

## 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		1552
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Standard	Premium	80.0
		95	110	
Power (Input Wattage) (W) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Worst Case		19.4
Total Harmonic Distortion (A%) (THD & PF – Section 4.3)	ANSI C82.77:2002 ANSI C82-77-10:2020	20.00%	120V	12.93
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	2725±145	2754
		4 steps	2725±83	
Chromaticity (D <sub>uv</sub> ) (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19	7 steps	0.0000±0.0060	0.0016
		4 steps	0.0000±0.0033	
Minimum CRI (Integrating Sphere – Section 4.1)	ANSI/IES LM-79 19 CIE13.3-1995	≥80		95.7
Minimum R9 (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19 CIE13.3-1995	≥0		70
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		97
IES Rcs,h1 (Integrating Sphere – Section 4.1)	ANSI/IES TM-30-24	-12%≤IES Rcs,h1≤+23%		-4%
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		0.166
(Goniophotometer – Section 4.2)		Non-Worst Case		N/A
Power (Input Wattage – W)				
(Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Worst Case		19.4
(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 @20W2700K	-	250903026-S1
2	Goniophotometer Test	2025-12-09	PIVOTLB @20W2700K	-	250903026-S1
3	THD and PF Test	2025-12-09	PIVOTLB @20W2700K	-	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 @20W2700K, 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 @20W2700K	<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

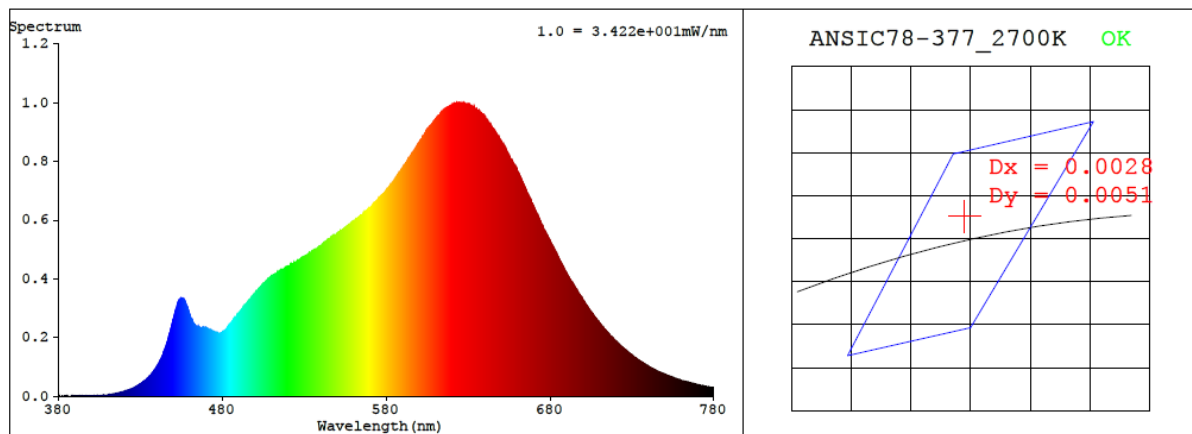
<b>Test Method</b>
<p>The Samples were tested according to the ANSI/IES LM-79:2019.</p> <p>Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at 25±1°C.</p> <p>The sample measurements were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

<b>Voltage (Vac)</b>	<b>Frequency (Hz)</b>	<b>Current (A)</b>	<b>Power (W)</b>	<b>Power Factor</b>
120.0	60	0.166	19.4	0.976

<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>
2754	95.7	70	0.0016	1.7	93	97	-4%

## 4.1 Integrating Sphere Test



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4582$   $y = 0.4146$  /  $u' = 0.2596$   $v' = 0.5286$  ( $duv=1.63e-03$ )

