

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		864
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Standard	Premium	89.1
			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	12.42
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	3985±275	3967
			4 steps	3985±154	
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		79
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%		-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 @10W4000K	-	250903023-S1
2	Goniophotometer Test	2025-09-09	PIVOTM24DB @10W4000K	-	250903023-S1
3	THD and PF Test	2025-09-09	PIVOTM24DB @10W4000K	-	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 @10W4000K, 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 @10W4000K	Sample ID	250903023-S1
Operate time (Min.)	10	Stabilization time (Min.)	60
Temperature (°C)	25.4	Humidity (%RH)	41.0

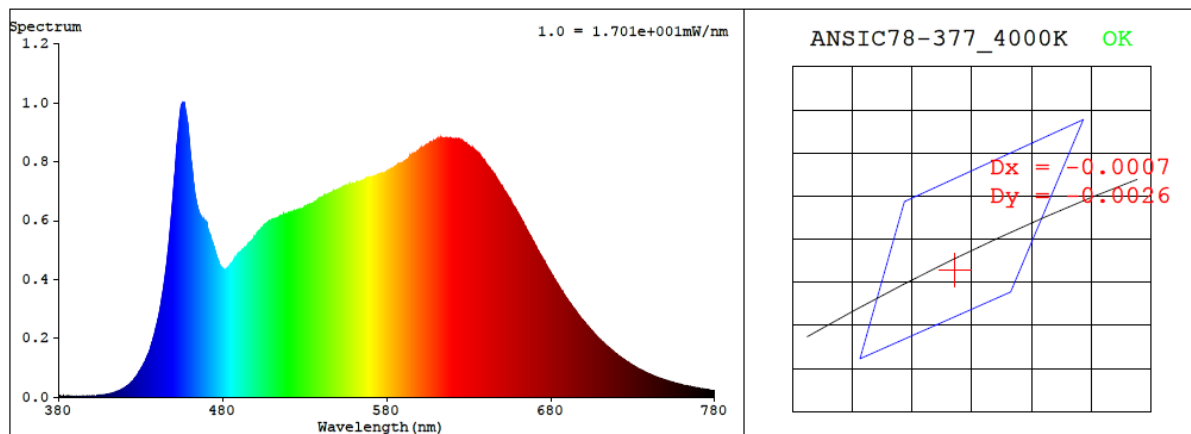
Test Method
<p>The Samples were tested according to the ANSI/IES LM-79:2019.</p> <p>Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at 25±1°C.</p> <p>The sample measurements were made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

CCT (K)	CRI	R9	Duv	SDCM	Rf	Rg	IES Rcs,h1
3967	95.1	79	-0.0010	2.1	90	97	-3%

4.1 Integrating Sphere Test



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3812$ $y = 0.3751$ / $u' = 0.2263$ $v' = 0.5009$ ($duv = -1.02e-03$)

