

## Photometric Test Report

### Relevant Standards

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

Prepared For

**RAB Lighting Inc.**

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Prepared By

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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		1415
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Standard	Premium	94.3
		95	110	
Power (Input Wattage) (W) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Worst Case		15.0
Total Harmonic Distortion (A%) (THD & PF – Section 4.3)	ANSI C82.77:2002 ANSI C82-77-10:2020	20.00%	120V	12.55
Power Factor (THD & PF – Section 4.3)	ANSI C82.77:2002 ANSI C82-77-10:2020	0.9	120V	0.966
Allowable CCTs* (K) (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19	7 steps	5029±283	5050
		4 steps	5029±220	
Chromaticity (D <sub>uv</sub> ) (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19	7 steps	0.0020±0.0060	0.0035
		4 steps	0.0020±0.0033	
Minimum CRI (Integrating Sphere – Section 4.1)	ANSI/IES LM-79 19 CIE13.3-1995	≥80		93.6
Minimum R9 (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19 CIE13.3-1995	≥0		67
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		0.129
(Goniophotometer – Section 4.2)		Non-Worst Case		N/A
Power (Input Wattage – W)				
(Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Worst Case		15.0
(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 @15W5000K	-	250903026-S1
2	Goniophotometer Test	2025-12-09	PIVOTLB @15W5000K	-	250903026-S1
3	THD and PF Test	2025-12-09	PIVOTLB @15W5000K	-	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 @15W5000K, 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

<b>Model No.</b>	PIVOTLB @15W5000K	<b>Sample ID</b>	250903026-S1
<b>Operate time (Min.)</b>	10	<b>Stabilization time (Min.)</b>	60
<b>Temperature (°C)</b>	25.4	<b>Humidity (%RH)</b>	41.0

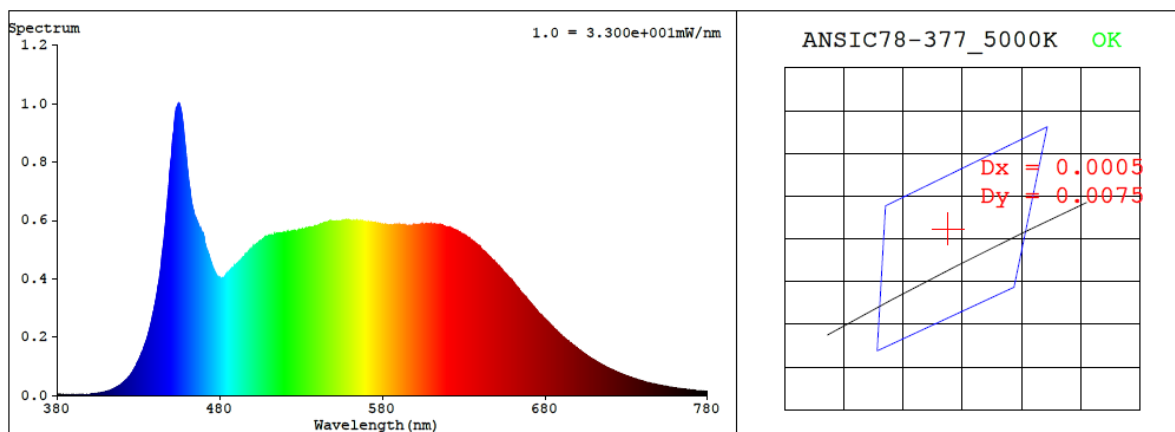
<b>Test Method</b>
<p>The Samples were tested according to the ANSI/IES LM-79:2019.</p> <p>Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at <math>25\pm1^{\circ}\text{C}</math>.</p> <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 <math>\pm 0.2</math> percent under load.</p> <p>The sample was measured using <math>4\pi</math> 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

<b>Voltage (Vac)</b>	<b>Frequency (Hz)</b>	<b>Current (A)</b>	<b>Power (W)</b>	<b>Power Factor</b>
120.0	60	0.129	15.0	0.966

<b>CCT (K)</b>	<b>CRI</b>	<b>R9</b>	<b>Duv</b>	<b>SDCM</b>	<b>Rf</b>	<b>Rg</b>	<b>IES Rcs,h1</b>
5050	93.6	67	0.0035	1.7	91	97	-5%

