

## 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		810
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Standard	Premium	83.5
			95	110	
Power (Input Wattage) (W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	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	12.40
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-79:2019	7 steps	3045±175	2999
			4 steps	3045±100	
Minimum CRI (Integrating Sphere – Section 4.1)		ANSI/IES LM-79:2019 CIE13.3-1995	≥80		95.0
Minimum R9 (Integrating Sphere – Section 4.1)		ANSI/IES LM-79-2019 CIE13.3-1995	≥0		73
Minimum Rf (Integrating Sphere – Section 4.1)		ANSI/IES TM-30-18	≥70		92
Minimum Rg (Integrating Sphere – Section 4.1)		ANSI/IES TM-30-18	≥89		98
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		0.083
(Goniophotometer – Section 4.2)			Non-Worst Case		N/A
Power (Input Wattage – W)					
(Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	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	2025-09-09	PIVOTM24DB @10W3000K	-	250903023-S1
2	Goniophotometer Test	2025-09-09	PIVOTM24DB @10W3000K	-	250903023-S1
3	THD and PF Test	2025-09-09	PIVOTM24DB @10W3000K	-	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 @10W3000K, 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 @10W3000K	Sample ID	250903023-S1
Operate time (Min.)	10	Stabilization time (Min.)	60
Temperature (°C)	25.4	Humidity (%RH)	41.0

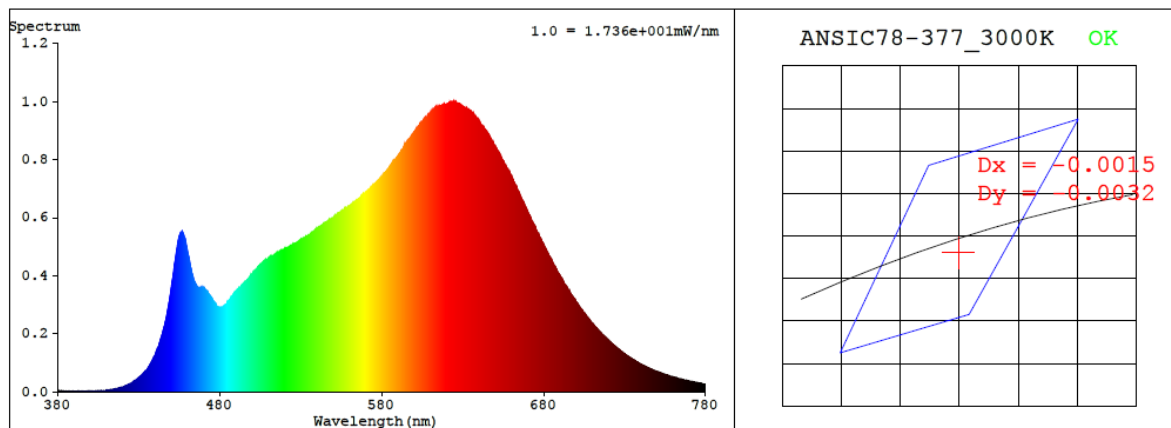
Test Method
<p>The Samples were tested according to the ANSI/IES LM-79:2019.</p> <p>Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at 25±1°C.</p> <p>The sample measurements were made 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	0.083	9.7	0.975

CCT (K)	CRI	R9	Duv	SDCM	Rf	Rg	IES Rcs,h1
2999	95.0	73	-0.0011	2.0	92	98	-3%

## 4.1 Integrating Sphere Test



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4355$   $y = 0.4009$  /  $u' = 0.2510$   $v' = 0.5199$  ( $duv = -1.06e-03$ )

CCT= 2999K Prcp WL:  $L_d = 583.2\text{nm}$  Purity=51.0%

Peak WL:  $L_p = 625\text{nm}$  FWHM:  $= 156.9\text{nm}$  Ratio:  $R = 24.9\%$   $G = 71.6\%$   $B = 3.4\%$