CCT= 2754K Prcp WL:  $L_d=583.4nm$  Purity=62.0%

Peak WL:  $L_p=625nm$  FWHM:  $=144.8nm$  Ratio:R=26.4% G=70.8% B=2.8%

Render Index:  $R_a = 95.7$  AvgR = 94.0 TM30:Rf=93 Rg=97

EEL: 0.17352 A

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

R8 =86 R9 =70 R10=98 R11=99 R12=89 R13=98 R14=99 R15=92



## 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

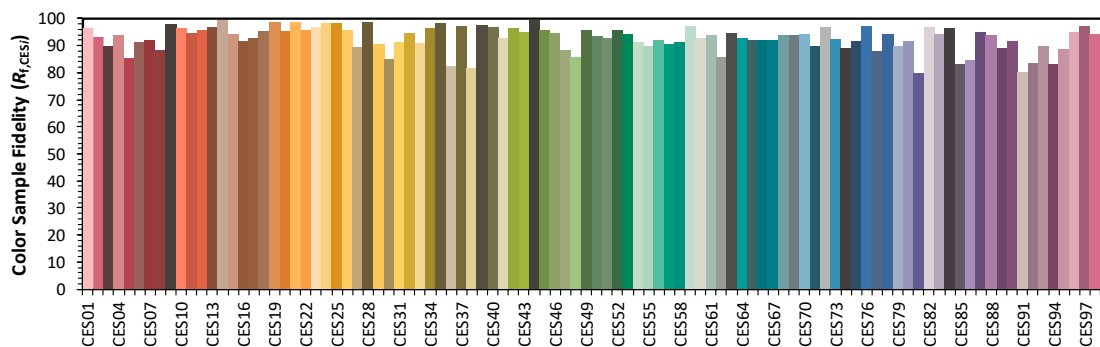
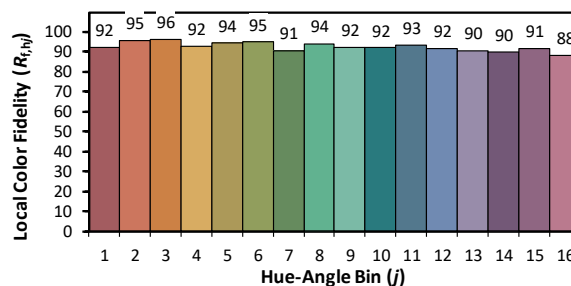
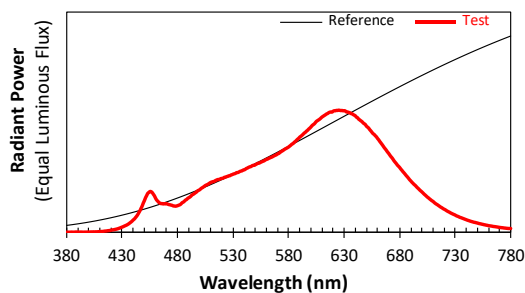
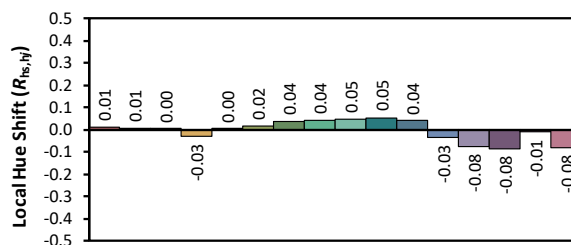
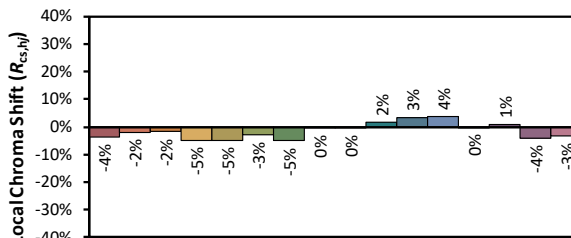
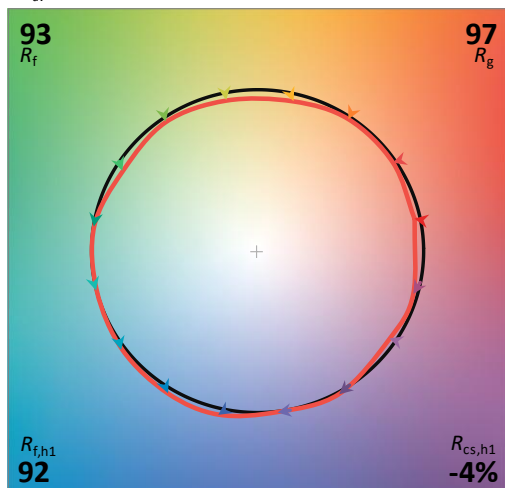
Model: PIVOTLB @20W2700K

