

Photometric Test Report

Relevant Standards

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

Prepared For

RAB Lighting Inc.

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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		860
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Standard	Premium	90.6
		95	110	
Power (Input Wattage) (W) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Worst Case		9.5
Total Harmonic Distortion (A%) (THD & PF – Section 4.3)	ANSI C82.77:2002 ANSI C82-77-10:2020	20.00%	120V	12.75
Power Factor (THD & PF – Section 4.3)	ANSI C82.77:2002 ANSI C82-77-10:2020	0.9	120V	0.974
Allowable CCTs* (K) (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19	7 steps	3465±245	3535
		4 steps	3465±124	
Chromaticity (D _{uv}) (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19	7 steps	0.0005±0.0060	-0.0012
		4 steps	0.0005±0.0033	
Minimum CRI (Integrating Sphere – Section 4.1)	ANSI/IES LM-79 19 CIE13.3-1995	≥80		95.6
Minimum R9 (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19 CIE13.3-1995	≥0		76
Minimum Rf (Integrating Sphere – Section 4.1)	ANSI/IES TM-30-24	≥70		92
Minimum Rg (Integrating Sphere – Section 4.1)	ANSI/IES TM-30-24	≥89		98
IES Rcs,h1 (Integrating Sphere – Section 4.1)	ANSI/IES TM-30-24	-12%≤IES Rcs,h1≤+23%		-3%
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		0.081
(Goniophotometer – Section 4.2)		Non-Worst Case		N/A
Power (Input Wattage – W)				
(Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Worst Case		9.5
(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	PIVOTMB @10W3500K	-	250903027-S1
2	Goniophotometer Test	2025-12-08	PIVOTMB @10W3500K	-	250903027-S1
3	THD and PF Test	2025-12-08	PIVOTMB @10W3500K	-	250903027-S1

Remark (If any):

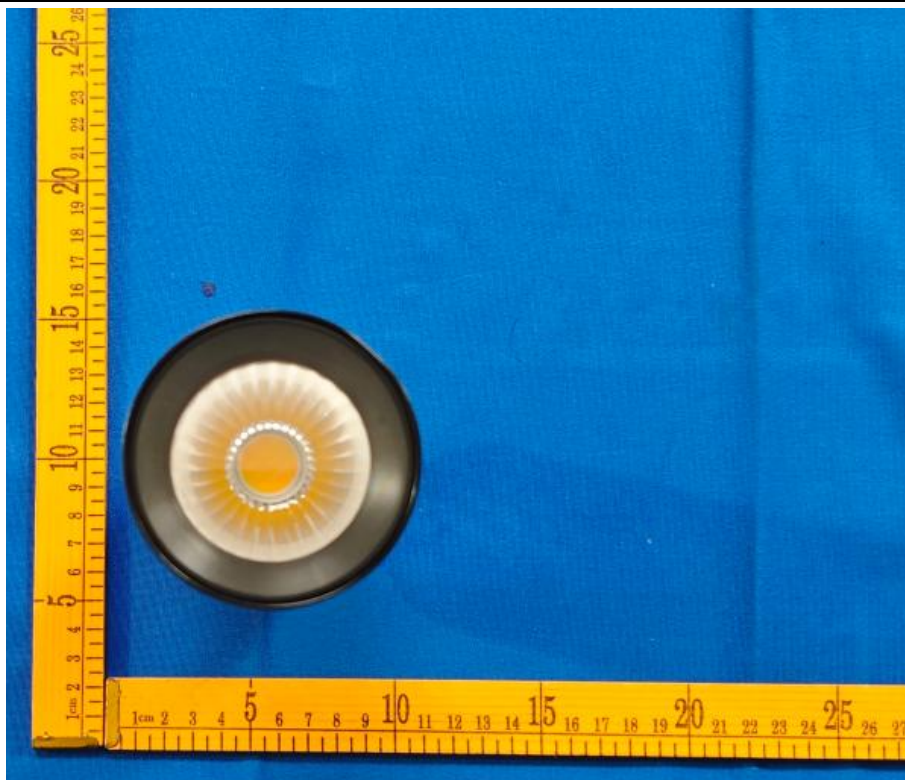
1. The results contained in this report pertain only to the tested samples.
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3. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the U.S. Government.