## 4.1 Integrating Sphere Test



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.3443$   $y = 0.3580$  /  $u' = 0.2084$   $v' = 0.4876$  ( $duv=3.51e-03$ )

CCT= 5050K Prcp WL:  $L_d=568.8nm$  Purity=10.7%

Peak WL:  $L_p=455nm$  FWHM:  $=27.2nm$  Ratio:  $R=17.1\%$   $G=77.2\%$   $B=5.8\%$

Render Index:  $R_a = 93.6$   $AvgR = 90.9$   $TM30:R_f=92$   $R_g=98$

EEL: 0.14863 A+

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

$R_8=86$   $R_9=67$   $R_{10}=94$   $R_{11}=93$   $R_{12}=75$   $R_{13}=95$   $R_{14}=100$   $R_{15}=91$



## 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

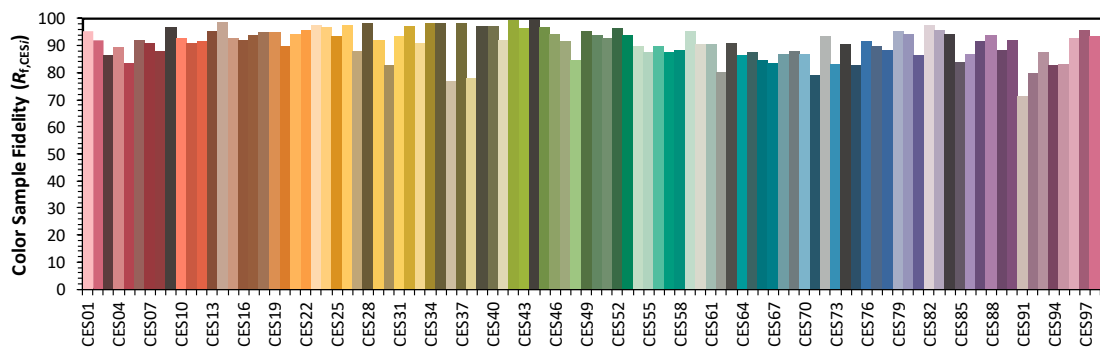
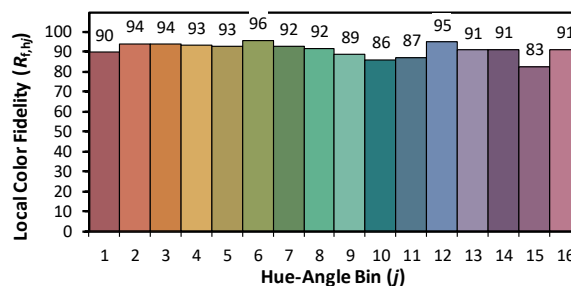
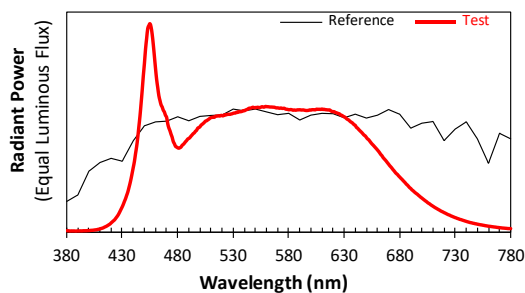
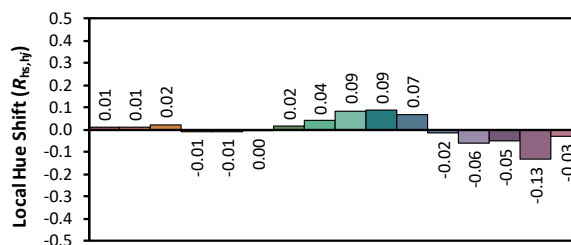
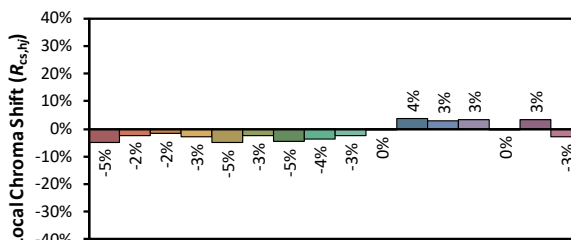
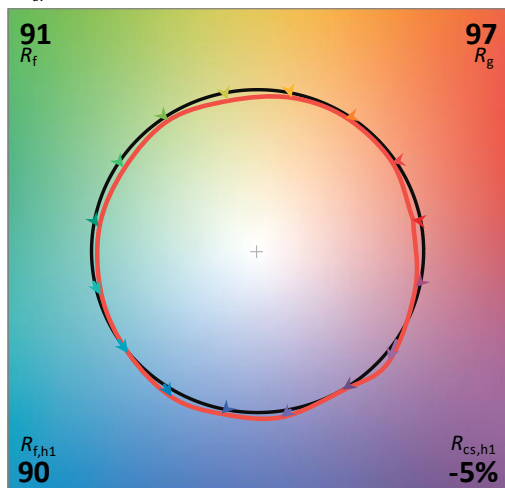
Model: PIVOTLB @15W5000K

