

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: P1244802

Luminaire Tested: PRLX-MIN-L-927-23L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244802
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-MIN-L-927-23L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 7
Light Source: -
Ballast/Driver: -

Summary

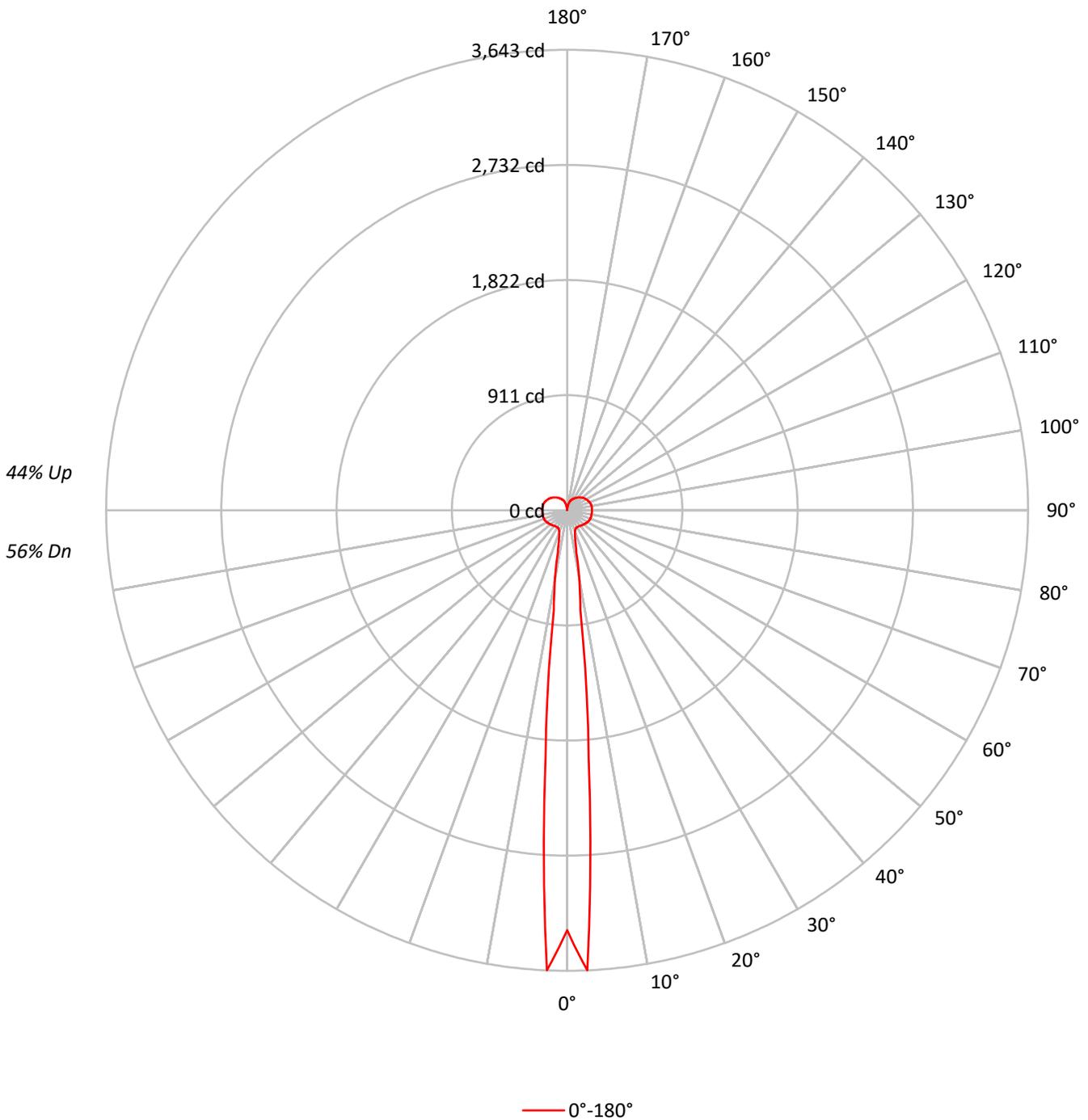
Lumens per Lamp: N/A
Luminaire Lumens: 2290.8 lumens
Efficiency: N/A
Efficacy: 39.4 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (Ain): 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	109	109	109	109	101	101	101	101	87	87	87		74	74	74		62	62	62	56
1	95	89	83	78	88	82	77	73	70	66	63		59	56	53		48	46	44	39
2	85	76	68	62	79	70	63	58	60	54	50		50	46	42		41	38	35	30
3	77	66	57	50	71	61	53	47	52	46	41		43	39	35		36	32	29	25
4	71	58	49	42	65	54	46	40	46	40	35		39	34	30		32	28	25	21
5	65	52	43	37	60	48	40	34	41	35	30		35	30	26		29	25	22	18
6	60	47	38	32	55	44	36	30	38	31	26		32	27	23		27	22	19	16
7	56	43	34	28	52	40	32	27	35	28	24		29	24	21		25	21	18	15
8	52	39	31	25	48	37	29	24	32	26	21		27	22	19		23	19	16	14
9	49	36	28	23	45	34	27	22	30	24	20		26	21	17		22	18	15	13
10	46	34	26	21	43	32	25	20	28	22	18		24	19	16		21	17	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	105058
5°	48178
10°	11229
15°	4288
20°	2769
25°	2204
30°	1958
35°	1830
40°	1770
45°	1741
50°	1727
55°	1738
60°	1751
65°	1776
70°	1793
75°	1813
80°	1814
85°	1852

