

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: P1245398

Luminaire Tested: PRLX-UNA-M-930-01L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245398
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-930-01L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, NATURAL LINES SHADE TEXT LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

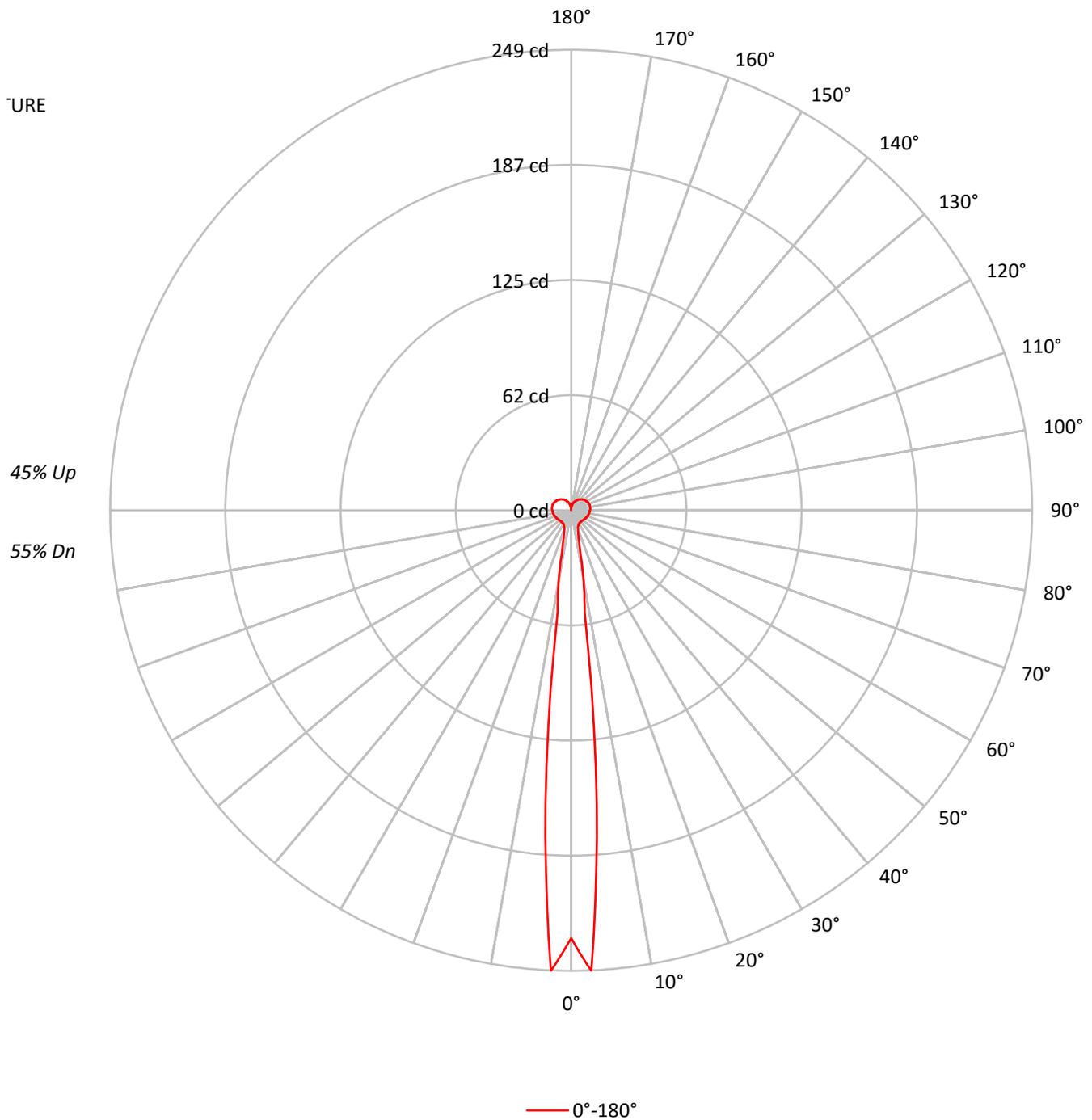
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 124.1 lumens
Efficiency: N/A
Efficacy: 19.7 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 (A_{in}): 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	30	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°	11853
5°	6000
10°	1153
15°	388
20°	231
25°	176
30°	146
35°	131
40°	120
45°	115
50°	112
55°	109
60°	111
65°	109
70°	113
75°	116
80°	118
85°	120