Render Index:  $R_a = 95.0$  AvgR = 93.7 TM30:  $R_f = 93$   $R_g = 99$

EEL: 0.14745 A+

R1 =98	R2 =99	R3 =97	R4 =96	R5 =97	R6 =95	R7 =92
R8 =86	R9 =73	R10=99	R11=99	R12=84	R13=99	R14=99 R15=94

## 4.1 Integrating Sphere Test

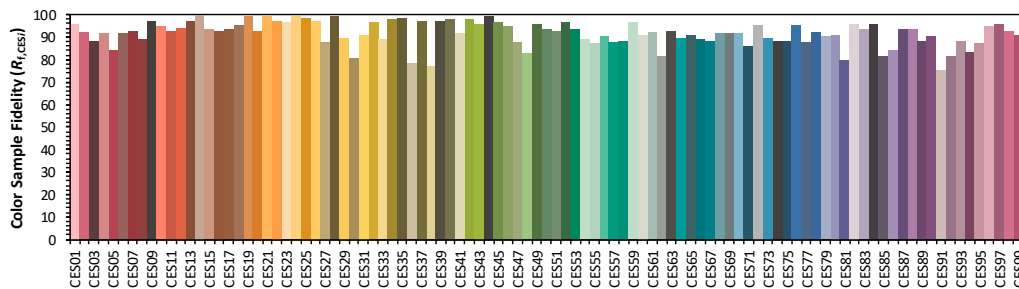
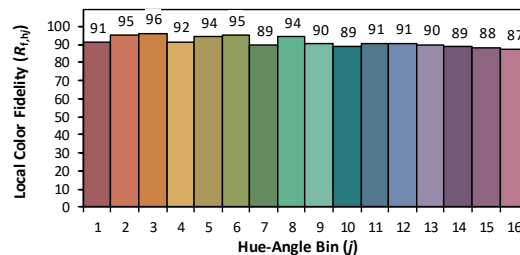
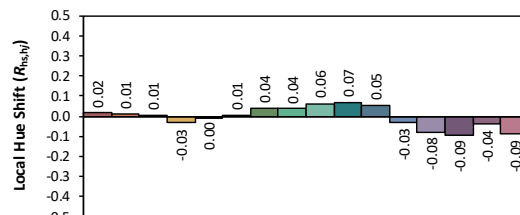
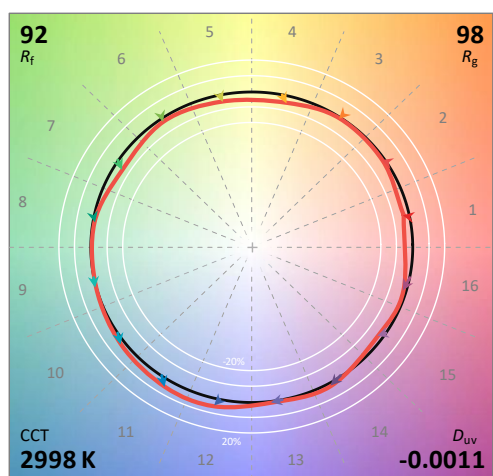
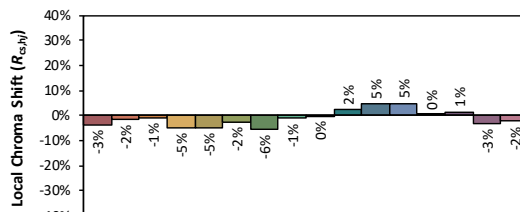
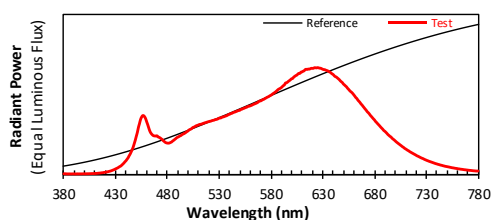
### ANSI/IES TM-30-18 Color Rendition Report

Source: 1 CIE F1

Manufacturer: RAB Lighting Inc.

