

## Photometric Test Report

### Relevant Standards

- ☒ ANSI/IES LM-79-2019
- ☒ ANSI C82.77-2017

Prepared For

**RAB Lighting Inc.**

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Prepared By

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Issue Date: 2025-09-19

Revised Date: N/A

## 1.0 Test Summary

DLC Technical Requirements V6.0

Track or Mono-Point Directional luminaires					
Requirement Category		Test Method	Requirements		Test Value
Luminaire Output (lm) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	250		872
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Standard	Premium	87.2
			95	110	
Power (Input Wattage) (W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Case		10.0
Total Harmonic Distortion (A%) (THD & PF – Section 4.3)		ANSI C82.77:2002 ANSI C82-77-10:2020	20.00%	120V	12.20
Power Factor (THD & PF – Section 4.3)		ANSI C82.77:2002 ANSI C82-77-10:2020	0.9	120V	0.976
Allowable CCTs* (K) (Integrating Sphere – Section 4.1)		ANSI/IES LM-79:2019	7 steps	5029±283	4915
			4 steps	5029±220	
Minimum CRI (Integrating Sphere – Section 4.1)		ANSI/IES LM-79:2019 CIE13.3-1995	≥80		93.1
Minimum R9 (Integrating Sphere – Section 4.1)		ANSI/IES LM-79-2019 CIE13.3-1995	≥0		68
Minimum Rf (Integrating Sphere – Section 4.1)		ANSI/IES TM-30-18	≥70		90
Minimum Rg (Integrating Sphere – Section 4.1)		ANSI/IES TM-30-18	≥89		97
IES Rcs,h1 (Integrating Sphere – Section 4.1)		ANSI/IES TM-30-18	-12%≤IES Rcs,h1≤+23%		-5%
Zonal Lumen Requirement (0°-90°) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	≥85%		100.0%
Input Voltage (V)					
(Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Cast		120.0
(Goniophotometer – Section 4.2)			Non-Worst Case		N/A
Input Current (A)					
(Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Case		0.085
(Goniophotometer – Section 4.2)			Non-Worst Case		N/A
Power (Input Wattage – W)					
(Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Case		10.0
(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	2025-09-09	PIVOTM24DB @10W5000K	-	250903023-S1
2	Goniophotometer Test	2025-09-09	PIVOTM24DB @10W5000K	-	250903023-S1
3	THD and PF Test	2025-09-09	PIVOTM24DB @10W5000K	-	250903023-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. PIVOTM24DB @10W5000K, 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>	PIVOTM24DB @10W5000K	<b>Sample ID</b>	250903023-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

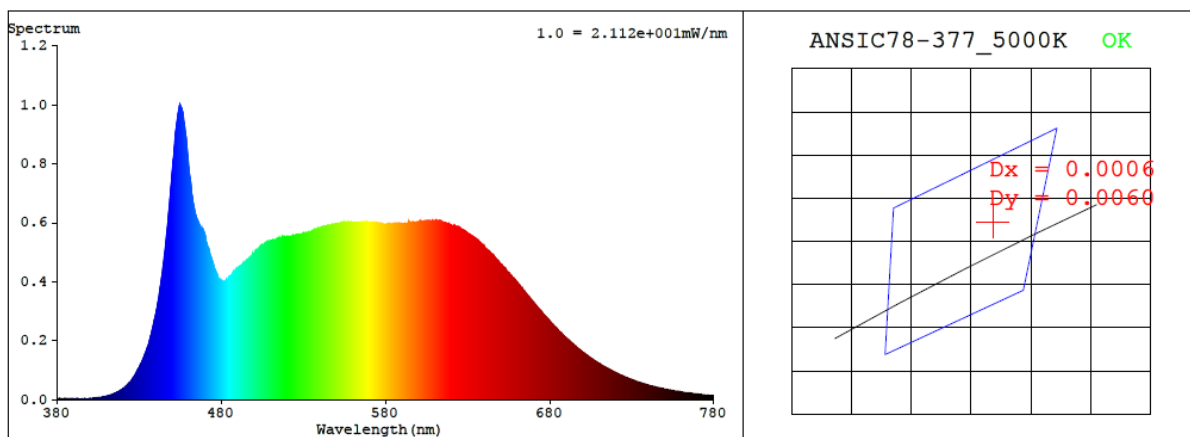
<b>Test Method</b>
<p>The Samples were tested according to the ANSI/IES LM-79:2019.</p> <p>Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at 25±1°C.</p> <p>The sample measurements were 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	0.085	10.0	0.976

