

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: P1245178

Luminaire Tested: PRLX-NIM-M-935-04L-U-WO

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245178
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-NIM-M-935-04L-U-WO
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, WOVEN OVAL SHADE TEXTU
LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

Summary

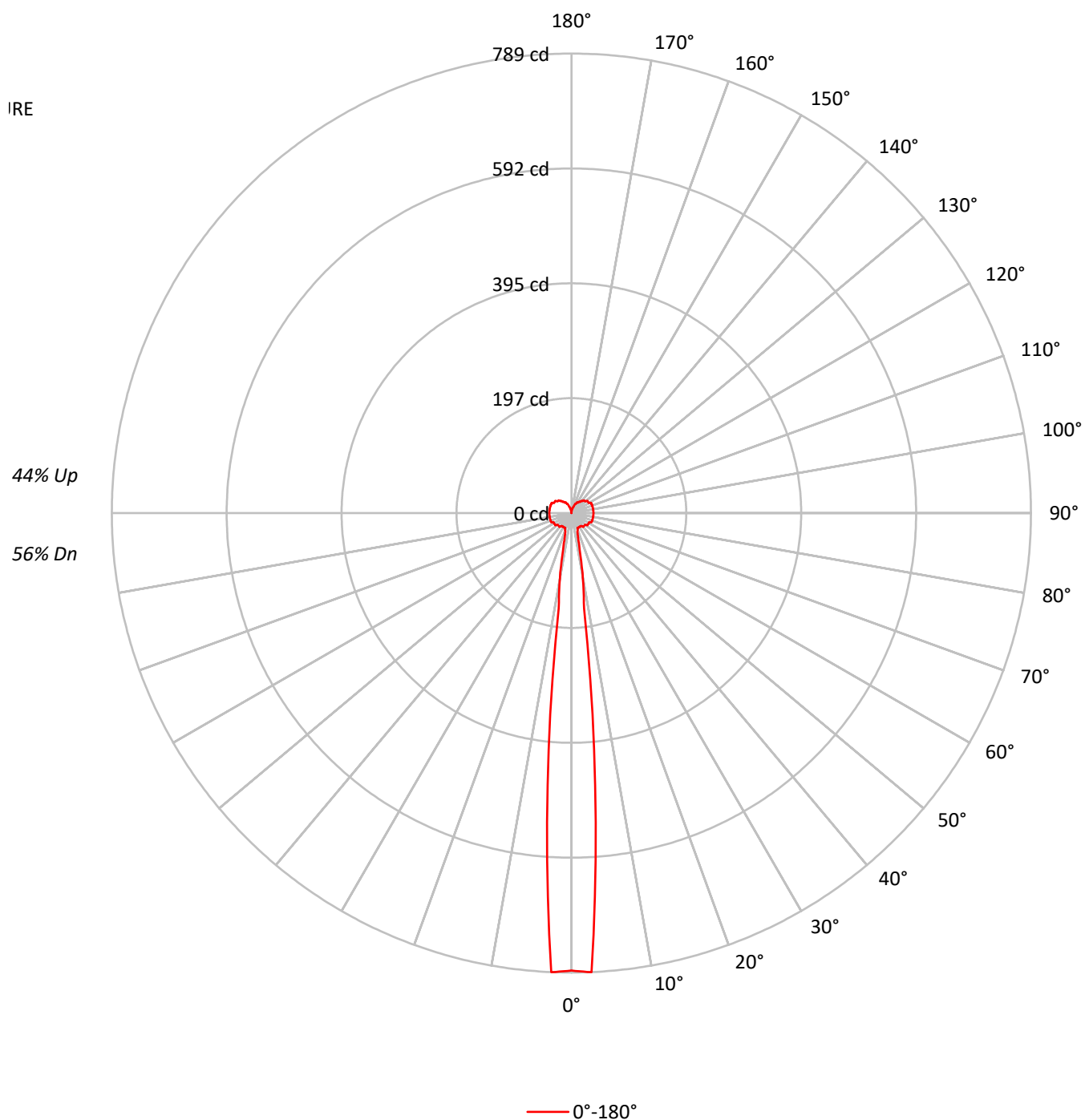
Lumens per Lamp: N/A
Luminaire Lumens: 447.1 lumens
Efficiency: N/A
Efficacy: 27.6 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

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	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	56		
1	95	89	83	78	88	82	77	73	70	66	63	58	55	53	48	46	44	38		
2	85	76	68	62	78	70	63	58	60	54	50	50	46	42	40	37	35	30		
3	77	66	58	51	71	61	54	47	52	46	41	43	39	35	35	32	29	25		
4	71	59	50	43	65	54	46	40	46	40	35	39	34	30	32	28	25	21		
5	65	52	43	37	60	49	41	35	42	35	30	35	30	26	29	25	22	18		
6	60	47	39	32	56	44	36	30	38	32	27	32	27	23	27	23	20	17		
7	56	43	35	29	52	40	33	27	35	29	24	30	25	21	25	21	18	15		
8	53	40	32	26	49	37	30	25	32	26	22	28	23	19	23	19	17	14		
9	49	37	29	24	46	34	27	22	30	24	20	26	21	18	22	18	15	13		
10	47	34	27	22	43	32	25	21	28	22	19	24	20	17	21	17	15	13		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	40260
5°	17649
10°	3405
15°	1121
20°	670
25°	529
30°	478
35°	440
40°	460
45°	434
50°	413
55°	442
60°	429
65°	461
70°	455
75°	452
80°	453
85°	457

