

# LM-79-19 Test Report

For

## RAB LIGHTING INC.

408 W 14th St, New York, NY 10014 United States

### LED Pendant Light

Model Name(s): TKPSY[blank, B]

Remark: The [blank, B] for enclosure color, it can be blank for white or B for black.

Representative (Tested) Model: TKPSY

**Model Difference: N/A**

Prepared by:

*Alan Wang*

Engineer: Alan Wang

Date: 2025-04-08

Reviewed by:

*Vincent Yuan*

Technical Lead: Vincent Yuan

Issue Date: 2025-04-11

Revised Date: N/A

- Note:
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.

**Client Information:**

Applicant Name:	RAB LIGHTING INC.
Brand Name:	RAB LIGHTING
Manufacturer Name:	RAB LIGHTING INC.
Manufacturer Address:	408 W 14th St, New York, NY 10014 United States

**Product Information:**

Model Number:	TKPSY[blank, B]
Product Type:	LED Pendant Light
Rating Input:	120Vac, 60 Hz, 8W
Declared CCT:	3000K
LED Manufacturer:	Bridgelux Inc.
LED Model:	BXRH-30G100C-B-73
LED Driver Model:	SXC-OILH8TUW-A

**Test Information:**

Standard Lamp:	Total Spectral Radiant Flux Standard Lamp, trace to NIST. 1. D908S for Gonio, luminous uncertainty 3.14% 2. D215S for Integrating Sphere, luminous uncertainty 2.86%, CCT uncertainty 3K
Date of Receipt Samples:	2025-03-23
Quantity of Receipt Samples:	1 pc
Sample Number:	241122002-S1
Test Representation:	N/A

**Laboratory Information:**

Test Laboratory:	Dongguan New Testing Centre Co., Ltd
Laboratory Address:	3F, No. 1 the 1 <sup>st</sup> North Industry Road, Songshan Lake Science & Technology Park, Dongguan, Guangdong, China
Laboratory Contact Name:	Neil Zhong
Laboratory Contact E-mail:	<a href="mailto:Neil_zhong@ntc-cert.com">Neil_zhong@ntc-cert.com</a>

**Report Information:**

Test Report Form:	LM-79_TRF_V1.6
Issued Date of Test Report:	N/A
Revised Date of Test Report:	N/A
Test Report No.:	NTCLR25040068
Remark (If applicable):	N/A

<b>Test Specification:</b>	
Date of Test	2025-03-25
Test Item	<ol style="list-style-type: none"> <li>1. Total Luminous Flux</li> <li>2. Luminous Distribution Intensity</li> <li>3. Luminous Efficacy</li> <li>4. Correlated Color Temperature</li> <li>5. Color Rendering Index</li> <li>6. Chromaticity Coordinate</li> <li>7. Fidelity Index</li> <li>8. Gamut Index</li> <li>9. Local Chroma Shift</li> <li>10. THD and PF</li> </ol>
Reference Standard	ANSI/IES LM-79:2019 Optical and Electrical Measurements of Solid-State Lighting Products – Chromaticity Uniformity Measurements ANSI C78.377-2017 Specifications for the Chromaticity of Solid State Lighting Products CIE 13.3-1995 Method of Measuring and Specifying Color Rendering Properties of Light Sources CIE 15-2018 Technical Report Colorimetry ANSI IES TM-30-18 IES Method for Evaluating Light Source Color Rendition IES TM-15-11 Luminaire Classification System for Outdoor Luminaires Addendum A for IES TM-15-11 Backlight, Uplight, and Glare (BUG) Ratings ANSI C82.77-10:2020 Harmonic Emission Limits – Related Power Quality Requirements for Lighting Equipment – Solid State

