

## Photometric Test Report

### Relevant Standards

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

Prepared For

**RAB Lighting Inc.**

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Prepared By

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Issue Date: 2025-09-19

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		1764
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Standard	Premium	90.0
			95	110	
Power (Input Wattage) (W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Case		19.6
Total Harmonic Distortion (A%) (THD & PF – Section 4.3)		ANSI C82.77:2002 ANSI C82-77-10:2020	20.00%	120V	8.67
Power Factor (THD & PF – Section 4.3)		ANSI C82.77:2002 ANSI C82-77-10:2020	0.9	120V	0.983
Allowable CCTs* (K) (Integrating Sphere – Section 4.1)		ANSI/IES LM-79:2019	7 steps	3985±275	3873
			4 steps	3985±154	
Minimum CRI (Integrating Sphere – Section 4.1)		ANSI/IES LM-79:2019 CIE13.3-1995	≥80		96.1
Minimum R9 (Integrating Sphere – Section 4.1)		ANSI/IES LM-79-2019 CIE13.3-1995	≥0		78
Minimum Rf (Integrating Sphere – Section 4.1)		ANSI/IES TM-30-18	≥70		92
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		0.166
(Goniophotometer – Section 4.2)			Non-Worst Case		N/A
Power (Input Wattage – W)					
(Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Case		19.6
(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 @20W4000K	-	250903022-S1
2	Goniophotometer Test	2025-09-17	PIVOTL24DB @20W4000K	-	250903022-S1
3	THD and PF Test	2025-09-17	PIVOTL24DB @20W4000K	-	250903022-S1

### Remark (If any):

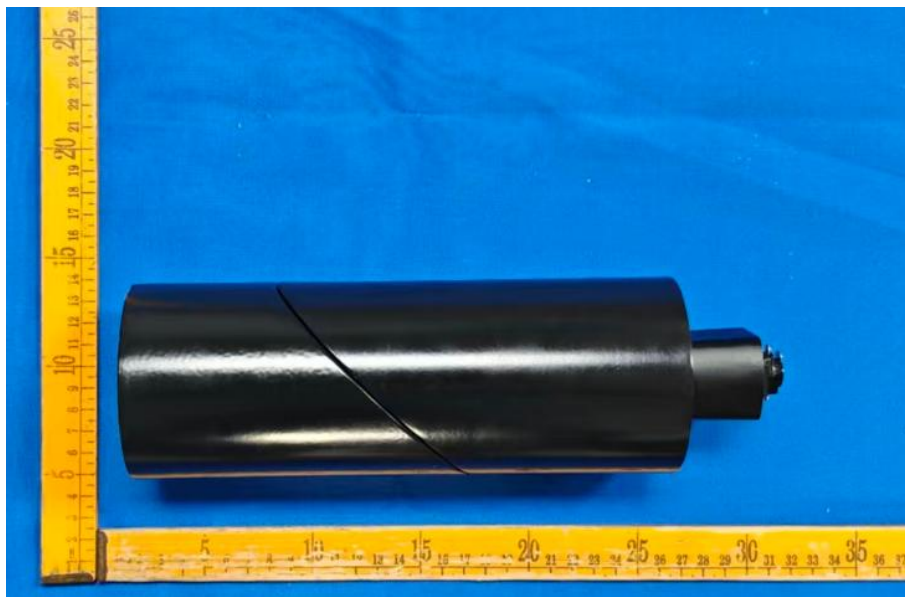
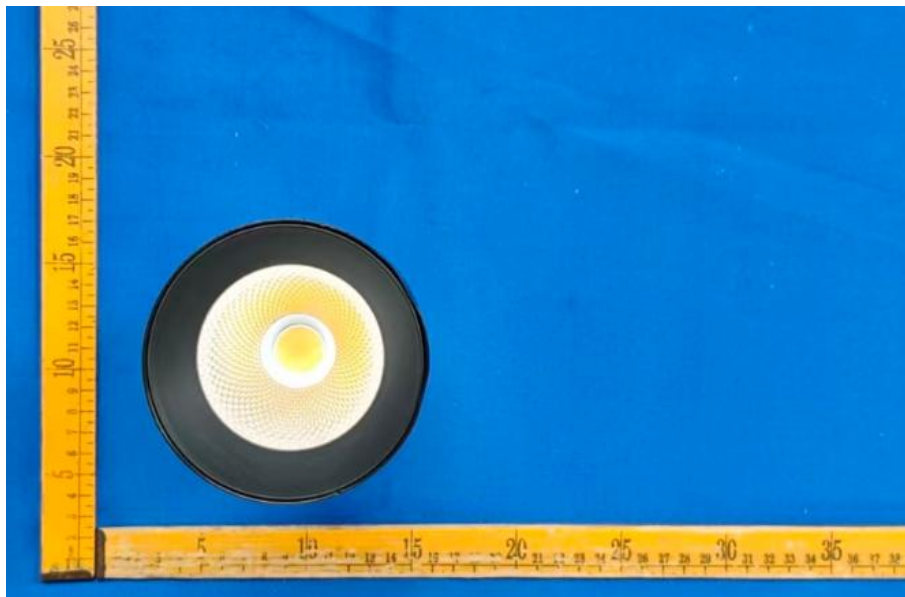
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### 3.0 Product Description

