

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		785
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Standard	Premium	80.1
			95	110	
Power (Input Wattage) (W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Case		9.8
Total Harmonic Distortion (A%) (THD & PF – Section 4.3)		ANSI C82.77:2002 ANSI C82-77-10:2020	20.00%	120V	12.37
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	2725±145	2731
			4 steps	2725±83	
Minimum CRI (Integrating Sphere – Section 4.1)		ANSI/IES LM-79:2019 CIE13.3-1995	≥80		94.7
Minimum R9 (Integrating Sphere – Section 4.1)		ANSI/IES LM-79-2019 CIE13.3-1995	≥0		66
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		97
IES Rcs,h1 (Integrating Sphere – Section 4.1)		ANSI/IES TM-30-18	-12%≤IES Rcs,h1≤+23%		-4%
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		0.084
(Goniophotometer – Section 4.2)			Non-Worst Case		N/A
Power (Input Wattage – W)					
(Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Case		9.8
(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 @10W2700K	-	250903023-S1
2	Goniophotometer Test	2025-09-09	PIVOTM24DB @10W2700K	-	250903023-S1
3	THD and PF Test	2025-09-09	PIVOTM24DB @10W2700K	-	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 @10W2700K, 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 @10W2700K	Sample ID	250903023-S1
Operate time (Min.)	10	Stabilization time (Min.)	60
Temperature (°C)	25.4	Humidity (%RH)	41.0

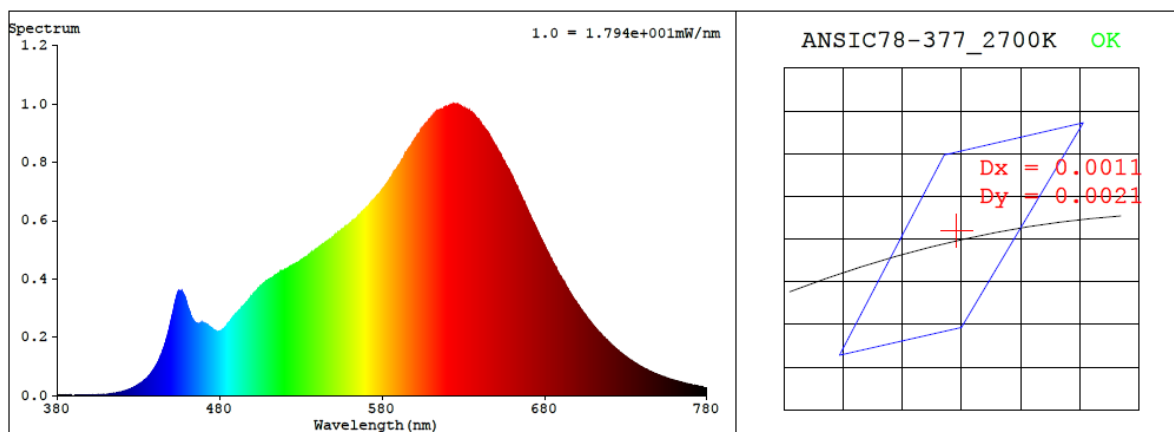
Test Method
<p>The Samples were tested according to the ANSI/IES LM-79:2019.</p> <p>Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at 25±1°C.</p> <p>The sample measurements were made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

Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
120.0	60	0.084	9.8	0.975

CCT (K)	CRI	R9	Duv	SDCM	Rf	Rg	IES Rcs,h1
2731	94.7	66	0.0007	0.4	92	97	-4%

4.1 Integrating Sphere Test



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4585$ $y = 0.4121$ / $u' = 0.2609$ $v' = 0.5277$ ($duv=6.78e-04$)

