

## 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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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		810
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Standard	Premium	97.6
			95	110	
Power (Input Wattage) (W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Case		8.3
Total Harmonic Distortion (A%) (THD & PF – Section 4.3)		ANSI C82.77:2002 ANSI C82-77-10:2020	20.00%	120V	13.85
Power Factor (THD & PF – Section 4.3)		ANSI C82.77:2002 ANSI C82-77-10:2020	0.9	120V	0.959
Allowable CCTs* (K) (Integrating Sphere – Section 4.1)		ANSI/IES LM-79:2019	7 steps	5029±283	4947
			4 steps	5029±220	
Minimum CRI (Integrating Sphere – Section 4.1)		ANSI/IES LM-79:2019 CIE13.3-1995	≥80		93.6
Minimum R9 (Integrating Sphere – Section 4.1)		ANSI/IES LM-79-2019 CIE13.3-1995	≥0		72
Minimum Rf (Integrating Sphere – Section 4.1)		ANSI/IES TM-30-18	≥70		90
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		0.072
(Goniophotometer – Section 4.2)			Non-Worst Case		N/A
Power (Input Wattage – W)					
(Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Worst Case		8.3
(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	2025-09-08	PIVOTS24DB @5000K	-	250903024-S1
2	Goniophotometer Test	2025-09-08	PIVOTS24DB @5000K	-	250903024-S1
3	THD and PF Test	2025-09-08	PIVOTS24DB @5000K	-	250903024-S1

### Remark (If any):

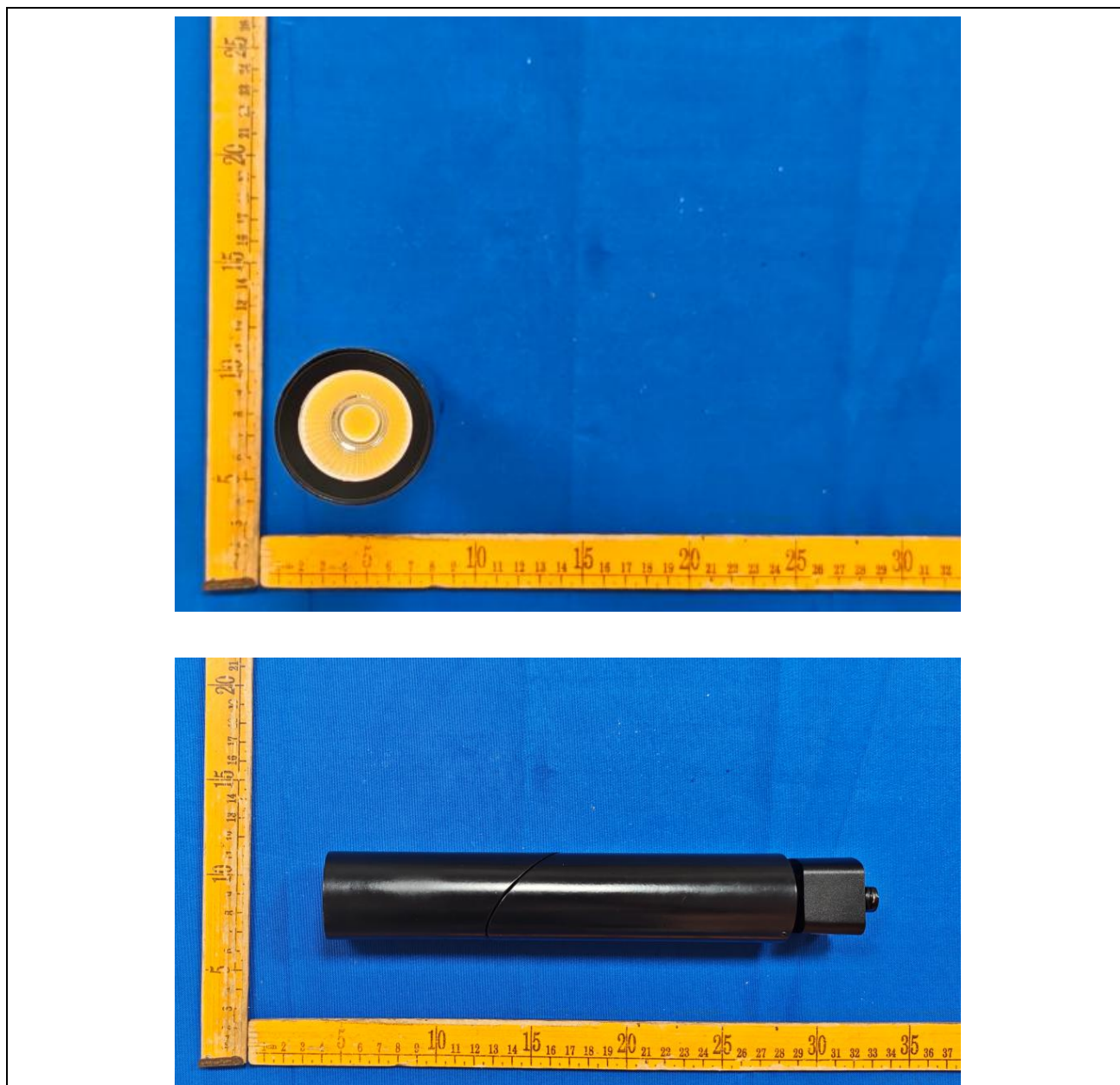
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3. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the U.S. Government.

