

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		1587
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Standard	Premium	81.4
		95	110	
Power (Input Wattage) (W) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Worst Case		19.5
Total Harmonic Distortion (A%) (THD & PF – Section 4.3)	ANSI C82.77:2002 ANSI C82-77-10:2020	20.00%	120V	12.91
Power Factor (THD & PF – Section 4.3)	ANSI C82.77:2002 ANSI C82-77-10:2020	0.9	120V	0.976
Allowable CCTs* (K) (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19	7 steps	3045±175	2939
		4 steps	3045±100	
Chromaticity (D _{uv}) (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19	7 steps	0.0001±0.0060	0.0004
		4 steps	0.0001±0.0033	
Minimum CRI (Integrating Sphere – Section 4.1)	ANSI/IES LM-79 19 CIE13.3-1995	≥80		96.1
Minimum R9 (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19 CIE13.3-1995	≥0		73
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		0.167
(Goniophotometer – Section 4.2)		Non-Worst Case		N/A
Power (Input Wattage – W)				
(Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Worst Case		19.5
(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	2025-12-09	PIVOTLB @20W3000K	-	250903026-S1
2	Goniophotometer Test	2025-12-09	PIVOTLB @20W3000K	-	250903026-S1
3	THD and PF Test	2025-12-09	PIVOTLB @20W3000K	-	250903026-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. PIVOTLB @20W3000K, 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 @20W3000K	Sample ID	250903026-S1
Operate time (Min.)	10	Stabilization time (Min.)	60
Temperature (°C)	25.4	Humidity (%RH)	41.0

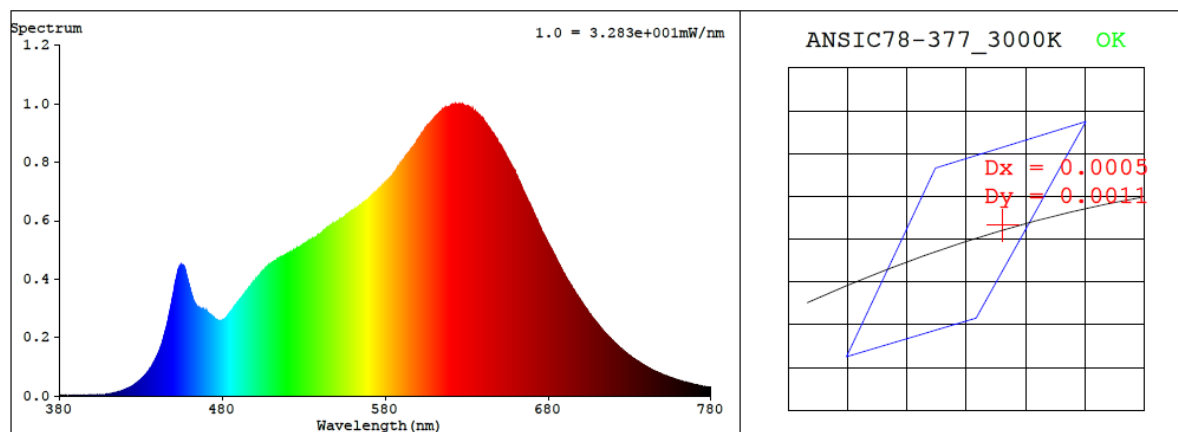
Test Method
<p>The Samples were tested according to the ANSI/IES LM-79:2019.</p> <p>Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at 25±1°C.</p> <p>The sample measurements were made 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	0.167	19.5	0.976

CCT (K)	CRI	R9	Duv	SDCM	Rf	Rg	IES Rcs,h1
2939	96.1	73	0.0004	4.2	93	98	-3%

4.1 Integrating Sphere Test



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4419$ $y = 0.4066$ / $u' = 0.2527$ $v' = 0.5231$ ($duv=3.52e-04$)

