

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		1002
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Standard	Premium	99.2
			95	110	
Power (Input Wattage) (W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Case		10.1
Total Harmonic Distortion (A%) (THD & PF – Section 4.3)		ANSI C82.77:2002 ANSI C82-77-10:2020	20.00%	120V	13.32
Power Factor (THD & PF – Section 4.3)		ANSI C82.77:2002 ANSI C82-77-10:2020	0.9	120V	0.946
Allowable CCTs* (K) (Integrating Sphere – Section 4.1)		ANSI/IES LM-79:2019	7 steps	3985±275	3891
			4 steps	3985±154	
Minimum CRI (Integrating Sphere – Section 4.1)		ANSI/IES LM-79:2019 CIE13.3-1995	≥80		96.4
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		92
Minimum Rg (Integrating Sphere – Section 4.1)		ANSI/IES TM-30-18	≥89		98
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		0.089
(Goniophotometer – Section 4.2)			Non-Worst Case		N/A
Power (Input Wattage – W)					
(Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Case		10.1
(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	2025-09-17	PIVOTL24DB @10W4000K	-	250903022-S1
2	Goniophotometer Test	2025-09-17	PIVOTL24DB @10W4000K	-	250903022-S1
3	THD and PF Test	2025-09-17	PIVOTL24DB @10W4000K	-	250903022-S1

Remark (If any):

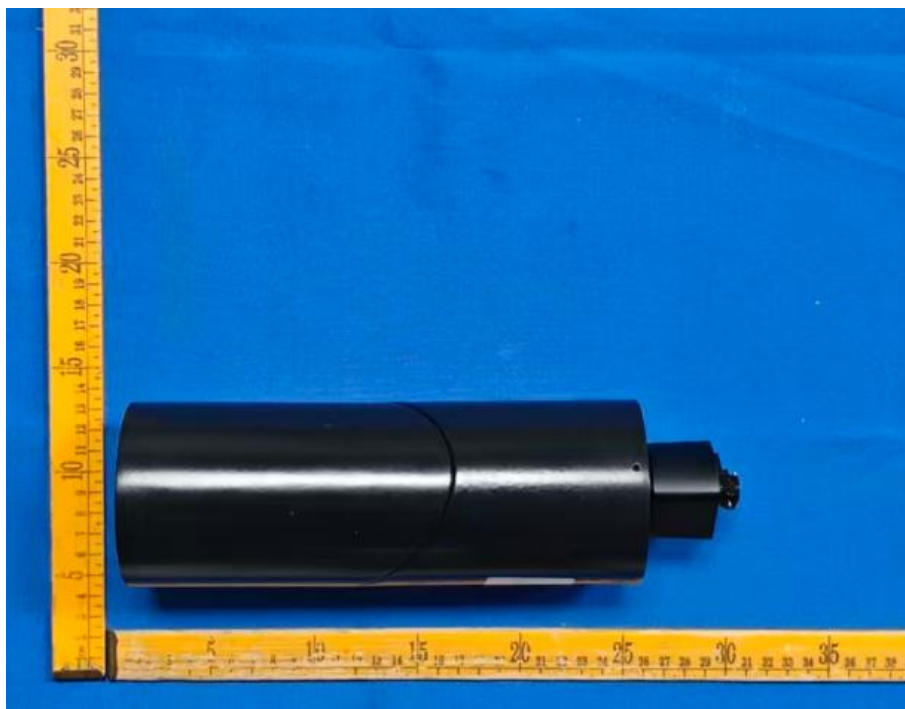
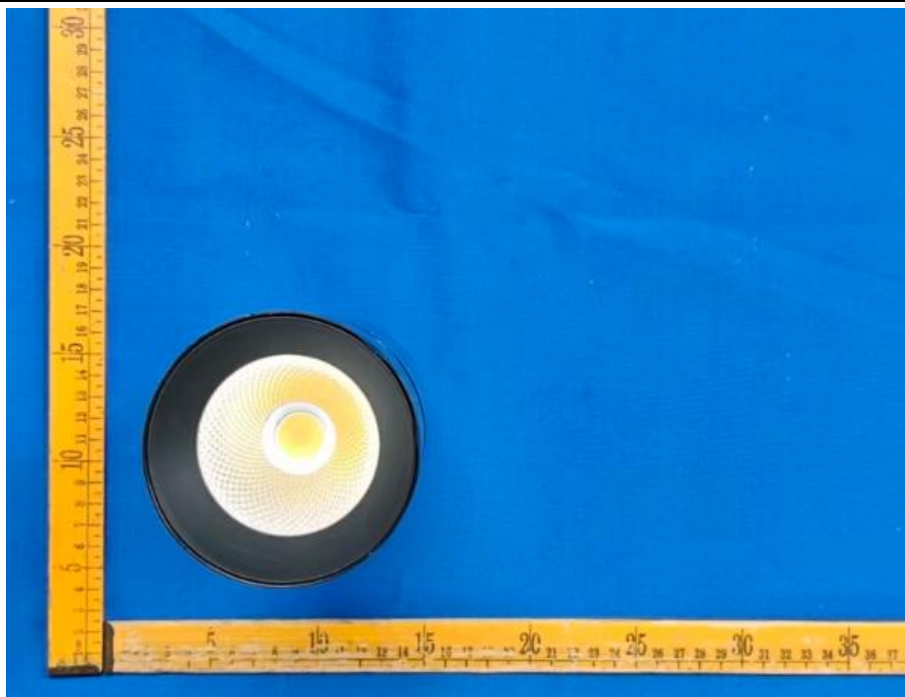
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3.0 Product Description