Notes: N/A

Other: N/A

CCT: 5054 K  
 $D_{uv}$ : 0.0035

**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	4.40E-03	447	6.16E-01	514	5.54E-01	581	5.86E-01	648	4.63E-01	715	1.06E-01
381	4.20E-03	448	6.79E-01	515	5.55E-01	582	5.86E-01	649	4.60E-01	716	1.03E-01
382	3.90E-03	449	7.48E-01	516	5.55E-01	583	5.85E-01	650	4.52E-01	717	9.95E-02
383	2.90E-03	450	8.07E-01	517	5.56E-01	584	5.83E-01	651	4.46E-01	718	9.68E-02
384	3.50E-03	451	8.76E-01	518	5.55E-01	585	5.84E-01	652	4.42E-01	719	9.44E-02
385	3.30E-03	452	9.28E-01	519	5.58E-01	586	5.83E-01	653	4.35E-01	720	9.14E-02
386	3.40E-03	453	9.76E-01	520	5.58E-01	587	5.84E-01	654	4.28E-01	721	8.91E-02
387	3.30E-03	454	9.89E-01	521	5.56E-01	588	5.85E-01	655	4.21E-01	722	8.62E-02
388	2.70E-03	455	9.99E-01	522	5.61E-01	589	5.85E-01	656	4.16E-01	723	8.35E-02
389	3.10E-03	456	9.82E-01	523	5.60E-01	590	5.85E-01	657	4.10E-01	724	8.09E-02
390	3.60E-03	457	9.47E-01	524	5.62E-01	591	5.84E-01	658	4.04E-01	725	7.92E-02
391	3.20E-03	458	8.98E-01	525	5.63E-01	592	5.84E-01	659	3.98E-01	726	7.61E-02
392	3.80E-03	459	8.42E-01	526	5.64E-01	593	5.85E-01	660	3.92E-01	727	7.41E-02
393	3.60E-03	460	7.84E-01	527	5.63E-01	594	5.83E-01	661	3.85E-01	728	7.17E-02
394	3.70E-03	461	7.31E-01	528	5.65E-01	595	5.82E-01	662	3.78E-01	729	6.96E-02
395	4.40E-03	462	6.92E-01	529	5.66E-01	596	5.82E-01	663	3.70E-01	730	6.74E-02
396	4.30E-03	463	6.53E-01	530	5.68E-01	597	5.82E-01	664	3.65E-01	731	6.57E-02
397	4.40E-03	464	6.30E-01	531	5.70E-01	598	5.83E-01	665	3.56E-01	732	6.32E-02
398	4.50E-03	465	6.09E-01	532	5.70E-01	599	5.85E-01	666	3.50E-01	733	6.18E-02
399	5.00E-03	466	5.99E-01	533	5.74E-01	600	5.84E-01	667	3.44E-01	734	5.93E-02
400	5.00E-03	467	5.83E-01	534	5.72E-01	601	5.86E-01	668	3.38E-01	735	5.81E-02
401	5.80E-03	468	5.75E-01	535	5.76E-01	602	5.86E-01	669	3.31E-01	736	5.63E-02
402	6.30E-03	469	5.58E-01	536	5.76E-01	603	5.85E-01	670	3.24E-01	737	5.44E-02
403	6.60E-03	470	5.49E-01	537	5.76E-01	604	5.85E-01	671	3.17E-01	738	5.28E-02
404	7.10E-03	471	5.18E-01	538	5.78E-01	605	5.88E-01	672	3.11E-01	739	5.09E-02
405	8.00E-03	472	4.98E-01	539	5.81E-01	606	5.88E-01	673	3.05E-01	740	4.93E-02
406	8.60E-03	473	4.85E-01	540	5.80E-01	607	5.88E-01	674	2.98E-01	741	4.75E-02
407	9.30E-03	474	4.68E-01	541	5.84E-01	608	5.88E-01	675	2.92E-01	742	4.61E-02
408	1.08E-02	475	4.53E-01	542	5.86E-01	609	5.87E-01	676	2.85E-01	743	4.44E-02
409	1.18E-02	476	4.33E-01	543	5.88E-01	610	5.89E-01	677	2.79E-01	744	4.32E-02
410	1.36E-02	477	4.23E-01	544	5.92E-01	611	5.87E-01	678	2.75E-01	745	4.21E-02
411	1.51E-02	478	4.10E-01	545	5.93E-01	612	5.87E-01	679	2.68E-01	746	4.05E-02
412	1.66E-02	479	4.06E-01	546	5.94E-01	613	5.86E-01	680	2.63E-01	747	3.96E-02
