

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: P1245405

Luminaire Tested: PRLX-UNA-M-930-04L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245405
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-930-04L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, OPEN WEAVE SHADE TEXTU
LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

Summary

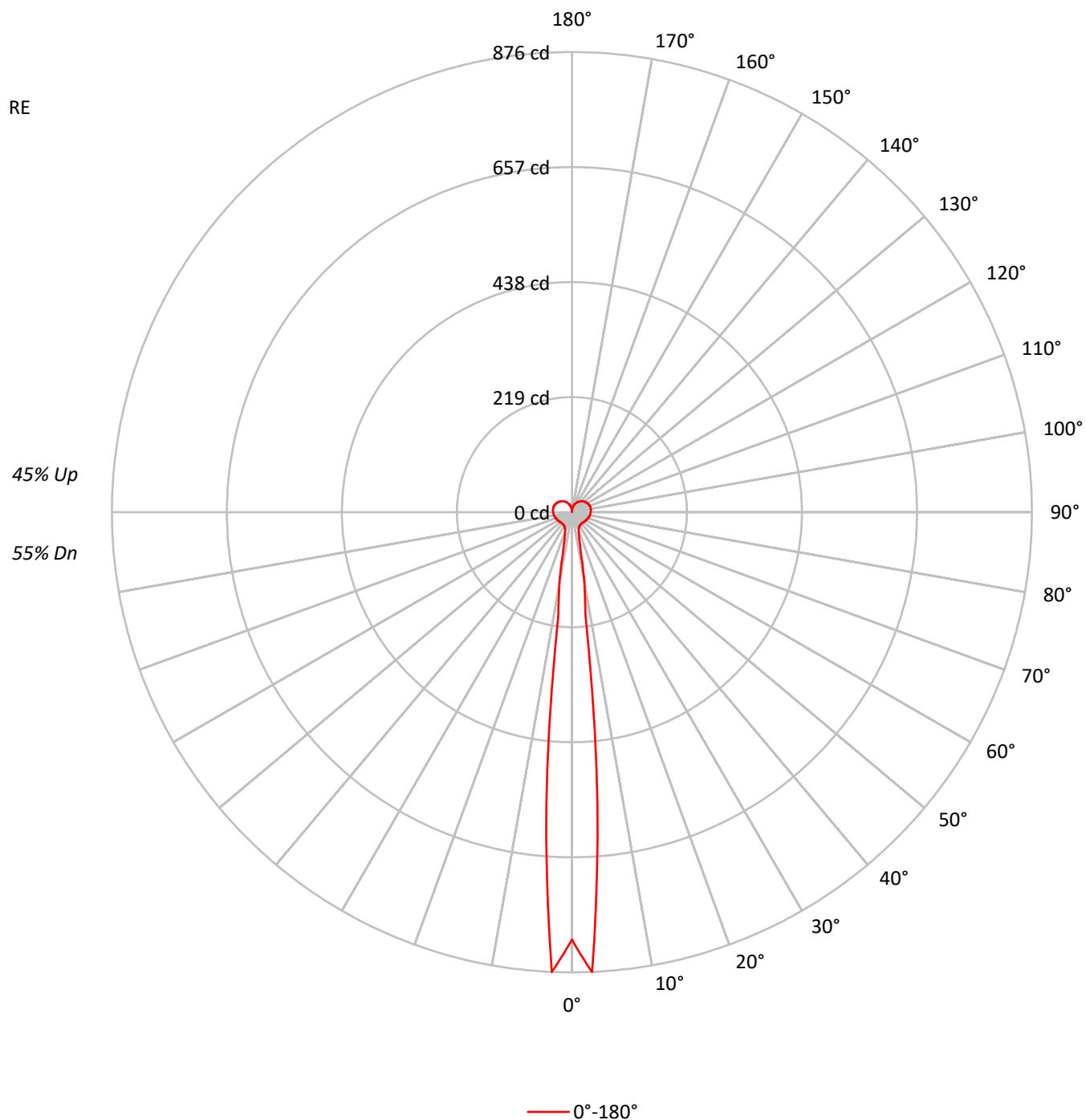
Lumens per Lamp: N/A
Luminaire Lumens: 436.0 lumens
Efficiency: N/A
Efficacy: 26.9 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

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°	41679
5°	21095
10°	4052
15°	1359
20°	813
25°	621
30°	511
35°	460
40°	420
45°	404
50°	393
55°	386
60°	388
65°	387
70°	395
75°	407
80°	414
85°	425

