

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: P1244886

Luminaire Tested: PRLX-MIN-M-927-04L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244886
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-MIN-M-927-04L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, OPEN WEAVE SHADE TEXTU
LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

Summary

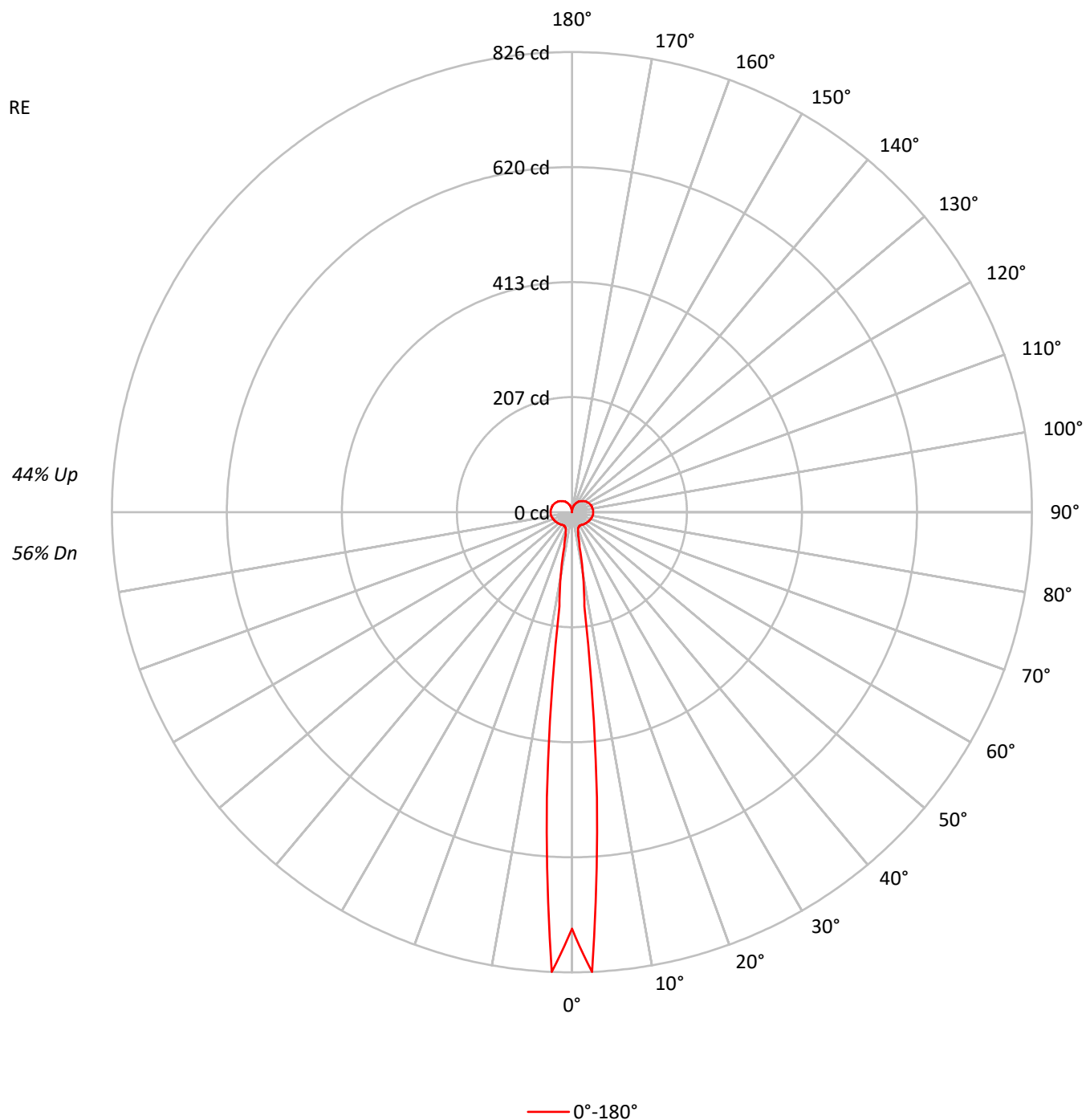
Lumens per Lamp: N/A
Luminaire Lumens: 440.0 lumens
Efficiency: N/A
Efficacy: 27.2 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 16.2
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			
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	84	79	88	82	78	73	70	66	63	59	56	53	48	46	44	39		
2	86	76	69	62	79	71	64	58	60	55	50	50	46	42	41	38	35	30		
3	78	67	58	51	71	62	54	48	52	46	41	44	39	35	36	32	29	25		
4	71	59	50	43	65	55	47	41	47	40	35	39	34	30	32	28	25	22		
5	66	53	44	37	60	49	41	35	42	36	31	36	31	27	29	26	22	19		
6	61	48	39	33	56	45	37	31	38	32	27	33	28	24	27	23	20	17		
7	57	44	35	29	52	41	33	28	35	29	25	30	25	22	25	21	18	16		
8	53	40	32	27	49	38	30	25	33	27	22	28	23	20	24	20	17	15		
9	50	37	29	24	46	35	28	23	31	25	21	26	22	18	23	19	16	14		
10	47	35	27	22	44	33	26	21	29	23	19	25	20	17	21	18	15	13		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	38318
5°	19370
10°	3471
15°	1103
20°	692
25°	560
30°	487
35°	448
40°	433
45°	425
50°	420
55°	418
60°	419
65°	423
70°	431
75°	441
80°	448
85°	459

