

Photometric Test Report

Relevant Standards

- ☒ ANSI/IES LM-79-2019
- ☒ ANSI C82.77-2017

Prepared For

RAB Lighting Inc.

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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		533
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Standard	Premium	91.9
			95	110	
Power (Input Wattage) (W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Case		5.8
Total Harmonic Distortion (A%) (THD & PF – Section 4.3)		ANSI C82.77:2002 ANSI C82-77-10:2020	20.00%	120V	14.17
Power Factor (THD & PF – Section 4.3)		ANSI C82.77:2002 ANSI C82-77-10:2020	0.9	120V	0.945
Allowable CCTs* (K) (Integrating Sphere – Section 4.1)		ANSI/IES LM-79:2019	7 steps	3985±275	3929
			4 steps	3985±154	
Minimum CRI (Integrating Sphere – Section 4.1)		ANSI/IES LM-79:2019 CIE13.3-1995	≥80		95.0
Minimum R9 (Integrating Sphere – Section 4.1)		ANSI/IES LM-79-2019 CIE13.3-1995	≥0		81
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		0.051
(Goniophotometer – Section 4.2)			Non-Worst Case		N/A
Power (Input Wattage – W)					
(Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Case		5.8
(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 @6W4000K	-	250903023-S1
2	Goniophotometer Test	2025-09-09	PIVOTM24DB @6W4000K	-	250903023-S1
3	THD and PF Test	2025-09-09	PIVOTM24DB @6W4000K	-	250903023-S1

Remark (If any):

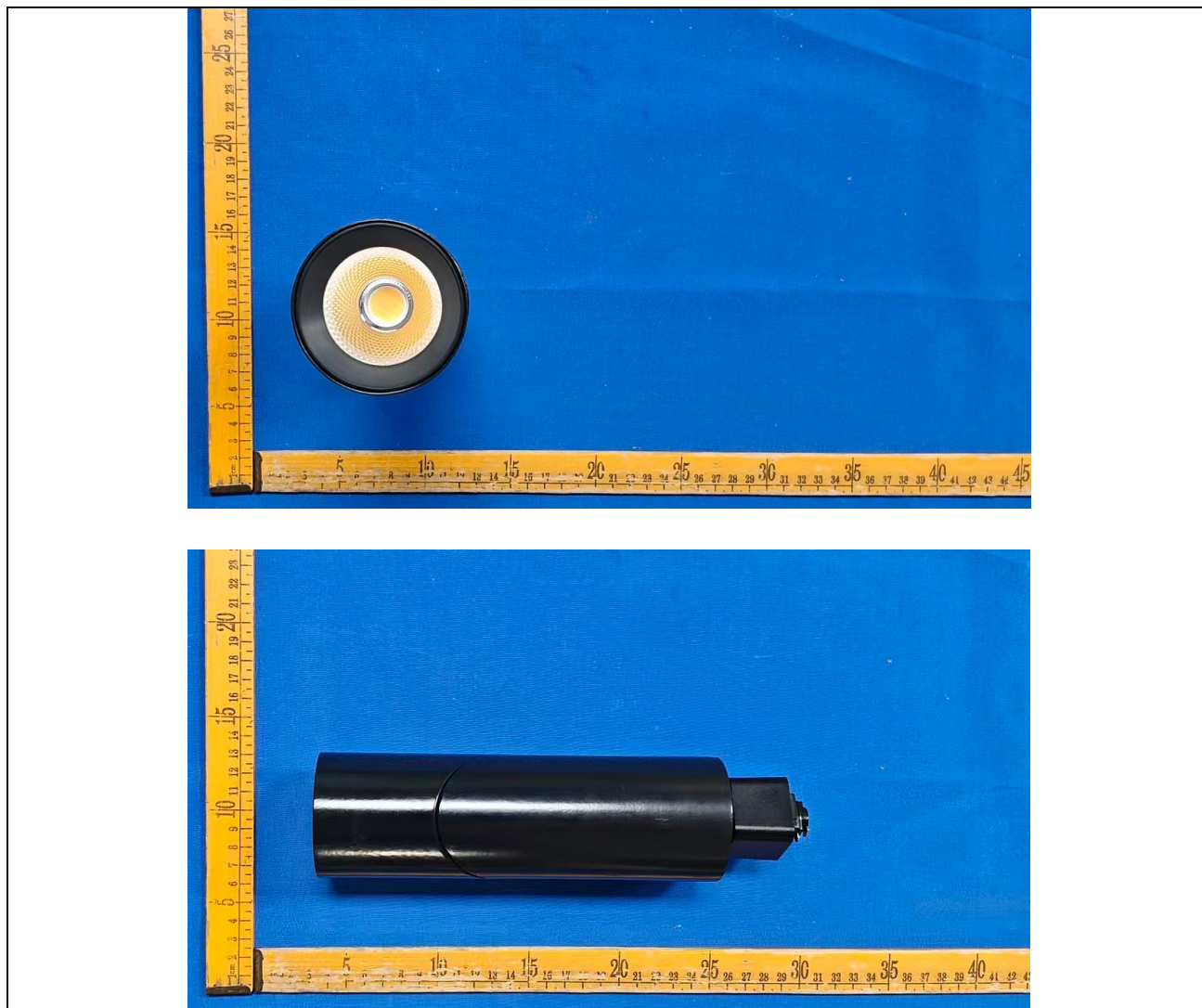
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3. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the U.S. Government.