3.0 Product Description

Luminaire Description: Model No. PIVOTMB @10W3500K, 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.	PIVOTMB @10W3500K	Sample ID	250903027-S1
Operate time (Min.)	10	Stabilization time (Min.)	60
Temperature (°C)	25.4	Humidity (%RH)	41.0

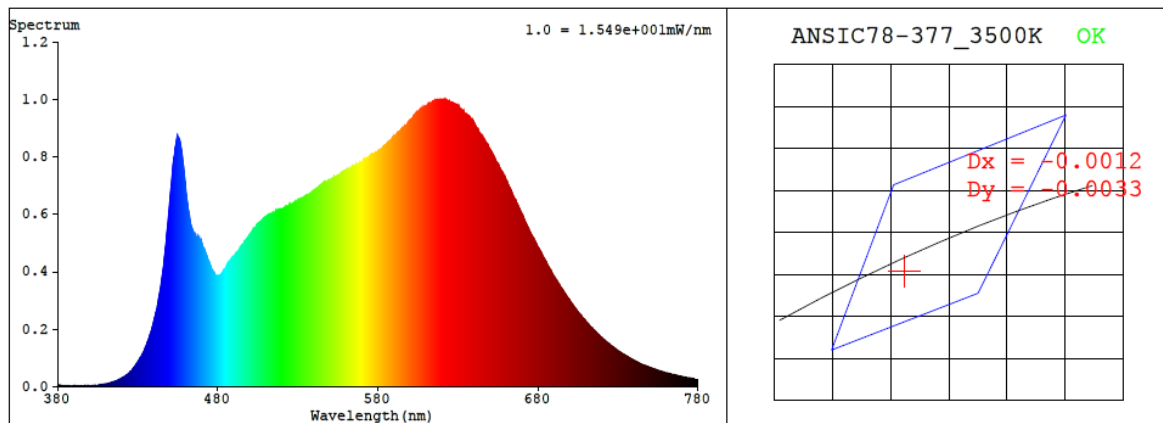
Test Method
<p>The Samples were tested according to the ANSI/IES LM-79:2019.</p> <p>Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at $25\pm1^{\circ}\text{C}$.</p> <p>The sample measurements 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	0.081	9.5	0.974

CCT (K)	CRI	R9	Duv	SDCM	Rf	Rg	IES Rcs,h1
3535	95.6	76	-0.0012	2.8	92	98	-3%

4.1 Integrating Sphere Test



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4022$ $y = 0.3865$ / $u' = 0.2354$ $v' = 0.5090$ ($duv = -1.18e-03$)

