

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		839
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Standard	Premium	87.4
			95	110	
Power (Input Wattage) (W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Case		9.6
Total Harmonic Distortion (A%) (THD & PF – Section 4.3)		ANSI C82.77:2002 ANSI C82-77-10:2020	20.00%	120V	12.41
Power Factor (THD & PF – Section 4.3)		ANSI C82.77:2002 ANSI C82-77-10:2020	0.9	120V	0.974
Allowable CCTs* (K) (Integrating Sphere – Section 4.1)		ANSI/IES LM-79:2019	7 steps	3465±245	3495
			4 steps	3465±124	
Minimum CRI (Integrating Sphere – Section 4.1)		ANSI/IES LM-79:2019 CIE13.3-1995	≥80		95.2
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		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		0.082
(Goniophotometer – Section 4.2)			Non-Worst Case		N/A
Power (Input Wattage – W)					
(Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Case		9.6
(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	2025-09-07	PIVOTM24DB @10W3500K	-	250903023-S1
2	Goniophotometer Test	2025-09-07	PIVOTM24DB @10W3500K	-	250903023-S1
3	THD and PF Test	2025-09-07	PIVOTM24DB @10W3500K	-	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 @10W3500K, 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 @10W3500K	Sample ID	250903023-S1
Operate time (Min.)	10	Stabilization time (Min.)	60
Temperature (°C)	25.4	Humidity (%RH)	41.0

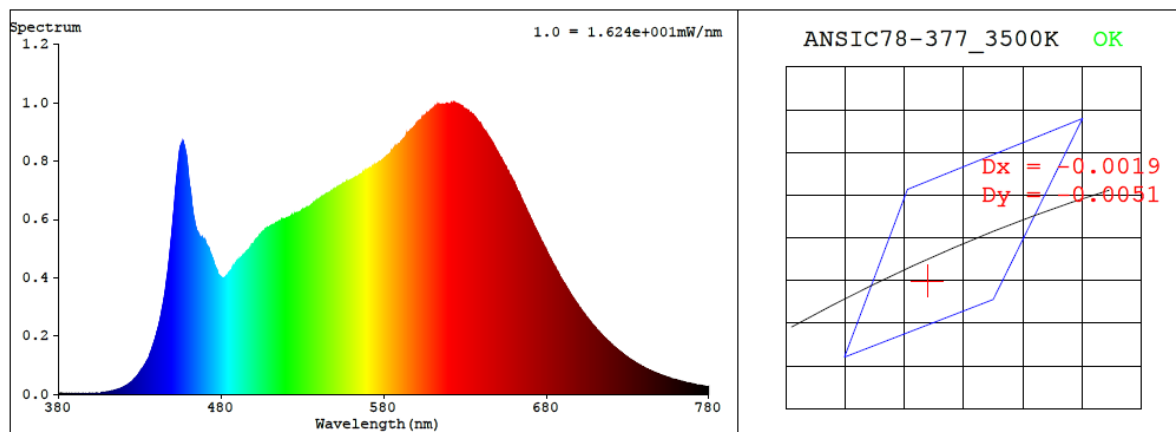
Test Method
<p>The Samples were tested according to the ANSI/IES LM-79:2019.</p> <p>Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at 25±1°C.</p> <p>The sample measurements were made 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	0.082	9.6	0.974

CCT (K)	CRI	R9	Duv	SDCM	Rf	Rg	IES Rcs,h1
3495	95.2	79	-0.0019	2.8	91	97	-3%

4.1 Integrating Sphere Test



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4037$ $y = 0.3857$ / $u' = 0.2367$ $v' = 0.5089$ ($duv = -1.86e-03$)

CCT= 3495K Prcp WL: $L_d = 581.7\text{nm}$ Purity=36.9%

Peak WL: $L_p = 623\text{nm}$ FWHM: $= 182.0\text{nm}$ Ratio: R=22.4% G=73.3% B=4.3%

