

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		587
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Standard	Premium	86.3
			95	110	
Power (Input Wattage) (W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Case		6.8
Total Harmonic Distortion (A%) (THD & PF – Section 4.3)		ANSI C82.77:2002 ANSI C82-77-10:2020	20.00%	120V	12.56
Power Factor (THD & PF – Section 4.3)		ANSI C82.77:2002 ANSI C82-77-10:2020	0.9	120V	0.957
Allowable CCTs* (K) (Integrating Sphere – Section 4.1)		ANSI/IES LM-79:2019	7 steps	3045±175	3021
			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		74
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		0.059
(Goniophotometer – Section 4.2)			Non-Worst Case		N/A
Power (Input Wattage – W)					
(Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Case		6.8
(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 @8W3000K	-	250903023-S1
2	Goniophotometer Test	2025-09-09	PIVOTM24DB @8W3000K	-	250903023-S1
3	THD and PF Test	2025-09-09	PIVOTM24DB @8W3000K	-	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 @8W3000K, 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 @8W3000K	Sample ID	250903023-S1
Operate time (Min.)	10	Stabilization time (Min.)	60
Temperature (°C)	25.4	Humidity (%RH)	41.0

Test Method

The Samples were tested according to the ANSI/IES LM-79:2019.

Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at $25 \pm 1^\circ\text{C}$.

The sample measurements were made using a spectroradiometer connected by a fiber optic cable and detector through the detector port of the integrating sphere.

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.

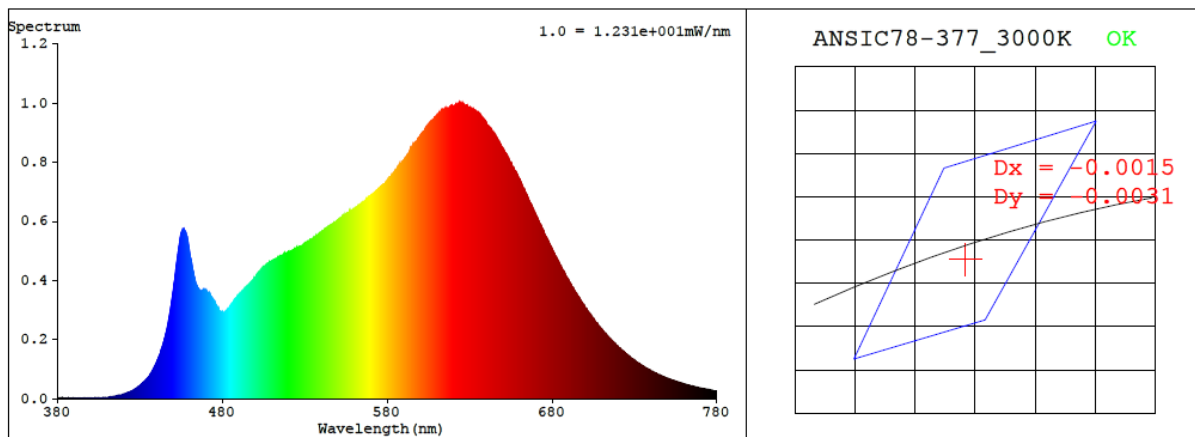
The sample was measured using 4π geometry and operated at rated voltage and was stabilized before measurement. Chromaticity coordinates, correlated color temperature and color rendering index were calculated from the spectral radiant flux measurements taken at 1 nm intervals over the range of 380 to 780nm.