CCT= 3535K Prcp WL: Ld=581.3nm Purity=36.7%

Peak WL: Lp=622nm FWHM: =182.1nm Ratio:R=22.1% G=73.7% B=4.2%

Render Index: Ra = 95.6 AvgR = 94.2 TM30:Rf=93 Rg=99

EEL: 0.14376 A+

R1 =98 R2 =99 R3 =98 R4 =95 R5 =97 R6 =96 R7 =93

R8 =89 R9 =76 R10=100 R11=98 R12=80 R13=99 R14=100 R15=95

4.1 Integrating Sphere Test

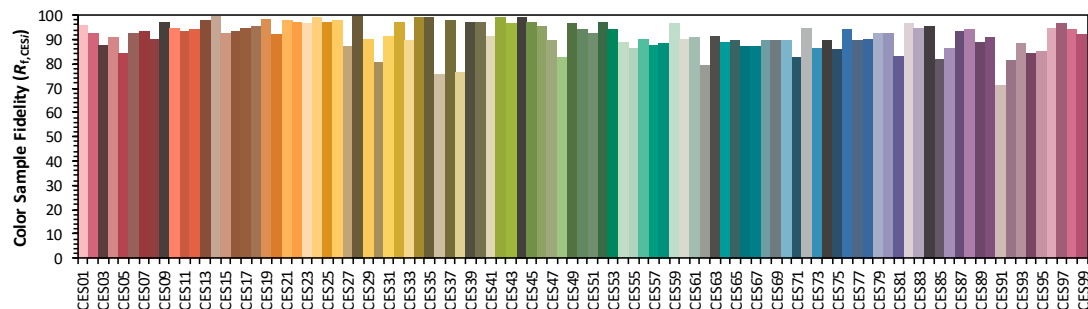
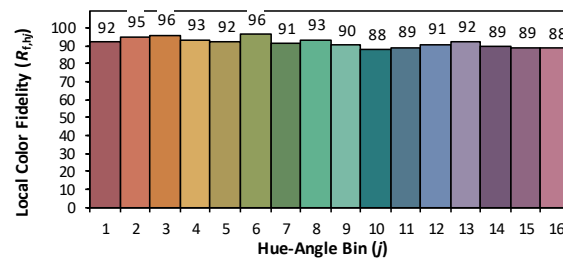
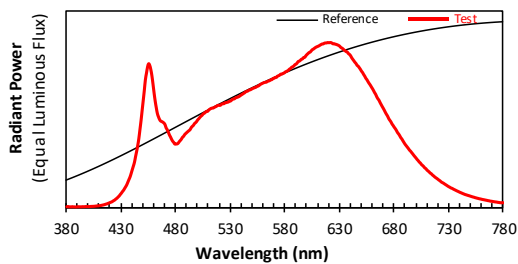
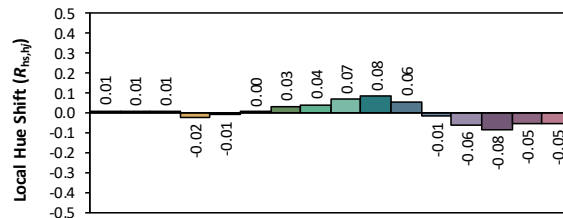
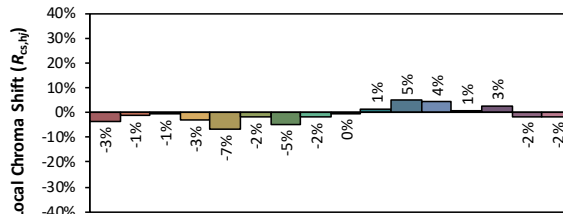
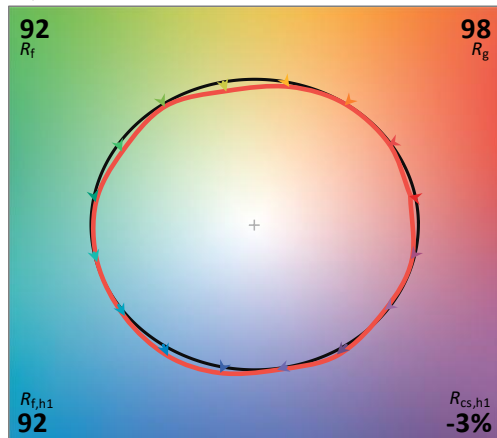
ANSI/IES TM-30-24 Color Rendition Report