3.0 Product Description

Luminaire Description: Model No. PIVOTM24DB @6W4000K, 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 @6W4000K	Sample ID	250903023-S1
Operate time (Min.)	10	Stabilization time (Min.)	60
Temperature (°C)	25.4	Humidity (%RH)	41.0

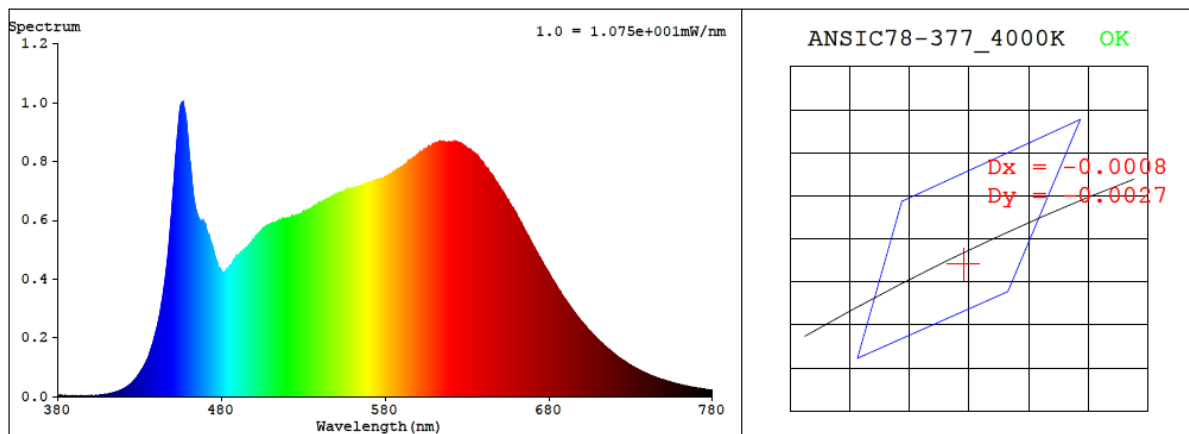
Test Method
<p>The Samples were tested according to the ANSI/IES LM-79:2019.</p> <p>Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at 25±1°C.</p> <p>The sample measurements were made 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	0.051	5.8	0.945

CCT (K)	CRI	R9	Duv	SDCM	Rf	Rg	IES Rcs,h1
3929	95.0	81	-0.0010	2.4	90	97	-3%

4.1 Integrating Sphere Test



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3829$ $y = 0.3761$ / $u' = 0.2270$ $v' = 0.5016$ ($duv = -1.03e-03$)

