

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		1685
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Standard	Premium	85.5
		95	110	
Power (Input Wattage) (W) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Worst Case		19.7
Total Harmonic Distortion (A%) (THD & PF – Section 4.3)	ANSI C82.77:2002 ANSI C82-77-10:2020	20.00%	120V	12.82
Power Factor (THD & PF – Section 4.3)	ANSI C82.77:2002 ANSI C82-77-10:2020	0.9	120V	0.977
Allowable CCTs* (K) (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19	7 steps	3985±275	3881
		4 steps	3985±154	
Chromaticity (D _{uv}) (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19	7 steps	0.0010±0.0060	-0.0006
		4 steps	0.0010±0.0033	
Minimum CRI (Integrating Sphere – Section 4.1)	ANSI/IES LM-79 19 CIE13.3-1995	≥80		96.2
Minimum R9 (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19 CIE13.3-1995	≥0		79
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		0.168
(Goniophotometer – Section 4.2)		Non-Worst Case		N/A
Power (Input Wattage – W)				
(Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Worst Case		19.7
(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 @20W4000K	-	250903026-S1
2	Goniophotometer Test	2025-12-09	PIVOTLB @20W4000K	-	250903026-S1
3	THD and PF Test	2025-12-09	PIVOTLB @20W4000K	-	250903026-S1

Remark (If any):

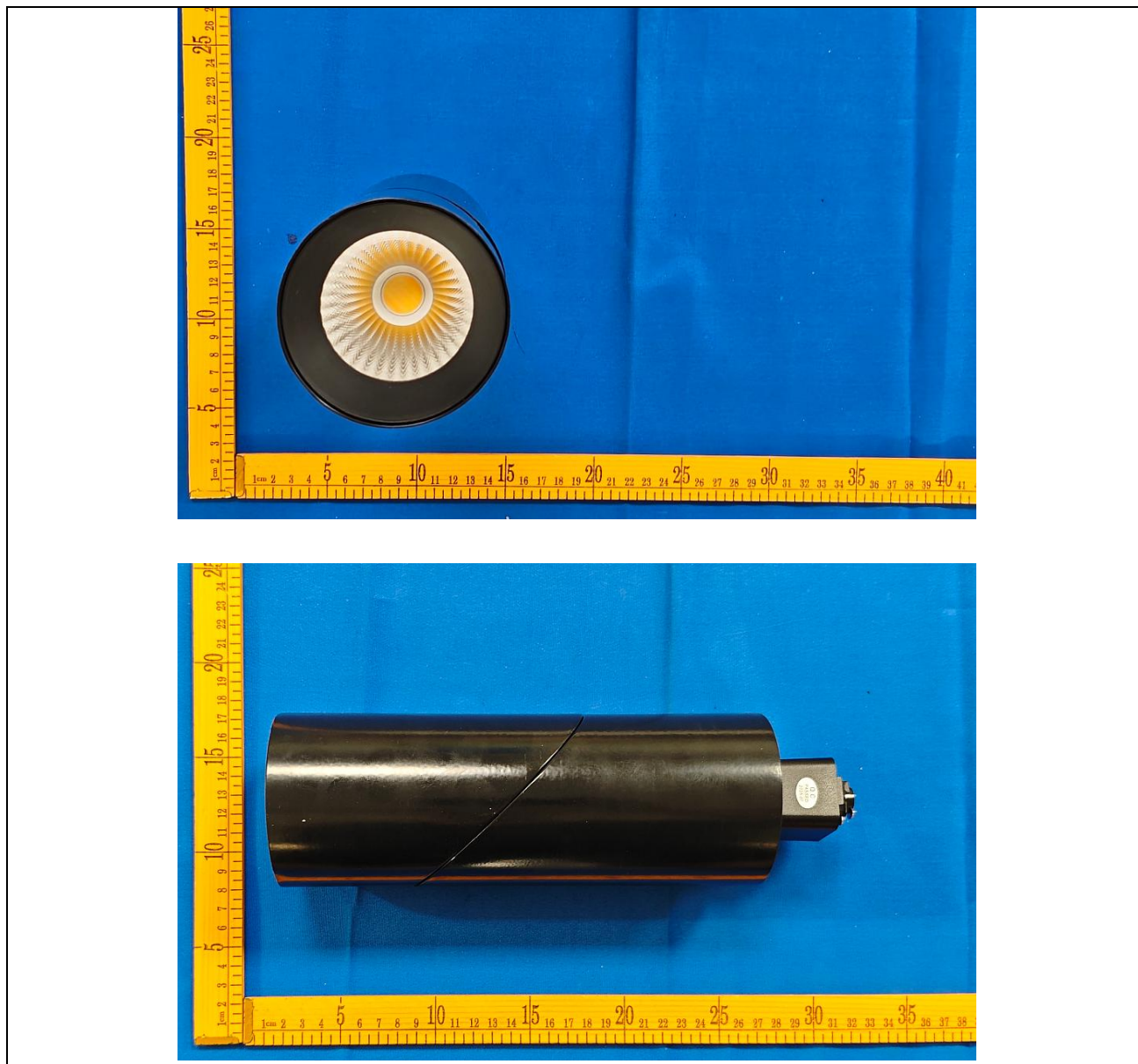
1. The results contained in this report pertain only to the tested samples.
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3. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the U.S. Government.

