

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		605
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Standard	Premium	90.3
			95	110	
Power (Input Wattage) (W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Case		6.7
Total Harmonic Distortion (A%) (THD & PF – Section 4.3)		ANSI C82.77:2002 ANSI C82-77-10:2020	20.00%	120V	12.67
Power Factor (THD & PF – Section 4.3)		ANSI C82.77:2002 ANSI C82-77-10:2020	0.9	120V	0.956
Allowable CCTs* (K) (Integrating Sphere – Section 4.1)		ANSI/IES LM-79:2019	7 steps	3465±245	3502
			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		80
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		0.058
(Goniophotometer – Section 4.2)			Non-Worst Case		N/A
Power (Input Wattage – W)					
(Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Case		6.7
(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 @8W3500K	-	250903023-S1
2	Goniophotometer Test	2025-09-09	PIVOTM24DB @8W3500K	-	250903023-S1
3	THD and PF Test	2025-09-09	PIVOTM24DB @8W3500K	-	250903023-S1

Remark (If any):

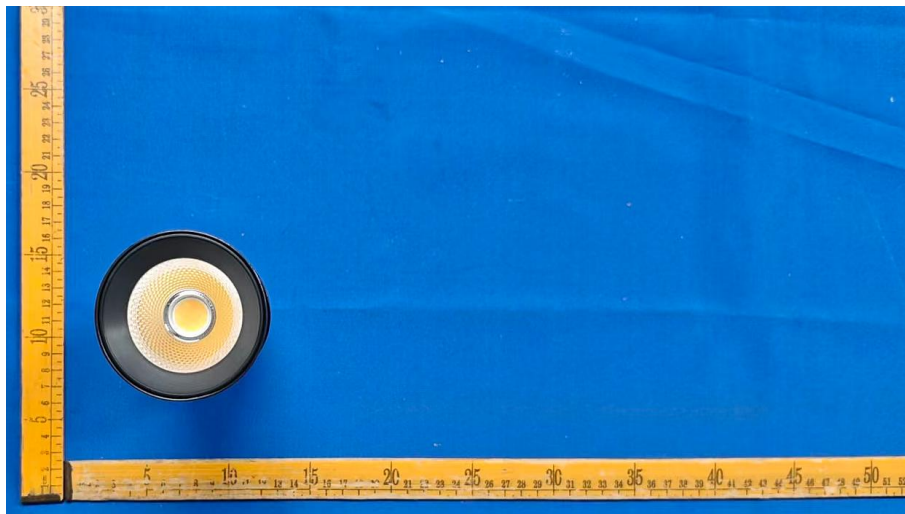
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3.0 Product Description

Luminaire Description: Model No. PIVOTM24DB @8W3500K, 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 @8W3500K	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 $25\pm1^{\circ}\text{C}$.

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.

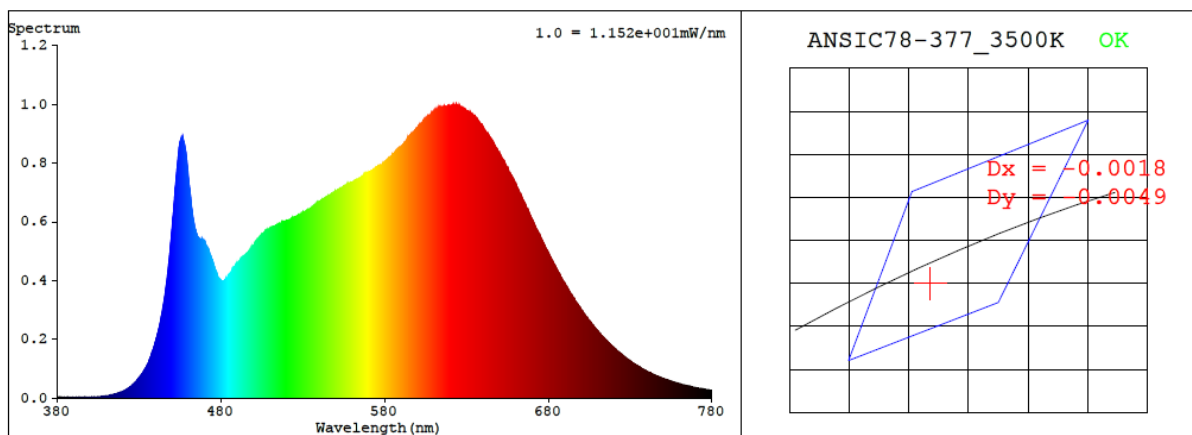
The sample was measured using 4π geometry and operated at rated voltage and was stabilized before measurement. Chromaticity coordinates, correlated color temperature and color rendering index were calculated from the spectral radiant flux measurements taken at 1 nm intervals over the range of 380 to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

