

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		1267
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Standard	Premium	85.6
		95	110	
Power (Input Wattage) (W) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Worst Case		14.8
Total Harmonic Distortion (A%) (THD & PF – Section 4.3)	ANSI C82.77:2002 ANSI C82-77-10:2020	20.00%	120V	12.68
Power Factor (THD & PF – Section 4.3)	ANSI C82.77:2002 ANSI C82-77-10:2020	0.9	120V	0.965
Allowable CCTs* (K) (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19	7 steps	3045±175	2983
		4 steps	3045±100	
Chromaticity (D _{uv}) (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19	7 steps	0.0001±0.0060	0.0002
		4 steps	0.0001±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		75
Minimum Rf (Integrating Sphere – Section 4.1)	ANSI/IES TM-30-24	≥70		93
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		0.128
(Goniophotometer – Section 4.2)		Non-Worst Case		N/A
Power (Input Wattage – W)				
(Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Worst Case		14.8
(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 @15W3000K	-	250903026-S1
2	Goniophotometer Test	2025-12-09	PIVOTLB @15W3000K	-	250903026-S1
3	THD and PF Test	2025-12-09	PIVOTLB @15W3000K	-	250903026-S1

Remark (If any):

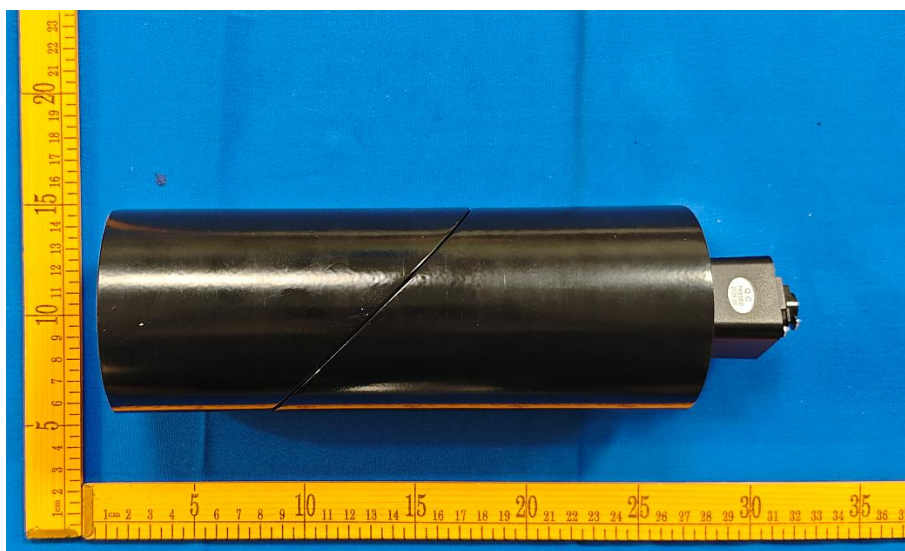
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3. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the U.S. Government.

3.0 Product Description

Luminaire Description: Model No. PIVOTLB @15W3000K, 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 @15W3000K	Sample ID	250903026-S1
Operate time (Min.)	10	Stabilization time (Min.)	60
Temperature (°C)	25.4	Humidity (%RH)	41.0

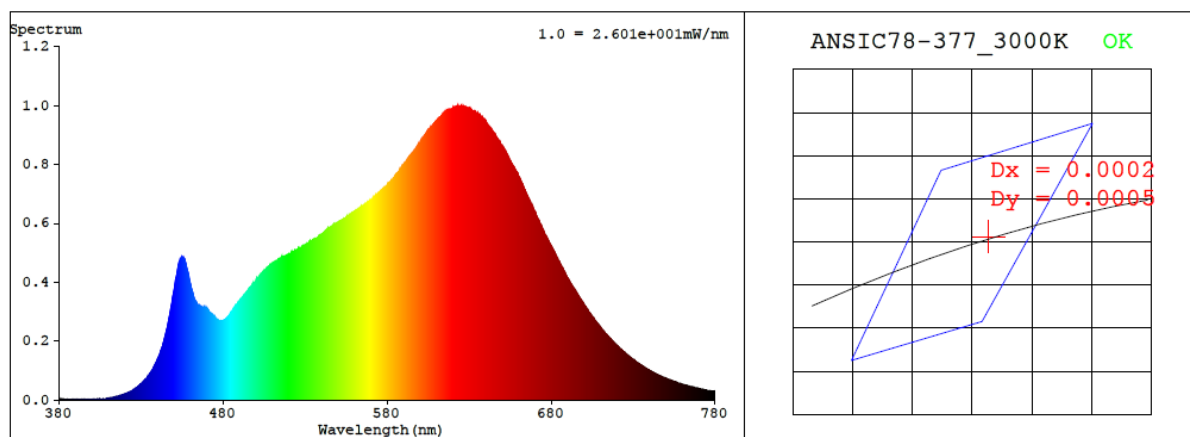
Test Method
<p>The Samples were tested according to the ANSI/IES LM-79:2019.</p> <p>Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at 25±1°C.</p> <p>The sample measurements were made 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	0.128	14.8	0.965