3.0 Product Description

Luminaire Description: Model No. PIVOTLB @20W4000K, 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 @20W4000K	Sample ID	250903026-S1
Operate time (Min.)	10	Stabilization time (Min.)	60
Temperature (°C)	25.4	Humidity (%RH)	41.0

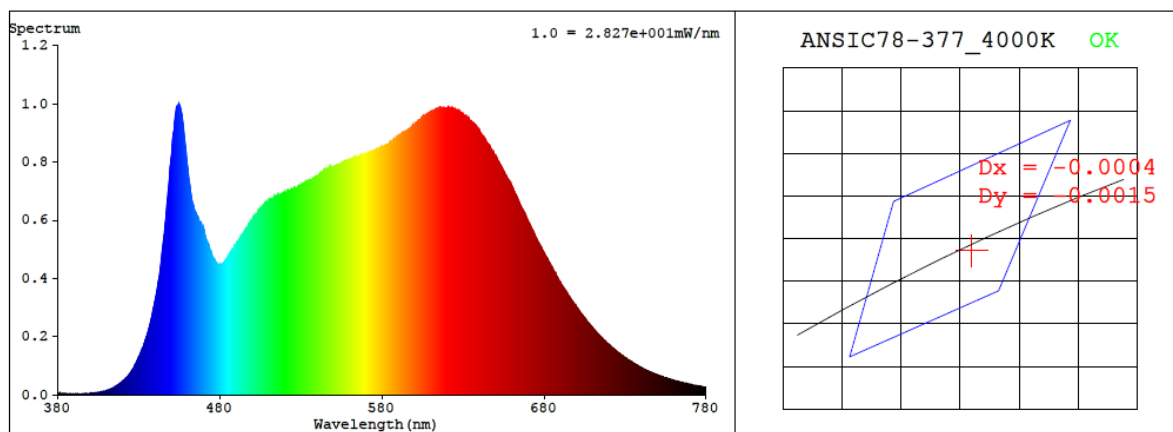
Test Method
<p>The Samples were tested according to the ANSI/IES LM-79:2019.</p> <p>Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at $25\pm1^{\circ}\text{C}$.</p> <p>The sample measurements 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	0.168	19.7	0.977

CCT (K)	CRI	R9	Duv	SDCM	Rf	Rg	IES Rcs,h1
3881	96.2	79	-0.0006	2.7	92	98	-3%

4.1 Integrating Sphere Test



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3854$ $y = 0.3786$ / $u' = 0.2277$ $v' = 0.5031$ ($duv = -5.74e-04$)

CCT= 3881K Prcp WL: $L_d = 579.8\text{nm}$ Purity=29.3%

Peak WL: $L_p = 455\text{nm}$ FWHM: $= 191.7\text{nm}$ Ratio: R=20.7% G=74.7% B=4.6%