Render Index: $R_a = 95.2$ AvgR = 94.0 TM30: $R_f = 92$ $R_g = 99$

EEL: 0.14063 A+

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

R8 =89 R9 =79 R10=97 R11=98 R12=80 R13=99 R14=99 R15=96

4.1 Integrating Sphere Test

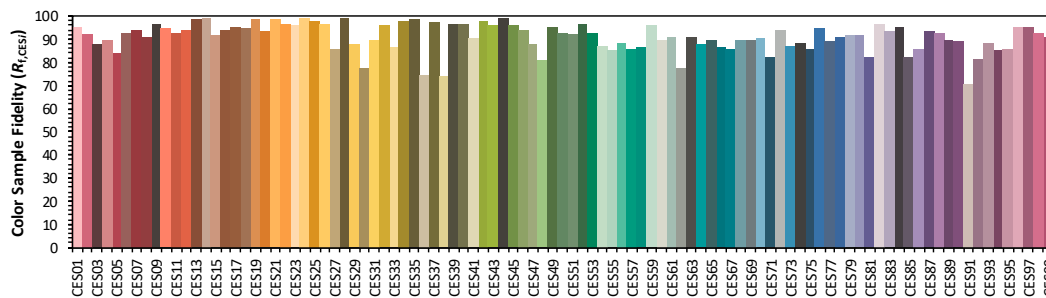
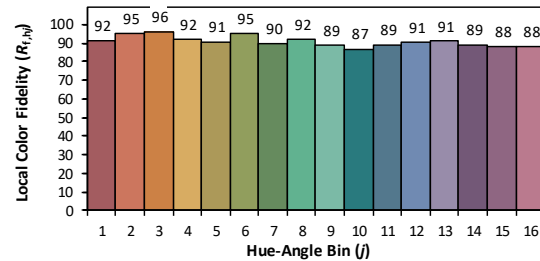
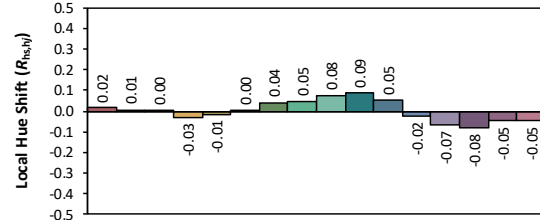
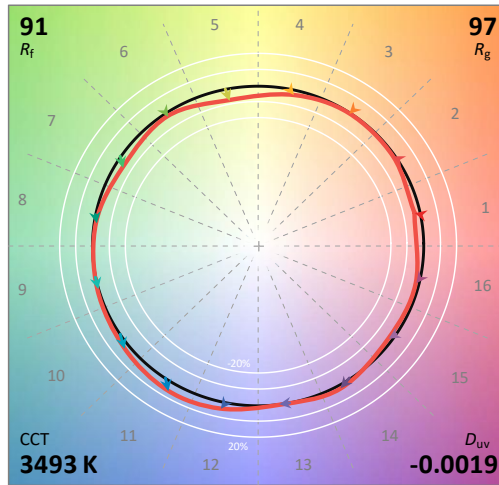
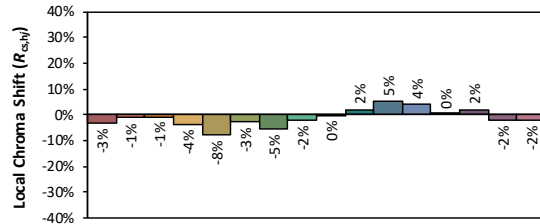
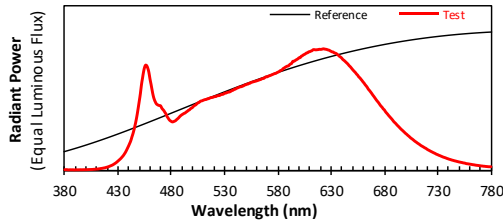
ANSI/IES TM-30-18 Color Rendition Report

Source: 1 CIE F1

Manufacturer: RAB Lighting Inc.

