

## Photometric Test Report

### Relevant Standards

- ☒ ANSI/IES LM-79-2019
- ☒ ANSI C82.77-2017

Prepared For

**RAB Lighting Inc.**

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Revised Date: N/A

## 1.0 Test Summary

DLC Technical Requirements V6.0

Track or Mono-Point Directional Luminaires					
Requirement Category		Test Method	Requirements		Test Value
Luminaire Output (lm) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	250		965
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Standard	Premium	96.5
			95	110	
Power (Input Wattage) (W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Case		10.0
Total Harmonic Distortion (A%) (THD & PF – Section 4.3)		ANSI C82.77:2002 ANSI C82-77-10:2020	20.00%	120V	13.36
Power Factor (THD & PF – Section 4.3)		ANSI C82.77:2002 ANSI C82-77-10:2020	0.9	120V	0.946
Allowable CCTs* (K) (Integrating Sphere – Section 4.1)		ANSI/IES LM-79:2019	7 steps	3465±245	3392
			4 steps	3465±124	
Minimum CRI (Integrating Sphere – Section 4.1)		ANSI/IES LM-79:2019 CIE13.3-1995	≥80		96.8
Minimum R9 (Integrating Sphere – Section 4.1)		ANSI/IES LM-79-2019 CIE13.3-1995	≥0		80
Minimum Rf (Integrating Sphere – Section 4.1)		ANSI/IES TM-30-18	≥70		93
Minimum Rg (Integrating Sphere – Section 4.1)		ANSI/IES TM-30-18	≥89		99
IES Rcs,h1 (Integrating Sphere – Section 4.1)		ANSI/IES TM-30-18	-12%≤IES Rcs,h1≤+23%		-3%
Zonal Lumen Requirement (0°-90°) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	≥85%		100.0%
Input Voltage (V)					
(Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Cast		120.0
(Goniophotometer – Section 4.2)			Non-Worst Case		N/A
Input Current (A)					
(Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Case		0.088
(Goniophotometer – Section 4.2)			Non-Worst Case		N/A
Power (Input Wattage – W)					
(Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Case		10.0
(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	2025-09-17	PIVOTL24DB @10W3500K	-	250903022-S1
2	Goniophotometer Test	2025-09-17	PIVOTL24DB @10W3500K	-	250903022-S1
3	THD and PF Test	2025-09-17	PIVOTL24DB @10W3500K	-	250903022-S1

### Remark (If any):

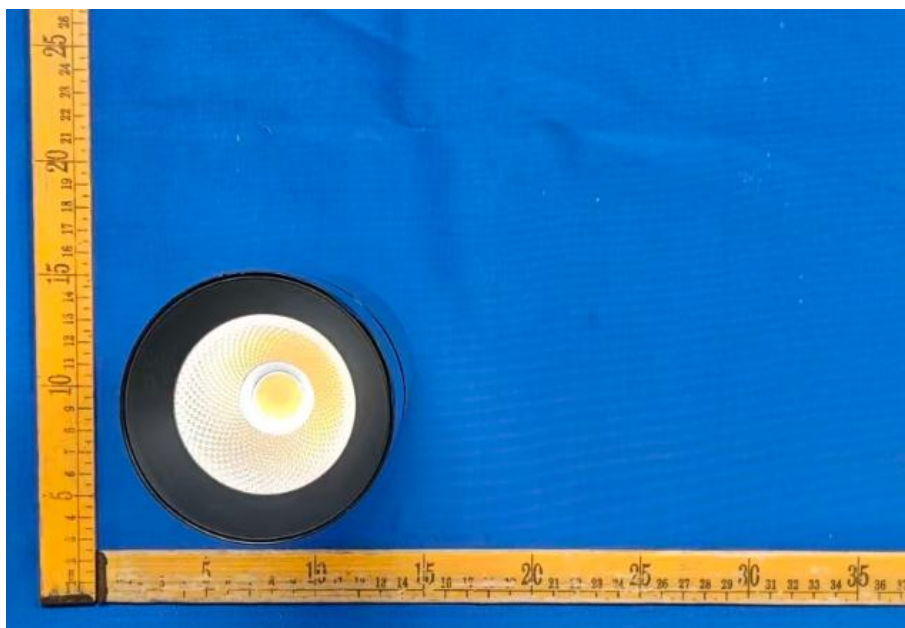
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### 3.0 Product Description