<b>Test Methods:</b>
<p><b>1. Photometric and Electrical Measurements – Light Distribution Method:</b></p> <p>Photometric parameters were measured using the goniophotometer and software. The ambient temperature shall be maintained at 25 °C ± 1°C, measured at a point not more than 1 m from the sample and at the same height as the sample. The sample was operated at required Voltage and Frequency. It was stabilized before measurement was made. Luminous Flux, Luminaire Efficacy and Zonal Lumen were calculated from the software taken at 1° vertical intervals and 15° horizontal intervals.</p>
<p><b>2. Photometric and Electrical Measurements – Integrating Sphere Method:</b></p> <p>Photometric parameters were measured using an integrating sphere, as spectroradiometer and software. The ambient temperature condition inside the sphere was measured at 25 °C± 1°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 sample was operated at require Voltage and Frequency. It was stabilized before measurement was made. Chromaticity Coordinates, Correlated Color Temperature and Color Rendering Index were calculated from the spectral radiant flux measurements taken at least 1 nm intervals over the rage of 380 to 780 nm.</p>
<p><b>3. THD and PF Measurements:</b></p> <p>The sample was tested according to the ANSI C82.77, the sample was operated at requirement Voltage and Frequency, and was stabilized before measurement. The Total Harmonic Distortion was calculated from the Digital Power Meter.</p>

**Integrating Sphere Test Results:**

**Test Condition:**

Test Ambient (°C)	Test Humidity (%)	Orientation	Stabilization Time (minute)	Test Time (minute)
25.4	41.0	Face Down	90	10

**Electrical Data:**

CCT	Voltage (V)	Frequency (Hz)	Current (A)	Wattage (W)	Power Factor
3000K	120.0	60	0.0708	8.05	0.9473

**Output Data:**

CCT	Luminous (lm)	Efficacy (lm/W)
3000K	526.8	65.42

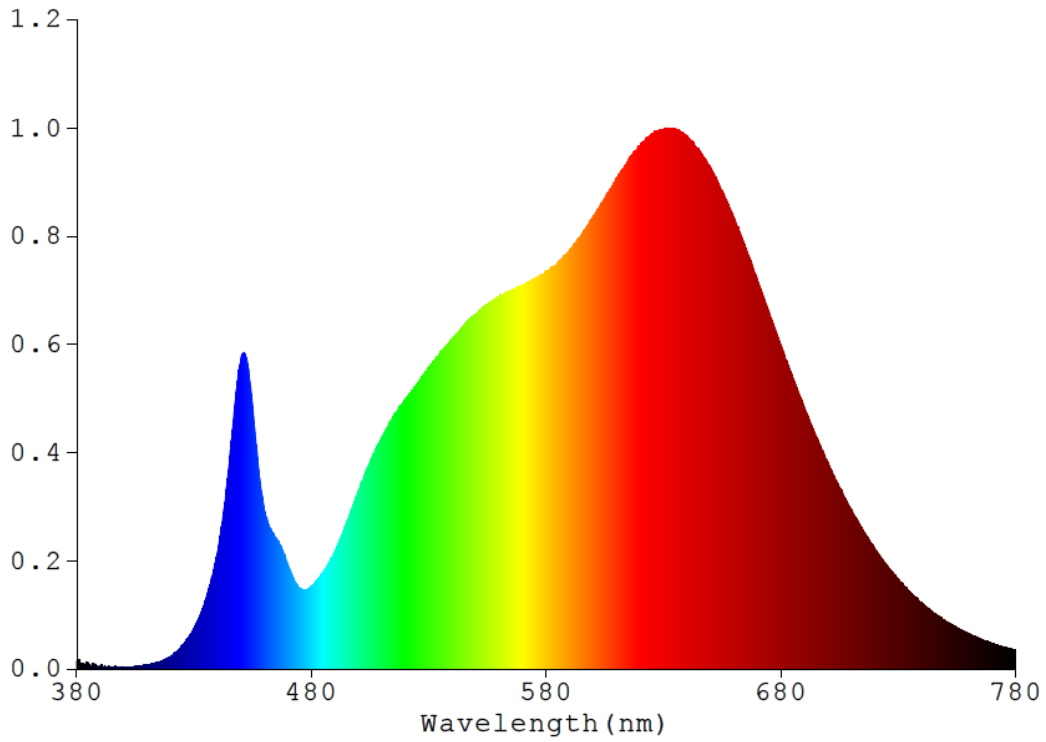
**Color Data:**

CCT	Test CCT (K)	R <sub>a</sub>	R <sub>9</sub>	R <sub>r</sub>	R <sub>g</sub>	R <sub>cs, h1</sub>	Chromaticity		
							(x, y)	(u', v')	Duv
3000K	2987	93.6	78	92	102	-3%	(0.4384,0.4056)	(0.2509,0.5222)	0.0004