Date: 2025/9/19

Model: PIVOTM24DB @10W3500K



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

x 0.4037
 y 0.3856
 u' 0.2368
 v' 0.5089

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	3.80E-06	447	4.12E-04	514	5.88E-04	581	8.10E-04	648	8.52E-04	715	1.99E-04
381	3.70E-06	448	4.60E-04	515	5.88E-04	582	8.18E-04	649	8.42E-04	716	1.94E-04
382	4.00E-06	449	5.15E-04	516	5.93E-04	583	8.22E-04	650	8.31E-04	717	1.89E-04
383	2.30E-06	450	5.72E-04	517	5.97E-04	584	8.26E-04	651	8.21E-04	718	1.84E-04
384	2.00E-06	451	6.31E-04	518	5.98E-04	585	8.36E-04	652	8.11E-04	719	1.79E-04
385	3.00E-06	452	7.03E-04	519	6.00E-04	586	8.41E-04	653	8.02E-04	720	1.73E-04
386	2.50E-06	453	7.58E-04	520	6.04E-04	587	8.48E-04	654	7.90E-04	721	1.67E-04
387	2.80E-06	454	8.11E-04	521	6.06E-04	588	8.53E-04	655	7.82E-04	722	1.63E-04
388	2.70E-06	455	8.49E-04	522	6.07E-04	589	8.57E-04	656	7.68E-04	723	1.58E-04
389	1.60E-06	456	8.65E-04	523	6.12E-04	590	8.59E-04	657	7.61E-04	724	1.53E-04
390	2.90E-06	457	8.59E-04	524	6.14E-04	591	8.68E-04	658	7.49E-04	725	1.49E-04
391	2.60E-06	458	8.38E-04	525	6.14E-04	592	8.75E-04	659	7.39E-04	726	1.44E-04
392	2.30E-06	459	8.04E-04	526	6.18E-04	593	8.79E-04	660	7.27E-04	727	1.40E-04
393	2.70E-06	460	7.51E-04	527	6.23E-04	594	8.96E-04	661	7.17E-04	728	1.36E-04
394	2.80E-06	461	7.07E-04	528	6.24E-04	595	8.96E-04	662	7.04E-04	729	1.31E-04
395	3.30E-06	462	6.58E-04	529	6.27E-04	596	9.01E-04	663	6.93E-04	730	1.28E-04
396	2.60E-06	463	6.14E-04	530	6.34E-04	597	9.07E-04	664	6.81E-04	731	1.23E-04
397	3.30E-06	464	5.83E-04	531	6.34E-04	598	9.12E-04	665	6.67E-04	732	1.20E-04
398	3.30E-06	465	5.62E-04	532	6.37E-04	599	9.18E-04	666	6.57E-04	733	1.16E-04
399	3.80E-06	466	5.46E-04	533	6.42E-04	600	9.26E-04	667	6.45E-04	734	1.12E-04
400	3.70E-06	467	5.39E-04	534	6.43E-04	601	9.27E-04	668	6.34E-04	735	1.08E-04
401	3.80E-06	468	5.34E-04	535	6.45E-04	602	9.38E-04	669	6.21E-04	736	1.05E-04
402	4.30E-06	469	5.32E-04	536	6.50E-04	603	9.42E-04	670	6.09E-04	737	1.03E-04
403	4.70E-06	470	5.30E-04	537	6.55E-04	604	9.49E-04	671	5.97E-04	738	9.92E-05
404	4.90E-06	471	5.12E-04	538	6.58E-04	605	9.53E-04	672	5.84E-04	739	9.55E-05
405	5.20E-06	472	5.00E-04	539	6.65E-04	606	9.59E-04	673	5.72E-04	740	9.27E-05
406	5.50E-06	473	4.90E-04	540	6.67E-04	607	9.65E-04	674	5.62E-04	741	8.94E-05
407	6.60E-06	474	4.76E-04	541	6.73E-04	608	9.67E-04	675	5.50E-04	742	8.72E-05
408	6.90E-06	475	4.63E-04	542	6.76E-04	609	9.74E-04	676	5.37E-04	743	8.39E-05
409	7.60E-06	476	4.43E-04	543	6.80E-04	610	9.76E-04	677	5.26E-04	744	8.15E-05
410	8.80E-06	477	4.29E-04	544	6.84E-04	611	9.81E-04	678	5.17E-04	745	7.92E-05
411	8.90E-06	478	4.16E-04	545	6.86E-04	612	9.83E-04	679	5.04E-04	746	7.65E-05
