

## Photometric Test Report

### Relevant Standards

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

Prepared For

**RAB Lighting Inc.**

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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		503
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Standard	Premium	86.7
			95	110	
Power (Input Wattage) (W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Case		5.8
Total Harmonic Distortion (A%) (THD & PF – Section 4.3)		ANSI C82.77:2002 ANSI C82-77-10:2020	20.00%	120V	14.15
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-79:2019	7 steps	3045±175	3034
			4 steps	3045±100	
Minimum CRI (Integrating Sphere – Section 4.1)		ANSI/IES LM-79:2019 CIE13.3-1995	≥80		95.1
Minimum R9 (Integrating Sphere – Section 4.1)		ANSI/IES LM-79-2019 CIE13.3-1995	≥0		75
Minimum Rf (Integrating Sphere – Section 4.1)		ANSI/IES TM-30-18	≥70		91
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%		-3%
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		0.051
(Goniophotometer – Section 4.2)			Non-Worst Case		N/A
Power (Input Wattage – W)					
(Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Case		5.8
(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 @6W3000K	-	250903023-S1
2	Goniophotometer Test	2025-09-09	PIVOTM24DB @6W3000K	-	250903023-S1
3	THD and PF Test	2025-09-09	PIVOTM24DB @6W3000K	-	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 @6W3000K, 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.	PIVOTM24DB @6W3000K	Sample ID	250903023-S1
Operate time (Min.)	10	Stabilization time (Min.)	60
Temperature (°C)	25.4	Humidity (%RH)	41.0

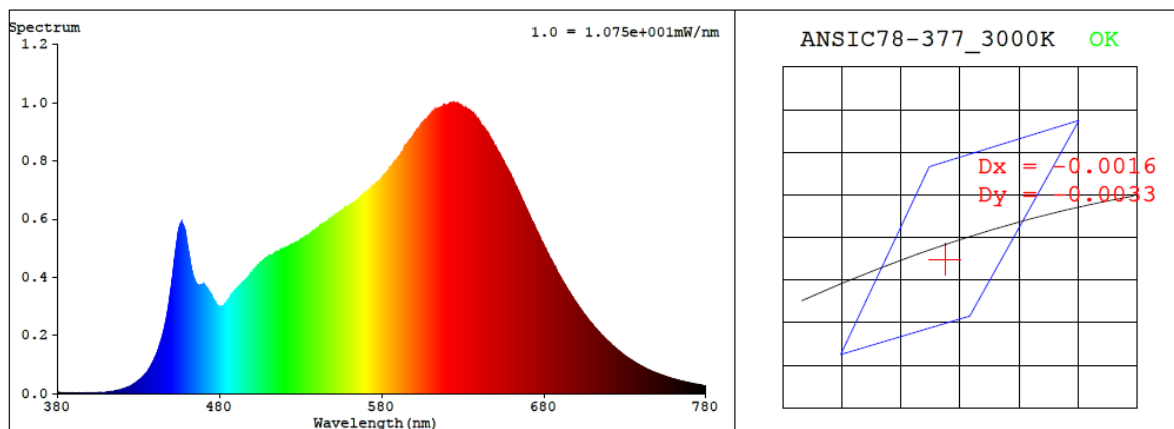
Test Method
<p>The Samples were tested according to the ANSI/IES LM-79:2019.</p> <p>Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at 25±1°C.</p> <p>The sample measurements were made 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 4<math>\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

Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
120.0	60	0.051	5.8	0.945

CCT (K)	CRI	R9	Duv	SDCM	Rf	Rg	IES Rcs,h1
3034	95.1	75	-0.0011	1.5	91	97	-3%

### 4.1 Integrating Sphere Test



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4330$   $y = 0.3999$  /  $u' = 0.2498$   $v' = 0.5192$  ( $duv = -1.11e-03$ )