Luminaire Description: Model No. PIVOTL24DB @10W3500K, 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.	PIVOTL24DB @10W3500K	Sample ID	250903022-S1
Operate time (Min.)	10	Stabilization time (Min.)	60
Temperature (°C)	25.4	Humidity (%RH)	41.0

#### Test Method

The Samples were tested according to the ANSI/IES LM-79:2019.

Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at  $25\pm1^{\circ}\text{C}$ .

The sample measurements were made using a spectroradiometer connected by a fiber optic cable and detector through the detector port of the integrating sphere.

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  $\pm 0.2$  percent under load.

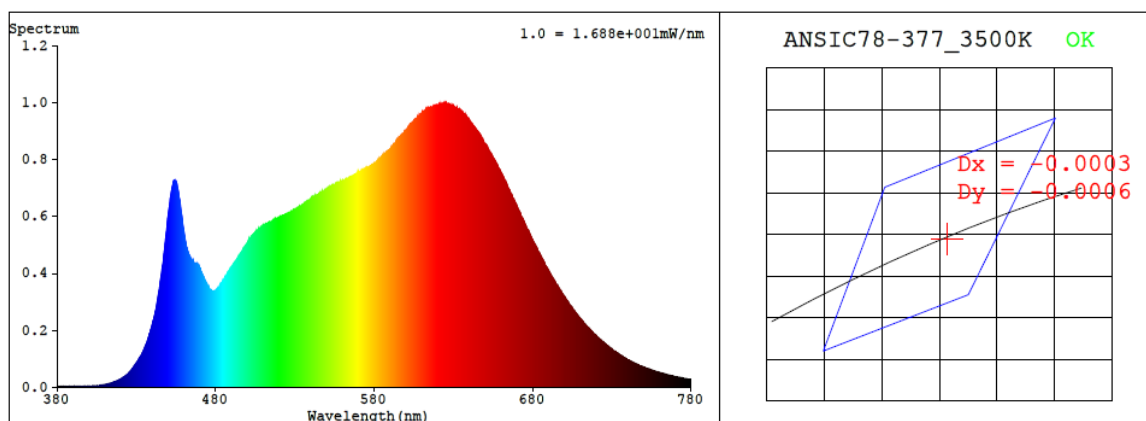
The sample was measured using  $4\pi$  geometry and operated at rated voltage and was stabilized before measurement. Chromaticity coordinates, correlated color temperature and color rendering index were calculated from the spectral radiant flux measurements taken at 1 nm intervals over the range of 380 to 780nm.

#### Test Result

Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
120.0	60	0.088	10.0	0.946

CCT (K)	CRI	R9	Duv	SDCM	Rf	Rg	IES Rcs,h1
3392	96.8	80	-0.0002	2.1	93	99	-3%

## 4.1 Integrating Sphere Test



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4113$   $y = 0.3931$  /  $u' = 0.2386$   $v' = 0.5131$  ( $duv = -2.22e-04$ )

CCT= 3392K Prcp WL:  $L_d = 581.4\text{nm}$  Purity=41.4%

Peak WL:  $L_p = 625\text{nm}$  FWHM:  $= 182.4\text{nm}$  Ratio: R=22.8% G=73.3% B=3.9%

