

## 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		527
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Standard	Premium	92.5
		95	110	
Power (Input Wattage) (W) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Worst Case		5.7
Total Harmonic Distortion (A%) (THD & PF – Section 4.3)	ANSI C82.77:2002 ANSI C82-77-10:2020	20.00%	120V	14.30
Power Factor (THD & PF – Section 4.3)	ANSI C82.77:2002 ANSI C82-77-10:2020	0.9	120V	0.945
Allowable CCTs* (K) (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19	7 steps	3465±245	3541
		4 steps	3465±124	
Chromaticity (D <sub>uv</sub> ) (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19	7 steps	0.0005±0.0060	-0.0011
		4 steps	0.0005±0.0033	
Minimum CRI (Integrating Sphere – Section 4.1)	ANSI/IES LM-79 19 CIE13.3-1995	≥80		95.6
Minimum R9 (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19 CIE13.3-1995	≥0		78
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		98
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		0.050
(Goniophotometer – Section 4.2)		Non-Worst Case		N/A
Power (Input Wattage – W)				
(Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Worst Case		5.7
(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 @6W3500K	-	250903027-S1
2	Goniophotometer Test	2025-12-08	PIVOTMB @6W3500K	-	250903027-S1
3	THD and PF Test	2025-12-08	PIVOTMB @6W3500K	-	250903027-S1

### Remark (If any):

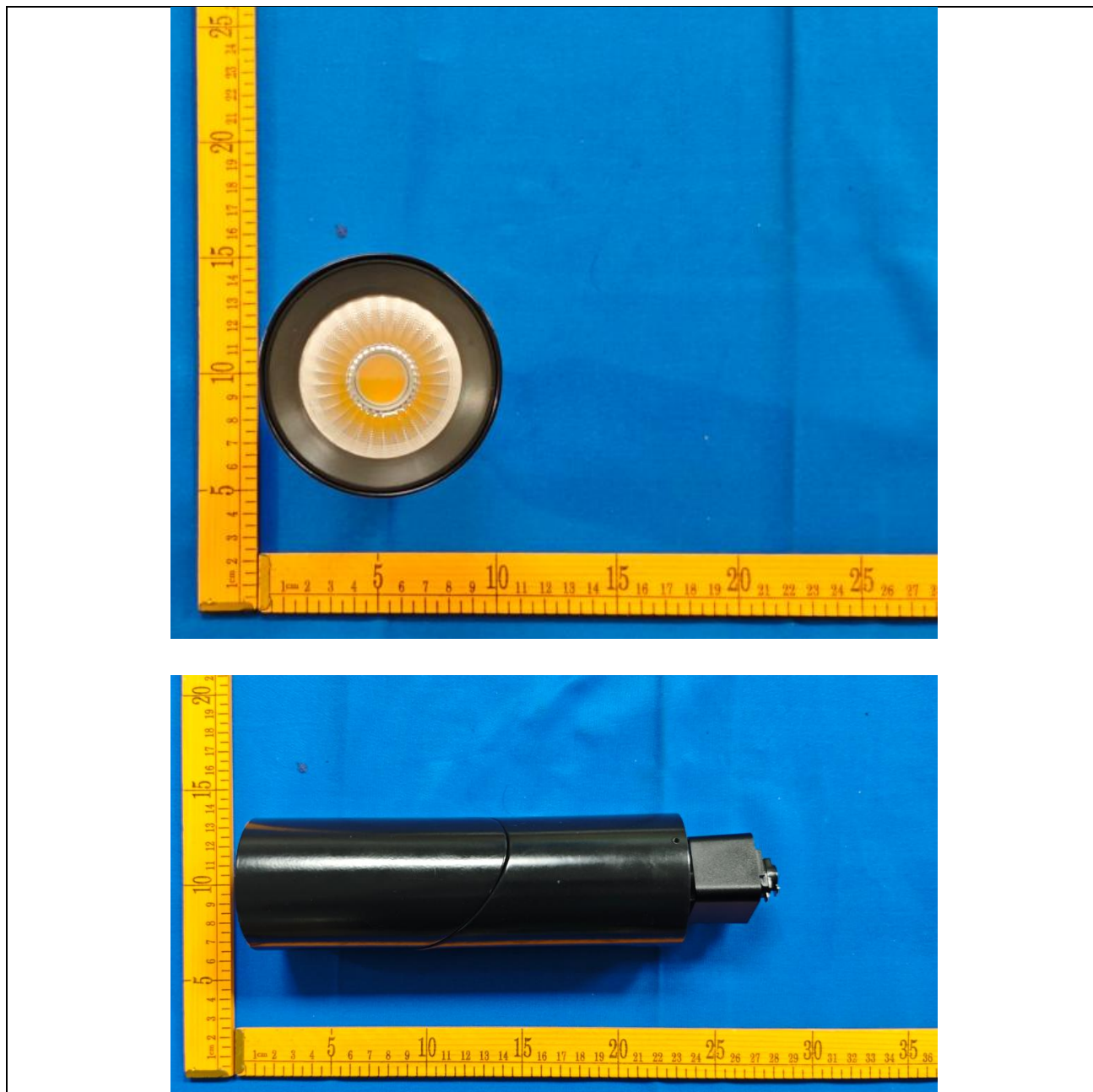
1. The results contained in this report pertain only to the tested samples.
2. This report shall not be reproduced, no limited part or full, without approval of Dongguan New Testing Centre Co., Ltd.
3. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the U.S. Government.

