

Photometric Test Report

Relevant Standards

- ☒ ANSI/IES LM-79-19
- ☒ ANSI C82.77-2020

Prepared For

RAB Lighting Inc.

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Date: 2025-12-10

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Issue Date: 2025-12-10

Revised Date: N/A

1.0 Test Summary

DLC Technical Requirements V6.0

Track or Mono-Point Luminaires				
Requirement Category	Test Method	Requirements		Test Value
Luminaire Output (lm) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	≥250lm		805
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Standard	Premium	97.0
		95	110	
Power (Input Wattage) (W) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Worst Case		8.3
Total Harmonic Distortion (A%) (THD & PF – Section 4.3)	ANSI C82.77:2002 ANSI C82-77-10:2020	20.00%	120V	13.53
Power Factor (THD & PF – Section 4.3)	ANSI C82.77:2002 ANSI C82-77-10:2020	0.9	120V	0.961
Allowable CCTs* (K) (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19	7 steps	5029±283	5026
		4 steps	5029±220	
Chromaticity (D _{uv}) (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19	7 steps	0.0020±0.0060	0.0012
		4 steps	0.0020±0.0033	
Minimum CRI (Integrating Sphere – Section 4.1)	ANSI/IES LM-79 19 CIE13.3-1995	≥80		94.4
Minimum R9 (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19 CIE13.3-1995	≥0		74
Minimum Rf (Integrating Sphere – Section 4.1)	ANSI/IES TM-30-24	≥70		91
Minimum Rg (Integrating Sphere – Section 4.1)	ANSI/IES TM-30-24	≥89		97
IES Rcs,h1 (Integrating Sphere – Section 4.1)	ANSI/IES TM-30-24	-12%≤IES Rcs,h1≤+23%		-5%
Zonal Lumen Requirement (0°-90°) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	≥ 85%		100.0%
Input Voltage (V)				
(Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Worst Cast		120.0
(Goniophotometer – Section 4.2)		Non-Worst Case		N/A
Input Current (A)				
(Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Worst Case		0.072
(Goniophotometer – Section 4.2)		Non-Worst Case		N/A
Power (Input Wattage – W)				
(Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Worst Case		8.3
(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	2025-12-08	PIVOTSB @5000K	-	250903028-S1
2	Goniophotometer Test	2025-12-08	PIVOTSB @5000K	-	250903028-S1
3	THD and PF Test	2025-12-08	PIVOTSB @5000K	-	250903028-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. PIVOTSB @5000K, color tunable from 3000K, 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.	PIVOTSB @5000K	Sample ID	250903028-S1
Operate time (Min.)	10	Stabilization time (Min.)	60
Temperature (°C)	25.4	Humidity (%RH)	41.0

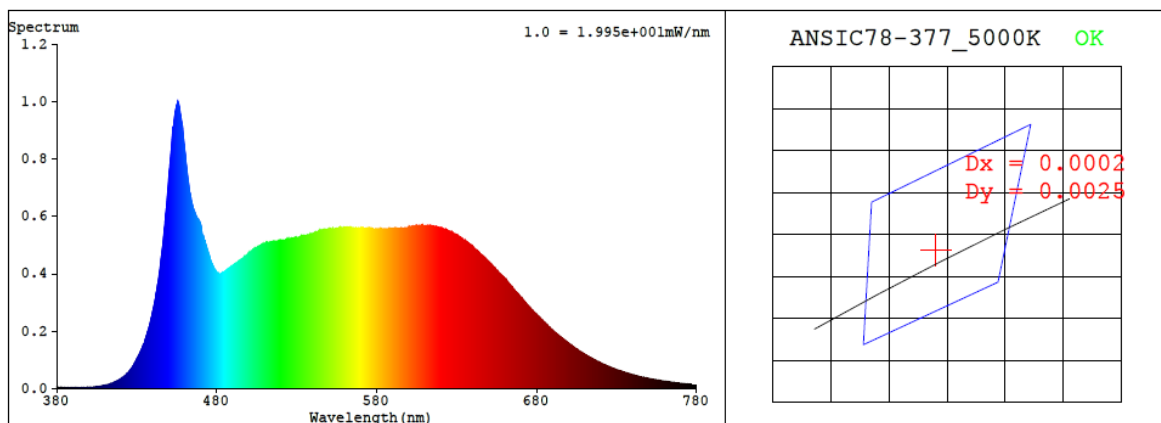
Test Method
<p>The Samples were tested according to the ANSI/IES LM-79:2019.</p> <p>Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at 25±1°C.</p> <p>The sample measurements were made 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	0.072	8.3	0.961