Luminaire Description: Model No. PIVOTL24DB @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.	PIVOTL24DB @10W4000K	Sample ID	250903022-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.

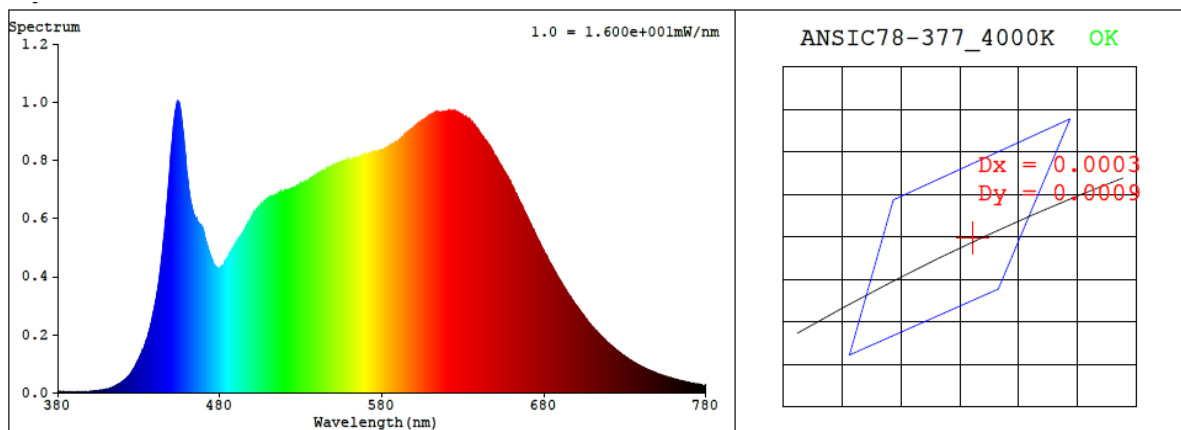
The sample was measured using 4π geometry and operated at rated voltage and was stabilized before measurement. Chromaticity coordinates, correlated color temperature and color rendering index were calculated from the spectral radiant flux measurements taken at 1 nm intervals over the range of 380 to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

Test Result

Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
120.0	60	0.089	10.1	0.946

CCT (K)	CRI	R9	Duv	SDCM	Rf	Rg	IES Rcs,h1
3891	96.4	80	0.0004	2.4	92	98	-3%

4.1 Integrating Sphere Test



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3856$ $y = 0.3807$ / $u' = 0.2269$ $v' = 0.5041$ ($duv=3.50e-04$)