CCT= 3929K Prcp WL: $L_d = 579.9\text{nm}$ Purity=27.8%

Peak WL: $L_p = 457\text{nm}$ FWHM: $\approx 27.4\text{nm}$ Ratio: R=20.7% G=74.4% B=4.9%

Render Index: $R_a = 95.0$ AvgR = 93.7 TM30:Rf=92 Rg=98

EEL: 0.00000 A++ Highest

R1 =98 R2 =98 R3 =97 R4 =94 R5 =96 R6 =95 R7 =92

R8 =90 R9 =81 R10=98 R11=97 R12=76 R13=99 R14=99 R15=95

4.1 Integrating Sphere Test

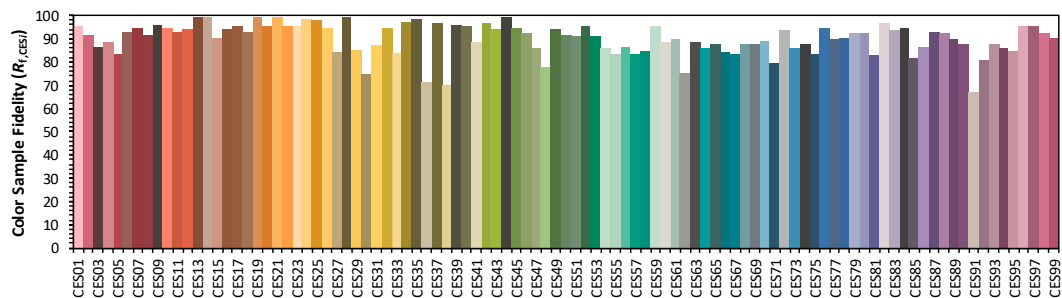
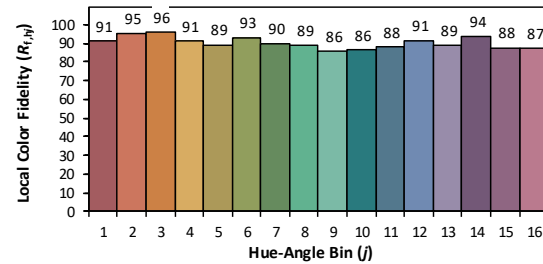
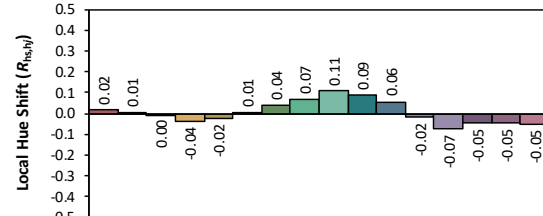
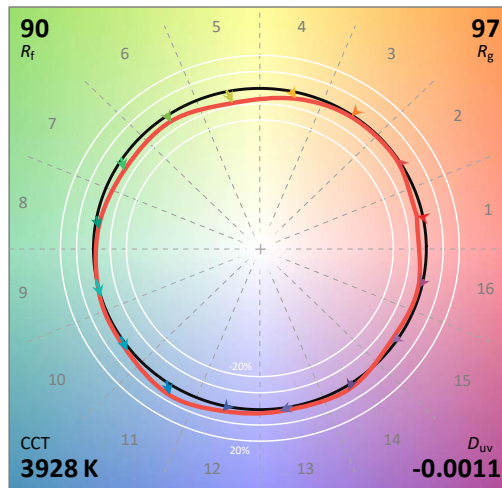
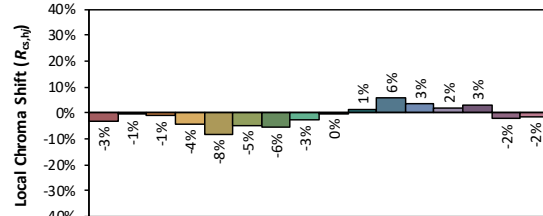
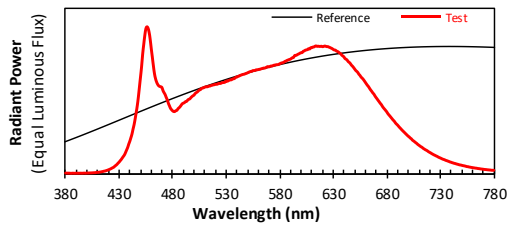
ANSI/IES TM-30-18 Color Rendition Report

Source: 1 CIE F1

Manufacturer: RAB Lighting Inc.