Date: 2025/9/19

Model: PIVOTM24DB @10W3000K



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

$x$  0.4355  
 $y$  0.4008  
 $u'$  0.2510  
 $v'$  0.5199

CIE 13.3-1995  
(CRI)  
 $R_a$  95  
 $R_g$  73



## 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	2.80E-06	447	2.55E-04	514	4.74E-04	581	7.47E-04	648	8.66E-04	715	2.05E-04
381	3.40E-06	448	2.86E-04	515	4.77E-04	582	7.54E-04	649	8.58E-04	716	2.00E-04
382	2.50E-06	449	3.19E-04	516	4.80E-04	583	7.60E-04	650	8.45E-04	717	1.94E-04
383	1.90E-06	450	3.56E-04	517	4.83E-04	584	7.68E-04	651	8.37E-04	718	1.89E-04
384	1.50E-06	451	3.91E-04	518	4.86E-04	585	7.75E-04	652	8.27E-04	719	1.84E-04
385	2.00E-06	452	4.37E-04	519	4.89E-04	586	7.84E-04	653	8.18E-04	720	1.78E-04
386	1.40E-06	453	4.72E-04	520	4.92E-04	587	7.93E-04	654	8.05E-04	721	1.72E-04
387	1.40E-06	454	5.10E-04	521	4.95E-04	588	7.99E-04	655	7.95E-04	722	1.68E-04
388	1.60E-06	455	5.33E-04	522	4.97E-04	589	8.04E-04	656	7.84E-04	723	1.63E-04
389	1.90E-06	456	5.47E-04	523	5.01E-04	590	8.11E-04	657	7.74E-04	724	1.58E-04
390	1.60E-06	457	5.48E-04	524	5.04E-04	591	8.20E-04	658	7.66E-04	725	1.53E-04
391	1.10E-06	458	5.37E-04	525	5.05E-04	592	8.30E-04	659	7.56E-04	726	1.48E-04
392	1.60E-06	459	5.19E-04	526	5.10E-04	593	8.36E-04	660	7.44E-04	727	1.45E-04
393	2.30E-06	460	4.90E-04	527	5.12E-04	594	8.54E-04	661	7.31E-04	728	1.39E-04
394	1.60E-06	461	4.63E-04	528	5.15E-04	595	8.56E-04	662	7.18E-04	729	1.35E-04
395	2.00E-06	462	4.32E-04	529	5.19E-04	596	8.62E-04	663	7.09E-04	730	1.31E-04
396	1.80E-06	463	4.04E-04	530	5.25E-04	597	8.71E-04	664	6.94E-04	731	1.27E-04
397	2.00E-06	464	3.85E-04	531	5.26E-04	598	8.78E-04	665	6.83E-04	732	1.23E-04
398	2.00E-06	465	3.73E-04	532	5.28E-04	599	8.86E-04	666	6.72E-04	733	1.19E-04
399	2.70E-06	466	3.64E-04	533	5.35E-04	600	8.94E-04	667	6.58E-04	734	1.16E-04
400	2.60E-06	467	3.59E-04	534	5.36E-04	601	8.97E-04	668	6.48E-04	735	1.12E-04
401	2.60E-06	468	3.58E-04	535	5.40E-04	602	9.09E-04	669	6.35E-04	736	1.09E-04
402	3.10E-06	469	3.57E-04	536	5.44E-04	603	9.16E-04	670	6.23E-04	737	1.05E-04
403	3.20E-06	470	3.59E-04	537	5.47E-04	604	9.24E-04	671	6.10E-04	738	1.02E-04
404	3.30E-06	471	3.49E-04	538	5.52E-04	605	9.28E-04	672	5.99E-04	739	9.83E-05
405	3.80E-06	472	3.45E-04	539	5.58E-04	606	9.37E-04	673	5.85E-04	740	9.60E-05
406	3.90E-06	473	3.39E-04	540	5.60E-04	607	9.45E-04	674	5.76E-04	741	9.24E-05
407	4.60E-06	474	3.31E-04	541	5.67E-04	608	9.44E-04	675	5.65E-04	742	9.01E-05
408	4.40E-06	475	3.24E-04	542	5.69E-04	609	9.56E-04	676	5.52E-04	743	8.70E-05
409	4.80E-06	476	3.13E-04	543	5.74E-04	610	9.58E-04	677	5.41E-04	744	8.40E-05
410	5.70E-06	477	3.05E-04	544	5.79E-04	611	9.65E-04	678	5.30E-04	745	8.21E-05
411	6.10E-06	478	2.97E-04	545	5.81E-04	612	9.68E-04	679	5.18E-04	746	7.90E-05