Source: BXRV-TR-2750G-20A0-A-2x
Date: 2025/12/10
Notes: N/A

Make: RAB Lighting Inc.
Model: PIVOTMB @10W3500K
Other: N/A

CCT: 3535 K
 D_{uv} : -0.0012

P2 V- F2



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	2.60E-03	447	4.70E-01	514	6.02E-01	581	8.23E-01	648	8.47E-01	715	1.96E-01
381	4.30E-03	448	5.24E-01	515	6.05E-01	582	8.27E-01	649	8.37E-01	716	1.91E-01
382	2.60E-03	449	5.86E-01	516	6.09E-01	583	8.31E-01	650	8.26E-01	717	1.85E-01
383	2.50E-03	450	6.46E-01	517	6.12E-01	584	8.38E-01	651	8.18E-01	718	1.80E-01
384	2.00E-03	451	7.07E-01	518	6.17E-01	585	8.42E-01	652	8.06E-01	719	1.75E-01
385	3.20E-03	452	7.74E-01	519	6.19E-01	586	8.49E-01	653	7.96E-01	720	1.70E-01
386	2.20E-03	453	8.14E-01	520	6.18E-01	587	8.53E-01	654	7.83E-01	721	1.65E-01
387	2.30E-03	454	8.51E-01	521	6.20E-01	588	8.57E-01	655	7.74E-01	722	1.60E-01
388	1.60E-03	455	8.71E-01	522	6.26E-01	589	8.65E-01	656	7.62E-01	723	1.54E-01
389	1.70E-03	456	8.61E-01	523	6.28E-01	590	8.69E-01	657	7.52E-01	724	1.50E-01
390	3.40E-03	457	8.35E-01	524	6.28E-01	591	8.75E-01	658	7.42E-01	725	1.47E-01
391	2.70E-03	458	7.97E-01	525	6.34E-01	592	8.84E-01	659	7.31E-01	726	1.42E-01
392	2.80E-03	459	7.46E-01	526	6.35E-01	593	8.87E-01	660	7.21E-01	727	1.38E-01
393	2.10E-03	460	6.92E-01	527	6.37E-01	594	8.92E-01	661	7.09E-01	728	1.33E-01
394	3.10E-03	461	6.44E-01	528	6.39E-01	595	8.98E-01	662	6.96E-01	729	1.29E-01
395	3.10E-03	462	6.04E-01	529	6.43E-01	596	9.00E-01	663	6.85E-01	730	1.25E-01
396	2.90E-03	463	5.68E-01	530	6.45E-01	597	9.09E-01	664	6.71E-01	731	1.21E-01
397	4.00E-03	464	5.49E-01	531	6.50E-01	598	9.10E-01	665	6.59E-01	732	1.17E-01
398	3.70E-03	465	5.33E-01	532	6.55E-01	599	9.19E-01	666	6.50E-01	733	1.15E-01
399	4.30E-03	466	5.23E-01	533	6.57E-01	600	9.27E-01	667	6.36E-01	734	1.11E-01
400	3.80E-03	467	5.20E-01	534	6.60E-01	601	9.33E-01	668	6.24E-01	735	1.07E-01
401	3.90E-03	468	5.16E-01	535	6.66E-01	602	9.39E-01	669	6.12E-01	736	1.04E-01
402	4.90E-03	469	5.11E-01	536	6.67E-01	603	9.42E-01	670	6.00E-01	737	1.01E-01
403	5.00E-03	470	5.01E-01	537	6.70E-01	604	9.49E-01	671	5.88E-01	738	9.75E-02
404	5.40E-03	471	4.82E-01	538	6.73E-01	605	9.56E-01	672	5.75E-01	739	9.46E-02
405	5.70E-03	472	4.71E-01	539	6.78E-01	606	9.60E-01	673	5.63E-01	740	9.11E-02
406	6.50E-03	473	4.56E-01	540	6.82E-01	607	9.65E-01	674	5.52E-01	741	8.84E-02
407	7.30E-03	474	4.39E-01	541	6.86E-01	608	9.70E-01	675	5.38E-01	742	8.55E-02
408	8.00E-03	475	4.27E-01	542	6.91E-01	609	9.74E-01	676	5.28E-01	743	8.25E-02
409	8.30E-03	476	4.13E-01	543	6.95E-01	610	9.76E-01	677	5.18E-01	744	7.99E-02
410	9.90E-03	477	4.01E-01	544	7.01E-01	611	9.79E-01	678	5.05E-01	745	7.71E-02
411	1.04E-02	478	3.93E-01	545	7.03E-01	612	9.84E-01	679	4.96E-01	746	7.53E-02
412	1.18E-02	479	3.83E-01	546	7.06E-01	613	9.87E-01	680	4.86E-01	747	7.29E-02
413	1.33E-02	480	3.84E-01	547	7.11E-01	614	9.91E-01	681	4.77E-01	748	7.10E-02
414	1.49E-02	481	3.84E-01	548	7.13E-01	615	9.91E-01	682	4.66E-01	749	6.89E-02
415	1.69E-02	482	3.88E-01	549	7.16E-01	616	9.96E-01	683	4.54E-01	750	6.67E-02
416	1.90E-02	483	3.98E-01	550	7.20E-01	617	9.97E-01	684	4.45E-01	751	6.46E-02
417	2.11E-02	484	4.05E-01	551	7.23E-01	618	9.97E-01	685	4.35E-01	752	6.25E-02
418	2.40E-02	485	4.13E-01	552	7.26E-01	619	9.99E-01	686	4.23E-01	753	6.08E-02
419	2.64E-02	486	4.24E-01	553	7.27E-01	620	9.99E-01	687	4.14E-01	754	5.85E-02
420	2.96E-02	487	4.30E-01	554	7.32E-01	621	9.99E-01	688	4.03E-01	755	5.67E-02
421	3.19E-02	488	4.41E-01	555	7.35E-01	622	9.99E-01	689	3.92E-01	756	5.49E-02
422	3.59E-02	489	4.48E-01	556	7.38E-01	623	9.96E-01	690	3.82E-01	757	5.33E-02
423	4.02E-02	490	4.54E-01	557	7.44E-01	624	9.92E-01	691	3.73E-01	758	5.14E-02
424	4.42E-02	491	4.60E-01	558	7.48E-01	625	9.92E-01	692	3.65E-01	759	5.03E-02
425	5.02E-02	492	4.65E-01	559	7.51E-01	626	9.90E-01	693	3.56E-01	760	4.85E-02
426	5.50E-02	493	4.71E-01	560	7.54E-01	627	9.88E-01	694	3.47E-01	761	4.69E-02
427	6.21E-02	494	4.83E-01	561	7.57E-01	628	9.85E-01	695	3.40E-01	762	4.57E-02
428	6.85E-02	495	4.91E-01	562	7.58E-01	629	9.82E-01	696	3.32E-01	763	4.43E-02
429	7.74E-02	496	4.97E-01	563	7.60E-01	630	9.78E-01	697	3.23E-01	764	4.29E-02
430	8.53E-02	497	5.08E-01	564	7.64E-01	631	9.70E-01	698	3.14E-01	765	4.16E-02
431	9.49E-02	498	5.13E-01	565	7.66E-01	632	9.66E-01	699	3.06E-01	766	4.00E-02
432	1.03E-01	499	5.21E-01	566	7.69E-01	633	9.61E-01	700	2.99E-01	767	3.89E-02
433	1.14E-01	500	5.31E-01	567	7.73E-01	634	9.55E-01	701	2.90E-01	768	3.72E-02
434	1.25E-01	501	5.38E-01	568	7.75E-01	635	9.50E-01	702	2.83E-01	769	3.63E-02
435	1.37E-01	502	5.46E-01	569	7.82E-01	636	9.45E-01	703	2.74E-01	770	3.52E-02
436	1.53E-01	503	5.53E-01	570	7.83E-01	637	9.42E-01	704	2.68E-01	771	3.40E-02
437	1.69E-01	504	5.58E-01	571	7.88E-01	638	9.33E-01	705	2.59E-01	772	3.29E-02
438	1.85E-01	505	5.67E-01	572	7.88E-01	639	9.28E-01	706	2.54E-01	773	3.19E-02
439	2.06E-01	506	5.70E-01	573	7.95E-01	640	9.20E-01	707	2.47E-01	774	3.11E-02
440	2.28E-01	507	5.76E-01	574	7.98E-01	641	9.08E-01	708	2.39E-01	775	2.96E-02
441	2.50E-01	508	5.82E-01	575	8.02E-01	642	8.98E-01	709	2.34E-01	776	2.89E-02
442	2.73E-01	509	5.82E-01	576	8.08E-01	643	8.89E-01	710	2.26E-01	777	2.77E-02
443	3.07E-01	510	5.90E-01	577	8.08E-01	644	8.80E-01	711	2.20E-01	778	2.73E-02
444	3.39E-01	511	5.95E-01	578	8.12E-01	645	8.72E-01	712	2.14E-01	779	2.73E-02
445	3.75E-01	512	5.99E-01	579	8.14E-01	646	8.61E-01	713	2.07E-01	780	2.73E-02
446	4.17E-01	513	6.01E-01	580	8.20E-01	647	8.56E-01	714	2.03E-01	N/A	N/A