CCT= 3891K Prop WL: $L_d=579.3nm$ Purity=30.0%

Peak WL: $L_p=454nm$ FWHM: $=27.8nm$ Ratio:R=20.6% G=74.8% B=4.5%

Render Index: $R_a = 96.4$ AvgR = 94.5 TM30:Rf=93 Rg=99

EEL: 0.13984 A+

R1 =97 R2 =100 R3 =99 R4 =96 R5 =96 R6 =97 R7 =95

R8 =91 R9 =80 R10=98 R11=98 R12=78 R13=99 R14=99 R15=95

4.1 Integrating Sphere Test

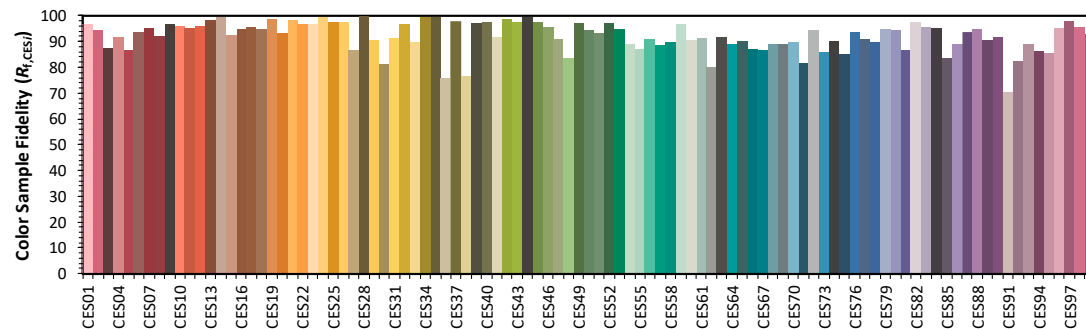
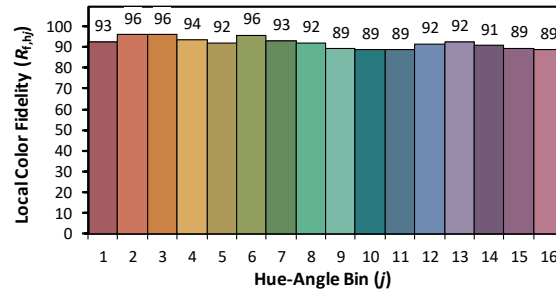
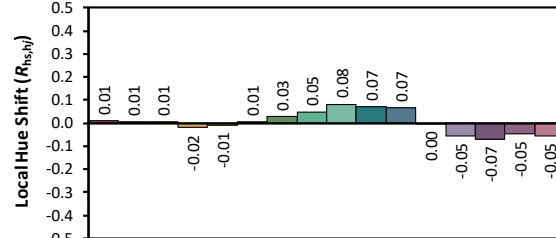
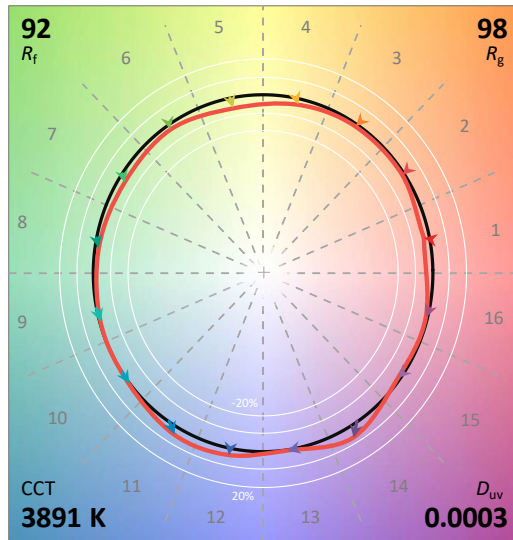
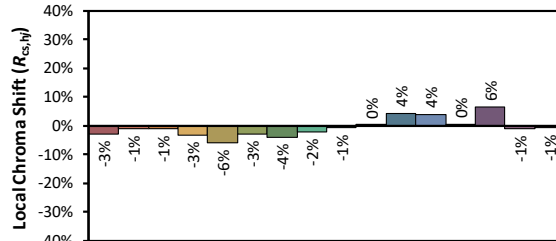
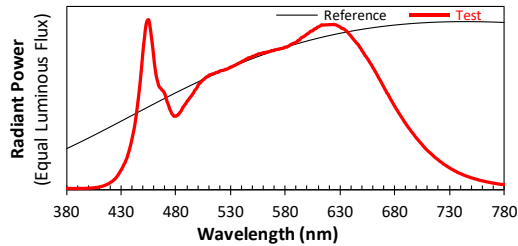
ANSI/IES TM-30-18 Color Rendition Report

