

## 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		1498
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Standard	Premium	99.9
			95	110	
Power (Input Wattage) (W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	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	9.75
Power Factor (THD & PF – Section 4.3)		ANSI C82.77:2002 ANSI C82-77-10:2020	0.9	120V	0.973
Allowable CCTs* (K) (Integrating Sphere – Section 4.1)		ANSI/IES LM-79:2019	7 steps	5029±283	4994
			4 steps	5029±220	
Minimum CRI (Integrating Sphere – Section 4.1)		ANSI/IES LM-79:2019 CIE13.3-1995	≥80		92.8
Minimum R9 (Integrating Sphere – Section 4.1)		ANSI/IES LM-79-2019 CIE13.3-1995	≥0		65
Minimum Rf (Integrating Sphere – Section 4.1)		ANSI/IES TM-30-18	≥70		91
Minimum Rg (Integrating Sphere – Section 4.1)		ANSI/IES TM-30-18	≥89		97
IES Rcs,h1 (Integrating Sphere – Section 4.1)		ANSI/IES TM-30-18	-12%≤IES Rcs,h1≤+23%		-5%
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		0.128
(Goniophotometer – Section 4.2)			Non-Worst Case		N/A
Power (Input Wattage – W)					
(Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	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	2025-09-17	PIVOTL24DB @15W5000K	-	250903022-S1
2	Goniophotometer Test	2025-09-17	PIVOTL24DB @15W5000K	-	250903022-S1
3	THD and PF Test	2025-09-17	PIVOTL24DB @15W5000K	-	250903022-S1

### Remark (If any):

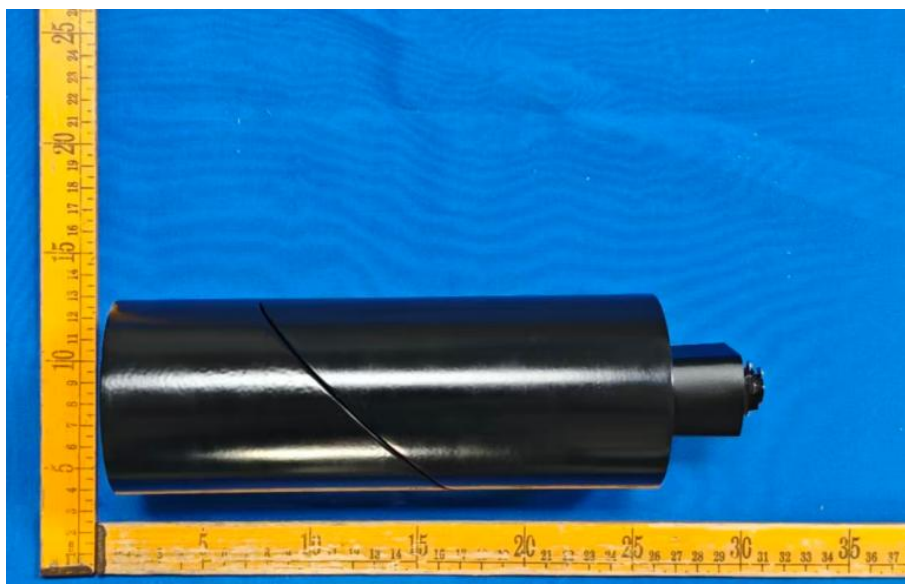
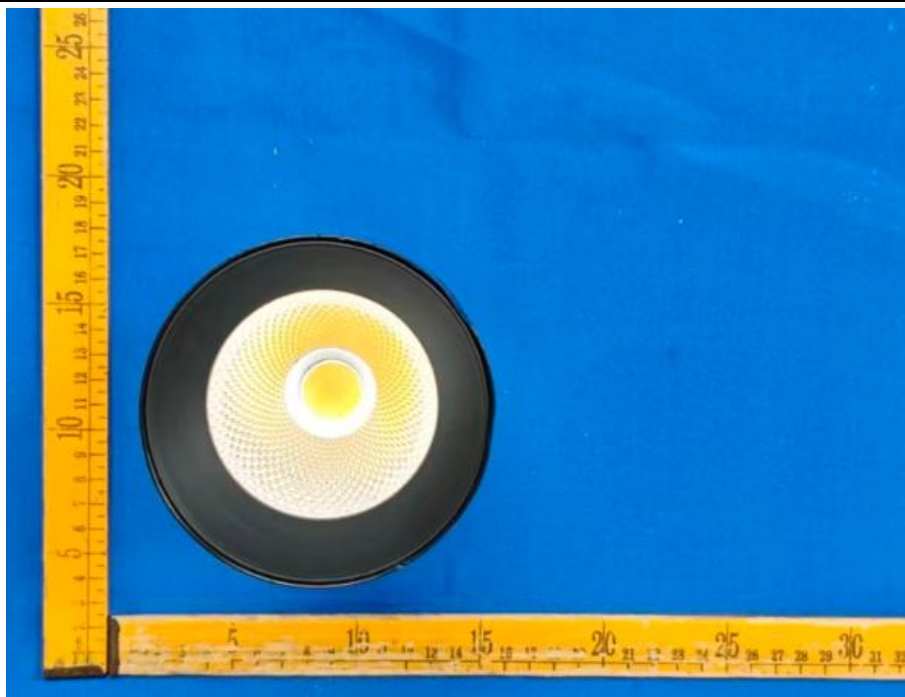
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### 3.0 Product Description