CCT= 3967K Prcp WL: Ld=579.8nm Purity=26.9%

Peak WL: Lp=456nm FWHM: =28.3nm Ratio:R=20.5% G=74.6% B=4.9%

Render Index: Ra = 95.1 AvgR = 93.7 TM30:Rf=92 Rg=98

EEI: 0.14013 A+

R1 =98 R2 =99 R3 =98 R4 =94 R5 =96 R6 =96 R7 =93

R8 =89 R9 =79 R10=99 R11=96 R12=76 R13=99 R14=99 R15=95

4.1 Integrating Sphere Test

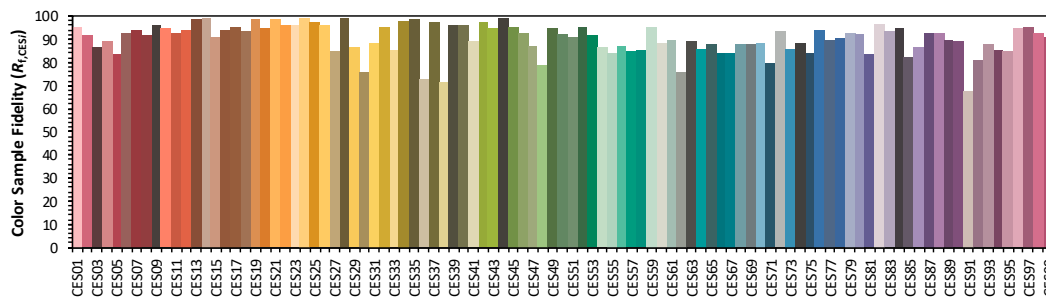
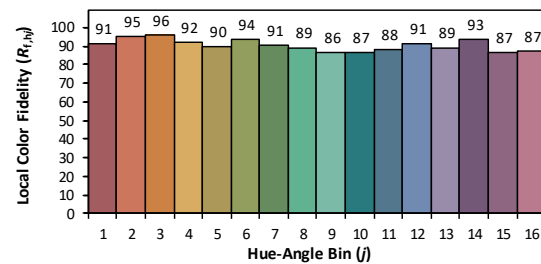
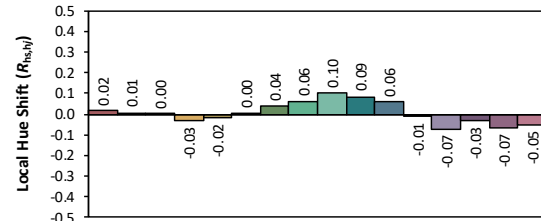
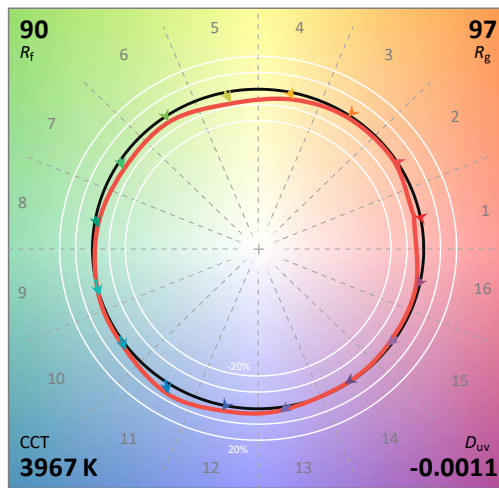
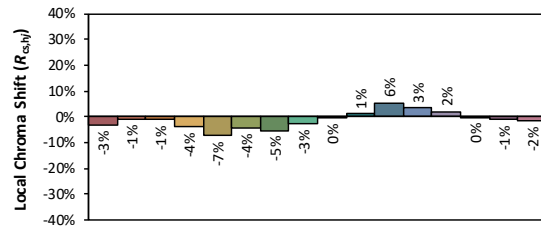
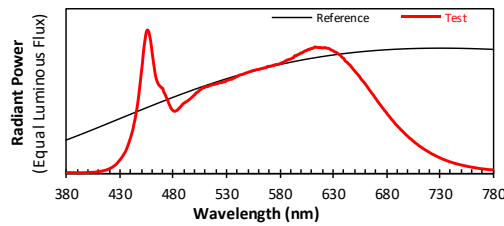
ANSI/IES TM-30-18 Color Rendition Report

Source: 1 CIE F1

Manufacturer: RAB Lighting Inc.

Date: 2025/9/19

Model: PIVOTM24DB @10W4000K



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

x 0.3812
 y 0.3749
 u' 0.2263
 v' 0.5009

CIE 13.3-1995
(CRI)