Source: 1 CIE F1

Manufacturer: RAB Lighting Inc.

Date: 2025/9/19

Model: PIVOTL24DB @10W4000K



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

x 0.3856
 y 0.3806
 u' 0.2270
 v' 0.5040

CIE 13.3-1995
(CRI)
 R_a 96
 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	4.60E-06	447	6.24E-04	514	6.77E-04	581	8.35E-04	648	8.34E-04	715	1.97E-04
381	3.60E-06	448	6.91E-04	515	6.81E-04	582	8.39E-04	649	8.27E-04	716	1.91E-04
382	3.40E-06	449	7.62E-04	516	6.84E-04	583	8.42E-04	650	8.14E-04	717	1.85E-04
383	3.80E-06	450	8.34E-04	517	6.87E-04	584	8.47E-04	651	8.06E-04	718	1.81E-04
384	4.20E-06	451	8.89E-04	518	6.86E-04	585	8.51E-04	652	7.95E-04	719	1.76E-04
385	3.40E-06	452	9.47E-04	519	6.91E-04	586	8.54E-04	653	7.85E-04	720	1.71E-04
386	2.30E-06	453	9.82E-04	520	6.94E-04	587	8.56E-04	654	7.77E-04	721	1.65E-04
387	3.70E-06	454	9.95E-04	521	6.97E-04	588	8.60E-04	655	7.67E-04	722	1.60E-04
388	3.20E-06	455	9.95E-04	522	6.98E-04	589	8.62E-04	656	7.58E-04	723	1.56E-04
389	3.10E-06	456	9.61E-04	523	6.99E-04	590	8.64E-04	657	7.47E-04	724	1.50E-04
390	2.90E-06	457	9.13E-04	524	7.01E-04	591	8.71E-04	658	7.37E-04	725	1.46E-04
391	3.30E-06	458	8.63E-04	525	7.05E-04	592	8.76E-04	659	7.28E-04	726	1.42E-04
392	4.40E-06	459	8.09E-04	526	7.06E-04	593	8.77E-04	660	7.15E-04	727	1.38E-04
393	3.80E-06	460	7.47E-04	527	7.07E-04	594	8.88E-04	661	7.06E-04	728	1.33E-04
394	3.30E-06	461	6.98E-04	528	7.12E-04	595	8.92E-04	662	6.93E-04	729	1.29E-04
395	4.10E-06	462	6.60E-04	529	7.14E-04	596	8.95E-04	663	6.83E-04	730	1.25E-04
396	3.70E-06	463	6.35E-04	530	7.20E-04	597	9.00E-04	664	6.71E-04	731	1.21E-04
397	4.10E-06	464	6.10E-04	531	7.19E-04	598	9.02E-04	665	6.58E-04	732	1.17E-04
398	4.90E-06	465	5.98E-04	532	7.23E-04	599	9.09E-04	666	6.47E-04	733	1.14E-04
399	4.90E-06	466	5.92E-04	533	7.27E-04	600	9.13E-04	667	6.37E-04	734	1.11E-04
400	5.40E-06	467	5.84E-04	534	7.28E-04	601	9.16E-04	668	6.24E-04	735	1.06E-04
401	5.50E-06	468	5.77E-04	535	7.33E-04	602	9.23E-04	669	6.12E-04	736	1.04E-04
402	6.10E-06	469	5.69E-04	536	7.36E-04	603	9.28E-04	670	6.00E-04	737	9.98E-05
403	6.30E-06	470	5.53E-04	537	7.40E-04	604	9.30E-04	671	5.87E-04	738	9.70E-05
404	7.20E-06	471	5.29E-04	538	7.43E-04	605	9.32E-04	672	5.77E-04	739	9.37E-05
405	7.50E-06	472	5.10E-04	539	7.45E-04	606	9.40E-04	673	5.64E-04	740	9.11E-05
406	8.80E-06	473	4.94E-04	540	7.51E-04	607	9.43E-04	674	5.57E-04	741	8.85E-05
407	9.50E-06	474	4.74E-04	541	7.54E-04	608	9.44E-04	675	5.43E-04	742	8.57E-05
408	1.03E-05	475	4.60E-04	542	7.55E-04	609	9.52E-04	676	5.31E-04	743	8.26E-05
409	1.11E-05	476	4.45E-04	543	7.61E-04	610	9.54E-04	677	5.20E-04	744	8.00E-05
410	1.29E-05	477	4.37E-04	544	7.65E-04	611	9.58E-04	678	5.09E-04	745	7.76E-05
411	1.39E-05	478	4.29E-04	545	7.65E-04	612	9.61E-04	679	4.97E-04	746	7.51E-05