Luminaire Description: Model No. PIVOTL24DB @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>	PIVOTL24DB @15W5000K	<b>Sample ID</b>	250903022-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

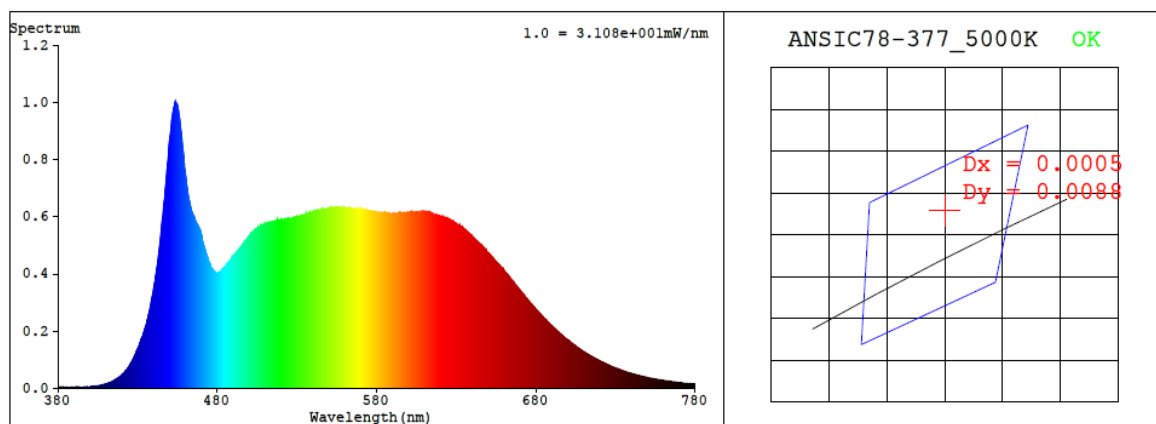
<b>Test Method</b>
<p>The Samples were tested according to the ANSI/IES LM-79:2019.</p> <p>Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at 25±1°C.</p> <p>The sample measurements were 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 4<math>\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	0.128	15.0	0.973

<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>
4994	92.8	65	0.0042	2.4	91	97	-5%

## 4.1 Integrating Sphere Test



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.3458$   $y = 0.3606$  /  $u' = 0.2085$   $v' = 0.4891$  ( $duv=4.18e-03$ )