R_a 95
 R_g 79

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	5.10E-04	514	6.11E-04	581	7.68E-04	648	7.35E-04	715	1.70E-04
381	4.40E-06	448	5.69E-04	515	6.14E-04	582	7.72E-04	649	7.25E-04	716	1.65E-04
382	2.80E-06	449	6.36E-04	516	6.16E-04	583	7.74E-04	650	7.17E-04	717	1.61E-04
383	4.80E-06	450	7.03E-04	517	6.20E-04	584	7.77E-04	651	7.08E-04	718	1.56E-04
384	2.10E-06	451	7.67E-04	518	6.20E-04	585	7.83E-04	652	6.99E-04	719	1.52E-04
385	3.70E-06	452	8.49E-04	519	6.21E-04	586	7.86E-04	653	6.92E-04	720	1.47E-04
386	4.00E-06	453	9.05E-04	520	6.25E-04	587	7.91E-04	654	6.82E-04	721	1.42E-04
387	3.70E-06	454	9.58E-04	521	6.26E-04	588	7.93E-04	655	6.74E-04	722	1.38E-04
388	3.40E-06	455	9.94E-04	522	6.27E-04	589	7.96E-04	656	6.61E-04	723	1.34E-04
389	1.90E-06	456	1.00E-03	523	6.30E-04	590	7.97E-04	657	6.52E-04	724	1.30E-04
390	2.30E-06	457	9.86E-04	524	6.32E-04	591	8.01E-04	658	6.44E-04	725	1.27E-04
391	2.90E-06	458	9.55E-04	525	6.32E-04	592	8.05E-04	659	6.36E-04	726	1.23E-04
392	3.10E-06	459	9.11E-04	526	6.35E-04	593	8.08E-04	660	6.26E-04	727	1.19E-04
393	3.20E-06	460	8.52E-04	527	6.39E-04	594	8.21E-04	661	6.15E-04	728	1.15E-04
394	3.00E-06	461	7.96E-04	528	6.38E-04	595	8.20E-04	662	6.05E-04	729	1.12E-04
395	2.70E-06	462	7.43E-04	529	6.41E-04	596	8.23E-04	663	5.95E-04	730	1.08E-04
396	3.50E-06	463	6.94E-04	530	6.48E-04	597	8.29E-04	664	5.83E-04	731	1.05E-04
397	3.30E-06	464	6.61E-04	531	6.48E-04	598	8.30E-04	665	5.74E-04	732	1.01E-04
398	4.00E-06	465	6.38E-04	532	6.52E-04	599	8.36E-04	666	5.63E-04	733	9.81E-05
399	4.20E-06	466	6.22E-04	533	6.54E-04	600	8.40E-04	667	5.53E-04	734	9.51E-05
400	4.90E-06	467	6.12E-04	534	6.56E-04	601	8.40E-04	668	5.44E-04	735	9.28E-05
401	4.60E-06	468	6.05E-04	535	6.56E-04	602	8.47E-04	669	5.32E-04	736	8.98E-05
402	5.40E-06	469	5.96E-04	536	6.62E-04	603	8.51E-04	670	5.22E-04	737	8.66E-05
403	5.40E-06	470	5.93E-04	537	6.64E-04	604	8.56E-04	671	5.11E-04	738	8.40E-05
404	6.10E-06	471	5.69E-04	538	6.67E-04	605	8.56E-04	672	5.00E-04	739	8.10E-05
405	6.90E-06	472	5.55E-04	539	6.75E-04	606	8.62E-04	673	4.90E-04	740	7.87E-05
406	6.90E-06	473	5.38E-04	540	6.75E-04	607	8.66E-04	674	4.81E-04	741	7.64E-05
407	7.80E-06	474	5.21E-04	541	6.79E-04	608	8.64E-04	675	4.71E-04	742	7.39E-05
408	8.60E-06	475	5.05E-04	542	6.85E-04	609	8.71E-04	676	4.61E-04	743	7.18E-05
409	9.50E-06	476	4.84E-04	543	6.86E-04	610	8.70E-04	677	4.51E-04	744	6.89E-05
410	9.90E-06	477	4.68E-04	544	6.88E-04	611	8.73E-04	678	4.42E-04	745	6.75E-05
411	1.16E-05	478	4.52E-04	545	6.90E-04	612	8.77E-04	679	4.32E-04	746	6.51E-05
412	1.29E-05	479	4.42E-04	546	6.94E-04	613	8.82E-04	680	4.24E-04	747	6.35E-05