CCT (K)	CRI	R9	Duv	SDCM	Rf	Rg	IES Rcs,h1
5026	94.4	74	0.0012	0.8	91	97	-5%

4.1 Integrating Sphere Test



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3446$ $y = 0.3536$ / $u' = 0.2103$ $v' = 0.4856$ ($duv=1.19e-03$)

CCT= 5026K Prcp WL: Ld=571.1nm Purity=9.5%

Peak WL: Lp=456nm FWHM: =27.5nm Ratio:R=17.5% G=76.5% B=6.0%

Render Index: Ra = 94.4 AvgR = 92.5 TM30:Rf=92 Rg=98

EEI: 0.13180 A+

R1 =96 R2 =99 R3 =97 R4 =93 R5 =94 R6 =95 R7 =92

R8 =88 R9 =74 R10=98 R11=94 R12=76 R13=98 R14=99 R15=94

4.1 Integrating Sphere Test

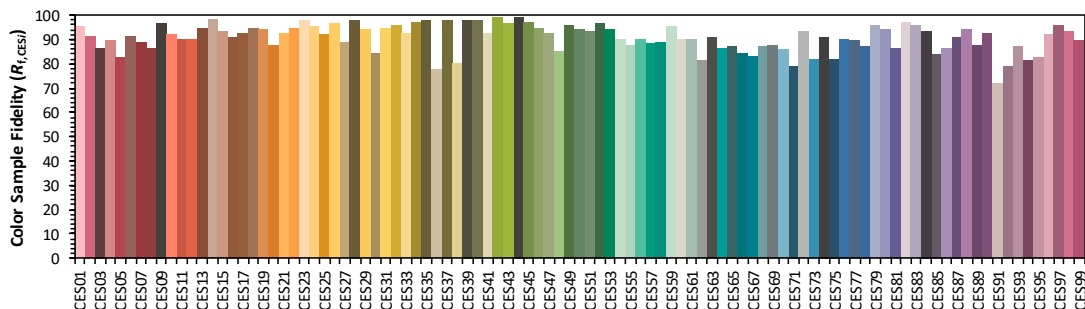
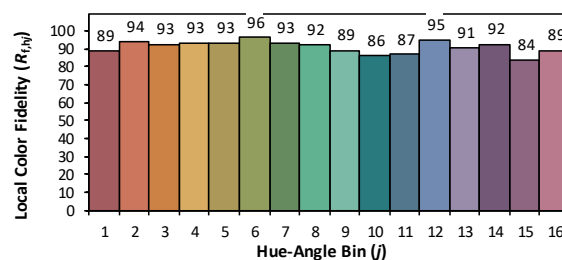
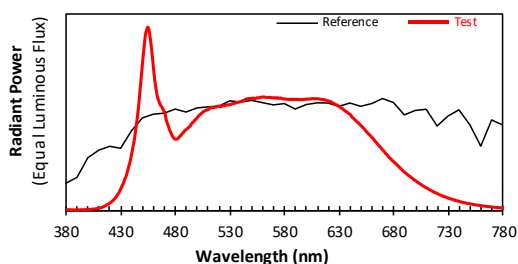
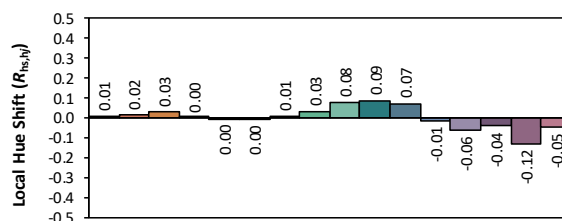
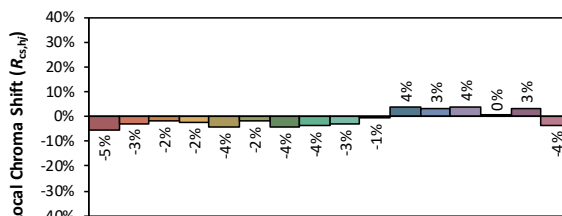
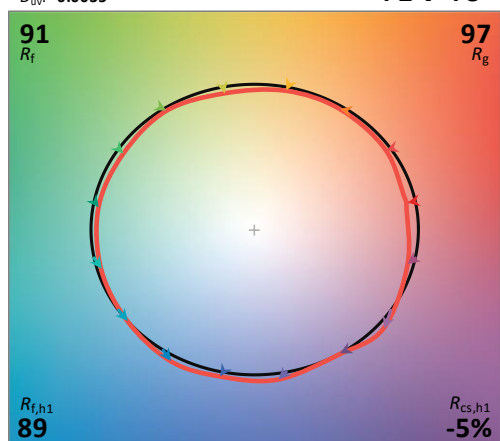
ANSI/IES TM-30-24 Color Rendition Report