CCT= 4994K Prcp WL: Ld=569.1nm Purity=12.0%

Peak WL: Lp=454nm FWHM: =27.6nm Ratio:R=17.0% G=77.4% B=5.6%

Render Index: Ra = 92.8 AvgR = 89.4 TM30:Rf=92 Rg=98

EEL: 0.14969 A+

R1 =93	R2 =97	R3 =98	R4 =90	R5 =91	R6 =94	R7 =93
R8 =86	R9 =65	R10=91	R11=91	R12=69	R13=94	R14=99 R15=89

## 4.1 Integrating Sphere Test

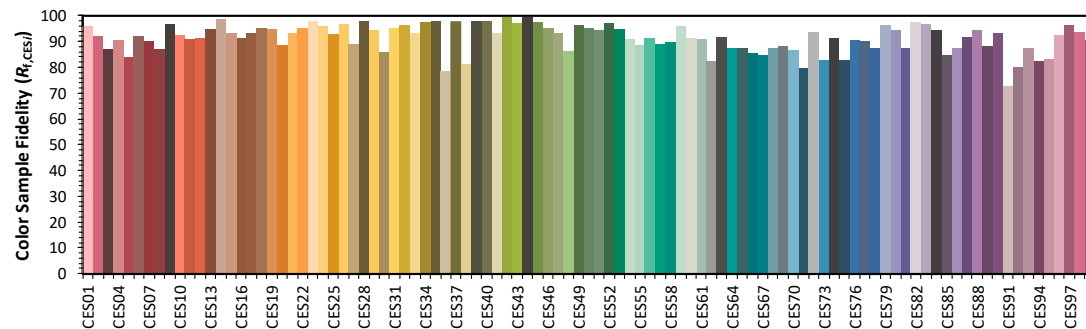
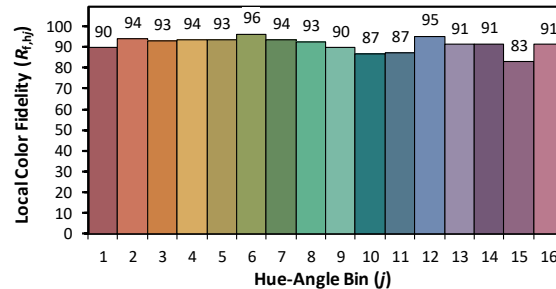
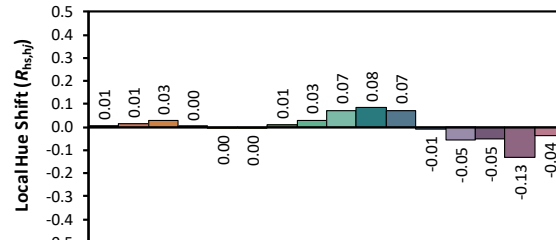
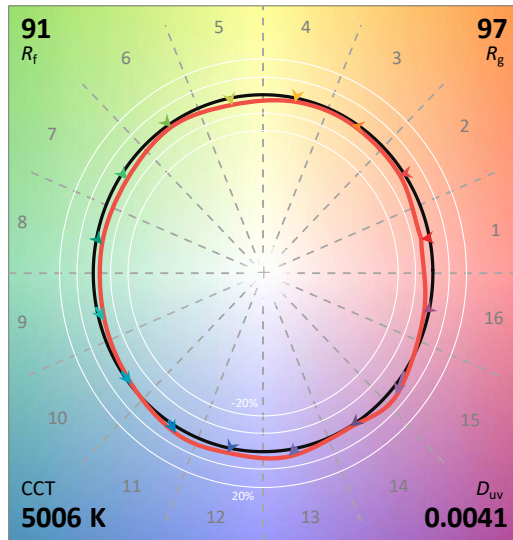
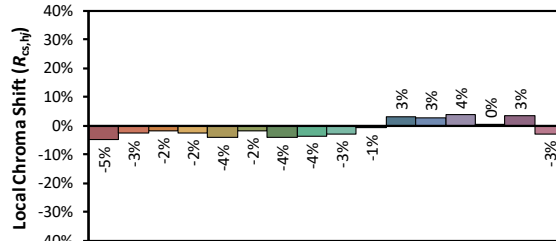
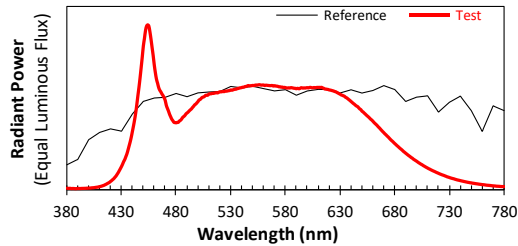
### ANSI/IES TM-30-18 Color Rendition Report

