

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: P1245146

Luminaire Tested: PRLX-NIM-M-927-07L-U-WO

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245146
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-927-07L-U-WO
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, WOVEN OVAL SHADE TEXTU
LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

Summary

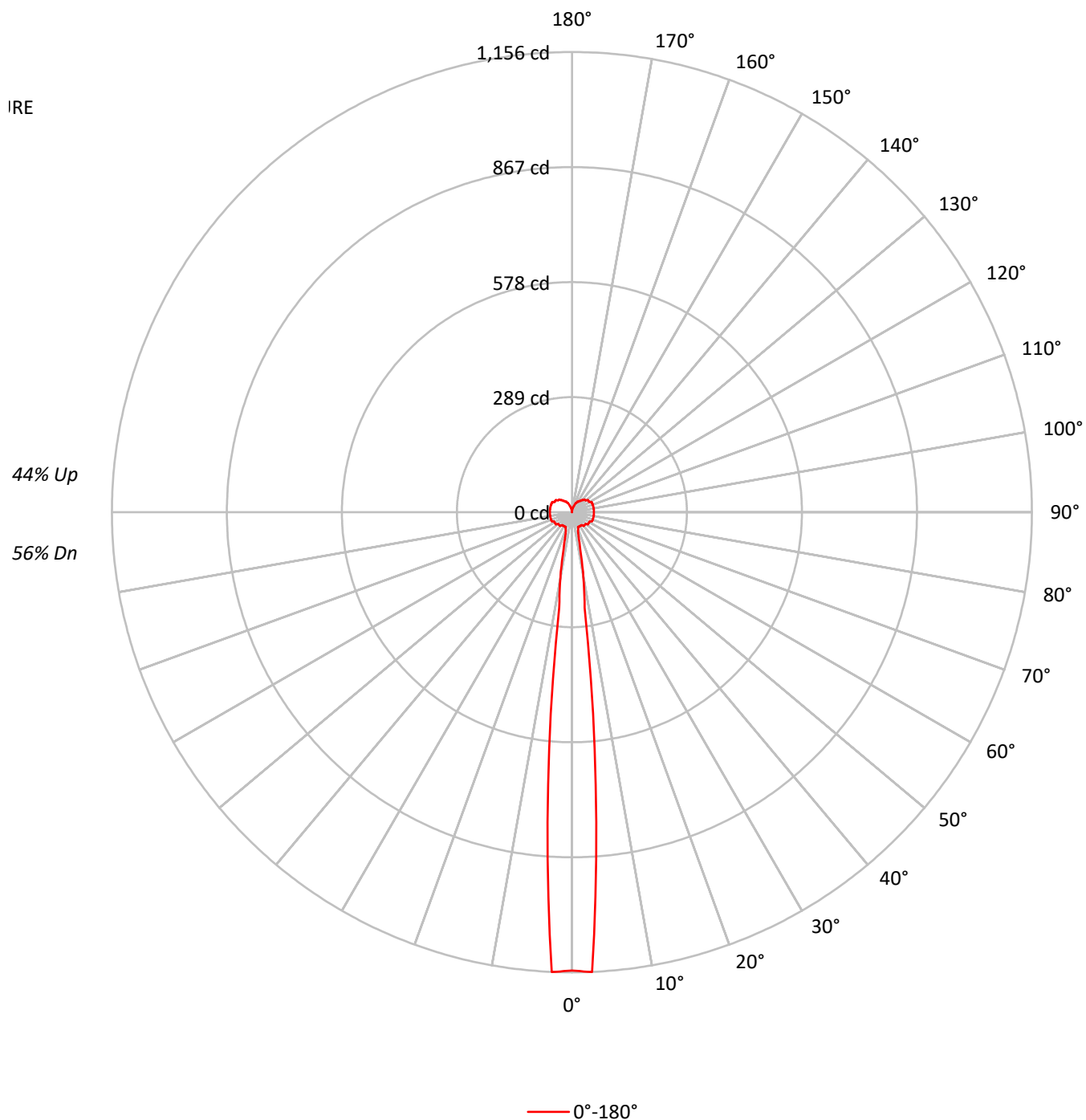
Lumens per Lamp: N/A
Luminaire Lumens: 654.7 lumens
Efficiency: N/A
Efficacy: 22.7 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 28.9
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	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	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	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	22	30	24	20	26	21	18	22	18	15	13		
10	47	34	27	22	43	32	25	21	28	22	19	24	20	17	21	17	15	13		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	58996
5°	25863
10°	4990
15°	1641
20°	982
25°	774
30°	700
35°	643
40°	674
45°	635
50°	605
55°	647
60°	628
65°	675
70°	666
75°	662
80°	663
85°	669