### 3.0 Product Description

Luminaire Description: Model No. PIVOTMB @6W3500K, 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 @6W3500K	<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

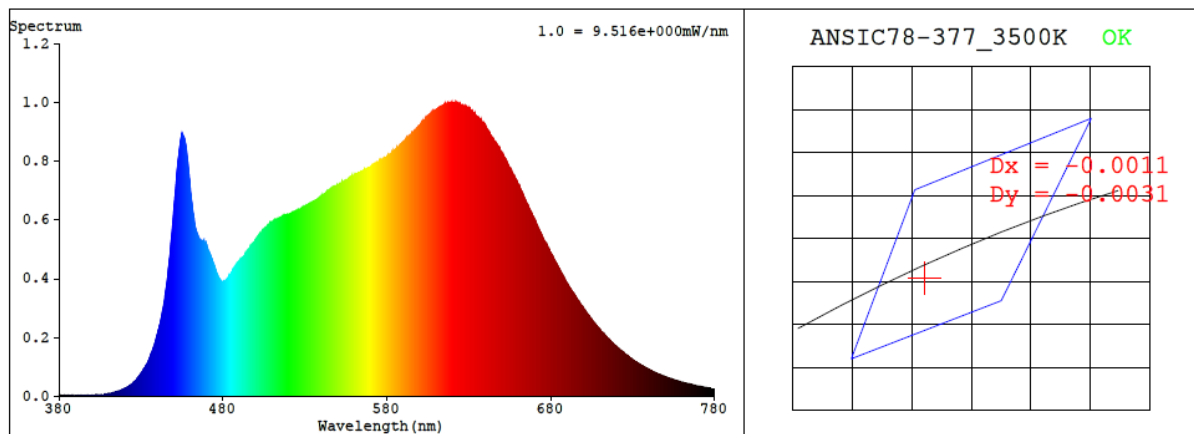
<b>Test Method</b>
<p>The Samples were tested according to the ANSI/IES LM-79:2019.</p> <p>Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at <math>25\pm 1^{\circ}\text{C}</math>.</p> <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 <math>\pm 0.2</math> percent under load.</p> <p>The sample was measured using <math>4\pi</math> 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	0.050	5.7	0.945

<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>
3541	95.6	78	-0.0011	2.9	91	98	-3

## 4.1 Integrating Sphere Test



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4019$   $y = 0.3864$  /  $u' = 0.2352$   $v' = 0.5090$  ( $duv = -1.13e-03$ )