Source: 1 CIE F1

Manufacturer: RAB Lighting Inc.

Date: 2025/9/19

Model: PIVOTL24DB @15W5000K



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

$x$  0.3457  
 $y$  0.3605  
 $u'$  0.2085  
 $v'$  0.4890

CIE 13.3-1995  
(CRI)  
 $R_a$  93  
 $R_9$  64



## 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	5.50E-06	447	6.75E-04	514	5.81E-04	581	6.14E-04	648	4.86E-04	715	1.11E-04
381	5.00E-06	448	7.38E-04	515	5.82E-04	582	6.13E-04	649	4.82E-04	716	1.08E-04
382	4.30E-06	449	8.01E-04	516	5.84E-04	583	6.14E-04	650	4.73E-04	717	1.05E-04
383	5.00E-06	450	8.68E-04	517	5.84E-04	584	6.13E-04	651	4.68E-04	718	1.02E-04
384	3.30E-06	451	9.14E-04	518	5.84E-04	585	6.16E-04	652	4.62E-04	719	9.89E-05
385	3.90E-06	452	9.63E-04	519	5.87E-04	586	6.15E-04	653	4.56E-04	720	9.60E-05
386	3.80E-06	453	9.89E-04	520	5.90E-04	587	6.13E-04	654	4.49E-04	721	9.28E-05
387	3.30E-06	454	9.96E-04	521	5.90E-04	588	6.12E-04	655	4.43E-04	722	9.02E-05
388	2.70E-06	455	9.89E-04	522	5.91E-04	589	6.11E-04	656	4.37E-04	723	8.75E-05
389	3.30E-06	456	9.54E-04	523	5.92E-04	590	6.09E-04	657	4.31E-04	724	8.51E-05
390	3.80E-06	457	9.09E-04	524	5.92E-04	591	6.12E-04	658	4.24E-04	725	8.29E-05
391	3.90E-06	458	8.59E-04	525	5.95E-04	592	6.09E-04	659	4.19E-04	726	8.00E-05
392	3.70E-06	459	8.09E-04	526	5.94E-04	593	6.10E-04	660	4.12E-04	727	7.75E-05
393	4.00E-06	460	7.52E-04	527	5.96E-04	594	6.14E-04	661	4.04E-04	728	7.45E-05
394	4.40E-06	461	7.06E-04	528	5.97E-04	595	6.15E-04	662	3.98E-04	729	7.27E-05
395	4.40E-06	462	6.67E-04	529	5.98E-04	596	6.13E-04	663	3.92E-04	730	7.04E-05
396	4.70E-06	463	6.43E-04	530	6.02E-04	597	6.14E-04	664	3.85E-04	731	6.80E-05
397	4.90E-06	464	6.16E-04	531	6.00E-04	598	6.13E-04	665	3.77E-04	732	6.61E-05
398	5.60E-06	465	6.00E-04	532	6.02E-04	599	6.15E-04	666	3.71E-04	733	6.42E-05
399	5.70E-06	466	5.90E-04	533	6.05E-04	600	6.15E-04	667	3.63E-04	734	6.26E-05
400	6.30E-06	467	5.77E-04	534	6.06E-04	601	6.14E-04	668	3.56E-04	735	6.03E-05
401	6.60E-06	468	5.67E-04	535	6.07E-04	602	6.16E-04	669	3.49E-04	736	5.83E-05
402	7.00E-06	469	5.54E-04	536	6.10E-04	603	6.17E-04	670	3.42E-04	737	5.63E-05
403	8.00E-06	470	5.38E-04	537	6.11E-04	604	6.15E-04	671	3.35E-04	738	5.48E-05
404	8.30E-06	471	5.08E-04	538	6.14E-04	605	6.15E-04	672	3.29E-04	739	5.33E-05
405	9.10E-06	472	4.90E-04	539	6.14E-04	606	6.16E-04	673	3.22E-04	740	5.16E-05
406	1.01E-05	473	4.73E-04	540	6.16E-04	607	6.15E-04	674	3.16E-04	741	4.99E-05
407	1.13E-05	474	4.54E-04	541	6.18E-04	608	6.16E-04	675	3.09E-04	742	4.85E-05
408	1.20E-05	475	4.39E-04	542	6.18E-04	609	6.17E-04	676	3.02E-04	743	4.69E-05
409	1.35E-05	476	4.24E-04	543	6.22E-04	610	6.17E-04	677	2.95E-04	744	4.55E-05
410	1.50E-05	477	4.15E-04	544	6.23E-04	611	6.17E-04	678	2.90E-04	745	4.40E-05