412	6.90E-06	479	2.93E-04	546	5.85E-04	613	9.79E-04	680	5.08E-04	747	7.66E-05
413	8.00E-06	480	2.91E-04	547	5.89E-04	614	9.83E-04	681	4.94E-04	748	7.38E-05
414	8.90E-06	481	2.90E-04	548	5.94E-04	615	9.81E-04	682	4.84E-04	749	7.19E-05
415	9.70E-06	482	2.92E-04	549	5.96E-04	616	9.85E-04	683	4.73E-04	750	7.00E-05
416	1.14E-05	483	2.97E-04	550	5.99E-04	617	9.84E-04	684	4.63E-04	751	6.81E-05
417	1.24E-05	484	3.01E-04	551	6.07E-04	618	9.88E-04	685	4.53E-04	752	6.61E-05
418	1.36E-05	485	3.09E-04	552	6.09E-04	619	9.92E-04	686	4.41E-04	753	6.39E-05
419	1.58E-05	486	3.16E-04	553	6.14E-04	620	9.92E-04	687	4.31E-04	754	6.17E-05
420	1.67E-05	487	3.24E-04	554	6.17E-04	621	9.92E-04	688	4.21E-04	755	5.95E-05
421	1.92E-05	488	3.32E-04	555	6.22E-04	622	9.97E-04	689	4.09E-04	756	5.82E-05
422	2.10E-05	489	3.41E-04	556	6.25E-04	623	9.97E-04	690	4.02E-04	757	5.63E-05
423	2.35E-05	490	3.46E-04	557	6.29E-04	624	9.96E-04	691	3.92E-04	758	5.42E-05
424	2.60E-05	491	3.51E-04	558	6.35E-04	625	9.98E-04	692	3.82E-04	759	5.30E-05
425	2.85E-05	492	3.57E-04	559	6.37E-04	626	9.97E-04	693	3.71E-04	760	5.14E-05
426	3.18E-05	493	3.61E-04	560	6.40E-04	627	9.94E-04	694	3.63E-04	761	4.92E-05
427	3.56E-05	494	3.69E-04	561	6.44E-04	628	9.93E-04	695	3.54E-04	762	4.83E-05
428	3.96E-05	495	3.75E-04	562	6.48E-04	629	9.88E-04	696	3.48E-04	763	4.62E-05
429	4.38E-05	496	3.79E-04	563	6.53E-04	630	9.83E-04	697	3.36E-04	764	4.51E-05
430	4.90E-05	497	3.85E-04	564	6.57E-04	631	9.80E-04	698	3.28E-04	765	4.38E-05
431	5.34E-05	498	3.92E-04	565	6.62E-04	632	9.79E-04	699	3.21E-04	766	4.23E-05
432	5.81E-05	499	3.99E-04	566	6.66E-04	633	9.75E-04	700	3.12E-04	767	4.07E-05
433	6.44E-05	500	4.05E-04	567	6.71E-04	634	9.71E-04	701	3.03E-04	768	3.99E-05
434	7.07E-05	501	4.14E-04	568	6.78E-04	635	9.68E-04	702	2.95E-04	769	3.83E-05
435	7.58E-05	502	4.19E-04	569	6.85E-04	636	9.61E-04	703	2.87E-04	770	3.73E-05
436	8.46E-05	503	4.24E-04	570	6.86E-04	637	9.56E-04	704	2.80E-04	771	3.59E-05
437	9.40E-05	504	4.32E-04	571	6.91E-04	638	9.49E-04	705	2.72E-04	772	3.48E-05
438	1.04E-04	505	4.39E-04	572	6.97E-04	639	9.40E-04	706	2.65E-04	773	3.40E-05
439	1.16E-04	506	4.42E-04	573	7.01E-04	640	9.35E-04	707	2.57E-04	774	3.28E-05
440	1.25E-04	507	4.48E-04	574	7.07E-04	641	9.24E-04	708	2.51E-04	775	3.15E-05
441	1.39E-04	508	4.54E-04	575	7.13E-04	642	9.15E-04	709	2.43E-04	776	3.06E-05
442	1.52E-04	509	4.57E-04	576	7.18E-04	643	9.11E-04	710	2.36E-04	777	2.98E-05
443	1.71E-04	510	4.61E-04	577	7.23E-04	644	9.03E-04	711	2.30E-04	778	2.87E-05
444	1.88E-04	511	4.65E-04	578	7.28E-04	645	8.95E-04	712	2.23E-04	779	2.85E-05
445	2.08E-04	512	4.67E-04	579	7.35E-04	646	8.86E-04	713	2.18E-04	780	2.86E-05
446	2.30E-04	513	4.69E-04	580	7.40E-04	647	8.75E-04	714	2.11E-04	N/A	N/A