Luminaire Description: Model No. PIVOTL24DB @20W4000K, 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 @20W4000K	Sample ID	250903022-S1
Operate time (Min.)	10	Stabilization time (Min.)	60
Temperature (°C)	25.4	Humidity (%RH)	41.0

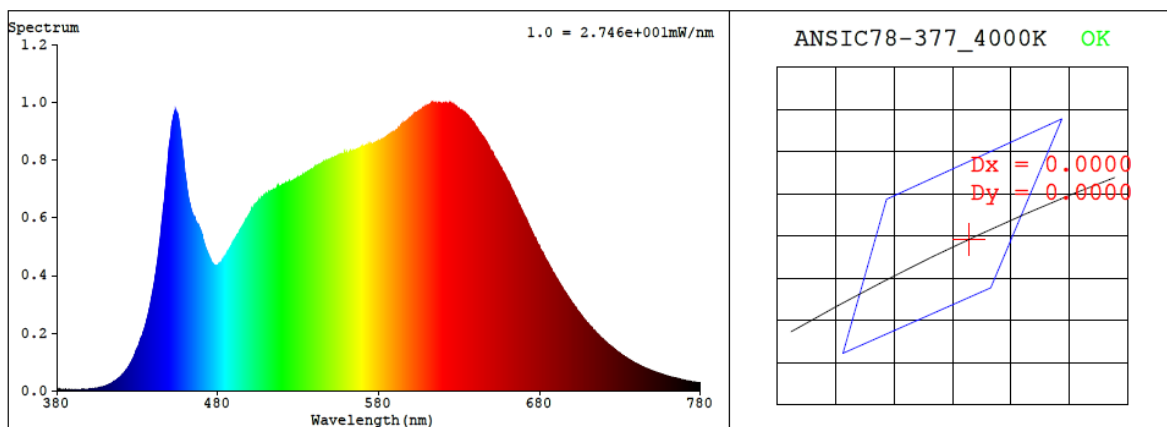
Test Method
<p>The Samples were tested according to the ANSI/IES LM-79:2019.</p> <p>Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at 25±1°C.</p> <p>The sample measurements were made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

Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
120.0	60	0.166	19.6	0.983

CCT (K)	CRI	R9	Duv	SDCM	Rf	Rg	IES Rcs,h1
3873	96.1	78	0.0001	2.6	92	99	-3%

## 4.1 Integrating Sphere Test



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.3862$   $y = 0.3803$  /  $u' = 0.2275$   $v' = 0.5040$  ( $duv=8.61e-06$ )