CCT= 2939K Prcp WL: $L_d=583.0nm$ Purity=54.7%

Peak WL: $L_p=623nm$ FWHM: $=156.6nm$ Ratio: $R=25.2\%$ $G=71.6\%$ $B=3.2\%$

Render Index: $R_a = 96.1$ AvgR = 94.6 TM30: $R_f=94$ $R_g=99$

EEL: 0.17157 A

R1 =98 R2 =100 R3 =99 R4 =97 R5 =97 R6 =97 R7 =93

R8 =88 R9 =73 R10=99 R11=100 R12=87 R13=99 R14=99 R15=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

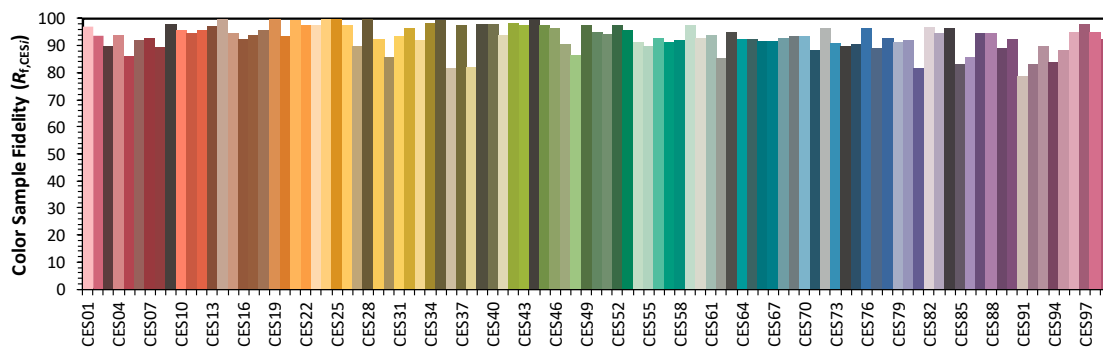
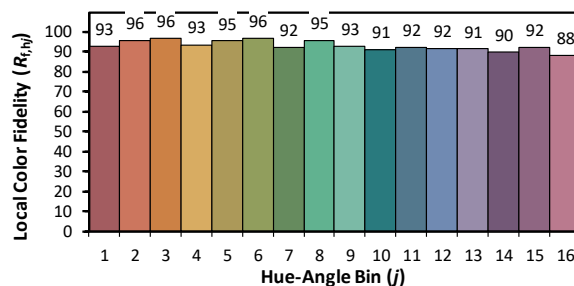
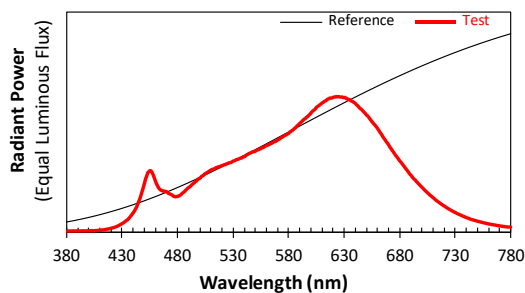
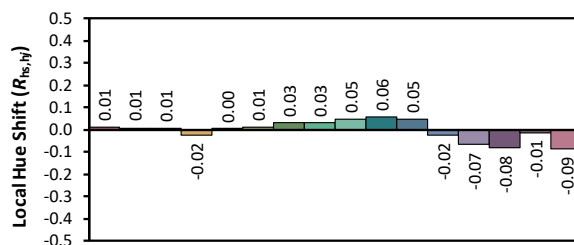
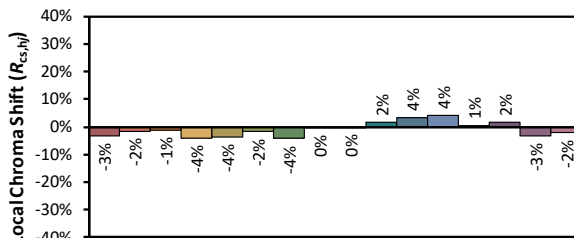
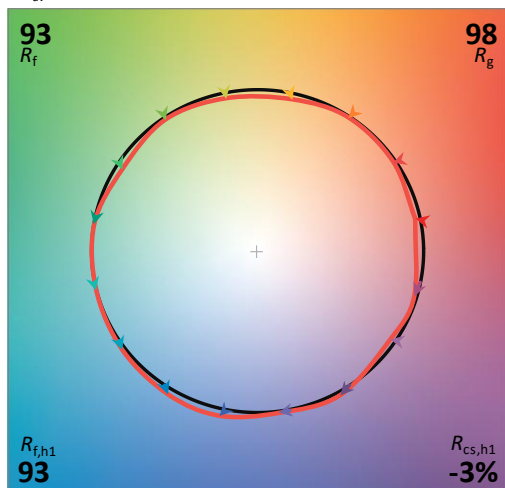
Model: PIVOTLB @20W3000K