413	1.86E-02	480	4.03E-01	547	5.96E-01	614	5.85E-01	681	2.57E-01	748	3.81E-02
414	2.16E-02	481	4.01E-01	548	5.97E-01	615	5.85E-01	682	2.52E-01	749	3.73E-02
415	2.39E-02	482	4.03E-01	549	5.95E-01	616	5.84E-01	683	2.46E-01	750	3.59E-02
416	2.66E-02	483	4.07E-01	550	5.96E-01	617	5.84E-01	684	2.40E-01	751	3.49E-02
417	2.99E-02	484	4.15E-01	551	5.96E-01	618	5.80E-01	685	2.35E-01	752	3.37E-02
418	3.34E-02	485	4.19E-01	552	5.97E-01	619	5.77E-01	686	2.28E-01	753	3.29E-02
419	3.68E-02	486	4.25E-01	553	5.96E-01	620	5.76E-01	687	2.23E-01	754	3.21E-02
420	4.20E-02	487	4.32E-01	554	5.96E-01	621	5.76E-01	688	2.17E-01	755	3.09E-02
421	4.67E-02	488	4.37E-01	555	5.98E-01	622	5.72E-01	689	2.11E-01	756	3.00E-02
422	5.16E-02	489	4.45E-01	556	6.00E-01	623	5.71E-01	690	2.07E-01	757	2.88E-02
423	5.61E-02	490	4.48E-01	557	5.98E-01	624	5.69E-01	691	2.01E-01	758	2.80E-02
424	6.29E-02	491	4.52E-01	558	5.98E-01	625	5.67E-01	692	1.97E-01	759	2.71E-02
425	7.01E-02	492	4.59E-01	559	6.01E-01	626	5.64E-01	693	1.92E-01	760	2.61E-02
426	7.74E-02	493	4.65E-01	560	6.00E-01	627	5.60E-01	694	1.87E-01	761	2.55E-02
427	8.66E-02	494	4.71E-01	561	6.00E-01	628	5.58E-01	695	1.83E-01	762	2.49E-02
428	9.73E-02	495	4.75E-01	562	6.00E-01	629	5.54E-01	696	1.79E-01	763	2.40E-02
429	1.08E-01	496	4.82E-01	563	5.99E-01	630	5.52E-01	697	1.74E-01	764	2.33E-02
430	1.19E-01	497	4.87E-01	564	5.99E-01	631	5.48E-01	698	1.70E-01	765	2.25E-02
431	1.31E-01	498	4.97E-01	565	5.98E-01	632	5.43E-01	699	1.65E-01	766	2.20E-02
432	1.45E-01	499	5.00E-01	566	5.98E-01	633	5.39E-01	700	1.61E-01	767	2.11E-02
433	1.58E-01	500	5.04E-01	567	5.97E-01	634	5.36E-01	701	1.57E-01	768	2.03E-02
434	1.74E-01	501	5.11E-01	568	5.96E-01	635	5.31E-01	702	1.53E-01	769	1.98E-02
435	1.90E-01	502	5.15E-01	569	5.94E-01	636	5.27E-01	703	1.48E-01	770	1.90E-02
436	2.10E-01	503	5.20E-01	570	5.95E-01	637	5.24E-01	704	1.45E-01	771	1.85E-02
437	2.31E-01	504	5.25E-01	571	5.93E-01	638	5.19E-01	705	1.40E-01	772	1.78E-02
438	2.55E-01	505	5.31E-01	572	5.93E-01	639	5.13E-01	706	1.36E-01	773	1.72E-02
439	2.82E-01	506	5.33E-01	573	5.94E-01	640	5.10E-01	707	1.33E-01	774	1.69E-02
440	3.10E-01	507	5.36E-01	574	5.92E-01	641	5.01E-01	708	1.29E-01	775	1.63E-02
441	3.38E-01	508	5.40E-01	575	5.92E-01	642	4.97E-01	709	1.26E-01	776	1.59E-02
442	3.75E-01	509	5.44E-01	576	5.93E-01	643	4.91E-01	710	1.22E-01	777	1.52E-02
443	4.09E-01	510	5.48E-01	577	5.89E-01	644	4.86E-01	711	1.19E-01	778	1.48E-02
444	4.53E-01	511	5.49E-01	578	5.88E-01	645	4.80E-01	712	1.15E-01	779	1.47E-02
445	5.04E-01	512	5.50E-01	579	5.87E-01	646	4.75E-01	713	1.12E-01	780	1.47E-02
446	5.55E-01	513	5.49E-01	580	5.86E-01	647	4.69E-01	714	1.09E-01	N/A	N/A