411	1.66E-05	478	4.05E-04	545	6.25E-04	612	6.16E-04	679	2.83E-04	746	4.26E-05
412	1.86E-05	479	4.04E-04	546	6.28E-04	613	6.18E-04	680	2.76E-04	747	4.12E-05
413	2.09E-05	480	4.02E-04	547	6.26E-04	614	6.14E-04	681	2.71E-04	748	4.01E-05
414	2.32E-05	481	4.05E-04	548	6.27E-04	615	6.11E-04	682	2.64E-04	749	3.87E-05
415	2.67E-05	482	4.05E-04	549	6.28E-04	616	6.08E-04	683	2.58E-04	750	3.78E-05
416	2.98E-05	483	4.13E-04	550	6.29E-04	617	6.07E-04	684	2.52E-04	751	3.64E-05
417	3.38E-05	484	4.18E-04	551	6.28E-04	618	6.05E-04	685	2.46E-04	752	3.55E-05
418	3.72E-05	485	4.25E-04	552	6.30E-04	619	6.04E-04	686	2.41E-04	753	3.44E-05
419	4.14E-05	486	4.35E-04	553	6.31E-04	620	6.02E-04	687	2.35E-04	754	3.33E-05
420	4.67E-05	487	4.40E-04	554	6.31E-04	621	6.01E-04	688	2.29E-04	755	3.23E-05
421	5.19E-05	488	4.47E-04	555	6.32E-04	622	5.99E-04	689	2.23E-04	756	3.14E-05
422	5.80E-05	489	4.56E-04	556	6.33E-04	623	5.97E-04	690	2.18E-04	757	3.02E-05
423	6.37E-05	490	4.62E-04	557	6.32E-04	624	5.95E-04	691	2.13E-04	758	2.93E-05
424	7.19E-05	491	4.68E-04	558	6.31E-04	625	5.92E-04	692	2.07E-04	759	2.85E-05
425	7.95E-05	492	4.75E-04	559	6.32E-04	626	5.91E-04	693	2.02E-04	760	2.74E-05
426	8.98E-05	493	4.81E-04	560	6.31E-04	627	5.86E-04	694	1.98E-04	761	2.69E-05
427	1.00E-04	494	4.87E-04	561	6.28E-04	628	5.83E-04	695	1.92E-04	762	2.61E-05
428	1.12E-04	495	4.95E-04	562	6.30E-04	629	5.79E-04	696	1.88E-04	763	2.50E-05
429	1.24E-04	496	5.03E-04	563	6.30E-04	630	5.76E-04	697	1.82E-04	764	2.40E-05
430	1.37E-04	497	5.11E-04	564	6.29E-04	631	5.71E-04	698	1.78E-04	765	2.34E-05
431	1.51E-04	498	5.16E-04	565	6.28E-04	632	5.69E-04	699	1.74E-04	766	2.29E-05
432	1.67E-04	499	5.24E-04	566	6.28E-04	633	5.66E-04	700	1.69E-04	767	2.22E-05
433	1.80E-04	500	5.31E-04	567	6.28E-04	634	5.63E-04	701	1.64E-04	768	2.14E-05
434	1.97E-04	501	5.41E-04	568	6.28E-04	635	5.57E-04	702	1.60E-04	769	2.05E-05
435	2.15E-04	502	5.44E-04	569	6.25E-04	636	5.54E-04	703	1.56E-04	770	1.99E-05
436	2.38E-04	503	5.51E-04	570	6.27E-04	637	5.48E-04	704	1.51E-04	771	1.93E-05
437	2.63E-04	504	5.57E-04	571	6.25E-04	638	5.43E-04	705	1.48E-04	772	1.88E-05
438	2.88E-04	505	5.59E-04	572	6.25E-04	639	5.38E-04	706	1.43E-04	773	1.78E-05
439	3.17E-04	506	5.63E-04	573	6.24E-04	640	5.32E-04	707	1.39E-04	774	1.75E-05
440	3.51E-04	507	5.69E-04	574	6.21E-04	641	5.26E-04	708	1.35E-04	775	1.71E-05
441	3.84E-04	508	5.69E-04	575	6.21E-04	642	5.20E-04	709	1.32E-04	776	1.66E-05
442	4.21E-04	509	5.70E-04	576	6.18E-04	643	5.15E-04	710	1.28E-04	777	1.59E-05
443	4.62E-04	510	5.77E-04	577	6.19E-04	644	5.09E-04	711	1.24E-04	778	1.55E-05
444	5.12E-04	511	5.78E-04	578	6.16E-04	645	5.04E-04	712	1.21E-04	779	1.54E-05
445	5.67E-04	512	5.78E-04	579	6.17E-04	646	5.01E-04	713	1.17E-04	780	1.55E-05
446	6.18E-04	513	5.81E-04	580	6.16E-04	647	4.93E-04	714	1.14E-04	N/A	N/A