CCT= 3034K      Prcp WL:   Ld=583.1nm      Purity=50.0%

Peak WL: Lp=625nm FWHM: =159.9nm Ratio:R=24.8% G=71.7% B=3.5%

Render Index: Ra = 95.1 AvgR = 93.9 TM30:Rf=92 Rg=99

EEI: 0.12898 A+

R1 =98    R2 =98    R3 =97    R4 =96    R5 =97    R6 =95    R7 =92

R8 =87      R9 =75      R10=98      R11=99      R12=83      R13=100      R14=99      R15=95

## 4.1 Integrating Sphere Test

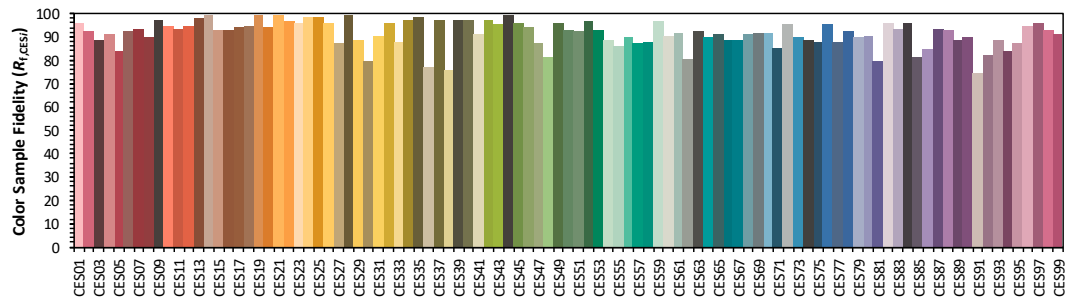
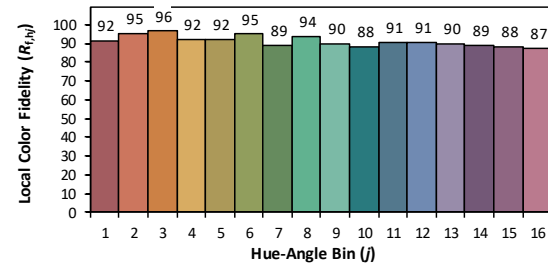
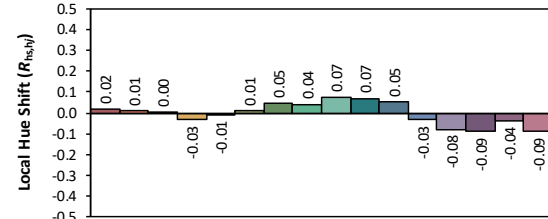
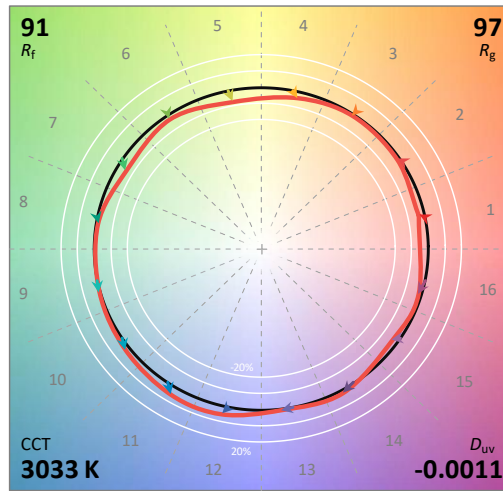
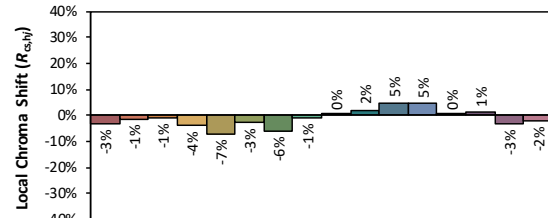
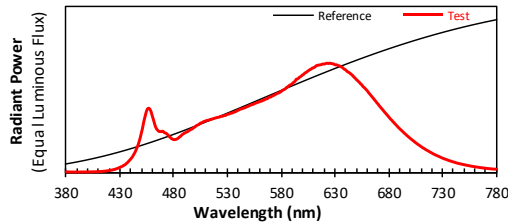
### ANSI/IES TM-30-18 Color Rendition Report

Source: 1 CIE F1

Manufacturer: RAB Lighting Inc.

