

Photometric Test Report

Relevant Standards

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

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 Luminaires				
Requirement Category	Test Method	Requirements		Test Value
Luminaire Output (lm) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	≥250lm		1006
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Standard	Premium	99.6
		95	110	
Power (Input Wattage) (W) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	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	13.83
Power Factor (THD & PF – Section 4.3)	ANSI C82.77:2002 ANSI C82-77-10:2020	0.9	120V	0.939
Allowable CCTs* (K) (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19	7 steps	5029±283	5067
		4 steps	5029±220	
Chromaticity (D _{uv}) (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19	7 steps	0.0020±0.0060	0.0039
		4 steps	0.0020±0.0033	
Minimum CRI (Integrating Sphere – Section 4.1)	ANSI/IES LM-79 19 CIE13.3-1995	≥80		93.7
Minimum R9 (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19 CIE13.3-1995	≥0		68
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		0.090
(Goniophotometer – Section 4.2)		Non-Worst Case		N/A
Power (Input Wattage – W)				
(Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	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	2025-12-09	PIVOTLB @10W5000K	-	250903026-S1
2	Goniophotometer Test	2025-12-09	PIVOTLB @10W5000K	-	250903026-S1
3	THD and PF Test	2025-12-09	PIVOTLB @10W5000K	-	250903026-S1

Remark (If any):

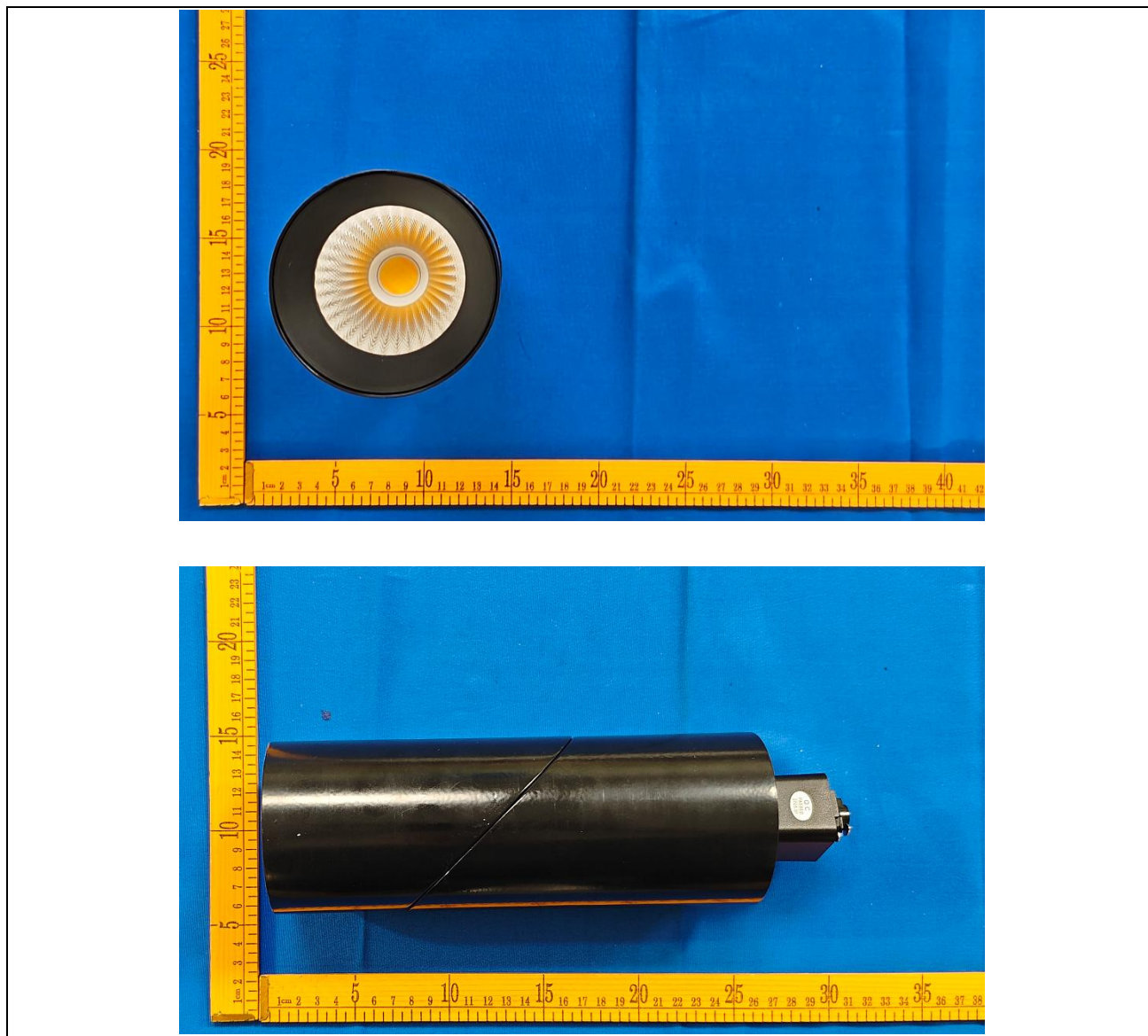
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3. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the U.S. Government.