CCT= 2731K Prcp WL: $L_d=583.8nm$ Purity=61.3%

Peak WL: $L_p=624nm$ FWHM: $=141.5nm$ Ratio:R=26.6% G=70.6% B=2.8%

Render Index: $R_a = 94.7$ AvgR = 93.1 TM30:Rf=92 Rg=98

EEL: 0.15306 A+

R1 =96 R2 =100 R3 =98 R4 =95 R5 =96 R6 =97 R7 =92

R8 =84 R9 =66 R10=98 R11=98 R12=88 R13=98 R14=99 R15=91

4.1 Integrating Sphere Test

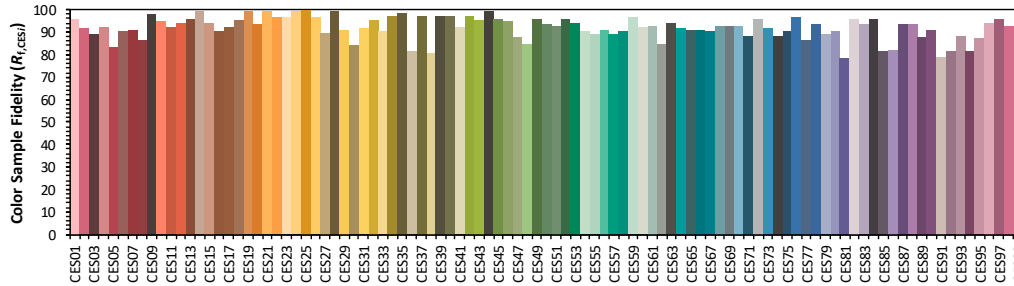
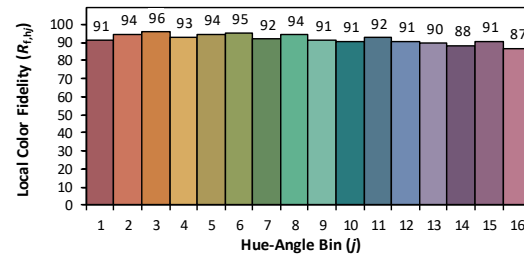
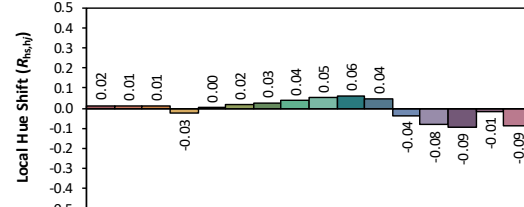
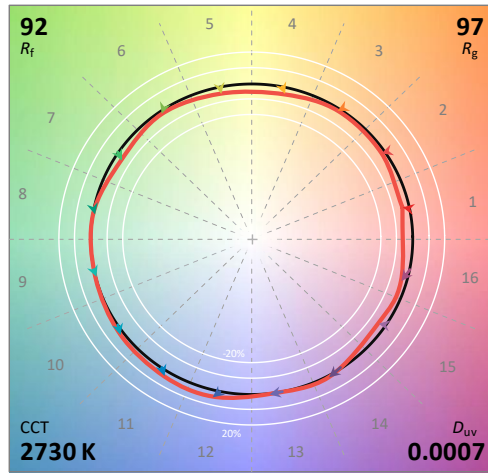
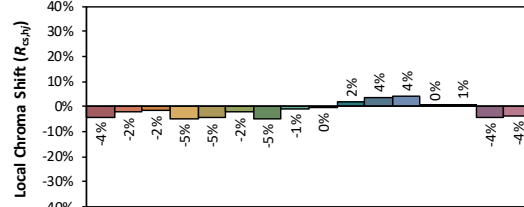
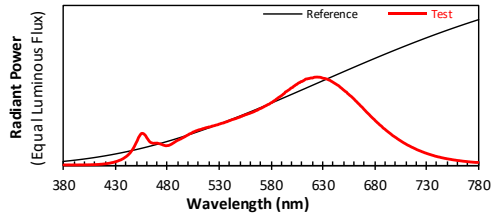
ANSI/IES TM-30-18 Color Rendition Report

Source: 1 CIE F1

Manufacturer: RAB Lighting Inc.