CCT (K)	CRI	R9	Duv	SDCM	Rf	Rg	IES Rcs,h1
2983	96.2	75	0.0002	2.4	93	98	-3%

4.1 Integrating Sphere Test



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4384$ $y = 0.4050$ / $u' = 0.2511$ $v' = 0.5220$ ($duv=1.50e-04$)

CCT= 2983K Prcp WL: $L_d=582.8nm$ Purity=53.1%

Peak WL: $L_p=625nm$ FWHM: $=159.5nm$ Ratio: $R=25.0\%$ $G=71.7\%$ $B=3.3\%$

Render Index: $R_a = 96.2$ $AvgR = 94.9$ $TM30:R_f=94$ $R_g=99$

EEL: 0.16183 A+

$R_1=98$ $R_2=100$ $R_3=99$ $R_4=97$ $R_5=98$ $R_6=96$ $R_7=94$

$R_8=88$ $R_9=75$ $R_{10}=100$ $R_{11}=100$ $R_{12}=86$ $R_{13}=99$ $R_{14}=99$ $R_{15}=94$

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

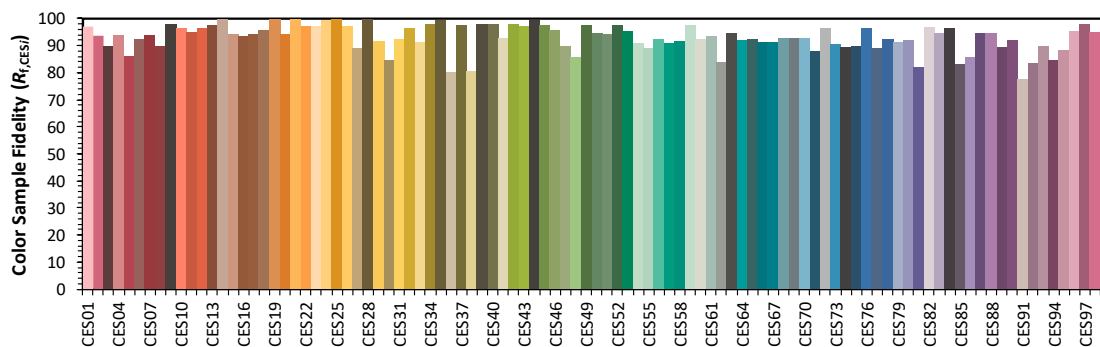
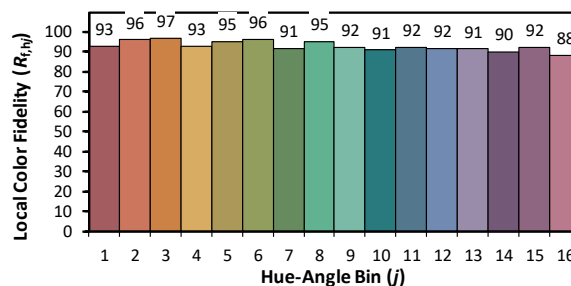
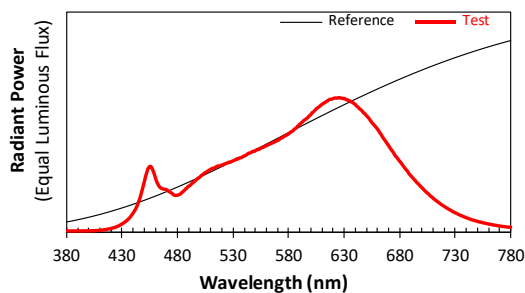
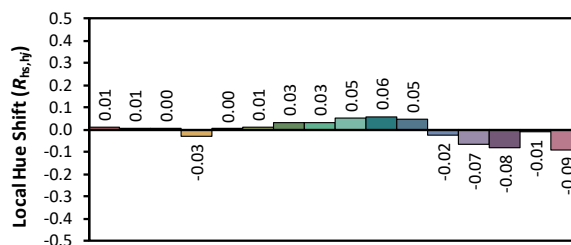
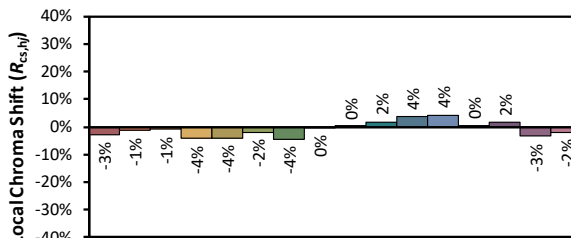
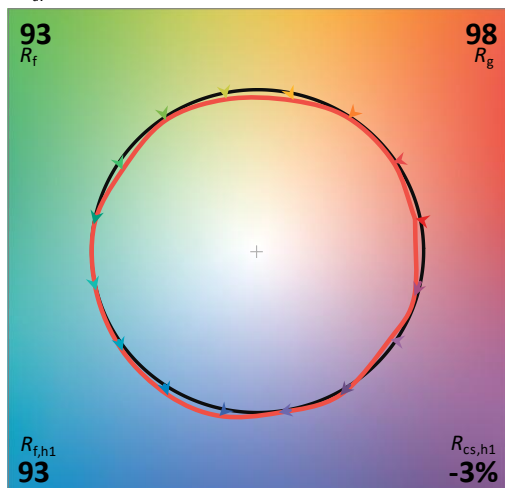
Model: PIVOTLB @15W3000K