## 4.0 LM-79 Measurement and Test Results

### 4.2 Goniophotometer Test

Model No.	PIVOTM24DB @10W3000K	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	0.083	9.7	0.975
NON-WORST CASE	N/A	N/A	N/A	N/A	N/A

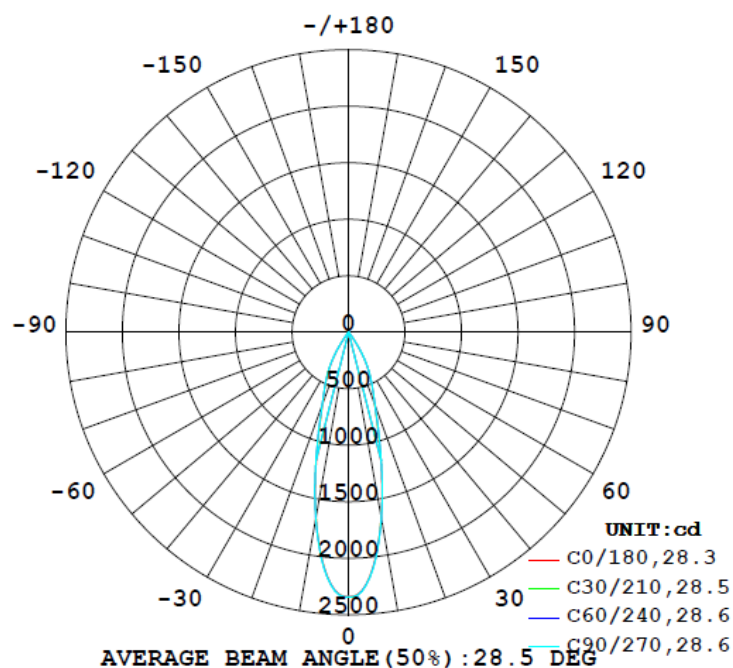
#### Test Result

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°)
810	63.3	63.8	28.4	28.6	83.5	100.0%

