	9.98E-01	689	4.12E-01	756	5.75E-02
422	1.89E-02	489	2.78E-01	556	5.82E-01	623	9.96E-01	690	4.00E-01	757	5.61E-02
423	2.10E-02	490	2.84E-01	557	5.89E-01	624	9.94E-01	691	3.91E-01	758	5.42E-02
424	2.30E-02	491	2.90E-01	558	5.93E-01	625	9.96E-01	692	3.81E-01	759	5.25E-02
425	2.50E-02	492	2.96E-01	559	5.98E-01	626	9.95E-01	693	3.73E-01	760	5.09E-02
426	2.85E-02	493	3.02E-01	560	6.02E-01	627	9.93E-01	694	3.64E-01	761	4.90E-02
427	3.16E-02	494	3.12E-01	561	6.08E-01	628	9.94E-01	695	3.56E-01	762	4.73E-02
428	3.41E-02	495	3.18E-01	562	6.11E-01	629	9.89E-01	696	3.47E-01	763	4.64E-02
429	3.87E-02	496	3.23E-01	563	6.16E-01	630	9.88E-01	697	3.38E-01	764	4.45E-02
430	4.18E-02	497	3.31E-01	564	6.20E-01	631	9.83E-01	698	3.29E-01	765	4.37E-02
431	4.65E-02	498	3.38E-01	565	6.25E-01	632	9.79E-01	699	3.21E-01	766	4.20E-02
432	5.02E-02	499	3.45E-01	566	6.30E-01	633	9.77E-01	700	3.13E-01	767	4.07E-02
433	5.59E-02	500	3.55E-01	567	6.36E-01	634	9.71E-01	701	3.05E-01	768	3.93E-02
434	5.97E-02	501	3.60E-01	568	6.40E-01	635	9.66E-01	702	2.96E-01	769	3.82E-02
435	6.52E-02	502	3.66E-01	569	6.46E-01	636	9.61E-01	703	2.87E-01	770	3.67E-02
436	7.20E-02	503	3.72E-01	570	6.51E-01	637	9.59E-01	704	2.80E-01	771	3.55E-02
437	7.84E-02	504	3.79E-01	571	6.58E-01	638	9.52E-01	705	2.73E-01	772	3.43E-02
438	8.70E-02	505	3.83E-01	572	6.61E-01	639	9.46E-01	706	2.65E-01	773	3.31E-02
439	9.59E-02	506	3.89E-01	573	6.69E-01	640	9.41E-01	707	2.57E-01	774	3.21E-02
440	1.07E-01	507	3.95E-01	574	6.75E-01	641	9.30E-01	708	2.51E-01	775	3.11E-02
441	1.16E-01	508	4.00E-01	575	6.81E-01	642	9.20E-01	709	2.44E-01	776	3.01E-02
442	1.27E-01	509	4.02E-01	576	6.89E-01	643	9.12E-01	710	2.38E-01	777	2.96E-02
443	1.41E-01	510	4.08E-01	577	6.94E-01	644	9.04E-01	711	2.31E-01	778	2.85E-02
444	1.56E-01	511	4.14E-01	578	6.99E-01	645	8.94E-01	712	2.25E-01	779	2.85E-02
445	1.73E-01	512	4.18E-01	579	7.04E-01	646	8.88E-01	713	2.17E-01	780	2.85E-02
446	1.91E-01	513	4.21E-01	580	7.12E-01	647	8.81E-01	714	2.11E-01	N/A	N/A



## 4.0 LM-79 Measurement and Test Results

### 4.2 Goniophotometer Test

<b>Model No.</b>	PIVOTMB @8W2700K	<b>Sample ID</b>	250903027-S1
<b>Operate time (Min.)</b>	30	<b>Stabilization time (Min.)</b>	60
<b>Temperature (°C)</b>	25.0	<b>Humidity (%RH)</b>	42.1

<b>Test Method</b>
<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 <math>25 \pm 1^\circ\text{C}</math>, 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 <math>\pm 0.2</math> 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 <math>1.0^\circ</math> vertical intervals and <math>15^\circ</math> horizontal intervals.</p>

### Test Conditions

Condition	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
<b>WORST CASE</b>	120.0	60	0.069	8.0	0.967
<b>NON-WORST CASE</b>	N/A	N/A	N/A	N/A	N/A