3.0 Product Description

Luminaire Description: Model No. PIVOTLB @10W5000K, 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.	PIVOTLB @10W5000K	Sample ID	250903026-S1
Operate time (Min.)	10	Stabilization time (Min.)	60
Temperature (°C)	25.4	Humidity (%RH)	41.0

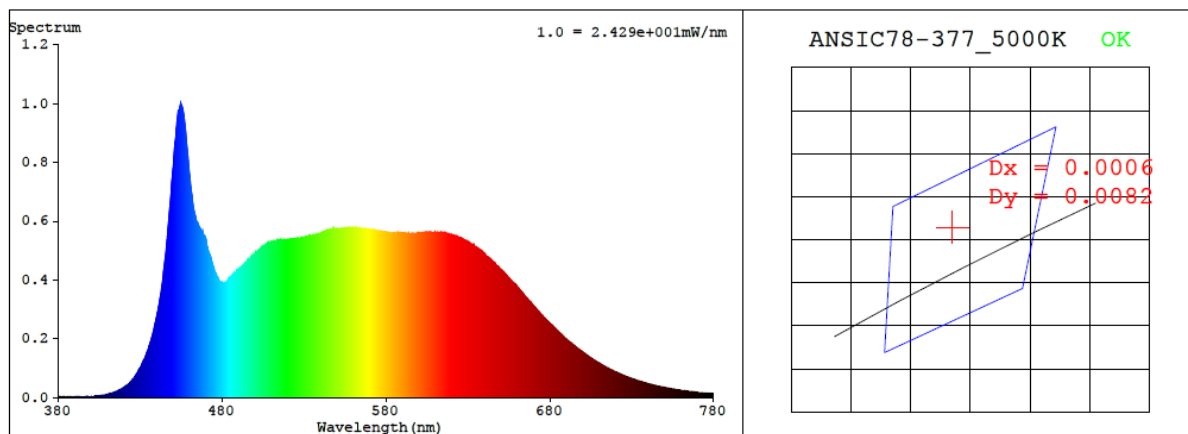
Test Method
<p>The Samples were tested according to the ANSI/IES LM-79:2019.</p> <p>Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at $25\pm1^{\circ}\text{C}$.</p> <p>The sample measurements 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	0.090	10.1	0.939

CCT (K)	CRI	R9	Duv	SDCM	Rf	Rg	IES Rcs,h1
5067	93.7	68	0.0039	2.1	91	97	-5%

4.1 Integrating Sphere Test



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3439$ $y = 0.3583$ / $u' = 0.2080$ $v' = 0.4877$ ($duv=3.85e-03$)