### 3.0 Product Description

Luminaire Description: Model No. PIVOTS24DB @5000K, color tunable from 3000K, 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>	PIVOTS24DB @5000K	<b>Sample ID</b>	250903024-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

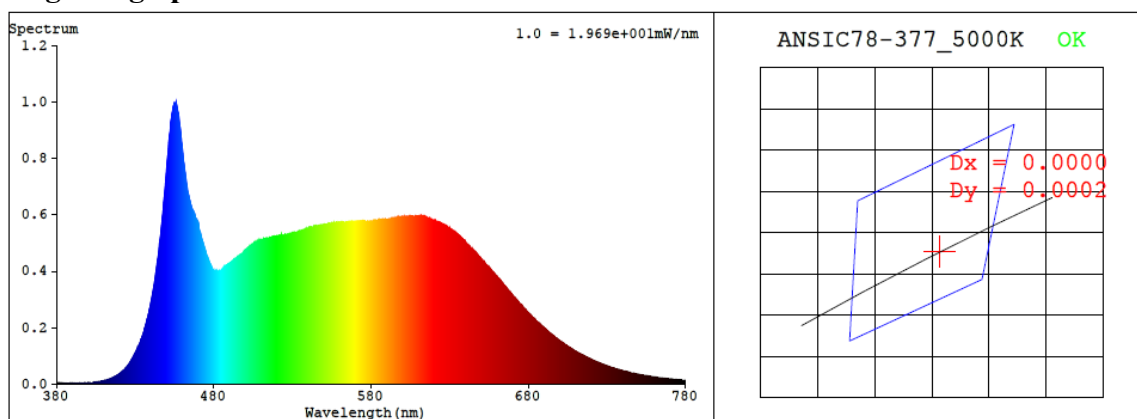
<b>Test Method</b>
<p>The Samples were tested according to the ANSI/IES LM-79:2019.</p> <p>Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at <math>25\pm1^{\circ}\text{C}</math>.</p> <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	0.072	8.3	0.959

<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>
4947	93.6	72	0.0001	2.4	90	97	-5%

## 4.1 Integrating Sphere Test



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.3466$   $y = 0.3531$  /  $u' = 0.2119$   $v' = 0.4856$  ( $duv=1.06e-04$ )