412	1.06E-05	479	4.07E-04	546	6.88E-04	613	9.91E-04	680	4.97E-04	747	7.46E-05
413	1.16E-05	480	4.01E-04	547	6.92E-04	614	9.93E-04	681	4.82E-04	748	7.21E-05
414	1.34E-05	481	3.97E-04	548	6.95E-04	615	9.91E-04	682	4.72E-04	749	7.00E-05
415	1.45E-05	482	3.99E-04	549	7.02E-04	616	9.91E-04	683	4.62E-04	750	6.75E-05
416	1.64E-05	483	4.03E-04	550	7.03E-04	617	9.92E-04	684	4.50E-04	751	6.58E-05
417	1.82E-05	484	4.07E-04	551	7.08E-04	618	9.93E-04	685	4.41E-04	752	6.39E-05
418	1.99E-05	485	4.16E-04	552	7.09E-04	619	9.95E-04	686	4.31E-04	753	6.23E-05
419	2.28E-05	486	4.23E-04	553	7.15E-04	620	9.94E-04	687	4.21E-04	754	5.98E-05
420	2.51E-05	487	4.32E-04	554	7.16E-04	621	9.95E-04	688	4.10E-04	755	5.85E-05
421	2.82E-05	488	4.42E-04	555	7.23E-04	622	9.98E-04	689	3.98E-04	756	5.63E-05
422	3.14E-05	489	4.50E-04	556	7.25E-04	623	9.99E-04	690	3.90E-04	757	5.34E-05
423	3.54E-05	490	4.56E-04	557	7.28E-04	624	9.97E-04	691	3.81E-04	758	5.24E-05
424	3.87E-05	491	4.62E-04	558	7.30E-04	625	9.96E-04	692	3.71E-04	759	5.10E-05
425	4.30E-05	492	4.67E-04	559	7.33E-04	626	9.94E-04	693	3.62E-04	760	4.94E-05
426	4.84E-05	493	4.71E-04	560	7.35E-04	627	9.90E-04	694	3.53E-04	761	4.80E-05
427	5.42E-05	494	4.79E-04	561	7.38E-04	628	9.88E-04	695	3.44E-04	762	4.67E-05
428	6.00E-05	495	4.84E-04	562	7.41E-04	629	9.83E-04	696	3.35E-04	763	4.48E-05
429	6.73E-05	496	4.92E-04	563	7.45E-04	630	9.79E-04	697	3.27E-04	764	4.39E-05
430	7.48E-05	497	4.96E-04	564	7.47E-04	631	9.74E-04	698	3.19E-04	765	4.21E-05
431	8.30E-05	498	5.06E-04	565	7.52E-04	632	9.73E-04	699	3.10E-04	766	4.05E-05
432	9.06E-05	499	5.11E-04	566	7.54E-04	633	9.66E-04	700	3.02E-04	767	3.94E-05
433	9.97E-05	500	5.17E-04	567	7.57E-04	634	9.64E-04	701	2.95E-04	768	3.84E-05
434	1.10E-04	501	5.27E-04	568	7.64E-04	635	9.59E-04	702	2.87E-04	769	3.71E-05
435	1.20E-04	502	5.33E-04	569	7.69E-04	636	9.52E-04	703	2.80E-04	770	3.59E-05
436	1.33E-04	503	5.38E-04	570	7.68E-04	637	9.45E-04	704	2.71E-04	771	3.43E-05
437	1.47E-04	504	5.46E-04	571	7.74E-04	638	9.37E-04	705	2.63E-04	772	3.36E-05
438	1.64E-04	505	5.54E-04	572	7.77E-04	639	9.31E-04	706	2.57E-04	773	3.22E-05
439	1.82E-04	506	5.57E-04	573	7.80E-04	640	9.23E-04	707	2.50E-04	774	3.17E-05
440	2.01E-04	507	5.65E-04	574	7.84E-04	641	9.12E-04	708	2.43E-04	775	3.04E-05
441	2.21E-04	508	5.70E-04	575	7.88E-04	642	9.05E-04	709	2.36E-04	776	2.96E-05
442	2.42E-04	509	5.71E-04	576	7.91E-04	643	8.97E-04	710	2.30E-04	777	2.88E-05
443	2.72E-04	510	5.76E-04	577	7.96E-04	644	8.89E-04	711	2.23E-04	778	2.79E-05
444	2.99E-04	511	5.79E-04	578	7.97E-04	645	8.81E-04	712	2.18E-04	779	2.79E-05
445	3.32E-04	512	5.81E-04	579	8.02E-04	646	8.71E-04	713	2.12E-04	780	2.79E-05
446	3.70E-04	513	5.83E-04	580	8.07E-04	647	8.60E-04	714	2.05E-04	N/A	N/A