CCT= 5067K Prcp WL: $L_d=568.2nm$ Purity=10.7%

Peak WL: $L_p=455nm$ FWHM: $=26.0nm$ Ratio: $R=17.0\%$ $G=77.1\%$ $B=5.8\%$

Render Index: $R_a = 93.7$ $AvgR = 91.0$ $TM30:R_f=92$ $R_g=97$

EEL: 0.13442 A+

$R_1=94$ $R_2=98$ $R_3=98$ $R_4=92$ $R_5=93$ $R_6=95$ $R_7=93$

$R_8=86$ $R_9=68$ $R_{10}=95$ $R_{11}=93$ $R_{12}=74$ $R_{13}=96$ $R_{14}=99$ $R_{15}=91$

4.1 Integrating Sphere Test

ANSI/IES TM-30-24 Color Rendition Report

Source: BXRV-TR-2750G-30A0-A-2x

Make: RAB Lighting Inc.

Date: 2025/12/10

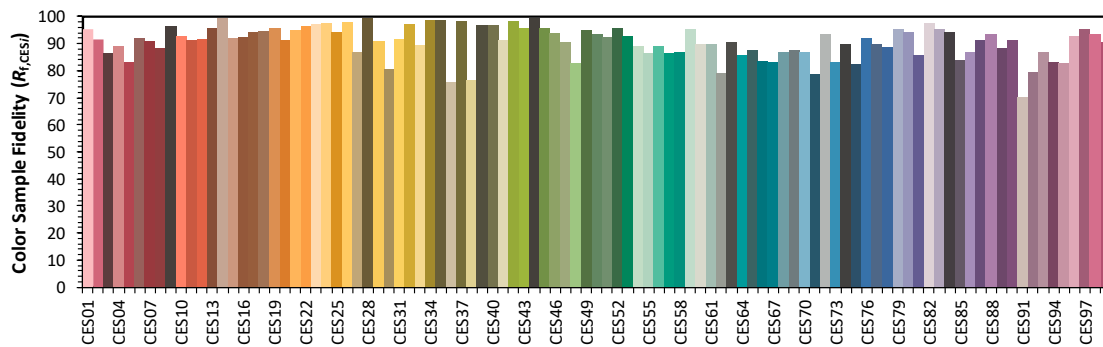
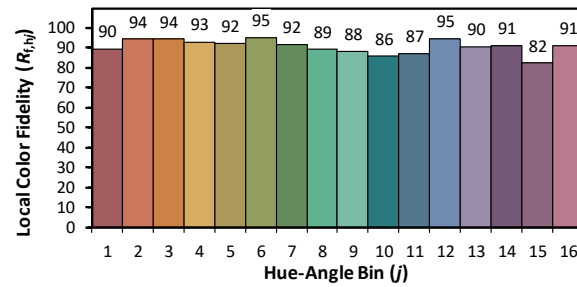
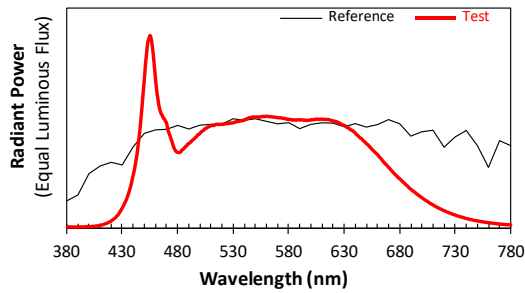
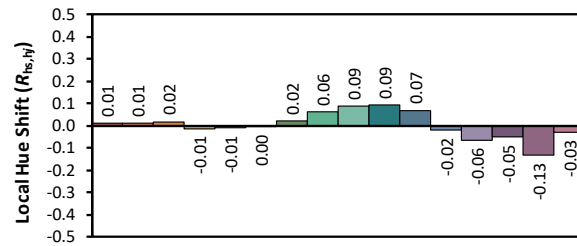
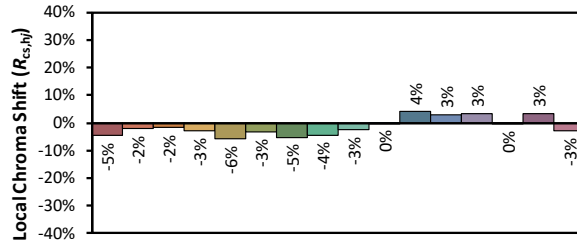
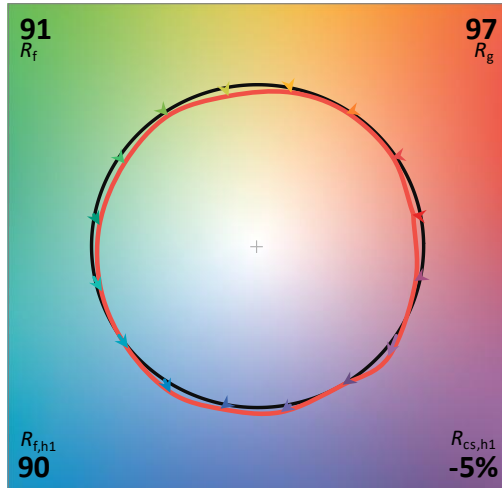
Model: PIVOTLB @10W5000K