Notes: N/A

Other: N/A

CCT: 2753 K  
 $D_{uv}$ : 0.0016

**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	1.97E-01	514	4.23E-01	581	7.06E-01	648	8.89E-01	715	2.19E-01
381	4.00E-04	448	2.16E-01	515	4.27E-01	582	7.14E-01	649	8.83E-01	716	2.12E-01
382	9.00E-04	449	2.40E-01	516	4.31E-01	583	7.22E-01	650	8.69E-01	717	2.06E-01
383	4.00E-04	450	2.59E-01	517	4.32E-01	584	7.27E-01	651	8.61E-01	718	2.01E-01
384	1.60E-03	451	2.83E-01	518	4.35E-01	585	7.37E-01	652	8.53E-01	719	1.94E-01
385	1.20E-03	452	3.00E-01	519	4.40E-01	586	7.43E-01	653	8.41E-01	720	1.89E-01
386	8.00E-04	453	3.19E-01	520	4.41E-01	587	7.53E-01	654	8.30E-01	721	1.85E-01
387	1.10E-03	454	3.26E-01	521	4.43E-01	588	7.62E-01	655	8.19E-01	722	1.78E-01
388	2.00E-03	455	3.34E-01	522	4.50E-01	589	7.69E-01	656	8.08E-01	723	1.73E-01
389	2.00E-03	456	3.32E-01	523	4.51E-01	590	7.80E-01	657	8.01E-01	724	1.68E-01
390	2.00E-03	457	3.25E-01	524	4.55E-01	591	7.86E-01	658	7.91E-01	725	1.63E-01
391	1.20E-03	458	3.12E-01	525	4.58E-01	592	7.94E-01	659	7.82E-01	726	1.58E-01
392	1.70E-03	459	2.99E-01	526	4.62E-01	593	8.03E-01	660	7.69E-01	727	1.53E-01
393	1.70E-03	460	2.80E-01	527	4.63E-01	594	8.12E-01	661	7.58E-01	728	1.49E-01
394	1.40E-03	461	2.64E-01	528	4.69E-01	595	8.18E-01	662	7.45E-01	729	1.45E-01
395	8.00E-04	462	2.55E-01	529	4.72E-01	596	8.28E-01	663	7.32E-01	730	1.41E-01
396	1.30E-03	463	2.45E-01	530	4.76E-01	597	8.35E-01	664	7.20E-01	731	1.35E-01
397	1.40E-03	464	2.39E-01	531	4.79E-01	598	8.45E-01	665	7.08E-01	732	1.32E-01
398	1.40E-03	465	2.35E-01	532	4.82E-01	599	8.53E-01	666	6.94E-01	733	1.28E-01
399	2.10E-03	466	2.35E-01	533	4.88E-01	600	8.62E-01	667	6.83E-01	734	1.23E-01
400	1.70E-03	467	2.32E-01	534	4.89E-01	601	8.73E-01	668	6.71E-01	735	1.20E-01
401	2.10E-03	468	2.34E-01	535	4.93E-01	602	8.81E-01	669	6.58E-01	736	1.17E-01
402	2.80E-03	469	2.32E-01	536	4.98E-01	603	8.87E-01	670	6.47E-01	737	1.13E-01
403	2.50E-03	470	2.34E-01	537	5.01E-01	604	8.98E-01	671	6.33E-01	738	1.10E-01
404	3.30E-03	471	2.30E-01	538	5.03E-01	605	9.08E-01	672	6.21E-01	739	1.06E-01
405	2.70E-03	472	2.27E-01	539	5.09E-01	606	9.14E-01	673	6.10E-01	740	1.03E-01
406	3.50E-03	473	2.25E-01	540	5.11E-01	607	9.20E-01	674	5.98E-01	741	9.90E-02
407	3.50E-03	474	2.23E-01	541	5.17E-01	608	9.27E-01	675	5.84E-01	742	9.62E-02
408	4.20E-03	475	2.20E-01	542	5.23E-01	609	9.35E-01	676	5.73E-01	743	9.30E-02
409	4.80E-03	476	2.16E-01	543	5.27E-01	610	9.43E-01	677	5.62E-01	744	8.99E-02
410	5.20E-03	477	2.15E-01	544	5.32E-01	611	9.49E-01	678	5.49E-01	745	8.73E-02
411	6.30E-03	478	2.14E-01	545	5.35E-01	612	9.56E-01	679	5.40E-01	746	8.46E-02
412	6.50E-03	479	2.15E-01	546	5.38E-01	613	9.61E-01	680	5.30E-01	747	8.19E-02
