

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: P1245170

Luminaire Tested: PRLX-NIM-M-935-01L-U-WO

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245170
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-935-01L-U-WO
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, WOVEN OVAL SHADE TEXTU
LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

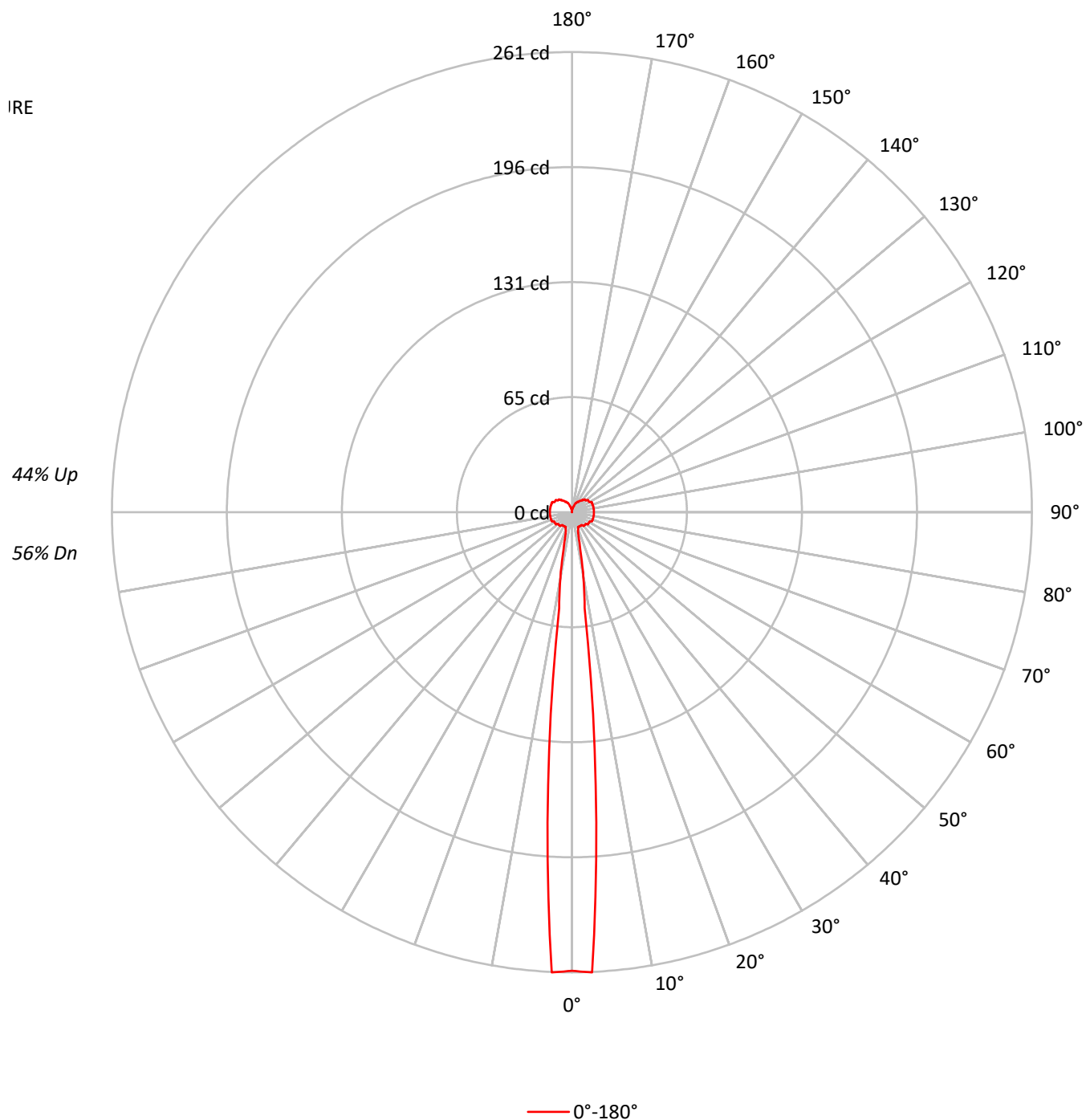
Lumens per Lamp: N/A
Luminaire Lumens: 147.7 lumens
Efficiency: N/A
Efficacy: 23.4 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 6.3
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	79	88	82	77	73	70	66	63	58	56	53	48	46	44	39		
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	44	37	60	49	41	35	42	35	30	35	30	26	29	25	22	19		
6	60	47	39	32	56	44	36	31	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	23	19	24	20	17	21	17	15	13		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	13329
5°	5845
10°	1126
15°	370
20°	223
25°	174
30°	158
35°	145
40°	153
45°	144
50°	137
55°	146
60°	142
65°	152
70°	150
75°	149
80°	149
85°	151