CCT= 3873K Prcp WL:  $L_d=579.5nm$  Purity=30.0%

Peak WL:  $L_p=613nm$  FWHM:  $=191.6nm$  Ratio:R=20.7% G=74.9% B=4.4%

Render Index:  $R_a = 96.1$  AvgR = 94.1 TM30:Rf=94 Rg=99

EEL: 0.00000 A++ Highest

R1 =97 R2 =99 R3 =99 R4 =96 R5 =96 R6 =97 R7 =95

R8 =90 R9 =78 R10=97 R11=97 R12=79 R13=98 R14=99 R15=95

## 4.1 Integrating Sphere Test

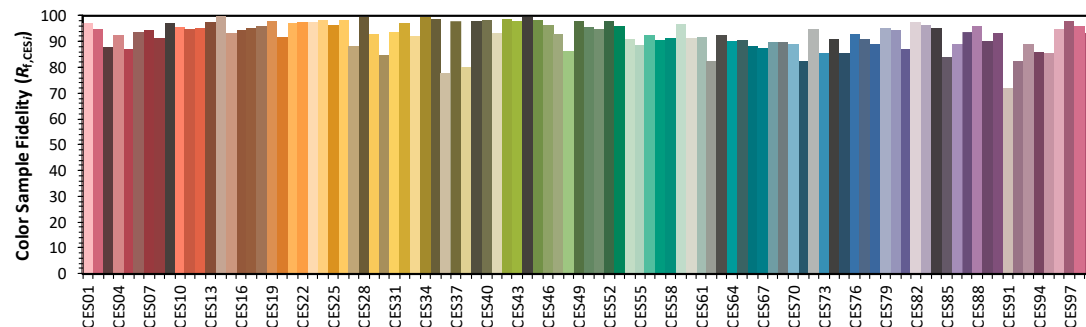
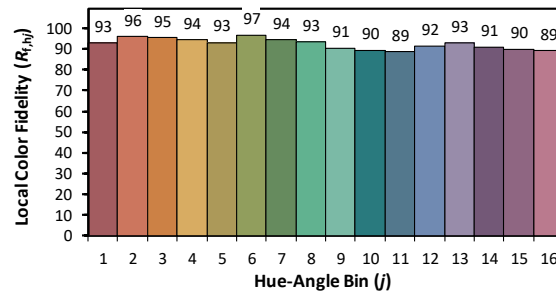
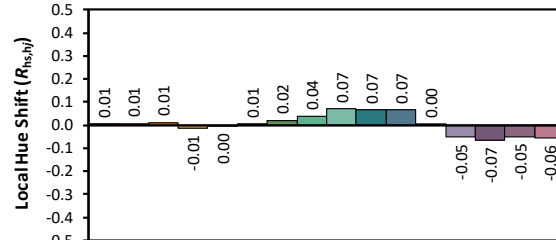
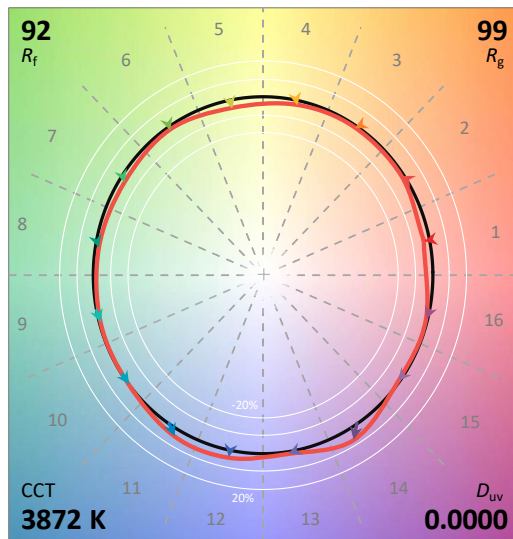
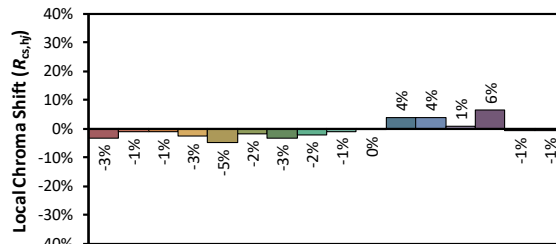
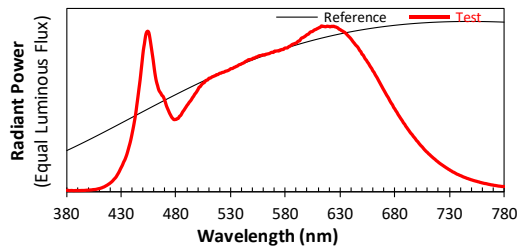
### ANSI/IES TM-30-18 Color Rendition Report

