

## Photometric Test Report

### Relevant Standards

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

Prepared For

**RAB Lighting Inc.**

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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		764
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)		ANSI/IES LM-79:2019	Standard	Premium	92.0
			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	13.44
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	3045±175	2992
			4 steps	3045±100	
Minimum CRI (Integrating Sphere – Section 4.1)		ANSI/IES LM-79:2019 CIE13.3-1995	≥80		93.0
Minimum R9 (Integrating Sphere – Section 4.1)		ANSI/IES LM-79-2019 CIE13.3-1995	≥0		58
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		0.072
(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 @3000K	-	250903024-S1
2	Goniophotometer Test	2025-09-08	PIVOTS24DB @3000K	-	250903024-S1
3	THD and PF Test	2025-09-08	PIVOTS24DB @3000K	-	250903024-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. PIVOTS24DB @3000K, 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 @3000K	<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

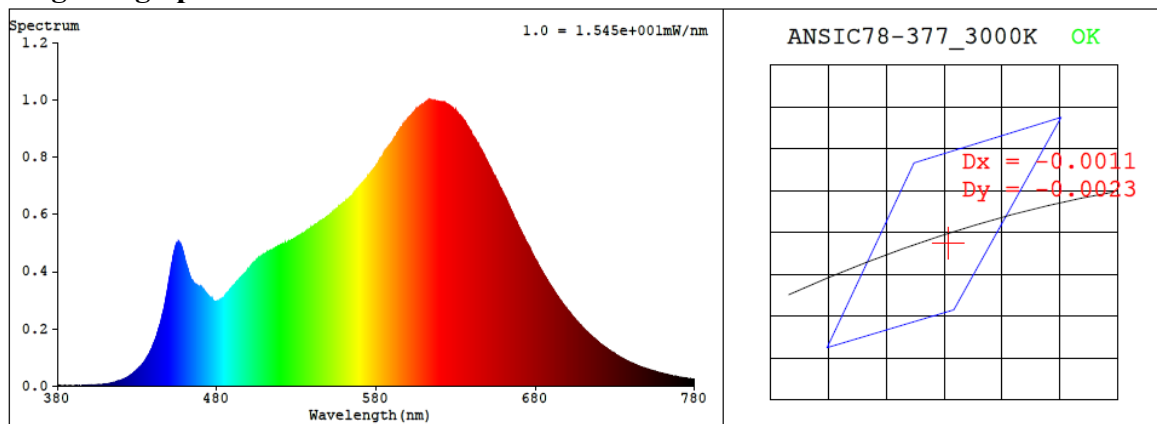
<b>Test Method</b>
<p>The Samples were tested according to the ANSI/IES LM-79:2019.</p> <p>Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at 25±1°C.</p> <p>The sample measurements were 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	0.072	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>
2992	93.0	58	-0.0008	2.0	91	97	-5%

## 4.1 Integrating Sphere Test



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4364$   $y = 0.4020$  /  $u' = 0.2511$   $v' = 0.5205$  ( $duv = -7.51e-04$ )

CCT= 2992K Prcp WL:  $L_d = 583.1\text{nm}$  Purity=51.6%

Peak WL:  $L_p = 613\text{nm}$  FWHM:  $=151.9\text{nm}$  Ratio: R=24.7% G=71.9% B=3.4%