413	1.41E-05	480	4.36E-04	547	6.95E-04	614	8.80E-04	681	4.12E-04	748	6.15E-05
414	1.65E-05	481	4.32E-04	548	7.01E-04	615	8.79E-04	682	4.03E-04	749	5.97E-05
415	1.83E-05	482	4.34E-04	549	7.01E-04	616	8.78E-04	683	3.95E-04	750	5.73E-05
416	2.03E-05	483	4.38E-04	550	7.04E-04	617	8.78E-04	684	3.85E-04	751	5.62E-05
417	2.19E-05	484	4.41E-04	551	7.07E-04	618	8.76E-04	685	3.76E-04	752	5.45E-05
418	2.47E-05	485	4.51E-04	552	7.09E-04	619	8.78E-04	686	3.67E-04	753	5.27E-05
419	2.84E-05	486	4.57E-04	553	7.13E-04	620	8.75E-04	687	3.59E-04	754	5.12E-05
420	3.09E-05	487	4.66E-04	554	7.13E-04	621	8.75E-04	688	3.50E-04	755	4.90E-05
421	3.49E-05	488	4.74E-04	555	7.18E-04	622	8.78E-04	689	3.39E-04	756	4.78E-05
422	3.90E-05	489	4.84E-04	556	7.19E-04	623	8.76E-04	690	3.33E-04	757	4.63E-05
423	4.31E-05	490	4.89E-04	557	7.20E-04	624	8.73E-04	691	3.25E-04	758	4.48E-05
424	4.85E-05	491	4.93E-04	558	7.23E-04	625	8.72E-04	692	3.18E-04	759	4.35E-05
425	5.34E-05	492	4.99E-04	559	7.24E-04	626	8.71E-04	693	3.09E-04	760	4.20E-05
426	6.04E-05	493	5.02E-04	560	7.24E-04	627	8.67E-04	694	3.01E-04	761	4.05E-05
427	6.71E-05	494	5.09E-04	561	7.27E-04	628	8.62E-04	695	2.95E-04	762	3.98E-05
428	7.56E-05	495	5.14E-04	562	7.29E-04	629	8.59E-04	696	2.87E-04	763	3.85E-05
429	8.48E-05	496	5.20E-04	563	7.31E-04	630	8.55E-04	697	2.79E-04	764	3.69E-05
430	9.34E-05	497	5.27E-04	564	7.33E-04	631	8.50E-04	698	2.71E-04	765	3.62E-05
431	1.03E-04	498	5.34E-04	565	7.35E-04	632	8.47E-04	699	2.65E-04	766	3.47E-05
432	1.14E-04	499	5.41E-04	566	7.37E-04	633	8.43E-04	700	2.58E-04	767	3.35E-05
433	1.25E-04	500	5.47E-04	567	7.36E-04	634	8.39E-04	701	2.52E-04	768	3.24E-05
434	1.38E-04	501	5.56E-04	568	7.44E-04	635	8.33E-04	702	2.43E-04	769	3.12E-05
435	1.49E-04	502	5.64E-04	569	7.46E-04	636	8.27E-04	703	2.40E-04	770	3.04E-05
436	1.67E-04	503	5.67E-04	570	7.45E-04	637	8.23E-04	704	2.32E-04	771	2.95E-05
437	1.85E-04	504	5.75E-04	571	7.48E-04	638	8.13E-04	705	2.26E-04	772	2.85E-05
438	2.05E-04	505	5.81E-04	572	7.49E-04	639	8.06E-04	706	2.19E-04	773	2.76E-05
439	2.29E-04	506	5.85E-04	573	7.51E-04	640	8.02E-04	707	2.13E-04	774	2.69E-05
440	2.50E-04	507	5.91E-04	574	7.53E-04	641	7.89E-04	708	2.07E-04	775	2.59E-05
441	2.76E-04	508	5.97E-04	575	7.56E-04	642	7.80E-04	709	2.02E-04	776	2.54E-05
442	3.03E-04	509	5.97E-04	576	7.59E-04	643	7.77E-04	710	1.96E-04	777	2.45E-05
443	3.41E-04	510	6.03E-04	577	7.59E-04	644	7.68E-04	711	1.90E-04	778	2.37E-05
444	3.74E-04	511	6.05E-04	578	7.59E-04	645	7.61E-04	712	1.85E-04	779	2.37E-05
445	4.15E-04	512	6.04E-04	579	7.62E-04	646	7.55E-04	713	1.80E-04	780	2.37E-05
446	4.59E-04	513	6.07E-04	580	7.65E-04	647	7.44E-04	714	1.74E-04	N/A	N/A