<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>
4915	93.1	68	0.0027	2.2	90	97	-5%

## 4.1 Integrating Sphere Test



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.3482$   $y = 0.3596$  /  $u' = 0.2104$   $v' = 0.4889$  ( $duv=2.74e-03$ )

CCT= 4915K Prcp WL:  $L_d=571.3nm$  Purity=12.4%

Peak WL:  $L_p=455nm$  FWHM:  $=27.6nm$  Ratio:R=17.4% G=76.9% B=5.7%

Render Index:  $R_a = 93.1$  AvgR = 90.3 TM30:Rf=91 Rg=97

EEL: 0.14382 A+

R1 =94 R2 =98 R3 =98 R4 =90 R5 =92 R6 =95 R7 =92

R8 =86 R9 =68 R10=95 R11=91 R12=69 R13=96 R14=99 R15=91

## 4.1 Integrating Sphere Test

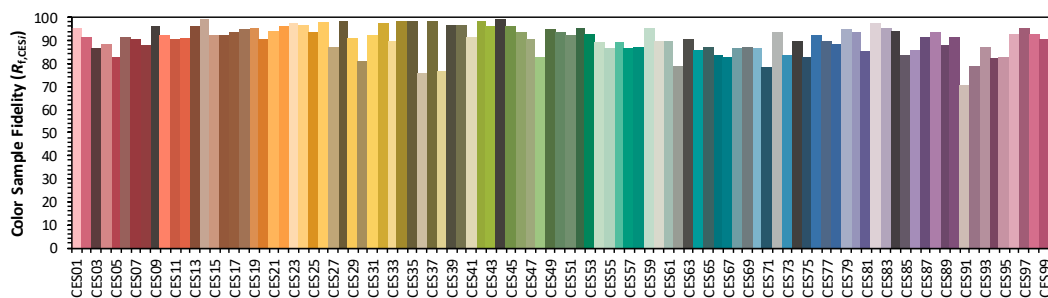
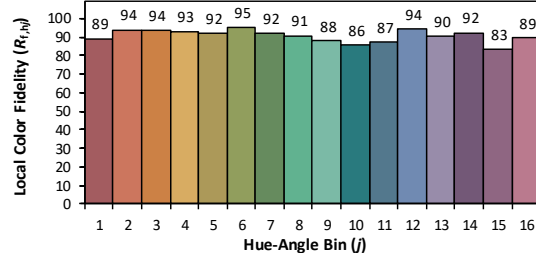
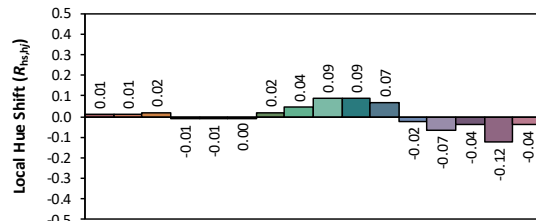
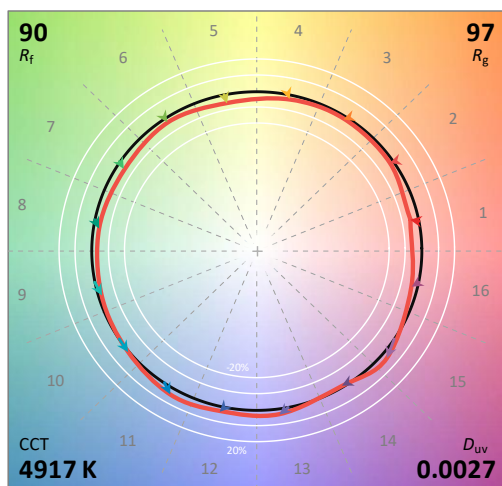
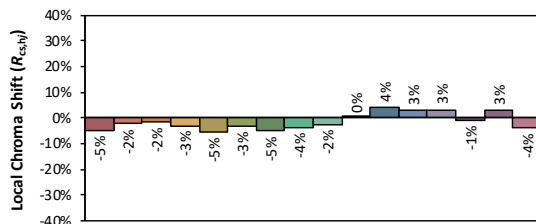
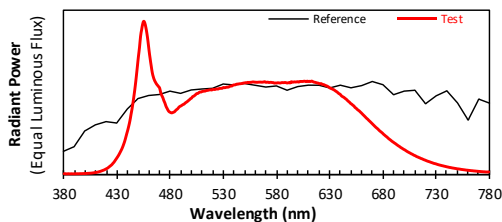
### ANSI/IES TM-30-18 Color Rendition Report

Source: 1 CIE F1

Manufacturer: RAB Lighting Inc.