## 4.0 LM-79 Measurement and Test Results

### 4.2 Goniophotometer Test

<b>Model No.</b>	PIVOTLB @15W5000K	<b>Sample ID</b>	250903026-S1
<b>Operate time (Min.)</b>	30	<b>Stabilization time (Min.)</b>	60
<b>Temperature (°C)</b>	25.1	<b>Humidity (%RH)</b>	40.9

<b>Test Method</b>
<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 <math>25 \pm 1^\circ\text{C}</math>, 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 <math>\pm 0.2</math> 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 <math>1.0^\circ</math> vertical intervals and <math>15^\circ</math> horizontal intervals.</p>

#### Test Conditions

Condition	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
<b>WORST CASE</b>	120.0	60	0.129	15.0	0.966
<b>NON-WORST CASE</b>	N/A	N/A	N/A	N/A	N/A

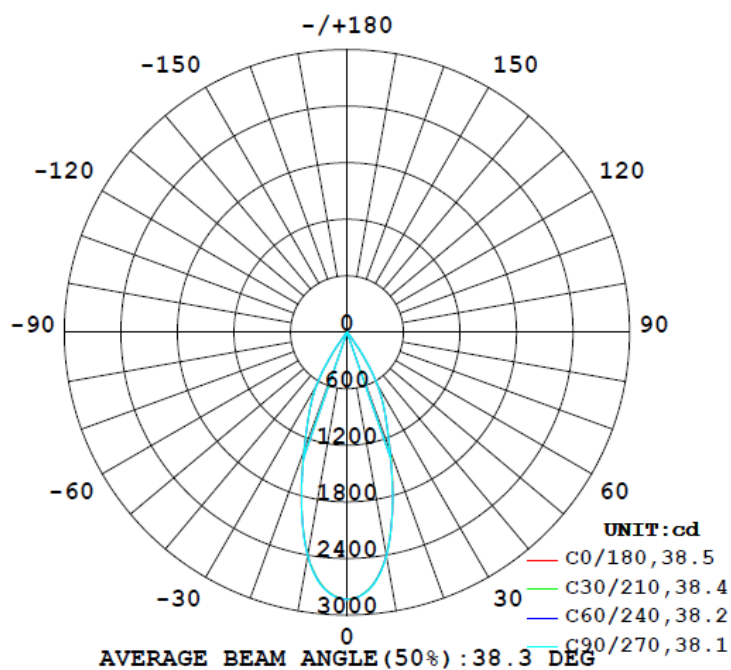
#### Test Result

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°)
1415	69.7	70.4	38.5	38.2	94.3	100.0%