Render Index:  $R_a = 96.8$  AvgR = 95.4 TM30:  $R_f = 94$   $R_g = 99$

EEL: 0.14334 A+

R1 =98	R2 =100	R3 =99	R4 =97	R5 =98	R6 =97	R7 =95
R8 =91	R9 =80	R10=99	R11=99	R12=83	R13=99	R14=99
R15=96						

## 4.1 Integrating Sphere Test

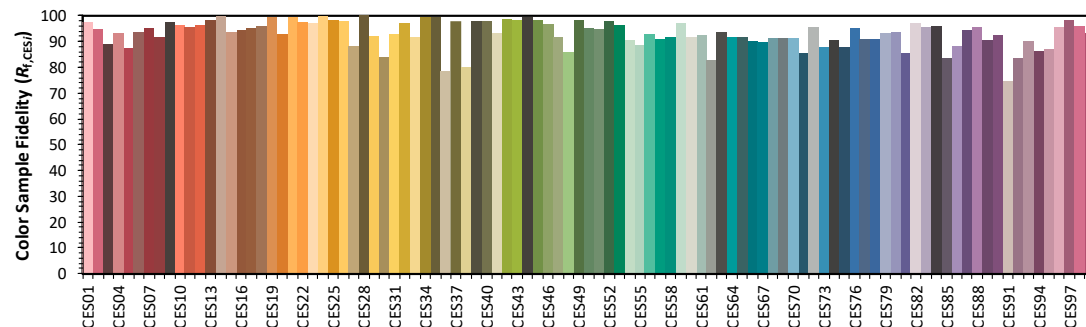
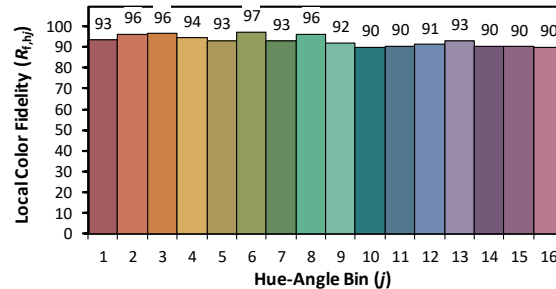
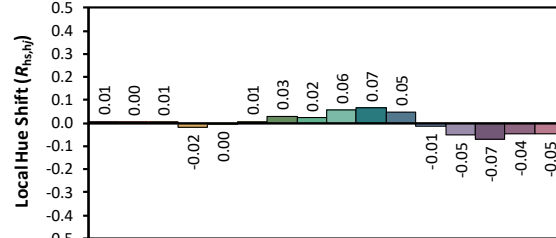
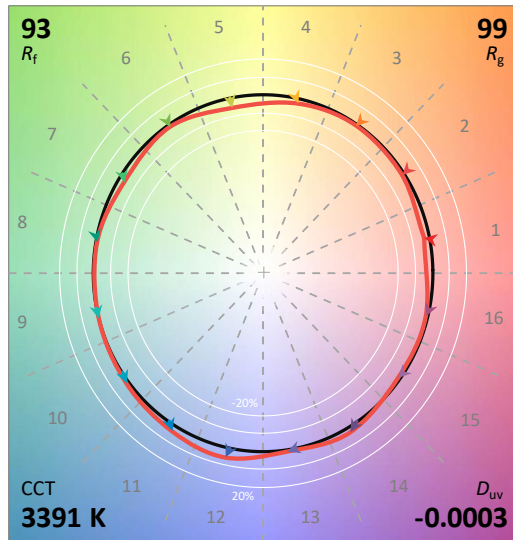
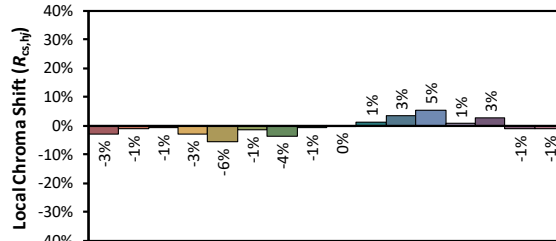
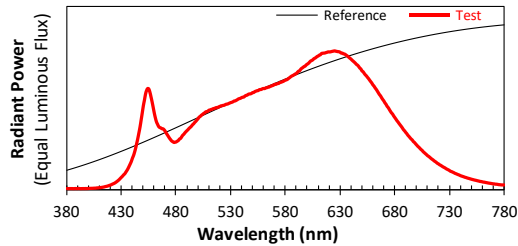
### ANSI/IES TM-30-18 Color Rendition Report

Source: 1 CIE F1

Manufacturer: RAB Lighting Inc.