Render Index: $R_a = 96.2$ AvgR = 94.4 TM30: $R_f = 93$ $R_g = 99$

EEL: 0.16335 A+

R1 =98 R2 =100 R3 =99 R4 =96 R5 =96 R6 =96 R7 =94

R8 =90 R9 =79 R10=98 R11=97 R12=79 R13=99 R14=100 R15=95

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

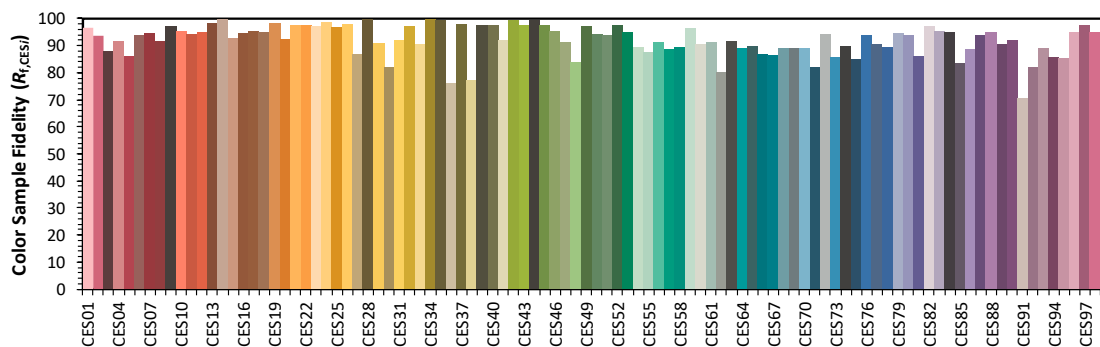
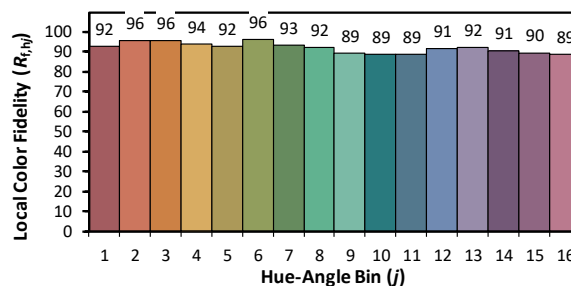
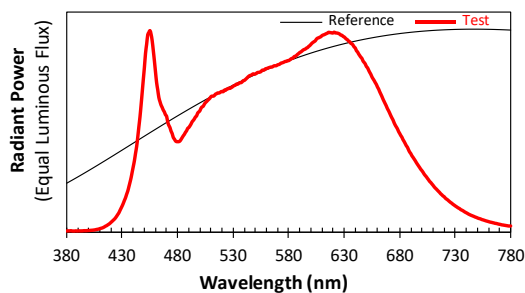
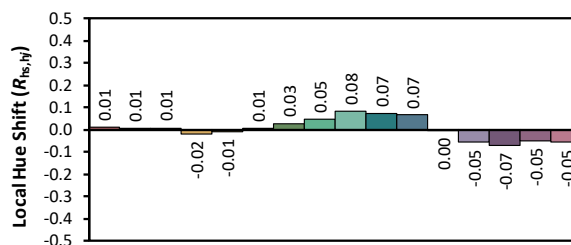
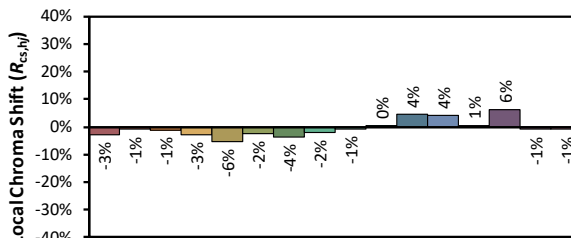
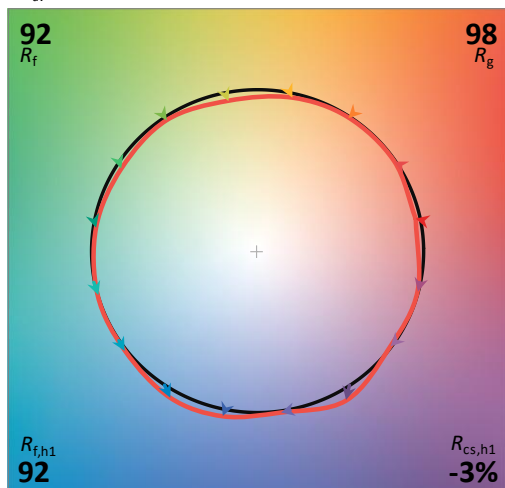
Model: PIVOTLB @20W4000K

