

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: P1244796

Luminaire Tested: PRLX-MIN-L-927-16L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244796
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-927-16L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

Summary

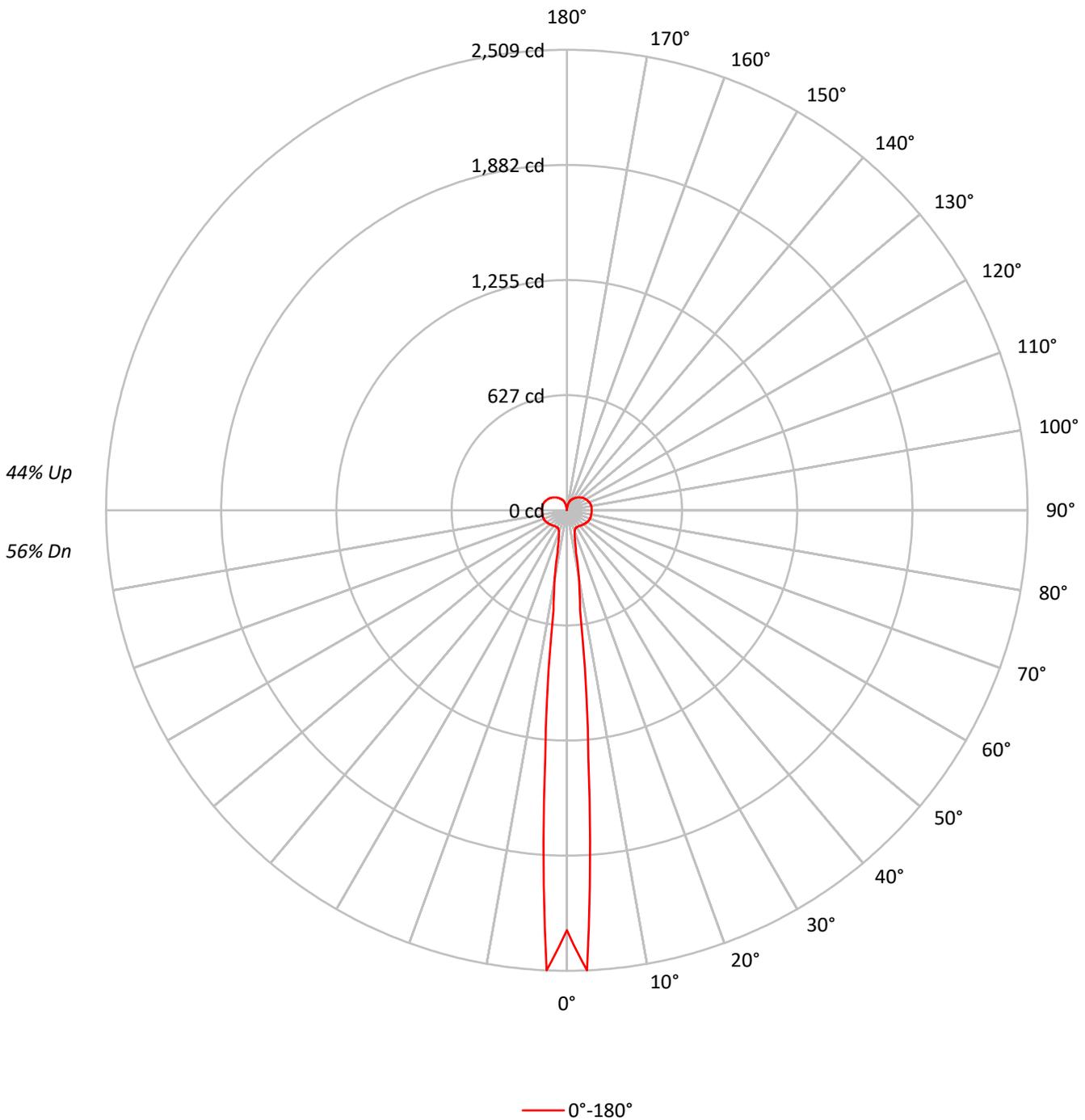
Lumens per Lamp: N/A
Luminaire Lumens: 1578.1 lumens
Efficiency: N/A
Efficacy: 40.7 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 38.8
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	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	36	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°	72362
5°	33183
10°	7735
15°	2952
20°	1907
25°	1518
30°	1349
35°	1261
40°	1219
45°	1199
50°	1189
55°	1198
60°	1207
65°	1223
70°	1235
75°	1249
80°	1250
85°	1276

