

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1245025

Luminaire Tested: PRLX-NIM-L-927-23L-U-NR

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245025
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-NIM-L-927-23L-U-NR
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL RIBS SHADE TEXTURE
LIGHT LEVEL 7
Light Source: -
Ballast/Driver: -

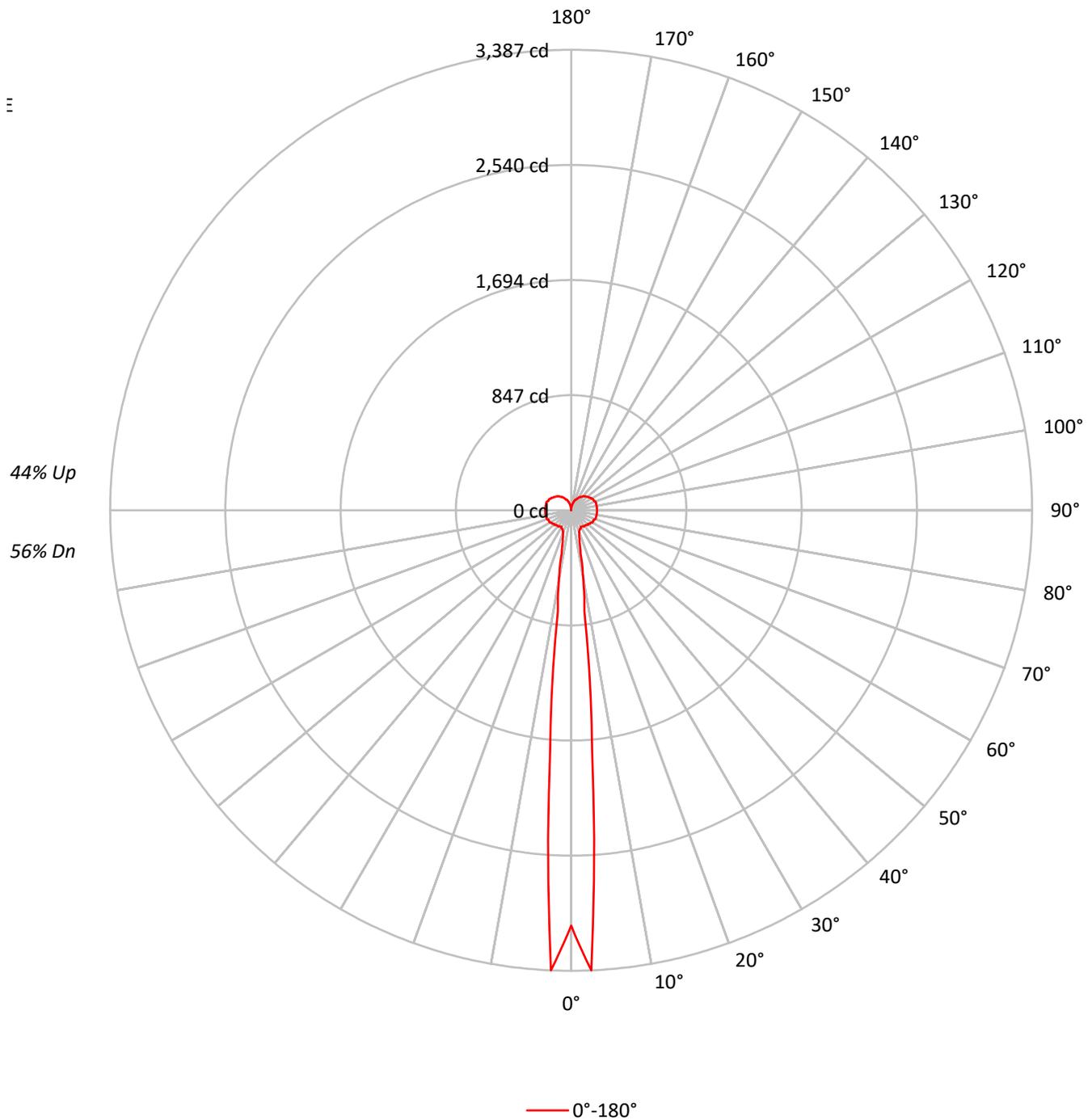
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2208.2 lumens
Efficiency: N/A
Efficacy: 37.9 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	56
1	95	89	83	78	87	82	77	73	70	66	62	58	55	53	48	45	43	38
2	85	76	68	61	78	70	63	57	59	54	49	49	45	42	40	37	34	30
3	77	66	57	50	71	61	53	47	52	45	40	43	38	34	35	31	28	24
4	71	58	49	42	65	54	46	40	46	39	34	38	33	29	31	27	24	20
5	65	52	43	36	60	48	40	34	41	35	30	34	29	25	28	24	21	18
6	60	47	38	32	55	44	36	30	37	31	26	31	26	22	26	22	19	16
7	56	43	34	28	51	40	32	27	34	28	23	29	24	20	24	20	17	15
8	52	39	31	25	48	36	29	24	32	25	21	27	22	18	23	19	16	13
9	49	36	28	23	45	34	27	22	29	23	19	25	20	17	21	17	15	12
10	46	33	26	21	43	31	25	20	27	22	18	24	19	16	20	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	96652
5°	43765
10°	10422
15°	4131
20°	2619
25°	2093
30°	1794
35°	1665
40°	1669
45°	1585
50°	1615
55°	1655
60°	1705
65°	1677
70°	1751
75°	1749
80°	1761
85°	1787