Notes: N/A

Other: N/A

CCT: 2982 K
 D_{uv} : 0.0001

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	3.10E-03	447	2.78E-01	514	4.79E-01	581	7.36E-01	648	8.81E-01	715	2.15E-01
381	2.30E-03	448	3.08E-01	515	4.82E-01	582	7.41E-01	649	8.75E-01	716	2.09E-01
382	1.60E-03	449	3.41E-01	516	4.87E-01	583	7.47E-01	650	8.63E-01	717	2.03E-01
383	7.00E-04	450	3.71E-01	517	4.88E-01	584	7.51E-01	651	8.56E-01	718	1.97E-01
384	1.70E-03	451	4.08E-01	518	4.89E-01	585	7.62E-01	652	8.47E-01	719	1.92E-01
385	2.40E-03	452	4.35E-01	519	4.93E-01	586	7.68E-01	653	8.35E-01	720	1.86E-01
386	1.40E-03	453	4.62E-01	520	4.95E-01	587	7.74E-01	654	8.23E-01	721	1.81E-01
387	1.30E-03	454	4.76E-01	521	4.97E-01	588	7.84E-01	655	8.12E-01	722	1.75E-01
388	2.20E-03	455	4.85E-01	522	5.03E-01	589	7.92E-01	656	8.03E-01	723	1.70E-01
389	1.90E-03	456	4.81E-01	523	5.04E-01	590	7.99E-01	657	7.93E-01	724	1.65E-01
390	1.70E-03	457	4.69E-01	524	5.08E-01	591	8.06E-01	658	7.84E-01	725	1.61E-01
391	1.80E-03	458	4.47E-01	525	5.11E-01	592	8.14E-01	659	7.74E-01	726	1.56E-01
392	1.90E-03	459	4.25E-01	526	5.16E-01	593	8.22E-01	660	7.63E-01	727	1.51E-01
393	1.10E-03	460	3.97E-01	527	5.14E-01	594	8.30E-01	661	7.52E-01	728	1.46E-01
394	1.60E-03	461	3.72E-01	528	5.20E-01	595	8.35E-01	662	7.38E-01	729	1.42E-01
395	2.50E-03	462	3.55E-01	529	5.23E-01	596	8.42E-01	663	7.26E-01	730	1.38E-01
396	2.20E-03	463	3.39E-01	530	5.27E-01	597	8.49E-01	664	7.12E-01	731	1.34E-01
397	2.60E-03	464	3.29E-01	531	5.30E-01	598	8.58E-01	665	6.99E-01	732	1.30E-01
398	2.10E-03	465	3.22E-01	532	5.33E-01	599	8.66E-01	666	6.88E-01	733	1.26E-01
399	2.50E-03	466	3.18E-01	533	5.41E-01	600	8.73E-01	667	6.76E-01	734	1.22E-01
400	2.20E-03	467	3.15E-01	534	5.39E-01	601	8.85E-01	668	6.64E-01	735	1.18E-01
401	2.80E-03	468	3.14E-01	535	5.44E-01	602	8.90E-01	669	6.51E-01	736	1.15E-01
402	3.20E-03	469	3.13E-01	536	5.48E-01	603	8.98E-01	670	6.40E-01	737	1.11E-01
403	3.80E-03	470	3.10E-01	537	5.49E-01	604	9.07E-01	671	6.27E-01	738	1.08E-01
404	3.40E-03	471	3.04E-01	538	5.53E-01	605	9.17E-01	672	6.14E-01	739	1.04E-01
405	3.80E-03	472	2.97E-01	539	5.60E-01	606	9.22E-01	673	6.03E-01	740	1.00E-01
406	4.40E-03	473	2.93E-01	540	5.61E-01	607	9.28E-01	674	5.92E-01	741	9.78E-02
407	4.90E-03	474	2.87E-01	541	5.66E-01	608	9.34E-01	675	5.79E-01	742	9.47E-02
408	5.10E-03	475	2.83E-01	542	5.71E-01	609	9.42E-01	676	5.65E-01	743	9.14E-02
409	5.70E-03	476	2.74E-01	543	5.78E-01	610	9.49E-01	677	5.56E-01	744	8.85E-02
410	6.50E-03	477	2.70E-01	544	5.83E-01	611	9.54E-01	678	5.45E-01	745	8.54E-02
411	7.40E-03	478	2.67E-01	545	5.85E-01	612	9.59E-01	679	5.34E-01	746	8.30E-02
412	8.40E-03	479	2.68E-01	546	5.88E-01	613	9.64E-01	680	5.23E-01	747	8.07E-02