Source: BXRV-TR-3050G-10A1-B-23
Date: 2025/12/10
Notes: N/A

Make: RAB Lighting Inc.
Model: PIVOTSB @5000K
Other: N/A

CCT: 4947 K
 D_{uv} : 0.0035

P2 V- F3



TM-30 Advanced Calculator Version 2.04

Created

2025/12/10

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	5.30E-03	447	6.48E-01	514	5.61E-01	581	6.07E-01	648	4.73E-01	715	1.05E-01
381	3.90E-03	448	7.13E-01	515	5.62E-01	582	6.06E-01	649	4.66E-01	716	1.02E-01
382	4.40E-03	449	7.80E-01	516	5.64E-01	583	6.05E-01	650	4.60E-01	717	9.84E-02
383	3.50E-03	450	8.44E-01	517	5.64E-01	584	6.06E-01	651	4.53E-01	718	9.63E-02
384	3.80E-03	451	8.99E-01	518	5.67E-01	585	6.05E-01	652	4.48E-01	719	9.38E-02
385	3.20E-03	452	9.55E-01	519	5.69E-01	586	6.07E-01	653	4.41E-01	720	9.07E-02
386	3.90E-03	453	9.81E-01	520	5.67E-01	587	6.04E-01	654	4.33E-01	721	8.78E-02
387	2.80E-03	454	9.99E-01	521	5.66E-01	588	6.06E-01	655	4.26E-01	722	8.54E-02
388	3.30E-03	455	9.93E-01	522	5.69E-01	589	6.06E-01	656	4.21E-01	723	8.24E-02
389	2.90E-03	456	9.56E-01	523	5.71E-01	590	6.05E-01	657	4.14E-01	724	8.02E-02
390	3.70E-03	457	9.14E-01	524	5.70E-01	591	6.05E-01	658	4.09E-01	725	7.79E-02
391	3.20E-03	458	8.60E-01	525	5.74E-01	592	6.06E-01	659	4.02E-01	726	7.56E-02
392	3.70E-03	459	8.01E-01	526	5.74E-01	593	6.05E-01	660	3.96E-01	727	7.36E-02
393	4.10E-03	460	7.42E-01	527	5.75E-01	594	6.04E-01	661	3.89E-01	728	7.10E-02
394	3.80E-03	461	6.92E-01	528	5.75E-01	595	6.05E-01	662	3.81E-01	729	6.88E-02
395	4.10E-03	462	6.53E-01	529	5.77E-01	596	6.04E-01	663	3.75E-01	730	6.67E-02
396	4.10E-03	463	6.19E-01	530	5.77E-01	597	6.06E-01	664	3.67E-01	731	6.47E-02
397	4.70E-03	464	6.02E-01	531	5.80E-01	598	6.05E-01	665	3.60E-01	732	6.27E-02
398	5.00E-03	465	5.85E-01	532	5.82E-01	599	6.07E-01	666	3.54E-01	733	6.10E-02
399	5.30E-03	466	5.72E-01	533	5.83E-01	600	6.07E-01	667	3.47E-01	734	5.89E-02
400	5.60E-03	467	5.65E-01	534	5.84E-01	601	6.07E-01	668	3.40E-01	735	5.74E-02
401	6.00E-03	468	5.54E-01	535	5.89E-01	602	6.08E-01	669	3.33E-01	736	5.56E-02
402	6.50E-03	469	5.42E-01	536	5.88E-01	603	6.07E-01	670	3.27E-01	737	5.36E-02
403	7.10E-03	470	5.28E-01	537	5.90E-01	604	6.09E-01	671	3.20E-01	738	5.23E-02
404	7.70E-03	471	4.96E-01	538	5.91E-01	605	6.11E-01	672	3.12E-01	739	5.04E-02
405	7.90E-03	472	4.77E-01	539	5.93E-01	606	6.09E-01	673	3.06E-01	740	4.91E-02
406	9.00E-03	473	4.62E-01	540	5.95E-01	607	6.09E-01	674	3.00E-01	741	4.71E-02
407	9.90E-03	474	4.42E-01	541	5.99E-01	608	6.09E-01	675	2.92E-01	742	4.54E-02
408	1.12E-02	475	4.29E-01	542	5.99E-01	609	6.09E-01	676	2.85E-01	743	4.43E-02
409	1.27E-02	476	4.14E-01	543	6.02E-01	610	6.09E-01	677	2.81E-01	744	4.27E-02
410	1.37E-02	477	4.03E-01	544	6.07E-01	611	6.08E-01	678	2.72E-01	745	4.14E-02
411	1.53E-02	478	3.95E-01	545	6.06E-01	612	6.07E-01	679	2.69E-01	746	3.99E-02