Test Result

Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
120.0	60	0.059	6.8	0.957

CCT (K)	CRI	R9	Duv	SDCM	Rf	Rg	IES Rcs,h1
3021	95.1	74	-0.0011	1.5	91	97	-3%

4.1 Integrating Sphere Test



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4340$ $y = 0.4004$ / $u' = 0.2502$ $v' = 0.5195$ ($duv = -1.05e-03$)

CCT= 3021K Prcp WL: $L_d = 583.1\text{nm}$ Purity=50.5%

Peak WL: $L_p = 624\text{nm}$ FWHM: $=158.3\text{nm}$ Ratio: $R=24.9\%$ $G=71.6\%$ $B=3.5\%$

Render Index: $R_a = 95.1$ AvgR = 93.9 TM30: $R_f = 92$ $R_g = 99$

EEL: 0.13349 A+

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

R8 =87 R9 =74 R10=98 R11=99 R12=84 R13=100 R14=99 R15=94

4.1 Integrating Sphere Test

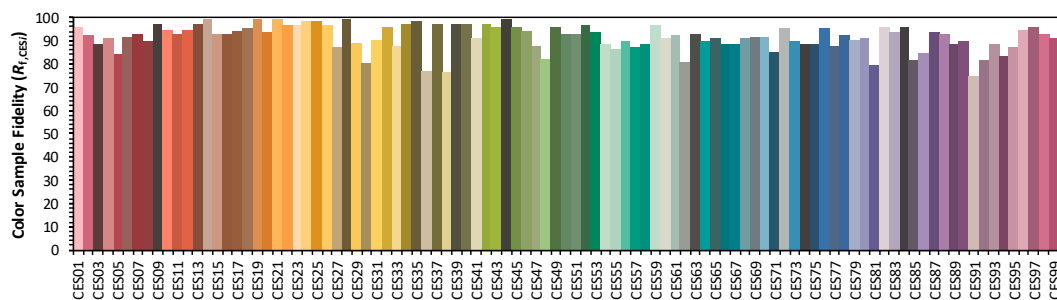
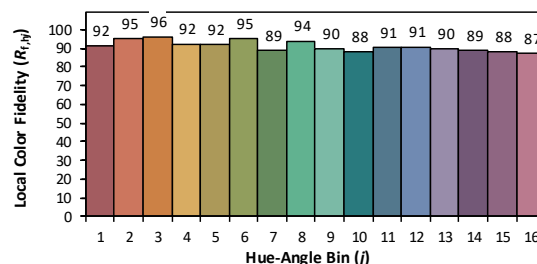
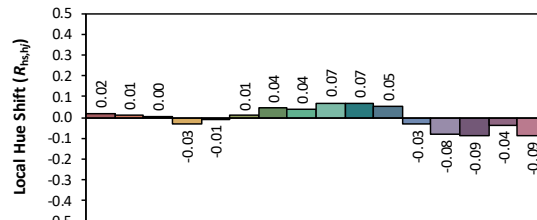
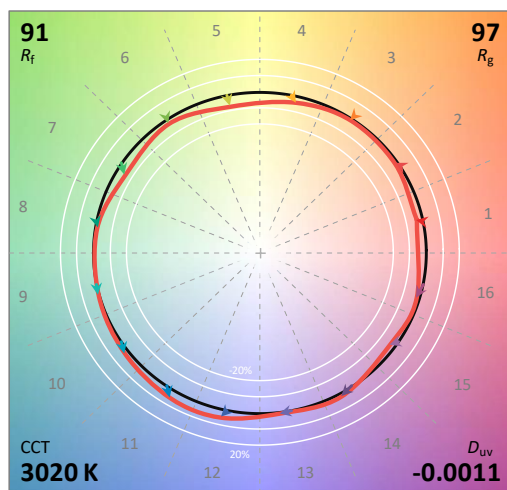
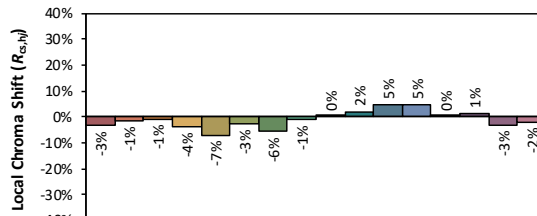
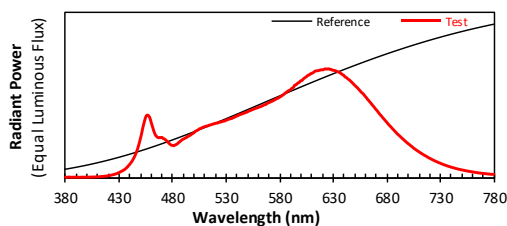
ANSI/IES TM-30-18 Color Rendition Report

Source: 1 CIE F1

Manufacturer: RAB Lighting Inc.