Date: 2025/9/19

Model: PIVOTL24DB @10W3500K



Notes: This is a recommended method for displaying ANSI/IES TM-30-18 information.

$x$  0.4112  
 $y$  0.3930  
 $u'$  0.2386  
 $v'$  0.5131

CIE 13.3-1995  
(CRI)  
 $R_a$  97  
 $R_9$  80



## 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	3.40E-06	447	4.50E-04	514	5.81E-04	581	7.89E-04	648	8.74E-04	715	2.10E-04
381	2.70E-06	448	5.00E-04	515	5.82E-04	582	7.94E-04	649	8.68E-04	716	2.03E-04
382	2.80E-06	449	5.50E-04	516	5.86E-04	583	8.00E-04	650	8.54E-04	717	1.98E-04
383	2.90E-06	450	6.02E-04	517	5.89E-04	584	8.06E-04	651	8.48E-04	718	1.92E-04
384	2.70E-06	451	6.43E-04	518	5.89E-04	585	8.13E-04	652	8.37E-04	719	1.86E-04
385	2.90E-06	452	6.87E-04	519	5.94E-04	586	8.17E-04	653	8.26E-04	720	1.81E-04
386	2.20E-06	453	7.13E-04	520	5.97E-04	587	8.21E-04	654	8.18E-04	721	1.75E-04
387	2.70E-06	454	7.26E-04	521	6.01E-04	588	8.26E-04	655	8.08E-04	722	1.71E-04
388	3.30E-06	455	7.23E-04	522	6.02E-04	589	8.31E-04	656	7.98E-04	723	1.66E-04
389	2.60E-06	456	7.00E-04	523	6.05E-04	590	8.35E-04	657	7.87E-04	724	1.61E-04
390	2.80E-06	457	6.66E-04	524	6.06E-04	591	8.44E-04	658	7.76E-04	725	1.56E-04
391	3.70E-06	458	6.30E-04	525	6.10E-04	592	8.52E-04	659	7.66E-04	726	1.52E-04
392	2.50E-06	459	5.90E-04	526	6.13E-04	593	8.55E-04	660	7.53E-04	727	1.47E-04
393	2.60E-06	460	5.49E-04	527	6.14E-04	594	8.66E-04	661	7.44E-04	728	1.42E-04
394	2.70E-06	461	5.14E-04	528	6.18E-04	595	8.73E-04	662	7.31E-04	729	1.38E-04
395	3.00E-06	462	4.85E-04	529	6.21E-04	596	8.78E-04	663	7.21E-04	730	1.34E-04
396	2.70E-06	463	4.68E-04	530	6.25E-04	597	8.85E-04	664	7.08E-04	731	1.28E-04
397	3.30E-06	464	4.52E-04	531	6.27E-04	598	8.88E-04	665	6.95E-04	732	1.26E-04
398	3.10E-06	465	4.45E-04	532	6.30E-04	599	8.97E-04	666	6.83E-04	733	1.22E-04
399	3.40E-06	466	4.41E-04	533	6.36E-04	600	9.03E-04	667	6.73E-04	734	1.18E-04
400	3.90E-06	467	4.36E-04	534	6.37E-04	601	9.08E-04	668	6.59E-04	735	1.13E-04
401	4.40E-06	468	4.35E-04	535	6.41E-04	602	9.16E-04	669	6.47E-04	736	1.11E-04
402	4.60E-06	469	4.28E-04	536	6.46E-04	603	9.25E-04	670	6.37E-04	737	1.07E-04
403	4.90E-06	470	4.17E-04	537	6.51E-04	604	9.29E-04	671	6.23E-04	738	1.04E-04
404	5.10E-06	471	4.03E-04	538	6.54E-04	605	9.34E-04	672	6.12E-04	739	1.01E-04
405	5.90E-06	472	3.91E-04	539	6.56E-04	606	9.42E-04	673	5.98E-04	740	9.66E-05
406	5.90E-06	473	3.79E-04	540	6.61E-04	607	9.46E-04	674	5.88E-04	741	9.39E-05
407	7.10E-06	474	3.66E-04	541	6.64E-04	608	9.51E-04	675	5.75E-04	742	9.11E-05
408	7.90E-06	475	3.56E-04	542	6.65E-04	609	9.58E-04	676	5.62E-04	743	8.85E-05
409	8.50E-06	476	3.47E-04	543	6.72E-04	610	9.62E-04	677	5.50E-04	744	8.53E-05
410	9.30E-06	477	3.42E-04	544	6.77E-04	611	9.68E-04	678	5.42E-04	745	8.32E-05
411	1.05E-05	478	3.37E-04	545	6.79E-04	612	9.71E-04	679	5.28E-04	746	8.04E-05