Source: 1 CIE F1

Manufacturer: RAB Lighting Inc.

Date: 2025/9/19

Model: PIVOTL24DB @20W4000K



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

$x$  0.3862  
 $y$  0.3802  
 $u'$  0.2275  
 $v'$  0.5039

CIE 13.3-1995  
(CRI)

$R_a$  96  
 $R_9$  78



## 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	4.90E-06	447	6.71E-04	514	6.94E-04	581	8.66E-04	648	8.50E-04	715	2.03E-04
381	5.70E-06	448	7.32E-04	515	6.97E-04	582	8.67E-04	649	8.43E-04	716	1.97E-04
382	4.20E-06	449	7.92E-04	516	6.99E-04	583	8.74E-04	650	8.29E-04	717	1.92E-04
383	4.00E-06	450	8.53E-04	517	7.05E-04	584	8.77E-04	651	8.24E-04	718	1.85E-04
384	4.60E-06	451	8.92E-04	518	7.05E-04	585	8.81E-04	652	8.12E-04	719	1.81E-04
385	4.40E-06	452	9.38E-04	519	7.09E-04	586	8.87E-04	653	8.00E-04	720	1.75E-04
386	3.50E-06	453	9.61E-04	520	7.13E-04	587	8.89E-04	654	7.93E-04	721	1.70E-04
387	3.70E-06	454	9.67E-04	521	7.14E-04	588	8.92E-04	655	7.81E-04	722	1.65E-04
388	4.30E-06	455	9.59E-04	522	7.18E-04	589	8.94E-04	656	7.73E-04	723	1.60E-04
389	4.30E-06	456	9.25E-04	523	7.19E-04	590	8.96E-04	657	7.61E-04	724	1.56E-04
390	4.30E-06	457	8.82E-04	524	7.21E-04	591	9.03E-04	658	7.50E-04	725	1.51E-04
391	4.00E-06	458	8.37E-04	525	7.25E-04	592	9.08E-04	659	7.41E-04	726	1.47E-04
392	4.30E-06	459	7.92E-04	526	7.27E-04	593	9.10E-04	660	7.27E-04	727	1.42E-04
393	4.50E-06	460	7.41E-04	527	7.29E-04	594	9.20E-04	661	7.20E-04	728	1.38E-04
394	4.80E-06	461	6.96E-04	528	7.32E-04	595	9.27E-04	662	7.06E-04	729	1.34E-04
395	4.70E-06	462	6.62E-04	529	7.36E-04	596	9.29E-04	663	6.95E-04	730	1.30E-04
396	4.90E-06	463	6.39E-04	530	7.41E-04	597	9.33E-04	664	6.85E-04	731	1.25E-04
397	5.50E-06	464	6.15E-04	531	7.42E-04	598	9.37E-04	665	6.72E-04	732	1.22E-04
398	6.20E-06	465	6.02E-04	532	7.44E-04	599	9.43E-04	666	6.60E-04	733	1.17E-04
399	6.50E-06	466	5.92E-04	533	7.49E-04	600	9.48E-04	667	6.48E-04	734	1.15E-04
400	6.20E-06	467	5.80E-04	534	7.50E-04	601	9.50E-04	668	6.36E-04	735	1.11E-04
401	7.40E-06	468	5.74E-04	535	7.55E-04	602	9.57E-04	669	6.23E-04	736	1.07E-04
402	7.80E-06	469	5.59E-04	536	7.57E-04	603	9.63E-04	670	6.12E-04	737	1.03E-04
403	8.50E-06	470	5.41E-04	537	7.62E-04	604	9.65E-04	671	6.00E-04	738	1.01E-04
404	9.70E-06	471	5.19E-04	538	7.66E-04	605	9.67E-04	672	5.88E-04	739	9.75E-05
405	1.01E-05	472	5.02E-04	539	7.67E-04	606	9.73E-04	673	5.77E-04	740	9.47E-05
406	1.07E-05	473	4.87E-04	540	7.71E-04	607	9.77E-04	674	5.67E-04	741	9.23E-05
407	1.19E-05	474	4.72E-04	541	7.74E-04	608	9.79E-04	675	5.54E-04	742	8.87E-05
408	1.36E-05	475	4.59E-04	542	7.77E-04	609	9.83E-04	676	5.41E-04	743	8.59E-05
409	1.51E-05	476	4.47E-04	543	7.82E-04	610	9.86E-04	677	5.31E-04	744	8.35E-05
410	1.65E-05	477	4.39E-04	544	7.86E-04	611	9.90E-04	678	5.21E-04	745	8.11E-05