412	1.60E-05	479	4.29E-04	546	7.73E-04	613	9.66E-04	680	4.87E-04	747	7.32E-05
413	1.73E-05	480	4.29E-04	547	7.72E-04	614	9.66E-04	681	4.76E-04	748	7.11E-05
414	2.02E-05	481	4.35E-04	548	7.75E-04	615	9.66E-04	682	4.66E-04	749	6.88E-05
415	2.23E-05	482	4.37E-04	549	7.76E-04	616	9.66E-04	683	4.55E-04	750	6.60E-05
416	2.52E-05	483	4.49E-04	550	7.82E-04	617	9.66E-04	684	4.45E-04	751	6.46E-05
417	2.82E-05	484	4.54E-04	551	7.82E-04	618	9.67E-04	685	4.35E-04	752	6.21E-05
418	3.07E-05	485	4.65E-04	552	7.85E-04	619	9.67E-04	686	4.25E-04	753	6.09E-05
419	3.49E-05	486	4.79E-04	553	7.90E-04	620	9.68E-04	687	4.15E-04	754	5.91E-05
420	3.94E-05	487	4.88E-04	554	7.90E-04	621	9.68E-04	688	4.05E-04	755	5.69E-05
421	4.30E-05	488	4.97E-04	555	7.95E-04	622	9.68E-04	689	3.95E-04	756	5.51E-05
422	4.80E-05	489	5.05E-04	556	7.96E-04	623	9.69E-04	690	3.85E-04	757	5.37E-05
423	5.34E-05	490	5.16E-04	557	7.98E-04	624	9.69E-04	691	3.76E-04	758	5.15E-05
424	5.98E-05	491	5.24E-04	558	7.98E-04	625	9.67E-04	692	3.67E-04	759	4.98E-05
425	6.62E-05	492	5.33E-04	559	8.01E-04	626	9.67E-04	693	3.58E-04	760	4.84E-05
426	7.54E-05	493	5.41E-04	560	8.03E-04	627	9.64E-04	694	3.50E-04	761	4.75E-05
427	8.39E-05	494	5.49E-04	561	8.00E-04	628	9.60E-04	695	3.40E-04	762	4.54E-05
428	9.45E-05	495	5.58E-04	562	8.04E-04	629	9.57E-04	696	3.33E-04	763	4.41E-05
429	1.06E-04	496	5.68E-04	563	8.07E-04	630	9.54E-04	697	3.24E-04	764	4.26E-05
430	1.16E-04	497	5.80E-04	564	8.08E-04	631	9.47E-04	698	3.16E-04	765	4.16E-05
431	1.28E-04	498	5.87E-04	565	8.09E-04	632	9.47E-04	699	3.07E-04	766	4.01E-05
432	1.42E-04	499	5.96E-04	566	8.10E-04	633	9.43E-04	700	2.98E-04	767	3.87E-05
433	1.52E-04	500	6.09E-04	567	8.14E-04	634	9.41E-04	701	2.92E-04	768	3.75E-05
434	1.68E-04	501	6.21E-04	568	8.15E-04	635	9.34E-04	702	2.84E-04	769	3.64E-05
435	1.83E-04	502	6.24E-04	569	8.14E-04	636	9.30E-04	703	2.77E-04	770	3.50E-05
436	2.05E-04	503	6.32E-04	570	8.19E-04	637	9.21E-04	704	2.69E-04	771	3.41E-05
437	2.27E-04	504	6.40E-04	571	8.20E-04	638	9.14E-04	705	2.62E-04	772	3.30E-05
438	2.50E-04	505	6.43E-04	572	8.22E-04	639	9.07E-04	706	2.54E-04	773	3.18E-05
439	2.77E-04	506	6.50E-04	573	8.23E-04	640	9.00E-04	707	2.47E-04	774	3.11E-05
440	3.07E-04	507	6.56E-04	574	8.23E-04	641	8.91E-04	708	2.39E-04	775	2.96E-05
441	3.37E-04	508	6.61E-04	575	8.27E-04	642	8.84E-04	709	2.32E-04	776	2.92E-05
442	3.71E-04	509	6.62E-04	576	8.26E-04	643	8.75E-04	710	2.27E-04	777	2.77E-05
443	4.12E-04	510	6.70E-04	577	8.29E-04	644	8.68E-04	711	2.20E-04	778	2.74E-05
444	4.60E-04	511	6.73E-04	578	8.29E-04	645	8.60E-04	712	2.15E-04	779	2.74E-05
445	5.12E-04	512	6.74E-04	579	8.34E-04	646	8.54E-04	713	2.09E-04	780	2.75E-05
446	5.66E-04	513	6.77E-04	580	8.36E-04	647	8.46E-04	714	2.04E-04	N/A	N/A