4.0 LM-79 Measurement and Test Results

4.2 Goniophotometer Test

Model No.	PIVOTM24DB @10W3500K	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	0.082	9.6	0.974
NON-WORST CASE	N/A	N/A	N/A	N/A	N/A

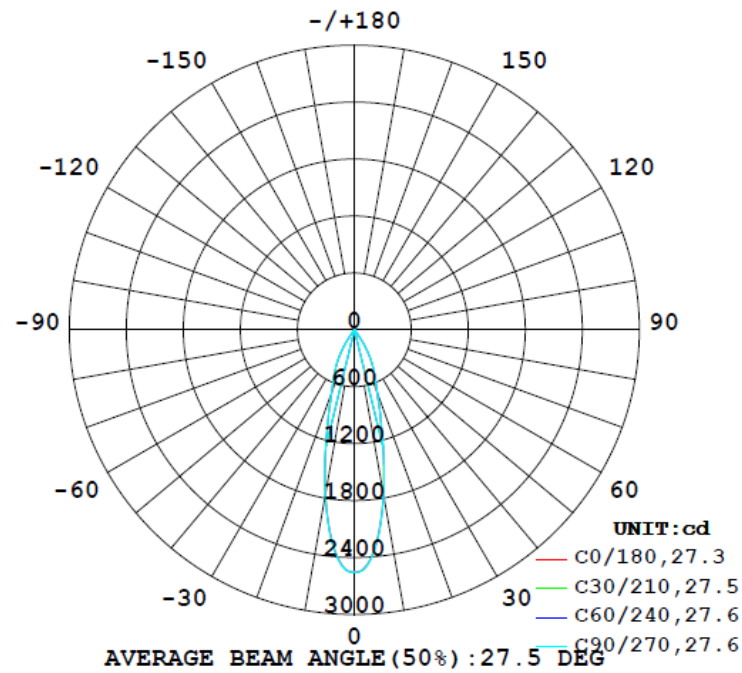
Test Result

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°)
839	62.6	63.2	27.4	27.7	87.4	100.0%