4.0 LM-79 Measurement and Test Results

4.2 Goniophotometer Test

Model No.	PIVOTMB @10W3500K	Sample ID	250903027-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	0.081	9.5	0.974
NON-WORST CASE	N/A	N/A	N/A	N/A	N/A

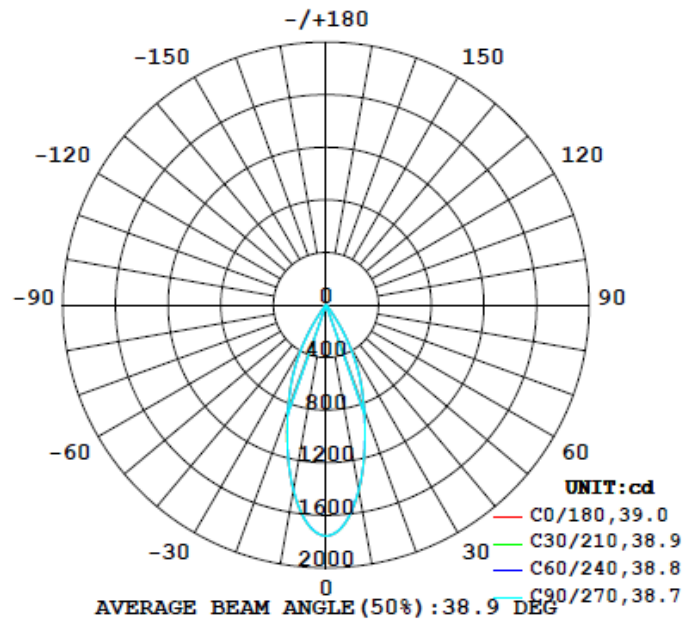
Test Result

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°)
860	69.2	68.3	39.0	38.7	90.6	100.0%