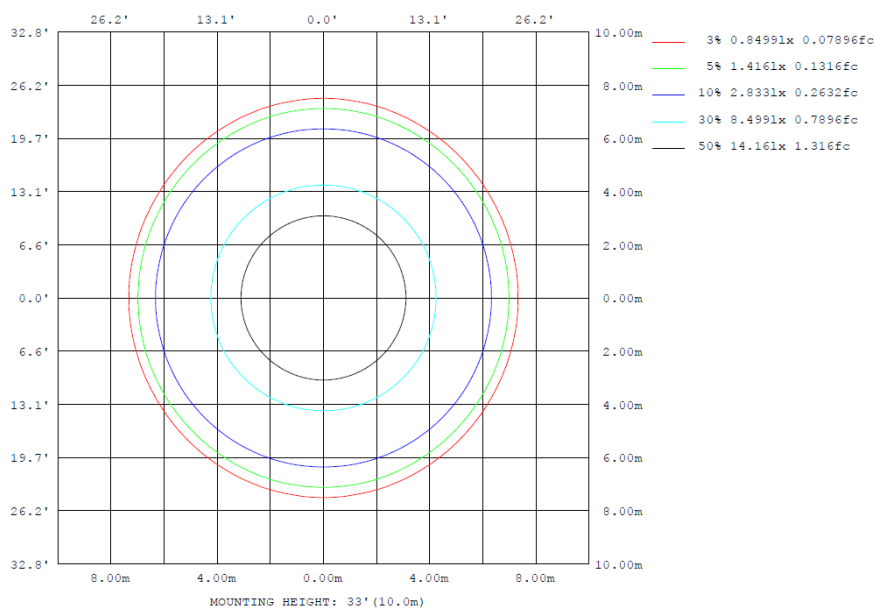
## 4.2 Goniophotometer Test

### Lighting Distribution Curve

#### LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



### Isolux Plot



## 4.2 Goniophotometer Test

### Zonal Lumen Summary

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	zone	total	%lum, lamp
10	2401	2403	2412	2403	2401	2403	2412	2403	0- 10	250.4	250.4	17.7, 17.7
20	1343	1337	1328	1337	1343	1337	1328	1337	10- 20	513.8	764.2	54, 54
30	647.1	651.4	643.9	651.4	647.1	651.4	643.9	651.4	20- 30	439.7	1204	85.1, 85.1
40	43.38	45.38	60.07	45.38	43.38	45.38	60.07	45.38	30- 40	177.3	1381	97.6, 97.6
50	19.49	19.22	18.98	19.22	19.49	19.22	18.98	19.22	40- 50	20.26	1401	99, 99
60	5.344	5.187	5.184	5.187	5.344	5.187	5.184	5.187	50- 60	11.03	1412	99.8, 99.8
70	0.9249	0.8374	0.8237	0.8374	0.9249	0.8374	0.8237	0.8374	60- 70	2.479	1415	100, 100
80	0.0401	0.0421	0.0421	0.0421	0.0401	0.0421	0.0421	0.0421	70- 80	0.1751	1415	100, 100
90	0	0	0	0	0	0	0	0	80- 90	0.0212	1415	100, 100
100	0	0	0	0	0	0	0	0	90-100	0	1415	100, 100
110	0	0	0	0	0	0	0	0	100-110	0	1415	100, 100
120	0	0	0	0	0	0	0	0	110-120	0	1415	100, 100
130	0	0	0	0	0	0	0	0	120-130	0	1415	100, 100
140	0	0	0	0	0	0	0	0	130-140	0	1415	100, 100
150	0	0	0	0	0	0	0	0	140-150	0	1415	100, 100
160	0	0	0	0	0	0	0	0	150-160	0	1415	100, 100
170	0	0	0	0	0	0	0	0	160-170	0	1415	100, 100
180	0	0	0	0	0	0	0	0	170-180	0	1415	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Zonal (lm)		Total (lm)		Percent
0-10	250.40	0-10	250.40	17.69%
10-20	513.78	0-20	764.18	54.00%
20-30	439.71	0-30	1203.89	85.07%
30-40	177.29	0-40	1381.18	97.60%
40-50	20.26	0-50	1401.44	99.03%
50-60	11.03	0-60	1412.47	99.81%
60-70	2.48	0-70	1414.95	99.99%
70-80	0.18	0-80	1415.13	100.00%
80-90	0.02	0-90	1415.15	100.00%
90-100	0.00	0-100	1415.15	100.00%
100-110	0.00	0-110	1415.15	100.00%
110-120	0.00	0-120	1415.15	100.00%
120-130	0.00	0-130	1415.15	100.00%
130-140	0.00	0-140	1415.15	100.00%
140-150	0.00	0-150	1415.15	100.00%
150-160	0.00	0-160	1415.15	100.00%
160-170	0.00	0-170	1415.15	100.00%
170-180	0.00	0-180	1415.15	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	2833	2833	2833	2833	2834	2833	2834	2833	2834	2833	2833	2833	2833	2833	2833	2833	2834	2833	2834
5	2730	2728	2730	2732	2735	2735	2736	2735	2735	2732	2730	2728	2730	2728	2730	2732	2735	2735	2736
10	2401	2398	2400	2403	2406	2409	2412	2409	2406	2403	2400	2398	2401	2398	2400	2403	2406	2409	2412