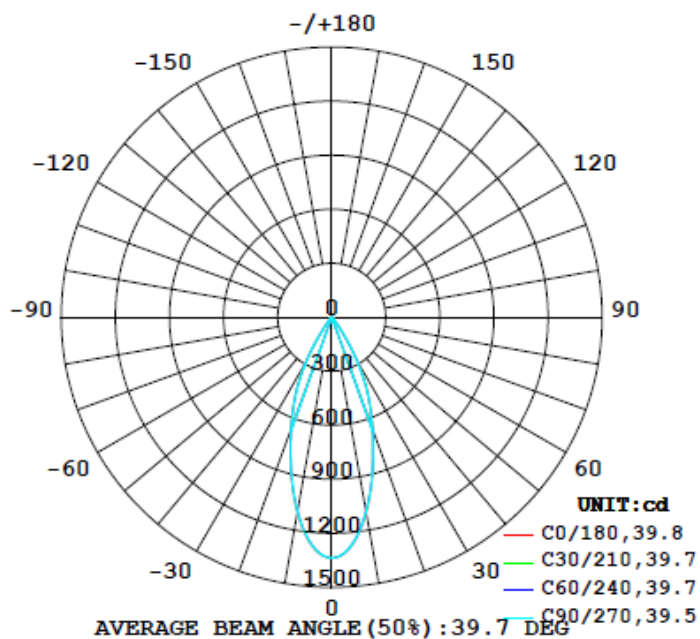
### Test Result

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°)
668	69.5	68.9	39.8	39.6	83.5	100.0%

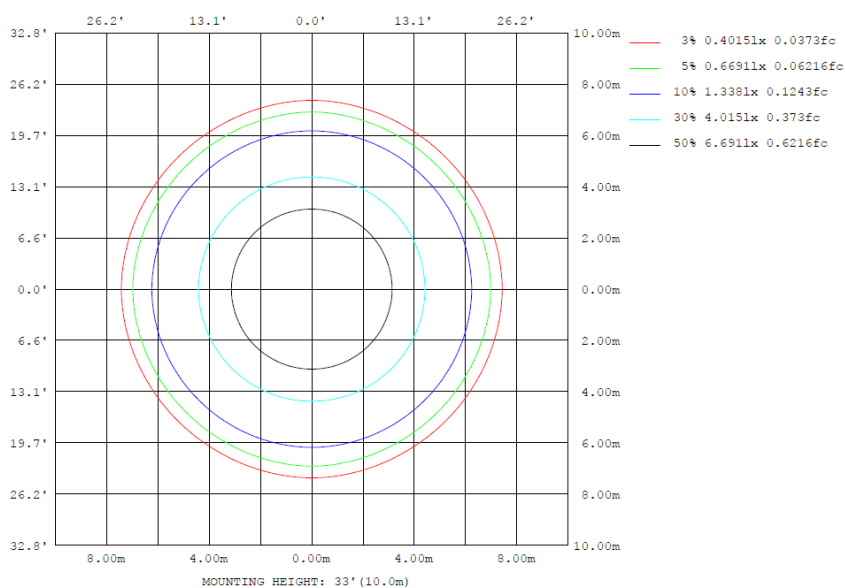
## 4.2 Goniophotometer Test

### 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	± zone	± total	%lum, lamp
10	1103	1095	1098	1095	1103	1095	1098	1095	0- 10	115.7	115.7	17.3,17.3
20	664.6	663.6	659.7	663.6	664.6	663.6	659.7	663.6	10- 20	242.1	357.8	53.5,53.5
30	291.2	285.7	279.1	285.7	291.2	285.7	279.1	285.7	20- 30	214.7	572.4	85.7,85.7
40	28.22	27.75	27.57	27.75	28.22	27.75	27.57	27.75	30- 40	75.21	647.6	96.9,96.9
50	10.65	10.94	10.64	10.94	10.65	10.94	10.64	10.94	40- 50	11.94	659.6	98.7,98.7
60	3.953	3.932	3.774	3.932	3.953	3.932	3.774	3.932	50- 60	6.448	666.0	99.7,99.7
70	0.5423	0.5484	0.5640	0.5484	0.5423	0.5484	0.5640	0.5484	60- 70	1.934	668.0	100,100
80	0.0400	0.0353	0.0315	0.0353	0.0400	0.0353	0.0315	0.0353	70- 80	0.1198	668.1	100,100
90	0	0	0	0	0	0	0	0	80- 90	0.0158	668.1	100,100
100	0	0	0	0	0	0	0	0	90-100	0	668.1	100,100
110	0	0	0	0	0	0	0	0	100-110	0	668.1	100,100
120	0	0	0	0	0	0	0	0	110-120	0	668.1	100,100
130	0	0	0	0	0	0	0	0	120-130	0	668.1	100,100
140	0	0	0	0	0	0	0	0	130-140	0	668.1	100,100
150	0	0	0	0	0	0	0	0	140-150	0	668.1	100,100
160	0	0	0	0	0	0	0	0	150-160	0	668.1	100,100
170	0	0	0	0	0	0	0	0	160-170	0	668.1	100,100
180	0	0	0	0	0	0	0	0	170-180	0	668.1	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