Date: 2025/9/19

Model: PIVOTM24DB @8W3000K



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

x 0.4340
 y 0.4004
 u' 0.2503
 v' 0.5195

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	1.80E-06	447	2.54E-04	514	4.79E-04	581	7.43E-04	648	8.69E-04	715	2.04E-04
381	7.00E-07	448	2.87E-04	515	4.81E-04	582	7.50E-04	649	8.57E-04	716	1.99E-04
382	1.40E-06	449	3.23E-04	516	4.84E-04	583	7.57E-04	650	8.47E-04	717	1.93E-04
383	3.40E-06	450	3.61E-04	517	4.88E-04	584	7.64E-04	651	8.38E-04	718	1.88E-04
384	1.70E-06	451	4.02E-04	518	4.92E-04	585	7.73E-04	652	8.28E-04	719	1.81E-04
385	1.70E-06	452	4.50E-04	519	4.93E-04	586	7.80E-04	653	8.20E-04	720	1.77E-04
386	5.00E-07	453	4.90E-04	520	4.97E-04	587	7.87E-04	654	8.08E-04	721	1.72E-04
387	2.00E-06	454	5.28E-04	521	4.98E-04	588	7.95E-04	655	7.98E-04	722	1.66E-04
388	1.80E-06	455	5.58E-04	522	5.00E-04	589	8.00E-04	656	7.85E-04	723	1.62E-04
389	1.70E-06	456	5.71E-04	523	5.04E-04	590	8.05E-04	657	7.77E-04	724	1.56E-04
390	1.20E-06	457	5.70E-04	524	5.08E-04	591	8.15E-04	658	7.68E-04	725	1.52E-04
391	1.40E-06	458	5.61E-04	525	5.09E-04	592	8.22E-04	659	7.56E-04	726	1.47E-04
392	1.60E-06	459	5.39E-04	526	5.12E-04	593	8.29E-04	660	7.43E-04	727	1.43E-04
393	4.00E-07	460	5.03E-04	527	5.15E-04	594	8.47E-04	661	7.32E-04	728	1.38E-04
394	1.20E-06	461	4.72E-04	528	5.17E-04	595	8.51E-04	662	7.18E-04	729	1.34E-04
395	1.80E-06	462	4.39E-04	529	5.20E-04	596	8.58E-04	663	7.09E-04	730	1.31E-04
396	1.80E-06	463	4.10E-04	530	5.27E-04	597	8.67E-04	664	6.96E-04	731	1.25E-04
397	1.60E-06	464	3.89E-04	531	5.28E-04	598	8.71E-04	665	6.85E-04	732	1.22E-04
398	2.20E-06	465	3.76E-04	532	5.33E-04	599	8.81E-04	666	6.72E-04	733	1.18E-04
399	2.20E-06	466	3.68E-04	533	5.37E-04	600	8.89E-04	667	6.60E-04	734	1.14E-04
400	2.20E-06	467	3.65E-04	534	5.39E-04	601	8.91E-04	668	6.49E-04	735	1.11E-04
401	2.20E-06	468	3.66E-04	535	5.41E-04	602	9.04E-04	669	6.36E-04	736	1.08E-04
402	2.20E-06	469	3.65E-04	536	5.45E-04	603	9.12E-04	670	6.24E-04	737	1.04E-04
403	2.60E-06	470	3.68E-04	537	5.50E-04	604	9.19E-04	671	6.13E-04	738	1.01E-04
404	2.80E-06	471	3.58E-04	538	5.53E-04	605	9.25E-04	672	6.00E-04	739	9.81E-05
405	3.50E-06	472	3.54E-04	539	5.61E-04	606	9.34E-04	673	5.87E-04	740	9.43E-05
406	3.50E-06	473	3.48E-04	540	5.63E-04	607	9.41E-04	674	5.75E-04	741	9.17E-05
407	3.60E-06	474	3.39E-04	541	5.68E-04	608	9.44E-04	675	5.64E-04	742	8.87E-05
408	4.10E-06	475	3.31E-04	542	5.73E-04	609	9.53E-04	676	5.52E-04	743	8.70E-05
409	4.50E-06	476	3.19E-04	543	5.77E-04	610	9.56E-04	677	5.41E-04	744	8.31E-05
410	5.20E-06	477	3.10E-04	544	5.81E-04	611	9.61E-04	678	5.30E-04	745	8.06E-05
411	5.20E-06	478	3.01E-04	545	5.83E-04	612	9.68E-04	679	5.18E-04	746	7.83E-05