413	9.00E-03	480	2.69E-01	547	5.94E-01	614	9.71E-01	681	5.13E-01	748	7.81E-02
414	1.08E-02	481	2.72E-01	548	5.98E-01	615	9.74E-01	682	5.02E-01	749	7.59E-02
415	1.20E-02	482	2.76E-01	549	5.97E-01	616	9.81E-01	683	4.90E-01	750	7.30E-02
416	1.33E-02	483	2.83E-01	550	6.02E-01	617	9.86E-01	684	4.79E-01	751	7.14E-02
417	1.55E-02	484	2.91E-01	551	6.07E-01	618	9.86E-01	685	4.69E-01	752	6.91E-02
418	1.69E-02	485	2.98E-01	552	6.10E-01	619	9.88E-01	686	4.57E-01	753	6.73E-02
419	1.80E-02	486	3.05E-01	553	6.12E-01	620	9.92E-01	687	4.49E-01	754	6.52E-02
420	2.08E-02	487	3.15E-01	554	6.16E-01	621	9.95E-01	688	4.36E-01	755	6.31E-02
421	2.26E-02	488	3.22E-01	555	6.20E-01	622	9.95E-01	689	4.24E-01	756	6.13E-02
422	2.49E-02	489	3.31E-01	556	6.26E-01	623	9.96E-01	690	4.15E-01	757	5.89E-02
423	2.75E-02	490	3.37E-01	557	6.27E-01	624	9.95E-01	691	4.06E-01	758	5.74E-02
424	3.00E-02	491	3.42E-01	558	6.32E-01	625	9.98E-01	692	3.97E-01	759	5.55E-02
425	3.37E-02	492	3.50E-01	559	6.37E-01	626	9.98E-01	693	3.87E-01	760	5.34E-02
426	3.68E-02	493	3.59E-01	560	6.40E-01	627	9.94E-01	694	3.79E-01	761	5.16E-02
427	4.05E-02	494	3.64E-01	561	6.44E-01	628	9.95E-01	695	3.68E-01	762	5.06E-02
428	4.54E-02	495	3.71E-01	562	6.48E-01	629	9.92E-01	696	3.59E-01	763	4.94E-02
429	5.05E-02	496	3.79E-01	563	6.52E-01	630	9.92E-01	697	3.52E-01	764	4.71E-02
430	5.53E-02	497	3.85E-01	564	6.55E-01	631	9.89E-01	698	3.42E-01	765	4.56E-02
431	6.01E-02	498	3.95E-01	565	6.59E-01	632	9.82E-01	699	3.34E-01	766	4.46E-02
432	6.64E-02	499	3.99E-01	566	6.62E-01	633	9.82E-01	700	3.25E-01	767	4.35E-02
433	7.17E-02	500	4.05E-01	567	6.66E-01	634	9.78E-01	701	3.17E-01	768	4.15E-02
434	7.90E-02	501	4.14E-01	568	6.71E-01	635	9.75E-01	702	3.08E-01	769	4.01E-02
435	8.64E-02	502	4.20E-01	569	6.74E-01	636	9.69E-01	703	2.99E-01	770	3.90E-02
436	9.46E-02	503	4.26E-01	570	6.79E-01	637	9.65E-01	704	2.92E-01	771	3.73E-02
437	1.03E-01	504	4.33E-01	571	6.82E-01	638	9.60E-01	705	2.84E-01	772	3.62E-02
438	1.15E-01	505	4.39E-01	572	6.89E-01	639	9.53E-01	706	2.78E-01	773	3.52E-02
439	1.26E-01	506	4.43E-01	573	6.96E-01	640	9.48E-01	707	2.69E-01	774	3.43E-02
440	1.38E-01	507	4.50E-01	574	6.99E-01	641	9.37E-01	708	2.62E-01	775	3.31E-02
441	1.50E-01	508	4.53E-01	575	7.03E-01	642	9.31E-01	709	2.55E-01	776	3.20E-02
442	1.65E-01	509	4.60E-01	576	7.10E-01	643	9.23E-01	710	2.48E-01	777	3.12E-02
443	1.82E-01	510	4.64E-01	577	7.14E-01	644	9.15E-01	711	2.40E-01	778	2.99E-02
444	2.02E-01	511	4.68E-01	578	7.18E-01	645	9.08E-01	712	2.34E-01	779	2.98E-02
445	2.25E-01	512	4.71E-01	579	7.23E-01	646	9.01E-01	713	2.27E-01	780	2.99E-02
446	2.49E-01	513	4.73E-01	580	7.29E-01	647	8.90E-01	714	2.22E-01	N/A	N/A