15	1879	1876	1872	1869	1870	1871	1873	1871	1870	1869	1872	1876	1879	1876	1872	1869	1870	1871	1873
20	1343	1342	1340	1337	1334	1331	1328	1331	1334	1337	1340	1342	1343	1342	1340	1337	1334	1331	1328
25	955	955	958	961	962	962	961	962	962	961	958	955	955	955	958	961	962	962	961
30	647	648	654	651	649	647	644	647	649	651	654	648	647	648	654	651	649	647	644
35	248	252	257	266	278	290	293	290	278	266	257	252	248	252	257	266	278	290	293
40	43.4	43.5	44.6	45.4	45.9	58.7	60.1	58.7	45.9	45.4	44.6	43.5	43.4	43.5	44.6	45.4	45.9	58.7	60.1
45	23.8	23.6	23.6	23.5	23.5	23.6	23.5	23.6	23.5	23.5	23.6	23.6	23.8	23.6	23.6	23.5	23.5	23.6	23.5
50	19.5	19.4	19.3	19.2	19.2	19.1	19.0	19.1	19.2	19.2	19.3	19.4	19.5	19.4	19.3	19.2	19.2	19.1	19.0
55	12.8	12.7	12.6	12.5	12.6	12.6	12.6	12.6	12.5	12.6	12.7	12.8	12.7	12.6	12.6	12.5	12.6	12.6	12.6
60	5.34	5.29	5.18	5.19	5.16	5.23	5.18	5.23	5.16	5.19	5.18	5.29	5.34	5.29	5.18	5.19	5.16	5.23	5.18
65	2.46	2.36	2.30	2.27	2.29	2.29	2.25	2.29	2.27	2.30	2.36	2.46	2.36	2.30	2.27	2.29	2.29	2.29	2.25
70	0.92	0.84	0.81	0.84	0.85	0.85	0.82	0.85	0.85	0.84	0.81	0.84	0.92	0.84	0.81	0.84	0.85	0.85	0.82
75	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.08	0.08	0.08	0.08	0.08	0.08
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	2833	2834	2833	2833	2833														
5	2735	2735	2732	2730	2728														
10	2409	2406	2403	2400	2398														
15	1871	1870	1869	1872	1876														
20	1331	1334	1337	1340	1342														
25	962	962	961	958	955														
30	647	649	651	654	648														
35	290	278	266	257	252														
40	58.7	45.9	45.4	44.6	43.5														
45	23.6	23.5	23.5	23.6	23.6														
50	19.1	19.2	19.2	19.3	19.4														
55	12.6	12.6	12.5	12.6	12.7														
60	5.23	5.16	5.19	5.18	5.29														
65	2.29	2.29	2.27	2.30	2.36														
70	0.85	0.85	0.84	0.81	0.84														
75	0.08	0.08	0.08	0.08	0.08														
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

<b>Model No.</b>	PIVOTLB @15W5000K	<b>Sample ID</b>	250903026-S1
<b>Temperature (°C)</b>	25.4	<b>Humidity (%RH)</b>	41.0

<b>Test Method</b>
<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 <math>25 \pm 1^{\circ}\text{C}</math>. 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	0.129	15.0	0.966	12.55

## 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\*\*\*\*\*