4.0 LM-79 Measurement and Test Results

4.2 Goniophotometer Test

Model No.	PIVOTL24DB @10W4000K	Sample ID	250903022-S1
Operate time (Min.)	30	Stabilization time (Min.)	60
Temperature (°C)	25.0	Humidity (%RH)	40.8

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	0.089	10.1	0.946
NON-WORST CASE	N/A	N/A	N/A	N/A	N/A

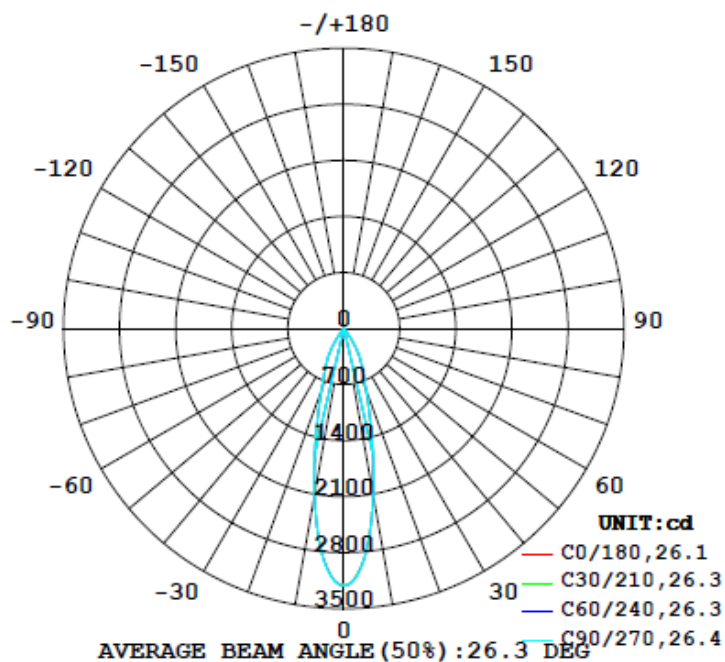
Test Result

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°)
1002	61.7	62.9	26.1	26.4	99.2	100.0%