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1827 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.5	5.9
10°-20°	73.6	3.3
20°-30°	71.6	3.2
30°-40°	91.8	4.2
40°-50°	120.5	5.5
50°-60°	151.3	6.9
60°-70°	180.2	8.2
70°-80°	200.8	9.1
80°-90°	207.1	9.4
90°-100°	207.1	9.4
100°-110°	200.8	9.1
110°-120°	179.0	8.1
120°-130°	147.0	6.7
130°-140°	112.2	5.1
140°-150°	75.5	3.4
150°-160°	41.5	1.9
160°-170°	16.7	0.8
170°-180°	2.0	0.1
0°-30°	274.7	12.4
0°-40°	366.5	16.6
0°-60°	638.2	28.9
0°-90°	1226.3	55.5
90°-120°	586.9	26.6
90°-150°	921.7	41.7
90°-180°	982.0	44.5
0°-180°	2208.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3055	
5°	1774	130
15°	237	74
25°	152	72
35°	142	92
45°	152	120
55°	171	151
65°	180	180
75°	190	201
85°	190	155
90°	190	104
95°	190	155
105°	190	201
115°	180	179
125°	161	147
135°	142	112
145°	123	76
155°	85	42
165°	57	17
175°	10	2
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3055.1
2.5°	3387.2
5°	1774.3
7.5°	749.6
10°	512.4
12.5°	322.6
15°	237.2
17.5°	199.2
20°	170.8
22.5°	161.3
25°	151.8
27.5°	151.8
30°	142.3
32.5°	142.3
35°	142.3
37.5°	151.8
40°	151.8
42.5°	151.8
45°	151.8
47.5°	161.3
50°	161.3
52.5°	161.3
55°	170.8
57.5°	170.8
60°	180.3
62.5°	180.3
65°	180.3
67.5°	180.3
70°	189.8
72.5°	189.8
75°	189.8
77.5°	189.8
80°	189.8
82.5°	189.8
85°	189.8
87.5°	189.8
90°	189.8
92.5°	189.8
95°	189.8
97.5°	189.8
100°	189.8
102.5°	189.8
105°	189.8
107.5°	189.8
110°	189.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	180.3
115°	180.3
117.5°	180.3
120°	170.8
122.5°	170.8
125°	161.3
127.5°	161.3
130°	151.8
132.5°	151.8
135°	142.3
137.5°	142.3
140°	132.8
142.5°	123.3
145°	123.3
147.5°	113.9
150°	104.4
152.5°	94.9
155°	85.4
157.5°	85.4
160°	75.9
162.5°	66.4
165°	56.9
167.5°	47.4
170°	38.0
172.5°	28.5
175°	9.5
177.5°	0.0
180°	0.0



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	9.2	10.2	10.1	11.2	12.3	9.2	10.2	10.1	11.2	12.3
	3H	12.3	13.2	13.2	14.1	15.3	12.3	13.2	13.2	14.1	15.3
	4H	13.8	14.7	14.7	15.6	16.8	13.8	14.7	14.7	15.6	16.8
	6H	15.2	16.0	16.1	17.0	18.2	15.2	16.0	16.1	17.0	18.2
	8H	15.9	16.7	16.8	17.6	18.9	15.9	16.7	16.8	17.6	18.9
	12H	16.5	17.3	17.5	18.3	19.5	16.5	17.3	17.5	18.3	19.5
4H	2H	10.0	10.9	10.9	11.8	13.0	10.0	10.9	10.9	11.8	13.0
	3H	13.3	14.0	14.2	15.0	16.2	13.3	14.0	14.2	15.0	16.2
	4H	14.9	15.6	15.8	16.6	17.8	14.9	15.6	15.8	16.6	17.8
	6H	16.5	17.1	17.4	18.1	19.4	16.5	17.1	17.4	18.1	19.4
	8H	17.2	17.9	18.2	18.8	20.1	17.2	17.9	18.2	18.8	20.1
	12H	18.0	18.6	19.0	19.6	20.8	18.0	18.6	19.0	19.6	20.8
8H	4H	15.4	16.0	16.3	17.0	18.3	15.4	16.0	16.3	17.0	18.3
	6H	17.2	17.7	18.2	18.7	20.0	17.2	17.7	18.2	18.7	20.0
	8H	18.1	18.6	19.1	19.6	20.9	18.1	18.6	19.1	19.6	20.9
	12H	19.1	19.5	20.0	20.5	21.8	19.1	19.5	20.0	20.5	21.8
12H	4H	15.5	16.1	16.5	17.1	18.3	15.5	16.1	16.5	17.1	18.3
	6H	17.4	17.9	18.4	18.9	20.2	17.4	17.9	18.4	18.9	20.2
	8H	18.4	18.8	19.4	19.8	21.1	18.4	18.8	19.4	19.8	21.1

(END OF REPORT)