411	1.87E-05	478	4.33E-04	545	7.89E-04	612	9.92E-04	679	5.07E-04	746	7.81E-05
412	2.07E-05	479	4.34E-04	546	7.95E-04	613	1.00E-03	680	4.98E-04	747	7.64E-05
413	2.38E-05	480	4.34E-04	547	7.96E-04	614	9.97E-04	681	4.86E-04	748	7.38E-05
414	2.61E-05	481	4.39E-04	548	7.97E-04	615	9.97E-04	682	4.77E-04	749	7.17E-05
415	2.98E-05	482	4.41E-04	549	7.97E-04	616	9.95E-04	683	4.65E-04	750	6.91E-05
416	3.36E-05	483	4.53E-04	550	8.02E-04	617	9.95E-04	684	4.55E-04	751	6.74E-05
417	3.73E-05	484	4.57E-04	551	8.05E-04	618	9.98E-04	685	4.44E-04	752	6.50E-05
418	4.19E-05	485	4.67E-04	552	8.06E-04	619	9.97E-04	686	4.35E-04	753	6.33E-05
419	4.63E-05	486	4.80E-04	553	8.11E-04	620	9.96E-04	687	4.25E-04	754	6.13E-05
420	5.14E-05	487	4.89E-04	554	8.12E-04	621	9.93E-04	688	4.13E-04	755	5.99E-05
421	5.69E-05	488	4.99E-04	555	8.16E-04	622	9.98E-04	689	4.06E-04	756	5.76E-05
422	6.33E-05	489	5.09E-04	556	8.19E-04	623	9.95E-04	690	3.94E-04	757	5.63E-05
423	7.11E-05	490	5.19E-04	557	8.20E-04	624	9.98E-04	691	3.85E-04	758	5.38E-05
424	7.80E-05	491	5.28E-04	558	8.21E-04	625	9.94E-04	692	3.75E-04	759	5.23E-05
425	8.57E-05	492	5.38E-04	559	8.24E-04	626	9.93E-04	693	3.67E-04	760	5.04E-05
426	9.68E-05	493	5.45E-04	560	8.24E-04	627	9.90E-04	694	3.57E-04	761	4.90E-05
427	1.08E-04	494	5.55E-04	561	8.23E-04	628	9.87E-04	695	3.48E-04	762	4.72E-05
428	1.20E-04	495	5.66E-04	562	8.28E-04	629	9.80E-04	696	3.41E-04	763	4.65E-05
429	1.34E-04	496	5.75E-04	563	8.29E-04	630	9.78E-04	697	3.32E-04	764	4.52E-05
430	1.47E-04	497	5.86E-04	564	8.31E-04	631	9.73E-04	698	3.24E-04	765	4.35E-05
431	1.60E-04	498	5.94E-04	565	8.32E-04	632	9.69E-04	699	3.16E-04	766	4.19E-05
432	1.77E-04	499	6.04E-04	566	8.35E-04	633	9.65E-04	700	3.06E-04	767	4.07E-05
433	1.89E-04	500	6.15E-04	567	8.39E-04	634	9.62E-04	701	3.00E-04	768	3.90E-05
434	2.06E-04	501	6.28E-04	568	8.40E-04	635	9.56E-04	702	2.91E-04	769	3.82E-05
435	2.25E-04	502	6.32E-04	569	8.39E-04	636	9.49E-04	703	2.83E-04	770	3.70E-05
436	2.48E-04	503	6.42E-04	570	8.47E-04	637	9.42E-04	704	2.75E-04	771	3.55E-05
437	2.72E-04	504	6.50E-04	571	8.47E-04	638	9.35E-04	705	2.69E-04	772	3.48E-05
438	2.96E-04	505	6.54E-04	572	8.48E-04	639	9.28E-04	706	2.61E-04	773	3.37E-05
439	3.25E-04	506	6.59E-04	573	8.49E-04	640	9.21E-04	707	2.53E-04	774	3.25E-05
440	3.58E-04	507	6.68E-04	574	8.48E-04	641	9.12E-04	708	2.46E-04	775	3.13E-05
441	3.92E-04	508	6.71E-04	575	8.54E-04	642	9.02E-04	709	2.39E-04	776	3.08E-05
442	4.28E-04	509	6.74E-04	576	8.54E-04	643	8.95E-04	710	2.34E-04	777	2.98E-05
443	4.68E-04	510	6.83E-04	577	8.58E-04	644	8.86E-04	711	2.26E-04	778	2.88E-05
444	5.19E-04	511	6.84E-04	578	8.56E-04	645	8.79E-04	712	2.21E-04	779	2.87E-05
445	5.68E-04	512	6.87E-04	579	8.63E-04	646	8.72E-04	713	2.14E-04	780	2.88E-05
446	6.20E-04	513	6.92E-04	580	8.66E-04	647	8.62E-04	714	2.09E-04	N/A	N/A