Date: 2025/9/19

Model: PIVOTM24DB @10W5000K



Notes: This is a recommended method for displaying ANSI/IES TM-30-18 information.

$x$  0.3481  
 $y$  0.3594  
 $u'$  0.2104  
 $v'$  0.4889

CIE 13.3-1995  
(CRI)  
 $R_a$  93  
 $R_g$  68



## 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	3.60E-06	447	5.77E-04	514	5.46E-04	581	5.96E-04	648	4.74E-04	715	1.07E-04
381	3.70E-06	448	6.38E-04	515	5.47E-04	582	5.96E-04	649	4.68E-04	716	1.03E-04
382	2.70E-06	449	7.04E-04	516	5.48E-04	583	5.95E-04	650	4.61E-04	717	1.01E-04
383	2.70E-06	450	7.70E-04	517	5.50E-04	584	5.96E-04	651	4.57E-04	718	9.79E-05
384	3.50E-06	451	8.27E-04	518	5.51E-04	585	5.98E-04	652	4.50E-04	719	9.48E-05
385	2.70E-06	452	9.00E-04	519	5.49E-04	586	5.98E-04	653	4.45E-04	720	9.23E-05
386	2.70E-06	453	9.43E-04	520	5.53E-04	587	5.97E-04	654	4.36E-04	721	8.93E-05
387	3.30E-06	454	9.80E-04	521	5.53E-04	588	5.98E-04	655	4.31E-04	722	8.64E-05
388	2.50E-06	455	9.98E-04	522	5.53E-04	589	5.97E-04	656	4.24E-04	723	8.40E-05
389	2.90E-06	456	9.86E-04	523	5.55E-04	590	5.95E-04	657	4.18E-04	724	8.18E-05
390	3.00E-06	457	9.56E-04	524	5.57E-04	591	5.96E-04	658	4.13E-04	725	7.93E-05
391	3.10E-06	458	9.17E-04	525	5.56E-04	592	5.98E-04	659	4.06E-04	726	7.65E-05
392	3.60E-06	459	8.66E-04	526	5.59E-04	593	5.95E-04	660	4.00E-04	727	7.45E-05
393	3.30E-06	460	8.06E-04	527	5.60E-04	594	6.03E-04	661	3.93E-04	728	7.16E-05
394	3.40E-06	461	7.55E-04	528	5.60E-04	595	6.01E-04	662	3.86E-04	729	6.98E-05
395	3.90E-06	462	7.07E-04	529	5.61E-04	596	6.01E-04	663	3.79E-04	730	6.82E-05
396	3.80E-06	463	6.63E-04	530	5.66E-04	597	6.02E-04	664	3.72E-04	731	6.58E-05
397	4.00E-06	464	6.35E-04	531	5.65E-04	598	6.01E-04	665	3.65E-04	732	6.35E-05
398	4.40E-06	465	6.15E-04	532	5.65E-04	599	6.02E-04	666	3.59E-04	733	6.15E-05
399	4.50E-06	466	6.01E-04	533	5.68E-04	600	6.04E-04	667	3.51E-04	734	5.96E-05
400	5.30E-06	467	5.89E-04	534	5.68E-04	601	6.01E-04	668	3.45E-04	735	5.80E-05
401	5.00E-06	468	5.80E-04	535	5.69E-04	602	6.05E-04	669	3.38E-04	736	5.61E-05
402	6.00E-06	469	5.71E-04	536	5.73E-04	603	6.05E-04	670	3.31E-04	737	5.46E-05
403	6.20E-06	470	5.61E-04	537	5.76E-04	604	6.05E-04	671	3.24E-04	738	5.28E-05
404	6.60E-06	471	5.31E-04	538	5.75E-04	605	6.05E-04	672	3.18E-04	739	5.13E-05
405	7.20E-06	472	5.14E-04	539	5.80E-04	606	6.07E-04	673	3.11E-04	740	4.95E-05
406	7.80E-06	473	4.99E-04	540	5.83E-04	607	6.06E-04	674	3.04E-04	741	4.78E-05
407	8.80E-06	474	4.79E-04	541	5.83E-04	608	6.04E-04	675	2.99E-04	742	4.64E-05
408	9.80E-06	475	4.63E-04	542	5.86E-04	609	6.07E-04	676	2.92E-04	743	4.47E-05
409	1.07E-05	476	4.43E-04	543	5.88E-04	610	6.04E-04	677	2.85E-04	744	4.37E-05
410	1.18E-05	477	4.29E-04	544	5.88E-04	611	6.06E-04	678	2.79E-04	745	4.21E-05
411	1.31E-05	478	4.16E-04	545	5.90E-04	612	6.04E-04	679	2.74E-04	746	4.08E-05