Notes: N/A

Other: N/A

CCT: 5070 K
 D_{uv} : 0.0038

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	3.70E-03	447	5.74E-01	514	5.35E-01	581	5.62E-01	648	4.47E-01	715	1.01E-01
381	4.10E-03	448	6.39E-01	515	5.35E-01	582	5.61E-01	649	4.43E-01	716	9.85E-02
382	3.10E-03	449	7.08E-01	516	5.37E-01	583	5.59E-01	650	4.36E-01	717	9.57E-02
383	2.90E-03	450	7.76E-01	517	5.35E-01	584	5.58E-01	651	4.32E-01	718	9.30E-02
384	2.80E-03	451	8.51E-01	518	5.36E-01	585	5.60E-01	652	4.26E-01	719	8.98E-02
385	2.70E-03	452	9.08E-01	519	5.36E-01	586	5.58E-01	653	4.19E-01	720	8.73E-02
386	3.10E-03	453	9.61E-01	520	5.37E-01	587	5.59E-01	654	4.13E-01	721	8.52E-02
387	2.90E-03	454	9.79E-01	521	5.35E-01	588	5.60E-01	655	4.07E-01	722	8.20E-02
388	2.20E-03	455	9.97E-01	522	5.39E-01	589	5.60E-01	656	4.01E-01	723	8.02E-02
389	3.00E-03	456	9.82E-01	523	5.39E-01	590	5.59E-01	657	3.95E-01	724	7.73E-02
390	2.70E-03	457	9.47E-01	524	5.40E-01	591	5.60E-01	658	3.89E-01	725	7.55E-02
391	3.20E-03	458	8.97E-01	525	5.40E-01	592	5.59E-01	659	3.85E-01	726	7.30E-02
392	3.30E-03	459	8.34E-01	526	5.42E-01	593	5.58E-01	660	3.79E-01	727	7.08E-02
393	3.00E-03	460	7.72E-01	527	5.41E-01	594	5.59E-01	661	3.72E-01	728	6.86E-02
394	3.20E-03	461	7.15E-01	528	5.43E-01	595	5.56E-01	662	3.65E-01	729	6.69E-02
395	3.60E-03	462	6.74E-01	529	5.43E-01	596	5.57E-01	663	3.59E-01	730	6.48E-02
396	3.50E-03	463	6.36E-01	530	5.44E-01	597	5.57E-01	664	3.51E-01	731	6.25E-02
397	4.00E-03	464	6.11E-01	531	5.47E-01	598	5.58E-01	665	3.44E-01	732	6.07E-02
398	4.00E-03	465	5.92E-01	532	5.48E-01	599	5.57E-01	666	3.38E-01	733	5.87E-02
399	4.30E-03	466	5.83E-01	533	5.51E-01	600	5.59E-01	667	3.31E-01	734	5.71E-02
400	4.50E-03	467	5.69E-01	534	5.50E-01	601	5.61E-01	668	3.26E-01	735	5.52E-02
401	5.00E-03	468	5.65E-01	535	5.51E-01	602	5.60E-01	669	3.19E-01	736	5.38E-02
402	5.30E-03	469	5.51E-01	536	5.53E-01	603	5.61E-01	670	3.13E-01	737	5.21E-02
403	5.70E-03	470	5.43E-01	537	5.54E-01	604	5.61E-01	671	3.07E-01	738	5.03E-02
404	6.10E-03	471	5.11E-01	538	5.54E-01	605	5.64E-01	672	3.00E-01	739	4.85E-02
405	6.70E-03	472	4.92E-01	539	5.58E-01	606	5.63E-01	673	2.94E-01	740	4.68E-02
406	7.30E-03	473	4.78E-01	540	5.57E-01	607	5.62E-01	674	2.88E-01	741	4.56E-02
407	8.10E-03	474	4.59E-01	541	5.62E-01	608	5.62E-01	675	2.81E-01	742	4.41E-02
408	8.90E-03	475	4.44E-01	542	5.64E-01	609	5.63E-01	676	2.75E-01	743	4.24E-02
409	9.90E-03	476	4.22E-01	543	5.66E-01	610	5.64E-01	677	2.70E-01	744	4.14E-02
410	1.14E-02	477	4.10E-01	544	5.70E-01	611	5.62E-01	678	2.64E-01	745	4.00E-02
411	1.26E-02	478	3.99E-01	545	5.70E-01	612	5.62E-01	679	2.58E-01	746	3.88E-02
412	1.36E-02	479	3.93E-01	546	5.72E-01	613	5.61E-01	680	2.53E-01	747	3.74E-02