412	1.68E-02	479	3.90E-01	546	6.10E-01	613	6.06E-01	680	2.63E-01	747	3.89E-02
413	1.89E-02	480	3.89E-01	547	6.10E-01	614	6.05E-01	681	2.58E-01	748	3.80E-02
414	2.17E-02	481	3.90E-01	548	6.11E-01	615	6.04E-01	682	2.52E-01	749	3.65E-02
415	2.46E-02	482	3.93E-01	549	6.10E-01	616	6.03E-01	683	2.46E-01	750	3.54E-02
416	2.77E-02	483	4.01E-01	550	6.12E-01	617	6.02E-01	684	2.40E-01	751	3.45E-02
417	3.11E-02	484	4.06E-01	551	6.11E-01	618	6.00E-01	685	2.34E-01	752	3.33E-02
418	3.50E-02	485	4.13E-01	552	6.12E-01	619	5.97E-01	686	2.28E-01	753	3.22E-02
419	3.85E-02	486	4.22E-01	553	6.10E-01	620	5.97E-01	687	2.22E-01	754	3.15E-02
420	4.25E-02	487	4.25E-01	554	6.14E-01	621	5.93E-01	688	2.17E-01	755	3.01E-02
421	4.76E-02	488	4.34E-01	555	6.13E-01	622	5.93E-01	689	2.11E-01	756	2.95E-02
422	5.27E-02	489	4.40E-01	556	6.13E-01	623	5.89E-01	690	2.07E-01	757	2.86E-02
423	5.89E-02	490	4.44E-01	557	6.16E-01	624	5.85E-01	691	2.02E-01	758	2.75E-02
424	6.46E-02	491	4.49E-01	558	6.18E-01	625	5.82E-01	692	1.96E-01	759	2.68E-02
425	7.23E-02	492	4.55E-01	559	6.17E-01	626	5.79E-01	693	1.92E-01	760	2.58E-02
426	8.05E-02	493	4.60E-01	560	6.19E-01	627	5.76E-01	694	1.87E-01	761	2.50E-02
427	9.02E-02	494	4.70E-01	561	6.18E-01	628	5.74E-01	695	1.83E-01	762	2.41E-02
428	1.00E-01	495	4.78E-01	562	6.17E-01	629	5.69E-01	696	1.78E-01	763	2.35E-02
429	1.13E-01	496	4.83E-01	563	6.16E-01	630	5.66E-01	697	1.73E-01	764	2.29E-02
430	1.25E-01	497	4.91E-01	564	6.16E-01	631	5.60E-01	698	1.68E-01	765	2.22E-02
431	1.39E-01	498	4.96E-01	565	6.16E-01	632	5.57E-01	699	1.65E-01	766	2.17E-02
432	1.51E-01	499	5.02E-01	566	6.16E-01	633	5.53E-01	700	1.60E-01	767	2.07E-02
433	1.68E-01	500	5.10E-01	567	6.16E-01	634	5.47E-01	701	1.56E-01	768	2.01E-02
434	1.82E-01	501	5.16E-01	568	6.14E-01	635	5.43E-01	702	1.52E-01	769	1.93E-02
435	2.00E-01	502	5.22E-01	569	6.15E-01	636	5.39E-01	703	1.47E-01	770	1.88E-02
436	2.22E-01	503	5.27E-01	570	6.14E-01	637	5.36E-01	704	1.44E-01	771	1.82E-02
437	2.44E-01	504	5.32E-01	571	6.14E-01	638	5.29E-01	705	1.40E-01	772	1.76E-02
438	2.66E-01	505	5.38E-01	572	6.12E-01	639	5.26E-01	706	1.36E-01	773	1.70E-02
439	2.97E-01	506	5.41E-01	573	6.15E-01	640	5.22E-01	707	1.32E-01	774	1.65E-02
440	3.26E-01	507	5.45E-01	574	6.13E-01	641	5.11E-01	708	1.28E-01	775	1.61E-02
441	3.57E-01	508	5.48E-01	575	6.12E-01	642	5.06E-01	709	1.25E-01	776	1.53E-02
442	3.90E-01	509	5.48E-01	576	6.14E-01	643	5.01E-01	710	1.22E-01	777	1.49E-02
443	4.35E-01	510	5.53E-01	577	6.10E-01	644	4.94E-01	711	1.18E-01	778	1.47E-02
444	4.78E-01	511	5.56E-01	578	6.10E-01	645	4.89E-01	712	1.14E-01	779	1.47E-02
445	5.26E-01	512	5.60E-01	579	6.07E-01	646	4.82E-01	713	1.11E-01	780	1.47E-02
446	5.81E-01	513	5.61E-01	580	6.08E-01	647	4.78E-01	714	1.08E-01	N/A	N/A