412	1.15E-05	479	3.38E-04	546	6.84E-04	613	9.79E-04	680	5.17E-04	747	7.79E-05
413	1.31E-05	480	3.40E-04	547	6.87E-04	614	9.81E-04	681	5.06E-04	748	7.59E-05
414	1.45E-05	481	3.46E-04	548	6.88E-04	615	9.82E-04	682	4.94E-04	749	7.33E-05
415	1.69E-05	482	3.50E-04	549	6.91E-04	616	9.83E-04	683	4.84E-04	750	7.09E-05
416	1.86E-05	483	3.61E-04	550	6.97E-04	617	9.86E-04	684	4.73E-04	751	6.87E-05
417	2.05E-05	484	3.65E-04	551	6.98E-04	618	9.88E-04	685	4.62E-04	752	6.68E-05
418	2.31E-05	485	3.76E-04	552	7.04E-04	619	9.91E-04	686	4.52E-04	753	6.46E-05
419	2.61E-05	486	3.88E-04	553	7.07E-04	620	9.91E-04	687	4.41E-04	754	6.30E-05
420	2.84E-05	487	3.96E-04	554	7.10E-04	621	9.91E-04	688	4.28E-04	755	6.09E-05
421	3.24E-05	488	4.06E-04	555	7.11E-04	622	9.93E-04	689	4.20E-04	756	5.89E-05
422	3.62E-05	489	4.15E-04	556	7.17E-04	623	9.95E-04	690	4.09E-04	757	5.71E-05
423	3.96E-05	490	4.23E-04	557	7.19E-04	624	9.97E-04	691	4.00E-04	758	5.48E-05
424	4.38E-05	491	4.30E-04	558	7.20E-04	625	9.98E-04	692	3.88E-04	759	5.38E-05
425	4.92E-05	492	4.40E-04	559	7.25E-04	626	9.96E-04	693	3.80E-04	760	5.20E-05
426	5.52E-05	493	4.46E-04	560	7.26E-04	627	9.95E-04	694	3.70E-04	761	5.00E-05
427	6.16E-05	494	4.54E-04	561	7.26E-04	628	9.93E-04	695	3.61E-04	762	4.91E-05
428	6.87E-05	495	4.64E-04	562	7.31E-04	629	9.92E-04	696	3.54E-04	763	4.72E-05
429	7.72E-05	496	4.72E-04	563	7.32E-04	630	9.89E-04	697	3.43E-04	764	4.58E-05
430	8.52E-05	497	4.82E-04	564	7.36E-04	631	9.82E-04	698	3.37E-04	765	4.41E-05
431	9.31E-05	498	4.89E-04	565	7.37E-04	632	9.83E-04	699	3.27E-04	766	4.25E-05
432	1.03E-04	499	4.99E-04	566	7.41E-04	633	9.77E-04	700	3.18E-04	767	4.14E-05
433	1.10E-04	500	5.08E-04	567	7.44E-04	634	9.76E-04	701	3.09E-04	768	4.01E-05
434	1.22E-04	501	5.19E-04	568	7.48E-04	635	9.71E-04	702	3.02E-04	769	3.87E-05
435	1.34E-04	502	5.24E-04	569	7.50E-04	636	9.65E-04	703	2.94E-04	770	3.72E-05
436	1.48E-04	503	5.33E-04	570	7.57E-04	637	9.59E-04	704	2.86E-04	771	3.66E-05
437	1.65E-04	504	5.38E-04	571	7.56E-04	638	9.52E-04	705	2.79E-04	772	3.49E-05
438	1.81E-04	505	5.45E-04	572	7.60E-04	639	9.45E-04	706	2.70E-04	773	3.46E-05
439	1.99E-04	506	5.50E-04	573	7.62E-04	640	9.39E-04	707	2.63E-04	774	3.34E-05
440	2.22E-04	507	5.57E-04	574	7.64E-04	641	9.31E-04	708	2.55E-04	775	3.18E-05
441	2.42E-04	508	5.59E-04	575	7.71E-04	642	9.24E-04	709	2.49E-04	776	3.09E-05
442	2.67E-04	509	5.62E-04	576	7.72E-04	643	9.17E-04	710	2.41E-04	777	3.00E-05
443	2.97E-04	510	5.70E-04	577	7.75E-04	644	9.09E-04	711	2.36E-04	778	2.92E-05
444	3.32E-04	511	5.71E-04	578	7.78E-04	645	9.00E-04	712	2.29E-04	779	2.92E-05
445	3.68E-04	512	5.75E-04	579	7.83E-04	646	8.95E-04	713	2.22E-04	780	2.93E-05
446	4.08E-04	513	5.77E-04	580	7.87E-04	647	8.86E-04	714	2.16E-04	N/A	N/A