413	1.51E-02	480	3.91E-01	547	5.73E-01	614	5.62E-01	681	2.48E-01	748	3.66E-02
414	1.78E-02	481	3.89E-01	548	5.75E-01	615	5.61E-01	682	2.42E-01	749	3.55E-02
415	1.96E-02	482	3.90E-01	549	5.72E-01	616	5.61E-01	683	2.36E-01	750	3.45E-02
416	2.17E-02	483	3.95E-01	550	5.74E-01	617	5.59E-01	684	2.31E-01	751	3.32E-02
417	2.48E-02	484	4.04E-01	551	5.73E-01	618	5.57E-01	685	2.26E-01	752	3.21E-02
418	2.75E-02	485	4.07E-01	552	5.75E-01	619	5.54E-01	686	2.20E-01	753	3.10E-02
419	3.01E-02	486	4.13E-01	553	5.73E-01	620	5.55E-01	687	2.16E-01	754	3.04E-02
420	3.42E-02	487	4.21E-01	554	5.74E-01	621	5.52E-01	688	2.10E-01	755	2.92E-02
421	3.83E-02	488	4.25E-01	555	5.75E-01	622	5.51E-01	689	2.03E-01	756	2.85E-02
422	4.21E-02	489	4.33E-01	556	5.77E-01	623	5.50E-01	690	1.99E-01	757	2.73E-02
423	4.63E-02	490	4.37E-01	557	5.77E-01	624	5.47E-01	691	1.94E-01	758	2.66E-02
424	5.16E-02	491	4.40E-01	558	5.75E-01	625	5.45E-01	692	1.90E-01	759	2.58E-02
425	5.85E-02	492	4.46E-01	559	5.78E-01	626	5.42E-01	693	1.85E-01	760	2.48E-02
426	6.43E-02	493	4.52E-01	560	5.78E-01	627	5.38E-01	694	1.82E-01	761	2.40E-02
427	7.19E-02	494	4.57E-01	561	5.78E-01	628	5.36E-01	695	1.76E-01	762	2.36E-02
428	8.15E-02	495	4.61E-01	562	5.77E-01	629	5.32E-01	696	1.72E-01	763	2.26E-02
429	9.14E-02	496	4.68E-01	563	5.76E-01	630	5.30E-01	697	1.68E-01	764	2.22E-02
430	1.01E-01	497	4.72E-01	564	5.76E-01	631	5.28E-01	698	1.63E-01	765	2.15E-02
431	1.12E-01	498	4.81E-01	565	5.74E-01	632	5.22E-01	699	1.59E-01	766	2.07E-02
432	1.24E-01	499	4.83E-01	566	5.74E-01	633	5.20E-01	700	1.55E-01	767	2.00E-02
433	1.36E-01	500	4.89E-01	567	5.74E-01	634	5.16E-01	701	1.51E-01	768	1.93E-02
434	1.49E-01	501	4.96E-01	568	5.73E-01	635	5.12E-01	702	1.47E-01	769	1.88E-02
435	1.65E-01	502	5.00E-01	569	5.71E-01	636	5.07E-01	703	1.43E-01	770	1.81E-02
436	1.82E-01	503	5.04E-01	570	5.71E-01	637	5.05E-01	704	1.39E-01	771	1.76E-02
437	2.02E-01	504	5.10E-01	571	5.70E-01	638	5.01E-01	705	1.35E-01	772	1.69E-02
438	2.23E-01	505	5.15E-01	572	5.70E-01	639	4.96E-01	706	1.31E-01	773	1.64E-02
439	2.49E-01	506	5.16E-01	573	5.70E-01	640	4.91E-01	707	1.27E-01	774	1.59E-02
440	2.75E-01	507	5.21E-01	574	5.68E-01	641	4.83E-01	708	1.24E-01	775	1.54E-02
441	3.01E-01	508	5.24E-01	575	5.68E-01	642	4.79E-01	709	1.20E-01	776	1.49E-02
442	3.34E-01	509	5.26E-01	576	5.67E-01	643	4.73E-01	710	1.18E-01	777	1.45E-02
443	3.68E-01	510	5.30E-01	577	5.65E-01	644	4.68E-01	711	1.14E-01	778	1.43E-02
444	4.11E-01	511	5.30E-01	578	5.63E-01	645	4.63E-01	712	1.11E-01	779	1.43E-02
445	4.61E-01	512	5.30E-01	579	5.63E-01	646	4.60E-01	713	1.07E-01	780	1.44E-02
446	5.11E-01	513	5.31E-01	580	5.61E-01	647	4.53E-01	714	1.04E-01	N/A	N/A

