

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: P1245429

Luminaire Tested: PRLX-UNA-M-940-01L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245429
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-940-01L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, OPEN WEAVE SHADE TEXTU
LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

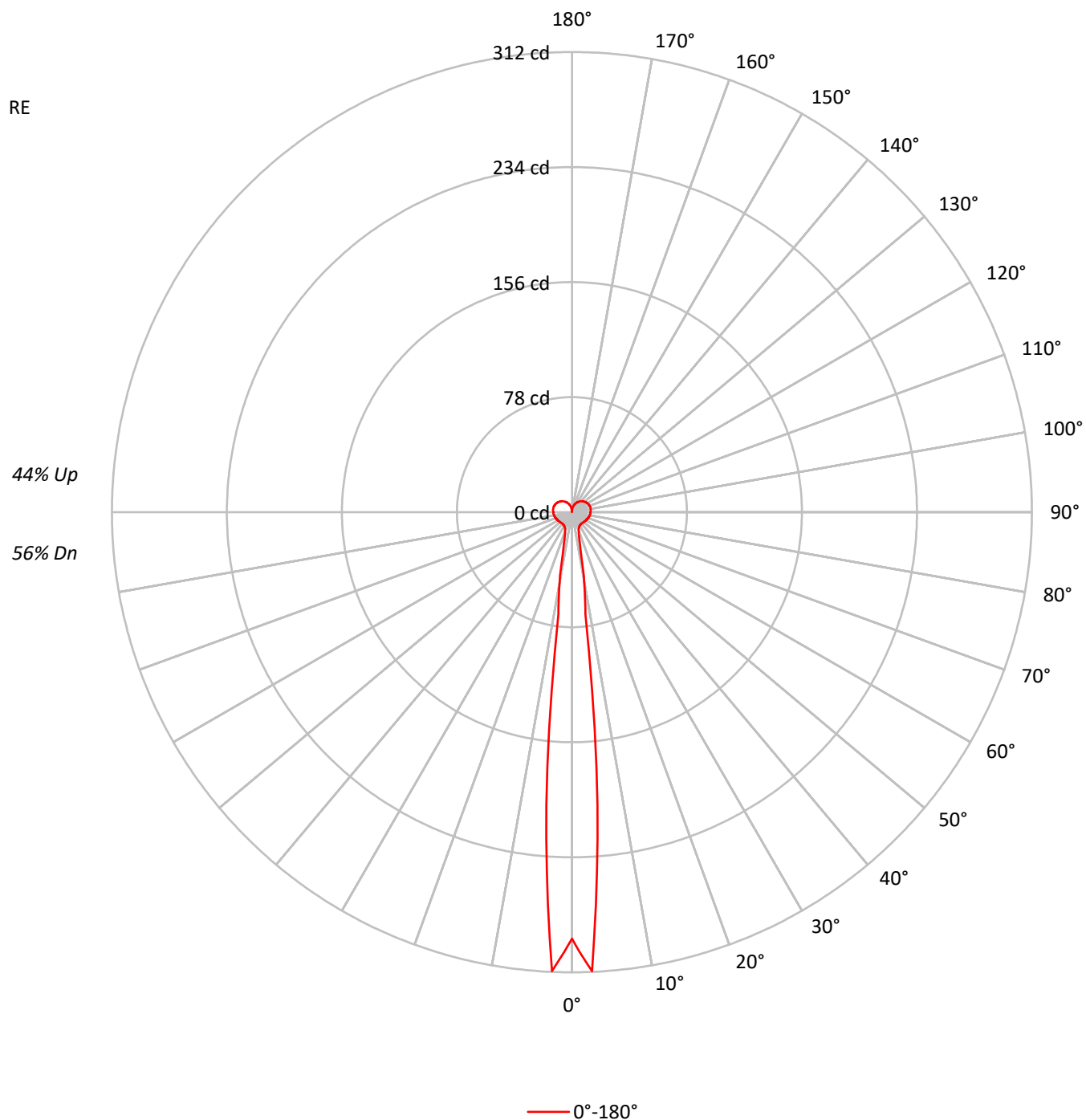
Lumens per Lamp: N/A
Luminaire Lumens: 154.8 lumens
Efficiency: N/A
Efficacy: 24.6 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 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	
RCR																						
0	108	108	108	108		101	101	101	101		86	86	86		73	73	73		61	61	61	
1	95	90	84	80		88	83	78	74		70	67	64		59	56	54		48	46	45	
2	86	77	70	63		79	71	65	59		61	56	51		51	47	43		42	39	36	
3	79	68	59	53		72	63	55	49		53	48	43		45	40	37		37	33	30	
4	72	60	51	45		66	56	48	42		48	42	37		40	35	32		33	30	27	
5	67	54	45	39		61	50	43	37		43	37	32		37	32	28		31	27	24	
6	62	49	41	34		57	46	38	33		40	33	29		34	29	25		28	25	22	
7	58	45	37	31		53	42	35	29		37	31	26		31	27	23		27	23	20	
8	54	41	34	28		50	39	32	27		34	28	24		29	25	21		25	21	19	
9	51	38	31	26		47	36	29	25		32	26	22		28	23	20		24	20	17	
10	48	36	29	24		45	34	27	23		30	24	21		26	22	19		23	19	17	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	14816
5°	7499
10°	1441
15°	483
20°	290
25°	220
30°	182
35°	164
40°	150
45°	144
50°	140
55°	137
60°	138
65°	137
70°	140
75°	144
80°	147
85°	151