4.0 LM-79 Measurement and Test Results

4.2 Goniophotometer Test

Model No.	PIVOTSB @5000K	Sample ID	250903028-S1
Operate time (Min.)	30	Stabilization time (Min.)	60
Temperature (°C)	25.0	Humidity (%RH)	42.1

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	0.072	8.3	0.961
NON-WORST CASE	N/A	N/A	N/A	N/A	N/A

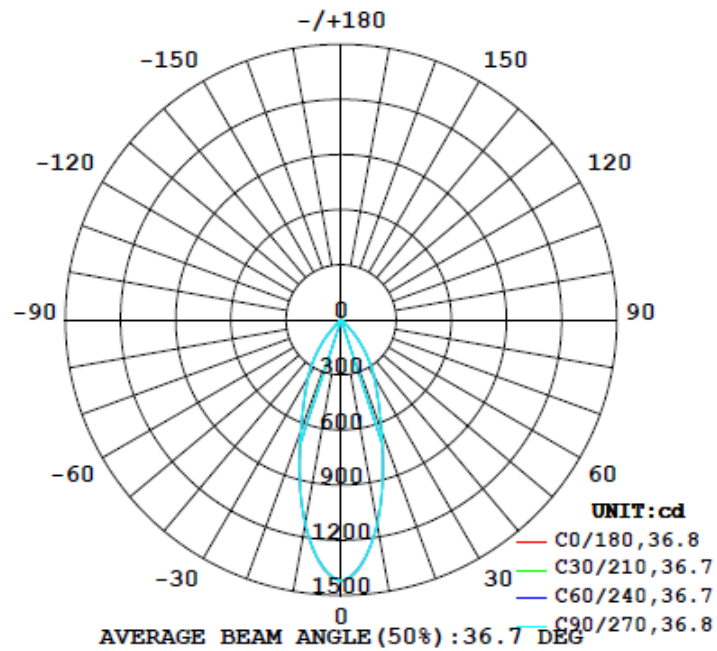
Test Result

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°)
805	81.0	81.1	36.9	36.9	97.0	100.0%