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 125 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.3	8.3
10°-20°	4.9	4.0
20°-30°	4.3	3.4
30°-40°	5.1	4.1
40°-50°	6.3	5.1
50°-60°	7.7	6.2
60°-70°	9.0	7.3
70°-80°	10.2	8.2
80°-90°	10.9	8.8
90°-100°	11.3	9.1
100°-110°	11.0	8.8
110°-120°	9.9	8.0
120°-130°	8.4	6.7
130°-140°	6.5	5.2
140°-150°	4.5	3.6
150°-160°	2.6	2.1
160°-170°	1.1	0.9
170°-180°	0.2	0.1
0°-30°	19.5	15.7
0°-40°	24.6	19.8
0°-60°	38.6	31.1
0°-90°	68.8	55.4
90°-120°	32.2	25.9
90°-150°	51.4	41.5
90°-180°	55.0	44.3
0°-180°	124.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	231	
5°	159	10
15°	16	5
25°	9	4
35°	8	5
45°	8	6
55°	8	8
65°	9	9
75°	10	10
85°	10	8
90°	10	6
95°	10	8
105°	10	11
115°	10	10
125°	9	8
135°	8	6
145°	7	4
155°	6	3
165°	4	1
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	231.3
2.5°	249.2
5°	159.3
7.5°	55.6
10°	38.5
12.5°	22.0
15°	15.5
17.5°	12.5
20°	10.7
22.5°	9.7
25°	9.2
27.5°	8.7
30°	8.4
32.5°	8.2
35°	8.2
37.5°	8.1
40°	8.1
42.5°	8.1
45°	8.2
47.5°	8.2
50°	8.4
52.5°	8.4
55°	8.5
57.5°	8.7
60°	8.9
62.5°	8.9
65°	9.0
67.5°	9.2
70°	9.4
72.5°	9.5
75°	9.7
77.5°	9.7
80°	9.9
82.5°	10.0
85°	10.0
87.5°	10.0
90°	10.2
92.5°	10.2
95°	10.4
97.5°	10.4
100°	10.4
102.5°	10.4
105°	10.4
107.5°	10.4
110°	10.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	10.2
115°	10.0
117.5°	9.9
120°	9.7
122.5°	9.5
125°	9.4
127.5°	9.0
130°	8.9
132.5°	8.5
135°	8.4
137.5°	8.1
140°	7.7
142.5°	7.4
145°	7.1
147.5°	6.7
150°	6.4
152.5°	5.9
155°	5.6
157.5°	5.1
160°	4.8
162.5°	4.3
165°	3.8
167.5°	3.3
170°	2.8
172.5°	2.0
175°	1.2
177.5°	0.5
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	0.0	0.5	0.4	1.4	2.6	0.0	0.5	0.4	1.4	2.6
	3H	2.5	3.4	3.4	4.3	5.5	2.5	3.4	3.4	4.3	5.5
	4H	4.0	4.8	4.9	5.8	7.0	4.0	4.8	4.9	5.8	7.0
	6H	5.4	6.3	6.4	7.2	8.4	5.4	6.3	6.4	7.2	8.4
	8H	6.2	6.9	7.1	7.9	9.1	6.2	6.9	7.1	7.9	9.1
	12H	6.8	7.6	7.8	8.6	9.8	6.8	7.6	7.8	8.6	9.8
4H	2H	0.2	1.1	1.1	2.0	3.2	0.2	1.1	1.1	2.0	3.2
	3H	3.4	4.2	4.4	5.2	6.4	3.4	4.2	4.4	5.2	6.4
	4H	5.1	5.8	6.0	6.7	8.0	5.1	5.8	6.0	6.7	8.0
	6H	6.7	7.3	7.7	8.3	9.6	6.7	7.3	7.7	8.3	9.6
	8H	7.5	8.1	8.5	9.1	10.4	7.5	8.1	8.5	9.1	10.4
	12H	8.3	8.9	9.3	9.9	11.1	8.3	8.9	9.3	9.9	11.1
8H	4H	5.6	6.2	6.5	7.2	8.4	5.6	6.2	6.5	7.2	8.4
	6H	7.4	8.0	8.4	9.0	10.2	7.4	8.0	8.4	9.0	10.2
	8H	8.4	8.9	9.4	9.9	11.1	8.4	8.9	9.4	9.9	11.1
	12H	9.4	9.8	10.4	10.8	12.1	9.4	9.8	10.4	10.8	12.1
12H	4H	5.7	6.3	6.7	7.3	8.5	5.7	6.3	6.7	7.3	8.5
	6H	7.6	8.1	8.6	9.1	10.4	7.6	8.1	8.6	9.1	10.4
	8H	8.7	9.1	9.7	10.1	11.4	8.7	9.1	9.7	10.1	11.4

(END OF REPORT)