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1894 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.1	6.1
10°-20°	77.1	3.4
20°-30°	75.1	3.3
30°-40°	98.6	4.3
40°-50°	129.3	5.6
50°-60°	161.0	7.0
60°-70°	189.3	8.3
70°-80°	207.0	9.0
80°-90°	214.1	9.3
90°-100°	214.4	9.4
100°-110°	203.8	8.9
110°-120°	180.3	7.9
120°-130°	148.5	6.5
130°-140°	112.0	4.9
140°-150°	75.7	3.3
150°-160°	44.3	1.9
160°-170°	18.3	0.8
170°-180°	1.8	0.1
0°-30°	292.3	12.8
0°-40°	390.9	17.1
0°-60°	681.2	29.7
0°-90°	1291.6	56.4
90°-120°	598.6	26.1
90°-150°	934.9	40.8
90°-180°	999.0	43.6
0°-180°	2290.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3321	
5°	1953	140
15°	246	77
25°	160	75
35°	156	99
45°	167	129
55°	179	161
65°	191	189
75°	197	207
85°	197	160
90°	197	108
95°	197	161
105°	193	204
115°	182	180
125°	166	148
135°	145	112
145°	120	76
155°	96	44
165°	64	18
175°	9	2
180°	1	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3320.8
2.5°	3642.9
5°	1953.2
7.5°	794.8
10°	552.1
12.5°	338.2
15°	246.2
17.5°	204.7
20°	180.6
22.5°	167.9
25°	159.9
27.5°	156.4
30°	155.3
32.5°	155.3
35°	156.4
37.5°	157.6
40°	161.0
42.5°	163.3
45°	166.8
47.5°	170.2
50°	172.5
52.5°	176.0
55°	179.4
57.5°	182.9
60°	185.2
62.5°	188.6
65°	190.9
67.5°	193.2
70°	194.4
72.5°	195.5
75°	196.7
77.5°	195.5
80°	195.5
82.5°	195.5
85°	196.7
87.5°	196.7
90°	196.7
92.5°	196.7
95°	196.7
97.5°	196.7
100°	195.5
102.5°	194.4
105°	193.2
107.5°	190.9
110°	188.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	185.2
115°	181.7
117.5°	178.3
120°	173.7
122.5°	170.2
125°	165.6
127.5°	161.0
130°	155.3
132.5°	150.7
135°	144.9
137.5°	138.0
140°	132.3
142.5°	126.5
145°	119.6
147.5°	113.9
150°	108.1
152.5°	101.2
155°	95.5
157.5°	88.6
160°	81.7
162.5°	73.6
165°	64.4
167.5°	51.8
170°	35.7
172.5°	21.9
175°	9.2
177.5°	2.3
180°	1.2



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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	9.5	10.6	10.4	11.5	12.7	9.5	10.6	10.4	11.5	12.7
	3H	12.5	13.5	13.4	14.4	15.6	12.5	13.5	13.4	14.4	15.6
	4H	14.0	14.9	14.9	15.8	17.0	14.0	14.9	14.9	15.8	17.0
	6H	15.4	16.2	16.3	17.2	18.4	15.4	16.2	16.3	17.2	18.4
	8H	16.0	16.9	17.0	17.8	19.0	16.0	16.9	17.0	17.8	19.0
	12H	16.7	17.5	17.6	18.4	19.7	16.7	17.5	17.6	18.4	19.7
4H	2H	10.3	11.2	11.2	12.2	13.4	10.3	11.2	11.2	12.2	13.4
	3H	13.5	14.3	14.4	15.2	16.5	13.5	14.3	14.4	15.2	16.5
	4H	15.1	15.8	16.0	16.8	18.0	15.1	15.8	16.0	16.8	18.0
	6H	16.6	17.3	17.6	18.3	19.5	16.6	17.3	17.6	18.3	19.5
	8H	17.4	18.0	18.3	19.0	20.2	17.4	18.0	18.3	19.0	20.2
	12H	18.2	18.7	19.1	19.7	21.0	18.2	18.7	19.1	19.7	21.0
8H	4H	15.6	16.2	16.5	17.2	18.4	15.6	16.2	16.5	17.2	18.4
	6H	17.3	17.9	18.3	18.9	20.1	17.3	17.9	18.3	18.9	20.1
	8H	18.3	18.7	19.2	19.7	21.0	18.3	18.7	19.2	19.7	21.0
	12H	19.2	19.6	20.2	20.6	21.9	19.2	19.6	20.2	20.6	21.9
12H	4H	15.7	16.3	16.7	17.3	18.5	15.7	16.3	16.7	17.3	18.5
	6H	17.5	18.0	18.5	19.0	20.3	17.5	18.0	18.5	19.0	20.3
	8H	18.5	19.0	19.5	19.9	21.2	18.5	19.0	19.5	19.9	21.2

(END OF REPORT)