413	7.40E-03	480	2.18E-01	547	5.44E-01	614	9.68E-01	681	5.18E-01	748	8.04E-02
414	9.20E-03	481	2.22E-01	548	5.48E-01	615	9.72E-01	682	5.07E-01	749	7.78E-02
415	1.00E-02	482	2.26E-01	549	5.48E-01	616	9.79E-01	683	4.95E-01	750	7.56E-02
416	1.09E-02	483	2.32E-01	550	5.53E-01	617	9.83E-01	684	4.85E-01	751	7.28E-02
417	1.26E-02	484	2.42E-01	551	5.58E-01	618	9.85E-01	685	4.74E-01	752	7.05E-02
418	1.35E-02	485	2.47E-01	552	5.64E-01	619	9.84E-01	686	4.63E-01	753	6.87E-02
419	1.47E-02	486	2.54E-01	553	5.65E-01	620	9.91E-01	687	4.53E-01	754	6.63E-02
420	1.67E-02	487	2.63E-01	554	5.69E-01	621	9.95E-01	688	4.42E-01	755	6.44E-02
421	1.92E-02	488	2.68E-01	555	5.74E-01	622	9.95E-01	689	4.30E-01	756	6.21E-02
422	2.03E-02	489	2.77E-01	556	5.78E-01	623	9.98E-01	690	4.20E-01	757	6.03E-02
423	2.21E-02	490	2.83E-01	557	5.82E-01	624	9.97E-01	691	4.10E-01	758	5.82E-02
424	2.42E-02	491	2.89E-01	558	5.86E-01	625	1.00E+00	692	4.01E-01	759	5.66E-02
425	2.64E-02	492	2.97E-01	559	5.92E-01	626	9.98E-01	693	3.91E-01	760	5.41E-02
426	2.88E-02	493	3.06E-01	560	5.97E-01	627	9.96E-01	694	3.84E-01	761	5.29E-02
427	3.21E-02	494	3.11E-01	561	6.00E-01	628	9.97E-01	695	3.74E-01	762	5.16E-02
428	3.54E-02	495	3.17E-01	562	6.05E-01	629	9.95E-01	696	3.65E-01	763	5.02E-02
429	3.92E-02	496	3.24E-01	563	6.09E-01	630	9.95E-01	697	3.56E-01	764	4.82E-02
430	4.27E-02	497	3.30E-01	564	6.13E-01	631	9.93E-01	698	3.47E-01	765	4.69E-02
431	4.66E-02	498	3.40E-01	565	6.16E-01	632	9.85E-01	699	3.39E-01	766	4.59E-02
432	5.10E-02	499	3.44E-01	566	6.22E-01	633	9.85E-01	700	3.31E-01	767	4.44E-02
433	5.50E-02	500	3.50E-01	567	6.26E-01	634	9.81E-01	701	3.22E-01	768	4.29E-02
434	5.91E-02	501	3.58E-01	568	6.31E-01	635	9.79E-01	702	3.12E-01	769	4.13E-02
435	6.45E-02	502	3.64E-01	569	6.35E-01	636	9.72E-01	703	3.05E-01	770	3.98E-02
436	7.02E-02	503	3.70E-01	570	6.42E-01	637	9.71E-01	704	2.96E-01	771	3.87E-02
437	7.75E-02	504	3.77E-01	571	6.45E-01	638	9.64E-01	705	2.88E-01	772	3.75E-02
438	8.42E-02	505	3.83E-01	572	6.52E-01	639	9.59E-01	706	2.81E-01	773	3.67E-02
439	9.23E-02	506	3.88E-01	573	6.59E-01	640	9.54E-01	707	2.73E-01	774	3.50E-02
440	1.02E-01	507	3.92E-01	574	6.65E-01	641	9.43E-01	708	2.66E-01	775	3.42E-02
441	1.09E-01	508	3.98E-01	575	6.71E-01	642	9.38E-01	709	2.58E-01	776	3.29E-02
442	1.21E-01	509	4.04E-01	576	6.77E-01	643	9.27E-01	710	2.53E-01	777	3.20E-02
443	1.32E-01	510	4.09E-01	577	6.83E-01	644	9.20E-01	711	2.45E-01	778	3.10E-02
444	1.45E-01	511	4.12E-01	578	6.88E-01	645	9.13E-01	712	2.37E-01	779	3.10E-02
445	1.61E-01	512	4.15E-01	579	6.93E-01	646	9.06E-01	713	2.31E-01	780	3.10E-02
446	1.77E-01	513	4.17E-01	580	6.99E-01	647	8.96E-01	714	2.25E-01	N/A	N/A