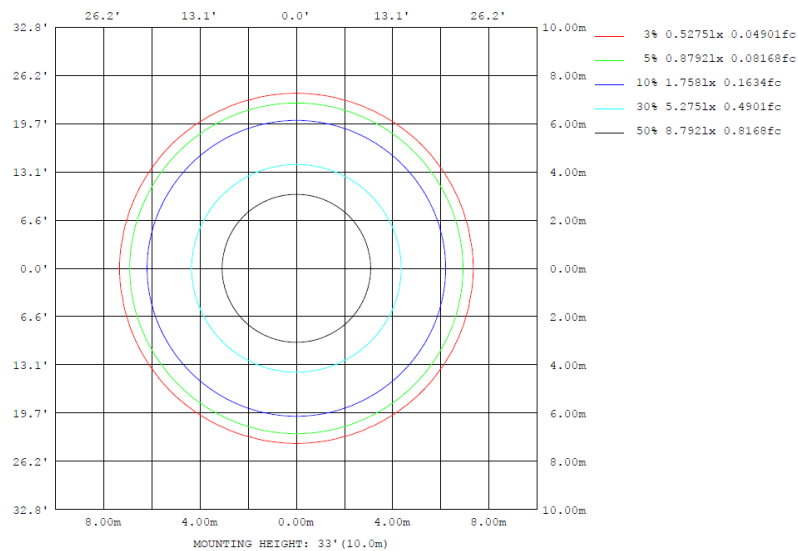
4.2 Goniophotometer Test

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	ℓlum, lamp
10	1435	1432	1429	1432	1435	1432	1429	1432	0~ 10	151.4	151.4	17.6,17.6
20	853.4	849.0	844.0	849.0	853.4	849.0	844.0	849.0	10~ 20	313.0	464.3	54,54
30	373.7	361.5	357.2	361.5	373.7	361.5	357.2	361.5	20~ 30	273.4	737.8	85.8,85.8
40	35.88	35.72	35.08	35.72	35.88	35.72	35.08	35.72	30~ 40	96.20	834.0	97,97
50	13.69	14.08	13.70	14.08	13.69	14.08	13.70	14.08	40~ 50	15.31	849.3	98.7,98.7
60	5.064	5.038	4.834	5.038	5.064	5.038	4.834	5.038	50~ 60	8.280	857.6	99.7,99.7
70	0.6840	0.6897	0.7034	0.6897	0.6840	0.6897	0.7034	0.6897	60~ 70	2.473	860.1	100,100
80	0.0509	0.0461	0.0397	0.0461	0.0509	0.0461	0.0397	0.0461	70~ 80	0.1512	860.2	100,100
90	0	0	0	0	0	0	0	0	80~ 90	0.0202	860.2	100,100
100	0	0	0	0	0	0	0	0	90~100	0	860.2	100,100
110	0	0	0	0	0	0	0	0	100~110	0	860.2	100,100
120	0	0	0	0	0	0	0	0	110~120	0	860.2	100,100
130	0	0	0	0	0	0	0	0	120~130	0	860.2	100,100
140	0	0	0	0	0	0	0	0	130~140	0	860.2	100,100
150	0	0	0	0	0	0	0	0	140~150	0	860.2	100,100
160	0	0	0	0	0	0	0	0	150~160	0	860.2	100,100
170	0	0	0	0	0	0	0	0	160~170	0	860.2	100,100
180	0	0	0	0	0	0	0	0	170~180	0	860.2	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Zonal (lm)		Total (lm)		Percent
0-10	151.37	0-10	151.37	17.60%
10-20	312.97	0-20	464.34	53.98%
20-30	273.44	0-30	737.78	85.77%
30-40	96.20	0-40	833.98	96.95%
40-50	15.31	0-50	849.29	98.73%
50-60	8.28	0-60	857.57	99.69%
60-70	2.47	0-70	860.04	99.98%
70-80	0.15	0-80	860.19	100.00%
80-90	0.02	0-90	860.21	100.00%
90-100	0.00	0-100	860.21	100.00%
100-110	0.00	0-110	860.21	100.00%
110-120	0.00	0-120	860.21	100.00%
120-130	0.00	0-130	860.21	100.00%
130-140	0.00	0-140	860.21	100.00%
140-150	0.00	0-150	860.21	100.00%
150-160	0.00	0-160	860.21	100.00%
160-170	0.00	0-170	860.21	100.00%
170-180	0.00	0-180	860.21	100.00%