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 439 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.1	8.3
10°-20°	17.3	4.0
20°-30°	15.0	3.4
30°-40°	18.0	4.1
40°-50°	22.3	5.1
50°-60°	27.1	6.2
60°-70°	31.6	7.3
70°-80°	35.8	8.2
80°-90°	38.5	8.8
90°-100°	39.5	9.1
100°-110°	38.4	8.8
110°-120°	34.9	8.0
120°-130°	29.4	6.7
130°-140°	22.7	5.2
140°-150°	15.7	3.6
150°-160°	9.1	2.1
160°-170°	3.9	0.9
170°-180°	0.6	0.1
0°-30°	68.5	15.7
0°-40°	86.5	19.8
0°-60°	135.8	31.2
0°-90°	241.8	55.5
90°-120°	112.8	25.9
90°-150°	180.6	41.4
90°-180°	194.0	44.5
0°-180°	436.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	813	
5°	560	36
15°	54	17
25°	32	15
35°	29	18
45°	29	22
55°	30	27
65°	32	32
75°	34	36
85°	35	29
90°	36	20
95°	36	30
105°	36	38
115°	35	35
125°	33	29
135°	30	23
145°	25	16
155°	20	9
165°	13	4
175°	4	1
180°	1	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	813.3
2.5°	876.3
5°	560.1
7.5°	195.4
10°	135.3
12.5°	77.5
15°	54.3
17.5°	43.9
20°	37.6
22.5°	34.1
25°	32.4
27.5°	30.6
30°	29.5
32.5°	28.9
35°	28.9
37.5°	28.3
40°	28.3
42.5°	28.3
45°	28.9
47.5°	28.9
50°	29.5
52.5°	29.5
55°	30.1
57.5°	30.6
60°	31.2
62.5°	31.2
65°	31.8
67.5°	32.4
70°	32.9
72.5°	33.5
75°	34.1
77.5°	34.1
80°	34.7
82.5°	35.3
85°	35.3
87.5°	35.3
90°	35.8
92.5°	35.8
95°	36.4
97.5°	36.4
100°	36.4
102.5°	36.4
105°	36.4
107.5°	36.4
110°	35.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	35.8
115°	35.3
117.5°	34.7
120°	34.1
122.5°	33.5
125°	32.9
127.5°	31.8
130°	31.2
132.5°	30.1
135°	29.5
137.5°	28.3
140°	27.2
142.5°	26.0
145°	24.9
147.5°	23.7
150°	22.5
152.5°	20.8
155°	19.7
157.5°	17.9
160°	16.8
162.5°	15.0
165°	13.3
167.5°	11.6
170°	9.8
172.5°	6.9
175°	4.0
177.5°	1.7
180°	0.6

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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	3.8	4.8	4.7	5.8	7.0	3.8	4.8	4.7	5.8	7.0
	3H	6.8	7.8	7.7	8.7	9.9	6.8	7.8	7.7	8.7	9.9
	4H	8.3	9.2	9.3	10.2	11.4	8.3	9.2	9.3	10.2	11.4
	6H	9.8	10.6	10.7	11.6	12.8	9.8	10.6	10.7	11.6	12.8
	8H	10.5	11.3	11.5	12.3	13.5	10.5	11.3	11.5	12.3	13.5
	12H	11.2	12.0	12.2	12.9	14.2	11.2	12.0	12.2	12.9	14.2
4H	2H	4.6	5.5	5.5	6.4	7.6	4.6	5.5	5.5	6.4	7.6
	3H	7.8	8.6	8.7	9.5	10.8	7.8	8.6	8.7	9.5	10.8
	4H	9.4	10.2	10.4	11.1	12.4	9.4	10.2	10.4	11.1	12.4
	6H	11.1	11.7	12.0	12.7	13.9	11.1	11.7	12.0	12.7	13.9
	8H	11.9	12.5	12.8	13.5	14.7	11.9	12.5	12.8	13.5	14.7
	12H	12.7	13.2	13.7	14.2	15.5	12.7	13.2	13.7	14.2	15.5
8H	4H	10.0	10.6	10.9	11.5	12.8	10.0	10.6	10.9	11.5	12.8
	6H	11.8	12.3	12.8	13.3	14.6	11.8	12.3	12.8	13.3	14.6
	8H	12.8	13.2	13.8	14.2	15.5	12.8	13.2	13.8	14.2	15.5
	12H	13.8	14.2	14.7	15.2	16.5	13.8	14.2	14.7	15.2	16.5
12H	4H	10.1	10.6	11.1	11.6	12.9	10.1	10.6	11.1	11.6	12.9
	6H	12.0	12.5	13.0	13.5	14.8	12.0	12.5	13.0	13.5	14.8
	8H	13.0	13.5	14.0	14.5	15.8	13.0	13.5	14.0	14.5	15.8

(END OF REPORT)