Date: 2025/9/19

Model: PIVOTM24DB @6W3000K



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

$x$  0.4330  
 $y$  0.3999  
 $u'$  0.2498  
 $v'$  0.5191

CIE 13.3-1995  
(CRI)

$R_a$  95  
 $R_g$  75



## 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	3.10E-06	447	2.54E-04	514	4.83E-04	581	7.47E-04	648	8.69E-04	715	2.05E-04
381	3.80E-06	448	2.86E-04	515	4.84E-04	582	7.53E-04	649	8.61E-04	716	2.00E-04
382	2.40E-06	449	3.22E-04	516	4.88E-04	583	7.59E-04	650	8.49E-04	717	1.94E-04
383	2.70E-06	450	3.63E-04	517	4.91E-04	584	7.65E-04	651	8.40E-04	718	1.88E-04
384	1.70E-06	451	4.03E-04	518	4.94E-04	585	7.75E-04	652	8.30E-04	719	1.82E-04
385	1.60E-06	452	4.55E-04	519	4.97E-04	586	7.81E-04	653	8.21E-04	720	1.78E-04
386	2.00E-06	453	4.96E-04	520	5.00E-04	587	7.89E-04	654	8.09E-04	721	1.72E-04
387	1.20E-06	454	5.35E-04	521	5.02E-04	588	7.97E-04	655	8.01E-04	722	1.66E-04
388	1.30E-06	455	5.67E-04	522	5.04E-04	589	8.01E-04	656	7.87E-04	723	1.62E-04
389	1.80E-06	456	5.83E-04	523	5.07E-04	590	8.08E-04	657	7.78E-04	724	1.57E-04
390	2.50E-06	457	5.85E-04	524	5.11E-04	591	8.17E-04	658	7.69E-04	725	1.52E-04
391	1.40E-06	458	5.74E-04	525	5.11E-04	592	8.26E-04	659	7.58E-04	726	1.48E-04
392	1.50E-06	459	5.52E-04	526	5.15E-04	593	8.32E-04	660	7.48E-04	727	1.44E-04
393	2.20E-06	460	5.18E-04	527	5.19E-04	594	8.50E-04	661	7.35E-04	728	1.39E-04
394	2.20E-06	461	4.87E-04	528	5.20E-04	595	8.53E-04	662	7.22E-04	729	1.34E-04
395	1.70E-06	462	4.51E-04	529	5.24E-04	596	8.59E-04	663	7.11E-04	730	1.30E-04
396	1.90E-06	463	4.19E-04	530	5.31E-04	597	8.69E-04	664	6.98E-04	731	1.26E-04
397	2.30E-06	464	3.98E-04	531	5.32E-04	598	8.75E-04	665	6.87E-04	732	1.22E-04
398	2.20E-06	465	3.86E-04	532	5.35E-04	599	8.82E-04	666	6.75E-04	733	1.19E-04
399	2.00E-06	466	3.76E-04	533	5.40E-04	600	8.92E-04	667	6.62E-04	734	1.16E-04
400	2.60E-06	467	3.73E-04	534	5.41E-04	601	8.96E-04	668	6.51E-04	735	1.12E-04
401	2.60E-06	468	3.72E-04	535	5.45E-04	602	9.07E-04	669	6.38E-04	736	1.08E-04
402	2.60E-06	469	3.73E-04	536	5.50E-04	603	9.12E-04	670	6.26E-04	737	1.05E-04
403	3.00E-06	470	3.75E-04	537	5.52E-04	604	9.20E-04	671	6.14E-04	738	1.01E-04
404	3.20E-06	471	3.65E-04	538	5.56E-04	605	9.27E-04	672	6.01E-04	739	9.79E-05
405	3.60E-06	472	3.60E-04	539	5.64E-04	606	9.34E-04	673	5.89E-04	740	9.49E-05
406	3.80E-06	473	3.56E-04	540	5.67E-04	607	9.41E-04	674	5.79E-04	741	9.23E-05
407	4.00E-06	474	3.48E-04	541	5.72E-04	608	9.44E-04	675	5.66E-04	742	8.91E-05
408	4.30E-06	475	3.39E-04	542	5.78E-04	609	9.54E-04	676	5.54E-04	743	8.63E-05
409	5.00E-06	476	3.25E-04	543	5.80E-04	610	9.55E-04	677	5.43E-04	744	8.28E-05
410	5.30E-06	477	3.17E-04	544	5.83E-04	611	9.61E-04	678	5.32E-04	745	8.10E-05
411	6.00E-06	478	3.08E-04	545	5.87E-04	612	9.68E-04	679	5.20E-04	746	7.81E-05