CCT= 4947K Prcp WL: Ld=573.3nm Purity=9.9%

Peak WL: Lp=456nm FWHM: =27.9nm Ratio:R=17.7% G=76.4% B=5.9%

Render Index: Ra = 93.6 AvgR = 91.4 TM30:Rf=91 Rg=98

EEL: 0.12993 A+

R1 =95 R2 =100 R3 =97 R4 =90 R5 =93 R6 =95 R7 =92

R8 =87 R9 =72 R10=98 R11=92 R12=70 R13=98 R14=99 R15=92

## 4.1 Integrating Sphere Test

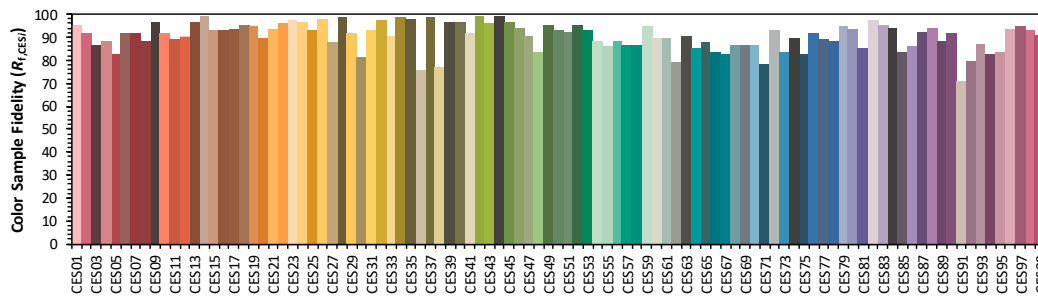
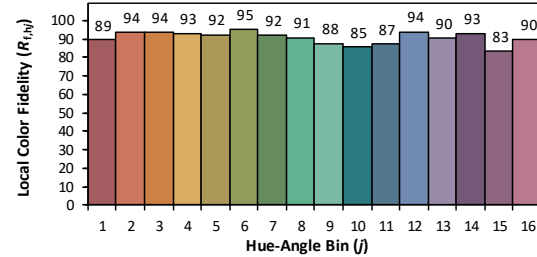
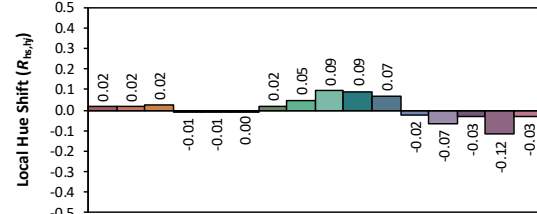
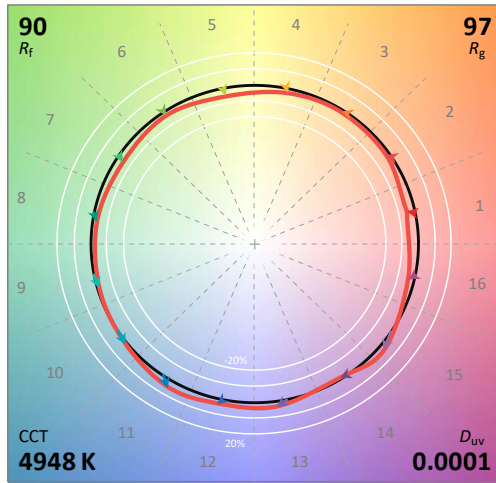
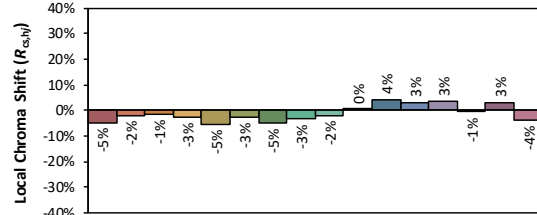
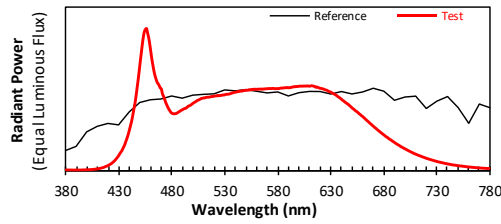
### ANSI/IES TM-30-18 Color Rendition Report

Source: 1 CIE F1

Manufacturer: RAB Lighting Inc.