4.0 LM-79 Measurement and Test Results

4.2 Goniophotometer Test

Model No.	PIVOTLB @15W3000K	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	0.128	14.8	0.965
NON-WORST CASE	N/A	N/A	N/A	N/A	N/A

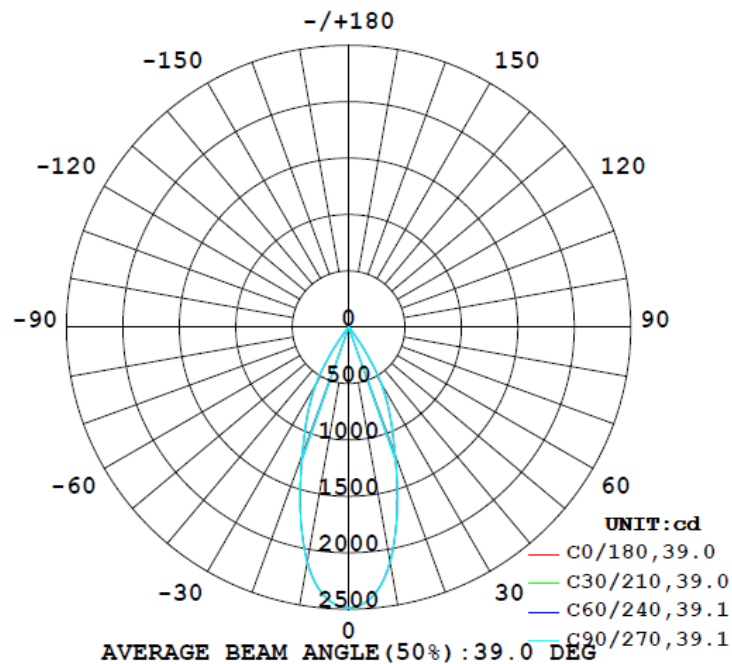
Test Result

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°)
1267	70.3	70.5	39.0	39.2	85.6	100.0%