412	6.00E-06	479	3.03E-04	546	5.90E-04	613	9.76E-04	680	5.09E-04	747	7.59E-05
413	7.20E-06	480	2.99E-04	547	5.93E-04	614	9.79E-04	681	4.96E-04	748	7.41E-05
414	7.70E-06	481	2.99E-04	548	5.99E-04	615	9.81E-04	682	4.85E-04	749	7.13E-05
415	8.80E-06	482	3.00E-04	549	6.02E-04	616	9.83E-04	683	4.76E-04	750	6.97E-05
416	9.80E-06	483	3.05E-04	550	6.07E-04	617	9.84E-04	684	4.64E-04	751	6.73E-05
417	1.08E-05	484	3.10E-04	551	6.13E-04	618	9.88E-04	685	4.54E-04	752	6.51E-05
418	1.26E-05	485	3.19E-04	552	6.16E-04	619	9.91E-04	686	4.43E-04	753	6.36E-05
419	1.35E-05	486	3.26E-04	553	6.20E-04	620	9.90E-04	687	4.34E-04	754	6.13E-05
420	1.56E-05	487	3.35E-04	554	6.21E-04	621	9.93E-04	688	4.23E-04	755	5.95E-05
421	1.73E-05	488	3.45E-04	555	6.27E-04	622	9.97E-04	689	4.11E-04	756	5.73E-05
422	1.90E-05	489	3.52E-04	556	6.31E-04	623	9.98E-04	690	4.02E-04	757	5.50E-05
423	2.11E-05	490	3.57E-04	557	6.35E-04	624	9.95E-04	691	3.92E-04	758	5.41E-05
424	2.35E-05	491	3.63E-04	558	6.39E-04	625	9.99E-04	692	3.83E-04	759	5.19E-05
425	2.54E-05	492	3.68E-04	559	6.41E-04	626	9.97E-04	693	3.74E-04	760	5.05E-05
426	2.93E-05	493	3.72E-04	560	6.46E-04	627	9.95E-04	694	3.64E-04	761	4.87E-05
427	3.27E-05	494	3.80E-04	561	6.49E-04	628	9.93E-04	695	3.55E-04	762	4.75E-05
428	3.61E-05	495	3.86E-04	562	6.52E-04	629	9.91E-04	696	3.47E-04	763	4.62E-05
429	4.04E-05	496	3.91E-04	563	6.57E-04	630	9.84E-04	697	3.37E-04	764	4.46E-05
430	4.50E-05	497	3.96E-04	564	6.61E-04	631	9.84E-04	698	3.29E-04	765	4.27E-05
431	4.92E-05	498	4.03E-04	565	6.66E-04	632	9.82E-04	699	3.20E-04	766	4.16E-05
432	5.34E-05	499	4.10E-04	566	6.71E-04	633	9.76E-04	700	3.12E-04	767	4.02E-05
433	5.93E-05	500	4.16E-04	567	6.73E-04	634	9.74E-04	701	3.03E-04	768	3.90E-05
434	6.56E-05	501	4.25E-04	568	6.80E-04	635	9.70E-04	702	2.95E-04	769	3.76E-05
435	7.10E-05	502	4.31E-04	569	6.87E-04	636	9.64E-04	703	2.88E-04	770	3.67E-05
436	8.02E-05	503	4.35E-04	570	6.88E-04	637	9.60E-04	704	2.80E-04	771	3.56E-05
437	8.83E-05	504	4.42E-04	571	6.94E-04	638	9.50E-04	705	2.72E-04	772	3.41E-05
438	9.93E-05	505	4.50E-04	572	6.99E-04	639	9.43E-04	706	2.65E-04	773	3.35E-05
439	1.10E-04	506	4.53E-04	573	7.03E-04	640	9.37E-04	707	2.57E-04	774	3.22E-05
440	1.21E-04	507	4.58E-04	574	7.08E-04	641	9.27E-04	708	2.51E-04	775	3.10E-05
441	1.33E-04	508	4.64E-04	575	7.14E-04	642	9.19E-04	709	2.44E-04	776	3.05E-05
442	1.48E-04	509	4.67E-04	576	7.19E-04	643	9.14E-04	710	2.37E-04	777	2.92E-05
443	1.65E-04	510	4.70E-04	577	7.24E-04	644	9.07E-04	711	2.30E-04	778	2.82E-05
444	1.82E-04	511	4.75E-04	578	7.26E-04	645	8.99E-04	712	2.23E-04	779	2.80E-05
445	2.05E-04	512	4.75E-04	579	7.33E-04	646	8.91E-04	713	2.18E-04	780	2.81E-05
446	2.28E-04	513	4.78E-04	580	7.39E-04	647	8.80E-04	714	2.11E-04	N/A	N/A