Render Index:  $R_a = 93.0$  AvgR = 91.2 TM30:  $R_f = 91$   $R_g = 97$

EEL: 0.13622 A+

R1 =95 R2 =100 R3 =95 R4 =93 R5 =95 R6 =96 R7 =89

R8 =80 R9 =58 R10=100 R11=96 R12=85 R13=97 R14=98 R15=90

## 4.1 Integrating Sphere Test

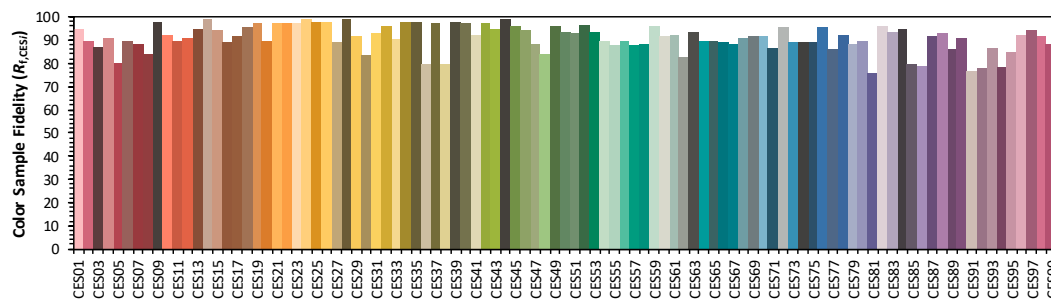
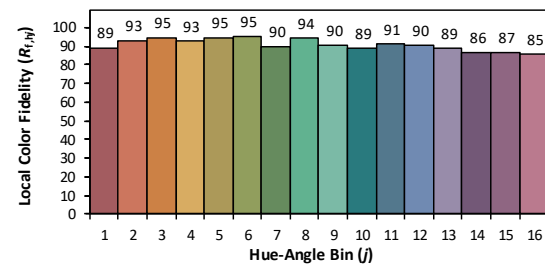
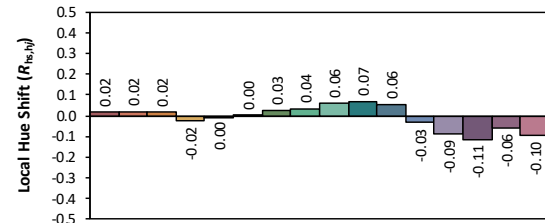
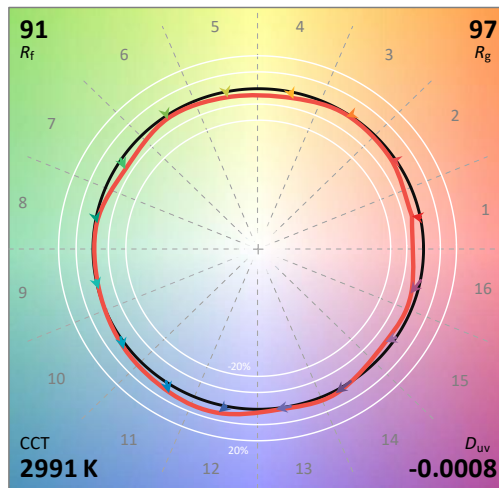
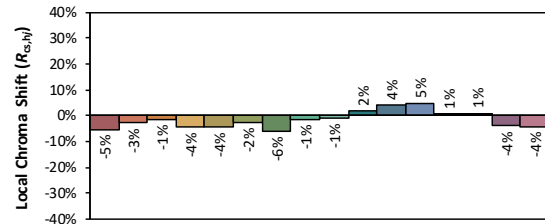
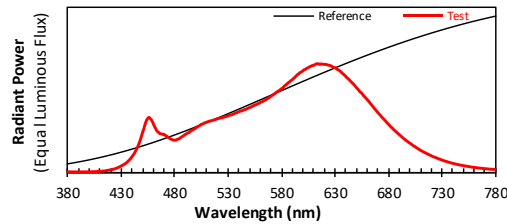
### ANSI/IES TM-30-18 Color Rendition Report

Source: 1 CIE F1

Manufacturer: RAB Lighting Inc.

Date: 2025/9/19

Model: PIVOTS24DB @3000K



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

$x$  0.4364  
 $y$  0.4019  
 $u'$  0.2512  
 $v'$  0.5205

CIE 13.3-1995  
(CRI)