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1305 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.5	6.1
10°-20°	53.1	3.4
20°-30°	51.8	3.3
30°-40°	67.9	4.3
40°-50°	89.1	5.6
50°-60°	110.9	7.0
60°-70°	130.4	8.3
70°-80°	142.6	9.0
80°-90°	147.5	9.3
90°-100°	147.7	9.4
100°-110°	140.4	8.9
110°-120°	124.2	7.9
120°-130°	102.3	6.5
130°-140°	77.2	4.9
140°-150°	52.2	3.3
150°-160°	30.5	1.9
160°-170°	12.6	0.8
170°-180°	1.2	0.1
0°-30°	201.4	12.8
0°-40°	269.3	17.1
0°-60°	469.2	29.7
0°-90°	889.7	56.4
90°-120°	412.4	26.1
90°-150°	644.0	40.8
90°-180°	688.0	43.6
0°-180°	1578.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2287	
5°	1345	96
15°	170	53
25°	110	52
35°	108	68
45°	115	89
55°	124	111
65°	132	130
75°	136	143
85°	136	110
90°	136	74
95°	136	111
105°	133	140
115°	125	124
125°	114	102
135°	100	77
145°	82	52
155°	66	31
165°	44	13
175°	6	1
180°	1	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2287.3
2.5°	2509.2
5°	1345.3
7.5°	547.5
10°	380.3
12.5°	232.9
15°	169.5
17.5°	141.0
20°	124.4
22.5°	115.7
25°	110.1
27.5°	107.8
30°	107.0
32.5°	107.0
35°	107.8
37.5°	108.5
40°	110.9
42.5°	112.5
45°	114.9
47.5°	117.3
50°	118.8
52.5°	121.2
55°	123.6
57.5°	126.0
60°	127.6
62.5°	129.9
65°	131.5
67.5°	133.1
70°	133.9
72.5°	134.7
75°	135.5
77.5°	134.7
80°	134.7
82.5°	134.7
85°	135.5
87.5°	135.5
90°	135.5
92.5°	135.5
95°	135.5
97.5°	135.5
100°	134.7
102.5°	133.9
105°	133.1
107.5°	131.5
110°	129.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	127.6
115°	125.2
117.5°	122.8
120°	119.6
122.5°	117.3
125°	114.1
127.5°	110.9
130°	107.0
132.5°	103.8
135°	99.8
137.5°	95.1
140°	91.1
142.5°	87.2
145°	82.4
147.5°	78.4
150°	74.5
152.5°	69.7
155°	65.8
157.5°	61.0
160°	56.3
162.5°	50.7
165°	44.4
167.5°	35.7
170°	24.6
172.5°	15.1
175°	6.3
177.5°	1.6
180°	0.8



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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	8.3	9.3	9.1	10.2	11.4	8.3	9.3	9.1	10.2	11.4
	3H	11.3	12.2	12.1	13.1	14.3	11.3	12.2	12.1	13.1	14.3
	4H	12.7	13.6	13.6	14.5	15.7	12.7	13.6	13.6	14.5	15.7
	6H	14.1	14.9	15.0	15.9	17.1	14.1	14.9	15.0	15.9	17.1
	8H	14.7	15.6	15.7	16.5	17.7	14.7	15.6	15.7	16.5	17.7
	12H	15.4	16.2	16.3	17.1	18.4	15.4	16.2	16.3	17.1	18.4
4H	2H	9.0	9.9	9.9	10.9	12.1	9.0	9.9	9.9	10.9	12.1
	3H	12.2	13.0	13.1	14.0	15.2	12.2	13.0	13.1	14.0	15.2
	4H	13.8	14.5	14.7	15.5	16.7	13.8	14.5	14.7	15.5	16.7
	6H	15.3	16.0	16.3	17.0	18.2	15.3	16.0	16.3	17.0	18.2
	8H	16.1	16.7	17.0	17.7	18.9	16.1	16.7	17.0	17.7	18.9
	12H	16.9	17.4	17.8	18.4	19.7	16.9	17.4	17.8	18.4	19.7
8H	4H	14.3	14.9	15.2	15.9	17.1	14.3	14.9	15.2	15.9	17.1
	6H	16.1	16.6	17.0	17.6	18.8	16.1	16.6	17.0	17.6	18.8
	8H	17.0	17.4	17.9	18.4	19.7	17.0	17.4	17.9	18.4	19.7
	12H	17.9	18.3	18.9	19.3	20.6	17.9	18.3	18.9	19.3	20.6
12H	4H	14.4	15.0	15.4	16.0	17.2	14.4	15.0	15.4	16.0	17.2
	6H	16.2	16.7	17.2	17.7	19.0	16.2	16.7	17.2	17.7	19.0
	8H	17.2	17.7	18.2	18.6	20.0	17.2	17.7	18.2	18.6	20.0

(END OF REPORT)