## 4.0 LM-79 Measurement and Test Results

### 4.2 Goniophotometer Test

Model No.	PIVOTL24DB @15W5000K	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	0.128	15.0	0.973
NON-WORST CASE	N/A	N/A	N/A	N/A	N/A

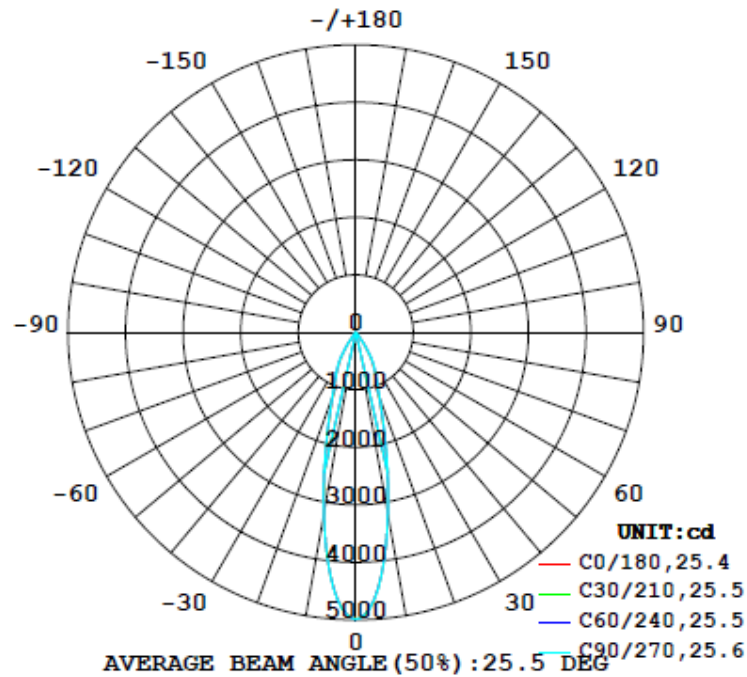
#### Test Result

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°)
1498	60.9	62.2	25.4	25.7	99.9	100.0%