Notes: N/A

Other: N/A

CCT: 3881 K
 D_{uv} : -0.0006

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	2.90E-03	447	6.28E-01	514	6.82E-01	581	8.52E-01	648	8.39E-01	715	2.00E-01
381	4.20E-03	448	6.91E-01	515	6.84E-01	582	8.56E-01	649	8.31E-01	716	1.94E-01
382	3.70E-03	449	7.55E-01	516	6.88E-01	583	8.59E-01	650	8.19E-01	717	1.88E-01
383	4.30E-03	450	8.16E-01	517	6.87E-01	584	8.61E-01	651	8.13E-01	718	1.83E-01
384	4.50E-03	451	8.85E-01	518	6.89E-01	585	8.68E-01	652	8.01E-01	719	1.77E-01
385	3.30E-03	452	9.29E-01	519	6.94E-01	586	8.69E-01	653	7.90E-01	720	1.74E-01
386	3.20E-03	453	9.76E-01	520	6.95E-01	587	8.74E-01	654	7.80E-01	721	1.67E-01
387	2.90E-03	454	9.87E-01	521	6.94E-01	588	8.79E-01	655	7.67E-01	722	1.62E-01
388	3.90E-03	455	9.97E-01	522	7.02E-01	589	8.83E-01	656	7.58E-01	723	1.59E-01
389	3.40E-03	456	9.79E-01	523	7.00E-01	590	8.89E-01	657	7.49E-01	724	1.54E-01
390	3.40E-03	457	9.46E-01	524	7.06E-01	591	8.91E-01	658	7.39E-01	725	1.49E-01
391	4.10E-03	458	8.98E-01	525	7.08E-01	592	8.96E-01	659	7.30E-01	726	1.44E-01
392	3.60E-03	459	8.47E-01	526	7.11E-01	593	9.00E-01	660	7.17E-01	727	1.41E-01
393	3.90E-03	460	7.91E-01	527	7.10E-01	594	9.03E-01	661	7.07E-01	728	1.36E-01
394	3.90E-03	461	7.38E-01	528	7.14E-01	595	9.06E-01	662	6.94E-01	729	1.32E-01
395	4.50E-03	462	7.03E-01	529	7.17E-01	596	9.10E-01	663	6.82E-01	730	1.28E-01
396	4.90E-03	463	6.65E-01	530	7.21E-01	597	9.13E-01	664	6.70E-01	731	1.24E-01
397	4.70E-03	464	6.45E-01	531	7.24E-01	598	9.18E-01	665	6.57E-01	732	1.20E-01
398	5.00E-03	465	6.28E-01	532	7.27E-01	599	9.23E-01	666	6.45E-01	733	1.17E-01
399	5.40E-03	466	6.16E-01	533	7.32E-01	600	9.29E-01	667	6.34E-01	734	1.14E-01
400	5.80E-03	467	6.03E-01	534	7.31E-01	601	9.34E-01	668	6.22E-01	735	1.09E-01
401	6.20E-03	468	5.93E-01	535	7.35E-01	602	9.39E-01	669	6.09E-01	736	1.07E-01
402	6.80E-03	469	5.79E-01	536	7.39E-01	603	9.43E-01	670	5.99E-01	737	1.04E-01
403	7.10E-03	470	5.72E-01	537	7.39E-01	604	9.47E-01	671	5.87E-01	738	1.00E-01
404	7.80E-03	471	5.44E-01	538	7.42E-01	605	9.55E-01	672	5.75E-01	739	9.65E-02
405	8.50E-03	472	5.27E-01	539	7.49E-01	606	9.59E-01	673	5.64E-01	740	9.37E-02
406	9.60E-03	473	5.16E-01	540	7.50E-01	607	9.61E-01	674	5.54E-01	741	9.06E-02
407	1.10E-02	474	4.98E-01	541	7.55E-01	608	9.64E-01	675	5.40E-01	742	8.72E-02
408	1.19E-02	475	4.86E-01	542	7.60E-01	609	9.67E-01	676	5.28E-01	743	8.45E-02
409	1.33E-02	476	4.67E-01	543	7.65E-01	610	9.72E-01	677	5.19E-01	744	8.19E-02
410	1.52E-02	477	4.59E-01	544	7.70E-01	611	9.75E-01	678	5.09E-01	745	7.97E-02
411	1.69E-02	478	4.50E-01	545	7.74E-01	612	9.77E-01	679	4.97E-01	746	7.74E-02
412	1.84E-02	479	4.46E-01	546	7.76E-01	613	9.80E-01	680	4.87E-01	747	7.52E-02