**Specify Color Rendering:**

CCT	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
3000K	95	95	91	95	94	92	96	92	78	85	94	76	95	94	94

**Spectrum Diagram:**

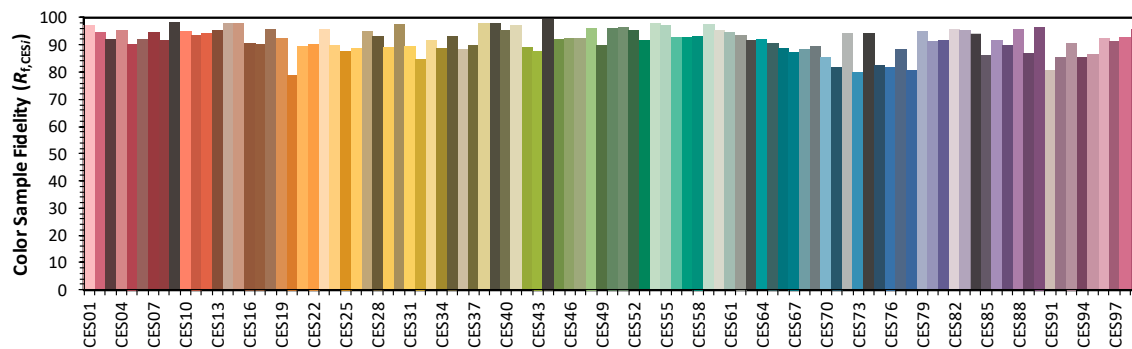
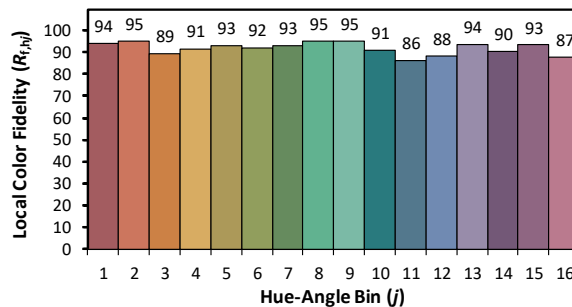
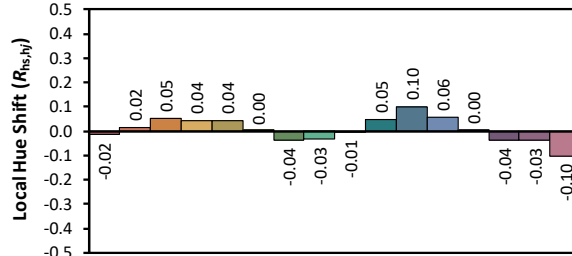
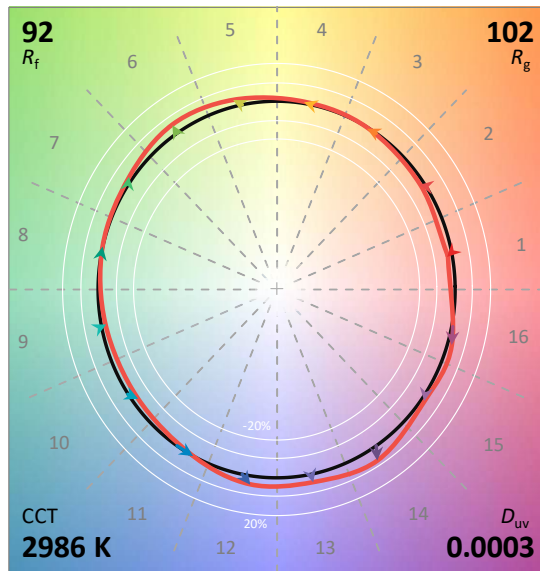
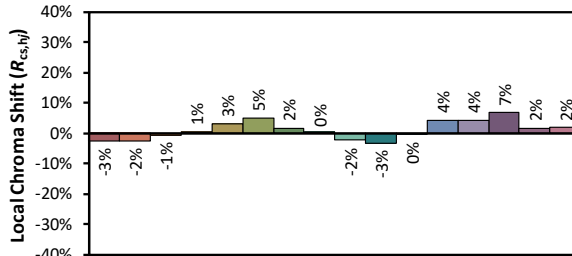
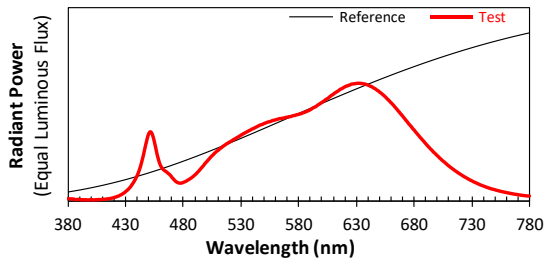