Date: 2025/9/19

Model: PIVOTM24DB @6W4000K



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

x 0.3829
 y 0.3760
 u' 0.2270
 v' 0.5016

CIE 13.3-1995
(CRI)

R_a 95
 R_9 81

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	3.60E-06	447	4.64E-04	514	5.95E-04	581	7.50E-04	648	7.31E-04	715	1.68E-04
381	3.50E-06	448	5.22E-04	515	5.96E-04	582	7.53E-04	649	7.22E-04	716	1.63E-04
382	3.30E-06	449	5.91E-04	516	5.99E-04	583	7.55E-04	650	7.12E-04	717	1.59E-04
383	3.10E-06	450	6.59E-04	517	6.01E-04	584	7.58E-04	651	7.02E-04	718	1.55E-04
384	2.90E-06	451	7.28E-04	518	6.04E-04	585	7.63E-04	652	6.95E-04	719	1.49E-04
385	2.00E-06	452	8.13E-04	519	6.05E-04	586	7.66E-04	653	6.88E-04	720	1.45E-04
386	2.70E-06	453	8.79E-04	520	6.07E-04	587	7.70E-04	654	6.76E-04	721	1.41E-04
387	3.00E-06	454	9.40E-04	521	6.07E-04	588	7.73E-04	655	6.68E-04	722	1.36E-04
388	2.40E-06	455	9.86E-04	522	6.09E-04	589	7.76E-04	656	6.57E-04	723	1.32E-04
389	2.80E-06	456	9.99E-04	523	6.13E-04	590	7.78E-04	657	6.50E-04	724	1.28E-04
390	2.70E-06	457	9.89E-04	524	6.13E-04	591	7.84E-04	658	6.42E-04	725	1.25E-04
391	2.60E-06	458	9.62E-04	525	6.14E-04	592	7.88E-04	659	6.32E-04	726	1.21E-04
392	2.90E-06	459	9.14E-04	526	6.18E-04	593	7.90E-04	660	6.21E-04	727	1.18E-04
393	2.70E-06	460	8.52E-04	527	6.19E-04	594	8.03E-04	661	6.10E-04	728	1.13E-04
394	3.20E-06	461	7.94E-04	528	6.20E-04	595	8.04E-04	662	6.00E-04	729	1.10E-04
395	2.70E-06	462	7.34E-04	529	6.22E-04	596	8.07E-04	663	5.91E-04	730	1.07E-04
396	2.90E-06	463	6.81E-04	530	6.30E-04	597	8.11E-04	664	5.80E-04	731	1.03E-04
397	3.60E-06	464	6.46E-04	531	6.28E-04	598	8.14E-04	665	5.69E-04	732	9.95E-05
398	3.40E-06	465	6.23E-04	532	6.31E-04	599	8.19E-04	666	5.60E-04	733	9.67E-05
399	3.10E-06	466	6.07E-04	533	6.36E-04	600	8.22E-04	667	5.49E-04	734	9.45E-05
400	3.80E-06	467	5.97E-04	534	6.37E-04	601	8.23E-04	668	5.41E-04	735	9.07E-05
401	4.10E-06	468	5.93E-04	535	6.38E-04	602	8.32E-04	669	5.29E-04	736	8.85E-05
402	4.40E-06	469	5.90E-04	536	6.44E-04	603	8.34E-04	670	5.18E-04	737	8.56E-05
403	4.70E-06	470	5.86E-04	537	6.45E-04	604	8.40E-04	671	5.08E-04	738	8.31E-05
404	4.90E-06	471	5.64E-04	538	6.48E-04	605	8.41E-04	672	4.98E-04	739	7.97E-05
405	5.40E-06	472	5.50E-04	539	6.55E-04	606	8.44E-04	673	4.88E-04	740	7.76E-05
406	5.90E-06	473	5.37E-04	540	6.57E-04	607	8.50E-04	674	4.78E-04	741	7.48E-05
407	6.40E-06	474	5.18E-04	541	6.61E-04	608	8.47E-04	675	4.69E-04	742	7.27E-05
408	6.90E-06	475	5.02E-04	542	6.64E-04	609	8.56E-04	676	4.57E-04	743	7.02E-05
409	8.40E-06	476	4.79E-04	543	6.67E-04	610	8.56E-04	677	4.47E-04	744	6.86E-05
410	8.40E-06	477	4.61E-04	544	6.70E-04	611	8.61E-04	678	4.39E-04	745	6.61E-05
411	9.60E-06	478	4.44E-04	545	6.73E-04	612	8.61E-04	679	4.30E-04	746	6.40E-05