Notes: N/A

Other: N/A

CCT: 2938 K
 D_{uv} : 0.0003

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	1.50E-03	447	2.70E-01	514	4.69E-01	581	7.35E-01	648	8.82E-01	715	2.16E-01
381	1.70E-03	448	2.97E-01	515	4.72E-01	582	7.41E-01	649	8.74E-01	716	2.10E-01
382	1.50E-03	449	3.25E-01	516	4.76E-01	583	7.47E-01	650	8.62E-01	717	2.04E-01
383	1.10E-03	450	3.54E-01	517	4.78E-01	584	7.52E-01	651	8.57E-01	718	1.98E-01
384	1.70E-03	451	3.86E-01	518	4.79E-01	585	7.61E-01	652	8.47E-01	719	1.93E-01
385	8.00E-04	452	4.08E-01	519	4.84E-01	586	7.67E-01	653	8.35E-01	720	1.88E-01
386	2.40E-03	453	4.32E-01	520	4.87E-01	587	7.76E-01	654	8.24E-01	721	1.82E-01
387	1.30E-03	454	4.41E-01	521	4.89E-01	588	7.85E-01	655	8.13E-01	722	1.76E-01
388	1.70E-03	455	4.49E-01	522	4.94E-01	589	7.92E-01	656	8.03E-01	723	1.71E-01
389	2.20E-03	456	4.46E-01	523	4.95E-01	590	8.01E-01	657	7.93E-01	724	1.66E-01
390	2.20E-03	457	4.34E-01	524	4.99E-01	591	8.07E-01	658	7.84E-01	725	1.62E-01
391	1.30E-03	458	4.15E-01	525	5.02E-01	592	8.16E-01	659	7.74E-01	726	1.56E-01
392	1.40E-03	459	3.93E-01	526	5.07E-01	593	8.23E-01	660	7.63E-01	727	1.51E-01
393	2.30E-03	460	3.70E-01	527	5.07E-01	594	8.31E-01	661	7.51E-01	728	1.47E-01
394	1.80E-03	461	3.50E-01	528	5.11E-01	595	8.36E-01	662	7.37E-01	729	1.43E-01
395	2.90E-03	462	3.34E-01	529	5.14E-01	596	8.45E-01	663	7.26E-01	730	1.39E-01
396	1.80E-03	463	3.19E-01	530	5.20E-01	597	8.50E-01	664	7.13E-01	731	1.35E-01
397	2.40E-03	464	3.10E-01	531	5.22E-01	598	8.59E-01	665	6.99E-01	732	1.30E-01
398	2.20E-03	465	3.03E-01	532	5.26E-01	599	8.67E-01	666	6.87E-01	733	1.27E-01
399	2.60E-03	466	3.01E-01	533	5.32E-01	600	8.77E-01	667	6.76E-01	734	1.23E-01
400	2.60E-03	467	2.97E-01	534	5.33E-01	601	8.86E-01	668	6.63E-01	735	1.19E-01
401	3.00E-03	468	2.98E-01	535	5.36E-01	602	8.94E-01	669	6.53E-01	736	1.16E-01
402	3.40E-03	469	2.94E-01	536	5.40E-01	603	9.00E-01	670	6.41E-01	737	1.11E-01
403	3.90E-03	470	2.93E-01	537	5.43E-01	604	9.07E-01	671	6.26E-01	738	1.08E-01
404	4.00E-03	471	2.85E-01	538	5.45E-01	605	9.18E-01	672	6.15E-01	739	1.05E-01
405	3.90E-03	472	2.79E-01	539	5.53E-01	606	9.25E-01	673	6.03E-01	740	1.01E-01
406	4.80E-03	473	2.77E-01	540	5.53E-01	607	9.31E-01	674	5.91E-01	741	9.79E-02
407	5.20E-03	474	2.72E-01	541	5.58E-01	608	9.37E-01	675	5.79E-01	742	9.53E-02
408	5.40E-03	475	2.68E-01	542	5.65E-01	609	9.43E-01	676	5.67E-01	743	9.20E-02
409	6.60E-03	476	2.61E-01	543	5.70E-01	610	9.51E-01	677	5.55E-01	744	8.87E-02
410	7.00E-03	477	2.58E-01	544	5.75E-01	611	9.55E-01	678	5.46E-01	745	8.61E-02
411	8.00E-03	478	2.55E-01	545	5.78E-01	612	9.63E-01	679	5.34E-01	746	8.36E-02
412	9.10E-03	479	2.57E-01	546	5.83E-01	613	9.66E-01	680	5.23E-01	747	8.14E-02