412	6.40E-06	479	2.95E-04	546	5.88E-04	613	9.76E-04	680	5.07E-04	747	7.54E-05
413	7.00E-06	480	2.94E-04	547	5.91E-04	614	9.78E-04	681	4.95E-04	748	7.37E-05
414	8.20E-06	481	2.91E-04	548	5.95E-04	615	9.79E-04	682	4.83E-04	749	7.09E-05
415	8.90E-06	482	2.96E-04	549	5.98E-04	616	9.81E-04	683	4.73E-04	750	6.93E-05
416	9.80E-06	483	3.01E-04	550	6.03E-04	617	9.84E-04	684	4.63E-04	751	6.70E-05
417	1.12E-05	484	3.05E-04	551	6.09E-04	618	9.86E-04	685	4.51E-04	752	6.55E-05
418	1.23E-05	485	3.14E-04	552	6.12E-04	619	9.89E-04	686	4.41E-04	753	6.29E-05
419	1.37E-05	486	3.23E-04	553	6.16E-04	620	9.88E-04	687	4.31E-04	754	6.10E-05
420	1.53E-05	487	3.31E-04	554	6.21E-04	621	9.91E-04	688	4.20E-04	755	5.91E-05
421	1.75E-05	488	3.39E-04	555	6.24E-04	622	9.96E-04	689	4.10E-04	756	5.72E-05
422	1.92E-05	489	3.47E-04	556	6.29E-04	623	9.96E-04	690	3.99E-04	757	5.56E-05
423	2.15E-05	490	3.52E-04	557	6.33E-04	624	9.94E-04	691	3.90E-04	758	5.38E-05
424	2.39E-05	491	3.57E-04	558	6.36E-04	625	9.97E-04	692	3.81E-04	759	5.21E-05
425	2.61E-05	492	3.63E-04	559	6.39E-04	626	9.97E-04	693	3.72E-04	760	5.01E-05
426	2.91E-05	493	3.67E-04	560	6.43E-04	627	9.92E-04	694	3.62E-04	761	4.87E-05
427	3.25E-05	494	3.75E-04	561	6.46E-04	628	9.93E-04	695	3.54E-04	762	4.74E-05
428	3.57E-05	495	3.80E-04	562	6.49E-04	629	9.87E-04	696	3.45E-04	763	4.56E-05
429	4.08E-05	496	3.85E-04	563	6.55E-04	630	9.84E-04	697	3.36E-04	764	4.38E-05
430	4.46E-05	497	3.92E-04	564	6.58E-04	631	9.83E-04	698	3.26E-04	765	4.31E-05
431	4.96E-05	498	3.99E-04	565	6.64E-04	632	9.80E-04	699	3.19E-04	766	4.11E-05
432	5.48E-05	499	4.05E-04	566	6.67E-04	633	9.76E-04	700	3.10E-04	767	3.98E-05
433	5.99E-05	500	4.12E-04	567	6.71E-04	634	9.71E-04	701	3.03E-04	768	3.88E-05
434	6.58E-05	501	4.21E-04	568	6.77E-04	635	9.69E-04	702	2.94E-04	769	3.76E-05
435	7.16E-05	502	4.28E-04	569	6.84E-04	636	9.63E-04	703	2.88E-04	770	3.64E-05
436	7.98E-05	503	4.32E-04	570	6.87E-04	637	9.57E-04	704	2.79E-04	771	3.52E-05
437	8.85E-05	504	4.38E-04	571	6.92E-04	638	9.49E-04	705	2.70E-04	772	3.40E-05
438	9.87E-05	505	4.46E-04	572	6.96E-04	639	9.42E-04	706	2.63E-04	773	3.33E-05
439	1.10E-04	506	4.48E-04	573	7.00E-04	640	9.37E-04	707	2.56E-04	774	3.22E-05
440	1.22E-04	507	4.54E-04	574	7.06E-04	641	9.23E-04	708	2.49E-04	775	3.11E-05
441	1.34E-04	508	4.59E-04	575	7.11E-04	642	9.20E-04	709	2.42E-04	776	3.01E-05
442	1.48E-04	509	4.63E-04	576	7.16E-04	643	9.12E-04	710	2.36E-04	777	2.90E-05
443	1.65E-04	510	4.66E-04	577	7.22E-04	644	9.02E-04	711	2.29E-04	778	2.82E-05
444	1.83E-04	511	4.70E-04	578	7.26E-04	645	8.97E-04	712	2.22E-04	779	2.81E-05
445	2.05E-04	512	4.72E-04	579	7.31E-04	646	8.87E-04	713	2.17E-04	780	2.82E-05
446	2.28E-04	513	4.74E-04	580	7.38E-04	647	8.77E-04	714	2.10E-04	N/A	N/A