4.0 LM-79 Measurement and Test Results

4.2 Goniophotometer Test

Model No.	PIVOTLB @10W5000K	Sample ID	250903026-S1
Operate time (Min.)	30	Stabilization time (Min.)	60
Temperature (°C)	25.1	Humidity (%RH)	40.9

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	0.090	10.1	0.939
NON-WORST CASE	N/A	N/A	N/A	N/A	N/A

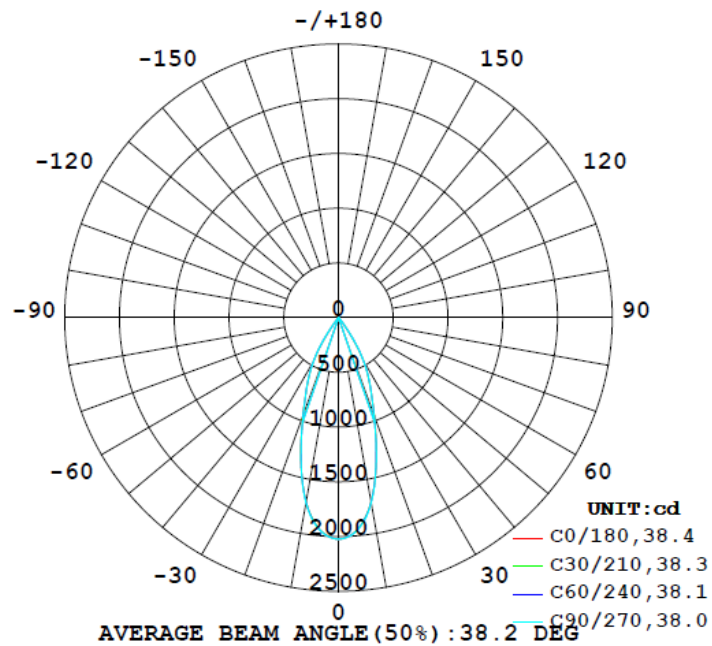
Test Result

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°)
1006	69.8	70.4	38.4	38.1	99.6	100.0%