413	9.90E-03	480	2.59E-01	547	5.86E-01	614	9.72E-01	681	5.13E-01	748	7.88E-02
414	1.12E-02	481	2.61E-01	548	5.90E-01	615	9.79E-01	682	5.03E-01	749	7.69E-02
415	1.27E-02	482	2.66E-01	549	5.90E-01	616	9.82E-01	683	4.91E-01	750	7.41E-02
416	1.43E-02	483	2.72E-01	550	5.94E-01	617	9.88E-01	684	4.81E-01	751	7.24E-02
417	1.60E-02	484	2.81E-01	551	5.99E-01	618	9.88E-01	685	4.70E-01	752	7.00E-02
418	1.71E-02	485	2.87E-01	552	6.03E-01	619	9.89E-01	686	4.58E-01	753	6.80E-02
419	1.96E-02	486	2.93E-01	553	6.06E-01	620	9.93E-01	687	4.48E-01	754	6.59E-02
420	2.17E-02	487	3.02E-01	554	6.10E-01	621	9.95E-01	688	4.37E-01	755	6.33E-02
421	2.41E-02	488	3.10E-01	555	6.13E-01	622	9.96E-01	689	4.25E-01	756	6.18E-02
422	2.60E-02	489	3.18E-01	556	6.19E-01	623	9.99E-01	690	4.17E-01	757	5.99E-02
423	2.87E-02	490	3.24E-01	557	6.21E-01	624	9.97E-01	691	4.06E-01	758	5.79E-02
424	3.15E-02	491	3.30E-01	558	6.25E-01	625	9.99E-01	692	3.96E-01	759	5.59E-02
425	3.51E-02	492	3.38E-01	559	6.31E-01	626	9.97E-01	693	3.87E-01	760	5.42E-02
426	3.86E-02	493	3.47E-01	560	6.35E-01	627	9.95E-01	694	3.80E-01	761	5.23E-02
427	4.23E-02	494	3.53E-01	561	6.38E-01	628	9.96E-01	695	3.69E-01	762	5.13E-02
428	4.77E-02	495	3.59E-01	562	6.43E-01	629	9.92E-01	696	3.61E-01	763	4.91E-02
429	5.23E-02	496	3.68E-01	563	6.46E-01	630	9.92E-01	697	3.52E-01	764	4.85E-02
430	5.69E-02	497	3.73E-01	564	6.50E-01	631	9.91E-01	698	3.44E-01	765	4.69E-02
431	6.18E-02	498	3.84E-01	565	6.54E-01	632	9.83E-01	699	3.35E-01	766	4.54E-02
432	6.79E-02	499	3.89E-01	566	6.59E-01	633	9.81E-01	700	3.27E-01	767	4.37E-02
433	7.40E-02	500	3.92E-01	567	6.64E-01	634	9.78E-01	701	3.18E-01	768	4.21E-02
434	8.06E-02	501	4.02E-01	568	6.66E-01	635	9.76E-01	702	3.09E-01	769	4.05E-02
435	8.62E-02	502	4.09E-01	569	6.70E-01	636	9.68E-01	703	3.01E-01	770	3.92E-02
436	9.53E-02	503	4.13E-01	570	6.77E-01	637	9.65E-01	704	2.94E-01	771	3.85E-02
437	1.05E-01	504	4.22E-01	571	6.80E-01	638	9.60E-01	705	2.85E-01	772	3.71E-02
438	1.15E-01	505	4.29E-01	572	6.86E-01	639	9.53E-01	706	2.79E-01	773	3.58E-02
439	1.27E-01	506	4.32E-01	573	6.93E-01	640	9.49E-01	707	2.69E-01	774	3.48E-02
440	1.38E-01	507	4.37E-01	574	6.97E-01	641	9.38E-01	708	2.64E-01	775	3.33E-02
441	1.50E-01	508	4.43E-01	575	7.02E-01	642	9.32E-01	709	2.56E-01	776	3.28E-02
442	1.65E-01	509	4.49E-01	576	7.08E-01	643	9.23E-01	710	2.50E-01	777	3.16E-02
443	1.80E-01	510	4.54E-01	577	7.13E-01	644	9.13E-01	711	2.42E-01	778	3.08E-02
444	2.01E-01	511	4.58E-01	578	7.16E-01	645	9.07E-01	712	2.35E-01	779	3.07E-02
445	2.22E-01	512	4.61E-01	579	7.22E-01	646	9.00E-01	713	2.28E-01	780	3.07E-02
446	2.43E-01	513	4.63E-01	580	7.26E-01	647	8.91E-01	714	2.22E-01	N/A	N/A