4.0 LM-79 Measurement and Test Results

4.2 Goniophotometer Test

Model No.	PIVOTM24DB @8W3000K	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	0.059	6.8	0.957
NON-WORST CASE	N/A	N/A	N/A	N/A	N/A

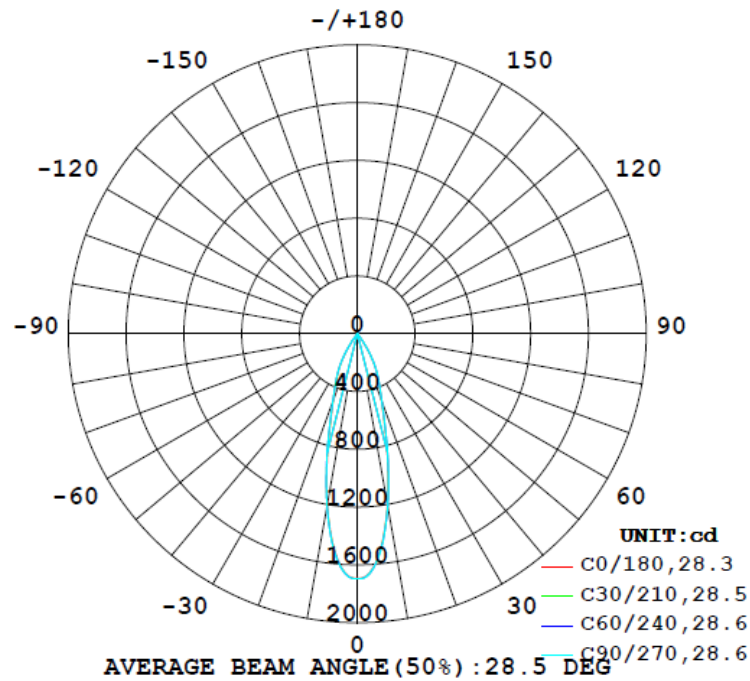
Test Result

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°)
587	63.3	63.9	28.3	28.7	86.3	100.0%