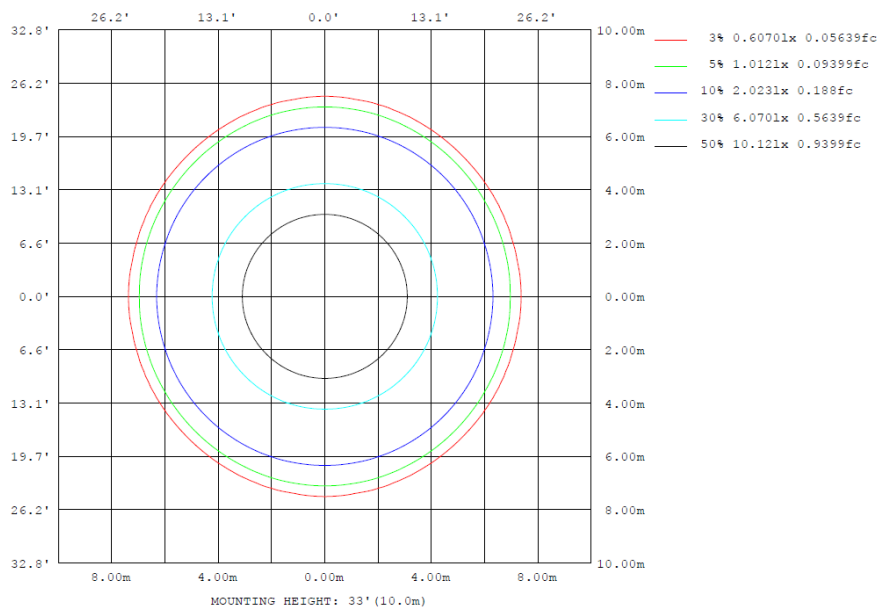
4.2 Goniophotometer Test

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	zone	total	lum, lamp
10	1711	1712	1718	1712	1711	1712	1718	1712	0- 10	178.6	178.6	17.8,17.8
20	955.5	949.9	943.8	949.9	955.5	949.9	943.8	949.9	10- 20	365.7	544.2	54.1,54.1
30	458.5	460.2	455.5	460.2	458.5	460.2	455.5	460.2	20- 30	312.1	856.3	85.1,85.1
40	30.70	31.89	34.32	31.89	30.70	31.89	34.32	31.89	30- 40	125.6	981.8	97.6,97.6
50	13.80	13.61	13.42	13.61	13.80	13.61	13.42	13.61	40- 50	14.26	996.1	99.99
60	3.762	3.643	3.648	3.643	3.762	3.643	3.648	3.643	50- 60	7.775	1004	99.8,99.8
70	0.6468	0.5855	0.5731	0.5855	0.6468	0.5855	0.5731	0.5855	60- 70	1.747	1006	100,100
80	0.0278	0.0281	0.0288	0.0281	0.0278	0.0281	0.0288	0.0281	70- 80	0.1209	1006	100,100
90	0	0	0	0	0	0	0	0	80- 90	0.0138	1006	100,100
100	0	0	0	0	0	0	0	0	90-100	0	1006	100,100
110	0	0	0	0	0	0	0	0	100-110	0	1006	100,100
120	0	0	0	0	0	0	0	0	110-120	0	1006	100,100
130	0	0	0	0	0	0	0	0	120-130	0	1006	100,100
140	0	0	0	0	0	0	0	0	130-140	0	1006	100,100
150	0	0	0	0	0	0	0	0	140-150	0	1006	100,100
160	0	0	0	0	0	0	0	0	150-160	0	1006	100,100
170	0	0	0	0	0	0	0	0	160-170	0	1006	100,100
180	0	0	0	0	0	0	0	0	170-180	0	1006	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Zonal (lm)		Total (lm)		Percent
0-10	178.55	0-10	178.55	17.75%
10-20	365.66	0-20	544.21	54.11%
20-30	312.06	0-30	856.27	85.14%
30-40	125.55	0-40	981.82	97.62%
40-50	14.26	0-50	996.08	99.04%
50-60	7.77	0-60	1003.85	99.81%
60-70	1.75	0-70	1005.60	99.99%
70-80	0.12	0-80	1005.72	100.00%
80-90	0.01	0-90	1005.73	100.00%
90-100	0.00	0-100	1005.73	100.00%
100-110	0.00	0-110	1005.73	100.00%
110-120	0.00	0-120	1005.73	100.00%
120-130	0.00	0-130	1005.73	100.00%
130-140	0.00	0-140	1005.73	100.00%
140-150	0.00	0-150	1005.73	100.00%
150-160	0.00	0-160	1005.73	100.00%
160-170	0.00	0-170	1005.73	100.00%
170-180	0.00	0-180	1005.73	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	2023	2023	2023	2023	2023	2023	2023	2023	2023	2023	2023	2023	2023	2023	2023	2023	2023	2023	2023
5	1948	1947	1948	1948	1950	1951	1951	1951	1950	1948	1948	1947	1948	1947	1948	1948	1950	1951	1951
10	1711	1710	1711	1712	1714	1716	1718	1716	1714	1712	1711	1710	1711	1710	1711	1712	1714	1716	1718