$R_a$  93  
 $R_g$  58



## 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	2.00E-06	447	2.76E-04	514	4.73E-04	581	7.75E-04	648	8.06E-04	715	1.77E-04
381	3.20E-06	448	3.05E-04	515	4.76E-04	582	7.86E-04	649	7.93E-04	716	1.70E-04
382	1.70E-06	449	3.36E-04	516	4.78E-04	583	7.96E-04	650	7.81E-04	717	1.66E-04
383	1.70E-06	450	3.70E-04	517	4.82E-04	584	8.02E-04	651	7.70E-04	718	1.61E-04
384	1.60E-06	451	3.98E-04	518	4.84E-04	585	8.12E-04	652	7.59E-04	719	1.57E-04
385	2.20E-06	452	4.33E-04	519	4.88E-04	586	8.21E-04	653	7.47E-04	720	1.52E-04
386	2.00E-06	453	4.63E-04	520	4.92E-04	587	8.28E-04	654	7.36E-04	721	1.47E-04
387	1.60E-06	454	4.85E-04	521	4.94E-04	588	8.36E-04	655	7.28E-04	722	1.43E-04
388	1.20E-06	455	4.98E-04	522	4.96E-04	589	8.45E-04	656	7.16E-04	723	1.38E-04
389	1.80E-06	456	5.04E-04	523	5.01E-04	590	8.51E-04	657	7.03E-04	724	1.35E-04
390	2.00E-06	457	4.94E-04	524	5.00E-04	591	8.61E-04	658	6.93E-04	725	1.31E-04
391	1.30E-06	458	4.84E-04	525	5.06E-04	592	8.70E-04	659	6.82E-04	726	1.27E-04
392	2.20E-06	459	4.66E-04	526	5.06E-04	593	8.79E-04	660	6.71E-04	727	1.23E-04
393	1.20E-06	460	4.45E-04	527	5.11E-04	594	8.89E-04	661	6.60E-04	728	1.19E-04
394	2.10E-06	461	4.22E-04	528	5.13E-04	595	8.99E-04	662	6.50E-04	729	1.17E-04
395	2.10E-06	462	4.04E-04	529	5.15E-04	596	9.05E-04	663	6.35E-04	730	1.12E-04
396	2.10E-06	463	3.85E-04	530	5.18E-04	597	9.16E-04	664	6.24E-04	731	1.08E-04
397	2.00E-06	464	3.73E-04	531	5.24E-04	598	9.20E-04	665	6.10E-04	732	1.06E-04
398	2.10E-06	465	3.65E-04	532	5.25E-04	599	9.26E-04	666	6.00E-04	733	1.02E-04
399	3.10E-06	466	3.55E-04	533	5.29E-04	600	9.34E-04	667	5.86E-04	734	9.89E-05
400	2.80E-06	467	3.54E-04	534	5.31E-04	601	9.44E-04	668	5.76E-04	735	9.60E-05
401	3.00E-06	468	3.51E-04	535	5.35E-04	602	9.45E-04	669	5.63E-04	736	9.28E-05
402	2.70E-06	469	3.47E-04	536	5.40E-04	603	9.53E-04	670	5.52E-04	737	9.00E-05
403	3.40E-06	470	3.49E-04	537	5.45E-04	604	9.58E-04	671	5.40E-04	738	8.71E-05
404	3.80E-06	471	3.39E-04	538	5.47E-04	605	9.63E-04	672	5.29E-04	739	8.42E-05
405	4.00E-06	472	3.35E-04	539	5.53E-04	606	9.70E-04	673	5.19E-04	740	8.16E-05
406	4.60E-06	473	3.27E-04	540	5.56E-04	607	9.73E-04	674	5.06E-04	741	7.94E-05
407	5.30E-06	474	3.20E-04	541	5.59E-04	608	9.79E-04	675	4.97E-04	742	7.69E-05
408	5.50E-06	475	3.13E-04	542	5.65E-04	609	9.83E-04	676	4.86E-04	743	7.45E-05
409	6.10E-06	476	3.06E-04	543	5.66E-04	610	9.84E-04	677	4.75E-04	744	7.21E-05
410	6.80E-06	477	3.02E-04	544	5.70E-04	611	9.90E-04	678	4.64E-04	745	6.98E-05
411	7.70E-06	478	2.98E-04	545	5.76E-04	612	9.94E-04	679	4.52E-04	746	6.78E-05
412	8.70E-06	479	2.94E-04	546	5.76E-04	613	9.99E-04	680	4.43E-04	747	6.57E-05