4.2 Goniophotometer Test

Luminous Distribution Intensity Data

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1758	1758	1758	1758	1758	1758	1758	1758	1758	1758	1758	1758	1758	1758	1758	1758	1758	1758	1758
5	1668	1667	1667	1666	1664	1664	1665	1664	1664	1666	1667	1667	1668	1667	1667	1666	1664	1664	1665
10	1435	1434	1433	1432	1430	1429	1429	1429	1430	1432	1433	1434	1435	1434	1433	1432	1430	1429	1429
15	1137	1136	1135	1134	1132	1132	1130	1132	1132	1134	1135	1136	1137	1136	1135	1134	1132	1132	1130
20	853	852	851	849	847	845	844	845	847	849	851	852	853	852	851	849	847	845	844
25	616	612	607	605	603	601	601	601	603	605	607	612	616	612	607	605	603	601	601
30	374	369	364	362	361	358	357	358	361	362	364	369	374	369	364	362	361	358	357
35	144	142	138	137	134	132	134	132	134	137	138	142	144	142	138	137	134	132	134
40	35.9	36.0	35.7	35.7	35.4	35.0	35.1	35.0	35.4	35.7	35.7	36.0	35.9	36.0	35.7	35.7	35.4	35.0	35.1
45	18.1	18.3	18.4	18.5	18.5	18.4	18.2	18.4	18.5	18.5	18.4	18.3	18.1	18.3	18.4	18.5	18.5	18.4	18.2
50	13.7	13.9	14.1	14.1	13.9	13.8	13.7	13.8	13.9	14.1	14.1	13.9	13.7	13.9	14.1	14.1	13.9	13.8	13.7
55	9.23	9.36	9.42	9.39	9.21	9.03	9.00	9.03	9.21	9.39	9.42	9.36	9.23	9.36	9.42	9.39	9.21	9.03	9.00
60	5.06	5.11	5.11	5.04	4.96	4.89	4.83	4.89	4.96	5.04	5.11	5.11	5.06	5.11	5.11	5.04	4.96	4.89	4.83
65	2.36	2.39	2.39	2.36	2.33	2.34	2.30	2.34	2.33	2.36	2.39	2.39	2.36	2.39	2.39	2.36	2.33	2.34	2.30
70	0.68	0.69	0.69	0.69	0.66	0.66	0.70	0.66	0.66	0.69	0.69	0.69	0.68	0.69	0.69	0.66	0.66	0.66	0.70
75	0.09	0.09	0.09	0.08	0.08	0.07	0.07	0.07	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.07	0.07
80	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04
85	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	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) γ (DEG)	285	300	315	330	345														
0	1758	1758	1758	1758	1758														
5	1664	1664	1666	1667	1667														
10	1429	1430	1432	1433	1434														
15	1132	1132	1134	1135	1136														
20	845	847	849	851	852														
25	601	603	605	607	612														
30	358	361	362	364	369														
35	132	134	137	138	142														
40	35.0	35.4	35.7	35.7	36.0														
45	18.4	18.5	18.5	18.4	18.3														
50	13.8	13.9	14.1	14.1	13.9														
55	9.03	9.21	9.39	9.42	9.36														
60	4.89	4.96	5.04	5.11	5.11														
65	2.34	2.33	2.36	2.39	2.39														
70	0.66	0.66	0.69	0.69	0.69														
75	0.07	0.08	0.08	0.09	0.09														
80	0.04	0.04	0.05	0.05	0.05														
85	0.02	0.02	0.02	0.02	0.02														
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.	PIVOTMB @10W3500K	Sample ID	250903027-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	0.081	9.5	0.974	12.75

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*****