

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: P1245390

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245390
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UNA-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: -

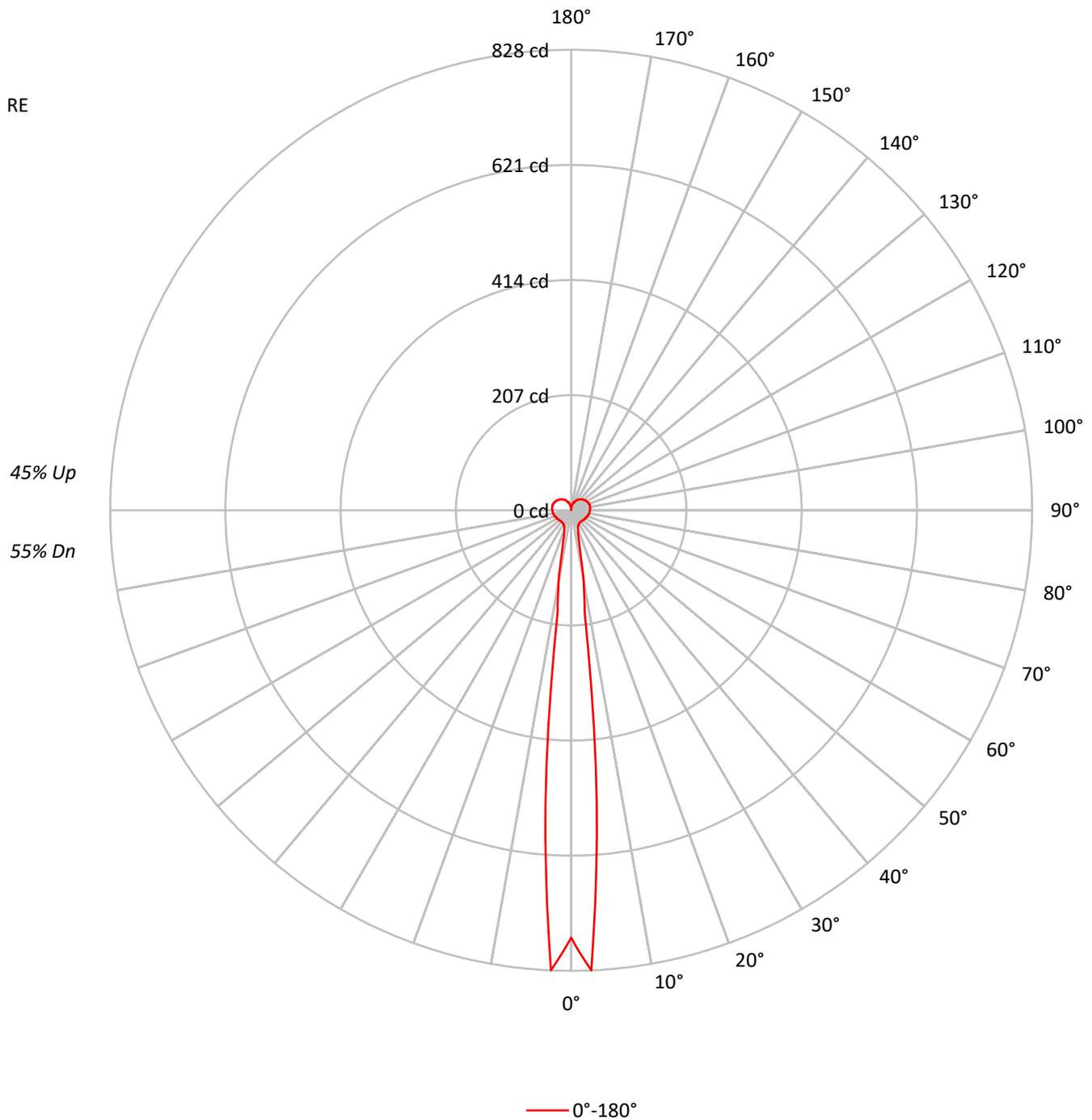
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 412.0 lumens
Efficiency: N/A
Efficacy: 25.4 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	0
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	55
1	95	90	84	79	88	83	78	74	70	67	64	59	56	54	48	46	45	39
2	86	77	70	63	79	71	65	59	61	56	51	51	47	43	42	39	36	31
3	78	68	59	53	72	63	55	49	53	48	43	45	40	36	37	33	30	26
4	72	60	51	45	66	56	48	42	48	42	37	40	35	32	33	30	27	23
5	67	54	45	39	61	50	43	37	43	37	32	37	32	28	31	27	24	21
6	62	49	41	34	57	46	38	33	40	33	29	34	29	25	28	25	22	19
7	58	45	37	31	53	42	35	29	37	31	26	31	27	23	27	23	20	17
8	54	41	34	28	50	39	32	27	34	28	24	29	25	21	25	21	19	16
9	51	38	31	26	47	36	29	25	32	26	22	28	23	20	24	20	17	15
10	48	36	29	24	45	34	27	23	30	24	21	26	22	19	23	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	39384
5°	19935
10°	3828
15°	1283
20°	768
25°	586
30°	484
35°	435
40°	398
45°	382
50°	372
55°	364
60°	367
65°	365
70°	373
75°	384
80°	392
85°	401