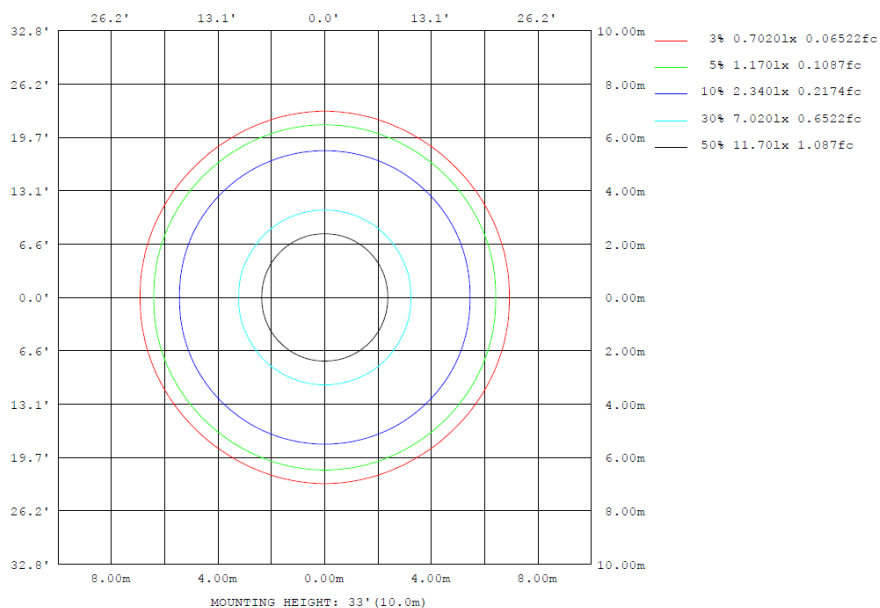
## 4.2 Goniophotometer Test

### Lighting Distribution Curve

#### LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



### Isolux Plot



## 4.2 Goniophotometer Test

### Zonal Lumen Summary

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	1661	1673	1675	1673	1661	1673	1675	1673	0- 10	190.9	190.9	23.6, 23.6
20	674.4	682.9	686.3	682.9	674.4	682.9	686.3	682.9	10- 20	302.9	493.8	61, 61
30	292.9	305.7	304.6	305.7	292.9	305.7	304.6	305.7	20- 30	217.6	711.3	87.8, 87.8
40	20.66	21.06	21.09	21.06	20.66	21.06	21.09	21.06	30- 40	79.39	790.7	97.6, 97.6
50	9.587	9.748	9.614	9.748	9.587	9.748	9.614	9.748	40- 50	9.920	800.6	98.9, 98.9
60	4.451	4.706	4.773	4.706	4.451	4.706	4.773	4.706	50- 60	6.732	807.4	99.7, 99.7
70	0.7559	0.8529	0.8489	0.8529	0.7559	0.8529	0.8489	0.8529	60- 70	2.323	809.7	100, 100
80	0.0235	0.0222	0.0231	0.0222	0.0235	0.0222	0.0231	0.0222	70- 80	0.1545	809.8	100, 100
90	0	0	0	0	0	0	0	0	80- 90	0.0130	809.9	100, 100
100	0	0	0	0	0	0	0	0	90-100	0	809.9	100, 100
110	0	0	0	0	0	0	0	0	100-110	0	809.9	100, 100
120	0	0	0	0	0	0	0	0	110-120	0	809.9	100, 100
130	0	0	0	0	0	0	0	0	120-130	0	809.9	100, 100
140	0	0	0	0	0	0	0	0	130-140	0	809.9	100, 100
150	0	0	0	0	0	0	0	0	140-150	0	809.9	100, 100
160	0	0	0	0	0	0	0	0	150-160	0	809.9	100, 100
170	0	0	0	0	0	0	0	0	160-170	0	809.9	100, 100
180	0	0	0	0	0	0	0	0	170-180	0	809.9	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Zonal (lm)		Total (lm)		Percent
0-10	190.92	0-10	190.92	23.58%
10-20	302.85	0-20	493.77	60.97%
20-30	217.55	0-30	711.32	87.83%
30-40	79.39	0-40	790.71	97.64%
40-50	9.92	0-50	800.63	98.86%
50-60	6.73	0-60	807.36	99.69%
60-70	2.32	0-70	809.68	99.98%
70-80	0.15	0-80	809.83	100.00%
80-90	0.01	0-90	809.84	100.00%
90-100	0.00	0-100	809.84	100.00%
100-110	0.00	0-110	809.84	100.00%
110-120	0.00	0-120	809.84	100.00%
120-130	0.00	0-130	809.84	100.00%
130-140	0.00	0-140	809.84	100.00%
140-150	0.00	0-150	809.84	100.00%
150-160	0.00	0-160	809.84	100.00%
160-170	0.00	0-170	809.84	100.00%
170-180	0.00	0-180	809.84	100.00%