## 4.0 LM-79 Measurement and Test Results

### 4.2 Goniophotometer Test

Model No.	PIVOTL24DB @20W4000K	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	0.166	19.6	0.983
NON-WORST CASE	N/A	N/A	N/A	N/A	N/A

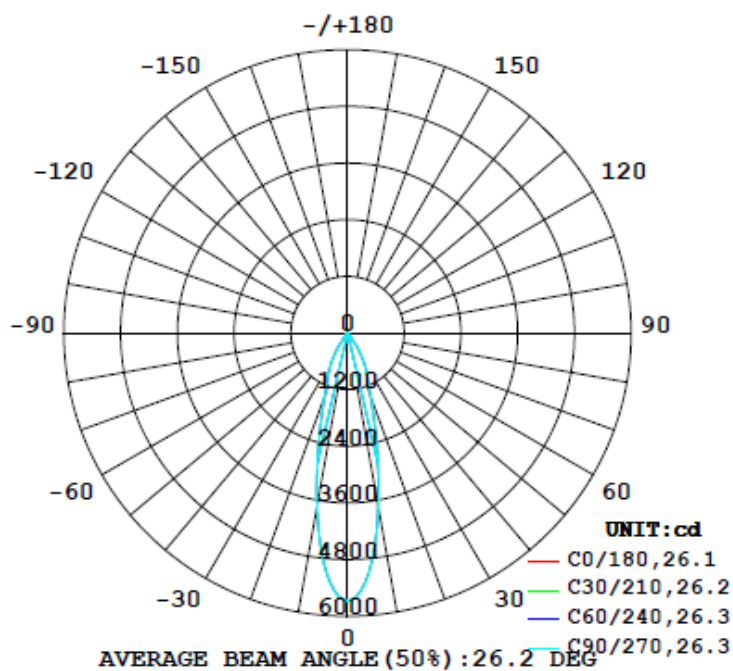
#### Test Result

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°)
1764	61.7	62.9	26.1	26.4	90.0	100.0%