Date: 2025/9/19

Model: PIVOTS24DB @5000K



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

$x$  0.3466  
 $y$  0.3529  
 $u'$  0.2119  
 $v'$  0.4855

CIE 13.3-1995  
(CRI)

$R_a$  94  
 $R_g$  72



## 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	4.30E-06	447	5.80E-04	514	5.17E-04	581	5.77E-04	648	4.57E-04	715	1.02E-04
381	3.40E-06	448	6.38E-04	515	5.17E-04	582	5.79E-04	649	4.50E-04	716	9.84E-05
382	3.60E-06	449	7.01E-04	516	5.18E-04	583	5.81E-04	650	4.44E-04	717	9.58E-05
383	3.40E-06	450	7.68E-04	517	5.21E-04	584	5.81E-04	651	4.36E-04	718	9.33E-05
384	3.10E-06	451	8.29E-04	518	5.22E-04	585	5.82E-04	652	4.32E-04	719	9.03E-05
385	3.50E-06	452	8.91E-04	519	5.22E-04	586	5.82E-04	653	4.24E-04	720	8.76E-05
386	2.90E-06	453	9.45E-04	520	5.25E-04	587	5.84E-04	654	4.19E-04	721	8.45E-05
387	2.90E-06	454	9.81E-04	521	5.25E-04	588	5.84E-04	655	4.14E-04	722	8.26E-05
388	2.80E-06	455	9.96E-04	522	5.26E-04	589	5.85E-04	656	4.07E-04	723	8.01E-05
389	3.40E-06	456	1.00E-03	523	5.29E-04	590	5.83E-04	657	4.00E-04	724	7.79E-05
390	3.30E-06	457	9.68E-04	524	5.26E-04	591	5.84E-04	658	3.95E-04	725	7.56E-05
391	2.70E-06	458	9.36E-04	525	5.29E-04	592	5.84E-04	659	3.87E-04	726	7.34E-05
392	3.40E-06	459	8.90E-04	526	5.28E-04	593	5.87E-04	660	3.83E-04	727	7.12E-05
393	3.30E-06	460	8.37E-04	527	5.30E-04	594	5.88E-04	661	3.76E-04	728	6.90E-05
394	3.20E-06	461	7.84E-04	528	5.33E-04	595	5.91E-04	662	3.69E-04	729	6.66E-05
395	3.70E-06	462	7.40E-04	529	5.32E-04	596	5.90E-04	663	3.62E-04	730	6.47E-05
396	4.00E-06	463	7.00E-04	530	5.34E-04	597	5.92E-04	664	3.55E-04	731	6.28E-05
397	4.40E-06	464	6.68E-04	531	5.37E-04	598	5.92E-04	665	3.48E-04	732	6.05E-05
398	4.40E-06	465	6.43E-04	532	5.37E-04	599	5.93E-04	666	3.42E-04	733	5.90E-05
399	4.30E-06	466	6.22E-04	533	5.38E-04	600	5.94E-04	667	3.34E-04	734	5.77E-05
400	5.30E-06	467	6.11E-04	534	5.39E-04	601	5.95E-04	668	3.28E-04	735	5.53E-05
401	5.60E-06	468	5.97E-04	535	5.41E-04	602	5.94E-04	669	3.22E-04	736	5.42E-05
402	5.90E-06	469	5.81E-04	536	5.44E-04	603	5.95E-04	670	3.15E-04	737	5.20E-05
403	6.10E-06	470	5.75E-04	537	5.46E-04	604	5.95E-04	671	3.08E-04	738	5.04E-05
404	6.70E-06	471	5.40E-04	538	5.48E-04	605	5.96E-04	672	3.02E-04	739	4.92E-05
405	7.50E-06	472	5.25E-04	539	5.51E-04	606	5.95E-04	673	2.96E-04	740	4.71E-05
406	8.10E-06	473	5.03E-04	540	5.52E-04	607	5.95E-04	674	2.89E-04	741	4.55E-05
407	9.20E-06	474	4.81E-04	541	5.53E-04	608	5.96E-04	675	2.83E-04	742	4.47E-05
408	9.80E-06	475	4.64E-04	542	5.57E-04	609	5.95E-04	676	2.77E-04	743	4.29E-05
409	1.07E-05	476	4.48E-04	543	5.56E-04	610	5.94E-04	677	2.71E-04	744	4.17E-05
410	1.20E-05	477	4.33E-04	544	5.59E-04	611	5.96E-04	678	2.65E-04	745	4.03E-05
411	1.37E-05	478	4.21E-04	545	5.61E-04	612	5.98E-04	679	2.59E-04	746	3.89E-05
