

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: P1245138

Luminaire Tested: PRLX-NIM-M-927-04L-U-WO

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245138
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-927-04L-U-WO
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, WOVEN OVAL SHADE TEXTU
LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

Summary

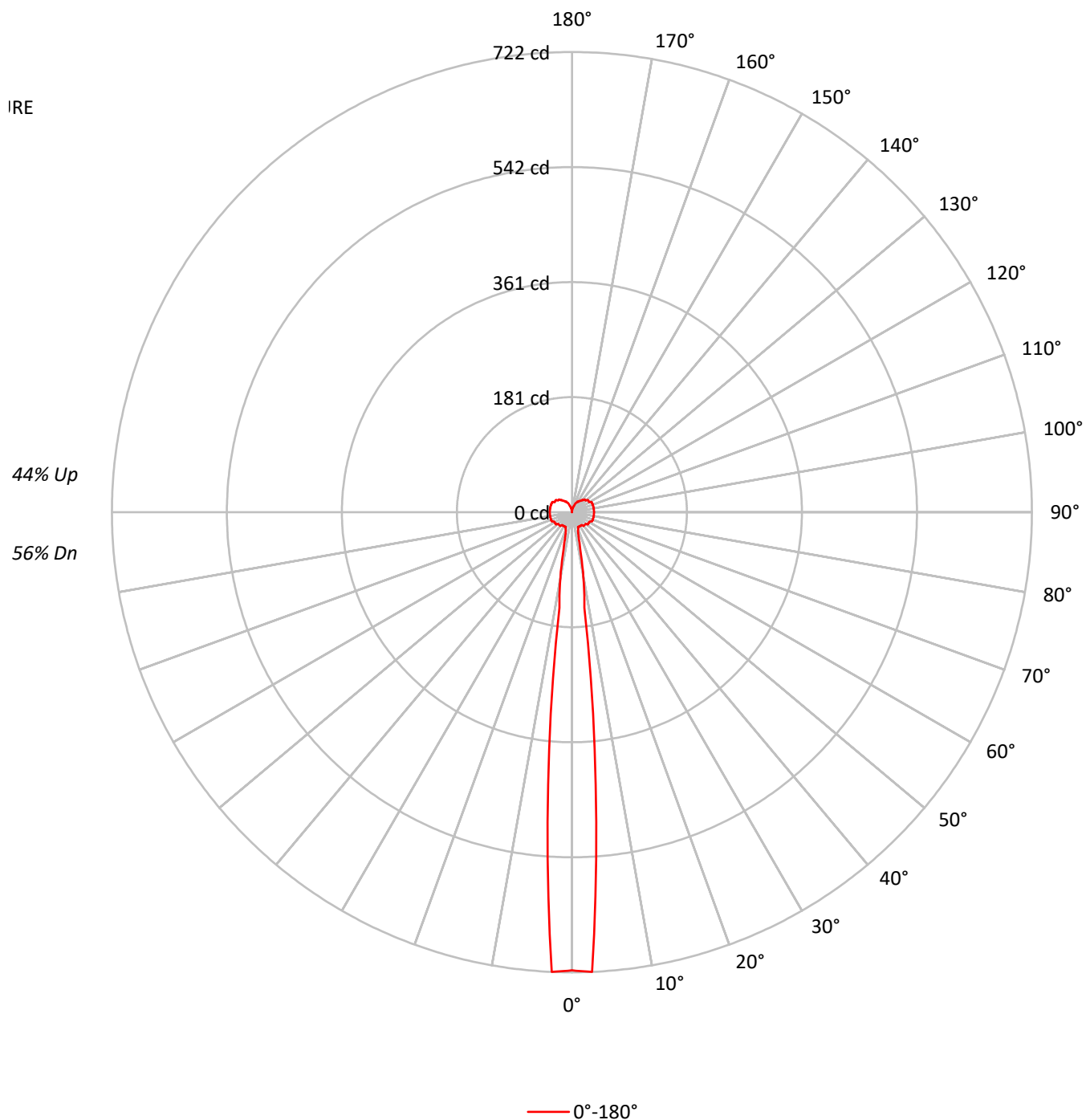
Lumens per Lamp: N/A
Luminaire Lumens: 409.1 lumens
Efficiency: N/A
Efficacy: 25.3 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

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	
RCR																						
0	108	108	108	108		101	101	101	101		86	86	86		73	73	73		61	61	61	
1	95	89	83	78		88	82	77	73		70	66	63		58	55	53		48	46	44	
2	85	76	68	62		78	70	63	58		60	54	50		50	46	42		40	37	35	
3	77	66	58	51		71	61	54	47		52	46	41		43	39	35		35	32	29	
4	71	59	50	43		65	54	46	40		46	40	35		39	34	30		32	28	25	
5	65	52	43	37		60	49	41	35		42	35	30		35	30	26		29	25	22	
6	60	47	39	32		56	44	36	30		38	32	27		32	27	23		27	23	20	
7	56	43	35	29		52	40	33	27		35	29	24		30	25	21		25	21	18	
8	53	40	32	26		49	37	30	25		32	26	22		28	23	19		23	19	16	
9	49	37	29	24		46	34	27	22		30	24	20		26	21	18		22	18	15	
10	47	34	27	22		43	32	25	21		28	22	19		24	20	17		21	17	15	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	36842
5°	16150
10°	3115
15°	1026
20°	614
25°	483
30°	437
35°	401
40°	421
45°	397
50°	378
55°	404
60°	392
65°	422
70°	416
75°	414
80°	414
85°	418