CCT= 3541K Prcp WL: Ld=581.2nm Purity=36.6%

Peak WL: Lp=622nm FWHM: =182.6nm Ratio:R=22.1% G=73.6% B=4.2%

Render Index: Ra = 95.6 AvgR = 94.2 TM30:Rf=93 Rg=99

EEL: 0.12712 A+

R1 =98 R2 =99 R3 =98 R4 =95 R5 =97 R6 =96 R7 =93

R8 =89 R9 =78 R10=99 R11=98 R12=80 R13=99 R14=99 R15=95

## 4.1 Integrating Sphere Test

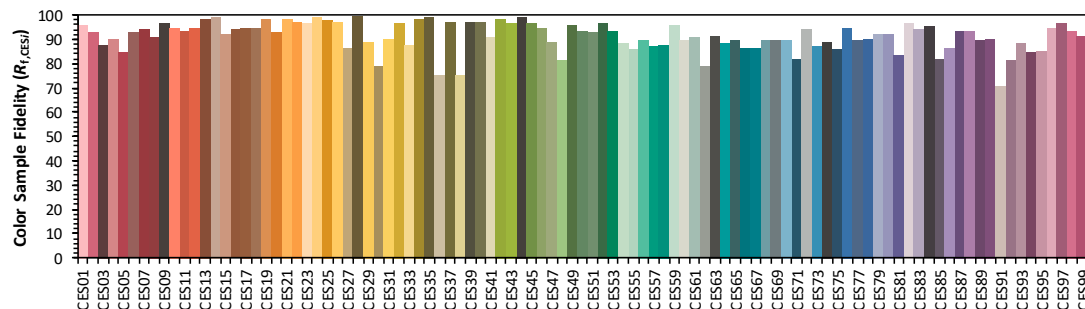
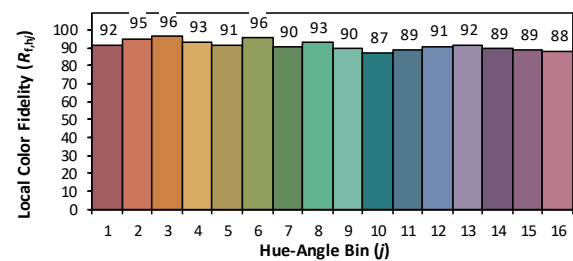
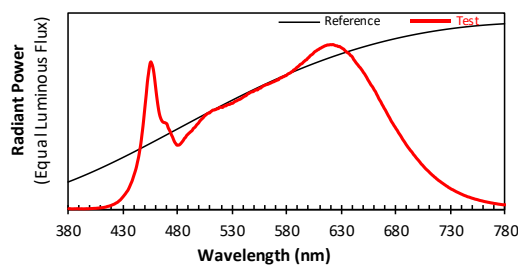
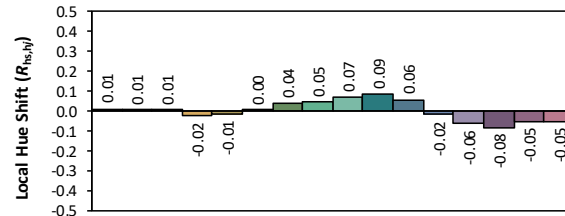
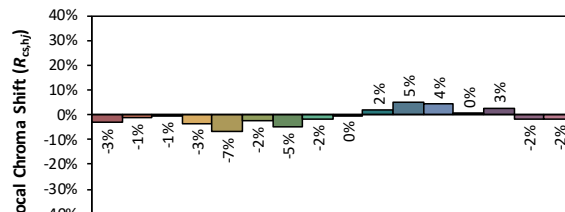
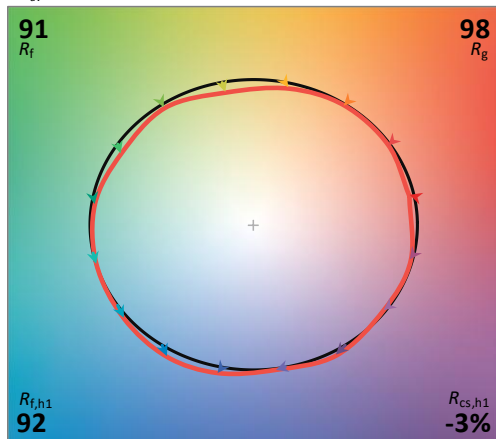
### ANSI/IES TM-30-24 Color Rendition Report