412	1.48E-05	479	4.08E-04	546	5.90E-04	613	6.08E-04	680	2.68E-04	747	3.97E-05
413	1.68E-05	480	4.04E-04	547	5.91E-04	614	6.05E-04	681	2.60E-04	748	3.84E-05
414	1.89E-05	481	4.01E-04	548	5.93E-04	615	6.02E-04	682	2.55E-04	749	3.74E-05
415	2.11E-05	482	4.01E-04	549	5.95E-04	616	6.00E-04	683	2.49E-04	750	3.58E-05
416	2.38E-05	483	4.05E-04	550	5.96E-04	617	5.98E-04	684	2.44E-04	751	3.51E-05
417	2.65E-05	484	4.08E-04	551	5.97E-04	618	5.96E-04	685	2.37E-04	752	3.42E-05
418	2.92E-05	485	4.16E-04	552	5.96E-04	619	5.95E-04	686	2.31E-04	753	3.31E-05
419	3.31E-05	486	4.22E-04	553	6.00E-04	620	5.92E-04	687	2.26E-04	754	3.18E-05
420	3.67E-05	487	4.27E-04	554	5.98E-04	621	5.89E-04	688	2.20E-04	755	3.09E-05
421	4.04E-05	488	4.36E-04	555	6.00E-04	622	5.92E-04	689	2.14E-04	756	2.99E-05
422	4.60E-05	489	4.42E-04	556	5.99E-04	623	5.87E-04	690	2.10E-04	757	2.90E-05
423	5.16E-05	490	4.46E-04	557	6.01E-04	624	5.85E-04	691	2.05E-04	758	2.80E-05
424	5.71E-05	491	4.50E-04	558	6.02E-04	625	5.83E-04	692	2.00E-04	759	2.69E-05
425	6.31E-05	492	4.55E-04	559	6.01E-04	626	5.79E-04	693	1.95E-04	760	2.64E-05
426	7.15E-05	493	4.58E-04	560	6.00E-04	627	5.77E-04	694	1.90E-04	761	2.55E-05
427	7.92E-05	494	4.64E-04	561	6.00E-04	628	5.74E-04	695	1.85E-04	762	2.48E-05
428	8.94E-05	495	4.69E-04	562	6.00E-04	629	5.69E-04	696	1.81E-04	763	2.39E-05
429	9.96E-05	496	4.74E-04	563	6.00E-04	630	5.65E-04	697	1.75E-04	764	2.32E-05
430	1.10E-04	497	4.80E-04	564	6.01E-04	631	5.60E-04	698	1.71E-04	765	2.26E-05
431	1.21E-04	498	4.86E-04	565	6.01E-04	632	5.58E-04	699	1.67E-04	766	2.16E-05
432	1.33E-04	499	4.93E-04	566	6.00E-04	633	5.54E-04	700	1.62E-04	767	2.12E-05
433	1.46E-04	500	4.97E-04	567	6.01E-04	634	5.51E-04	701	1.59E-04	768	2.04E-05
434	1.60E-04	501	5.06E-04	568	6.02E-04	635	5.47E-04	702	1.54E-04	769	1.98E-05
435	1.76E-04	502	5.09E-04	569	6.03E-04	636	5.41E-04	703	1.49E-04	770	1.91E-05
436	1.94E-04	503	5.14E-04	570	6.00E-04	637	5.37E-04	704	1.45E-04	771	1.85E-05
437	2.14E-04	504	5.20E-04	571	6.00E-04	638	5.31E-04	705	1.41E-04	772	1.79E-05
438	2.39E-04	505	5.26E-04	572	6.00E-04	639	5.25E-04	706	1.38E-04	773	1.72E-05
439	2.65E-04	506	5.27E-04	573	5.98E-04	640	5.22E-04	707	1.34E-04	774	1.68E-05
440	2.90E-04	507	5.33E-04	574	5.99E-04	641	5.13E-04	708	1.31E-04	775	1.61E-05
441	3.18E-04	508	5.37E-04	575	5.99E-04	642	5.07E-04	709	1.26E-04	776	1.60E-05
442	3.50E-04	509	5.36E-04	576	5.98E-04	643	5.04E-04	710	1.23E-04	777	1.52E-05
443	3.90E-04	510	5.40E-04	577	5.98E-04	644	4.99E-04	711	1.20E-04	778	1.50E-05
444	4.28E-04	511	5.41E-04	578	5.94E-04	645	4.93E-04	712	1.15E-04	779	1.50E-05
445	4.74E-04	512	5.42E-04	579	5.95E-04	646	4.88E-04	713	1.13E-04	780	1.50E-05
446	5.22E-04	513	5.43E-04	580	5.95E-04	647	4.80E-04	714	1.10E-04	N/A	N/A