**IES TM-30-18 Color Rendition Result:**

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

Source: 1 CIE F1  
Date: 2025/4/8

Manufacturer: RAB LIGHTING INC.  
Model: TKPSY[blank, B]



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

$x$  0.4384  
 $y$  0.4054  
 $u'$  0.2509  
 $v'$  0.5221

CIE 13.3-1995  
(CRI)  
 $R_a$  94  
 $R_g$  78

**Spectrum Data:**

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	1.35E-05	447	4.69E-04	514	4.59E-04	581	7.38E-04	648	9.38E-04	715	2.56E-04
381	1.28E-05	448	5.09E-04	515	4.67E-04	582	7.40E-04	649	9.33E-04	716	2.49E-04
382	1.24E-05	449	5.49E-04	516	4.73E-04	583	7.45E-04	650	9.24E-04	717	2.43E-04
383	1.19E-05	450	5.73E-04	517	4.81E-04	584	7.49E-04	651	9.17E-04	718	2.35E-04
384	1.15E-05	451	5.85E-04	518	4.85E-04	585	7.51E-04	652	9.09E-04	719	2.29E-04
385	9.50E-06	452	5.79E-04	519	4.92E-04	586	7.56E-04	653	9.00E-04	720	2.22E-04
386	6.30E-06	453	5.58E-04	520	4.98E-04	587	7.60E-04	654	8.92E-04	721	2.17E-04
387	5.90E-06	454	5.26E-04	521	5.05E-04	588	7.64E-04	655	8.82E-04	722	2.10E-04
388	8.00E-06	455	4.83E-04	522	5.09E-04	589	7.69E-04	656	8.72E-04	723	2.04E-04
389	6.90E-06	456	4.39E-04	523	5.17E-04	590	7.74E-04	657	8.62E-04	724	1.99E-04
390	9.30E-06	457	3.92E-04	524	5.22E-04	591	7.80E-04	658	8.53E-04	725	1.93E-04
391	4.00E-06	458	3.55E-04	525	5.27E-04	592	7.87E-04	659	8.41E-04	726	1.87E-04
392	4.90E-06	459	3.21E-04	526	5.34E-04	593	7.93E-04	660	8.32E-04	727	1.81E-04
393	5.30E-06	460	2.97E-04	527	5.39E-04	594	7.97E-04	661	8.22E-04	728	1.75E-04
394	3.80E-06	461	2.80E-04	528	5.45E-04	595	8.02E-04	662	8.11E-04	729	1.71E-04
395	5.00E-06	462	2.67E-04	529	5.51E-04	596	8.10E-04	663	8.00E-04	730	1.66E-04
396	3.70E-06	463	2.58E-04	530	5.57E-04	597	8.17E-04	664	7.88E-04	731	1.60E-04
397	3.20E-06	464	2.50E-04	531	5.63E-04	598	8.23E-04	665	7.77E-04	732	1.56E-04
398	3.50E-06	465	2.43E-04	532	5.70E-04	599	8.30E-04	666	7.64E-04	733	1.52E-04
399	4.50E-06	466	2.36E-04	533	5.74E-04	600	8.37E-04	667	7.54E-04	734	1.47E-04
400	5.40E-06	467	2.27E-04	534	5.80E-04	601	8.43E-04	668	7.40E-04	735	1.42E-04
401	4.30E-06	468	2.19E-04	535	5.85E-04	602	8.49E-04	669	7.30E-04	736	1.38E-04
402	3.10E-06	469	2.08E-04	536	5.91E-04	603	8.58E-04	670	7.18E-04	737	1.33E-04
403	4.00E-06	470	1.94E-04	537	5.96E-04	604	8.64E-04	671	7.06E-04	738	1.29E-04
404	5.20E-06	471	1.84E-04	538	6.00E-04	605	8.70E-04	672	6.93E-04	739	1.26E-04
405	5.20E-06	472	1.73E-04	539	6.07E-04	606	8.78E-04	673	6.81E-04	740	1.22E-04
406	6.40E-06	473	1.63E-04	540	6.11E-04	607	8.86E-04	674	6.70E-04	741	1.18E-04
407	6.20E-06	474	1.56E-04	541	6.15E-04	608	8.94E-04	675	6.56E-04	742	1.15E-04
408	6.10E-06	475	1.51E-04	542	6.20E-04	609	9.01E-04	676	6.45E-04	743	1.11E-04
409	7.60E-06	476	1.48E-04	543	6.25E-04	610	9.07E-04	677	6.34E-04	744	1.07E-04
410	8.20E-06	477	1.46E-04	544	6.31E-04	611	9.16E-04	678	6.22E-04	745	1.04E-04