## 4.0 LM-79 Measurement and Test Results

### 4.2 Goniophotometer Test

Model No.	PIVOTM24DB @6W3000K	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	0.051	5.8	0.945
NON-WORST CASE	N/A	N/A	N/A	N/A	N/A

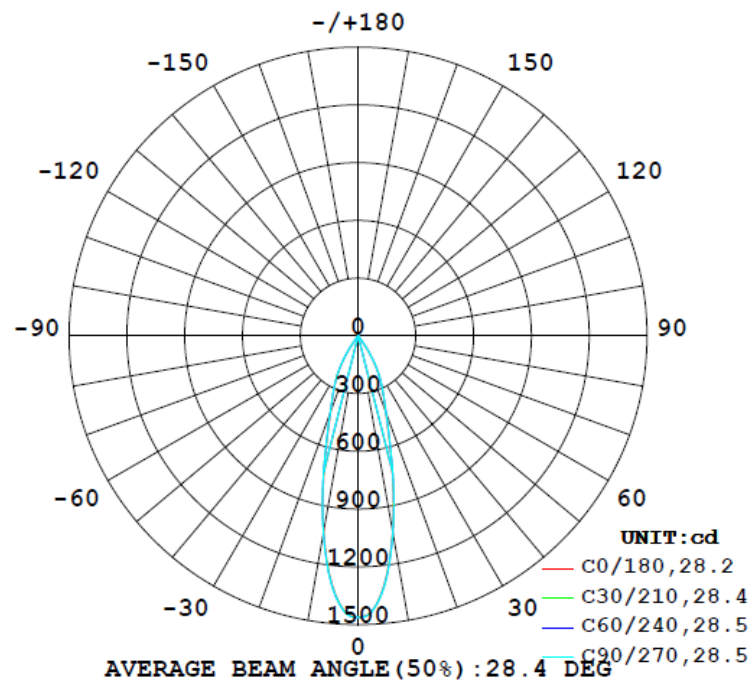
#### Test Result

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°)
503	63.2	63.8	28.3	28.5	86.7	100.0%