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 90°
Luminance: 425 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.6	7.0
10°-20°	13.1	3.2
20°-30°	11.8	2.9
30°-40°	16.1	3.9
40°-50°	22.0	5.4
50°-60°	27.9	6.8
60°-70°	33.3	8.1
70°-80°	36.7	9.0
80°-90°	37.9	9.3
90°-100°	37.9	9.3
100°-110°	36.7	9.0
110°-120°	34.1	8.3
120°-130°	27.9	6.8
130°-140°	21.1	5.2
140°-150°	13.5	3.3
150°-160°	7.8	1.9
160°-170°	2.6	0.6
170°-180°	0.2	0.1
0°-30°	53.5	13.1
0°-40°	69.6	17.0
0°-60°	119.5	29.2
0°-90°	227.4	55.6
90°-120°	108.6	26.6
90°-150°	171.1	41.8
90°-180°	182.0	44.5
0°-180°	409.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	719	
5°	429	29
15°	41	13
25°	25	12
35°	25	16
45°	28	22
55°	32	28
65°	35	33
75°	35	37
85°	35	28
90°	35	19
95°	35	28
105°	35	37
115°	35	34
125°	32	28
135°	28	21
145°	22	13
155°	16	8
165°	10	3
175°	0	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	718.9
2.5°	722.0
5°	428.8
7.5°	151.3
10°	104.0
12.5°	59.9
15°	41.0
17.5°	31.5
20°	28.4
22.5°	25.2
25°	25.2
27.5°	25.2
30°	25.2
32.5°	25.2
35°	25.2
37.5°	25.2
40°	28.4
42.5°	28.4
45°	28.4
47.5°	28.4
50°	28.4
52.5°	31.5
55°	31.5
57.5°	31.5
60°	31.5
62.5°	31.5
65°	34.7
67.5°	34.7
70°	34.7
72.5°	34.7
75°	34.7
77.5°	34.7
80°	34.7
82.5°	34.7
85°	34.7
87.5°	34.7
90°	34.7
92.5°	34.7
95°	34.7
97.5°	34.7
100°	34.7
102.5°	34.7
105°	34.7
107.5°	34.7
110°	34.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	34.7
115°	34.7
117.5°	34.7
120°	31.5
122.5°	31.5
125°	31.5
127.5°	31.5
130°	28.4
132.5°	28.4
135°	28.4
137.5°	25.2
140°	25.2
142.5°	22.1
145°	22.1
147.5°	18.9
150°	18.9
152.5°	18.9
155°	15.8
157.5°	15.8
160°	12.6
162.5°	9.5
165°	9.5
167.5°	6.3
170°	6.3
172.5°	3.2
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	4.2	5.3	5.1	6.2	7.4	4.2	5.3	5.1	6.2	7.4
	3H	7.4	8.3	8.3	9.3	10.5	7.4	8.3	8.3	9.3	10.5
	4H	8.8	9.7	9.7	10.6	11.9	8.8	9.7	9.7	10.6	11.9
	6H	10.2	11.1	11.1	12.0	13.2	10.2	11.1	11.1	12.0	13.2
	8H	10.9	11.7	11.8	12.6	13.9	10.9	11.7	11.8	12.6	13.9
	12H	11.5	12.3	12.5	13.2	14.5	11.5	12.3	12.5	13.2	14.5
4H	2H	5.1	6.0	6.0	6.9	8.1	5.1	6.0	6.0	6.9	8.1
	3H	8.3	9.1	9.3	10.1	11.3	8.3	9.1	9.3	10.1	11.3
	4H	9.9	10.6	10.8	11.6	12.9	9.9	10.6	10.8	11.6	12.9
	6H	11.5	12.1	12.4	13.1	14.3	11.5	12.1	12.4	13.1	14.3
	8H	12.2	12.8	13.2	13.8	15.1	12.2	12.8	13.2	13.8	15.1
	12H	13.0	13.5	13.9	14.5	15.8	13.0	13.5	13.9	14.5	15.8
8H	4H	10.4	11.0	11.4	12.0	13.3	10.4	11.0	11.4	12.0	13.3
	6H	12.2	12.7	13.1	13.7	15.0	12.2	12.7	13.1	13.7	15.0
	8H	13.1	13.6	14.1	14.6	15.8	13.1	13.6	14.1	14.6	15.8
	12H	14.0	14.4	15.0	15.4	16.8	14.0	14.4	15.0	15.4	16.8
12H	4H	10.5	11.1	11.5	12.1	13.4	10.5	11.1	11.5	12.1	13.4
	6H	12.4	12.8	13.3	13.8	15.1	12.4	12.8	13.3	13.8	15.1
	8H	13.3	13.8	14.3	14.8	16.1	13.3	13.8	14.3	14.8	16.1

(END OF REPORT)