## 4.0 LM-79 Measurement and Test Results

### 4.2 Goniophotometer Test

Model No.	PIVOTM24DB @10W5000K	Sample ID	250903023-S1
Operate time (Min.)	30	Stabilization time (Min.)	60
Temperature (°C)	25.0	Humidity (%RH)	40.2

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 <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
WORST CASE	120.0	60	0.085	10.0	0.976
NON-WORST CASE	N/A	N/A	N/A	N/A	N/A

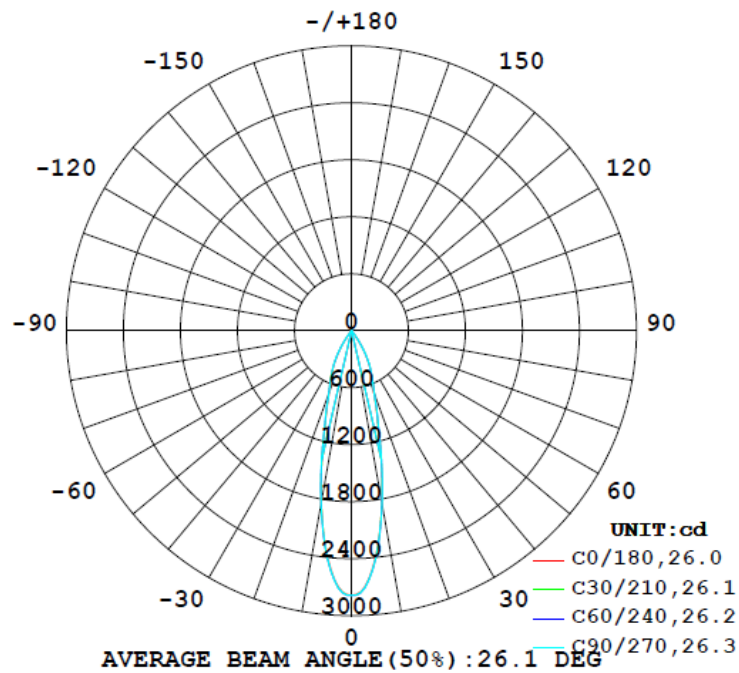
#### Test Result

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°)
872	61.8	62.3	26.0	26.3	87.2	100.0%