Test Result

Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
120.0	60	0.058	6.7	0.956

CCT (K)	CRI	R9	Duv	SDCM	Rf	Rg	IES Rcs,h1
3502	95.2	80	-0.0018	2.8	91	97	-3%

4.1 Integrating Sphere Test



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4034$ $y = 0.3858$ / $u' = 0.2365$ $v' = 0.5089$ ($duv = -1.77e-03$)

CCT= 3502K Prcp WL: $L_d = 581.7\text{nm}$ Purity=36.8%

Peak WL: $L_p = 624\text{nm}$ FWHM: $=182.4\text{nm}$ Ratio: R=22.4% G=73.2% B=4.3%

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

EEL: 0.12867 A+

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

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

4.1 Integrating Sphere Test

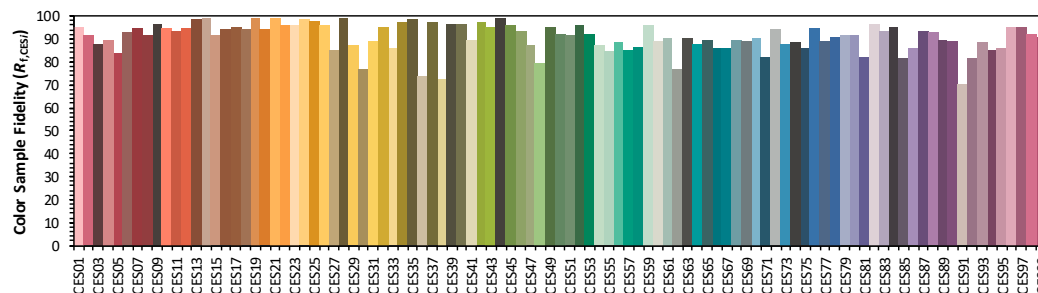
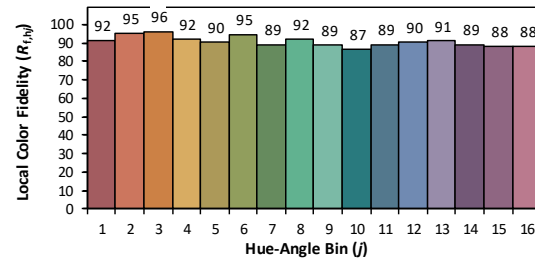
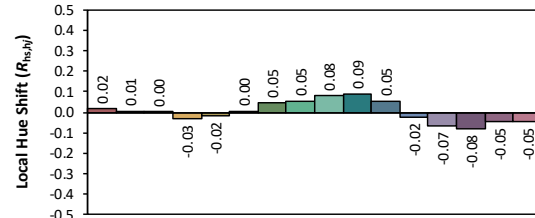
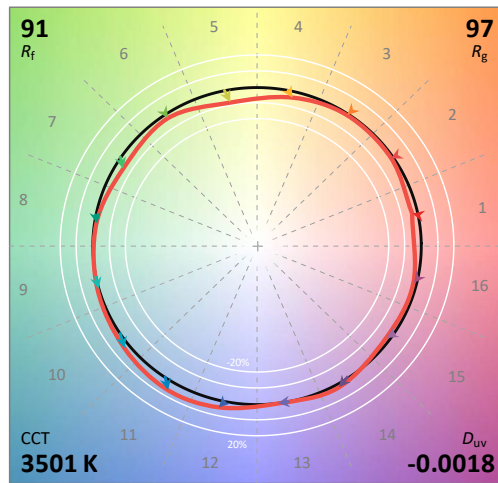
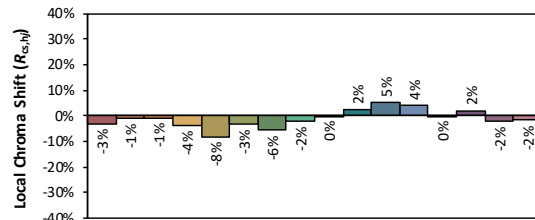
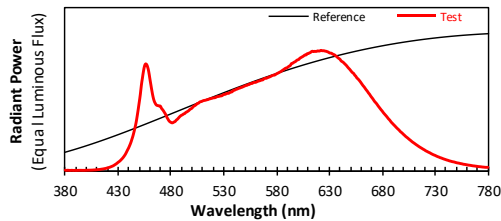
ANSI/IES TM-30-18 Color Rendition Report