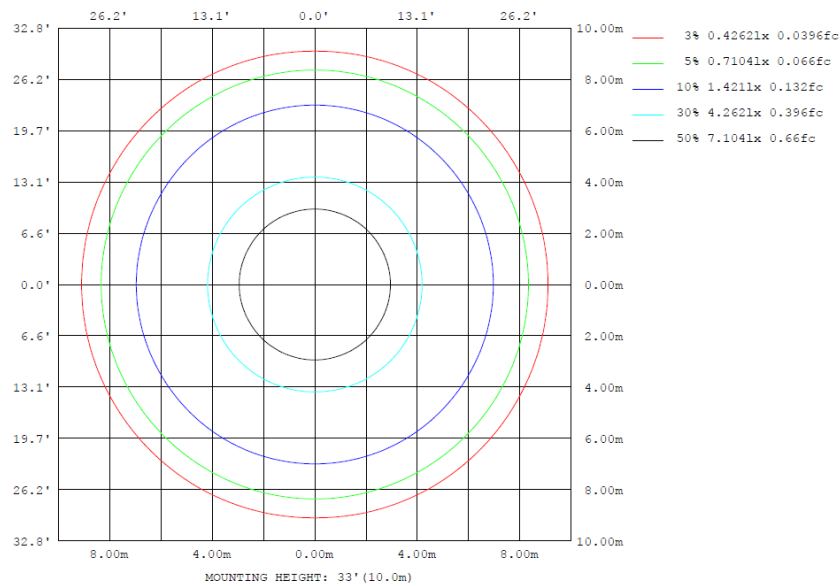
4.2 Goniophotometer Test

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	1130	1128	1128	1128	1130	1128	1128	1128	0- 10	120.3	120.3	14.9,14.9
20	642.4	642.2	642.1	642.2	642.4	642.2	642.1	642.2	10- 20	241.6	361.8	44.9,44.9
30	357.1	358.1	359.3	358.1	357.1	358.1	359.3	358.1	20- 30	219.8	581.6	72.2,72.2
40	152.9	153.7	155.6	153.7	152.9	153.7	155.6	153.7	30- 40	158.0	739.6	91.9,91.9
50	18.16	18.59	18.49	18.59	18.16	18.59	18.49	18.59	40- 50	48.77	788.4	97.9,97.9
60	7.432	7.585	7.664	7.585	7.432	7.585	7.664	7.585	50- 60	11.73	800.1	99.4,99.4
70	2.027	2.098	2.026	2.098	2.027	2.098	2.026	2.098	60- 70	3.955	804.1	99.9,99.9
80	0.0229	0.0277	0.0269	0.0277	0.0229	0.0277	0.0269	0.0277	70- 80	1.098	805.2	100,100
90	0	0	0	0	0	0	0	0	80- 90	0.0076	805.2	100,100
100	0	0	0	0	0	0	0	0	90-100	0	805.2	100,100
110	0	0	0	0	0	0	0	0	100-110	0	805.2	100,100
120	0	0	0	0	0	0	0	0	110-120	0	805.2	100,100
130	0	0	0	0	0	0	0	0	120-130	0	805.2	100,100
140	0	0	0	0	0	0	0	0	130-140	0	805.2	100,100
150	0	0	0	0	0	0	0	0	140-150	0	805.2	100,100
160	0	0	0	0	0	0	0	0	150-160	0	805.2	100,100
170	0	0	0	0	0	0	0	0	160-170	0	805.2	100,100
180	0	0	0	0	0	0	0	0	170-180	0	805.2	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

	Zonal (lm)		Total (lm)	Percent
0-10	120.27	0-10	120.27	14.94%
10-20	241.56	0-20	361.83	44.94%
20-30	219.79	0-30	581.62	72.23%
30-40	158.01	0-40	739.63	91.86%
40-50	48.77	0-50	788.40	97.91%
50-60	11.73	0-60	800.13	99.37%
60-70	3.96	0-70	804.09	99.86%
70-80	1.10	0-80	805.19	100.00%
80-90	0.01	0-90	805.20	100.00%
90-100	0.00	0-100	805.20	100.00%
100-110	0.00	0-110	805.20	100.00%
110-120	0.00	0-120	805.20	100.00%
120-130	0.00	0-130	805.20	100.00%
130-140	0.00	0-140	805.20	100.00%
140-150	0.00	0-150	805.20	100.00%
150-160	0.00	0-160	805.20	100.00%
160-170	0.00	0-170	805.20	100.00%
170-180	0.00	0-180	805.20	100.00%