412	1.04E-05	479	4.35E-04	546	6.75E-04	613	8.66E-04	680	4.20E-04	747	6.21E-05
413	1.18E-05	480	4.27E-04	547	6.77E-04	614	8.68E-04	681	4.09E-04	748	5.97E-05
414	1.34E-05	481	4.22E-04	548	6.80E-04	615	8.65E-04	682	4.00E-04	749	5.87E-05
415	1.49E-05	482	4.22E-04	549	6.82E-04	616	8.66E-04	683	3.91E-04	750	5.69E-05
416	1.68E-05	483	4.28E-04	550	6.86E-04	617	8.65E-04	684	3.82E-04	751	5.49E-05
417	1.82E-05	484	4.31E-04	551	6.89E-04	618	8.65E-04	685	3.73E-04	752	5.35E-05
418	2.07E-05	485	4.41E-04	552	6.92E-04	619	8.66E-04	686	3.64E-04	753	5.19E-05
419	2.30E-05	486	4.48E-04	553	6.95E-04	620	8.63E-04	687	3.57E-04	754	5.00E-05
420	2.60E-05	487	4.56E-04	554	6.96E-04	621	8.65E-04	688	3.46E-04	755	4.78E-05
421	2.89E-05	488	4.66E-04	555	7.01E-04	622	8.67E-04	689	3.38E-04	756	4.71E-05
422	3.23E-05	489	4.75E-04	556	7.01E-04	623	8.66E-04	690	3.31E-04	757	4.50E-05
423	3.61E-05	490	4.79E-04	557	7.02E-04	624	8.64E-04	691	3.23E-04	758	4.39E-05
424	4.03E-05	491	4.83E-04	558	7.06E-04	625	8.64E-04	692	3.14E-04	759	4.23E-05
425	4.40E-05	492	4.90E-04	559	7.06E-04	626	8.60E-04	693	3.07E-04	760	4.12E-05
426	5.08E-05	493	4.91E-04	560	7.08E-04	627	8.57E-04	694	2.99E-04	761	3.98E-05
427	5.66E-05	494	5.00E-04	561	7.09E-04	628	8.54E-04	695	2.91E-04	762	3.87E-05
428	6.29E-05	495	5.05E-04	562	7.11E-04	629	8.50E-04	696	2.84E-04	763	3.74E-05
429	7.13E-05	496	5.08E-04	563	7.13E-04	630	8.45E-04	697	2.77E-04	764	3.68E-05
430	7.84E-05	497	5.16E-04	564	7.15E-04	631	8.41E-04	698	2.69E-04	765	3.49E-05
431	8.77E-05	498	5.24E-04	565	7.18E-04	632	8.40E-04	699	2.62E-04	766	3.43E-05
432	9.63E-05	499	5.30E-04	566	7.18E-04	633	8.34E-04	700	2.55E-04	767	3.31E-05
433	1.07E-04	500	5.34E-04	567	7.21E-04	634	8.31E-04	701	2.50E-04	768	3.18E-05
434	1.17E-04	501	5.44E-04	568	7.25E-04	635	8.26E-04	702	2.42E-04	769	3.08E-05
435	1.28E-04	502	5.50E-04	569	7.28E-04	636	8.20E-04	703	2.37E-04	770	3.00E-05
436	1.44E-04	503	5.55E-04	570	7.26E-04	637	8.15E-04	704	2.28E-04	771	2.87E-05
437	1.61E-04	504	5.62E-04	571	7.29E-04	638	8.06E-04	705	2.23E-04	772	2.80E-05
438	1.78E-04	505	5.69E-04	572	7.32E-04	639	8.00E-04	706	2.17E-04	773	2.73E-05
439	2.01E-04	506	5.71E-04	573	7.32E-04	640	7.94E-04	707	2.11E-04	774	2.63E-05
440	2.20E-04	507	5.79E-04	574	7.35E-04	641	7.83E-04	708	2.06E-04	775	2.56E-05
441	2.44E-04	508	5.82E-04	575	7.38E-04	642	7.78E-04	709	1.99E-04	776	2.48E-05
442	2.69E-04	509	5.84E-04	576	7.39E-04	643	7.72E-04	710	1.94E-04	777	2.42E-05
443	3.03E-04	510	5.88E-04	577	7.41E-04	644	7.62E-04	711	1.88E-04	778	2.29E-05
444	3.34E-04	511	5.91E-04	578	7.41E-04	645	7.56E-04	712	1.83E-04	779	2.28E-05
445	3.74E-04	512	5.90E-04	579	7.43E-04	646	7.49E-04	713	1.79E-04	780	2.28E-05
446	4.18E-04	513	5.92E-04	580	7.47E-04	647	7.38E-04	714	1.72E-04	N/A	N/A