412	1.51E-05	479	4.10E-04	546	5.59E-04	613	5.96E-04	680	2.53E-04	747	3.83E-05
413	1.69E-05	480	4.04E-04	547	5.62E-04	614	5.95E-04	681	2.48E-04	748	3.70E-05
414	1.90E-05	481	4.01E-04	548	5.64E-04	615	5.92E-04	682	2.41E-04	749	3.59E-05
415	2.09E-05	482	4.00E-04	549	5.64E-04	616	5.86E-04	683	2.36E-04	750	3.46E-05
416	2.36E-05	483	4.01E-04	550	5.66E-04	617	5.89E-04	684	2.31E-04	751	3.35E-05
417	2.70E-05	484	4.02E-04	551	5.66E-04	618	5.86E-04	685	2.25E-04	752	3.27E-05
418	3.00E-05	485	4.05E-04	552	5.66E-04	619	5.83E-04	686	2.20E-04	753	3.18E-05
419	3.31E-05	486	4.11E-04	553	5.70E-04	620	5.80E-04	687	2.15E-04	754	3.11E-05
420	3.70E-05	487	4.15E-04	554	5.67E-04	621	5.79E-04	688	2.10E-04	755	2.99E-05
421	4.09E-05	488	4.21E-04	555	5.71E-04	622	5.76E-04	689	2.05E-04	756	2.89E-05
422	4.59E-05	489	4.25E-04	556	5.72E-04	623	5.75E-04	690	2.00E-04	757	2.81E-05
423	5.06E-05	490	4.29E-04	557	5.70E-04	624	5.72E-04	691	1.95E-04	758	2.70E-05
424	5.70E-05	491	4.34E-04	558	5.74E-04	625	5.68E-04	692	1.89E-04	759	2.61E-05
425	6.30E-05	492	4.37E-04	559	5.72E-04	626	5.67E-04	693	1.85E-04	760	2.54E-05
426	7.06E-05	493	4.39E-04	560	5.72E-04	627	5.63E-04	694	1.80E-04	761	2.47E-05
427	7.94E-05	494	4.44E-04	561	5.73E-04	628	5.59E-04	695	1.76E-04	762	2.39E-05
428	8.91E-05	495	4.51E-04	562	5.73E-04	629	5.55E-04	696	1.71E-04	763	2.30E-05
429	9.84E-05	496	4.55E-04	563	5.74E-04	630	5.53E-04	697	1.66E-04	764	2.25E-05
430	1.10E-04	497	4.59E-04	564	5.75E-04	631	5.49E-04	698	1.63E-04	765	2.19E-05
431	1.22E-04	498	4.63E-04	565	5.73E-04	632	5.44E-04	699	1.58E-04	766	2.11E-05
432	1.33E-04	499	4.69E-04	566	5.74E-04	633	5.41E-04	700	1.54E-04	767	2.04E-05
433	1.45E-04	500	4.74E-04	567	5.75E-04	634	5.36E-04	701	1.50E-04	768	1.97E-05
434	1.62E-04	501	4.79E-04	568	5.75E-04	635	5.32E-04	702	1.46E-04	769	1.91E-05
435	1.76E-04	502	4.84E-04	569	5.76E-04	636	5.27E-04	703	1.42E-04	770	1.85E-05
436	1.96E-04	503	4.88E-04	570	5.77E-04	637	5.20E-04	704	1.38E-04	771	1.77E-05
437	2.17E-04	504	4.94E-04	571	5.77E-04	638	5.15E-04	705	1.34E-04	772	1.75E-05
438	2.39E-04	505	4.97E-04	572	5.78E-04	639	5.10E-04	706	1.31E-04	773	1.68E-05
439	2.64E-04	506	5.00E-04	573	5.78E-04	640	5.05E-04	707	1.27E-04	774	1.64E-05
440	2.93E-04	507	5.05E-04	574	5.77E-04	641	4.97E-04	708	1.23E-04	775	1.57E-05
441	3.22E-04	508	5.08E-04	575	5.79E-04	642	4.92E-04	709	1.20E-04	776	1.53E-05
442	3.53E-04	509	5.09E-04	576	5.79E-04	643	4.86E-04	710	1.17E-04	777	1.50E-05
443	3.92E-04	510	5.12E-04	577	5.77E-04	644	4.80E-04	711	1.14E-04	778	1.43E-05
444	4.34E-04	511	5.12E-04	578	5.77E-04	645	4.75E-04	712	1.10E-04	779	1.43E-05
445	4.73E-04	512	5.15E-04	579	5.77E-04	646	4.69E-04	713	1.07E-04	780	1.44E-05
446	5.24E-04	513	5.17E-04	580	5.78E-04	647	4.64E-04	714	1.04E-04	N/A	N/A



