

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: P1245413

Luminaire Tested: PRLX-UNA-M-935-01L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245413
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-935-01L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, NATURAL LINES SHADE TEXT LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

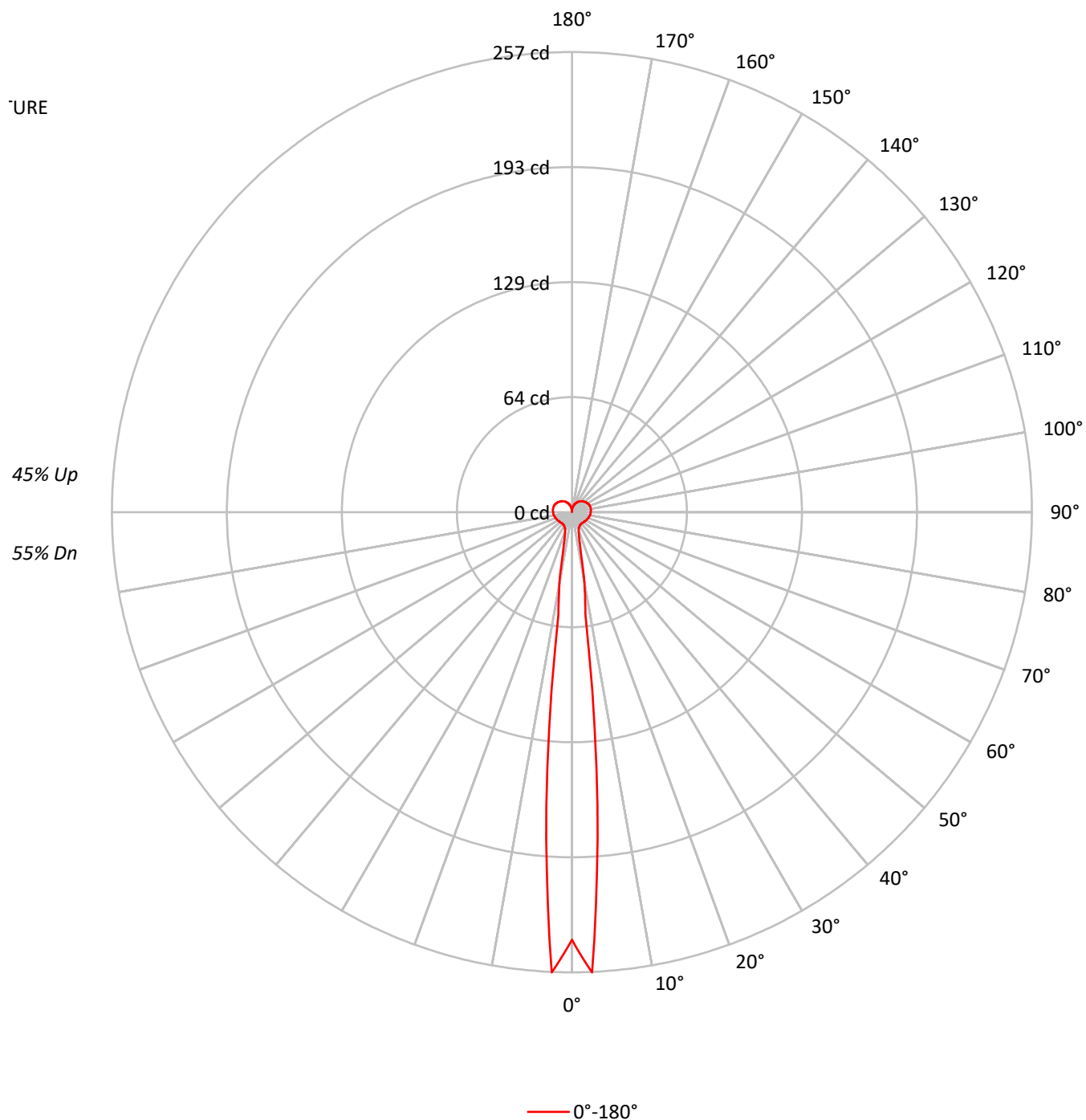
Lumens per Lamp: N/A
Luminaire Lumens: 128.1 lumens
Efficiency: N/A
Efficacy: 20.3 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

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	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°	12238
5°	6192
10°	1189
15°	400
20°	238
25°	182
30°	151
35°	135
40°	123
45°	119
50°	116
55°	113
60°	114
65°	113
70°	116
75°	119
80°	122
85°	125