4.0 LM-79 Measurement and Test Results

4.2 Goniophotometer Test

Model No.	PIVOTM24DB @10W4000K	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	0.083	9.7	0.975
NON-WORST CASE	N/A	N/A	N/A	N/A	N/A

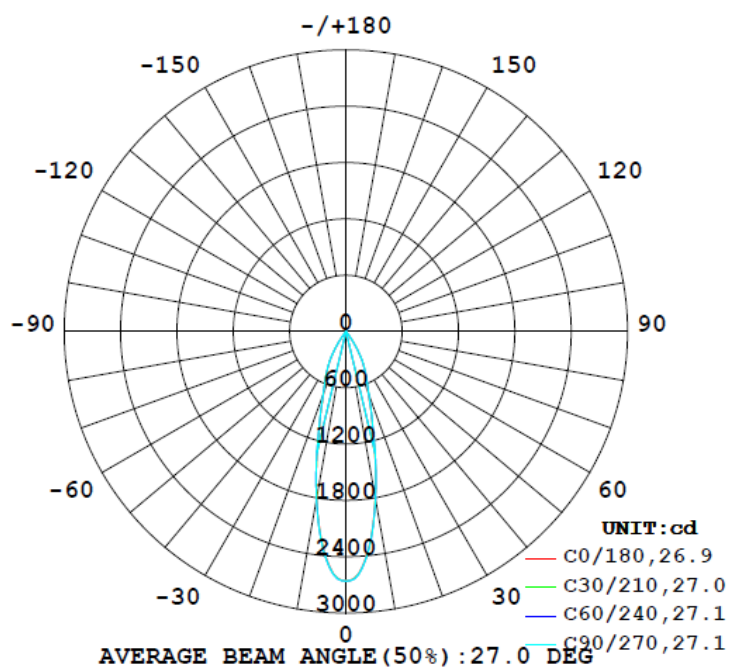
Test Result

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°)
864	62.3	62.9	26.9	27.1	89.1	100.0%