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

Make: RAB Lighting Inc.  
Model: PIVOTMB @6W3500K  
Other: N/A

CCT: 3541 K  
 $D_{uv}$ : -0.0012

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	4.51E-01	514	6.04E-01	581	8.21E-01	648	8.50E-01	715	1.96E-01
381	3.40E-03	448	5.06E-01	515	6.06E-01	582	8.24E-01	649	8.41E-01	716	1.91E-01
382	2.20E-03	449	5.70E-01	516	6.10E-01	583	8.28E-01	650	8.30E-01	717	1.84E-01
383	2.10E-03	450	6.36E-01	517	6.10E-01	584	8.33E-01	651	8.21E-01	718	1.79E-01
384	1.90E-03	451	6.99E-01	518	6.16E-01	585	8.36E-01	652	8.10E-01	719	1.74E-01
385	2.60E-03	452	7.71E-01	519	6.19E-01	586	8.45E-01	653	7.99E-01	720	1.70E-01
386	2.40E-03	453	8.22E-01	520	6.18E-01	587	8.47E-01	654	7.86E-01	721	1.64E-01
387	2.80E-03	454	8.68E-01	521	6.18E-01	588	8.54E-01	655	7.76E-01	722	1.60E-01
388	3.20E-03	455	8.94E-01	522	6.24E-01	589	8.60E-01	656	7.65E-01	723	1.55E-01
389	2.00E-03	456	8.83E-01	523	6.27E-01	590	8.65E-01	657	7.53E-01	724	1.50E-01
390	2.40E-03	457	8.63E-01	524	6.27E-01	591	8.71E-01	658	7.45E-01	725	1.46E-01
391	2.20E-03	458	8.25E-01	525	6.32E-01	592	8.78E-01	659	7.35E-01	726	1.41E-01
392	2.70E-03	459	7.72E-01	526	6.35E-01	593	8.81E-01	660	7.22E-01	727	1.37E-01
393	1.80E-03	460	7.14E-01	527	6.36E-01	594	8.85E-01	661	7.14E-01	728	1.32E-01
394	2.40E-03	461	6.61E-01	528	6.38E-01	595	8.93E-01	662	6.99E-01	729	1.28E-01
395	2.10E-03	462	6.16E-01	529	6.42E-01	596	8.98E-01	663	6.87E-01	730	1.24E-01
396	3.10E-03	463	5.79E-01	530	6.42E-01	597	9.05E-01	664	6.72E-01	731	1.20E-01
397	2.70E-03	464	5.56E-01	531	6.47E-01	598	9.08E-01	665	6.61E-01	732	1.18E-01
398	2.90E-03	465	5.40E-01	532	6.53E-01	599	9.17E-01	666	6.50E-01	733	1.14E-01
399	3.40E-03	466	5.30E-01	533	6.56E-01	600	9.21E-01	667	6.36E-01	734	1.10E-01
400	3.70E-03	467	5.27E-01	534	6.58E-01	601	9.30E-01	668	6.26E-01	735	1.06E-01
401	3.90E-03	468	5.25E-01	535	6.63E-01	602	9.35E-01	669	6.13E-01	736	1.03E-01
402	4.20E-03	469	5.22E-01	536	6.65E-01	603	9.39E-01	670	6.02E-01	737	1.00E-01
403	4.80E-03	470	5.16E-01	537	6.68E-01	604	9.46E-01	671	5.90E-01	738	9.70E-02
404	5.00E-03	471	4.95E-01	538	6.72E-01	605	9.53E-01	672	5.77E-01	739	9.36E-02
405	5.30E-03	472	4.83E-01	539	6.77E-01	606	9.58E-01	673	5.65E-01	740	9.09E-02
406	6.20E-03	473	4.70E-01	540	6.81E-01	607	9.62E-01	674	5.54E-01	741	8.77E-02
407	6.50E-03	474	4.52E-01	541	6.86E-01	608	9.67E-01	675	5.40E-01	742	8.46E-02
408	7.50E-03	475	4.39E-01	542	6.88E-01	609	9.70E-01	676	5.29E-01	743	8.21E-02
409	7.90E-03	476	4.22E-01	543	6.93E-01	610	9.75E-01	677	5.19E-01	744	7.98E-02
410	9.00E-03	477	4.07E-01	544	7.00E-01	611	9.78E-01	678	5.07E-01	745	7.66E-02
411	9.60E-03	478	3.98E-01	545	7.02E-01	612	9.82E-01	679	4.98E-01	746	7.45E-02