Source: 1 CIE F1

Manufacturer: RAB Lighting Inc.

Date: 2025/9/19

Model: PIVOTM24DB @8W3500K



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

x 0.4034
 y 0.3857
 u' 0.2365
 v' 0.5089

CIE 13.3-1995
(CRI)
 R_a 95
 R_g 80

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	4.10E-06	447	3.99E-04	514	5.89E-04	581	8.08E-04	648	8.53E-04	715	1.99E-04
381	1.90E-06	448	4.51E-04	515	5.90E-04	582	8.13E-04	649	8.44E-04	716	1.93E-04
382	3.40E-06	449	5.08E-04	516	5.94E-04	583	8.18E-04	650	8.33E-04	717	1.88E-04
383	2.90E-06	450	5.69E-04	517	5.97E-04	584	8.22E-04	651	8.22E-04	718	1.83E-04
384	2.20E-06	451	6.31E-04	518	5.99E-04	585	8.29E-04	652	8.13E-04	719	1.77E-04
385	2.10E-06	452	7.09E-04	519	6.01E-04	586	8.35E-04	653	8.07E-04	720	1.72E-04
386	3.00E-06	453	7.68E-04	520	6.04E-04	587	8.41E-04	654	7.93E-04	721	1.66E-04
387	2.30E-06	454	8.26E-04	521	6.05E-04	588	8.47E-04	655	7.84E-04	722	1.62E-04
388	1.90E-06	455	8.68E-04	522	6.07E-04	589	8.52E-04	656	7.70E-04	723	1.57E-04
389	2.60E-06	456	8.86E-04	523	6.11E-04	590	8.55E-04	657	7.62E-04	724	1.52E-04
390	1.60E-06	457	8.80E-04	524	6.15E-04	591	8.62E-04	658	7.52E-04	725	1.49E-04
391	2.20E-06	458	8.59E-04	525	6.16E-04	592	8.68E-04	659	7.42E-04	726	1.43E-04
392	2.50E-06	459	8.21E-04	526	6.18E-04	593	8.73E-04	660	7.29E-04	727	1.39E-04
393	2.70E-06	460	7.66E-04	527	6.20E-04	594	8.88E-04	661	7.16E-04	728	1.34E-04
394	2.70E-06	461	7.13E-04	528	6.21E-04	595	8.91E-04	662	7.04E-04	729	1.30E-04
395	2.90E-06	462	6.61E-04	529	6.26E-04	596	8.97E-04	663	6.94E-04	730	1.27E-04
396	2.30E-06	463	6.16E-04	530	6.33E-04	597	9.02E-04	664	6.81E-04	731	1.23E-04
397	2.60E-06	464	5.82E-04	531	6.33E-04	598	9.07E-04	665	6.69E-04	732	1.18E-04
398	2.40E-06	465	5.62E-04	532	6.36E-04	599	9.15E-04	666	6.59E-04	733	1.15E-04
399	2.90E-06	466	5.47E-04	533	6.41E-04	600	9.20E-04	667	6.45E-04	734	1.12E-04
400	3.00E-06	467	5.41E-04	534	6.42E-04	601	9.23E-04	668	6.35E-04	735	1.08E-04
401	3.80E-06	468	5.40E-04	535	6.44E-04	602	9.33E-04	669	6.21E-04	736	1.05E-04
402	3.80E-06	469	5.36E-04	536	6.50E-04	603	9.38E-04	670	6.09E-04	737	1.01E-04
403	3.90E-06	470	5.36E-04	537	6.52E-04	604	9.44E-04	671	5.98E-04	738	9.79E-05
404	4.30E-06	471	5.18E-04	538	6.56E-04	605	9.48E-04	672	5.85E-04	739	9.50E-05
405	4.50E-06	472	5.07E-04	539	6.66E-04	606	9.55E-04	673	5.72E-04	740	9.21E-05
406	5.00E-06	473	4.95E-04	540	6.67E-04	607	9.61E-04	674	5.63E-04	741	8.86E-05
407	5.90E-06	474	4.81E-04	541	6.72E-04	608	9.61E-04	675	5.52E-04	742	8.66E-05
408	6.20E-06	475	4.67E-04	542	6.76E-04	609	9.71E-04	676	5.39E-04	743	8.32E-05
409	6.60E-06	476	4.46E-04	543	6.78E-04	610	9.72E-04	677	5.28E-04	744	8.05E-05
410	7.90E-06	477	4.30E-04	544	6.83E-04	611	9.77E-04	678	5.16E-04	745	7.83E-05
411	8.70E-06	478	4.16E-04	545	6.85E-04	612	9.80E-04	679	5.05E-04	746	7.55E-05