4.0 LM-79 Measurement and Test Results

4.2 Goniophotometer Test

Model No.	PIVOTLB @20W3000K	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	0.167	19.5	0.976
NON-WORST CASE	N/A	N/A	N/A	N/A	N/A

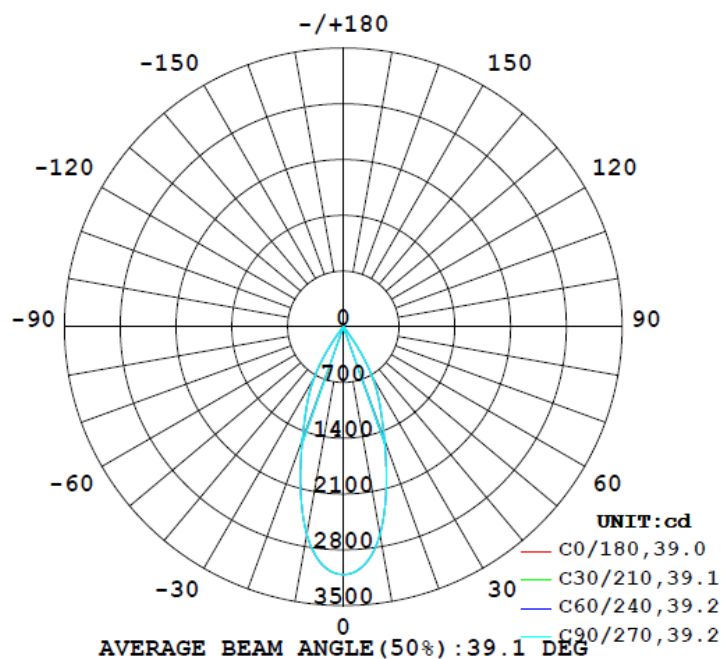
Test Result

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°)
1587	70.3	70.5	39.0	39.2	81.4	100.0%

