

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: P1245127

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245127
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-LF
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, LAYERED FINE SHADE TEXTU
LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

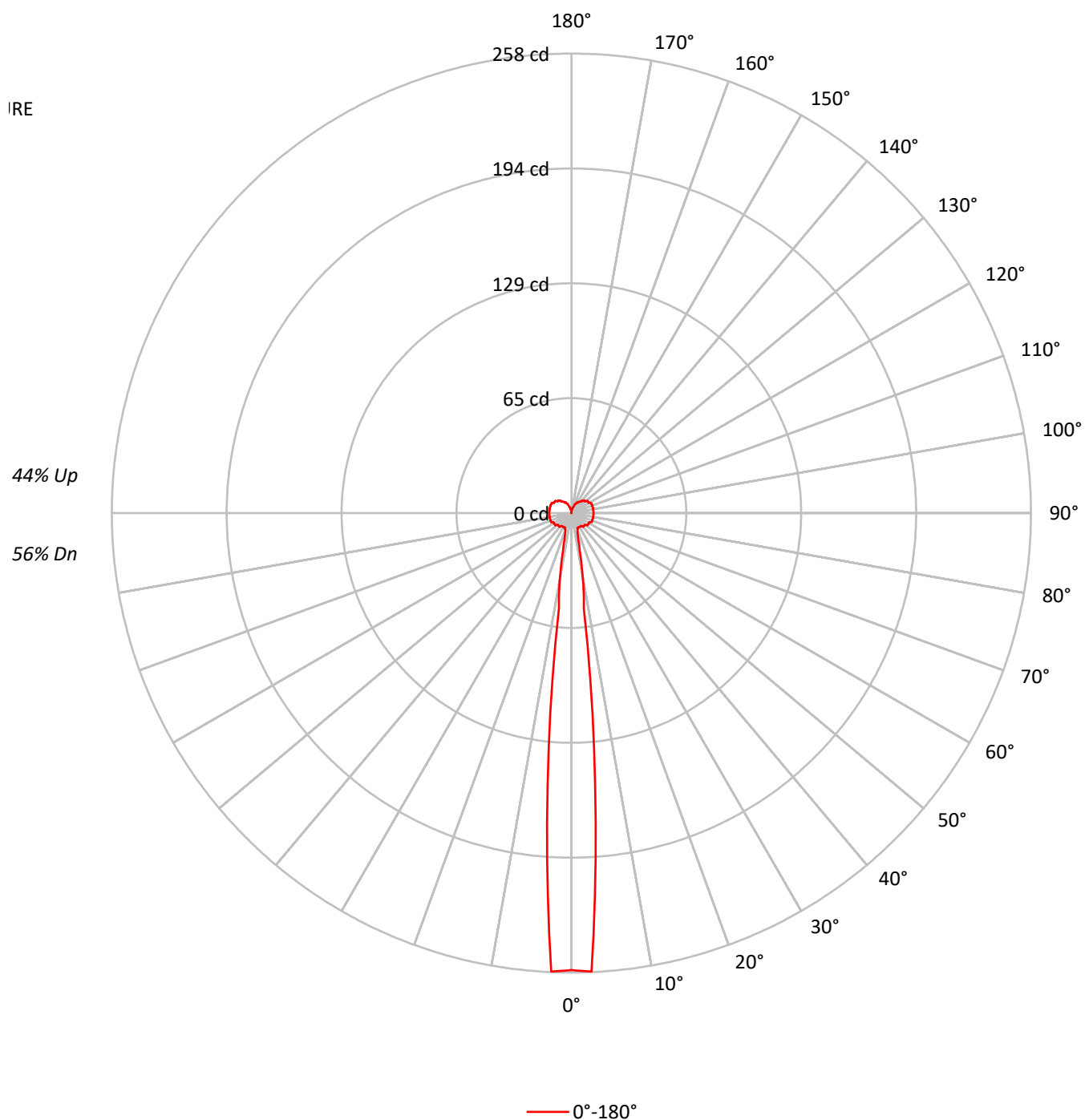
Lumens per Lamp: N/A
Luminaire Lumens: 146.2 lumens
Efficiency: N/A
Efficacy: 23.2 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 6.3
Input Voltage (V): NR
Input Current (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	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	59	54	50	50	45	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	43	37	60	49	41	35	42	35	30	35	30	26	29	25	22	18			
6	60	47	39	32	56	44	36	30	38	31	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	16	14			
9	49	37	29	24	46	34	27	22	30	24	20	26	21	18	22	18	15	13			
10	46	34	27	22	43	32	25	21	28	22	19	24	20	17	21	17	14	13			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	13150
5°	5766
10°	1111
15°	365
20°	218
25°	172
30°	156
35°	143
40°	150
45°	141
50°	135
55°	145
60°	140
65°	151
70°	149
75°	148
80°	148
85°	149