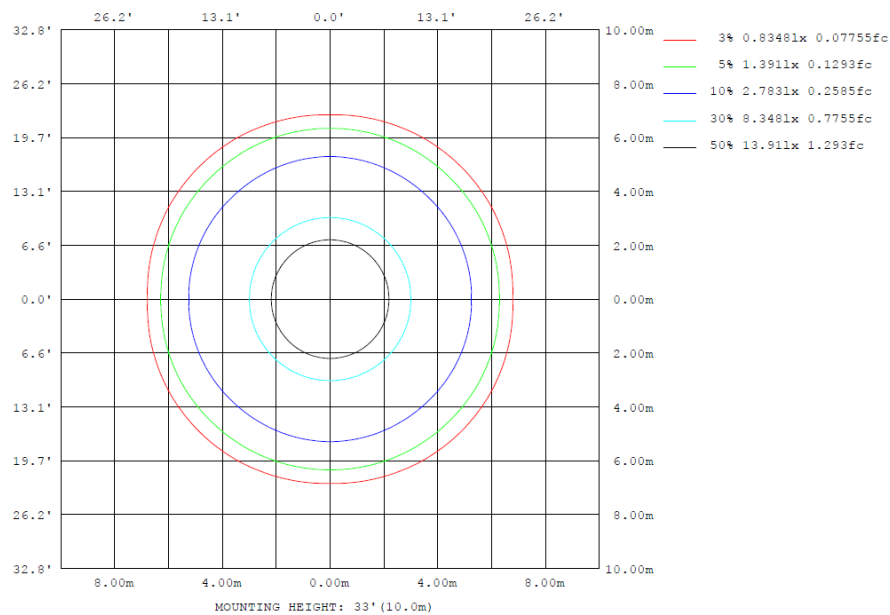
## 4.2 Goniophotometer Test

### 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	1840	1846	1856	1846	1840	1846	1856	1846	0- 10	219.0	219.0	25.1, 25.1
20	688.0	708.3	701.4	708.3	688.0	708.3	701.4	708.3	10- 20	319.0	538.0	61.7, 61.7
30	318.0	316.8	329.2	316.8	318.0	316.8	329.2	316.8	20- 30	227.0	765.0	87.7, 87.7
40	21.79	23.27	22.42	23.27	21.79	23.27	22.42	23.27	30- 40	86.62	851.6	97.7, 97.7
50	10.12	10.24	10.17	10.24	10.12	10.24	10.17	10.24	40- 50	10.54	862.1	98.9, 98.9
60	4.727	4.983	5.066	4.983	4.727	4.983	5.066	4.983	50- 60	7.104	869.2	99.7, 99.7
70	0.8087	0.9094	0.9082	0.9094	0.8087	0.9094	0.9082	0.9094	60- 70	2.468	871.7	100, 100
80	0.0246	0.0243	0.0239	0.0243	0.0246	0.0243	0.0239	0.0243	70- 80	0.1675	871.9	100, 100
90	0	0	0	0	0	0	0	0	80- 90	0.0133	871.9	100, 100
100	0	0	0	0	0	0	0	0	90-100	0	871.9	100, 100
110	0	0	0	0	0	0	0	0	100-110	0	871.9	100, 100
120	0	0	0	0	0	0	0	0	110-120	0	871.9	100, 100
130	0	0	0	0	0	0	0	0	120-130	0	871.9	100, 100
140	0	0	0	0	0	0	0	0	130-140	0	871.9	100, 100
150	0	0	0	0	0	0	0	0	140-150	0	871.9	100, 100
160	0	0	0	0	0	0	0	0	150-160	0	871.9	100, 100
170	0	0	0	0	0	0	0	0	160-170	0	871.9	100, 100
180	0	0	0	0	0	0	0	0	170-180	0	871.9	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Zonal (lm)		Total (lm)		Percent
0-10	218.98	0-10	218.98	25.12%
10-20	318.97	0-20	537.95	61.70%
20-30	227.02	0-30	764.97	87.74%
30-40	86.62	0-40	851.59	97.67%
40-50	10.54	0-50	862.13	98.88%
50-60	7.10	0-60	869.23	99.70%
60-70	2.47	0-70	871.70	99.98%
70-80	0.17	0-80	871.87	100.00%
80-90	0.01	0-90	871.88	100.00%
90-100	0.00	0-100	871.88	100.00%
100-110	0.00	0-110	871.88	100.00%
110-120	0.00	0-120	871.88	100.00%
120-130	0.00	0-130	871.88	100.00%
130-140	0.00	0-140	871.88	100.00%
140-150	0.00	0-150	871.88	100.00%
150-160	0.00	0-160	871.88	100.00%
160-170	0.00	0-170	871.88	100.00%
170-180	0.00	0-180	871.88	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	2783	2784	2783	2784	2784	2784	2785	2784	2784	2784	2783	2784	2783	2784	2783	2784	2784	2784	2785
5	2519	2522	2528	2533	2532	2532	2530	2532	2532	2533	2528	2522	2519	2522	2528	2533	2532	2532	2530
10	1840	1842	1844	1846	1849	1854	1856	1854	1849	1846	1844	1842	1840	1842	1844	1846	1849	1854	1856
15	1126	1128	1127	1131	1135	1139	1142	1139	1135	1131	1127	1128	1126	1128	1127	1131	1135	1139	1142
20	688	699	707	708	708	708	701	708	708	708	707	699	688	699	707	708	708	708	701
25	490	496	499	498	499	499	497	499	499	498	499	496	490	496	499	498	499	499	497