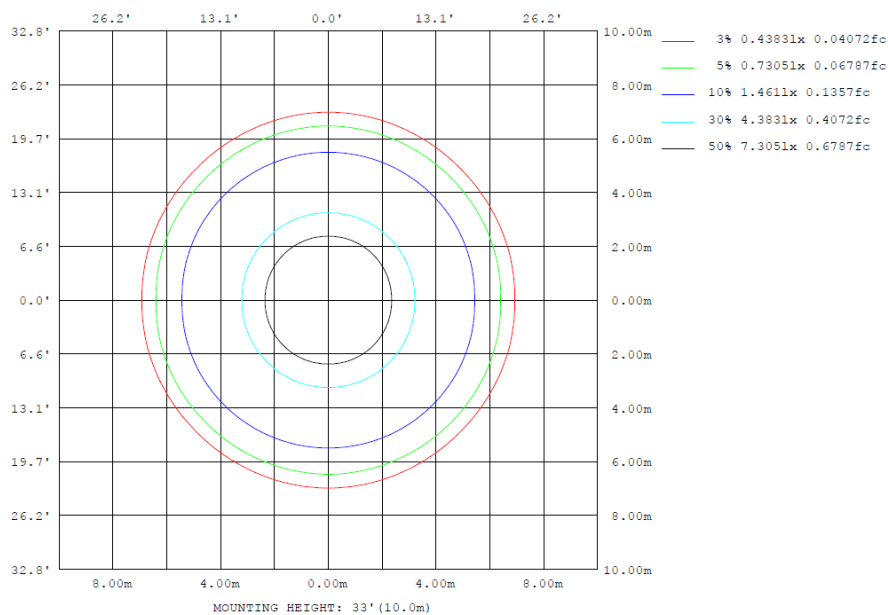
## 4.2 Goniophotometer Test

### Lighting Distribution Curve

#### LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



### Isolux Plot



## 4.2 Goniophotometer Test

### Zonal Lumen Summary

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	1032	1039	1041	1039	1032	1039	1041	1039	0- 10	118.9	118.9	23.7,23.7
20	418.2	423.8	425.8	423.8	418.2	423.8	425.8	423.8	10- 20	187.6	306.5	61,61
30	181.9	189.9	189.5	189.9	181.9	189.9	189.5	189.9	20- 30	135.0	441.6	87.9,87.9
40	12.86	13.12	13.15	13.12	12.86	13.12	13.15	13.12	30- 40	49.08	490.6	97.6,97.6
50	5.948	6.049	5.975	6.049	5.948	6.049	5.975	6.049	40- 50	6.232	496.9	98.9,98.9
60	2.755	2.923	2.966	2.923	2.755	2.923	2.966	2.923	50- 60	4.175	501.0	99.7,99.7
70	0.4719	0.5329	0.5286	0.5329	0.4719	0.5329	0.5286	0.5329	60- 70	1.444	502.5	100,100
80	0.0145	0.0142	0.0145	0.0142	0.0145	0.0142	0.0145	0.0142	70- 80	0.0968	502.6	100,100
90	0	0	0	0	0	0	0	0	80- 90	0.0082	502.6	100,100
100	0	0	0	0	0	0	0	0	90-100	0	502.6	100,100
110	0	0	0	0	0	0	0	0	100-110	0	502.6	100,100
120	0	0	0	0	0	0	0	0	110-120	0	502.6	100,100
130	0	0	0	0	0	0	0	0	120-130	0	502.6	100,100
140	0	0	0	0	0	0	0	0	130-140	0	502.6	100,100
150	0	0	0	0	0	0	0	0	140-150	0	502.6	100,100
160	0	0	0	0	0	0	0	0	150-160	0	502.6	100,100
170	0	0	0	0	0	0	0	0	160-170	0	502.6	100,100
180	0	0	0	0	0	0	0	0	170-180	0	502.6	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Zonal (lm)		Total (lm)		Percent
0-10	118.92	0-10	118.92	23.66%
10-20	187.61	0-20	306.53	60.99%
20-30	135.04	0-30	441.57	87.86%
30-40	49.08	0-40	490.65	97.62%
40-50	6.23	0-50	496.88	98.86%
50-60	4.17	0-60	501.05	99.69%
60-70	1.44	0-70	502.49	99.98%
70-80	0.10	0-80	502.59	100.00%
80-90	0.01	0-90	502.60	100.00%
90-100	0.00	0-100	502.60	100.00%
100-110	0.00	0-110	502.60	100.00%
110-120	0.00	0-120	502.60	100.00%
120-130	0.00	0-130	502.60	100.00%
130-140	0.00	0-140	502.60	100.00%
140-150	0.00	0-150	502.60	100.00%
150-160	0.00	0-160	502.60	100.00%
160-170	0.00	0-170	502.60	100.00%
170-180	0.00	0-180	502.60	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	1461	1461	1461	1461	1461	1462	1462	1462	1461	1461	1461	1461	1461	1461	1461	1461	1461	1462	1462
5	1350	1352	1353	1354	1355	1356	1356	1356	1355	1354	1353	1352	1350	1352	1353	1354	1355	1356	1356