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 680 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.8	7.0
10°-20°	21.0	3.2
20°-30°	18.9	2.9
30°-40°	25.8	3.9
40°-50°	35.2	5.4
50°-60°	44.8	6.8
60°-70°	53.3	8.1
70°-80°	58.7	9.0
80°-90°	60.6	9.2
90°-100°	60.6	9.2
100°-110°	58.7	9.0
110°-120°	54.5	8.3
120°-130°	44.8	6.8
130°-140°	33.8	5.2
140°-150°	21.5	3.3
150°-160°	12.4	1.9
160°-170°	4.1	0.6
170°-180°	0.4	0.1
0°-30°	85.7	13.1
0°-40°	111.5	17.0
0°-60°	191.5	29.2
0°-90°	364.0	55.6
90°-120°	173.8	26.5
90°-150°	273.8	41.8
90°-180°	291.0	44.4
0°-180°	654.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1151	
5°	687	46
15°	66	21
25°	40	19
35°	40	26
45°	45	35
55°	50	45
65°	56	53
75°	56	59
85°	56	45
90°	56	30
95°	56	45
105°	56	59
115°	56	54
125°	50	45
135°	45	34
145°	35	22
155°	25	12
165°	15	4
175°	0	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1151.2
2.5°	1156.3
5°	686.7
7.5°	242.4
10°	166.6
12.5°	95.9
15°	65.6
17.5°	50.5
20°	45.4
22.5°	40.4
25°	40.4
27.5°	40.4
30°	40.4
32.5°	40.4
35°	40.4
37.5°	40.4
40°	45.4
42.5°	45.4
45°	45.4
47.5°	45.4
50°	45.4
52.5°	50.5
55°	50.5
57.5°	50.5
60°	50.5
62.5°	50.5
65°	55.5
67.5°	55.5
70°	55.5
72.5°	55.5
75°	55.5
77.5°	55.5
80°	55.5
82.5°	55.5
85°	55.5
87.5°	55.5
90°	55.5
92.5°	55.5
95°	55.5
97.5°	55.5
100°	55.5
102.5°	55.5
105°	55.5
107.5°	55.5
110°	55.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	55.5
115°	55.5
117.5°	55.5
120°	50.5
122.5°	50.5
125°	50.5
127.5°	50.5
130°	45.4
132.5°	45.4
135°	45.4
137.5°	40.4
140°	40.4
142.5°	35.3
145°	35.3
147.5°	30.3
150°	30.3
152.5°	30.3
155°	25.2
157.5°	25.2
160°	20.2
162.5°	15.1
165°	15.1
167.5°	10.1
170°	10.1
172.5°	5.0
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	5.9	6.9	6.8	7.8	9.0	5.9	6.9	6.8	7.8	9.0
	3H	9.0	10.0	9.9	10.9	12.1	9.0	10.0	9.9	10.9	12.1
	4H	10.4	11.3	11.3	12.3	13.5	10.4	11.3	11.3	12.3	13.5
	6H	11.8	12.7	12.8	13.6	14.8	11.8	12.7	12.8	13.6	14.8
	8H	12.5	13.3	13.4	14.3	15.5	12.5	13.3	13.4	14.3	15.5
	12H	13.1	13.9	14.1	14.9	16.1	13.1	13.9	14.1	14.9	16.1
4H	2H	6.7	7.6	7.6	8.6	9.8	6.7	7.6	7.6	8.6	9.8
	3H	10.0	10.8	10.9	11.7	13.0	10.0	10.8	10.9	11.7	13.0
	4H	11.5	12.3	12.5	13.2	14.5	11.5	12.3	12.5	13.2	14.5
	6H	13.1	13.8	14.0	14.7	16.0	13.1	13.8	14.0	14.7	16.0
	8H	13.9	14.5	14.8	15.5	16.7	13.9	14.5	14.8	15.5	16.7
	12H	14.6	15.2	15.6	16.2	17.4	14.6	15.2	15.6	16.2	17.4
8H	4H	12.1	12.7	13.0	13.6	14.9	12.1	12.7	13.0	13.6	14.9
	6H	13.8	14.3	14.8	15.4	16.6	13.8	14.3	14.8	15.4	16.6
	8H	14.7	15.2	15.7	16.2	17.5	14.7	15.2	15.7	16.2	17.5
	12H	15.6	16.1	16.6	17.1	18.4	15.6	16.1	16.6	17.1	18.4
12H	4H	12.2	12.7	13.1	13.7	15.0	12.2	12.7	13.1	13.7	15.0
	6H	14.0	14.5	15.0	15.5	16.8	14.0	14.5	15.0	15.5	16.8
	8H	15.0	15.4	16.0	16.4	17.7	15.0	15.4	16.0	16.4	17.7

(END OF REPORT)