4.0 LM-79 Measurement and Test Results

4.2 Goniophotometer Test

Model No.	PIVOTM24DB @6W4000K	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	0.051	5.8	0.945
NON-WORST CASE	N/A	N/A	N/A	N/A	N/A

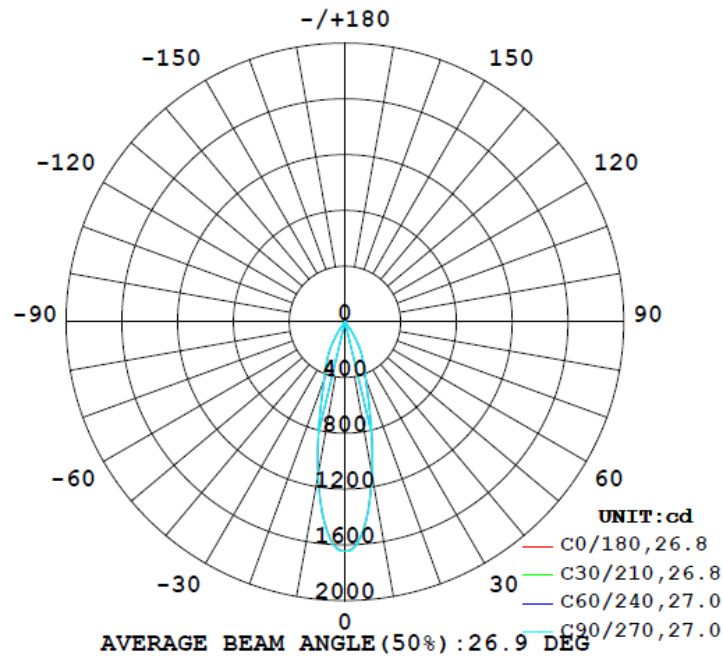
Test Result

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°)
533	62.2	62.9	26.8	27.1	91.9	100.0%