412	9.40E-06	479	4.06E-04	546	6.89E-04	613	9.88E-04	680	4.95E-04	747	7.37E-05
413	1.04E-05	480	4.01E-04	547	6.92E-04	614	9.91E-04	681	4.82E-04	748	7.21E-05
414	1.20E-05	481	3.97E-04	548	6.95E-04	615	9.88E-04	682	4.72E-04	749	6.94E-05
415	1.32E-05	482	3.99E-04	549	6.99E-04	616	9.90E-04	683	4.62E-04	750	6.67E-05
416	1.45E-05	483	4.04E-04	550	7.04E-04	617	9.90E-04	684	4.52E-04	751	6.45E-05
417	1.65E-05	484	4.08E-04	551	7.07E-04	618	9.91E-04	685	4.41E-04	752	6.31E-05
418	1.79E-05	485	4.19E-04	552	7.09E-04	619	9.94E-04	686	4.30E-04	753	6.14E-05
419	2.07E-05	486	4.26E-04	553	7.14E-04	620	9.93E-04	687	4.21E-04	754	5.91E-05
420	2.30E-05	487	4.35E-04	554	7.15E-04	621	9.94E-04	688	4.09E-04	755	5.76E-05
421	2.54E-05	488	4.45E-04	555	7.21E-04	622	9.99E-04	689	3.98E-04	756	5.55E-05
422	2.83E-05	489	4.54E-04	556	7.23E-04	623	9.96E-04	690	3.90E-04	757	5.30E-05
423	3.16E-05	490	4.60E-04	557	7.25E-04	624	9.96E-04	691	3.80E-04	758	5.21E-05
424	3.54E-05	491	4.64E-04	558	7.31E-04	625	9.95E-04	692	3.72E-04	759	5.05E-05
425	3.90E-05	492	4.71E-04	559	7.32E-04	626	9.92E-04	693	3.62E-04	760	4.88E-05
426	4.38E-05	493	4.74E-04	560	7.33E-04	627	9.91E-04	694	3.53E-04	761	4.72E-05
427	4.97E-05	494	4.83E-04	561	7.36E-04	628	9.88E-04	695	3.45E-04	762	4.55E-05
428	5.52E-05	495	4.88E-04	562	7.41E-04	629	9.84E-04	696	3.37E-04	763	4.47E-05
429	6.21E-05	496	4.93E-04	563	7.44E-04	630	9.78E-04	697	3.26E-04	764	4.31E-05
430	6.93E-05	497	5.00E-04	564	7.46E-04	631	9.76E-04	698	3.19E-04	765	4.16E-05
431	7.57E-05	498	5.09E-04	565	7.49E-04	632	9.74E-04	699	3.11E-04	766	4.00E-05
432	8.31E-05	499	5.14E-04	566	7.53E-04	633	9.68E-04	700	3.02E-04	767	3.92E-05
433	9.22E-05	500	5.20E-04	567	7.54E-04	634	9.64E-04	701	2.95E-04	768	3.79E-05
434	1.01E-04	501	5.31E-04	568	7.62E-04	635	9.60E-04	702	2.86E-04	769	3.67E-05
435	1.12E-04	502	5.37E-04	569	7.66E-04	636	9.53E-04	703	2.79E-04	770	3.55E-05
436	1.24E-04	503	5.42E-04	570	7.66E-04	637	9.46E-04	704	2.72E-04	771	3.40E-05
437	1.38E-04	504	5.49E-04	571	7.70E-04	638	9.38E-04	705	2.64E-04	772	3.32E-05
438	1.55E-04	505	5.58E-04	572	7.74E-04	639	9.31E-04	706	2.57E-04	773	3.24E-05
439	1.73E-04	506	5.60E-04	573	7.77E-04	640	9.25E-04	707	2.50E-04	774	3.14E-05
440	1.90E-04	507	5.68E-04	574	7.81E-04	641	9.12E-04	708	2.42E-04	775	3.01E-05
441	2.11E-04	508	5.73E-04	575	7.85E-04	642	9.06E-04	709	2.36E-04	776	2.94E-05
442	2.32E-04	509	5.74E-04	576	7.90E-04	643	9.00E-04	710	2.30E-04	777	2.83E-05
443	2.60E-04	510	5.79E-04	577	7.93E-04	644	8.92E-04	711	2.23E-04	778	2.76E-05
444	2.87E-04	511	5.82E-04	578	7.93E-04	645	8.83E-04	712	2.17E-04	779	2.75E-05
445	3.21E-04	512	5.84E-04	579	7.98E-04	646	8.74E-04	713	2.11E-04	780	2.76E-05
446	3.58E-04	513	5.85E-04	580	8.04E-04	647	8.63E-04	714	2.05E-04	N/A	N/A