## 4.0 LM-79 Measurement and Test Results

### 4.2 Goniophotometer Test

<b>Model No.</b>	PIVOTLB @20W2700K	<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\pm1^{\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	0.166	19.4	0.976
<b>NON-WORST CASE</b>	N/A	N/A	N/A	N/A	N/A

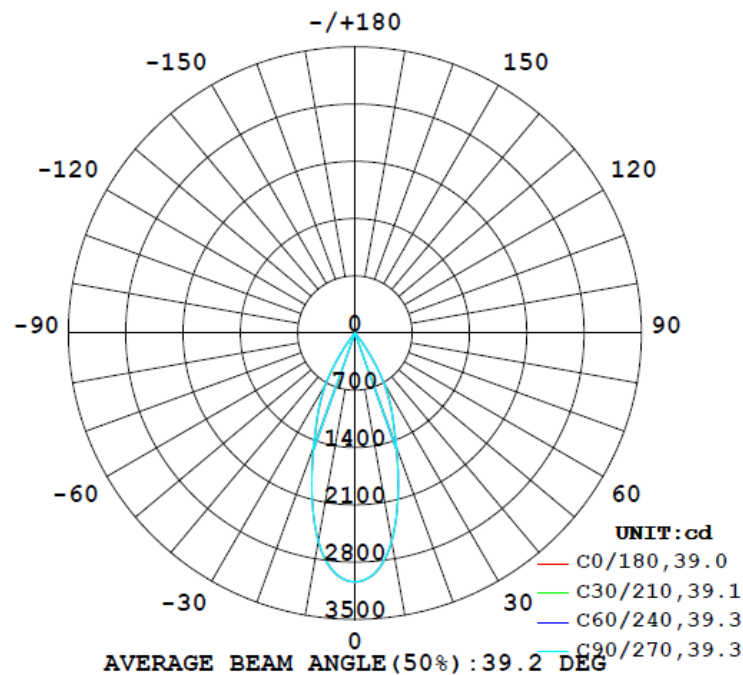
### Test Result

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°)
1552	70.3	70.5	39.1	39.4	80.0	100.0%