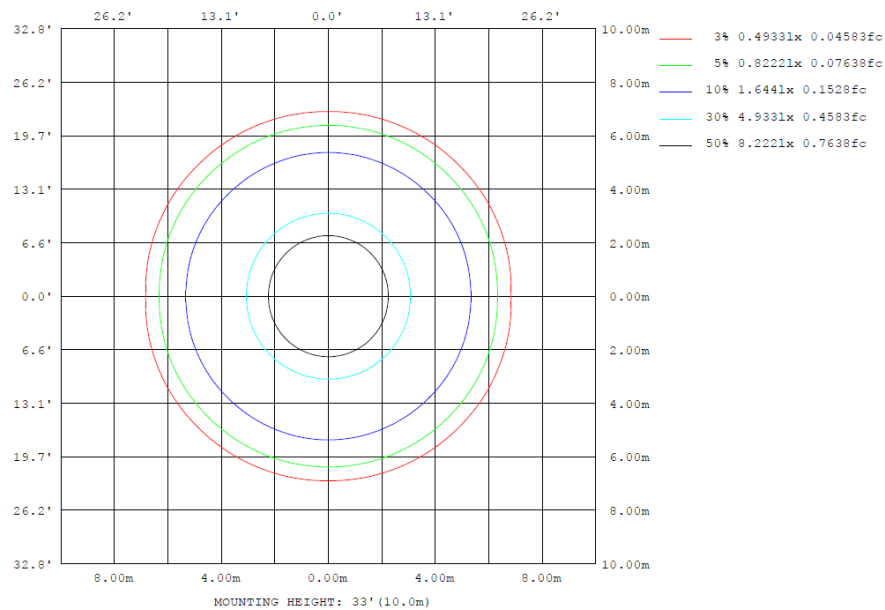
4.2 Goniophotometer Test

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	1112	1118	1123	1118	1112	1118	1123	1118	0- 10	130.8	130.8	24.6, 24.6
20	430.8	440.2	439.4	440.2	430.8	440.2	439.4	440.2	10- 20	196.3	327.1	61.4, 61.4
30	193.5	197.0	200.9	197.0	193.5	197.0	200.9	197.0	20- 30	140.8	467.9	87.8, 87.8
40	13.43	14.10	13.81	14.10	13.43	14.10	13.81	14.10	30- 40	52.24	520.2	97.6, 97.6
50	6.240	6.348	6.277	6.348	6.240	6.348	6.277	6.348	40- 50	6.588	526.7	98.9, 98.9
60	2.902	3.063	3.104	3.063	2.902	3.063	3.104	3.063	50- 60	4.382	531.1	99.7, 99.7
70	0.4930	0.5584	0.5567	0.5584	0.4930	0.5584	0.5567	0.5584	60- 70	1.516	532.6	100, 100
80	0.0158	0.0154	0.0158	0.0154	0.0158	0.0154	0.0158	0.0154	70- 80	0.1020	532.7	100, 100
90	0	0	0	0	0	0	0	0	80- 90	0.0091	532.8	100, 100
100	0	0	0	0	0	0	0	0	90-100	0	532.8	100, 100
110	0	0	0	0	0	0	0	0	100-110	0	532.8	100, 100
120	0	0	0	0	0	0	0	0	110-120	0	532.8	100, 100
130	0	0	0	0	0	0	0	0	120-130	0	532.8	100, 100
140	0	0	0	0	0	0	0	0	130-140	0	532.8	100, 100
150	0	0	0	0	0	0	0	0	140-150	0	532.8	100, 100
160	0	0	0	0	0	0	0	0	150-160	0	532.8	100, 100
170	0	0	0	0	0	0	0	0	160-170	0	532.8	100, 100
180	0	0	0	0	0	0	0	0	170-180	0	532.8	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Zonal (lm)		Total (lm)		Percent
0-10	130.79	0-10	130.79	24.55%
10-20	196.32	0-20	327.11	61.40%
20-30	140.81	0-30	467.92	87.83%
30-40	52.24	0-40	520.16	97.63%
40-50	6.59	0-50	526.75	98.87%
50-60	4.38	0-60	531.13	99.69%
60-70	1.52	0-70	532.65	99.98%
70-80	0.10	0-80	532.75	100.00%
80-90	0.01	0-90	532.76	100.00%
90-100	0.00	0-100	532.76	100.00%
100-110	0.00	0-110	532.76	100.00%
110-120	0.00	0-120	532.76	100.00%
120-130	0.00	0-130	532.76	100.00%
130-140	0.00	0-140	532.76	100.00%
140-150	0.00	0-150	532.76	100.00%
150-160	0.00	0-160	532.76	100.00%
160-170	0.00	0-170	532.76	100.00%
170-180	0.00	0-180	532.76	100.00%