4.0 LM-79 Measurement and Test Results

4.2 Goniophotometer Test

Model No.	PIVOTM24DB @8W3500K	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	0.058	6.7	0.956
NON-WORST CASE	N/A	N/A	N/A	N/A	N/A

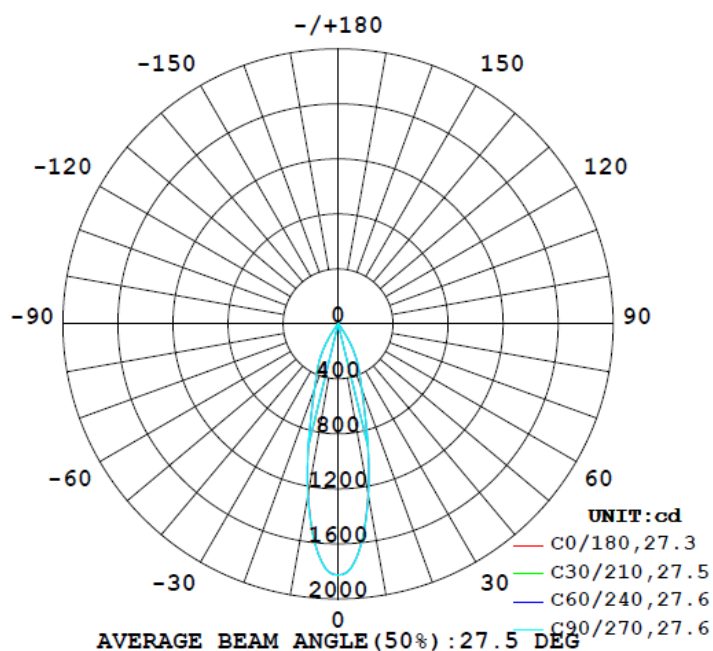
Test Result

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°)
605	62.6	63.2	27.4	27.7	90.3	100.0%