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 153 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.4	7.0
10°-20°	4.7	3.2
20°-30°	4.3	2.9
30°-40°	5.8	3.9
40°-50°	8.0	5.4
50°-60°	10.1	6.8
60°-70°	12.0	8.1
70°-80°	13.2	9.0
80°-90°	13.6	9.2
90°-100°	13.6	9.2
100°-110°	13.2	9.0
110°-120°	12.3	8.3
120°-130°	10.1	6.8
130°-140°	7.6	5.2
140°-150°	4.9	3.3
150°-160°	2.8	1.9
160°-170°	0.9	0.6
170°-180°	0.1	0.1
0°-30°	19.4	13.1
0°-40°	25.2	17.0
0°-60°	43.3	29.3
0°-90°	82.1	55.6
90°-120°	39.1	26.5
90°-150°	61.8	41.8
90°-180°	66.0	44.7
0°-180°	147.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	260	
5°	155	10
15°	15	5
25°	9	4
35°	9	6
45°	10	8
55°	11	10
65°	12	12
75°	12	13
85°	12	10
90°	12	7
95°	12	10
105°	12	13
115°	12	12
125°	11	10
135°	10	8
145°	8	5
155°	6	3
165°	3	1
175°	0	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	260.1
2.5°	261.3
5°	155.2
7.5°	54.8
10°	37.6
12.5°	21.7
15°	14.8
17.5°	11.4
20°	10.3
22.5°	9.1
25°	9.1
27.5°	9.1
30°	9.1
32.5°	9.1
35°	9.1
37.5°	9.1
40°	10.3
42.5°	10.3
45°	10.3
47.5°	10.3
50°	10.3
52.5°	11.4
55°	11.4
57.5°	11.4
60°	11.4
62.5°	11.4
65°	12.5
67.5°	12.5
70°	12.5
72.5°	12.5
75°	12.5
77.5°	12.5
80°	12.5
82.5°	12.5
85°	12.5
87.5°	12.5
90°	12.5
92.5°	12.5
95°	12.5
97.5°	12.5
100°	12.5
102.5°	12.5
105°	12.5
107.5°	12.5
110°	12.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	12.5
115°	12.5
117.5°	12.5
120°	11.4
122.5°	11.4
125°	11.4
127.5°	11.4
130°	10.3
132.5°	10.3
135°	10.3
137.5°	9.1
140°	9.1
142.5°	8.0
145°	8.0
147.5°	6.8
150°	6.8
152.5°	6.8
155°	5.7
157.5°	5.7
160°	4.6
162.5°	3.4
165°	3.4
167.5°	2.3
170°	2.3
172.5°	1.1
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	0.7	1.7	1.6	2.7	3.8	0.7	1.7	1.6	2.7	3.8
	3H	3.8	4.8	4.7	5.7	6.9	3.8	4.8	4.7	5.7	6.9
	4H	5.3	6.2	6.2	7.1	8.3	5.3	6.2	6.2	7.1	8.3
	6H	6.7	7.5	7.6	8.4	9.7	6.7	7.5	7.6	8.4	9.7
	8H	7.3	8.1	8.2	9.1	10.3	7.3	8.1	8.2	9.1	10.3
	12H	8.0	8.7	8.9	9.7	10.9	8.0	8.7	8.9	9.7	10.9
4H	2H	1.6	2.5	2.5	3.4	4.6	1.6	2.5	2.5	3.4	4.6
	3H	4.8	5.6	5.7	6.6	7.8	4.8	5.6	5.7	6.6	7.8
	4H	6.4	7.1	7.3	8.1	9.3	6.4	7.1	7.3	8.1	9.3
	6H	7.9	8.6	8.9	9.6	10.8	7.9	8.6	8.9	9.6	10.8
	8H	8.7	9.3	9.6	10.3	11.5	8.7	9.3	9.6	10.3	11.5
	12H	9.4	10.0	10.4	11.0	12.3	9.4	10.0	10.4	11.0	12.3
8H	4H	6.9	7.5	7.8	8.5	9.7	6.9	7.5	7.8	8.5	9.7
	6H	8.6	9.2	9.6	10.2	11.4	8.6	9.2	9.6	10.2	11.4
	8H	9.5	10.0	10.5	11.0	12.3	9.5	10.0	10.5	11.0	12.3
	12H	10.5	10.9	11.4	11.9	13.2	10.5	10.9	11.4	11.9	13.2
12H	4H	7.0	7.5	7.9	8.5	9.8	7.0	7.5	7.9	8.5	9.8
	6H	8.8	9.3	9.8	10.3	11.6	8.8	9.3	9.8	10.3	11.6
	8H	9.8	10.2	10.8	11.2	12.5	9.8	10.2	10.8	11.2	12.5

(END OF REPORT)