413	2.08E-02	480	4.46E-01	547	7.79E-01	614	9.82E-01	681	4.77E-01	748	7.25E-02
414	2.38E-02	481	4.46E-01	548	7.82E-01	615	9.85E-01	682	4.68E-01	749	7.07E-02
415	2.74E-02	482	4.50E-01	549	7.81E-01	616	9.89E-01	683	4.56E-01	750	6.82E-02
416	2.99E-02	483	4.57E-01	550	7.82E-01	617	9.87E-01	684	4.47E-01	751	6.60E-02
417	3.38E-02	484	4.66E-01	551	7.86E-01	618	9.87E-01	685	4.37E-01	752	6.45E-02
418	3.73E-02	485	4.75E-01	552	7.89E-01	619	9.85E-01	686	4.26E-01	753	6.27E-02
419	4.16E-02	486	4.83E-01	553	7.90E-01	620	9.85E-01	687	4.18E-01	754	6.01E-02
420	4.68E-02	487	4.93E-01	554	7.91E-01	621	9.89E-01	688	4.05E-01	755	5.86E-02
421	5.17E-02	488	5.00E-01	555	7.94E-01	622	9.86E-01	689	3.95E-01	756	5.68E-02
422	5.71E-02	489	5.12E-01	556	8.00E-01	623	9.85E-01	690	3.87E-01	757	5.49E-02
423	6.22E-02	490	5.16E-01	557	8.01E-01	624	9.84E-01	691	3.76E-01	758	5.31E-02
424	6.88E-02	491	5.25E-01	558	8.02E-01	625	9.82E-01	692	3.69E-01	759	5.16E-02
425	7.67E-02	492	5.34E-01	559	8.07E-01	626	9.79E-01	693	3.60E-01	760	5.00E-02
426	8.52E-02	493	5.45E-01	560	8.09E-01	627	9.75E-01	694	3.52E-01	761	4.82E-02
427	9.36E-02	494	5.51E-01	561	8.11E-01	628	9.74E-01	695	3.43E-01	762	4.69E-02
428	1.05E-01	495	5.59E-01	562	8.13E-01	629	9.68E-01	696	3.34E-01	763	4.57E-02
429	1.17E-01	496	5.69E-01	563	8.15E-01	630	9.65E-01	697	3.26E-01	764	4.42E-02
430	1.28E-01	497	5.74E-01	564	8.16E-01	631	9.60E-01	698	3.18E-01	765	4.30E-02
431	1.41E-01	498	5.88E-01	565	8.16E-01	632	9.55E-01	699	3.09E-01	766	4.13E-02
432	1.55E-01	499	5.94E-01	566	8.20E-01	633	9.51E-01	700	3.03E-01	767	4.06E-02
433	1.68E-01	500	6.00E-01	567	8.23E-01	634	9.45E-01	701	2.95E-01	768	3.92E-02
434	1.86E-01	501	6.12E-01	568	8.22E-01	635	9.41E-01	702	2.86E-01	769	3.76E-02
435	2.01E-01	502	6.19E-01	569	8.23E-01	636	9.34E-01	703	2.79E-01	770	3.66E-02
436	2.23E-01	503	6.22E-01	570	8.27E-01	637	9.31E-01	704	2.72E-01	771	3.53E-02
437	2.45E-01	504	6.32E-01	571	8.28E-01	638	9.25E-01	705	2.64E-01	772	3.37E-02
438	2.68E-01	505	6.40E-01	572	8.31E-01	639	9.16E-01	706	2.57E-01	773	3.30E-02
439	2.96E-01	506	6.45E-01	573	8.35E-01	640	9.11E-01	707	2.49E-01	774	3.20E-02
440	3.24E-01	507	6.51E-01	574	8.37E-01	641	8.98E-01	708	2.44E-01	775	3.11E-02
441	3.52E-01	508	6.56E-01	575	8.39E-01	642	8.91E-01	709	2.37E-01	776	3.01E-02
442	3.89E-01	509	6.62E-01	576	8.42E-01	643	8.81E-01	710	2.30E-01	777	2.93E-02
443	4.23E-01	510	6.69E-01	577	8.44E-01	644	8.73E-01	711	2.23E-01	778	2.82E-02
444	4.69E-01	511	6.72E-01	578	8.44E-01	645	8.65E-01	712	2.17E-01	779	2.81E-02
445	5.20E-01	512	6.72E-01	579	8.48E-01	646	8.59E-01	713	2.11E-01	780	2.82E-02
446	5.69E-01	513	6.75E-01	580	8.48E-01	647	8.46E-01	714	2.05E-01	N/A	N/A