411	8.50E-06	478	1.47E-04	545	6.36E-04	612	9.21E-04	679	6.09E-04	746	1.01E-04
412	9.20E-06	479	1.50E-04	546	6.41E-04	613	9.28E-04	680	5.99E-04	747	9.80E-05
413	1.07E-05	480	1.54E-04	547	6.45E-04	614	9.33E-04	681	5.86E-04	748	9.46E-05
414	1.26E-05	481	1.58E-04	548	6.48E-04	615	9.41E-04	682	5.75E-04	749	9.31E-05
415	1.31E-05	482	1.63E-04	549	6.51E-04	616	9.48E-04	683	5.62E-04	750	9.00E-05
416	1.46E-05	483	1.68E-04	550	6.57E-04	617	9.53E-04	684	5.52E-04	751	8.69E-05
417	1.72E-05	484	1.75E-04	551	6.60E-04	618	9.57E-04	685	5.39E-04	752	8.44E-05
418	1.92E-05	485	1.80E-04	552	6.64E-04	619	9.65E-04	686	5.29E-04	753	8.17E-05
419	2.15E-05	486	1.87E-04	553	6.68E-04	620	9.69E-04	687	5.17E-04	754	7.92E-05
420	2.51E-05	487	1.94E-04	554	6.70E-04	621	9.75E-04	688	5.07E-04	755	7.68E-05
421	2.72E-05	488	2.02E-04	555	6.72E-04	622	9.76E-04	689	4.94E-04	756	7.44E-05
422	3.13E-05	489	2.09E-04	556	6.76E-04	623	9.82E-04	690	4.83E-04	757	7.23E-05
423	3.46E-05	490	2.19E-04	557	6.81E-04	624	9.84E-04	691	4.72E-04	758	7.03E-05
424	3.84E-05	491	2.28E-04	558	6.83E-04	625	9.90E-04	692	4.61E-04	759	6.80E-05
425	4.41E-05	492	2.39E-04	559	6.84E-04	626	9.92E-04	693	4.51E-04	760	6.60E-05
426	4.89E-05	493	2.48E-04	560	6.89E-04	627	9.93E-04	694	4.39E-04	761	6.39E-05
427	5.47E-05	494	2.60E-04	561	6.90E-04	628	9.95E-04	695	4.31E-04	762	6.20E-05
428	6.13E-05	495	2.72E-04	562	6.93E-04	629	9.95E-04	696	4.19E-04	763	6.00E-05
429	6.80E-05	496	2.83E-04	563	6.97E-04	630	9.98E-04	697	4.09E-04	764	5.78E-05
430	7.71E-05	497	2.93E-04	564	6.97E-04	631	9.99E-04	698	4.01E-04	765	5.64E-05
431	8.51E-05	498	3.07E-04	565	7.00E-04	632	9.98E-04	699	3.90E-04	766	5.41E-05
432	9.44E-05	499	3.19E-04	566	7.01E-04	633	9.99E-04	700	3.81E-04	767	5.25E-05
433	1.05E-04	500	3.30E-04	567	7.03E-04	634	9.97E-04	701	3.72E-04	768	5.11E-05
434	1.16E-04	501	3.41E-04	568	7.06E-04	635	9.97E-04	702	3.62E-04	769	4.94E-05
435	1.31E-04	502	3.52E-04	569	7.09E-04	636	9.94E-04	703	3.53E-04	770	4.80E-05
436	1.45E-04	503	3.63E-04	570	7.09E-04	637	9.94E-04	704	3.43E-04	771	4.62E-05
437	1.60E-04	504	3.74E-04	571	7.13E-04	638	9.90E-04	705	3.35E-04	772	4.49E-05
438	1.77E-04	505	3.84E-04	572	7.14E-04	639	9.86E-04	706	3.28E-04	773	4.34E-05
439	1.98E-04	506	3.93E-04	573	7.15E-04	640	9.83E-04	707	3.19E-04	774	4.22E-05
440	2.17E-04	507	4.04E-04	574	7.19E-04	641	9.79E-04	708	3.10E-04	775	4.08E-05
441	2.43E-04	508	4.12E-04	575	7.22E-04	642	9.73E-04	709	3.01E-04	776	3.96E-05
442	2.71E-04	509	4.21E-04	576	7.24E-04	643	9.71E-04	710	2.94E-04	777	3.86E-05
443	3.04E-04	510	4.27E-04	577	7.26E-04	644	9.64E-04	711	2.85E-04	778	3.69E-05
444	3.42E-04	511	4.36E-04	578	7.31E-04	645	9.58E-04	712	2.78E-04	779	3.74E-05
445	3.80E-04	512	4.44E-04	579	7.31E-04	646	9.53E-04	713	2.70E-04	780	3.75E-05
446	4.25E-04	513	4.52E-04	580	7.35E-04	647	9.46E-04	714	2.64E-04	N/A	N/A