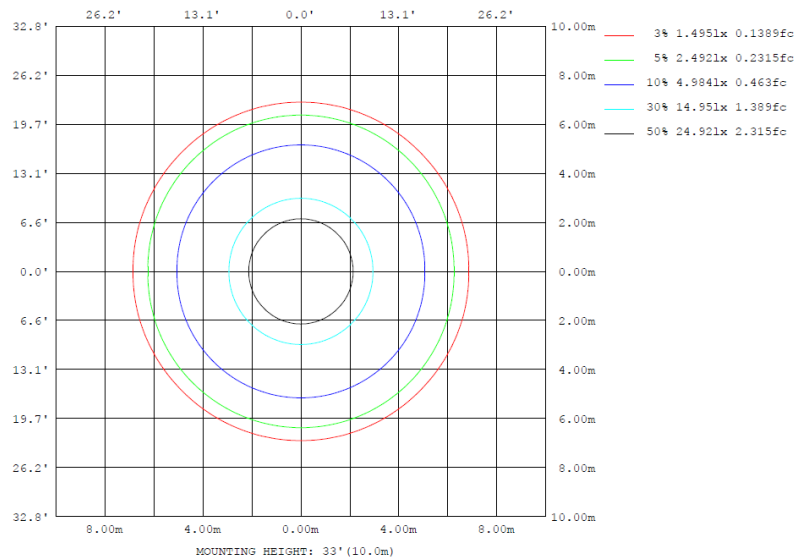
## 4.2 Goniophotometer Test

### 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	3204	3204	3206	3204	3204	3204	3206	3204	0- 10	384.6	384.6	25.7,25.7
20	1167	1189	1209	1189	1167	1189	1209	1189	10- 20	552.7	937.3	62.6,62.6
30	527.1	561.7	572.5	561.7	527.1	561.7	572.5	561.7	20- 30	377.5	1315	87.8,87.8
40	39.82	39.50	35.11	39.50	39.82	39.50	35.11	39.50	30- 40	155.2	1470	98.1,98.1
50	12.87	13.19	13.62	13.19	12.87	13.19	13.62	13.19	40- 50	15.96	1486	99.2,99.2
60	5.671	5.946	6.284	5.946	5.671	5.946	6.284	5.946	50- 60	8.825	1495	99.8,99.8
70	0.7754	0.8559	1.013	0.8559	0.7754	0.8559	1.013	0.8559	60- 70	2.828	1498	100,100
80	0.0328	0.0312	0.0335	0.0312	0.0328	0.0312	0.0335	0.0312	70- 80	0.1838	1498	100,100
90	0	0	0	0	0	0	0	0	80- 90	0.0183	1498	100,100
100	0	0	0	0	0	0	0	0	90-100	0	1498	100,100
110	0	0	0	0	0	0	0	0	100-110	0	1498	100,100
120	0	0	0	0	0	0	0	0	110-120	0	1498	100,100
130	0	0	0	0	0	0	0	0	120-130	0	1498	100,100
140	0	0	0	0	0	0	0	0	130-140	0	1498	100,100
150	0	0	0	0	0	0	0	0	140-150	0	1498	100,100
160	0	0	0	0	0	0	0	0	150-160	0	1498	100,100
170	0	0	0	0	0	0	0	0	160-170	0	1498	100,100
180	0	0	0	0	0	0	0	0	170-180	0	1498	100,100
DEG	LUMINOUS INTENSITY: cd									UNIT: lm		