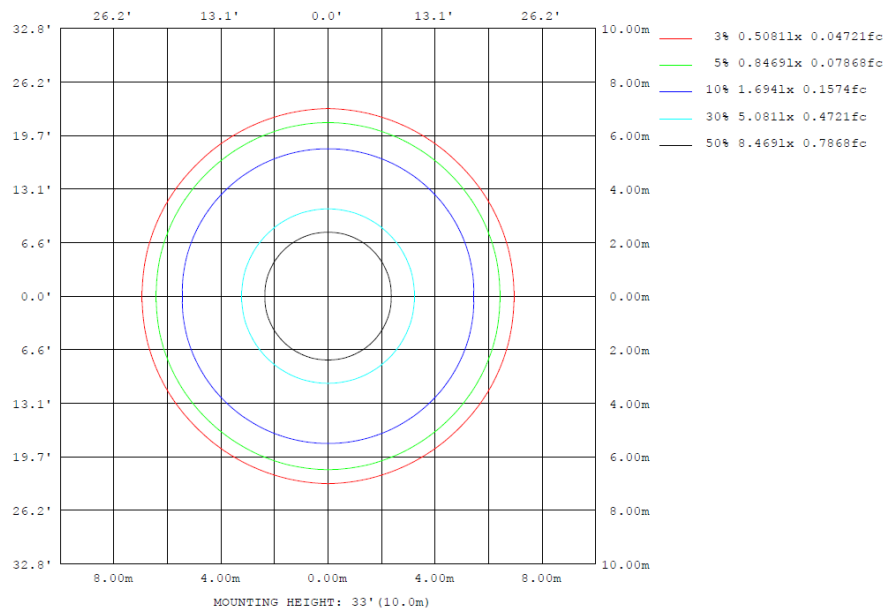
4.2 Goniophotometer Test

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	± zone	± total	%lum, lamp
10	1202	1214	1214	1214	1202	1214	1214	1214	0~ 10	138.4	138.4	23.6, 23.6
20	487.0	494.1	496.2	494.1	487.0	494.1	496.2	494.1	10~ 20	219.0	357.4	60.9, 60.9
30	212.4	221.9	220.9	221.9	212.4	221.9	220.9	221.9	20~ 30	157.5	514.9	87.8, 87.8
40	15.06	15.36	15.36	15.36	15.06	15.36	15.36	15.36	30~ 40	57.73	572.6	97.6, 97.6
50	6.914	7.034	6.950	7.034	6.914	7.034	6.950	7.034	40~ 50	7.183	579.8	98.9, 98.9
60	3.232	3.421	3.467	3.421	3.232	3.421	3.467	3.421	50~ 60	4.866	584.7	99.7, 99.7
70	0.5568	0.6264	0.6234	0.6264	0.5568	0.6264	0.6234	0.6264	60~ 70	1.690	586.4	100, 100
80	0.0176	0.0160	0.0163	0.0160	0.0176	0.0160	0.0163	0.0160	70~ 80	0.1149	586.5	100, 100
90	0	0	0	0	0	0	0	0	80~ 90	0.0092	586.5	100, 100
100	0	0	0	0	0	0	0	0	90~100	0	586.5	100, 100
110	0	0	0	0	0	0	0	0	100~110	0	586.5	100, 100
120	0	0	0	0	0	0	0	0	110~120	0	586.5	100, 100
130	0	0	0	0	0	0	0	0	120~130	0	586.5	100, 100
140	0	0	0	0	0	0	0	0	130~140	0	586.5	100, 100
150	0	0	0	0	0	0	0	0	140~150	0	586.5	100, 100
160	0	0	0	0	0	0	0	0	150~160	0	586.5	100, 100
170	0	0	0	0	0	0	0	0	160~170	0	586.5	100, 100
180	0	0	0	0	0	0	0	0	170~180	0	586.5	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Zonal (lm)		Total (lm)		Percent
0-10	138.43	0-10	138.43	23.60%
10-20	219.00	0-20	357.43	60.94%
20-30	157.47	0-30	514.90	87.79%
30-40	57.73	0-40	572.63	97.64%
40-50	7.18	0-50	579.81	98.86%
50-60	4.87	0-60	584.68	99.69%
60-70	1.69	0-70	586.37	99.98%
70-80	0.11	0-80	586.48	100.00%
80-90	0.01	0-90	586.49	100.00%
90-100	0.00	0-100	586.49	100.00%
100-110	0.00	0-110	586.49	100.00%
110-120	0.00	0-120	586.49	100.00%
120-130	0.00	0-130	586.49	100.00%
130-140	0.00	0-140	586.49	100.00%
140-150	0.00	0-150	586.49	100.00%
150-160	0.00	0-160	586.49	100.00%
160-170	0.00	0-170	586.49	100.00%
170-180	0.00	0-180	586.49	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	1694	1697	1694	1697	1695	1696	1696	1696	1695	1697	1694	1697	1694	1697	1694	1697	1695	1696	1696
5	1568	1577	1575	1575	1576	1575	1575	1575	1576	1575	1575	1577	1568	1577	1575	1575	1576	1575	1575