**Goniophotometer Test Results:**

**Test Condition:**

Test Ambient (°C)	Test Humidity (%)	Orientation	Stabilization Time (minute)	Test Time (minute)
28.6	36.6	Face Down	90	25

**Electrical Data:**

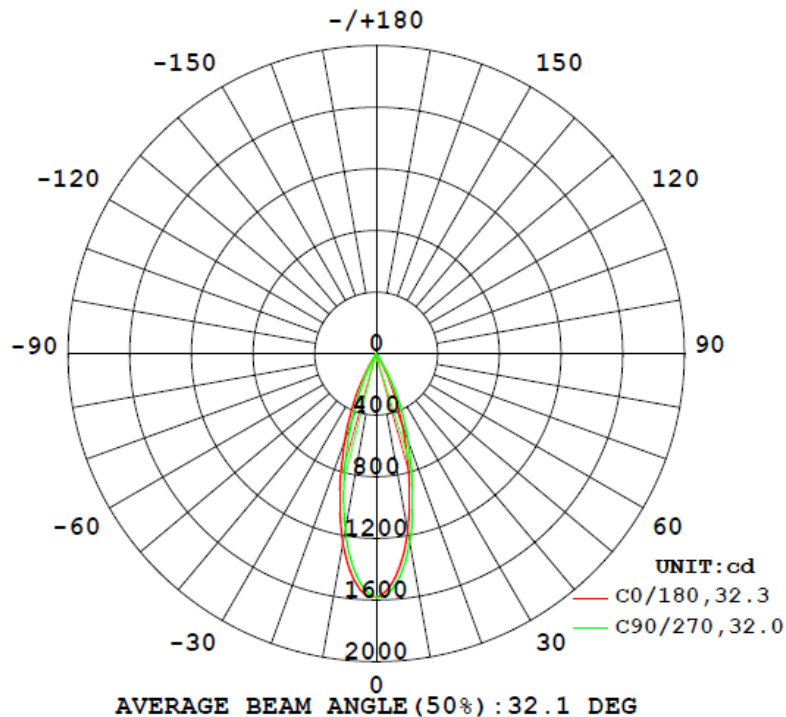
Voltage (V)	Frequency (Hz)	Current (A)	Wattage (W)	Power Factor
120.0	60	0.0707	8.04	0.9469