Date: 2025/9/19

Model: PIVOTM24DB @10W2700K



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

x 0.4585
 y 0.4121
 u' 0.2610
 v' 0.5277

CIE 13.3-1995
(CRI)
 R_a 95
 R_g 66

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	1.50E-06	447	1.88E-04	514	4.12E-04	581	7.10E-04	648	8.74E-04	715	2.09E-04
381	1.60E-06	448	2.09E-04	515	4.14E-04	582	7.20E-04	649	8.64E-04	716	2.03E-04
382	8.00E-07	449	2.32E-04	516	4.18E-04	583	7.28E-04	650	8.53E-04	717	1.98E-04
383	1.20E-06	450	2.57E-04	517	4.22E-04	584	7.34E-04	651	8.44E-04	718	1.92E-04
384	1.10E-06	451	2.79E-04	518	4.25E-04	585	7.45E-04	652	8.34E-04	719	1.87E-04
385	1.80E-06	452	3.08E-04	519	4.27E-04	586	7.53E-04	653	8.28E-04	720	1.81E-04
386	1.10E-06	453	3.28E-04	520	4.32E-04	587	7.63E-04	654	8.13E-04	721	1.75E-04
387	7.00E-07	454	3.46E-04	521	4.32E-04	588	7.70E-04	655	8.04E-04	722	1.70E-04
388	8.00E-07	455	3.58E-04	522	4.35E-04	589	7.78E-04	656	7.92E-04	723	1.65E-04
389	1.10E-06	456	3.59E-04	523	4.41E-04	590	7.86E-04	657	7.84E-04	724	1.60E-04
390	1.10E-06	457	3.55E-04	524	4.43E-04	591	7.94E-04	658	7.74E-04	725	1.56E-04
391	1.50E-06	458	3.45E-04	525	4.46E-04	592	8.06E-04	659	7.63E-04	726	1.51E-04
392	9.00E-07	459	3.32E-04	526	4.50E-04	593	8.13E-04	660	7.52E-04	727	1.47E-04
393	8.00E-07	460	3.11E-04	527	4.53E-04	594	8.29E-04	661	7.39E-04	728	1.42E-04
394	1.20E-06	461	2.95E-04	528	4.55E-04	595	8.34E-04	662	7.26E-04	729	1.37E-04
395	1.60E-06	462	2.78E-04	529	4.59E-04	596	8.42E-04	663	7.17E-04	730	1.34E-04
396	1.50E-06	463	2.64E-04	530	4.65E-04	597	8.50E-04	664	7.03E-04	731	1.29E-04
397	1.50E-06	464	2.55E-04	531	4.67E-04	598	8.58E-04	665	6.93E-04	732	1.26E-04
398	1.20E-06	465	2.51E-04	532	4.72E-04	599	8.69E-04	666	6.80E-04	733	1.22E-04
399	1.40E-06	466	2.47E-04	533	4.75E-04	600	8.77E-04	667	6.67E-04	734	1.18E-04
400	1.80E-06	467	2.47E-04	534	4.77E-04	601	8.82E-04	668	6.58E-04	735	1.14E-04
401	2.10E-06	468	2.48E-04	535	4.81E-04	602	8.94E-04	669	6.45E-04	736	1.11E-04
402	2.30E-06	469	2.47E-04	536	4.87E-04	603	9.00E-04	670	6.31E-04	737	1.08E-04
403	1.90E-06	470	2.49E-04	537	4.90E-04	604	9.10E-04	671	6.19E-04	738	1.03E-04
404	2.70E-06	471	2.46E-04	538	4.93E-04	605	9.15E-04	672	6.06E-04	739	9.98E-05
405	2.60E-06	472	2.42E-04	539	5.00E-04	606	9.25E-04	673	5.94E-04	740	9.74E-05
406	3.00E-06	473	2.40E-04	540	5.03E-04	607	9.33E-04	674	5.83E-04	741	9.38E-05
407	3.90E-06	474	2.35E-04	541	5.08E-04	608	9.36E-04	675	5.72E-04	742	9.12E-05
408	3.60E-06	475	2.32E-04	542	5.13E-04	609	9.47E-04	676	5.59E-04	743	8.94E-05
409	3.90E-06	476	2.26E-04	543	5.17E-04	610	9.48E-04	677	5.47E-04	744	8.58E-05
410	4.50E-06	477	2.23E-04	544	5.19E-04	611	9.55E-04	678	5.35E-04	745	8.31E-05
411	5.20E-06	478	2.19E-04	545	5.24E-04	612	9.61E-04	679	5.25E-04	746	8.06E-05