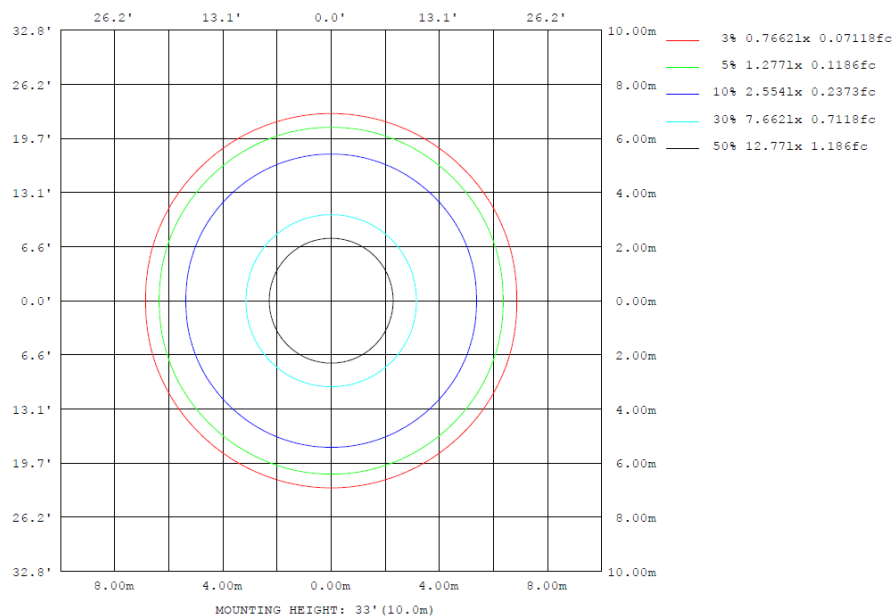
4.2 Goniophotometer Test

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	1760	1769	1774	1769	1760	1769	1774	1769	0- 10	205.0	205.0	24.2, 24.2
20	694.2	706.4	707.3	706.4	694.2	706.4	707.3	706.4	10- 20	315.0	520.0	61.3, 61.3
30	306.8	315.8	318.5	315.8	306.8	315.8	318.5	315.8	20- 30	225.7	745.7	87.9, 87.9
40	21.36	22.11	21.91	22.11	21.36	22.11	21.91	22.11	30- 40	82.65	828.3	97.6, 97.6
50	9.992	10.15	10.04	10.15	9.992	10.15	10.04	10.15	40- 50	10.34	838.7	98.9, 98.9
60	4.622	4.887	4.959	4.887	4.622	4.887	4.959	4.887	50- 60	7.012	845.7	99.7, 99.7
70	0.7786	0.8783	0.8758	0.8783	0.7786	0.8783	0.8758	0.8783	60- 70	2.410	848.1	100, 100
80	0.0245	0.0248	0.0239	0.0248	0.0245	0.0248	0.0239	0.0248	70- 80	0.1577	848.3	100, 100
90	0	0	0	0	0	0	0	0	80- 90	0.0140	848.3	100, 100
100	0	0	0	0	0	0	0	0	90-100	0	848.3	100, 100
110	0	0	0	0	0	0	0	0	100-110	0	848.3	100, 100
120	0	0	0	0	0	0	0	0	110-120	0	848.3	100, 100
130	0	0	0	0	0	0	0	0	120-130	0	848.3	100, 100
140	0	0	0	0	0	0	0	0	130-140	0	848.3	100, 100
150	0	0	0	0	0	0	0	0	140-150	0	848.3	100, 100
160	0	0	0	0	0	0	0	0	150-160	0	848.3	100, 100
170	0	0	0	0	0	0	0	0	160-170	0	848.3	100, 100
180	0	0	0	0	0	0	0	0	170-180	0	848.3	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Zonal (lm)		Total (lm)		Percent
0-10	202.76	0-10	202.76	24.17%
10-20	311.59	0-20	514.35	61.30%
20-30	223.23	0-30	737.58	87.91%
30-40	81.75	0-40	819.33	97.65%
40-50	10.23	0-50	829.56	98.87%
50-60	6.94	0-60	836.50	99.70%
60-70	2.38	0-70	838.88	99.98%
70-80	0.16	0-80	839.04	100.00%
80-90	0.01	0-90	839.05	100.00%
90-100	0.00	0-100	839.05	100.00%
100-110	0.00	0-110	839.05	100.00%
110-120	0.00	0-120	839.05	100.00%
120-130	0.00	0-130	839.05	100.00%
130-140	0.00	0-140	839.05	100.00%
140-150	0.00	0-150	839.05	100.00%
150-160	0.00	0-160	839.05	100.00%
160-170	0.00	0-170	839.05	100.00%
170-180	0.00	0-180	839.05	100.00%