412	1.05E-02	479	3.89E-01	546	7.07E-01	613	9.85E-01	680	4.87E-01	747	7.30E-02
413	1.19E-02	480	3.89E-01	547	7.11E-01	614	9.89E-01	681	4.78E-01	748	7.04E-02
414	1.32E-02	481	3.90E-01	548	7.13E-01	615	9.92E-01	682	4.66E-01	749	6.80E-02
415	1.58E-02	482	3.94E-01	549	7.14E-01	616	9.94E-01	683	4.56E-01	750	6.59E-02
416	1.73E-02	483	4.02E-01	550	7.19E-01	617	9.97E-01	684	4.46E-01	751	6.41E-02
417	1.89E-02	484	4.10E-01	551	7.23E-01	618	9.97E-01	685	4.35E-01	752	6.15E-02
418	2.11E-02	485	4.19E-01	552	7.25E-01	619	9.98E-01	686	4.24E-01	753	6.01E-02
419	2.35E-02	486	4.30E-01	553	7.24E-01	620	9.99E-01	687	4.14E-01	754	5.86E-02
420	2.65E-02	487	4.36E-01	554	7.31E-01	621	9.98E-01	688	4.04E-01	755	5.67E-02
421	2.90E-02	488	4.47E-01	555	7.34E-01	622	9.99E-01	689	3.93E-01	756	5.45E-02
422	3.20E-02	489	4.54E-01	556	7.36E-01	623	9.97E-01	690	3.84E-01	757	5.27E-02
423	3.63E-02	490	4.61E-01	557	7.43E-01	624	9.94E-01	691	3.75E-01	758	5.12E-02
424	3.96E-02	491	4.66E-01	558	7.46E-01	625	9.92E-01	692	3.66E-01	759	4.98E-02
425	4.38E-02	492	4.72E-01	559	7.50E-01	626	9.91E-01	693	3.57E-01	760	4.79E-02
426	5.00E-02	493	4.77E-01	560	7.53E-01	627	9.87E-01	694	3.50E-01	761	4.64E-02
427	5.50E-02	494	4.89E-01	561	7.56E-01	628	9.88E-01	695	3.41E-01	762	4.49E-02
428	6.21E-02	495	4.94E-01	562	7.57E-01	629	9.83E-01	696	3.31E-01	763	4.37E-02
429	6.99E-02	496	5.00E-01	563	7.60E-01	630	9.79E-01	697	3.24E-01	764	4.21E-02
430	7.77E-02	497	5.10E-01	564	7.63E-01	631	9.75E-01	698	3.15E-01	765	4.12E-02
431	8.61E-02	498	5.17E-01	565	7.66E-01	632	9.71E-01	699	3.07E-01	766	3.95E-02
432	9.46E-02	499	5.24E-01	566	7.69E-01	633	9.63E-01	700	3.00E-01	767	3.83E-02
433	1.05E-01	500	5.34E-01	567	7.72E-01	634	9.58E-01	701	2.92E-01	768	3.73E-02
434	1.13E-01	501	5.42E-01	568	7.74E-01	635	9.52E-01	702	2.83E-01	769	3.59E-02
435	1.26E-01	502	5.49E-01	569	7.78E-01	636	9.47E-01	703	2.74E-01	770	3.45E-02
436	1.41E-01	503	5.54E-01	570	7.80E-01	637	9.43E-01	704	2.68E-01	771	3.39E-02
437	1.56E-01	504	5.63E-01	571	7.85E-01	638	9.34E-01	705	2.60E-01	772	3.28E-02
438	1.72E-01	505	5.69E-01	572	7.85E-01	639	9.30E-01	706	2.53E-01	773	3.15E-02
439	1.92E-01	506	5.74E-01	573	7.93E-01	640	9.22E-01	707	2.45E-01	774	3.04E-02
440	2.13E-01	507	5.80E-01	574	7.97E-01	641	9.09E-01	708	2.39E-01	775	2.96E-02
441	2.33E-01	508	5.83E-01	575	7.98E-01	642	9.01E-01	709	2.33E-01	776	2.87E-02
442	2.57E-01	509	5.84E-01	576	8.03E-01	643	8.91E-01	710	2.27E-01	777	2.77E-02
443	2.88E-01	510	5.91E-01	577	8.04E-01	644	8.82E-01	711	2.20E-01	778	2.67E-02
444	3.18E-01	511	5.96E-01	578	8.09E-01	645	8.75E-01	712	2.14E-01	779	2.68E-02
445	3.57E-01	512	6.01E-01	579	8.10E-01	646	8.65E-01	713	2.07E-01	780	2.68E-02
446	3.97E-01	513	6.02E-01	580	8.16E-01	647	8.59E-01	714	2.02E-01	N/A	N/A