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 152 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.2	7.0
10°-20°	4.7	3.2
20°-30°	4.2	2.9
30°-40°	5.7	3.9
40°-50°	7.8	5.4
50°-60°	10.0	6.8
60°-70°	11.9	8.1
70°-80°	13.1	9.0
80°-90°	13.5	9.3
90°-100°	13.5	9.3
100°-110°	13.1	9.0
110°-120°	12.2	8.3
120°-130°	10.0	6.8
130°-140°	7.5	5.1
140°-150°	4.8	3.3
150°-160°	2.8	1.9
160°-170°	0.9	0.6
170°-180°	0.1	0.1
0°-30°	19.1	13.1
0°-40°	24.9	17.0
0°-60°	42.7	29.2
0°-90°	81.2	55.6
90°-120°	38.8	26.6
90°-150°	61.2	41.8
90°-180°	65.0	44.5
0°-180°	146.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	257	
5°	153	10
15°	15	5
25°	9	4
35°	9	6
45°	10	8
55°	11	10
65°	12	12
75°	12	13
85°	12	10
90°	12	7
95°	12	10
105°	12	13
115°	12	12
125°	11	10
135°	10	8
145°	8	5
155°	6	3
165°	3	1
175°	0	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	256.6
2.5°	257.7
5°	153.1
7.5°	54.0
10°	37.1
12.5°	21.4
15°	14.6
17.5°	11.3
20°	10.1
22.5°	9.0
25°	9.0
27.5°	9.0
30°	9.0
32.5°	9.0
35°	9.0
37.5°	9.0
40°	10.1
42.5°	10.1
45°	10.1
47.5°	10.1
50°	10.1
52.5°	11.3
55°	11.3
57.5°	11.3
60°	11.3
62.5°	11.3
65°	12.4
67.5°	12.4
70°	12.4
72.5°	12.4
75°	12.4
77.5°	12.4
80°	12.4
82.5°	12.4
85°	12.4
87.5°	12.4
90°	12.4
92.5°	12.4
95°	12.4
97.5°	12.4
100°	12.4
102.5°	12.4
105°	12.4
107.5°	12.4
110°	12.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	12.4
115°	12.4
117.5°	12.4
120°	11.3
122.5°	11.3
125°	11.3
127.5°	11.3
130°	10.1
132.5°	10.1
135°	10.1
137.5°	9.0
140°	9.0
142.5°	7.9
145°	7.9
147.5°	6.8
150°	6.8
152.5°	6.8
155°	5.6
157.5°	5.6
160°	4.5
162.5°	3.4
165°	3.4
167.5°	2.3
170°	2.3
172.5°	1.1
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	0.7	1.7	1.6	2.6	3.8	0.7	1.7	1.6	2.6	3.8
	3H	3.8	4.8	4.7	5.7	6.9	3.8	4.8	4.7	5.7	6.9
	4H	5.2	6.1	6.1	7.1	8.3	5.2	6.1	6.1	7.1	8.3
	6H	6.6	7.5	7.6	8.4	9.6	6.6	7.5	7.6	8.4	9.6
	8H	7.3	8.1	8.2	9.1	10.3	7.3	8.1	8.2	9.1	10.3
	12H	7.9	8.7	8.9	9.7	10.9	7.9	8.7	8.9	9.7	10.9
4H	2H	1.5	2.4	2.4	3.4	4.6	1.5	2.4	2.4	3.4	4.6
	3H	4.8	5.6	5.7	6.5	7.8	4.8	5.6	5.7	6.5	7.8
	4H	6.3	7.1	7.3	8.0	9.3	6.3	7.1	7.3	8.0	9.3
	6H	7.9	8.6	8.8	9.5	10.8	7.9	8.6	8.8	9.5	10.8
	8H	8.7	9.3	9.6	10.2	11.5	8.7	9.3	9.6	10.2	11.5
	12H	9.4	10.0	10.4	11.0	12.2	9.4	10.0	10.4	11.0	12.2
8H	4H	6.8	7.5	7.8	8.4	9.7	6.8	7.5	7.8	8.4	9.7
	6H	8.6	9.1	9.6	10.1	11.4	8.6	9.1	9.6	10.1	11.4
	8H	9.5	10.0	10.5	11.0	12.3	9.5	10.0	10.5	11.0	12.3
	12H	10.4	10.9	11.4	11.9	13.2	10.4	10.9	11.4	11.9	13.2
12H	4H	7.0	7.5	7.9	8.5	9.8	7.0	7.5	7.9	8.5	9.8
	6H	8.8	9.3	9.8	10.3	11.6	8.8	9.3	9.8	10.3	11.6
	8H	9.8	10.2	10.7	11.2	12.5	9.8	10.2	10.7	11.2	12.5

(END OF REPORT)