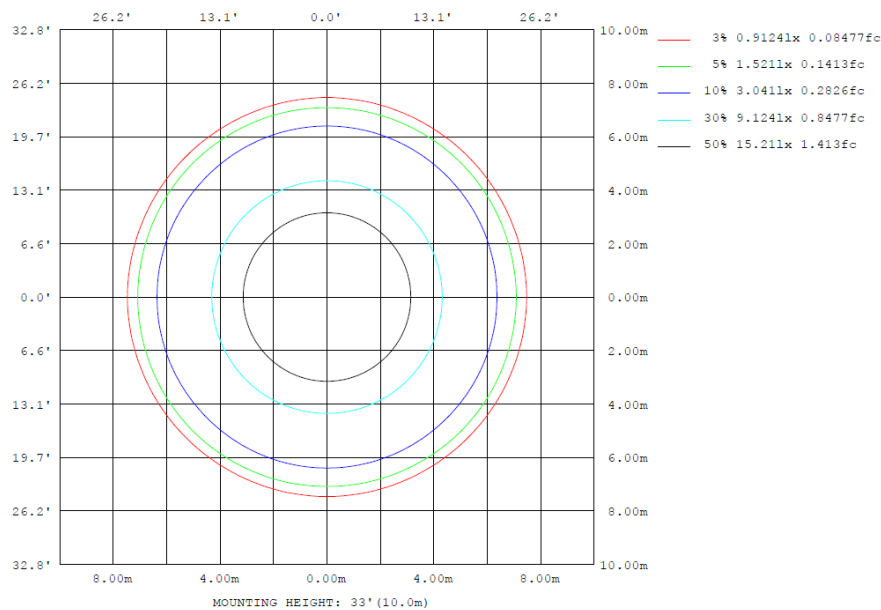
## 4.2 Goniophotometer Test

### 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	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	2593	2583	2584	2583	2593	2583	2584	2583	0- 10	268.9	268.9	17.3,17.3
20	1472	1480	1486	1480	1472	1480	1486	1480	10- 20	559.8	828.7	53.4,53.4
30	703.8	714.3	725.2	714.3	703.8	714.3	725.2	714.3	20- 30	487.8	1317	84.8,84.8
40	61.48	50.02	63.55	50.02	61.48	50.02	63.55	50.02	30- 40	197.6	1514	97.6,97.6
50	21.58	21.32	21.11	21.32	21.58	21.32	21.11	21.32	40- 50	22.60	1537	99,99
60	5.955	5.749	5.753	5.749	5.955	5.749	5.753	5.749	50- 60	12.27	1549	99.8,99.8
70	1.022	0.9333	0.9273	0.9333	1.022	0.9333	0.9273	0.9333	60- 70	2.752	1552	100,100
80	0.0455	0.0460	0.0489	0.0460	0.0455	0.0460	0.0489	0.0460	70- 80	0.1957	1552	100,100
90	0	0	0	0	0	0	0	0	80- 90	0.0238	1552	100,100
100	0	0	0	0	0	0	0	0	90-100	0	1552	100,100
110	0	0	0	0	0	0	0	0	100-110	0	1552	100,100
120	0	0	0	0	0	0	0	0	110-120	0	1552	100,100
130	0	0	0	0	0	0	0	0	120-130	0	1552	100,100
140	0	0	0	0	0	0	0	0	130-140	0	1552	100,100
150	0	0	0	0	0	0	0	0	140-150	0	1552	100,100
160	0	0	0	0	0	0	0	0	150-160	0	1552	100,100
170	0	0	0	0	0	0	0	0	160-170	0	1552	100,100
180	0	0	0	0	0	0	0	0	170-180	0	1552	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Zonal (lm)		Total (lm)		Percent
0-10	268.94	0-10	268.94	17.33%
10-20	559.79	0-20	828.73	53.40%
20-30	487.82	0-30	1316.55	84.83%
30-40	197.64	0-40	1514.19	97.56%
40-50	22.60	0-50	1536.79	99.02%
50-60	12.27	0-60	1549.06	99.81%
60-70	2.75	0-70	1551.81	99.99%
70-80	0.20	0-80	1552.01	100.00%
80-90	0.02	0-90	1552.03	100.00%
90-100	0.00	0-100	1552.03	100.00%
100-110	0.00	0-110	1552.03	100.00%
110-120	0.00	0-120	1552.03	100.00%
120-130	0.00	0-130	1552.03	100.00%
130-140	0.00	0-140	1552.03	100.00%
140-150	0.00	0-150	1552.03	100.00%
150-160	0.00	0-160	1552.03	100.00%
160-170	0.00	0-170	1552.03	100.00%
170-180	0.00	0-180	1552.03	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	3041	3042	3041	3041	3041	3041	3041	3041	3041	3041	3041	3041	3042	3041	3041	3041	3041	3041	3041
5	2938	2935	2934	2933	2931	2930	2931	2930	2931	2933	2934	2935	2938	2935	2934	2933	2931	2930	2931
10	2593	2589	2586	2583	2581	2584	2584	2584	2581	2583	2586	2589	2593	2589	2586	2583	2581	2584	2584