## 4.0 LM-79 Measurement and Test Results

### 4.2 Goniophotometer Test

<b>Model No.</b>	PIVOTMB @6W3500K	<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	0.050	5.7	0.945
<b>NON-WORST CASE</b>	N/A	N/A	N/A	N/A	N/A

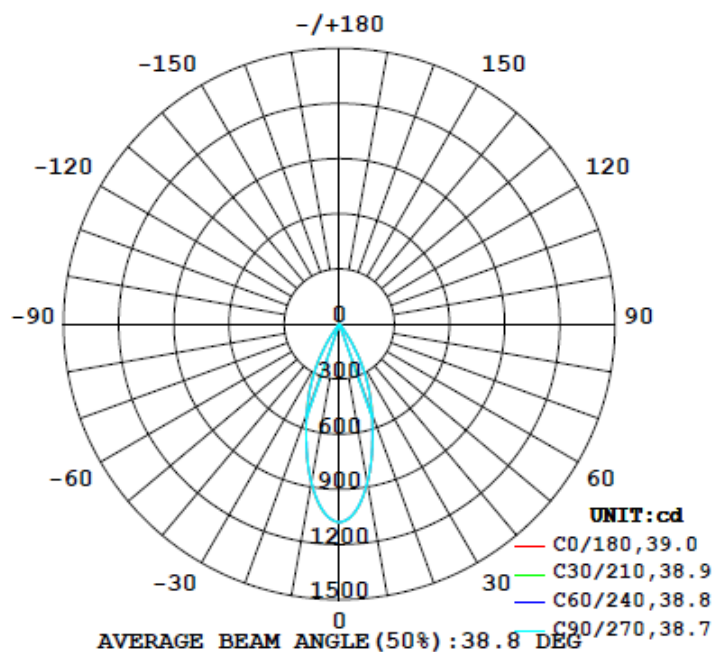
#### Test Result

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°)
527	68.9	68.3	39.0	38.7	92.5	100.0%