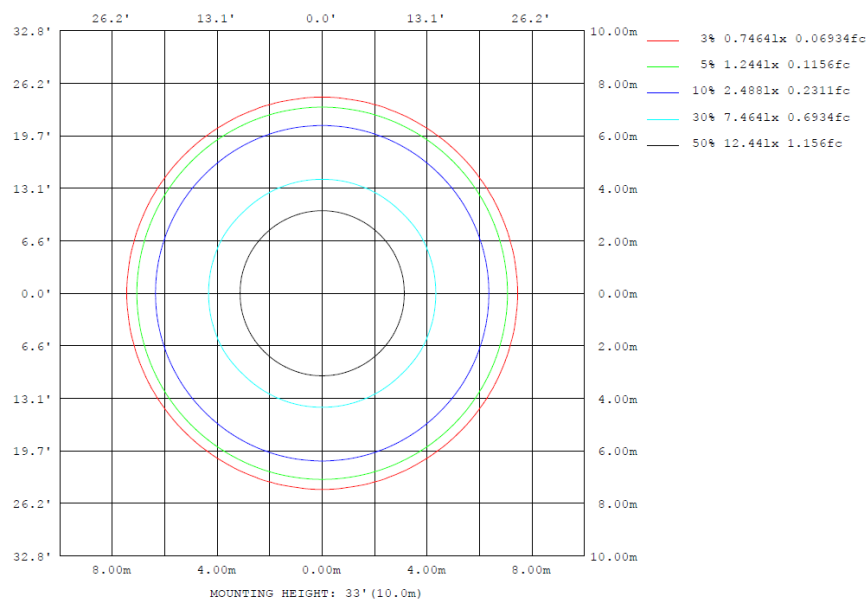
4.2 Goniophotometer Test

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	%lum, lamp
10	2119	2112	2115	2112	2119	2112	2115	2112	0- 10	220.0	220.0	17.4,17.4
20	1201	1205	1209	1205	1201	1205	1209	1205	10- 20	456.9	676.9	53.4,53.4
30	574.7	582.2	588.4	582.2	574.7	582.2	588.4	582.2	20- 30	398.1	1075	84.8,84.8
40	40.58	40.57	42.98	40.57	40.58	40.57	42.98	40.57	30- 40	161.6	1237	97.6,97.6
50	17.51	17.30	17.11	17.30	17.51	17.30	17.11	17.30	40- 50	18.10	1255	99,99
60	4.811	4.653	4.644	4.653	4.811	4.653	4.644	4.653	50- 60	9.931	1265	99.8,99.8
70	0.8217	0.7520	0.7407	0.7520	0.8217	0.7520	0.7407	0.7520	60- 70	2.226	1267	100,100
80	0.0364	0.0374	0.0381	0.0374	0.0364	0.0374	0.0381	0.0374	70- 80	0.1567	1267	100,100
90	0	0	0	0	0	0	0	0	80- 90	0.0189	1267	100,100
100	0	0	0	0	0	0	0	0	90-100	0	1267	100,100
110	0	0	0	0	0	0	0	0	100-110	0	1267	100,100
120	0	0	0	0	0	0	0	0	110-120	0	1267	100,100
130	0	0	0	0	0	0	0	0	120-130	0	1267	100,100
140	0	0	0	0	0	0	0	0	130-140	0	1267	100,100
150	0	0	0	0	0	0	0	0	140-150	0	1267	100,100
160	0	0	0	0	0	0	0	0	150-160	0	1267	100,100
170	0	0	0	0	0	0	0	0	160-170	0	1267	100,100
180	0	0	0	0	0	0	0	0	170-180	0	1267	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Zonal (lm)		Total (lm)		Percent
0-10	220.00	0-10	220.00	17.36%
10-20	456.88	0-20	676.88	53.43%
20-30	398.06	0-30	1074.94	84.84%
30-40	161.58	0-40	1236.52	97.60%
40-50	18.10	0-50	1254.62	99.03%
50-60	9.93	0-60	1264.55	99.81%
60-70	2.23	0-70	1266.78	99.99%
70-80	0.16	0-80	1266.94	100.00%
80-90	0.02	0-90	1266.96	100.00%
90-100	0.00	0-100	1266.96	100.00%
100-110	0.00	0-110	1266.96	100.00%
110-120	0.00	0-120	1266.96	100.00%
120-130	0.00	0-130	1266.96	100.00%
130-140	0.00	0-140	1266.96	100.00%
140-150	0.00	0-150	1266.96	100.00%
150-160	0.00	0-160	1266.96	100.00%
160-170	0.00	0-170	1266.96	100.00%
170-180	0.00	0-180	1266.96	100.00%