## 4.0 LM-79 Measurement and Test Results

### 4.2 Goniophotometer Test

<b>Model No.</b>	PIVOTS24DB @5000K	<b>Sample ID</b>	250903024-S1
<b>Operate time (Min.)</b>	30	<b>Stabilization time (Min.)</b>	60
<b>Temperature (°C)</b>	25.0	<b>Humidity (%RH)</b>	40.8

<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	0.072	8.3	0.959
<b>NON-WORST CASE</b>	N/A	N/A	N/A	N/A	N/A

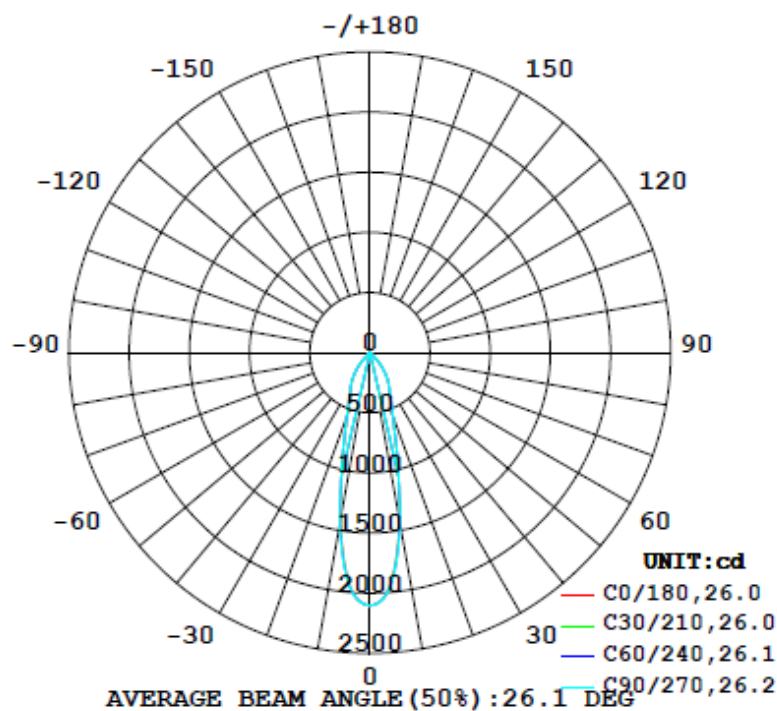
#### Test Result

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°)
810	72.8	73.2	26.0	26.3	97.6	100.0%