	Zonal (lm)		Total (lm)	Percent
0-10	115.65	0-10	115.65	17.31%
10-20	242.10	0-20	357.75	53.55%
20-30	214.68	0-30	572.43	85.68%
30-40	75.21	0-40	647.64	96.94%
40-50	11.94	0-50	659.58	98.72%
50-60	6.45	0-60	666.03	99.69%
60-70	1.93	0-70	667.96	99.98%
70-80	0.12	0-80	668.08	100.00%
80-90	0.02	0-90	668.10	100.00%
90-100	0.00	0-100	668.10	100.00%
100-110	0.00	0-110	668.10	100.00%
110-120	0.00	0-120	668.10	100.00%
120-130	0.00	0-130	668.10	100.00%
130-140	0.00	0-140	668.10	100.00%
140-150	0.00	0-150	668.10	100.00%
150-160	0.00	0-160	668.10	100.00%
160-170	0.00	0-170	668.10	100.00%
170-180	0.00	0-180	668.10	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	1338	1338	1338	1338	1338	1338	1338	1338	1338	1338	1338	1338	1338	1338	1338	1338	1338	1338	1338
5	1275	1273	1272	1270	1269	1269	1271	1269	1269	1270	1272	1273	1275	1273	1272	1270	1269	1269	1271
10	1103	1101	1097	1095	1094	1095	1098	1095	1094	1095	1097	1101	1103	1101	1097	1095	1094	1095	1098
15	879	879	877	877	875	877	875	877	875	877	877	879	879	879	877	875	877	875	879
20	665	664	664	664	662	660	660	660	662	664	664	664	665	664	664	664	662	660	660
25	482	481	478	477	475	473	472	473	475	477	478	481	482	481	478	477	475	473	472
30	291	289	287	286	284	281	279	281	284	286	287	289	291	289	287	286	284	281	279
35	119	112	106	102	101	105	110	105	101	102	106	112	119	112	106	102	101	105	110
40	28.2	28.1	27.9	27.8	27.6	27.4	27.6	27.4	27.6	27.8	27.9	28.1	28.2	28.1	27.9	27.8	27.6	27.4	27.6
45	14.1	14.3	14.4	14.4	14.4	14.3	14.2	14.3	14.4	14.4	14.4	14.3	14.1	14.3	14.4	14.4	14.4	14.3	14.2
50	10.6	10.8	10.9	10.9	10.8	10.7	10.6	10.7	10.8	10.9	10.9	10.8	10.6	10.8	10.9	10.9	10.8	10.7	10.6
55	7.21	7.30	7.33	7.32	7.17	7.04	7.02	7.04	7.17	7.32	7.33	7.30	7.21	7.30	7.33	7.32	7.17	7.04	7.02
60	3.95	3.99	3.99	3.93	3.87	3.82	3.77	3.82	3.87	3.93	3.99	3.99	3.95	3.99	3.99	3.93	3.87	3.82	3.77
65	1.85	1.87	1.87	1.85	1.82	1.83	1.79	1.83	1.82	1.85	1.87	1.87	1.85	1.87	1.87	1.85	1.82	1.83	1.79
70	0.54	0.55	0.55	0.55	0.53	0.53	0.56	0.53	0.53	0.55	0.55	0.55	0.54	0.55	0.55	0.55	0.53	0.53	0.56
75	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06
80	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	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) y (DEG)	285	300	315	330	345														
0	1338	1338	1338	1338	1338														
5	1269	1269	1270	1272	1273														
10	1095	1094	1095	1097	1101														
15	877	875	877	877	879														
20	660	662	664	664	664														
25	473	475	477	478	481														
30	281	284	286	287	289														
35	105	101	102	106	112														
40	27.4	27.6	27.8	27.9	28.1														
45	14.3	14.4	14.4	14.4	14.3														
50	10.7	10.8	10.9	10.9	10.8														
55	7.04	7.17	7.32	7.33	7.30														
60	3.82	3.87	3.93	3.99	3.99														
65	1.83	1.82	1.85	1.87	1.87														
70	0.53	0.53	0.55	0.55	0.55														
75	0.06	0.06	0.07	0.07	0.07														
80	0.03	0.03	0.04	0.04	0.04														
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

<b>Model No.</b>	PIVOTMB @8W2700K	<b>Sample ID</b>	250903027-S1
<b>Temperature (°C)</b>	25.4	<b>Humidity (%RH)</b>	41.0

<b>Test Method</b>
<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 <math>25 \pm 1^\circ\text{C}</math>. 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	0.069	8.0	0.967	12.72

## 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\*\*\*\*\*