30	318	320	318	317	320	324	329	324	320	317	318	320	318	320	318	317	320	324	329
35	114	126	135	139	137	132	126	132	137	139	135	126	114	126	135	139	137	132	126
40	21.8	22.9	23.5	23.3	23.1	22.8	22.4	22.8	23.1	23.3	23.5	22.9	21.8	22.9	23.5	23.3	23.1	22.8	22.4
45	12.6	13.0	13.1	12.7	12.7	12.7	12.6	12.7	12.7	12.7	13.1	13.0	12.6	13.0	13.1	12.7	12.7	12.7	12.6
50	10.1	10.4	10.5	10.2	10.2	10.2	10.2	10.2	10.2	10.5	10.4	10.1	10.4	10.5	10.2	10.2	10.2	10.2	10.1
55	7.94	8.20	8.23	8.12	8.14	8.15	8.15	8.15	8.14	8.12	8.23	8.20	7.94	8.20	8.23	8.12	8.14	8.15	8.15
60	4.73	4.90	4.99	4.98	5.04	5.08	5.07	5.08	5.04	4.98	4.99	4.90	4.73	4.90	4.99	4.98	5.04	5.08	5.07
65	2.07	2.21	2.29	2.31	2.33	2.35	2.26	2.35	2.33	2.31	2.29	2.21	2.07	2.21	2.29	2.31	2.33	2.35	2.26
70	0.81	0.89	0.92	0.91	0.88	0.87	0.91	0.87	0.88	0.91	0.92	0.89	0.81	0.89	0.92	0.91	0.88	0.87	0.91
75	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
80	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	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) y (DEG)	285	300	315	330	345														
0	2784	2784	2784	2783	2784														
5	2532	2532	2533	2528	2522														
10	1854	1849	1846	1844	1842														
15	1139	1135	1131	1127	1128														
20	708	708	708	707	699														
25	499	499	498	499	496														
30	324	320	317	318	320														
35	132	137	139	135	126														
40	22.8	23.1	23.3	23.5	22.9														
45	12.7	12.7	12.7	13.1	13.0														
50	10.2	10.2	10.2	10.5	10.4														
55	8.15	8.14	8.12	8.23	8.20														
60	5.08	5.04	4.98	4.99	4.90														
65	2.35	2.33	2.31	2.29	2.21														
70	0.87	0.88	0.91	0.92	0.89														
75	0.04	0.04	0.04	0.04	0.05														
80	0.02	0.02	0.02	0.02	0.02														
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>	PIVOTM24DB @10W5000K	<b>Sample ID</b>	250903023-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 25±1°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

<b>Voltage (Vac)</b>	<b>Frequency (Hz)</b>	<b>Current (A)</b>	<b>Power (W)</b>	<b>Power Factor</b>	<b>iTHD(%)</b>
120.0	60	0.085	10.0	0.976	12.20

## 5.0 Equipment List:

Equipment ID	Equipment Name	Last Cal.	Due Cal.
NTC-F01-001	Goniophotometer System	2024-11-07	2025-11-06
NTC-F01-006	2.0 meter Integrating Sphere	2024-11-07	2025-11-06
NTC-F01-012	Standard Lamp	2024-10-28	2025-10-27
NTC-F01-013	Standard Lamp	2024-10-28	2025-10-27
NTC-F01-031	Digital Power Meter	2025-08-04	2026-08-03
NTC-F01-019	Temperature & Humidity Meter	2024-10-29	2025-10-28

\*\*\*\*\*End of Report\*\*\*\*\*