4.2 Goniophotometer Test

Luminous Distribution Intensity Data

Table--1

UNIT: cd

C (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	2488	2488	2488	2489	2489	2489	2489	2489	2489	2489	2488	2488	2488	2488	2488	2489	2489	2489	2489
5	2403	2402	2400	2399	2398	2398	2399	2398	2398	2399	2400	2402	2403	2402	2400	2399	2398	2398	2399
10	2119	2116	2115	2112	2111	2113	2115	2113	2111	2112	2115	2116	2119	2116	2115	2112	2111	2113	2115
15	1662	1663	1664	1662	1663	1665	1667	1665	1663	1662	1664	1663	1662	1663	1664	1662	1663	1665	1667
20	1201	1200	1204	1205	1208	1209	1209	1209	1208	1205	1204	1200	1201	1200	1204	1205	1208	1209	1209
25	864	863	869	870	876	879	878	879	876	870	869	863	864	863	869	870	876	879	878
30	575	576	580	582	585	588	588	588	585	582	580	576	575	576	580	582	585	588	588
35	243	242	246	248	248	249	249	249	248	248	246	242	243	242	246	248	248	249	249
40	40.6	40.9	40.7	40.6	41.2	41.7	43.0	41.7	41.2	40.6	40.7	40.9	40.6	40.9	40.7	40.6	41.2	41.7	43.0
45	21.4	21.2	21.2	21.1	21.1	21.2	21.1	21.2	21.1	21.1	21.2	21.2	21.4	21.2	21.2	21.1	21.1	21.2	21.1
50	17.5	17.4	17.4	17.3	17.2	17.2	17.1	17.2	17.2	17.3	17.4	17.4	17.5	17.4	17.4	17.3	17.2	17.2	17.1
55	11.5	11.4	11.4	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.4	11.4	11.5	11.4	11.4	11.3	11.3	11.3	11.3
60	4.81	4.75	4.66	4.65	4.63	4.68	4.64	4.68	4.63	4.65	4.66	4.75	4.81	4.75	4.66	4.65	4.63	4.68	4.64
65	2.21	2.11	2.07	2.04	2.06	2.06	2.02	2.06	2.06	2.04	2.07	2.11	2.21	2.11	2.07	2.04	2.06	2.06	2.02
70	0.82	0.75	0.74	0.75	0.76	0.76	0.74	0.76	0.76	0.75	0.74	0.75	0.82	0.75	0.74	0.75	0.76	0.76	0.74
75	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
80	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
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)	285	300	315	330	345														
0	2489	2489	2489	2488	2488														
5	2398	2398	2399	2400	2402														
10	2113	2111	2112	2115	2116														
15	1665	1663	1662	1664	1663														
20	1209	1208	1205	1204	1200														
25	879	876	870	869	863														
30	588	585	582	580	576														
35	249	248	248	246	242														
40	41.7	41.2	40.6	40.7	40.9														
45	21.2	21.1	21.1	21.2	21.2														
50	17.2	17.2	17.3	17.4	17.4														
55	11.3	11.3	11.3	11.4	11.4														
60	4.68	4.63	4.65	4.66	4.75														
65	2.06	2.06	2.04	2.07	2.11														
70	0.76	0.76	0.75	0.74	0.75														
75	0.07	0.07	0.07	0.07	0.07														
80	0.04	0.04	0.04	0.04	0.04														
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 @15W3000K	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	0.128	14.8	0.965	12.68

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*******