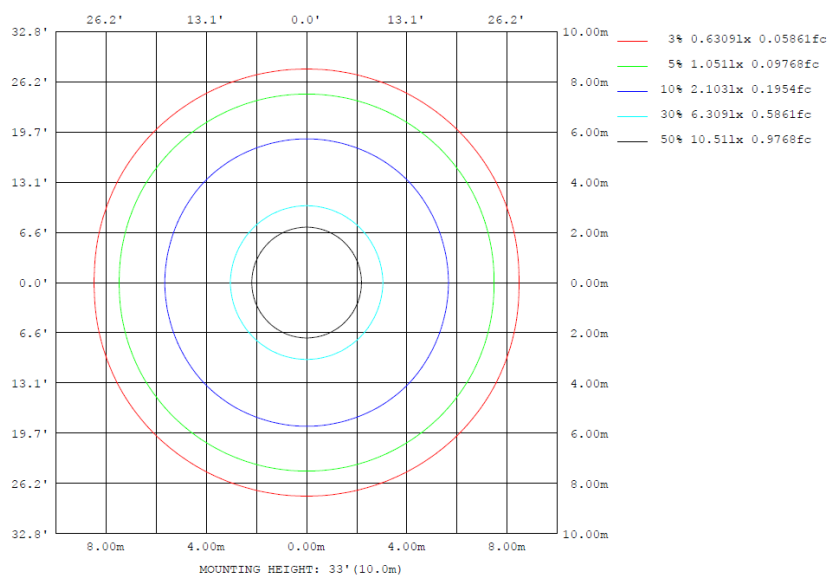
## 4.2 Goniophotometer Test

### 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	%lum, lamp
10	1415	1427	1437	1427	1415	1427	1437	1427	0- 10	168.6	168.6	20.8,20.8
20	552.1	554.7	559.7	554.7	552.1	554.7	559.7	554.7	10- 20	245.2	413.8	51.1,51.1
30	312.2	319.1	318.7	319.1	312.2	319.1	318.7	319.1	20- 30	187.0	600.9	74.2,74.2
40	146.5	154.1	149.9	154.1	146.5	154.1	149.9	154.1	30- 40	147.4	748.2	92.4,92.4
50	17.69	17.97	18.67	17.97	17.69	17.97	18.67	17.97	40- 50	50.54	798.8	98.6,98.6
60	3.869	3.884	4.012	3.884	3.869	3.884	4.012	3.884	50- 60	7.695	806.5	99.6,99.6
70	1.702	1.773	1.907	1.773	1.702	1.773	1.907	1.773	60- 70	2.664	809.1	99.9,99.9
80	0.0254	0.0221	0.0262	0.0221	0.0254	0.0221	0.0262	0.0221	70- 80	0.9470	810.1	100,100
90	0	0	0	0	0	0	0	0	80- 90	0.0093	810.1	100,100
100	0	0	0	0	0	0	0	0	90-100	0	810.1	100,100
110	0	0	0	0	0	0	0	0	100-110	0	810.1	100,100
120	0	0	0	0	0	0	0	0	110-120	0	810.1	100,100
130	0	0	0	0	0	0	0	0	120-130	0	810.1	100,100
140	0	0	0	0	0	0	0	0	130-140	0	810.1	100,100
150	0	0	0	0	0	0	0	0	140-150	0	810.1	100,100
160	0	0	0	0	0	0	0	0	150-160	0	810.1	100,100
170	0	0	0	0	0	0	0	0	160-170	0	810.1	100,100
180	0	0	0	0	0	0	0	0	170-180	0	810.1	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Zonal (lm)		Total (lm)		Percent
0-10	168.63	0-10	168.63	20.82%
10-20	245.19	0-20	413.82	51.08%
20-30	187.04	0-30	600.86	74.17%
30-40	147.37	0-40	748.23	92.36%
40-50	50.54	0-50	798.77	98.60%
50-60	7.70	0-60	806.47	99.55%
60-70	2.66	0-70	809.13	99.88%
70-80	0.95	0-80	810.08	100.00%
80-90	0.01	0-90	810.09	100.00%
90-100	0.00	0-100	810.09	100.00%
100-110	0.00	0-110	810.09	100.00%
110-120	0.00	0-120	810.09	100.00%
120-130	0.00	0-130	810.09	100.00%
130-140	0.00	0-140	810.09	100.00%
140-150	0.00	0-150	810.09	100.00%
150-160	0.00	0-160	810.09	100.00%
160-170	0.00	0-170	810.09	100.00%
170-180	0.00	0-180	810.09	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	2103	2102	2103	2102	2103	2102	2102	2102	2103	2102	2103	2102	2103	2102	2103	2102	2103	2102	2102
5	1941	1944	1946	1950	1953	1954	1953	1954	1953	1950	1946	1944	1941	1944	1946	1950	1953	1954	1953
10	1415	1417	1422	1427	1432	1436	1437	1436	1432	1427	1422	1417	1415	1417	1422	1427	1432	1436	1437