15	1337	1335	1332	1330	1330	1332	1331	1332	1330	1330	1332	1335	1337	1335	1332	1330	1330	1332	1331
20	956	955	953	950	948	947	944	947	948	950	953	955	956	955	953	950	948	947	944
25	675	674	680	681	684	684	683	684	684	681	680	674	675	674	680	681	684	684	683
30	458	460	462	460	459	457	456	457	459	460	462	460	458	460	462	460	459	457	456
35	174	178	181	186	195	204	206	204	195	186	181	178	174	178	181	186	195	204	206
40	30.7	30.9	31.3	31.9	32.8	33.4	34.3	33.4	32.8	31.9	31.3	30.9	30.7	30.9	31.3	31.9	32.8	33.4	34.3
45	16.8	16.7	16.7	16.6	16.6	16.7	16.6	16.7	16.6	16.6	16.7	16.7	16.8	16.7	16.7	16.6	16.6	16.7	16.6
50	13.8	13.7	13.7	13.6	13.6	13.5	13.4	13.5	13.6	13.6	13.7	13.7	13.8	13.7	13.7	13.6	13.6	13.5	13.4
55	8.96	8.91	8.84	8.81	8.85	8.84	8.84	8.84	8.85	8.81	8.84	8.91	8.96	8.91	8.84	8.81	8.85	8.84	8.84
60	3.76	3.72	3.65	3.64	3.64	3.68	3.65	3.68	3.64	3.64	3.65	3.72	3.76	3.72	3.65	3.64	3.64	3.68	3.65
65	1.74	1.66	1.63	1.60	1.62	1.62	1.59	1.62	1.62	1.60	1.63	1.66	1.74	1.66	1.63	1.60	1.62	1.62	1.59
70	0.65	0.59	0.57	0.59	0.59	0.59	0.57	0.59	0.59	0.59	0.57	0.59	0.65	0.59	0.57	0.59	0.59	0.59	0.57
75	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
80	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
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	2023	2023	2023	2023	2023														
5	1951	1950	1948	1948	1947														
10	1716	1714	1712	1711	1710														
15	1332	1330	1330	1332	1335														
20	947	948	950	953	955														
25	684	684	681	680	674														
30	457	459	460	462	460														
35	204	195	186	181	178														
40	33.4	32.8	31.9	31.3	30.9														
45	16.7	16.6	16.6	16.7	16.7														
50	13.5	13.6	13.6	13.7	13.7														
55	8.84	8.85	8.81	8.84	8.91														
60	3.68	3.64	3.64	3.65	3.72														
65	1.62	1.62	1.60	1.63	1.66														
70	0.59	0.59	0.59	0.57	0.59														
75	0.05	0.05	0.05	0.05	0.05														
80	0.03	0.03	0.03	0.03	0.03														
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.	PIVOTLB @10W5000K	Sample ID	250903026-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	0.090	10.1	0.939	13.83

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*****