

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: P1245128

Luminaire Tested: PRLX-NIM-M-927-01L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245128
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-NIM-M-927-01L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, NATURAL LINES SHADE TEXT LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

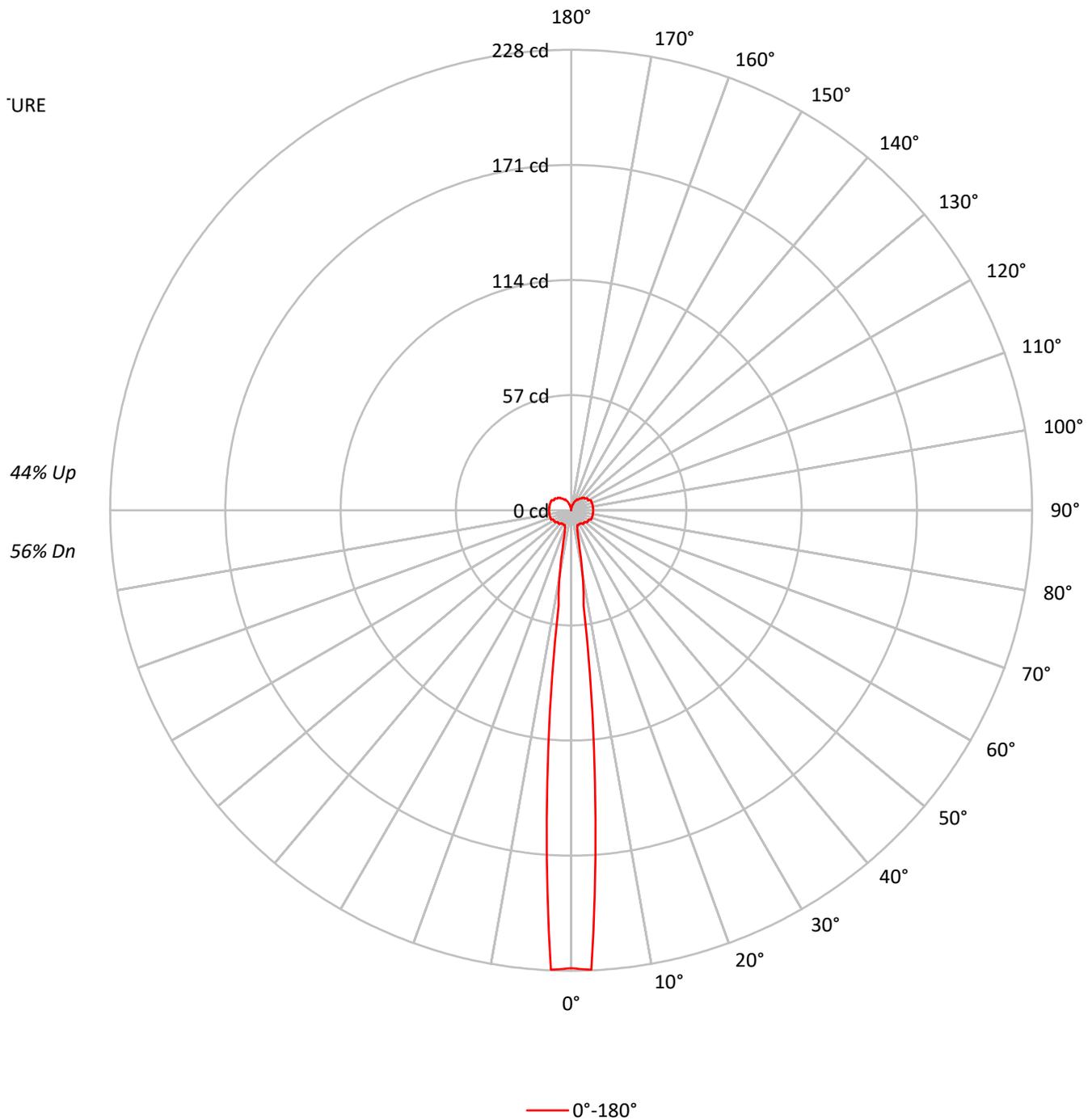
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 128.7 lumens
Efficiency: N/A
Efficacy: 20.4 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 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	56
1	95	89	83	78	88	82	77	73	70	66	63	58	55	53	48	46	44	38
2	85	76	68	62	78	70	63	58	60	54	50	50	46	42	40	37	35	30
3	77	66	58	51	71	61	54	47	52	46	41	43	39	35	35	32	29	25
4	71	59	50	43	65	54	46	40	46	40	35	39	34	30	32	28	25	21
5	65	52	44	37	60	49	41	35	42	35	30	35	30	26	29	25	22	19
6	60	47	39	32	56	44	36	31	38	32	27	32	27	23	27	23	20	17
7	56	43	35	29	52	40	33	27	35	29	24	30	25	21	25	21	18	15
8	53	40	32	26	49	37	30	25	32	26	22	28	23	19	23	19	17	14
9	49	37	29	24	46	34	27	23	30	24	20	26	21	18	22	18	15	13
10	47	34	27	22	43	32	25	21	28	23	19	24	20	17	21	17	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	11618
5°	5092
10°	982
15°	323
20°	192
25°	153
30°	139
35°	127
40°	132
45°	124
50°	119
55°	127
60°	123
65°	133
70°	131
75°	130
80°	130
85°	131