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 129 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.6	8.3
10°-20°	5.1	4.0
20°-30°	4.4	3.4
30°-40°	5.3	4.1
40°-50°	6.5	5.1
50°-60°	8.0	6.2
60°-70°	9.3	7.3
70°-80°	10.5	8.2
80°-90°	11.3	8.8
90°-100°	11.6	9.1
100°-110°	11.3	8.8
110°-120°	10.3	8.0
120°-130°	8.6	6.7
130°-140°	6.7	5.2
140°-150°	4.6	3.6
150°-160°	2.7	2.1
160°-170°	1.1	0.9
170°-180°	0.2	0.1
0°-30°	20.1	15.7
0°-40°	25.4	19.8
0°-60°	39.9	31.2
0°-90°	71.0	55.5
90°-120°	33.2	25.9
90°-150°	53.0	41.4
90°-180°	57.0	44.5
0°-180°	128.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	239	
5°	164	11
15°	16	5
25°	10	4
35°	8	5
45°	8	7
55°	9	8
65°	9	9
75°	10	11
85°	10	8
90°	10	6
95°	11	9
105°	11	11
115°	10	10
125°	10	9
135°	9	7
145°	7	5
155°	6	3
165°	4	1
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	238.8
2.5°	257.3
5°	164.4
7.5°	57.4
10°	39.7
12.5°	22.7
15°	16.0
17.5°	12.9
20°	11.0
22.5°	10.0
25°	9.5
27.5°	9.0
30°	8.7
32.5°	8.5
35°	8.5
37.5°	8.3
40°	8.3
42.5°	8.3
45°	8.5
47.5°	8.5
50°	8.7
52.5°	8.7
55°	8.8
57.5°	9.0
60°	9.2
62.5°	9.2
65°	9.3
67.5°	9.5
70°	9.7
72.5°	9.8
75°	10.0
77.5°	10.0
80°	10.2
82.5°	10.4
85°	10.4
87.5°	10.4
90°	10.5
92.5°	10.5
95°	10.7
97.5°	10.7
100°	10.7
102.5°	10.7
105°	10.7
107.5°	10.7
110°	10.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	10.5
115°	10.4
117.5°	10.2
120°	10.0
122.5°	9.8
125°	9.7
127.5°	9.3
130°	9.2
132.5°	8.8
135°	8.7
137.5°	8.3
140°	8.0
142.5°	7.6
145°	7.3
147.5°	7.0
150°	6.6
152.5°	6.1
155°	5.8
157.5°	5.3
160°	4.9
162.5°	4.4
165°	3.9
167.5°	3.4
170°	2.9
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	0.6	0.5	1.5	2.7	0.0	0.6	0.5	1.5	2.7
	3H	2.6	3.5	3.5	4.4	5.7	2.6	3.5	3.5	4.4	5.7
	4H	4.1	5.0	5.0	5.9	7.1	4.1	5.0	5.0	5.9	7.1
	6H	5.6	6.4	6.5	7.3	8.5	5.6	6.4	6.5	7.3	8.5
	8H	6.3	7.1	7.2	8.0	9.2	6.3	7.1	7.2	8.0	9.2
	12H	7.0	7.7	7.9	8.7	9.9	7.0	7.7	7.9	8.7	9.9
4H	2H	0.3	1.2	1.3	2.2	3.4	0.3	1.2	1.3	2.2	3.4
	3H	3.5	4.3	4.5	5.3	6.5	3.5	4.3	4.5	5.3	6.5
	4H	5.2	5.9	6.1	6.9	8.1	5.2	5.9	6.1	6.9	8.1
	6H	6.8	7.4	7.8	8.4	9.7	6.8	7.4	7.8	8.4	9.7
	8H	7.6	8.2	8.6	9.2	10.5	7.6	8.2	8.6	9.2	10.5
	12H	8.4	9.0	9.4	10.0	11.3	8.4	9.0	9.4	10.0	11.3
8H	4H	5.7	6.3	6.7	7.3	8.5	5.7	6.3	6.7	7.3	8.5
	6H	7.5	8.1	8.5	9.1	10.3	7.5	8.1	8.5	9.1	10.3
	8H	8.5	9.0	9.5	10.0	11.3	8.5	9.0	9.5	10.0	11.3
	12H	9.5	9.9	10.5	10.9	12.2	9.5	9.9	10.5	10.9	12.2
12H	4H	5.8	6.4	6.8	7.4	8.6	5.8	6.4	6.8	7.4	8.6
	6H	7.7	8.2	8.7	9.2	10.5	7.7	8.2	8.7	9.2	10.5
	8H	8.8	9.2	9.8	10.2	11.5	8.8	9.2	9.8	10.2	11.5

(END OF REPORT)