413	9.70E-06	480	2.95E-04	547	5.82E-04	614	9.98E-04	681	4.33E-04	748	6.38E-05
414	1.03E-05	481	2.95E-04	548	5.86E-04	615	9.97E-04	682	4.21E-04	749	6.23E-05
415	1.20E-05	482	3.00E-04	549	5.91E-04	616	9.92E-04	683	4.12E-04	750	6.00E-05
416	1.32E-05	483	3.04E-04	550	5.95E-04	617	9.98E-04	684	4.03E-04	751	5.85E-05
417	1.55E-05	484	3.07E-04	551	5.98E-04	618	9.95E-04	685	3.92E-04	752	5.64E-05
418	1.75E-05	485	3.14E-04	552	6.03E-04	619	9.94E-04	686	3.83E-04	753	5.48E-05
419	1.87E-05	486	3.22E-04	553	6.11E-04	620	9.93E-04	687	3.75E-04	754	5.33E-05
420	2.02E-05	487	3.27E-04	554	6.12E-04	621	9.93E-04	688	3.65E-04	755	5.18E-05
421	2.30E-05	488	3.34E-04	555	6.19E-04	622	9.92E-04	689	3.56E-04	756	4.99E-05
422	2.57E-05	489	3.41E-04	556	6.22E-04	623	9.88E-04	690	3.48E-04	757	4.78E-05
423	2.77E-05	490	3.48E-04	557	6.26E-04	624	9.87E-04	691	3.39E-04	758	4.67E-05
424	3.12E-05	491	3.53E-04	558	6.32E-04	625	9.84E-04	692	3.30E-04	759	4.54E-05
425	3.39E-05	492	3.61E-04	559	6.34E-04	626	9.81E-04	693	3.21E-04	760	4.37E-05
426	3.86E-05	493	3.63E-04	560	6.41E-04	627	9.76E-04	694	3.13E-04	761	4.25E-05
427	4.24E-05	494	3.70E-04	561	6.46E-04	628	9.69E-04	695	3.05E-04	762	4.13E-05
428	4.68E-05	495	3.79E-04	562	6.50E-04	629	9.65E-04	696	2.97E-04	763	4.00E-05
429	5.16E-05	496	3.85E-04	563	6.55E-04	630	9.63E-04	697	2.89E-04	764	3.89E-05
430	5.73E-05	497	3.89E-04	564	6.61E-04	631	9.57E-04	698	2.82E-04	765	3.74E-05
431	6.31E-05	498	3.95E-04	565	6.64E-04	632	9.48E-04	699	2.74E-04	766	3.65E-05
432	6.77E-05	499	4.01E-04	566	6.71E-04	633	9.44E-04	700	2.68E-04	767	3.54E-05
433	7.38E-05	500	4.09E-04	567	6.78E-04	634	9.38E-04	701	2.61E-04	768	3.39E-05
434	8.06E-05	501	4.15E-04	568	6.85E-04	635	9.29E-04	702	2.54E-04	769	3.30E-05
435	8.76E-05	502	4.23E-04	569	6.90E-04	636	9.23E-04	703	2.47E-04	770	3.20E-05
436	9.74E-05	503	4.26E-04	570	6.99E-04	637	9.10E-04	704	2.40E-04	771	3.11E-05
437	1.07E-04	504	4.34E-04	571	7.06E-04	638	9.03E-04	705	2.34E-04	772	3.00E-05
438	1.17E-04	505	4.41E-04	572	7.11E-04	639	8.93E-04	706	2.27E-04	773	2.93E-05
439	1.28E-04	506	4.43E-04	573	7.20E-04	640	8.85E-04	707	2.21E-04	774	2.79E-05
440	1.43E-04	507	4.48E-04	574	7.25E-04	641	8.72E-04	708	2.14E-04	775	2.76E-05
441	1.56E-04	508	4.54E-04	575	7.35E-04	642	8.65E-04	709	2.09E-04	776	2.66E-05
442	1.70E-04	509	4.57E-04	576	7.41E-04	643	8.56E-04	710	2.02E-04	777	2.59E-05
443	1.88E-04	510	4.61E-04	577	7.47E-04	644	8.45E-04	711	1.97E-04	778	2.50E-05
444	2.08E-04	511	4.64E-04	578	7.53E-04	645	8.34E-04	712	1.91E-04	779	2.50E-05
445	2.27E-04	512	4.69E-04	579	7.61E-04	646	8.25E-04	713	1.86E-04	780	2.51E-05
446	2.50E-04	513	4.71E-04	580	7.70E-04	647	8.15E-04	714	1.80E-04	N/A	N/A