4.2 Goniophotometer Test

Luminous Distribution Intensity Data

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	2554	2554	2555	2554	2554	2555	2555	2555	2554	2554	2555	2554	2554	2554	2555	2554	2554	2555	2555
5	2339	2343	2346	2348	2348	2348	2349	2348	2348	2348	2346	2343	2339	2343	2346	2348	2348	2348	2349
10	1760	1762	1766	1769	1771	1774	1774	1774	1771	1769	1766	1762	1760	1762	1766	1769	1771	1774	1774
15	1118	1123	1125	1130	1133	1136	1134	1136	1133	1130	1125	1123	1118	1123	1125	1130	1133	1136	1134
20	694	702	705	706	709	709	707	709	709	706	705	702	694	702	705	706	709	709	707
25	489	494	495	494	495	496	496	496	495	494	495	494	489	494	495	494	495	496	496
30	307	312	315	316	317	318	319	318	317	316	315	312	307	312	315	316	317	318	319
35	115	120	123	123	124	125	126	125	124	123	123	120	115	120	123	123	124	125	126
40	21.4	22.1	22.4	22.1	22.0	22.0	21.9	22.0	22.0	22.1	22.4	22.1	21.4	22.1	22.4	22.1	22.0	22.0	21.9
45	12.4	12.8	12.9	12.6	12.5	12.5	12.4	12.5	12.5	12.6	12.9	12.8	12.4	12.8	12.9	12.6	12.5	12.5	12.4
50	9.99	10.3	10.3	10.1	10.0	10.1	10.0	10.1	10.0	10.1	10.3	10.3	9.99	10.3	10.3	10.1	10.0	10.1	10.0
55	7.83	8.08	8.12	8.02	8.03	8.05	8.05	8.05	8.03	8.02	8.12	8.08	7.83	8.08	8.12	8.02	8.03	8.05	8.05
60	4.62	4.79	4.89	4.89	4.93	4.97	4.96	4.97	4.93	4.89	4.89	4.79	4.62	4.79	4.89	4.89	4.93	4.97	4.96
65	2.03	2.16	2.24	2.26	2.29	2.30	2.21	2.30	2.29	2.26	2.24	2.16	2.03	2.16	2.24	2.26	2.29	2.30	2.21
70	0.78	0.86	0.89	0.88	0.84	0.84	0.88	0.84	0.84	0.88	0.89	0.86	0.78	0.86	0.89	0.88	0.84	0.84	0.88
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) γ (DEG)	285	300	315	330	345														
0	2555	2554	2554	2555	2554														
5	2348	2348	2348	2346	2343														
10	1774	1771	1769	1766	1762														
15	1136	1133	1130	1125	1123														
20	709	709	706	705	702														
25	496	495	494	495	494														
30	318	317	316	315	312														
35	125	124	123	123	120														
40	22.0	22.0	22.1	22.4	22.1														
45	12.5	12.5	12.6	12.9	12.8														
50	10.1	10.0	10.1	10.3	10.3														
55	8.05	8.03	8.02	8.12	8.08														
60	4.97	4.93	4.89	4.89	4.79														
65	2.30	2.29	2.26	2.24	2.16														
70	0.84	0.84	0.88	0.89	0.86														
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

Model No.	PIVOTM24DB @10W3500K	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	0.082	9.6	0.974	12.41

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*****