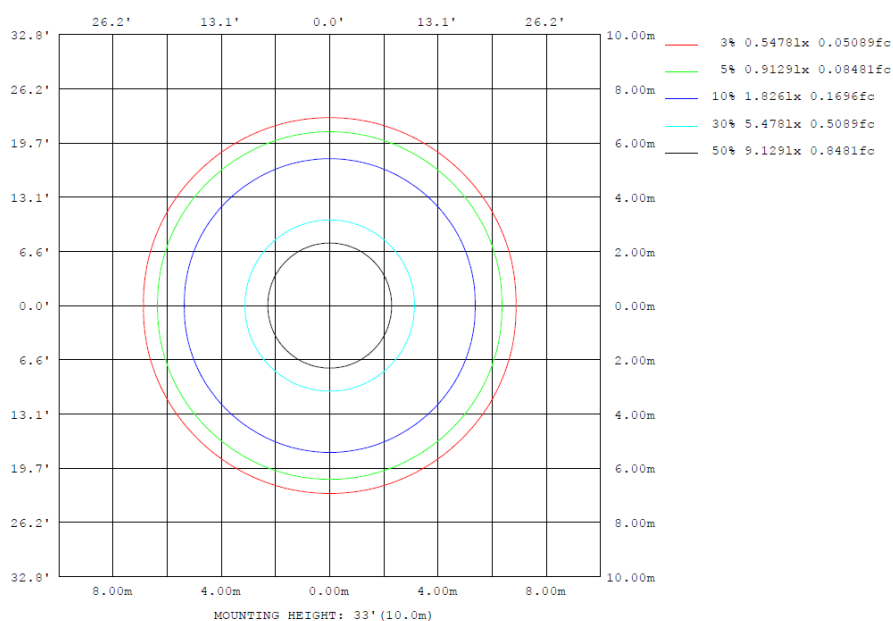
4.2 Goniophotometer Test

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	1257	1262	1269	1262	1257	1262	1269	1262	0- 10	146.4	146.4	24.2, 24.2
20	496.0	504.2	505.0	504.2	496.0	504.2	505.0	504.2	10- 20	224.4	370.9	61.3, 61.3
30	219.4	226.2	227.8	226.2	219.4	226.2	227.8	226.2	20- 30	161.1	531.9	87.9, 87.9
40	15.35	15.88	15.70	15.88	15.35	15.88	15.70	15.88	30- 40	59.24	591.2	97.6, 97.6
50	7.132	7.251	7.154	7.251	7.132	7.251	7.154	7.251	40- 50	7.384	598.6	98.9, 98.9
60	3.313	3.499	3.543	3.499	3.313	3.499	3.543	3.499	50- 60	5.001	603.6	99.7, 99.7
70	0.5615	0.6334	0.6312	0.6334	0.5615	0.6334	0.6312	0.6334	60- 70	1.728	605.3	100, 100
80	0.0169	0.0162	0.0162	0.0162	0.0169	0.0162	0.0162	0.0162	70- 80	0.1142	605.4	100, 100
90	0	0	0	0	0	0	0	0	80- 90	0.0091	605.4	100, 100
100	0	0	0	0	0	0	0	0	90-100	0	605.4	100, 100
110	0	0	0	0	0	0	0	0	100-110	0	605.4	100, 100
120	0	0	0	0	0	0	0	0	110-120	0	605.4	100, 100
130	0	0	0	0	0	0	0	0	120-130	0	605.4	100, 100
140	0	0	0	0	0	0	0	0	130-140	0	605.4	100, 100
150	0	0	0	0	0	0	0	0	140-150	0	605.4	100, 100
160	0	0	0	0	0	0	0	0	150-160	0	605.4	100, 100
170	0	0	0	0	0	0	0	0	160-170	0	605.4	100, 100
180	0	0	0	0	0	0	0	0	170-180	0	605.4	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Zonal (lm)		Total (lm)		Percent
0-10	146.44	0-10	146.44	24.19%
10-20	224.41	0-20	370.85	61.26%
20-30	161.09	0-30	531.94	87.86%
30-40	59.24	0-40	591.18	97.65%
40-50	7.38	0-50	598.56	98.87%
50-60	5.00	0-60	603.56	99.69%
60-70	1.73	0-70	605.29	99.98%
70-80	0.11	0-80	605.40	100.00%
80-90	0.01	0-90	605.41	100.00%
90-100	0.00	0-100	605.41	100.00%
100-110	0.00	0-110	605.41	100.00%
110-120	0.00	0-120	605.41	100.00%
120-130	0.00	0-130	605.41	100.00%
130-140	0.00	0-140	605.41	100.00%
140-150	0.00	0-150	605.41	100.00%
150-160	0.00	0-160	605.41	100.00%
160-170	0.00	0-170	605.41	100.00%
170-180	0.00	0-180	605.41	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	1826	1823	1827	1824	1825	1826	1825	1826	1825	1824	1827	1823	1826	1823	1827	1824	1825	1826	1825
5	1674	1672	1679	1676	1677	1678	1678	1678	1677	1676	1679	1672	1674	1672	1679	1676	1677	1678	1678