4.2 Goniophotometer Test

Luminous Distribution Intensity Data

Table--1

UNIT: cd

C (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1644	1644	1645	1645	1645	1645	1645	1645	1645	1645	1645	1645	1644	1644	1645	1645	1645	1645	1645
5	1496	1500	1501	1504	1504	1505	1504	1505	1504	1504	1501	1500	1496	1500	1501	1504	1504	1505	1504
10	1112	1113	1116	1118	1120	1122	1123	1122	1120	1118	1116	1113	1112	1113	1116	1118	1120	1122	1123
15	697	699	700	703	706	709	709	706	703	700	699	697	699	700	703	706	709	709	709
20	431	436	439	440	441	441	439	441	441	440	439	436	431	436	439	440	441	441	439
25	304	307	309	309	309	309	309	309	309	309	309	307	304	307	309	309	309	309	309
30	193	196	197	197	198	200	201	200	198	197	197	196	193	196	197	197	198	200	201
35	74.1	79.1	81.7	81.8	82.1	81.6	80.1	81.6	82.1	81.8	81.7	79.1	74.1	79.1	81.7	81.8	82.1	81.6	80.1
40	13.4	14.0	14.3	14.1	14.0	13.9	13.8	13.9	14.0	14.1	14.3	14.0	13.4	14.0	14.3	14.1	14.0	13.9	13.8
45	7.75	8.01	8.06	7.87	7.82	7.81	7.76	7.81	7.82	7.87	8.06	8.01	7.75	8.01	8.06	7.87	7.82	7.81	7.76
50	6.24	6.45	6.48	6.35	6.27	6.30	6.28	6.30	6.27	6.35	6.48	6.45	6.24	6.45	6.48	6.35	6.27	6.30	6.28
55	4.89	5.04	5.07	5.01	5.02	5.03	5.03	5.03	5.02	5.01	5.07	5.04	4.89	5.04	5.07	5.01	5.02	5.03	5.03
60	2.90	3.00	3.06	3.06	3.10	3.12	3.10	3.12	3.10	3.06	3.06	3.00	2.90	3.00	3.06	3.06	3.10	3.12	3.10
65	1.27	1.36	1.41	1.42	1.44	1.45	1.39	1.45	1.44	1.42	1.41	1.36	1.27	1.36	1.41	1.42	1.44	1.45	1.39
70	0.49	0.54	0.56	0.56	0.53	0.54	0.56	0.54	0.53	0.56	0.56	0.54	0.49	0.54	0.56	0.56	0.53	0.54	0.56
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)	285	300	315	330	345														
0	1645	1645	1645	1645	1644														
5	1505	1504	1504	1501	1500														
10	1122	1120	1118	1116	1113														
15	709	706	703	700	699														
20	441	441	440	439	436														
25	309	309	309	309	307														
30	200	198	197	197	196														
35	81.6	82.1	81.8	81.7	79.1														
40	13.9	14.0	14.1	14.3	14.0														
45	7.81	7.82	7.87	8.06	8.01														
50	6.30	6.27	6.35	6.48	6.45														
55	5.03	5.02	5.01	5.07	5.04														
60	3.12	3.10	3.06	3.06	3.00														
65	1.45	1.44	1.42	1.41	1.36														
70	0.54	0.53	0.56	0.56	0.54														
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 @6W4000K	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	0.051	5.8	0.945	14.17

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*****