412	5.60E-06	479	2.19E-04	546	5.26E-04	613	9.70E-04	680	5.14E-04	747	7.80E-05
413	6.40E-06	480	2.21E-04	547	5.32E-04	614	9.77E-04	681	5.01E-04	748	7.54E-05
414	6.60E-06	481	2.22E-04	548	5.36E-04	615	9.77E-04	682	4.91E-04	749	7.37E-05
415	8.60E-06	482	2.26E-04	549	5.41E-04	616	9.81E-04	683	4.79E-04	750	7.07E-05
416	9.00E-06	483	2.31E-04	550	5.43E-04	617	9.82E-04	684	4.70E-04	751	6.91E-05
417	9.90E-06	484	2.37E-04	551	5.52E-04	618	9.86E-04	685	4.57E-04	752	6.69E-05
418	1.13E-05	485	2.45E-04	552	5.53E-04	619	9.88E-04	686	4.48E-04	753	6.52E-05
419	1.27E-05	486	2.51E-04	553	5.61E-04	620	9.87E-04	687	4.39E-04	754	6.34E-05
420	1.38E-05	487	2.60E-04	554	5.62E-04	621	9.92E-04	688	4.26E-04	755	6.07E-05
421	1.52E-05	488	2.67E-04	555	5.69E-04	622	9.96E-04	689	4.15E-04	756	5.89E-05
422	1.71E-05	489	2.74E-04	556	5.72E-04	623	9.97E-04	690	4.08E-04	757	5.69E-05
423	1.88E-05	490	2.81E-04	557	5.76E-04	624	9.98E-04	691	3.97E-04	758	5.57E-05
424	2.06E-05	491	2.85E-04	558	5.81E-04	625	9.98E-04	692	3.87E-04	759	5.34E-05
425	2.30E-05	492	2.92E-04	559	5.84E-04	626	9.97E-04	693	3.78E-04	760	5.18E-05
426	2.59E-05	493	2.97E-04	560	5.89E-04	627	9.97E-04	694	3.69E-04	761	5.04E-05
427	2.79E-05	494	3.04E-04	561	5.94E-04	628	9.95E-04	695	3.60E-04	762	4.95E-05
428	3.05E-05	495	3.09E-04	562	5.97E-04	629	9.91E-04	696	3.51E-04	763	4.73E-05
429	3.45E-05	496	3.16E-04	563	6.03E-04	630	9.87E-04	697	3.40E-04	764	4.61E-05
430	3.78E-05	497	3.22E-04	564	6.07E-04	631	9.83E-04	698	3.31E-04	765	4.42E-05
431	4.11E-05	498	3.30E-04	565	6.15E-04	632	9.83E-04	699	3.24E-04	766	4.29E-05
432	4.49E-05	499	3.36E-04	566	6.19E-04	633	9.79E-04	700	3.16E-04	767	4.16E-05
433	4.99E-05	500	3.42E-04	567	6.23E-04	634	9.76E-04	701	3.09E-04	768	4.05E-05
434	5.44E-05	501	3.51E-04	568	6.31E-04	635	9.71E-04	702	2.99E-04	769	3.94E-05
435	5.82E-05	502	3.55E-04	569	6.37E-04	636	9.65E-04	703	2.92E-04	770	3.80E-05
436	6.47E-05	503	3.61E-04	570	6.41E-04	637	9.62E-04	704	2.84E-04	771	3.65E-05
437	7.08E-05	504	3.67E-04	571	6.47E-04	638	9.53E-04	705	2.77E-04	772	3.58E-05
438	7.81E-05	505	3.75E-04	572	6.54E-04	639	9.47E-04	706	2.69E-04	773	3.38E-05
439	8.67E-05	506	3.78E-04	573	6.59E-04	640	9.39E-04	707	2.61E-04	774	3.34E-05
440	9.40E-05	507	3.84E-04	574	6.67E-04	641	9.32E-04	708	2.54E-04	775	3.20E-05
441	1.04E-04	508	3.89E-04	575	6.72E-04	642	9.24E-04	709	2.47E-04	776	3.14E-05
442	1.13E-04	509	3.93E-04	576	6.78E-04	643	9.17E-04	710	2.41E-04	777	3.02E-05
443	1.26E-04	510	3.98E-04	577	6.86E-04	644	9.09E-04	711	2.34E-04	778	2.95E-05
444	1.38E-04	511	4.01E-04	578	6.89E-04	645	9.03E-04	712	2.27E-04	779	2.95E-05
445	1.54E-04	512	4.03E-04	579	6.97E-04	646	8.94E-04	713	2.21E-04	780	2.96E-05
446	1.70E-04	513	4.06E-04	580	7.06E-04	647	8.83E-04	714	2.15E-04	N/A	N/A