**Goniophotometer Data:**

Parameter	Results
Total Luminous (lm)	525.4
Luminous Efficacy (lm/W)	65.33
Beam Angle (°)	32.1
Center Beam Intensity (cd)	1581

**Luminous Intensity Distribution Diagram:**

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

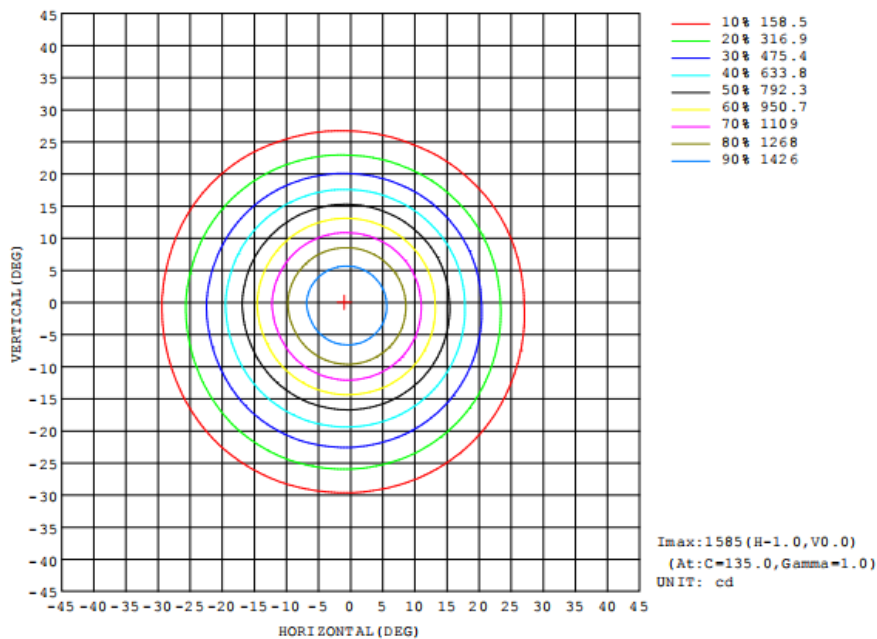


### Zonal Flux Diagram:

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	● zone	● total	●lum, lamp
10	1174	1217	1247	1259	1254	1210	1164	1153	0- 10	132.3	132.3	25.2,25.2
20	497.1	558.7	603.1	614.3	603.0	539.6	476.6	465.7	10- 20	235.9	368.2	70.1,70.1
30	61.07	102.8	144.3	151.9	134.8	86.15	54.42	49.71	20- 30	133.4	501.6	95.5,95.5
40	9.296	10.35	10.36	10.03	10.46	9.902	8.894	8.479	30- 40	17.03	518.6	98.7,98.7
50	2.504	2.934	2.998	2.896	3.006	2.731	2.436	2.380	40- 50	4.384	523.0	99.5,99.5
60	1.216	1.237	1.269	1.222	1.267	1.251	1.209	1.197	50- 60	1.553	524.5	99.8,99.8
70	0.2561	0.3018	0.4090	0.3769	0.3571	0.2839	0.2575	0.2773	60- 70	0.7796	525.3	100,100
80	0.0047	0.0045	0.0041	0.0036	0.0035	0.0037	0.0045	0.0039	70- 80	0.0796	525.4	100,100
90	0	0	0	0	0	0	0	0	80- 90	0.0013	525.4	100,100
100	0	0	0	0	0	0	0	0	90-100	0	525.4	100,100
110	0	0	0	0	0	0	0	0	100-110	0.0000	525.4	100,100
120	0	0	0	0	0	0	0	0	110-120	0	525.4	100,100
130	0	0	0	0	0	0	0	0	120-130	0	525.4	100,100
140	0	0	0	0	0	0	0	0	130-140	0	525.4	100,100
150	0.0024	0.0019	0.0013	0.0015	0.0002	0.0006	0.0019	0.0011	140-150	0.0001	525.4	100,100
160	0.0000	0.0063	0.0086	0.0077	0.0047	0.0049	0.0069	0.0050	150-160	0.0017	525.4	100,100
170	0.0116	0.0090	0.0121	0.0149	0.0097	0.0119	0.0101	0.0105	160-170	0.0024	525.4	100,100
180	0	0	0	0	0	0	0	0	170-180	0.0009	525.4	100,100
DEG	LUMINOUS INTENSITY:cd										UNIT:lm	

### Isocandela Diagram:



**Luminous Distribution Intensity Data:**

Table--1 UNIT: cd

C (DEG) Y (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5				
0	1581	1581	1581	1581	1581	1581	1581	1581	1581	1581	1581	1581	1581	1581	1581	1581				
5	1451	1461	1474	1485	1494	1501	1504	1504	1503	1492	1478	1465	1453	1446	1444	1448				
10	1174	1197	1217	1233	1247	1256	1259	1256	1254	1236	1210	1185	1164	1153	1153	1162				
15	819	847	873	894	909	918	921	918	919	893	862	831	808	795	795	809				
20	497	529	559	585	603	613	614	608	603	575	539	503	477	463	466	482				
25	239	269	305	338	362	374	373	360	348	315	277	245	220	207	210	224				
30	61.1	79.4	103	127	144	154	152	142	135	114	86.1	65.6	54.4	49.2	49.7	53.9				