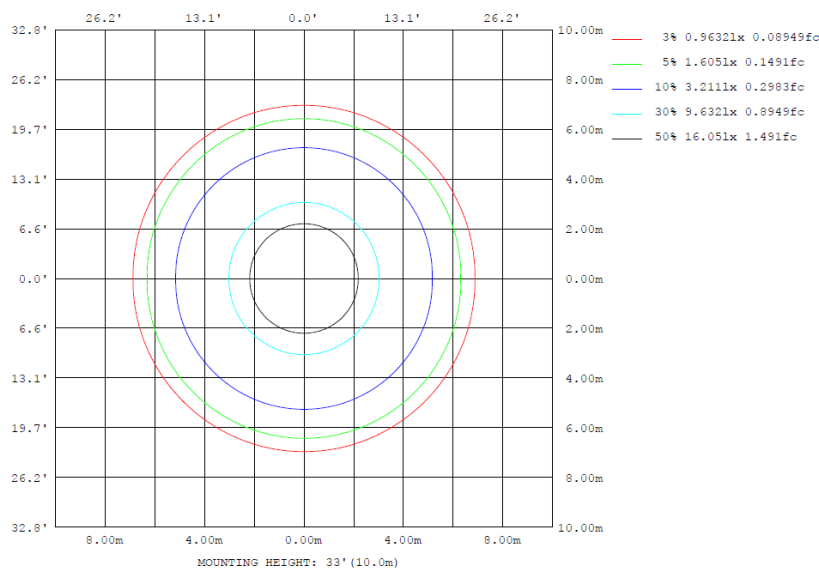
4.2 Goniophotometer Test

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	2111	2113	2119	2113	2111	2113	2119	2113	0- 10	250.7	250.7	25,25
20	795.3	811.2	833.4	811.2	795.3	811.2	833.4	811.2	10- 20	371.6	622.3	62.1,62.1
30	357.7	376.1	383.8	376.1	357.7	376.1	383.8	376.1	20- 30	255.5	877.8	87.6,87.6
40	26.12	26.22	25.09	26.22	26.12	26.22	25.09	26.22	30- 40	105.0	982.8	98.1,98.1
50	8.662	8.848	9.114	8.848	8.662	8.848	9.114	8.848	40- 50	10.81	993.6	99.2,99.2
60	3.823	4.018	4.245	4.018	3.823	4.018	4.245	4.018	50- 60	5.938	999.5	99.8,99.8
70	0.5297	0.5867	0.6928	0.5867	0.5297	0.5867	0.6928	0.5867	60- 70	1.917	1001	100,100
80	0.0222	0.0225	0.0229	0.0225	0.0222	0.0225	0.0229	0.0225	70- 80	0.1275	1002	100,100
90	0	0	0	0	0	0	0	0	80- 90	0.0126	1002	100,100
100	0	0	0	0	0	0	0	0	90-100	0	1002	100,100
110	0	0	0	0	0	0	0	0	100-110	0	1002	100,100
120	0	0	0	0	0	0	0	0	110-120	0	1002	100,100
130	0	0	0	0	0	0	0	0	120-130	0	1002	100,100
140	0	0	0	0	0	0	0	0	130-140	0	1002	100,100
150	0	0	0	0	0	0	0	0	140-150	0	1002	100,100
160	0	0	0	0	0	0	0	0	150-160	0	1002	100,100
170	0	0	0	0	0	0	0	0	160-170	0	1002	100,100
180	0	0	0	0	0	0	0	0	170-180	0	1002	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Zonal (lm)		Total (lm)		Percent
0-10	250.70	0-10	250.70	25.03%
10-20	371.59	0-20	622.29	62.13%
20-30	255.50	0-30	877.79	87.64%
30-40	104.99	0-40	982.78	98.12%
40-50	10.81	0-50	993.59	99.20%
50-60	5.94	0-60	999.53	99.79%
60-70	1.92	0-70	1001.45	99.99%
70-80	0.13	0-80	1001.58	100.00%
80-90	0.01	0-90	1001.59	100.00%
90-100	0.00	0-100	1001.59	100.00%
100-110	0.00	0-110	1001.59	100.00%
110-120	0.00	0-120	1001.59	100.00%
120-130	0.00	0-130	1001.59	100.00%
130-140	0.00	0-140	1001.59	100.00%
140-150	0.00	0-150	1001.59	100.00%
150-160	0.00	0-160	1001.59	100.00%
160-170	0.00	0-170	1001.59	100.00%
170-180	0.00	0-180	1001.59	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	3211	3213	3206	3212	3212	3214	3213	3214	3212	3212	3206	3213	3211	3213	3206	3212	3212	3214	3213
5	2891	2893	2894	2894	2897	2901	2903	2901	2897	2894	2894	2893	2891	2893	2894	2894	2897	2901	2903
10	2111	2111	2112	2113	2115	2118	2119	2118	2115	2113	2112	2111	2111	2111	2112	2113	2115	2118	2119