## 4.0 LM-79 Measurement and Test Results

### 4.2 Goniophotometer Test

<b>Model No.</b>	PIVOTS24DB @3000K	<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

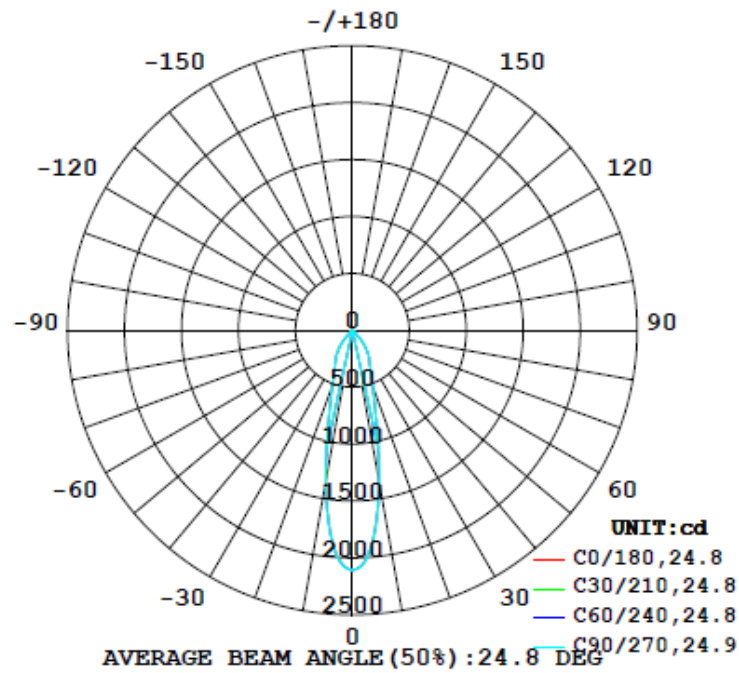
#### Test Result

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°)
764	71.8	71.4	24.9	24.9	92.0	100.0%