## 4.0 LM-79 Measurement and Test Results

### 4.2 Goniophotometer Test

Model No.	PIVOTL24DB @10W3500K	Sample ID	250903022-S1
Operate time (Min.)	30	Stabilization time (Min.)	60
Temperature (°C)	25.0	Humidity (%RH)	40.8

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 <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
WORST CASE	120.0	60	0.088	10.0	0.946
NON-WORST CASE	N/A	N/A	N/A	N/A	N/A

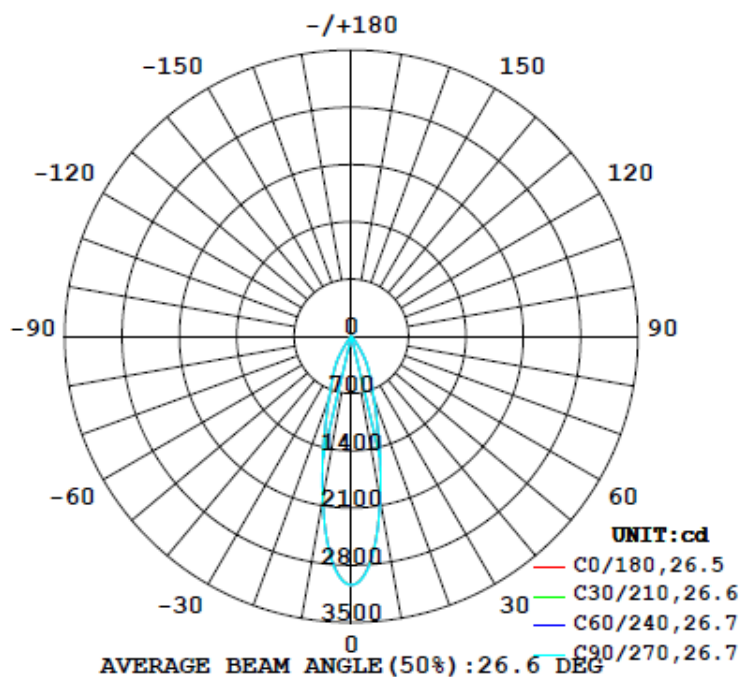
#### Test Result

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°)
965	62.0	63.2	26.5	26.8	96.5	100.0%