10	1257	1257	1262	1262	1265	1268	1269	1268	1265	1262	1262	1257	1257	1257	1262	1262	1265	1268	1269
15	798	802	805	805	809	811	811	811	809	805	805	802	798	802	805	805	809	811	811
20	496	501	503	504	505	506	505	506	505	504	503	501	496	501	503	504	505	506	505
25	349	352	353	353	353	354	353	354	353	353	352	349	352	353	353	353	354	353	353
30	219	223	225	226	226	227	228	227	226	226	225	223	219	223	225	226	226	227	228
35	86.1	89.7	91.6	91.4	91.8	92.4	92.3	92.4	91.8	91.4	91.6	89.7	86.1	89.7	91.6	91.4	91.8	92.4	92.3
40	15.3	15.9	16.1	15.9	15.8	15.8	15.7	15.8	15.8	15.9	16.1	15.9	15.3	15.9	16.1	15.9	15.8	15.8	15.7
45	8.86	9.14	9.21	8.97	8.92	8.92	8.86	8.92	8.92	8.97	9.21	9.14	8.86	9.14	9.21	8.97	8.92	8.92	8.86
50	7.13	7.35	7.40	7.25	7.14	7.19	7.15	7.19	7.14	7.25	7.40	7.35	7.13	7.35	7.40	7.25	7.14	7.19	7.15
55	5.59	5.76	5.79	5.73	5.73	5.74	5.73	5.74	5.73	5.73	5.79	5.76	5.59	5.76	5.79	5.73	5.73	5.74	5.73
60	3.31	3.42	3.50	3.50	3.53	3.55	3.54	3.55	3.53	3.50	3.50	3.42	3.31	3.42	3.50	3.50	3.53	3.55	3.54
65	1.46	1.54	1.61	1.62	1.64	1.65	1.58	1.65	1.64	1.62	1.61	1.54	1.46	1.54	1.61	1.62	1.64	1.65	1.58
70	0.56	0.62	0.64	0.63	0.60	0.61	0.63	0.61	0.60	0.63	0.64	0.62	0.56	0.62	0.64	0.63	0.60	0.61	0.63
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	1826	1825	1824	1827	1823														
5	1678	1677	1676	1679	1672														
10	1268	1265	1262	1262	1257														
15	811	809	805	805	802														
20	506	505	504	503	501														
25	354	353	353	353	352														
30	227	226	226	225	223														
35	92.4	91.8	91.4	91.6	89.7														
40	15.8	15.8	15.9	16.1	15.9														
45	8.92	8.92	8.97	9.21	9.14														
50	7.19	7.14	7.25	7.40	7.35														
55	5.74	5.73	5.73	5.79	5.76														
60	3.55	3.53	3.50	3.50	3.42														
65	1.65	1.64	1.62	1.61	1.54														
70	0.61	0.60	0.63	0.64	0.62														
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 @8W3500K	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	0.058	6.7	0.956	12.67

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*******