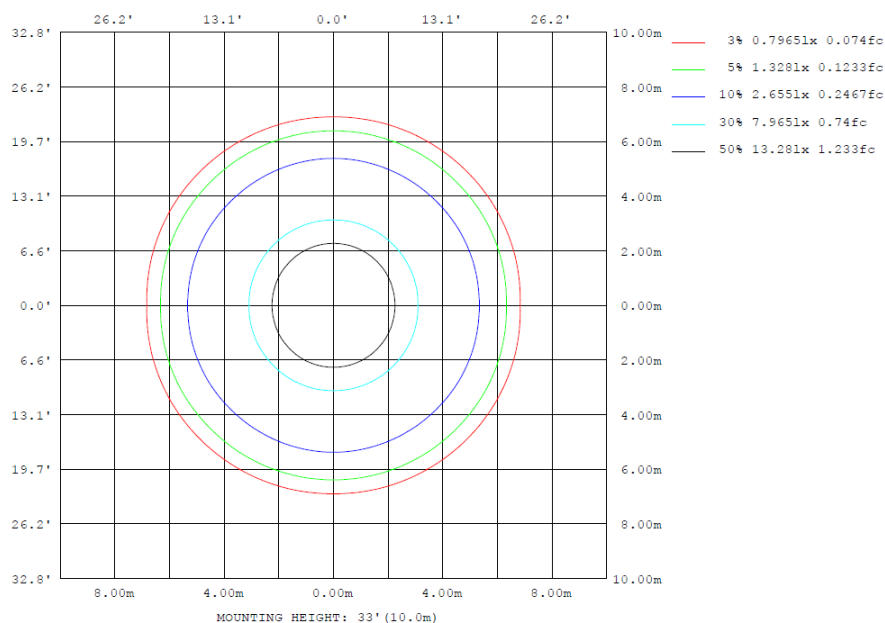
4.2 Goniophotometer Test

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	1803	1812	1819	1812	1803	1812	1819	1812	0- 10	211.7	211.7	24.5, 24.5
20	696.9	713.0	710.6	713.0	696.9	713.0	710.6	713.0	10- 20	319.1	530.8	61.4, 61.4
30	314.0	318.9	325.7	318.9	314.0	318.9	325.7	318.9	20- 30	228.0	758.8	87.8, 87.8
40	21.71	22.82	22.34	22.82	21.71	22.82	22.34	22.82	30- 40	85.08	843.8	97.7, 97.7
50	10.13	10.25	10.18	10.25	10.13	10.25	10.18	10.25	40- 50	10.50	854.3	98.9, 98.9
60	4.716	4.966	5.051	4.966	4.716	4.966	5.051	4.966	50- 60	7.102	861.4	99.7, 99.7
70	0.8040	0.9023	0.9024	0.9023	0.8040	0.9023	0.9024	0.9023	60- 70	2.458	863.9	100, 100
80	0.0240	0.0240	0.0234	0.0240	0.0240	0.0240	0.0234	0.0240	70- 80	0.1648	864.1	100, 100
90	0	0	0	0	0	0	0	0	80- 90	0.0134	864.1	100, 100
100	0	0	0	0	0	0	0	0	90-100	0	864.1	100, 100
110	0	0	0	0	0	0	0	0	100-110	0	864.1	100, 100
120	0	0	0	0	0	0	0	0	110-120	0	864.1	100, 100
130	0	0	0	0	0	0	0	0	120-130	0	864.1	100, 100
140	0	0	0	0	0	0	0	0	130-140	0	864.1	100, 100
150	0	0	0	0	0	0	0	0	140-150	0	864.1	100, 100
160	0	0	0	0	0	0	0	0	150-160	0	864.1	100, 100
170	0	0	0	0	0	0	0	0	160-170	0	864.1	100, 100
180	0	0	0	0	0	0	0	0	170-180	0	864.1	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Zonal (lm)		Total (lm)		Percent
0-10	211.73	0-10	211.73	24.50%
10-20	319.06	0-20	530.79	61.43%
20-30	227.96	0-30	758.75	87.81%
30-40	85.08	0-40	843.83	97.66%
40-50	10.50	0-50	854.33	98.87%
50-60	7.10	0-60	861.43	99.70%
60-70	2.46	0-70	863.89	99.98%
70-80	0.16	0-80	864.05	100.00%
80-90	0.01	0-90	864.06	100.00%
90-100	0.00	0-100	864.06	100.00%
100-110	0.00	0-110	864.06	100.00%
110-120	0.00	0-120	864.06	100.00%
120-130	0.00	0-130	864.06	100.00%
130-140	0.00	0-140	864.06	100.00%
140-150	0.00	0-150	864.06	100.00%
150-160	0.00	0-160	864.06	100.00%
160-170	0.00	0-170	864.06	100.00%
170-180	0.00	0-180	864.06	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	2655	2655	2656	2656	2657	2656	2657	2656	2657	2656	2656	2655	2655	2655	2656	2656	2657	2656	2657
5	2422	2427	2430	2432	2435	2433	2432	2433	2435	2432	2430	2427	2422	2427	2430	2432	2435	2433	2432
10	1803	1806	1809	1812	1815	1818	1819	1818	1815	1812	1809	1806	1803	1806	1809	1812	1815	1818	1819
15	1129	1133	1135	1139	1145	1148	1147	1148	1145	1139	1135	1133	1129	1133	1135	1139	1145	1148	1147
20	697	707	711	713	714	714	711	714	714	713	711	707	697	707	711	713	714	714	711
25	493	498	501	500	500	501	500	501	500	501	500	498	493	498	501	500	500	501	500
30	314	317	319	319	321	324	326	324	321	319	319	317	314	317	319	319	321	324	326
35	117	125	130	132	131	130	128	130	131	132	130	125	117	125	130	132	131	130	128
40	21.7	22.7	23.1	22.8	22.6	22.5	22.3	22.5	22.6	22.8	23.1	22.7	21.7	22.7	23.1	22.8	22.6	22.5	22.3
45	12.6	13.0	13.1	12.8	12.7	12.7	12.6	12.7	12.7	12.8	13.1	13.0	12.6	13.0	13.1	12.8	12.7	12.7	12.6
50	10.1	10.4	10.5	10.3	10.2	10.2	10.2	10.2	10.3	10.5	10.4	10.1	10.4	10.5	10.3	10.2	10.2	10.2	10.1
55	7.94	8.17	8.22	8.12	8.14	8.15	8.14	8.15	8.14	8.12	8.22	8.17	7.94	8.17	8.22	8.12	8.14	8.15	8.14
60	4.72	4.88	4.98	4.97	5.03	5.06	5.05	5.06	5.03	4.97	4.98	4.88	4.72	4.88	4.98	4.97	5.03	5.06	5.05
65	2.07	2.20	2.28	2.30	2.33	2.34	2.25	2.34	2.33	2.30	2.28	2.20	2.07	2.20	2.28	2.30	2.33	2.34	2.25
70	0.80	0.88	0.91	0.90	0.87	0.87	0.90	0.87	0.87	0.90	0.91	0.88	0.80	0.88	0.91	0.90	0.87	0.87	0.90
75	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	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	2656	2657	2656	2656	2655														
5	2433	2435	2432	2430	2427														
10	1818	1815	1812	1809	1806														
15	1148	1145	1139	1135	1133														
20	714	714	713	711	707														
25	501	500	500	501	498														
30	324	321	319	319	317														
35	130	131	132	130	125														
40	22.5	22.6	22.8	23.1	22.7														
45	12.7	12.7	12.8	13.1	13.0														
50	10.2	10.2	10.3	10.5	10.4														
55	8.15	8.14	8.12	8.22	8.17														
60	5.06	5.03	4.97	4.98	4.88														
65	2.34	2.33	2.30	2.28	2.20														
70	0.87	0.87	0.90	0.91	0.88														
75	0.04	0.04	0.04	0.05	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

Model No.	PIVOTM24DB @10W4000K	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	0.083	9.7	0.975	12.42

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*****