4.0 LM-79 Measurement and Test Results

4.2 Goniophotometer Test

Model No.	PIVOTM24DB @10W2700K	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 $25 \pm 1^\circ\text{C}$, 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 ± 0.2 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 1.0° vertical intervals and 15° horizontal intervals.</p>

Test Conditions

Condition	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
WORST CASE	120.0	60	0.084	9.8	0.975
NON-WORST CASE	N/A	N/A	N/A	N/A	N/A

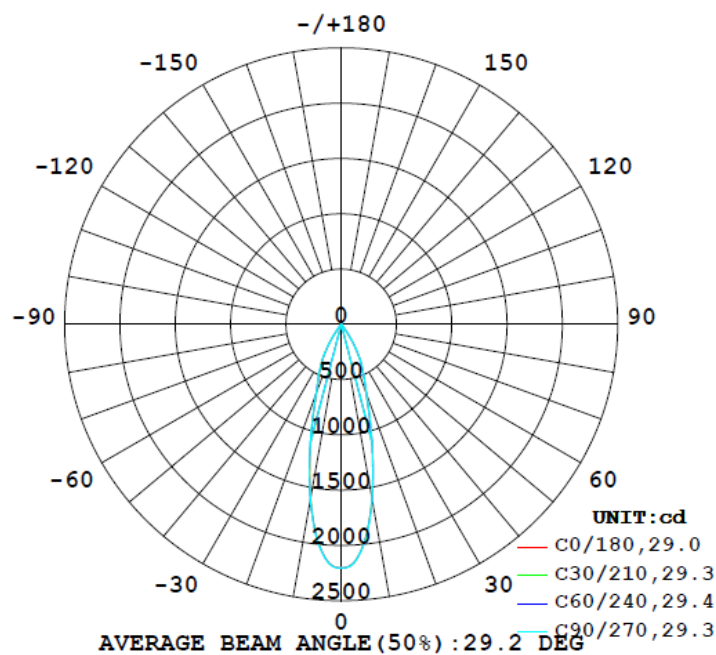
Test Result

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°)
785	63.7	64.3	29.1	29.4	80.1	100.0%