10	1032	1035	1038	1039	1041	1043	1041	1043	1041	1039	1038	1035	1032	1035	1038	1039	1041	1043	1041
15	669	673	676	679	681	682	680	682	681	679	676	673	669	673	676	679	681	682	680
20	418	421	422	424	425	425	426	425	424	422	421	418	421	422	424	425	425	426	425
25	293	295	296	295	296	296	297	296	296	295	296	295	293	295	296	295	296	296	297
30	182	186	189	190	190	190	189	190	190	189	186	182	186	189	190	190	190	189	189
35	72.2	74.6	73.2	72.7	74.7	76.7	78.4	76.7	74.7	72.7	73.2	74.6	72.2	74.6	73.2	72.7	74.7	76.7	78.4
40	12.9	13.2	13.3	13.1	13.1	13.1	13.1	13.1	13.1	13.3	13.2	12.9	13.2	13.3	13.1	13.1	13.1	13.1	13.1
45	7.39	7.63	7.69	7.51	7.46	7.45	7.39	7.45	7.46	7.51	7.69	7.63	7.39	7.63	7.69	7.51	7.46	7.45	7.39
50	5.95	6.14	6.17	6.05	5.97	6.00	5.98	6.00	5.97	6.05	6.17	6.14	5.95	6.14	6.17	6.05	5.97	6.00	5.98
55	4.66	4.81	4.83	4.78	4.79	4.79	4.79	4.79	4.78	4.83	4.81	4.66	4.81	4.83	4.78	4.79	4.79	4.79	4.79
60	2.75	2.87	2.92	2.92	2.95	2.97	2.97	2.97	2.95	2.92	2.92	2.87	2.75	2.87	2.92	2.92	2.95	2.97	2.97
65	1.22	1.29	1.34	1.35	1.37	1.38	1.32	1.38	1.37	1.35	1.34	1.29	1.22	1.29	1.34	1.35	1.37	1.38	1.32
70	0.47	0.52	0.54	0.53	0.51	0.51	0.53	0.51	0.51	0.53	0.54	0.52	0.47	0.52	0.54	0.53	0.51	0.51	0.53
75	0.03	0.03	0.03	0.03	0.02	0.03	0.03	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.03
80	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
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	1462	1461	1461	1461	1461														
5	1356	1355	1354	1353	1352														
10	1043	1041	1039	1038	1035														
15	682	681	679	676	673														
20	425	425	424	422	421														
25	296	296	295	296	295														
30	190	190	190	189	186														
35	76.7	74.7	72.7	73.2	74.6														
40	13.1	13.1	13.1	13.3	13.2														
45	7.45	7.46	7.51	7.69	7.63														
50	6.00	5.97	6.05	6.17	6.14														
55	4.79	4.79	4.78	4.83	4.81														
60	2.97	2.95	2.92	2.92	2.87														
65	1.38	1.37	1.35	1.34	1.29														
70	0.51	0.51	0.53	0.54	0.52														
75	0.03	0.02	0.03	0.03	0.03														
80	0.01	0.01	0.01	0.01	0.01														
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 @6W3000K	<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	0.051	5.8	0.945	14.15

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