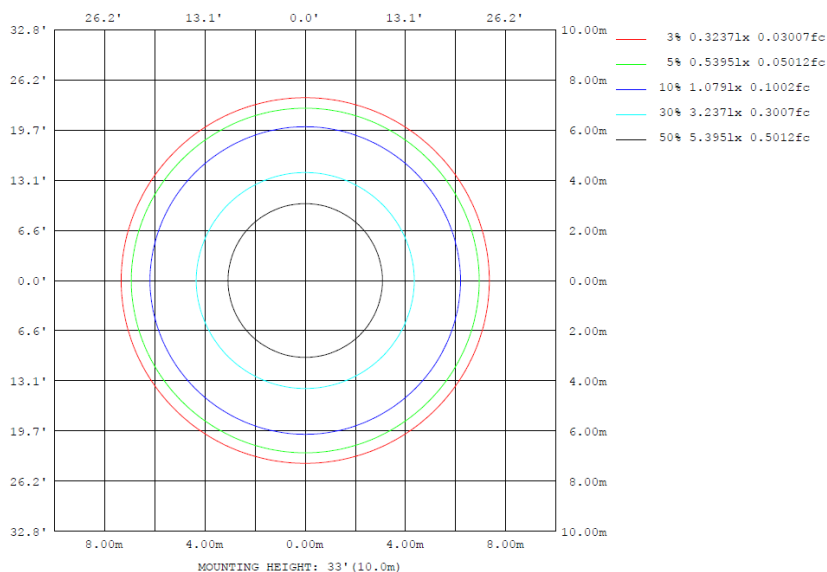
## 4.2 Goniophotometer Test

### 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	880.3	877.8	876.4	877.8	880.3	877.8	876.4	877.8	0- 10	92.84	92.84	17.6,17.6
20	523.3	520.8	517.7	520.8	523.3	520.8	517.7	520.8	10- 20	191.9	284.7	54,54
30	228.7	221.4	218.4	221.4	228.7	221.4	218.4	221.4	20- 30	167.6	452.3	85.8,85.8
40	22.02	21.86	21.47	21.86	22.02	21.86	21.47	21.86	30- 40	58.69	511.0	97,97
50	8.360	8.595	8.355	8.595	8.360	8.595	8.355	8.595	40- 50	9.379	520.4	98.7,98.7
60	3.092	3.074	2.952	3.074	3.092	3.074	2.952	3.074	50- 60	5.057	525.4	99.7,99.7
70	0.4163	0.4173	0.4301	0.4173	0.4163	0.4173	0.4301	0.4173	60- 70	1.510	526.9	100,100
80	0.0302	0.0270	0.0236	0.0270	0.0302	0.0270	0.0236	0.0270	70- 80	0.0911	527.0	100,100
90	0	0	0	0	0	0	0	0	80- 90	0.0114	527.0	100,100
100	0	0	0	0	0	0	0	0	90-100	0	527.0	100,100
110	0	0	0	0	0	0	0	0	100-110	0	527.0	100,100
120	0	0	0	0	0	0	0	0	110-120	0	527.0	100,100
130	0	0	0	0	0	0	0	0	120-130	0	527.0	100,100
140	0	0	0	0	0	0	0	0	130-140	0	527.0	100,100
150	0	0	0	0	0	0	0	0	140-150	0	527.0	100,100
160	0	0	0	0	0	0	0	0	150-160	0	527.0	100,100
170	0	0	0	0	0	0	0	0	160-170	0	527.0	100,100
180	0	0	0	0	0	0	0	0	170-180	0	527.0	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