4.0 LM-79 Measurement and Test Results

4.2 Goniophotometer Test

Model No.	PIVOTLB @20W4000K	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 $25\pm1^{\circ}\text{C}$, 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	0.168	19.7	0.977
NON-WORST CASE	N/A	N/A	N/A	N/A	N/A

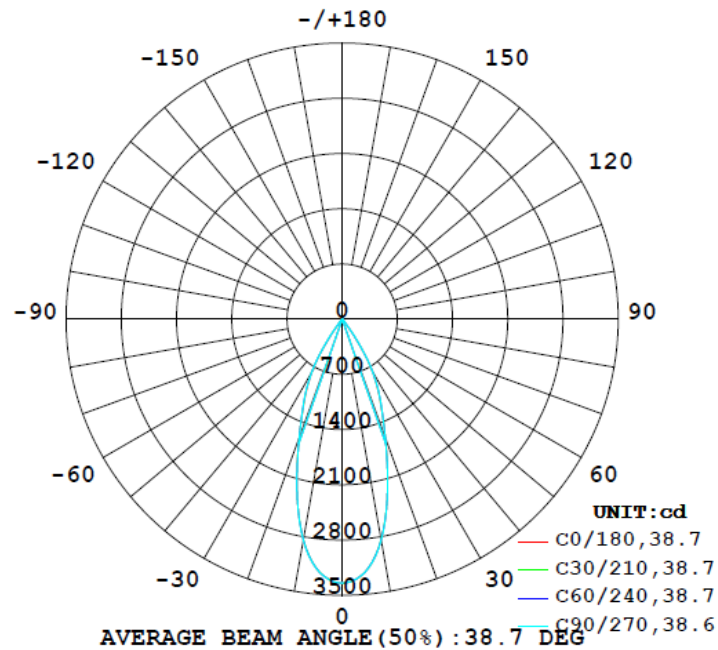
Test Result

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°)
1685	69.9	70.4	38.8	38.7	85.5	100.0%