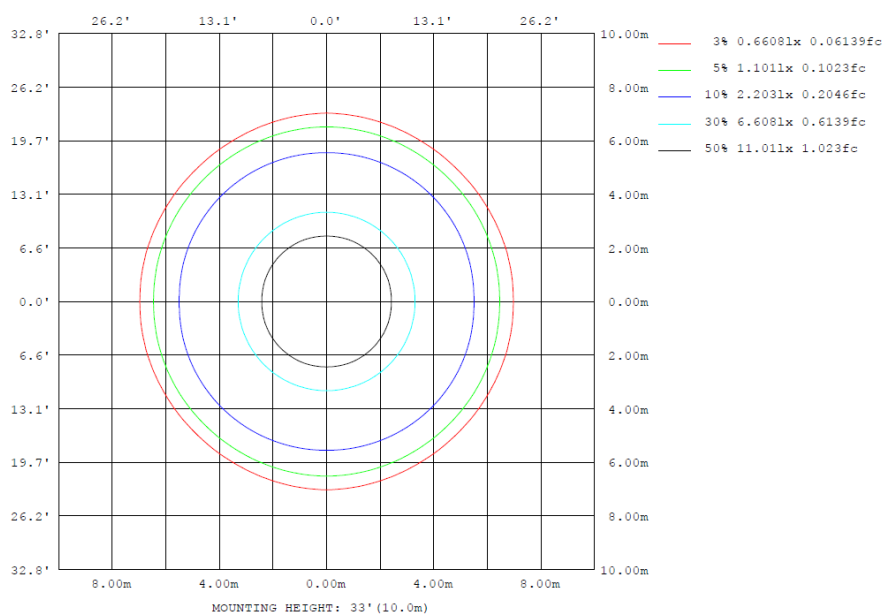
4.2 Goniophotometer Test

Lighting Distribution Curve

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



Isolux Plot



4.2 Goniophotometer Test

Zonal Lumen Summary

y	C0	C45	C90	C135	C180	C225	C270	C315	y	± zone	± total	%lum, lamp
10	1596	1609	1609	1609	1596	1609	1609	1609	0- 10	181.8	181.8	23.2, 23.2
20	660.1	665.8	671.6	665.8	660.1	665.8	671.6	665.8	10- 20	294.8	476.6	60.8, 60.8
30	283.3	299.0	295.0	299.0	283.3	299.0	295.0	299.0	20- 30	212.0	688.7	87.8, 87.8
40	20.15	20.27	20.54	20.27	20.15	20.27	20.54	20.27	30- 40	77.25	765.9	97.6, 97.6
50	9.306	9.461	9.329	9.461	9.306	9.461	9.329	9.461	40- 50	9.642	775.6	98.9, 98.9
60	4.341	4.587	4.647	4.587	4.341	4.587	4.647	4.587	50- 60	6.540	782.1	99.7, 99.7
70	0.7400	0.8340	0.8328	0.8340	0.7400	0.8340	0.8328	0.8340	60- 70	2.263	784.4	100, 100
80	0.0232	0.0222	0.0219	0.0222	0.0232	0.0222	0.0219	0.0222	70- 80	0.1523	784.5	100, 100
90	0	0	0	0	0	0	0	0	80- 90	0.0126	784.5	100, 100
100	0	0	0	0	0	0	0	0	90-100	0	784.5	100, 100
110	0	0	0	0	0	0	0	0	100-110	0	784.5	100, 100
120	0	0	0	0	0	0	0	0	110-120	0	784.5	100, 100
130	0	0	0	0	0	0	0	0	120-130	0	784.5	100, 100
140	0	0	0	0	0	0	0	0	130-140	0	784.5	100, 100
150	0	0	0	0	0	0	0	0	140-150	0	784.5	100, 100
160	0	0	0	0	0	0	0	0	150-160	0	784.5	100, 100
170	0	0	0	0	0	0	0	0	160-170	0	784.5	100, 100
180	0	0	0	0	0	0	0	0	170-180	0	784.5	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