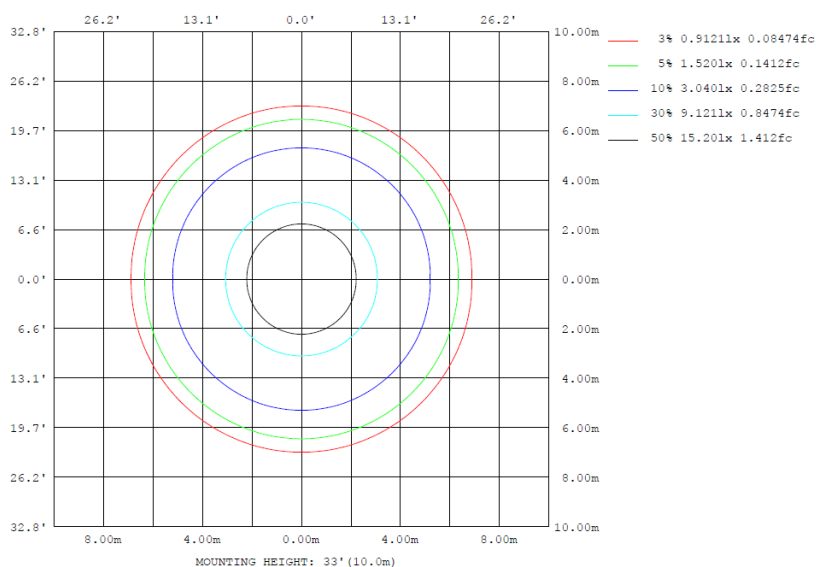
## 4.2 Goniophotometer Test

### 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	2017	2024	2029	2024	2017	2024	2029	2024	0- 10	238.5	238.5	24.7,24.7
20	771.5	788.4	797.4	788.4	771.5	788.4	797.4	788.4	10- 20	359.2	597.7	61.9,61.9
30	346.8	361.8	369.3	361.8	346.8	361.8	369.3	361.8	20- 30	247.6	845.3	87.6,87.6
40	25.07	25.16	24.73	25.16	25.07	25.16	24.73	25.16	30- 40	101.5	946.9	98.1,98.1
50	8.376	8.551	8.798	8.551	8.376	8.551	8.798	8.551	40- 50	10.45	957.3	99.2,99.2
60	3.701	3.878	4.106	3.878	3.701	3.878	4.106	3.878	50- 60	5.735	963.1	99.8,99.8
70	0.5126	0.5674	0.6708	0.5674	0.5126	0.5674	0.6708	0.5674	60- 70	1.853	964.9	100,100
80	0.0221	0.0211	0.0227	0.0211	0.0221	0.0211	0.0227	0.0211	70- 80	0.1233	965.1	100,100
90	0	0	0	0	0	0	0	0	80- 90	0.0125	965.1	100,100
100	0	0	0	0	0	0	0	0	90-100	0	965.1	100,100
110	0	0	0	0	0	0	0	0	100-110	0	965.1	100,100
120	0	0	0	0	0	0	0	0	110-120	0	965.1	100,100
130	0	0	0	0	0	0	0	0	120-130	0	965.1	100,100
140	0	0	0	0	0	0	0	0	130-140	0	965.1	100,100
150	0	0	0	0	0	0	0	0	140-150	0	965.1	100,100
160	0	0	0	0	0	0	0	0	150-160	0	965.1	100,100
170	0	0	0	0	0	0	0	0	160-170	0	965.1	100,100
180	0	0	0	0	0	0	0	0	170-180	0	965.1	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Zonal (lm)	Total (lm)	Percent
0-10	238.53	24.72%
10-20	359.18	61.94%
20-30	247.63	87.59%
30-40	101.55	98.12%
40-50	10.45	99.20%
50-60	5.74	99.79%
60-70	1.85	99.99%
70-80	0.12	100.00%
80-90	0.01	100.00%
90-100	0.00	100.00%
100-110	0.00	100.00%
110-120	0.00	100.00%
120-130	0.00	100.00%
130-140	0.00	100.00%
140-150	0.00	100.00%
150-160	0.00	100.00%
160-170	0.00	100.00%
170-180	0.00	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	3040	3040	3039	3042	3041	3041	3040	3041	3041	3042	3039	3040	3040	3040	3039	3042	3041	3041	3040
5	2743	2745	2745	2745	2747	2752	2753	2752	2747	2745	2745	2745	2743	2745	2745	2745	2747	2752	2753
10	2017	2020	2022	2024	2025	2028	2029	2028	2025	2024	2022	2020	2017	2020	2022	2024	2025	2028	2029
15	1282	1285	1289	1294	1296	1300	1302	1300	1296	1294	1289	1285	1282	1285	1289	1294	1296	1300	1302
20	772	779	785	788	793	795	797	795	793	788	785	779	772	779	785	788	793	795	797
25	524	530	535	537	539	541	542	541	539	537	535	530	524	530	535	537	539	541	542
30	347	352	357	362	365	369	369	369	365	362	357	352	347	352	357	362	365	369	369
35	145	149	154	158	161	164	164	164	161	158	154	149	145	149	154	158	161	164	164