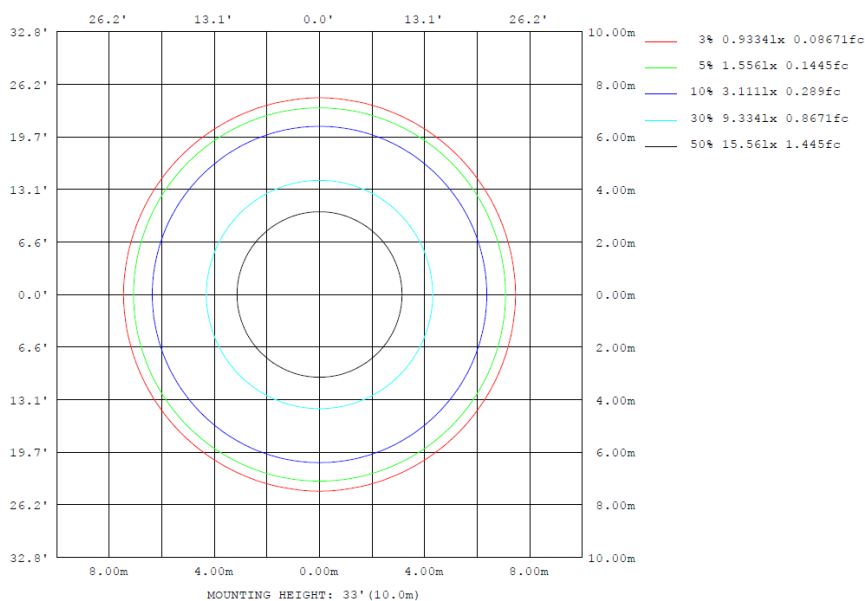
4.2 Goniophotometer Test

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	2654	2645	2646	2645	2654	2645	2646	2645	0- 10	275.3	275.3	17.4, 17.4
20	1505	1509	1514	1509	1505	1509	1514	1509	10- 20	572.4	847.7	53.4, 53.4
30	721.1	731.4	739.6	731.4	721.1	731.4	739.6	731.4	20- 30	497.8	1346	84.8, 84.8
40	61.68	60.45	66.35	60.45	61.68	60.45	66.35	60.45	30- 40	202.5	1548	97.6, 97.6
50	22.01	21.76	21.53	21.76	22.01	21.76	21.53	21.76	40- 50	23.16	1571	99.99
60	6.097	5.906	5.904	5.906	6.097	5.906	5.904	5.906	50- 60	12.53	1584	99.8, 99.8
70	1.052	0.9624	0.9538	0.9624	1.052	0.9624	0.9538	0.9624	60- 70	2.820	1587	100, 100
80	0.0465	0.0474	0.0501	0.0474	0.0465	0.0474	0.0501	0.0474	70- 80	0.2033	1587	100, 100
90	0	0	0	0	0	0	0	0	80- 90	0.0247	1587	100, 100
100	0	0	0	0	0	0	0	0	90-100	0	1587	100, 100
110	0	0	0	0	0	0	0	0	100-110	0	1587	100, 100
120	0	0	0	0	0	0	0	0	110-120	0	1587	100, 100
130	0	0	0	0	0	0	0	0	120-130	0	1587	100, 100
140	0	0	0	0	0	0	0	0	130-140	0	1587	100, 100
150	0	0	0	0	0	0	0	0	140-150	0	1587	100, 100
160	0	0	0	0	0	0	0	0	150-160	0	1587	100, 100
170	0	0	0	0	0	0	0	0	160-170	0	1587	100, 100
180	0	0	0	0	0	0	0	0	170-180	0	1587	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Zonal (lm)		Total (lm)		Percent
0-10	275.31	0-10	275.31	17.35%
10-20	572.41	0-20	847.72	53.43%
20-30	497.78	0-30	1345.50	84.80%
30-40	202.50	0-40	1548.00	97.56%
40-50	23.16	0-50	1571.16	99.02%
50-60	12.53	0-60	1583.69	99.81%
60-70	2.82	0-70	1586.51	99.99%
70-80	0.20	0-80	1586.71	100.00%
80-90	0.02	0-90	1586.73	100.00%
90-100	0.00	0-100	1586.73	100.00%
100-110	0.00	0-110	1586.73	100.00%
110-120	0.00	0-120	1586.73	100.00%
120-130	0.00	0-130	1586.73	100.00%
130-140	0.00	0-140	1586.73	100.00%
140-150	0.00	0-150	1586.73	100.00%
150-160	0.00	0-160	1586.73	100.00%
160-170	0.00	0-170	1586.73	100.00%
170-180	0.00	0-180	1586.73	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	3111	3112	3111	3111	3111	3111	3112	3111	3111	3111	3111	3112	3111	3112	3111	3111	3111	3111	3112
5	3006	3004	3002	3002	3000	3001	3001	3001	3000	3002	3002	3004	3006	3004	3002	3002	3000	3001	3001
10	2654	2650	2647	2645	2644	2646	2646	2646	2644	2645	2647	2650	2654	2650	2647	2645	2644	2646	2646