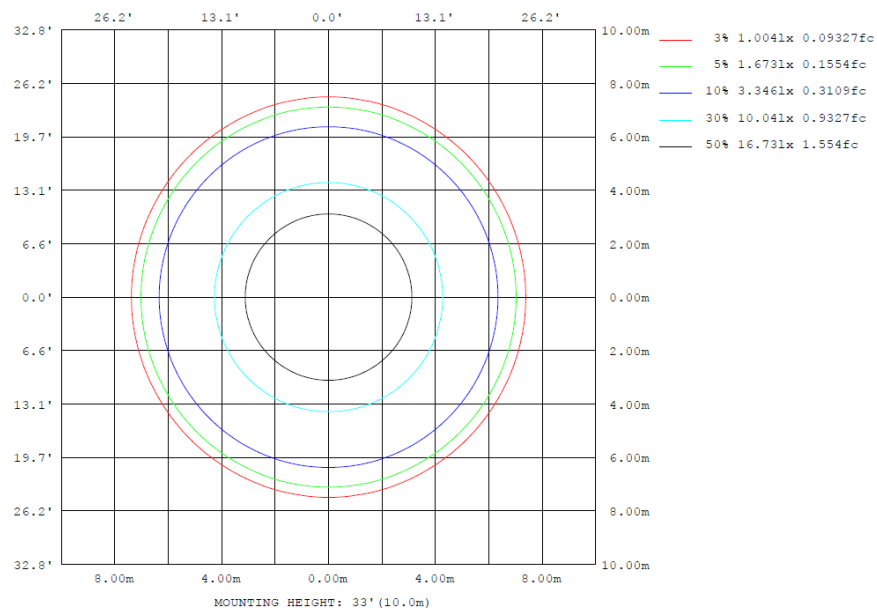
4.2 Goniophotometer Test

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	2843	2839	2847	2839	2843	2839	2847	2839	0- 10	295.8	295.8	17.5, 17.5
20	1601	1598	1595	1598	1601	1598	1595	1598	10- 20	610.5	906.3	53.8, 53.8
30	768.3	776.4	775.8	776.4	768.3	776.4	775.8	776.4	20- 30	525.7	1432	85, 85
40	52.86	63.67	71.18	63.67	52.86	63.67	71.18	63.67	30- 40	212.5	1644	97.6, 97.6
50	23.34	23.05	22.78	23.05	23.34	23.05	22.78	23.05	40- 50	24.43	1669	99, 99
60	6.437	6.236	6.235	6.236	6.437	6.236	6.235	6.236	50- 60	13.28	1682	99.8, 99.8
70	1.111	1.011	0.9967	1.011	1.111	1.011	0.9967	1.011	60- 70	2.981	1685	100, 100
80	0.0479	0.0512	0.0537	0.0512	0.0479	0.0512	0.0537	0.0512	70- 80	0.2132	1685	100, 100
90	0	0	0	0	0	0	0	0	80- 90	0.0264	1685	100, 100
100	0	0	0	0	0	0	0	0	90-100	0	1685	100, 100
110	0	0	0	0	0	0	0	0	100-110	0	1685	100, 100
120	0	0	0	0	0	0	0	0	110-120	0	1685	100, 100
130	0	0	0	0	0	0	0	0	120-130	0	1685	100, 100
140	0	0	0	0	0	0	0	0	130-140	0	1685	100, 100
150	0	0	0	0	0	0	0	0	140-150	0	1685	100, 100
160	0	0	0	0	0	0	0	0	150-160	0	1685	100, 100
170	0	0	0	0	0	0	0	0	160-170	0	1685	100, 100
180	0	0	0	0	0	0	0	0	170-180	0	1685	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Zonal (lm)		Total (lm)		Percent
0-10	295.78	0-10	295.78	17.55%
10-20	610.53	0-20	906.31	53.77%
20-30	525.73	0-30	1432.04	84.97%
30-40	212.46	0-40	1644.50	97.57%
40-50	24.43	0-50	1668.93	99.02%
50-60	13.28	0-60	1682.21	99.81%
60-70	2.98	0-70	1685.19	99.99%
70-80	0.21	0-80	1685.40	100.00%
80-90	0.03	0-90	1685.43	100.00%
90-100	0.00	0-100	1685.43	100.00%
100-110	0.00	0-110	1685.43	100.00%
110-120	0.00	0-120	1685.43	100.00%
120-130	0.00	0-130	1685.43	100.00%
130-140	0.00	0-140	1685.43	100.00%
140-150	0.00	0-150	1685.43	100.00%
150-160	0.00	0-160	1685.43	100.00%
160-170	0.00	0-170	1685.43	100.00%
170-180	0.00	0-180	1685.43	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	3346	3346	3345	3345	3345	3345	3345	3345	3345	3345	3345	3346	3346	3346	3345	3345	3345	3345	3345
5	3228	3225	3226	3225	3227	3227	3228	3227	3227	3225	3226	3225	3228	3225	3226	3225	3227	3227	3228
10	2843	2840	2838	2839	2841	2844	2847	2844	2841	2839	2838	2840	2843	2840	2838	2839	2841	2844	2847