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 134 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.0	7.0
10°-20°	4.1	3.2
20°-30°	3.7	2.9
30°-40°	5.1	4.0
40°-50°	6.9	5.4
50°-60°	8.8	6.8
60°-70°	10.5	8.1
70°-80°	11.5	9.0
80°-90°	11.9	9.2
90°-100°	11.9	9.2
100°-110°	11.5	9.0
110°-120°	10.7	8.3
120°-130°	8.8	6.8
130°-140°	6.6	5.2
140°-150°	4.3	3.3
150°-160°	2.5	1.9
160°-170°	0.8	0.6
170°-180°	0.1	0.1
0°-30°	16.9	13.1
0°-40°	22.0	17.1
0°-60°	37.7	29.3
0°-90°	71.5	55.6
90°-120°	34.1	26.5
90°-150°	53.8	41.8
90°-180°	57.0	44.3
0°-180°	128.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	227	
5°	135	9
15°	13	4
25°	8	4
35°	8	5
45°	9	7
55°	10	9
65°	11	10
75°	11	12
85°	11	9
90°	11	6
95°	11	9
105°	11	12
115°	11	11
125°	10	9
135°	9	7
145°	7	4
155°	5	2
165°	3	1
175°	0	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	226.7
2.5°	227.7
5°	135.2
7.5°	47.7
10°	32.8
12.5°	18.9
15°	12.9
17.5°	9.9
20°	8.9
22.5°	8.0
25°	8.0
27.5°	8.0
30°	8.0
32.5°	8.0
35°	8.0
37.5°	8.0
40°	8.9
42.5°	8.9
45°	8.9
47.5°	8.9
50°	8.9
52.5°	9.9
55°	9.9
57.5°	9.9
60°	9.9
62.5°	9.9
65°	10.9
67.5°	10.9
70°	10.9
72.5°	10.9
75°	10.9
77.5°	10.9
80°	10.9
82.5°	10.9
85°	10.9
87.5°	10.9
90°	10.9
92.5°	10.9
95°	10.9
97.5°	10.9
100°	10.9
102.5°	10.9
105°	10.9
107.5°	10.9
110°	10.9



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	10.9
115°	10.9
117.5°	10.9
120°	9.9
122.5°	9.9
125°	9.9
127.5°	9.9
130°	8.9
132.5°	8.9
135°	8.9
137.5°	8.0
140°	8.0
142.5°	7.0
145°	7.0
147.5°	6.0
150°	6.0
152.5°	6.0
155°	5.0
157.5°	5.0
160°	4.0
162.5°	3.0
165°	3.0
167.5°	2.0
170°	2.0
172.5°	1.0
175°	0.0
177.5°	0.0
180°	0.0



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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	0.2	1.2	1.1	2.2	3.3	0.2	1.2	1.1	2.2	3.3
	3H	3.4	4.3	4.2	5.2	6.4	3.4	4.3	4.2	5.2	6.4
	4H	4.8	5.7	5.7	6.6	7.8	4.8	5.7	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	6.8	7.7	7.8	8.6	9.8	6.8	7.7	7.8	8.6	9.8
	12H	7.5	8.3	8.4	9.2	10.5	7.5	8.3	8.4	9.2	10.5
4H	2H	1.1	2.0	2.0	2.9	4.1	1.1	2.0	2.0	2.9	4.1
	3H	4.3	5.1	5.2	6.1	7.3	4.3	5.1	5.2	6.1	7.3
	4H	5.9	6.6	6.8	7.6	8.8	5.9	6.6	6.8	7.6	8.8
	6H	7.4	8.1	8.4	9.1	10.3	7.4	8.1	8.4	9.1	10.3
	8H	8.2	8.8	9.1	9.8	11.1	8.2	8.8	9.1	9.8	11.1
	12H	8.9	9.5	9.9	10.5	11.8	8.9	9.5	9.9	10.5	11.8
8H	4H	6.4	7.0	7.3	8.0	9.2	6.4	7.0	7.3	8.0	9.2
	6H	8.1	8.7	9.1	9.7	11.0	8.1	8.7	9.1	9.7	11.0
	8H	9.1	9.5	10.0	10.5	11.8	9.1	9.5	10.0	10.5	11.8
	12H	10.0	10.4	11.0	11.4	12.7	10.0	10.4	11.0	11.4	12.7
12H	4H	6.5	7.1	7.5	8.1	9.3	6.5	7.1	7.5	8.1	9.3
	6H	8.3	8.8	9.3	9.8	11.1	8.3	8.8	9.3	9.8	11.1
	8H	9.3	9.7	10.3	10.7	12.1	9.3	9.7	10.3	10.7	12.1

(END OF REPORT)