40	25.1	25.2	25.1	25.2	25.1	24.7	24.7	24.7	25.1	25.2	25.1	25.2	25.1	25.2	25.1	25.2	25.1	24.7	24.7
45	11.3	11.4	11.5	11.6	11.7	11.8	12.0	11.8	11.7	11.6	11.5	11.4	11.3	11.4	11.5	11.6	11.7	11.8	12.0
50	8.38	8.42	8.50	8.55	8.64	8.71	8.80	8.71	8.64	8.55	8.50	8.42	8.38	8.42	8.50	8.55	8.64	8.71	8.80
55	6.31	6.39	6.51	6.61	6.68	6.76	6.88	6.76	6.68	6.61	6.51	6.39	6.31	6.39	6.51	6.61	6.68	6.76	6.88
60	3.70	3.76	3.80	3.88	3.96	4.01	4.11	4.01	3.96	3.88	3.80	3.76	3.70	3.76	3.80	3.88	3.96	4.01	4.11
65	1.60	1.64	1.67	1.69	1.74	1.80	1.85	1.80	1.74	1.69	1.67	1.64	1.60	1.64	1.67	1.69	1.74	1.80	1.85
70	0.51	0.51	0.53	0.57	0.59	0.62	0.67	0.62	0.59	0.57	0.53	0.51	0.51	0.53	0.57	0.59	0.62	0.67	0.67
75	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
80	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
85	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
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	3041	3041	3042	3039	3040														
5	2752	2747	2745	2745	2745														
10	2028	2025	2024	2022	2020														
15	1300	1296	1294	1289	1285														
20	795	793	788	785	779														
25	541	539	537	535	530														
30	369	365	362	357	352														
35	164	161	158	154	149														
40	24.7	25.1	25.2	25.1	25.2														
45	11.8	11.7	11.6	11.5	11.4														
50	8.71	8.64	8.55	8.50	8.42														
55	6.76	6.68	6.61	6.51	6.39														
60	4.01	3.96	3.88	3.80	3.76														
65	1.80	1.74	1.69	1.67	1.64														
70	0.62	0.59	0.57	0.53	0.51														
75	0.04	0.04	0.04	0.04	0.04														
80	0.02	0.02	0.02	0.02	0.02														
85	0.01	0.01	0.01	0.01	0.01														
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>	PIVOTL24DB @10W3500K	<b>Sample ID</b>	250903022-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 25±1°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	0.088	10.0	0.946	13.36

## 5.0 Equipment List:

Equipment ID	Equipment Name	Last Cal.	Due Cal.
NTC-F01-001	Goniophotometer System	2024-11-07	2025-11-06
NTC-F01-006	2.0 meter Integrating Sphere	2024-11-07	2025-11-06
NTC-F01-012	Standard Lamp	2024-10-28	2025-10-27
NTC-F01-013	Standard Lamp	2024-10-28	2025-10-27
NTC-F01-031	Digital Power Meter	2025-08-04	2026-08-03
NTC-F01-019	Temperature & Humidity Meter	2024-10-29	2025-10-28

\*\*\*\*\*End of Report\*\*\*\*\*