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 464 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.3	7.0
10°-20°	14.3	3.2
20°-30°	12.9	2.9
30°-40°	17.6	3.9
40°-50°	24.0	5.4
50°-60°	30.6	6.8
60°-70°	36.4	8.1
70°-80°	40.1	9.0
80°-90°	41.4	9.2
90°-100°	41.4	9.2
100°-110°	40.1	9.0
110°-120°	37.2	8.3
120°-130°	30.6	6.8
130°-140°	23.1	5.2
140°-150°	14.7	3.3
150°-160°	8.5	1.9
160°-170°	2.8	0.6
170°-180°	0.3	0.1
0°-30°	58.5	13.1
0°-40°	76.2	17.0
0°-60°	130.7	29.2
0°-90°	248.6	55.6
90°-120°	118.7	26.5
90°-150°	187.0	41.8
90°-180°	199.0	44.5
0°-180°	447.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	786	
5°	469	31
15°	45	14
25°	28	13
35°	28	18
45°	31	24
55°	34	31
65°	38	36
75°	38	40
85°	38	31
90°	38	21
95°	38	31
105°	38	40
115°	38	37
125°	34	31
135°	31	23
145°	24	15
155°	17	8
165°	10	3
175°	0	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	785.6
2.5°	789.1
5°	468.6
7.5°	165.4
10°	113.7
12.5°	65.5
15°	44.8
17.5°	34.5
20°	31.0
22.5°	27.6
25°	27.6
27.5°	27.6
30°	27.6
32.5°	27.6
35°	27.6
37.5°	27.6
40°	31.0
42.5°	31.0
45°	31.0
47.5°	31.0
50°	31.0
52.5°	34.5
55°	34.5
57.5°	34.5
60°	34.5
62.5°	34.5
65°	37.9
67.5°	37.9
70°	37.9
72.5°	37.9
75°	37.9
77.5°	37.9
80°	37.9
82.5°	37.9
85°	37.9
87.5°	37.9
90°	37.9
92.5°	37.9
95°	37.9
97.5°	37.9
100°	37.9
102.5°	37.9
105°	37.9
107.5°	37.9
110°	37.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	37.9
115°	37.9
117.5°	37.9
120°	34.5
122.5°	34.5
125°	34.5
127.5°	34.5
130°	31.0
132.5°	31.0
135°	31.0
137.5°	27.6
140°	27.6
142.5°	24.1
145°	24.1
147.5°	20.7
150°	20.7
152.5°	20.7
155°	17.2
157.5°	17.2
160°	13.8
162.5°	10.3
165°	10.3
167.5°	6.9
170°	6.9
172.5°	3.4
175°	0.0
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	4.6	5.6	5.4	6.5	7.7	4.6	5.6	5.4	6.5	7.7
	3H	7.7	8.6	8.6	9.6	10.8	7.7	8.6	8.6	9.6	10.8
	4H	9.1	10.0	10.0	11.0	12.2	9.1	10.0	10.0	11.0	12.2
	6H	10.5	11.4	11.4	12.3	13.5	10.5	11.4	11.4	12.3	13.5
	8H	11.2	12.0	12.1	12.9	14.2	11.2	12.0	12.1	12.9	14.2
	12H	11.8	12.6	12.8	13.6	14.8	11.8	12.6	12.8	13.6	14.8
4H	2H	5.4	6.3	6.3	7.2	8.5	5.4	6.3	6.3	7.2	8.5
	3H	8.7	9.4	9.6	10.4	11.6	8.7	9.4	9.6	10.4	11.6
	4H	10.2	11.0	11.2	11.9	13.2	10.2	11.0	11.2	11.9	13.2
	6H	11.8	12.4	12.7	13.4	14.7	11.8	12.4	12.7	13.4	14.7
	8H	12.5	13.1	13.5	14.1	15.4	12.5	13.1	13.5	14.1	15.4
	12H	13.3	13.8	14.2	14.8	16.1	13.3	13.8	14.2	14.8	16.1
8H	4H	10.7	11.3	11.7	12.3	13.6	10.7	11.3	11.7	12.3	13.6
	6H	12.5	13.0	13.4	14.0	15.3	12.5	13.0	13.4	14.0	15.3
	8H	13.4	13.9	14.4	14.9	16.1	13.4	13.9	14.4	14.9	16.1
	12H	14.3	14.7	15.3	15.7	17.1	14.3	14.7	15.3	15.7	17.1
12H	4H	10.8	11.4	11.8	12.4	13.7	10.8	11.4	11.8	12.4	13.7
	6H	12.7	13.1	13.6	14.1	15.4	12.7	13.1	13.6	14.1	15.4
	8H	13.6	14.1	14.6	15.1	16.4	13.6	14.1	14.6	15.1	16.4

(END OF REPORT)