## 4.2 Goniophotometer Test

### Luminous Distribution Intensity Data

Table--1

UNIT: cd

C (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
y (DEG)	0	2340	2340	2340	2341	2341	2342	2341	2341	2341	2340	2340	2340	2340	2340	2341	2341	2341	2342
5	2167	2169	2171	2172	2173	2175	2175	2175	2173	2172	2171	2169	2167	2169	2171	2172	2173	2175	2175
10	1661	1666	1668	1673	1674	1677	1675	1677	1674	1673	1668	1666	1661	1666	1668	1673	1674	1677	1675
15	1080	1085	1088	1093	1097	1099	1095	1099	1097	1093	1088	1085	1080	1085	1088	1093	1097	1099	1095
20	674	678	680	683	685	686	686	686	685	683	680	678	674	678	680	683	685	686	686
25	472	476	476	476	477	477	477	477	477	476	476	476	472	476	476	476	477	477	479
30	293	299	304	306	306	306	305	306	306	306	304	299	293	299	304	306	306	306	305
35	115	117	116	115	116	121	125	121	116	115	116	117	115	117	116	115	116	121	125
40	20.7	21.2	21.4	21.1	20.9	21.0	21.1	21.0	20.9	21.1	21.4	21.2	20.7	21.2	21.4	21.1	20.9	21.0	21.1
45	11.9	12.3	12.4	12.1	12.0	12.0	11.9	12.0	12.0	12.1	12.4	12.3	11.9	12.3	12.4	12.1	12.0	12.0	11.9
50	9.59	9.90	9.95	9.75	9.63	9.67	9.61	9.67	9.63	9.75	9.95	9.90	9.59	9.90	9.95	9.75	9.63	9.67	9.61
55	7.52	7.75	7.79	7.71	7.72	7.72	7.72	7.72	7.72	7.71	7.79	7.75	7.52	7.75	7.79	7.71	7.72	7.72	7.72
60	4.45	4.62	4.71	4.71	4.76	4.79	4.77	4.79	4.76	4.71	4.71	4.62	4.45	4.62	4.71	4.71	4.76	4.79	4.77
65	1.95	2.08	2.16	2.17	2.20	2.21	2.13	2.21	2.20	2.17	2.16	2.08	1.95	2.08	2.16	2.17	2.20	2.21	2.13
70	0.76	0.83	0.86	0.85	0.81	0.81	0.85	0.81	0.81	0.85	0.86	0.83	0.76	0.83	0.86	0.85	0.81	0.81	0.85
75	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.04	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)	285	300	315	330	345														
y (DEG)	0	2341	2341	2341	2340	2340													
5	2175	2173	2172	2171	2169														
10	1677	1674	1673	1668	1666														
15	1099	1097	1093	1088	1085														
20	686	685	683	680	678														
25	477	477	476	476	476														
30	306	306	306	304	299														
35	121	116	115	116	117														
40	21.0	20.9	21.1	21.4	21.2														
45	12.0	12.0	12.1	12.4	12.3														
50	9.67	9.63	9.75	9.95	9.90														
55	7.72	7.72	7.71	7.79	7.75														
60	4.79	4.76	4.71	4.71	4.62														
65	2.21	2.20	2.17	2.16	2.08														
70	0.81	0.81	0.85	0.86	0.83														
75	0.04	0.04	0.04	0.04	0.04														
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 @10W3000K	<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	0.083	9.7	0.975	12.40

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