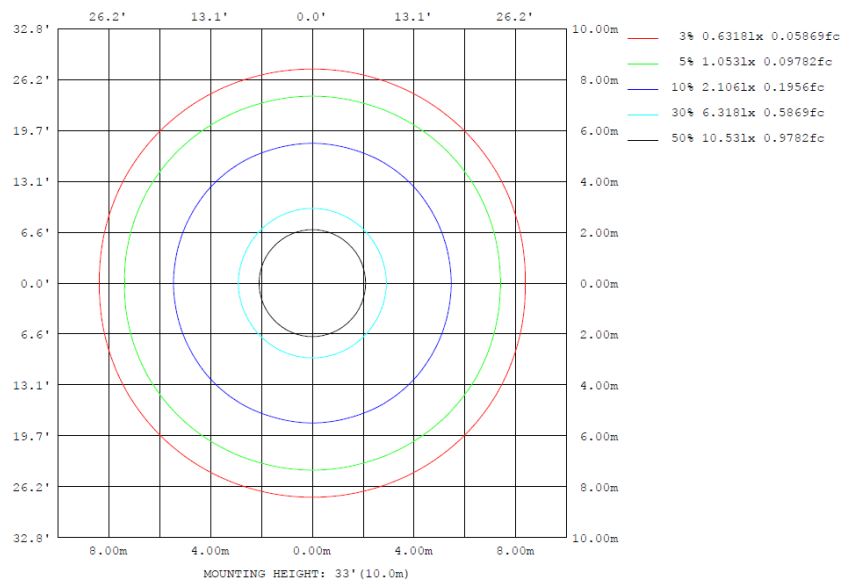
## 4.2 Goniophotometer Test

### 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	zone	total	%lum, lamp
10	1345	1353	1359	1353	1345	1353	1359	1353	0- 10	163.8	163.8	21.5, 21.5
20	511.4	514.4	519.6	514.4	511.4	514.4	519.6	514.4	10- 20	228.6	392.4	51.4, 51.4
30	294.5	298.5	296.0	298.5	294.5	298.5	296.0	298.5	20- 30	174.2	566.6	74.2, 74.2
40	138.5	146.3	142.4	146.3	138.5	146.3	142.4	146.3	30- 40	138.8	705.4	92.4, 92.4
50	15.78	16.93	17.94	16.93	15.78	16.93	17.94	16.93	40- 50	47.65	753.1	98.6, 98.6
60	3.545	3.617	3.748	3.617	3.545	3.617	3.748	3.617	50- 60	7.159	760.2	99.6, 99.6
70	1.568	1.649	1.787	1.649	1.568	1.649	1.787	1.649	60- 70	2.473	762.7	99.9, 99.9
80	0.0221	0.0197	0.0250	0.0197	0.0221	0.0197	0.0250	0.0197	70- 80	0.8824	763.6	100, 100
90	0	0	0	0	0	0	0	0	80- 90	0.0083	763.6	100, 100
100	0	0	0	0	0	0	0	0	90-100	0	763.6	100, 100
110	0	0	0	0	0	0	0	0	100-110	0	763.6	100, 100
120	0	0	0	0	0	0	0	0	110-120	0	763.6	100, 100
130	0	0	0	0	0	0	0	0	120-130	0	763.6	100, 100
140	0	0	0	0	0	0	0	0	130-140	0	763.6	100, 100
150	0	0	0	0	0	0	0	0	140-150	0	763.6	100, 100
160	0	0	0	0	0	0	0	0	150-160	0	763.6	100, 100
170	0	0	0	0	0	0	0	0	160-170	0	763.6	100, 100
180	0	0	0	0	0	0	0	0	170-180	0	763.6	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Zonal (lm)		Total (lm)		Percent
0-10	163.79	0-10	163.79	21.45%
10-20	228.58	0-20	392.37	51.39%
20-30	174.23	0-30	566.60	74.20%
30-40	138.81	0-40	705.41	92.38%
40-50	47.65	0-50	753.06	98.62%
50-60	7.16	0-60	760.22	99.56%
60-70	2.47	0-70	762.69	99.88%
70-80	0.88	0-80	763.57	100.00%
80-90	0.01	0-90	763.58	100.00%
90-100	0.00	0-100	763.58	100.00%
100-110	0.00	0-110	763.58	100.00%
110-120	0.00	0-120	763.58	100.00%
120-130	0.00	0-130	763.58	100.00%
130-140	0.00	0-140	763.58	100.00%
140-150	0.00	0-150	763.58	100.00%
150-160	0.00	0-160	763.58	100.00%
160-170	0.00	0-170	763.58	100.00%
170-180	0.00	0-180	763.58	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	2106	2107	2107	2107	2106	2107	2106	2107	2106	2107	2107	2107	2106	2107	2107	2107	2106	2107	2106
5	1903	1907	1909	1913	1915	1917	1913	1917	1915	1913	1909	1907	1903	1907	1909	1913	1915	1917	1913
10	1345	1349	1351	1353	1357	1358	1359	1358	1357	1353	1351	1349	1345	1349	1351	1353	1357	1358	1359
15	803	799	798	803	808	810	813	810	808	803	798	799	803	799	798	803	808	810	813
20	511	509	510	514	518	520	520	518	514	510	509	511	509	510	514	518	520	520	518
25	368	367	369	373	375	375	376	375	373	369	367	368	367	369	373	375	375	376	375
30	294	295	296	299	298	295	296	295	298	299	296	295	294	295	296	299	298	295	296
35	228	229	229	228	225	223	222	223	225	228	229	229	228	229	229	228	225	223	222
40	139	143	146	146	145	143	142	143	145	146	146	143	139	143	146	146	145	143	142
45	46.4	48.8	51.5	54.1	55.7	55.3	54.5	55.3	55.7	54.1	51.5	48.8	46.4	48.8	51.5	54.1	55.7	55.3	54.5
50	15.8	15.6	16.1	16.9	17.8	18.3	17.9	18.3	17.8	16.9	16.1	15.6	15.8	15.6	16.1	16.9	17.8	18.3	17.9
55	6.27	6.40	6.64	6.92	7.07	7.17	7.18	7.17	7.07	6.92	6.64	6.40	6.27	6.40	6.64	6.92	7.07	7.17	7.18
60	3.54	3.49	3.54	3.62	3.65	3.69	3.75	3.69	3.65	3.62	3.54	3.49	3.54	3.49	3.54	3.62	3.65	3.69	3.75
65	2.44	2.36	2.37	2.43	2.49	2.54	2.60	2.54	2.49	2.43	2.37	2.36	2.44	2.36	2.37	2.43	2.49	2.54	2.60
70	1.57	1.56	1.59	1.65	1.69	1.74	1.79	1.74	1.69	1.65	1.59	1.56	1.57	1.56	1.59	1.65	1.69	1.74	1.79
75	0.77	0.79	0.83	0.88	0.95	1.01	1.04	1.01	0.95	0.88	0.83	0.79	0.77	0.79	0.83	0.88	0.95	1.01	1.04
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) y (DEG)	285	300	315	330	345														
0	2107	2106	2107	2107	2107														
5	1917	1915	1913	1909	1907														
10	1358	1357	1353	1351	1349														
15	810	808	803	798	799														
20	520	518	514	510	509														
25	375	375	373	369	367														
30	295	298	299	296	295														
35	223	225	228	229	229														
40	143	145	146	146	143														
45	55.3	55.7	54.1	51.5	48.8														
50	18.3	17.8	16.9	16.1	15.6														
55	7.17	7.07	6.92	6.64	6.40														
60	3.69	3.65	3.62	3.54	3.49														
65	2.54	2.49	2.43	2.37	2.36														
70	1.74	1.69	1.65	1.59	1.56														
75	1.01	0.95	0.88	0.83	0.79														
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>	PIVOTS24DB @3000K	<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	13.44

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