15	2036	2035	2036	2037	2036	2040	2042	2040	2036	2037	2036	2035	2036	2035	2036	2037	2036	2040	2042
20	1472	1470	1477	1480	1484	1487	1486	1487	1484	1480	1477	1470	1472	1470	1477	1480	1484	1487	1486
25	1058	1058	1064	1067	1075	1075	1077	1075	1075	1067	1064	1058	1058	1058	1064	1067	1075	1075	1077
30	704	708	710	714	720	724	725	724	720	714	710	708	704	708	710	714	720	724	725
35	304	302	305	308	306	305	303	305	306	308	305	302	304	302	305	308	306	305	303
40	61.5	60.8	59.4	50.0	59.7	61.7	63.5	61.7	59.7	50.0	59.4	60.8	61.5	60.8	59.4	50.0	59.7	61.7	63.5
45	26.3	26.1	26.1	26.0	26.0	26.1	26.0	26.1	26.0	26.1	26.1	26.3	26.1	26.1	26.0	26.0	26.1	26.0	26.0
50	21.6	21.5	21.4	21.3	21.3	21.3	21.1	21.3	21.3	21.3	21.4	21.5	21.6	21.5	21.4	21.3	21.3	21.3	21.1
55	14.3	14.1	14.0	13.9	14.0	14.0	14.0	14.0	14.0	13.9	14.0	14.1	14.3	14.1	14.0	13.9	14.0	14.0	14.0
60	5.95	5.88	5.76	5.75	5.74	5.80	5.75	5.80	5.74	5.75	5.76	5.88	5.95	5.88	5.76	5.75	5.74	5.80	5.75
65	2.73	2.61	2.55	2.52	2.54	2.55	2.51	2.55	2.54	2.52	2.55	2.61	2.73	2.61	2.55	2.52	2.54	2.55	2.51
70	1.02	0.93	0.91	0.93	0.95	0.95	0.93	0.95	0.93	0.91	0.93	1.02	0.93	0.91	0.93	0.95	0.95	0.93	0.93
75	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	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) y (DEG)	285	300	315	330	345														
0	3041	3041	3041	3041	3042														
5	2930	2931	2933	2934	2935														
10	2584	2581	2583	2586	2589														
15	2040	2036	2037	2036	2035														
20	1487	1484	1480	1477	1470														
25	1075	1075	1067	1064	1058														
30	724	720	714	710	708														
35	305	306	308	305	302														
40	61.7	59.7	50.0	59.4	60.8														
45	26.1	26.0	26.0	26.1	26.1														
50	21.3	21.3	21.3	21.4	21.5														
55	14.0	14.0	13.9	14.0	14.1														
60	5.80	5.74	5.75	5.76	5.88														
65	2.55	2.54	2.52	2.55	2.61														
70	0.95	0.95	0.93	0.91	0.93														
75	0.09	0.09	0.08	0.08	0.08														
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

<b>Model No.</b>	PIVOTLB @20W2700K	<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	0.166	19.4	0.976	12.93

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