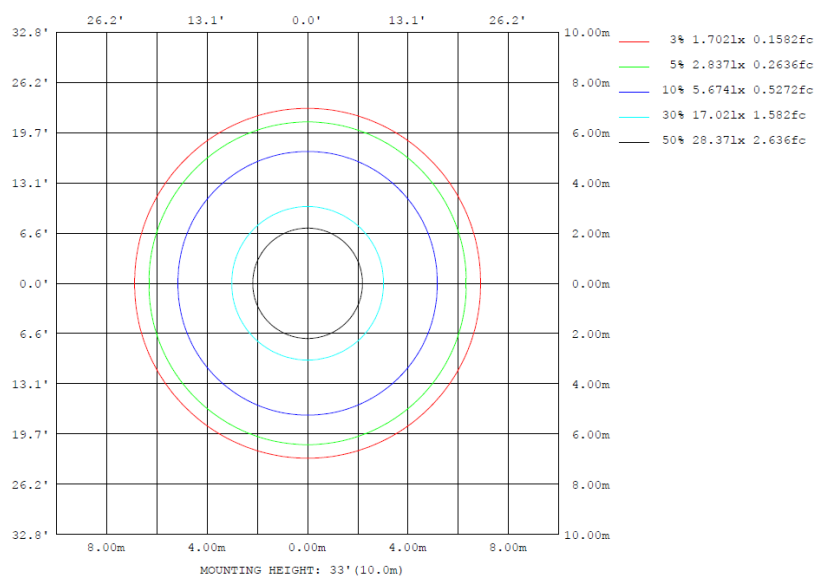
## 4.2 Goniophotometer Test

### 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	3727	3732	3736	3732	3727	3732	3736	3732	0~ 10	442.5	442.5	25.1,25.1
20	1401	1426	1446	1426	1401	1426	1446	1426	10~ 20	654.9	1097	62.2,62.2
30	631.8	663.3	675.5	663.3	631.8	663.3	675.5	663.3	20~ 30	449.6	1547	87.7,87.7
40	46.23	46.39	44.17	46.39	46.23	46.39	44.17	46.39	30~ 40	183.8	1731	98.1,98.1
50	15.24	15.63	16.14	15.63	15.24	15.63	16.14	15.63	40~ 50	19.01	1750	99.2,99.2
60	6.764	7.083	7.486	7.083	6.764	7.083	7.486	7.083	50~ 60	10.47	1760	99.8,99.8
70	0.9327	1.029	1.217	1.029	0.9327	1.029	1.217	1.029	60~ 70	3.376	1764	100,100
80	0.0386	0.0369	0.0396	0.0369	0.0386	0.0369	0.0396	0.0369	70~ 80	0.2232	1764	100,100
90	0	0	0	0	0	0	0	0	80~ 90	0.0215	1764	100,100
100	0	0	0	0	0	0	0	0	90~100	0	1764	100,100
110	0	0	0	0	0	0	0	0	100~110	0	1764	100,100
120	0	0	0	0	0	0	0	0	110~120	0	1764	100,100
130	0	0	0	0	0	0	0	0	120~130	0	1764	100,100
140	0	0	0	0	0	0	0	0	130~140	0	1764	100,100
150	0	0	0	0	0	0	0	0	140~150	0	1764	100,100
160	0	0	0	0	0	0	0	0	150~160	0	1764	100,100
170	0	0	0	0	0	0	0	0	160~170	0	1764	100,100
180	0	0	0	0	0	0	0	0	170~180	0	1764	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Zonal (lm)		Total (lm)		Percent
0-10	442.52	0-10	442.52	25.09%
10-20	654.88	0-20	1097.40	62.21%
20-30	449.64	0-30	1547.04	87.71%
30-40	183.77	0-40	1730.81	98.12%
40-50	19.01	0-50	1749.82	99.20%
50-60	10.47	0-60	1760.29	99.79%
60-70	3.38	0-70	1763.67	99.99%
70-80	0.22	0-80	1763.89	100.00%
80-90	0.02	0-90	1763.91	100.00%
90-100	0.00	0-100	1763.91	100.00%
100-110	0.00	0-110	1763.91	100.00%
110-120	0.00	0-120	1763.91	100.00%
120-130	0.00	0-130	1763.91	100.00%
130-140	0.00	0-140	1763.91	100.00%
140-150	0.00	0-150	1763.91	100.00%
150-160	0.00	0-160	1763.91	100.00%
160-170	0.00	0-170	1763.91	100.00%
170-180	0.00	0-180	1763.91	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	5674	5668	5669	5668	5670	5670	5668	5670	5670	5668	5669	5668	5674	5668	5669	5668	5670	5670	5668
5	5108	5109	5106	5103	5112	5116	5121	5116	5112	5103	5106	5109	5108	5109	5106	5103	5112	5116	5121
10	3727	3733	3731	3732	3734	3737	3736	3737	3734	3732	3731	3733	3727	3733	3731	3732	3734	3737	3736