4.2 Goniophotometer Test

Luminous Distribution Intensity Data

Table--1

UNIT: cd

C (DEG) y	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1421	1421	1421	1421	1421	1421	1421	1421	1421	1421	1421	1421	1421	1421	1421	1421	1421	1421	1421
5	1334	1329	1328	1327	1326	1327	1329	1327	1326	1327	1328	1329	1334	1329	1328	1327	1326	1327	1329
10	1130	1128	1127	1128	1127	1127	1128	1127	1128	1127	1128	1128	1130	1128	1127	1128	1127	1127	1128
15	880	877	877	877	875	875	875	877	877	877	877	880	877	877	877	877	875	875	875
20	642	641	641	642	642	641	642	641	642	642	641	641	642	641	641	642	642	641	642
25	474	473	474	476	477	477	476	477	476	474	473	474	473	474	476	477	477	476	476
30	357	355	355	358	360	360	359	360	360	358	355	355	357	355	355	358	360	360	359
35	254	254	253	255	257	258	258	258	257	255	253	254	254	254	253	255	257	258	258
40	153	153	153	154	154	155	156	155	154	154	153	153	153	153	153	154	154	155	156
45	51.8	51.9	51.9	51.5	51.9	52.0	51.4	52.0	51.9	51.5	51.9	51.9	51.8	51.9	51.9	51.5	51.9	52.0	51.4
50	18.2	18.1	18.2	18.6	18.8	18.7	18.5	18.7	18.8	18.6	18.2	18.1	18.2	18.1	18.2	18.6	18.8	18.7	18.5
55	13.1	12.9	13.0	13.3	13.6	13.4	13.6	13.4	13.6	13.3	13.0	12.9	13.1	12.9	13.0	13.3	13.6	13.4	13.4
60	7.43	7.28	7.39	7.58	7.80	7.75	7.66	7.75	7.80	7.58	7.39	7.28	7.43	7.28	7.39	7.58	7.80	7.75	7.66
65	3.48	3.41	3.52	3.64	3.75	3.65	3.56	3.65	3.75	3.64	3.52	3.41	3.48	3.41	3.52	3.64	3.75	3.65	3.56
70	2.03	1.99	2.04	2.10	2.13	2.09	2.03	2.09	2.13	2.10	2.04	1.99	2.03	1.99	2.04	2.10	2.13	2.09	2.03
75	1.07	1.03	1.06	1.09	1.10	1.09	1.06	1.09	1.10	1.09	1.06	1.03	1.07	1.03	1.06	1.09	1.10	1.09	1.06
80	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03
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	285	300	315	330	345														
0	1421	1421	1421	1421	1421														
5	1327	1326	1327	1328	1329														
10	1127	1127	1128	1127	1128														
15	875	877	877	877	877														
20	641	642	642	641	641														
25	477	477	476	474	473														
30	360	360	358	355	355														
35	258	257	255	253	254														
40	155	154	154	153	153														
45	52.0	51.9	51.5	51.9	51.9														
50	18.7	18.8	18.6	18.2	18.1														
55	13.6	13.6	13.3	13.0	12.9														
60	7.75	7.80	7.58	7.39	7.28														
65	3.65	3.75	3.64	3.52	3.41														
70	2.09	2.13	2.10	2.04	1.99														
75	1.09	1.10	1.09	1.06	1.03														
80	0.03	0.03	0.03	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.	PIVOTSB @5000K	Sample ID	250903028-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 $25 \pm 1^\circ\text{C}$. 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	0.072	8.3	0.961	13.53

5.0 Equipment List:

Equipment ID	Equipment Name	Last Cal.	Due Cal.
NTC-F01-001	Goniophotometer System	2025-11-06	2026-11-05
NTC-F01-006	2.0 meter Integrating Sphere	2025-11-06	2026-11-05
NTC-F01-012	Standard Lamp	2025-10-27	2026-10-26
NTC-F01-013	Standard Lamp	2025-10-27	2026-10-26
NTC-F01-031	Digital Power Meter	2025-08-04	2026-08-03
NTC-F01-019	Temperature & Humidity Meter	2025-10-23	2026-10-22

*****End of Report*****