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 467 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.9	7.5
10°-20°	14.4	3.3
20°-30°	13.6	3.1
30°-40°	17.8	4.1
40°-50°	23.5	5.3
50°-60°	29.2	6.6
60°-70°	34.5	7.8
70°-80°	39.0	8.9
80°-90°	41.5	9.4
90°-100°	41.5	9.4
100°-110°	39.3	8.9
110°-120°	35.0	8.0
120°-130°	28.9	6.6
130°-140°	21.8	5.0
140°-150°	14.9	3.4
150°-160°	8.4	1.9
160°-170°	3.4	0.8
170°-180°	0.3	0.1
0°-30°	60.9	13.8
0°-40°	78.7	17.9
0°-60°	131.5	29.9
0°-90°	246.6	56.0
90°-120°	115.8	26.3
90°-150°	181.4	41.2
90°-180°	193.0	43.9
0°-180°	440.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	748	
5°	514	33
15°	44	14
25°	29	14
35°	28	18
45°	30	24
55°	33	29
65°	35	35
75°	37	39
85°	38	31
90°	38	21
95°	38	31
105°	37	39
115°	35	35
125°	32	29
135°	28	22
145°	24	15
155°	18	8
165°	12	3
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	747.7
2.5°	826.1
5°	514.3
7.5°	170.5
10°	115.9
12.5°	63.5
15°	44.1
17.5°	36.4
20°	32.0
22.5°	30.4
25°	29.2
27.5°	28.1
30°	28.1
32.5°	28.1
35°	28.1
37.5°	28.7
40°	29.2
42.5°	29.8
45°	30.4
47.5°	30.9
50°	31.5
52.5°	32.0
55°	32.6
57.5°	33.1
60°	33.7
62.5°	34.2
65°	34.8
67.5°	35.3
70°	35.9
72.5°	36.4
75°	37.0
77.5°	37.5
80°	37.5
82.5°	38.1
85°	38.1
87.5°	38.1
90°	38.1
92.5°	38.1
95°	38.1
97.5°	38.1
100°	37.5
102.5°	37.5
105°	37.0
107.5°	37.0
110°	36.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	35.9
115°	35.3
117.5°	34.8
120°	33.7
122.5°	33.1
125°	32.0
127.5°	31.5
130°	30.4
132.5°	29.2
135°	28.1
137.5°	27.0
140°	25.9
142.5°	24.8
145°	23.7
147.5°	22.6
150°	21.0
152.5°	19.3
155°	18.2
157.5°	16.6
160°	14.9
162.5°	13.8
165°	11.6
167.5°	9.4
170°	6.6
172.5°	3.9
175°	1.1
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	4.3	5.4	5.2	6.3	7.5	4.3	5.4	5.2	6.3	7.5
	3H	7.4	8.3	8.3	9.3	10.4	7.4	8.3	8.3	9.3	10.4
	4H	8.9	9.8	9.8	10.7	11.9	8.9	9.8	9.8	10.7	11.9
	6H	10.4	11.2	11.3	12.1	13.4	10.4	11.2	11.3	12.1	13.4
	8H	11.1	11.9	12.0	12.8	14.0	11.1	11.9	12.0	12.8	14.0
	12H	11.8	12.5	12.7	13.5	14.7	11.8	12.5	12.7	13.5	14.7
4H	2H	5.1	6.0	6.0	7.0	8.2	5.1	6.0	6.0	7.0	8.2
	3H	8.3	9.1	9.3	10.1	11.3	8.3	9.1	9.3	10.1	11.3
	4H	10.0	10.7	10.9	11.7	12.9	10.0	10.7	10.9	11.7	12.9
	6H	11.6	12.3	12.6	13.3	14.5	11.6	12.3	12.6	13.3	14.5
	8H	12.4	13.0	13.4	14.0	15.3	12.4	13.0	13.4	14.0	15.3
	12H	13.2	13.8	14.2	14.8	16.0	13.2	13.8	14.2	14.8	16.0
8H	4H	10.5	11.1	11.5	12.1	13.4	10.5	11.1	11.5	12.1	13.4
	6H	12.4	12.9	13.3	13.9	15.2	12.4	12.9	13.3	13.9	15.2
	8H	13.3	13.8	14.3	14.8	16.1	13.3	13.8	14.3	14.8	16.1
	12H	14.3	14.7	15.3	15.7	17.0	14.3	14.7	15.3	15.7	17.0
12H	4H	10.6	11.2	11.6	12.2	13.5	10.6	11.2	11.6	12.2	13.5
	6H	12.6	13.0	13.5	14.0	15.3	12.6	13.0	13.5	14.0	15.3
	8H	13.6	14.0	14.6	15.0	16.3	13.6	14.0	14.6	15.0	16.3

(END OF REPORT)