15	2083	2084	2083	2081	2083	2087	2088	2087	2083	2081	2083	2084	2083	2084	2083	2081	2083	2087	2088
20	1505	1503	1508	1509	1513	1515	1514	1515	1513	1509	1508	1503	1505	1503	1508	1509	1513	1515	1514
25	1079	1078	1085	1088	1095	1096	1097	1096	1095	1088	1085	1078	1079	1078	1085	1088	1095	1096	1097
30	721	723	728	731	736	738	740	738	736	731	728	723	721	723	728	731	736	738	740
35	308	307	311	314	315	315	315	315	315	314	311	307	308	307	311	314	315	315	315
40	61.7	61.1	60.3	60.4	62.0	64.3	66.4	64.3	62.0	60.4	60.3	61.1	61.7	61.1	60.3	60.4	62.0	64.3	66.4
45	26.8	26.6	26.6	26.5	26.6	26.6	26.6	26.6	26.6	26.5	26.6	26.6	26.8	26.6	26.6	26.5	26.6	26.6	26.6
50	22.0	21.9	21.8	21.8	21.7	21.7	21.5	21.7	21.7	21.8	21.8	21.9	22.0	21.9	21.8	21.8	21.7	21.7	21.5
55	14.6	14.4	14.4	14.2	14.3	14.3	14.3	14.3	14.2	14.4	14.4	14.4	14.6	14.4	14.4	14.2	14.3	14.3	14.3
60	6.10	6.04	5.90	5.91	5.88	5.95	5.90	5.95	5.88	5.91	5.90	6.04	6.10	6.04	5.90	5.91	5.88	5.95	5.90
65	2.79	2.67	2.61	2.58	2.60	2.61	2.57	2.61	2.60	2.58	2.61	2.67	2.79	2.67	2.61	2.58	2.60	2.61	2.57
70	1.05	0.96	0.94	0.96	0.98	0.98	0.95	0.98	0.98	0.96	0.94	0.96	1.05	0.96	0.94	0.96	0.98	0.98	0.95
75	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
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) γ (DEG)	285	300	315	330	345														
0	3111	3111	3111	3111	3112														
5	3001	3000	3002	3002	3004														
10	2646	2644	2645	2647	2650														
15	2087	2083	2081	2083	2084														
20	1515	1513	1509	1508	1503														
25	1096	1095	1088	1085	1078														
30	738	736	731	728	723														
35	315	315	314	311	307														
40	64.3	62.0	60.4	60.3	61.1														
45	26.6	26.6	26.5	26.6	26.6														
50	21.7	21.7	21.8	21.8	21.9														
55	14.3	14.3	14.2	14.4	14.4														
60	5.95	5.88	5.91	5.90	6.04														
65	2.61	2.60	2.58	2.61	2.67														
70	0.98	0.98	0.96	0.94	0.96														
75	0.09	0.09	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 @20W3000K	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	0.167	19.5	0.976	12.91

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*****