15	2340	2348	2354	2361	2367	2372	2375	2372	2367	2361	2354	2348	2340	2348	2354	2361	2367	2372	2375
20	1401	1411	1419	1426	1433	1442	1446	1442	1433	1426	1419	1411	1401	1411	1419	1426	1433	1442	1446
25	956	963	976	975	986	970	970	970	986	975	976	963	956	963	976	975	986	970	970
30	632	641	653	663	671	676	675	676	671	663	653	641	632	641	653	663	671	676	675
35	270	277	282	285	291	295	296	295	291	285	282	277	270	277	282	285	291	295	296
40	46.2	46.2	46.0	46.4	45.4	44.1	44.2	44.1	45.4	46.4	46.0	46.2	46.2	46.2	46.0	46.4	45.4	44.1	44.2
45	20.6	20.7	20.9	21.2	21.3	21.6	21.9	21.6	21.3	21.2	20.9	20.7	20.6	20.7	20.9	21.2	21.3	21.6	21.9
50	15.2	15.3	15.5	15.6	15.8	16.0	16.1	16.0	15.8	15.6	15.5	15.3	15.2	15.3	15.5	15.6	15.8	16.0	16.1
55	11.5	11.7	11.9	12.1	12.2	12.4	12.6	12.4	12.2	12.1	11.9	11.7	11.5	11.7	11.9	12.1	12.2	12.4	12.6
60	6.76	6.87	6.95	7.08	7.22	7.30	7.49	7.30	7.22	7.08	6.95	6.87	6.76	6.87	6.95	7.08	7.22	7.30	7.49
65	2.92	3.00	3.06	3.07	3.17	3.28	3.36	3.28	3.17	3.07	3.06	3.00	2.92	3.00	3.06	3.07	3.17	3.28	3.36
70	0.93	0.91	0.97	1.03	1.07	1.13	1.22	1.13	1.07	1.03	0.97	0.91	0.93	0.91	0.97	1.03	1.07	1.13	1.22
75	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
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) γ (DEG)	285	300	315	330	345														
0	5670	5670	5668	5669	5668														
5	5116	5112	5103	5106	5109														
10	3737	3734	3732	3731	3733														
15	2372	2367	2361	2354	2348														
20	1442	1433	1426	1419	1411														
25	970	986	975	976	963														
30	676	671	663	653	641														
35	295	291	285	282	277														
40	44.1	45.4	46.4	46.0	46.2														
45	21.6	21.3	21.2	20.9	20.7														
50	16.0	15.8	15.6	15.5	15.3														
55	12.4	12.2	12.1	11.9	11.7														
60	7.30	7.22	7.08	6.95	6.87														
65	3.28	3.17	3.07	3.06	3.00														
70	1.13	1.07	1.03	0.97	0.91														
75	0.07	0.07	0.07	0.07	0.07														
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>	PIVOTL24DB @20W4000K	<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	0.166	19.6	0.983	8.67

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