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 90°
Luminance: 156 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.8	8.3
10°-20°	6.2	4.0
20°-30°	5.3	3.4
30°-40°	6.4	4.2
40°-50°	7.9	5.1
50°-60°	9.6	6.2
60°-70°	11.2	7.3
70°-80°	12.7	8.2
80°-90°	13.6	8.8
90°-100°	14.0	9.0
100°-110°	13.6	8.8
110°-120°	12.4	8.0
120°-130°	10.4	6.7
130°-140°	8.1	5.2
140°-150°	5.6	3.6
150°-160°	3.2	2.1
160°-170°	1.4	0.9
170°-180°	0.2	0.1
0°-30°	24.3	15.7
0°-40°	30.8	19.9
0°-60°	48.3	31.2
0°-90°	85.9	55.5
90°-120°	40.0	25.8
90°-150°	64.1	41.4
90°-180°	69.0	44.6
0°-180°	154.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	289	
5°	199	13
15°	19	6
25°	12	5
35°	10	6
45°	10	8
55°	11	10
65°	11	11
75°	12	13
85°	12	10
90°	13	7
95°	13	11
105°	13	14
115°	12	12
125°	12	10
135°	10	8
145°	9	6
155°	7	3
165°	5	1
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	289.1
2.5°	311.5
5°	199.1
7.5°	69.5
10°	48.1
12.5°	27.5
15°	19.3
17.5°	15.6
20°	13.4
22.5°	12.1
25°	11.5
27.5°	10.9
30°	10.5
32.5°	10.3
35°	10.3
37.5°	10.1
40°	10.1
42.5°	10.1
45°	10.3
47.5°	10.3
50°	10.5
52.5°	10.5
55°	10.7
57.5°	10.9
60°	11.1
62.5°	11.1
65°	11.3
67.5°	11.5
70°	11.7
72.5°	11.9
75°	12.1
77.5°	12.1
80°	12.3
82.5°	12.5
85°	12.5
87.5°	12.5
90°	12.7
92.5°	12.7
95°	12.9
97.5°	12.9
100°	12.9
102.5°	12.9
105°	12.9
107.5°	12.9
110°	12.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	12.7
115°	12.5
117.5°	12.3
120°	12.1
122.5°	11.9
125°	11.7
127.5°	11.3
130°	11.1
132.5°	10.7
135°	10.5
137.5°	10.1
140°	9.7
142.5°	9.2
145°	8.8
147.5°	8.4
150°	8.0
152.5°	7.4
155°	7.0
157.5°	6.4
160°	6.0
162.5°	5.3
165°	4.7
167.5°	4.1
170°	3.5
172.5°	2.5
175°	1.4
177.5°	0.6
180°	0.2

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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	0.3	1.3	1.2	2.2	3.4	0.3	1.3	1.2	2.2	3.4
	3H	3.3	4.2	4.2	5.1	6.3	3.3	4.2	4.2	5.1	6.3
	4H	4.7	5.6	5.7	6.6	7.8	4.7	5.6	5.7	6.6	7.8
	6H	6.2	7.0	7.1	8.0	9.2	6.2	7.0	7.1	8.0	9.2
	8H	6.9	7.7	7.9	8.7	9.9	6.9	7.7	7.9	8.7	9.9
	12H	7.6	8.4	8.6	9.3	10.6	7.6	8.4	8.6	9.3	10.6
4H	2H	1.0	1.9	1.9	2.8	4.0	1.0	1.9	1.9	2.8	4.0
	3H	4.2	5.0	5.1	5.9	7.2	4.2	5.0	5.1	5.9	7.2
	4H	5.8	6.6	6.8	7.5	8.8	5.8	6.6	6.8	7.5	8.8
	6H	7.5	8.1	8.4	9.1	10.3	7.5	8.1	8.4	9.1	10.3
	8H	8.3	8.9	9.2	9.9	11.1	8.3	8.9	9.2	9.9	11.1
	12H	9.1	9.6	10.1	10.6	11.9	9.1	9.6	10.1	10.6	11.9
8H	4H	6.4	7.0	7.3	7.9	9.2	6.4	7.0	7.3	7.9	9.2
	6H	8.2	8.7	9.2	9.7	11.0	8.2	8.7	9.2	9.7	11.0
	8H	9.2	9.6	10.2	10.6	11.9	9.2	9.6	10.2	10.6	11.9
	12H	10.1	10.6	11.1	11.6	12.9	10.1	10.6	11.1	11.6	12.9
12H	4H	6.5	7.0	7.5	8.0	9.3	6.5	7.0	7.5	8.0	9.3
	6H	8.4	8.9	9.4	9.9	11.2	8.4	8.9	9.4	9.9	11.2
	8H	9.4	9.9	10.4	10.9	12.2	9.4	9.9	10.4	10.9	12.2

(END OF REPORT)