15	2227	2225	2223	2221	2222	2224	2225	2224	2222	2221	2223	2225	2227	2225	2223	2221	2222	2224	2225
20	1601	1599	1600	1598	1600	1597	1595	1597	1600	1598	1600	1599	1601	1599	1600	1598	1600	1597	1595
25	1138	1137	1146	1148	1154	1154	1155	1154	1148	1146	1137	1138	1137	1146	1148	1154	1154	1155	1155
30	768	772	776	776	777	778	776	778	777	776	776	772	768	772	776	776	777	778	776
35	311	312	317	325	333	342	342	342	333	325	317	312	311	312	317	325	333	342	342
40	52.9	53.0	61.3	63.7	66.0	68.9	71.2	68.9	66.0	63.7	61.3	53.0	52.9	53.0	61.3	63.7	66.0	68.9	71.2
45	28.5	28.2	28.2	28.2	28.2	28.3	28.2	28.3	28.2	28.2	28.2	28.2	28.5	28.2	28.2	28.2	28.2	28.3	28.2
50	23.3	23.2	23.1	23.1	23.0	22.9	22.9	23.0	23.1	23.1	23.2	23.3	23.2	23.1	23.1	23.0	22.9	22.9	22.8
55	15.4	15.2	15.2	15.1	15.1	15.1	15.1	15.1	15.1	15.2	15.2	15.4	15.2	15.2	15.1	15.1	15.1	15.1	15.1
60	6.44	6.37	6.23	6.24	6.22	6.29	6.23	6.29	6.22	6.24	6.23	6.37	6.44	6.37	6.23	6.24	6.22	6.29	6.23
65	2.96	2.83	2.76	2.73	2.75	2.76	2.71	2.76	2.75	2.73	2.76	2.83	2.96	2.83	2.76	2.73	2.75	2.76	2.71
70	1.11	1.01	0.98	1.01	1.03	1.03	1.00	1.03	1.03	1.01	0.98	1.01	1.11	1.01	0.98	1.01	1.03	1.03	1.00
75	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10
80	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
85	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
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	3345	3345	3345	3345	3346														
5	3227	3227	3225	3226	3225														
10	2844	2841	2839	2838	2840														
15	2224	2222	2221	2223	2225														
20	1597	1600	1598	1600	1599														
25	1154	1154	1148	1146	1137														
30	778	777	776	776	772														
35	342	333	325	317	312														
40	68.9	66.0	63.7	61.3	53.0														
45	28.3	28.2	28.2	28.2	28.2														
50	22.9	23.0	23.1	23.1	23.2														
55	15.1	15.1	15.1	15.2	15.2														
60	6.29	6.22	6.24	6.23	6.37														
65	2.76	2.75	2.73	2.76	2.83														
70	1.03	1.03	1.01	0.98	1.01														
75	0.10	0.10	0.09	0.09	0.09														
80	0.05	0.05	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.	PIVOTLB @20W4000K	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	0.168	19.7	0.977	12.82

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*****