	Zonal (lm)		Total (lm)	Percent
0-10	181.78	0-10	181.78	23.17%
10-20	294.84	0-20	476.62	60.75%
20-30	212.04	0-30	688.66	87.78%
30-40	77.25	0-40	765.91	97.63%
40-50	9.64	0-50	775.55	98.86%
50-60	6.54	0-60	782.09	99.69%
60-70	2.26	0-70	784.35	99.98%
70-80	0.15	0-80	784.50	100.00%
80-90	0.01	0-90	784.51	100.00%
90-100	0.00	0-100	784.51	100.00%
100-110	0.00	0-110	784.51	100.00%
110-120	0.00	0-120	784.51	100.00%
120-130	0.00	0-130	784.51	100.00%
130-140	0.00	0-140	784.51	100.00%
140-150	0.00	0-150	784.51	100.00%
150-160	0.00	0-160	784.51	100.00%
160-170	0.00	0-170	784.51	100.00%
170-180	0.00	0-180	784.51	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	2203	2203	2202	2203	2203	2203	2203	2203	2203	2203	2202	2203	2203	2203	2202	2203	2203	2203	2203
5	2055	2057	2058	2057	2059	2061	2062	2061	2059	2057	2058	2057	2055	2057	2058	2057	2059	2061	2062
10	1596	1601	1605	1609	1610	1612	1609	1612	1610	1609	1605	1601	1596	1601	1605	1609	1610	1612	1609
15	1053	1060	1065	1070	1072	1072	1068	1072	1072	1070	1065	1060	1053	1060	1065	1070	1072	1072	1068
20	660	662	664	666	669	670	672	670	669	666	664	662	660	662	664	666	669	670	672
25	460	463	464	464	464	465	467	465	464	464	464	463	460	463	464	464	464	465	467
30	283	291	296	299	299	297	295	297	299	299	296	291	283	291	296	299	299	297	295
35	115	115	112	110	111	118	124	118	111	110	112	115	115	115	112	110	111	118	124
40	20.2	20.6	20.7	20.3	20.3	20.3	20.5	20.3	20.3	20.3	20.7	20.6	20.2	20.6	20.7	20.3	20.3	20.3	20.5
45	11.6	12.0	12.1	11.8	11.7	11.7	11.6	11.7	11.7	11.8	12.1	12.0	11.6	12.0	12.1	11.8	11.7	11.7	11.6
50	9.31	9.60	9.65	9.46	9.33	9.38	9.33	9.38	9.33	9.46	9.65	9.60	9.31	9.60	9.65	9.46	9.33	9.38	9.33
55	7.31	7.53	7.56	7.49	7.50	7.50	7.49	7.50	7.50	7.49	7.56	7.53	7.31	7.53	7.56	7.49	7.50	7.50	7.49
60	4.34	4.49	4.59	4.59	4.64	4.67	4.65	4.67	4.64	4.59	4.59	4.49	4.34	4.49	4.59	4.59	4.64	4.67	4.65
65	1.91	2.02	2.10	2.11	2.14	2.16	2.07	2.16	2.14	2.11	2.10	2.02	1.91	2.02	2.10	2.11	2.14	2.16	2.07
70	0.74	0.81	0.84	0.83	0.80	0.80	0.83	0.80	0.80	0.83	0.84	0.81	0.74	0.81	0.84	0.83	0.80	0.80	0.83
75	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	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) y (DEG)	285	300	315	330	345														
0	2203	2203	2203	2202	2203														
5	2061	2059	2057	2058	2057														
10	1612	1610	1609	1605	1601														
15	1072	1072	1070	1065	1060														
20	670	669	666	664	662														
25	465	464	464	464	463														
30	297	299	299	296	291														
35	118	111	110	112	115														
40	20.3	20.3	20.3	20.7	20.6														
45	11.7	11.7	11.8	12.1	12.0														
50	9.38	9.33	9.46	9.65	9.60														
55	7.50	7.50	7.49	7.56	7.53														
60	4.67	4.64	4.59	4.59	4.49														
65	2.16	2.14	2.11	2.10	2.02														
70	0.80	0.80	0.83	0.84	0.81														
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

Model No.	PIVOTM24DB @10W2700K	Sample ID	250903023-S1
Temperature (°C)	25.4	Humidity (%RH)	41.0

Test Method
<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

Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor	iTHD(%)
120.0	60	0.084	9.8	0.975	12.37

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*****