35	13.2	13.8	14.5	15.2	15.3	14.8	14.7	15.0	15.8	14.7	13.7	13.0	12.4	12.5	12.2	12.7				
40	9.30	9.88	10.3	10.5	10.4	10.0	10.0	10.2	10.5	10.3	9.90	9.37	8.80	8.41	8.48	8.85				
45	5.16	5.65	5.96	6.07	6.00	5.81	5.82	5.93	6.17	6.00	5.65	5.21	4.84	4.62	4.65	4.82				
50	2.50	2.72	2.93	3.02	3.00	2.88	2.86	2.91	3.01	2.91	2.73	2.58	2.44	2.37	2.35	2.40				
55	1.54	1.59	1.66	1.71	1.72	1.69	1.66	1.68	1.68	1.66	1.63	1.59	1.57	1.54	1.53	1.53				
60	1.22	1.22	1.24	1.25	1.27	1.24	1.22	1.24	1.27	1.26	1.25	1.22	1.21	1.20	1.20	1.21				
65	0.77	0.78	0.79	0.82	0.83	0.83	0.80	0.80	0.82	0.79	0.76	0.74	0.72	0.74	0.76	0.77				
70	0.26	0.27	0.30	0.36	0.41	0.41	0.38	0.37	0.36	0.33	0.28	0.25	0.26	0.28	0.28	0.27				
75	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01				
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
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				
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				
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				
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				
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				
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				
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				
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				
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				
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				
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				
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				
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				
155	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
160	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.01	0.01				
165	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				
170	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				
175	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				
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				

**THD and PF Measurement Test Results:**

**Electrical Measurement:**

CCT	Voltage (V)	Frequency (Hz)	Current (A)	Wattage (W)	Power Factor	iTHD(%)
3000K	120.0	60	0.0707	8.04	0.9469	18.16

**Photo of Sample:**



**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	2024-08-06	2025-08-05
NTC-F01-020	Temperature & Humidity Meter	2024-10-29	2025-10-28

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