15	873	870	870	874	878	881	883	881	878	874	870	870	873	870	870	874	878	881	883
20	552	549	550	555	558	560	560	558	555	550	549	552	549	550	555	558	560	560	
25	393	392	395	401	403	405	406	405	403	401	395	392	393	392	395	401	403	405	406
30	312	313	316	319	319	319	319	319	319	319	316	313	312	313	316	319	319	319	319
35	236	238	241	242	241	240	239	240	241	242	241	238	236	238	241	242	241	240	239
40	147	150	154	154	153	151	150	151	153	154	154	150	147	150	154	154	153	151	150
45	55.3	56.8	57.0	56.7	56.4	55.4	55.0	55.4	56.4	56.7	57.0	56.8	55.3	56.8	57.0	56.7	56.4	55.4	55.0
50	17.7	17.3	17.5	18.0	18.6	19.0	18.7	19.0	18.6	18.0	17.5	17.3	17.7	17.3	17.5	18.0	18.6	19.0	18.7
55	7.03	7.10	7.23	7.39	7.47	7.94	7.96	7.94	7.47	7.39	7.23	7.10	7.03	7.10	7.23	7.39	7.47	7.94	7.96
60	3.87	3.80	3.82	3.88	3.92	3.95	4.01	3.95	3.92	3.88	3.82	3.80	3.87	3.80	3.82	3.88	3.92	3.95	4.01
65	2.65	2.56	2.56	2.62	2.67	2.72	2.78	2.72	2.67	2.62	2.56	2.56	2.65	2.56	2.56	2.62	2.67	2.72	2.78
70	1.70	1.69	1.71	1.77	1.81	1.86	1.91	1.86	1.81	1.77	1.71	1.69	1.70	1.69	1.71	1.77	1.81	1.86	1.91
75	0.84	0.85	0.89	0.95	1.01	1.07	1.11	1.07	1.01	0.95	0.89	0.85	0.84	0.85	0.89	0.95	1.01	1.07	1.11
80	0.03	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.03	0.03
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) y (DEG)	285	300	315	330	345														
0	2102	2103	2102	2103	2102														
5	1954	1953	1950	1946	1944														
10	1436	1432	1427	1422	1417														
15	881	878	874	870	870														
20	560	558	555	550	549														
25	405	403	401	395	392														
30	319	319	319	316	313														
35	240	241	242	241	238														
40	151	153	154	154	150														
45	55.4	56.4	56.7	57.0	56.8														
50	19.0	18.6	18.0	17.5	17.3														
55	7.94	7.47	7.39	7.23	7.10														
60	3.95	3.92	3.88	3.82	3.80														
65	2.72	2.67	2.62	2.56	2.56														
70	1.86	1.81	1.77	1.71	1.69														
75	1.07	1.01	0.95	0.89	0.85														
80	0.03	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>	PIVOTS24DB @5000K	<b>Sample ID</b>	250903024-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	0.072	8.3	0.959	13.85

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