15	1323	1330	1333	1339	1344	1345	1349	1345	1344	1339	1333	1330	1323	1330	1333	1339	1344	1345	1349
20	795	801	807	811	816	832	833	832	816	811	807	801	795	801	807	811	816	832	833
25	542	547	551	554	554	557	557	557	554	554	551	547	542	547	551	554	554	557	557
30	358	363	370	376	380	384	384	384	380	376	370	363	358	363	370	376	380	384	384
35	152	156	159	162	165	167	168	167	165	162	159	156	152	156	159	162	165	167	168
40	26.1	26.4	26.2	26.2	25.7	25.0	25.1	25.0	25.7	26.2	26.2	26.4	26.1	26.4	26.2	26.2	25.7	25.0	25.1
45	11.7	11.7	11.9	12.0	12.1	12.2	12.4	12.2	12.1	12.0	11.9	11.7	11.7	11.7	11.9	12.0	12.1	12.2	12.4
50	8.66	8.70	8.79	8.85	8.94	9.02	9.11	9.02	8.94	8.85	8.79	8.70	8.66	8.70	8.79	8.85	8.94	9.02	9.11
55	6.53	6.61	6.73	6.85	6.93	7.01	7.12	7.01	6.93	6.85	6.73	6.61	6.53	6.61	6.73	6.85	6.93	7.01	7.12
60	3.82	3.89	3.93	4.02	4.10	4.15	4.25	4.15	4.10	4.02	3.93	3.89	3.82	3.89	3.93	4.02	4.10	4.15	4.25
65	1.65	1.70	1.74	1.75	1.81	1.87	1.92	1.87	1.81	1.75	1.74	1.70	1.65	1.70	1.74	1.75	1.81	1.87	1.92
70	0.53	0.52	0.55	0.59	0.61	0.65	0.69	0.65	0.61	0.59	0.55	0.52	0.53	0.52	0.55	0.59	0.61	0.65	0.69
75	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	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) y (DEG)	285	300	315	330	345														
0	3214	3212	3212	3206	3213														
5	2901	2897	2894	2894	2893														
10	2118	2115	2113	2112	2111														
15	1345	1344	1339	1333	1330														
20	832	816	811	807	801														
25	557	554	554	551	547														
30	384	380	376	370	363														
35	167	165	162	159	156														
40	25.0	25.7	26.2	26.2	26.4														
45	12.2	12.1	12.0	11.9	11.7														
50	9.02	8.94	8.85	8.79	8.70														
55	7.01	6.93	6.85	6.73	6.61														
60	4.15	4.10	4.02	3.93	3.89														
65	1.87	1.81	1.75	1.74	1.70														
70	0.65	0.61	0.59	0.55	0.52														
75	0.04	0.04	0.04	0.04	0.04														
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.	PIVOTL24DB @10W4000K	Sample ID	250903022-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	0.089	10.1	0.946	13.32

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*****