10	1202	1209	1209	1214	1214	1214	1214	1214	1214	1209	1209	1202	1209	1209	1214	1214	1214	1214	1214
15	781	788	789	792	794	797	793	797	794	792	789	788	781	788	789	792	794	797	793
20	487	492	493	494	495	496	496	496	495	494	493	492	487	492	493	494	495	496	496
25	341	344	345	344	345	346	347	346	345	344	345	344	341	344	345	344	345	346	347
30	212	217	220	222	223	222	221	222	223	222	220	217	212	217	220	222	223	222	221
35	86.1	88.1	88.2	87.0	88.3	90.2	93.0	90.2	88.3	87.0	88.2	88.1	86.1	88.1	88.2	87.0	88.3	90.2	93.0
40	15.1	15.4	15.6	15.4	15.2	15.3	15.4	15.3	15.2	15.4	15.6	15.4	15.1	15.4	15.6	15.4	15.2	15.3	15.4
45	8.62	8.89	8.96	8.75	8.68	8.67	8.61	8.67	8.68	8.75	8.96	8.89	8.62	8.89	8.96	8.75	8.68	8.67	8.61
50	6.91	7.15	7.19	7.03	6.94	6.97	6.95	6.97	6.94	7.03	7.19	7.15	6.91	7.15	7.19	7.03	6.94	6.97	6.95
55	5.42	5.62	5.64	5.57	5.58	5.58	5.58	5.58	5.57	5.64	5.62	5.42	5.42	5.62	5.64	5.57	5.58	5.58	5.58
60	3.23	3.35	3.42	3.42	3.46	3.48	3.47	3.48	3.46	3.42	3.42	3.35	3.23	3.35	3.42	3.42	3.46	3.48	3.47
65	1.42	1.51	1.57	1.58	1.60	1.61	1.55	1.60	1.58	1.57	1.51	1.42	1.42	1.51	1.57	1.58	1.60	1.61	1.55
70	0.56	0.61	0.63	0.63	0.60	0.60	0.62	0.60	0.60	0.63	0.63	0.61	0.56	0.61	0.63	0.63	0.60	0.60	0.62
75	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
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	1696	1695	1697	1694	1697														
5	1575	1576	1575	1575	1577														
10	1214	1214	1214	1209	1209														
15	797	794	792	789	788														
20	496	495	494	493	492														
25	346	345	344	345	344														
30	222	223	222	220	217														
35	90.2	88.3	87.0	88.2	88.1														
40	15.3	15.2	15.4	15.6	15.4														
45	8.67	8.68	8.75	8.96	8.89														
50	6.97	6.94	7.03	7.19	7.15														
55	5.58	5.58	5.57	5.64	5.62														
60	3.48	3.46	3.42	3.42	3.35														
65	1.61	1.60	1.58	1.57	1.51														
70	0.60	0.60	0.63	0.63	0.61														
75	0.03	0.03	0.03	0.03	0.03														
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 @8W3000K	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	0.059	6.8	0.957	12.56

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*****