	Zonal (lm)		Total (lm)	Percent
0-10	92.84	0-10	92.84	17.62%
10-20	191.89	0-20	284.73	54.02%
20-30	167.57	0-30	452.30	85.82%
30-40	58.69	0-40	510.99	96.95%
40-50	9.38	0-50	520.37	98.73%
50-60	5.06	0-60	525.43	99.69%
60-70	1.51	0-70	526.94	99.98%
70-80	0.09	0-80	527.03	100.00%
80-90	0.01	0-90	527.04	100.00%
90-100	0.00	0-100	527.04	100.00%
100-110	0.00	0-110	527.04	100.00%
110-120	0.00	0-120	527.04	100.00%
120-130	0.00	0-130	527.04	100.00%
130-140	0.00	0-140	527.04	100.00%
140-150	0.00	0-150	527.04	100.00%
150-160	0.00	0-160	527.04	100.00%
160-170	0.00	0-170	527.04	100.00%
170-180	0.00	0-180	527.04	100.00%

## 4.2 Goniophotometer Test

### Luminous Distribution Intensity Data

Table--1 UNIT: cd

C (DEG) γ	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079
5	1023	1022	1023	1022	1020	1021	1021	1021	1020	1022	1023	1022	1023	1022	1023	1022	1020	1021	1021
10	880	880	878	878	877	876	876	876	877	878	878	880	880	880	878	877	876	876	876
15	697	697	696	695	694	694	693	694	694	695	696	697	697	697	696	695	694	694	693
20	523	522	521	521	519	518	518	518	519	521	521	522	523	522	521	521	519	518	518
25	378	375	372	371	369	369	369	369	369	371	372	375	378	375	372	371	369	369	369
30	229	226	223	221	221	219	218	219	221	221	223	226	229	226	223	221	221	219	218
35	91.7	90.4	88.9	86.9	86.0	85.3	85.1	85.3	86.0	86.9	88.9	90.4	91.7	90.4	88.9	86.9	86.0	85.3	85.1
40	22.0	22.0	21.9	21.9	21.7	21.5	21.5	21.5	21.7	21.9	21.9	22.0	22.0	22.0	21.9	21.9	21.7	21.5	21.5
45	11.1	11.2	11.3	11.3	11.4	11.3	11.2	11.3	11.4	11.3	11.3	11.2	11.1	11.2	11.3	11.3	11.4	11.3	11.2
50	8.36	8.47	8.57	8.59	8.50	8.42	8.36	8.42	8.50	8.59	8.57	8.47	8.36	8.47	8.57	8.59	8.50	8.42	8.36
55	5.64	5.72	5.75	5.74	5.63	5.52	5.50	5.52	5.63	5.74	5.75	5.72	5.64	5.72	5.75	5.74	5.63	5.52	5.50
60	3.09	3.12	3.12	3.07	3.03	2.99	2.95	2.99	3.03	3.07	3.12	3.12	3.09	3.12	3.12	3.07	3.03	2.99	2.95
65	1.44	1.46	1.46	1.44	1.42	1.43	1.40	1.43	1.42	1.44	1.46	1.46	1.44	1.46	1.46	1.44	1.42	1.43	1.40
70	0.42	0.42	0.42	0.42	0.40	0.40	0.43	0.40	0.40	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.40	0.40	0.43
75	0.06	0.05	0.05	0.05	0.05	0.05	0.04	0.05	0.05	0.05	0.05	0.05	0.06	0.05	0.05	0.05	0.05	0.05	0.04
80	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02
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) γ	285	300	315	330	345														
0	1079	1079	1079	1079	1079														
5	1021	1020	1022	1023	1022														
10	876	877	878	878	880														
15	694	694	695	696	697														
20	518	519	521	521	522														
25	369	369	371	372	375														
30	219	221	221	223	226														
35	85.3	86.0	86.9	88.9	90.4														
40	21.5	21.7	21.9	21.9	22.0														
45	11.3	11.4	11.3	11.3	11.2														
50	8.42	8.50	8.59	8.57	8.47														
55	5.52	5.63	5.74	5.75	5.72														
60	2.99	3.03	3.07	3.12	3.12														
65	1.43	1.42	1.44	1.46	1.46														
70	0.40	0.40	0.42	0.42	0.42														
75	0.05	0.05	0.05	0.05	0.05														
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

<b>Model No.</b>	PIVOTMB @6W3500K	<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	0.050	5.7	0.945	14.30

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