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 415 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.1	8.3
10°-20°	16.4	4.0
20°-30°	14.2	3.4
30°-40°	17.1	4.1
40°-50°	21.1	5.1
50°-60°	25.6	6.2
60°-70°	29.9	7.3
70°-80°	33.9	8.2
80°-90°	36.3	8.8
90°-100°	37.3	9.1
100°-110°	36.3	8.8
110°-120°	33.0	8.0
120°-130°	27.8	6.7
130°-140°	21.5	5.2
140°-150°	14.8	3.6
150°-160°	8.6	2.1
160°-170°	3.7	0.9
170°-180°	0.5	0.1
0°-30°	64.7	15.7
0°-40°	81.7	19.8
0°-60°	128.4	31.2
0°-90°	228.5	55.5
90°-120°	106.7	25.9
90°-150°	170.7	41.4
90°-180°	184.0	44.7
0°-180°	412.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	768	
5°	529	34
15°	51	16
25°	31	14
35°	27	17
45°	27	21
55°	28	26
65°	30	30
75°	32	34
85°	33	27
90°	34	18
95°	34	28
105°	34	36
115°	33	33
125°	31	28
135°	28	21
145°	24	15
155°	19	9
165°	13	4
175°	4	1
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	768.5
2.5°	828.1
5°	529.3
7.5°	184.6
10°	127.8
12.5°	73.2
15°	51.3
17.5°	41.5
20°	35.5
22.5°	32.2
25°	30.6
27.5°	28.9
30°	27.9
32.5°	27.3
35°	27.3
37.5°	26.8
40°	26.8
42.5°	26.8
45°	27.3
47.5°	27.3
50°	27.9
52.5°	27.9
55°	28.4
57.5°	28.9
60°	29.5
62.5°	29.5
65°	30.0
67.5°	30.6
70°	31.1
72.5°	31.7
75°	32.2
77.5°	32.2
80°	32.8
82.5°	33.3
85°	33.3
87.5°	33.3
90°	33.9
92.5°	33.9
95°	34.4
97.5°	34.4
100°	34.4
102.5°	34.4
105°	34.4
107.5°	34.4
110°	33.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	33.9
115°	33.3
117.5°	32.8
120°	32.2
122.5°	31.7
125°	31.1
127.5°	30.0
130°	29.5
132.5°	28.4
135°	27.9
137.5°	26.8
140°	25.7
142.5°	24.6
145°	23.5
147.5°	22.4
150°	21.3
152.5°	19.7
155°	18.6
157.5°	16.9
160°	15.8
162.5°	14.2
165°	12.6
167.5°	10.9
170°	9.3
172.5°	6.6
175°	3.8
177.5°	1.6
180°	0.5



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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	3.6	4.6	4.5	5.6	6.8	3.6	4.6	4.5	5.6	6.8
	3H	6.6	7.6	7.5	8.5	9.7	6.6	7.6	7.5	8.5	9.7
	4H	8.1	9.0	9.1	10.0	11.2	8.1	9.0	9.1	10.0	11.2
	6H	9.6	10.4	10.5	11.4	12.6	9.6	10.4	10.5	11.4	12.6
	8H	10.3	11.1	11.3	12.1	13.3	10.3	11.1	11.3	12.1	13.3
	12H	11.0	11.8	12.0	12.7	14.0	11.0	11.8	12.0	12.7	14.0
4H	2H	4.4	5.3	5.3	6.2	7.4	4.4	5.3	5.3	6.2	7.4
	3H	7.6	8.4	8.5	9.3	10.6	7.6	8.4	8.5	9.3	10.6
	4H	9.2	10.0	10.2	10.9	12.2	9.2	10.0	10.2	10.9	12.2
	6H	10.9	11.5	11.8	12.5	13.7	10.9	11.5	11.8	12.5	13.7
	8H	11.7	12.3	12.6	13.3	14.5	11.7	12.3	12.6	13.3	14.5
	12H	12.5	13.0	13.5	14.0	15.3	12.5	13.0	13.5	14.0	15.3
8H	4H	9.8	10.4	10.7	11.3	12.6	9.8	10.4	10.7	11.3	12.6
	6H	11.6	12.1	12.6	13.1	14.4	11.6	12.1	12.6	13.1	14.4
	8H	12.6	13.0	13.6	14.0	15.3	12.6	13.0	13.6	14.0	15.3
	12H	13.5	14.0	14.5	15.0	16.3	13.5	14.0	14.5	15.0	16.3
12H	4H	9.9	10.4	10.9	11.4	12.7	9.9	10.4	10.9	11.4	12.7
	6H	11.8	12.3	12.8	13.3	14.6	11.8	12.3	12.8	13.3	14.6
	8H	12.8	13.3	13.8	14.3	15.6	12.8	13.3	13.8	14.3	15.6

(END OF REPORT)