Zonal (lm)		Total (lm)		Percent
0-10	384.57	0-10	384.57	25.68%
10-20	552.71	0-20	937.28	62.58%
20-30	377.51	0-30	1314.79	87.78%
30-40	155.15	0-40	1469.94	98.14%
40-50	15.96	0-50	1485.90	99.21%
50-60	8.82	0-60	1494.72	99.80%
60-70	2.83	0-70	1497.55	99.99%
70-80	0.18	0-80	1497.73	100.00%
80-90	0.02	0-90	1497.75	100.00%
90-100	0.00	0-100	1497.75	100.00%
100-110	0.00	0-110	1497.75	100.00%
110-120	0.00	0-120	1497.75	100.00%
120-130	0.00	0-130	1497.75	100.00%
130-140	0.00	0-140	1497.75	100.00%
140-150	0.00	0-150	1497.75	100.00%
150-160	0.00	0-160	1497.75	100.00%
160-170	0.00	0-170	1497.75	100.00%
170-180	0.00	0-180	1497.75	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	4984	4984	4985	4983	4987	4987	4988	4987	4987	4983	4985	4984	4984	4984	4985	4983	4987	4987	4988
5	4463	4467	4465	4462	4466	4471	4470	4471	4466	4462	4465	4467	4463	4467	4465	4462	4466	4471	4470
10	3204	3206	3207	3204	3204	3207	3206	3207	3204	3204	3207	3206	3204	3206	3207	3204	3204	3207	3206
15	1961	1973	1981	1988	1995	2002	2005	2002	1995	1988	1981	1973	1961	1973	1981	1988	1995	2002	2005
20	1167	1175	1183	1189	1198	1205	1209	1205	1198	1189	1183	1175	1167	1175	1183	1189	1198	1205	1209
25	801	808	814	816	816	816	815	816	816	816	814	808	801	808	814	816	816	816	815
30	527	537	550	562	570	574	572	574	570	562	550	537	527	537	550	562	570	574	572
35	233	236	235	234	237	241	239	241	237	234	235	236	233	236	235	234	237	241	239
40	39.8	40.4	39.5	39.5	37.6	35.3	35.1	35.3	37.6	39.5	39.5	40.4	39.8	40.4	39.5	39.5	37.6	35.3	35.1
45	17.3	17.4	17.6	17.8	17.9	18.2	18.4	18.2	17.9	17.8	17.6	17.4	17.3	17.4	17.6	17.8	17.9	18.2	18.4
50	12.9	12.9	13.1	13.2	13.3	13.5	13.6	13.5	13.3	13.2	13.1	12.9	12.9	12.9	13.1	13.2	13.3	13.5	13.6
55	9.61	9.74	9.93	10.1	10.3	10.4	10.6	10.4	10.3	10.1	9.93	9.74	9.61	9.74	9.93	10.1	10.3	10.4	10.6
60	5.67	5.76	5.83	5.95	6.07	6.14	6.28	6.14	6.07	5.95	5.83	5.76	5.67	5.76	5.83	5.95	6.07	6.14	6.28
65	2.44	2.51	2.56	2.57	2.66	2.74	2.82	2.74	2.66	2.57	2.56	2.51	2.44	2.51	2.56	2.57	2.66	2.74	2.82
70	0.78	0.76	0.80	0.86	0.89	0.95	1.01	0.95	0.89	0.86	0.80	0.76	0.78	0.76	0.80	0.86	0.89	0.95	1.01
75	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
80	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
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	4987	4987	4983	4985	4984														
5	4471	4466	4462	4465	4467														
10	3207	3204	3204	3207	3206														
15	2002	1995	1988	1981	1973														
20	1205	1198	1189	1183	1175														
25	816	816	816	814	808														
30	574	570	562	550	537														
35	241	237	234	235	236														
40	35.3	37.6	39.5	39.5	40.4														
45	18.2	17.9	17.8	17.6	17.4														
50	13.5	13.3	13.2	13.1	12.9														
55	10.4	10.3	10.1	9.93	9.74														
60	6.14	6.07	5.95	5.83	5.76														
65	2.74	2.66	2.57	2.56	2.51														
70	0.95	0.89	0.86	0.80	0.76														
75	0.06	0.06	0.06	0.06	0.06														
80	0.03	0.03	0.03	0.03	0.03														
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>	PIVOTL24DB @15W5000K	<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 <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	0.128	15.0	0.973	9.75

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