

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: P1245210

Luminaire Tested: PRLX-NIM-S-927-02L-U-WO

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245210
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-NIM-S-927-02L-U-WO
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, WOVEN OVAL SHADE TEXTURE
LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

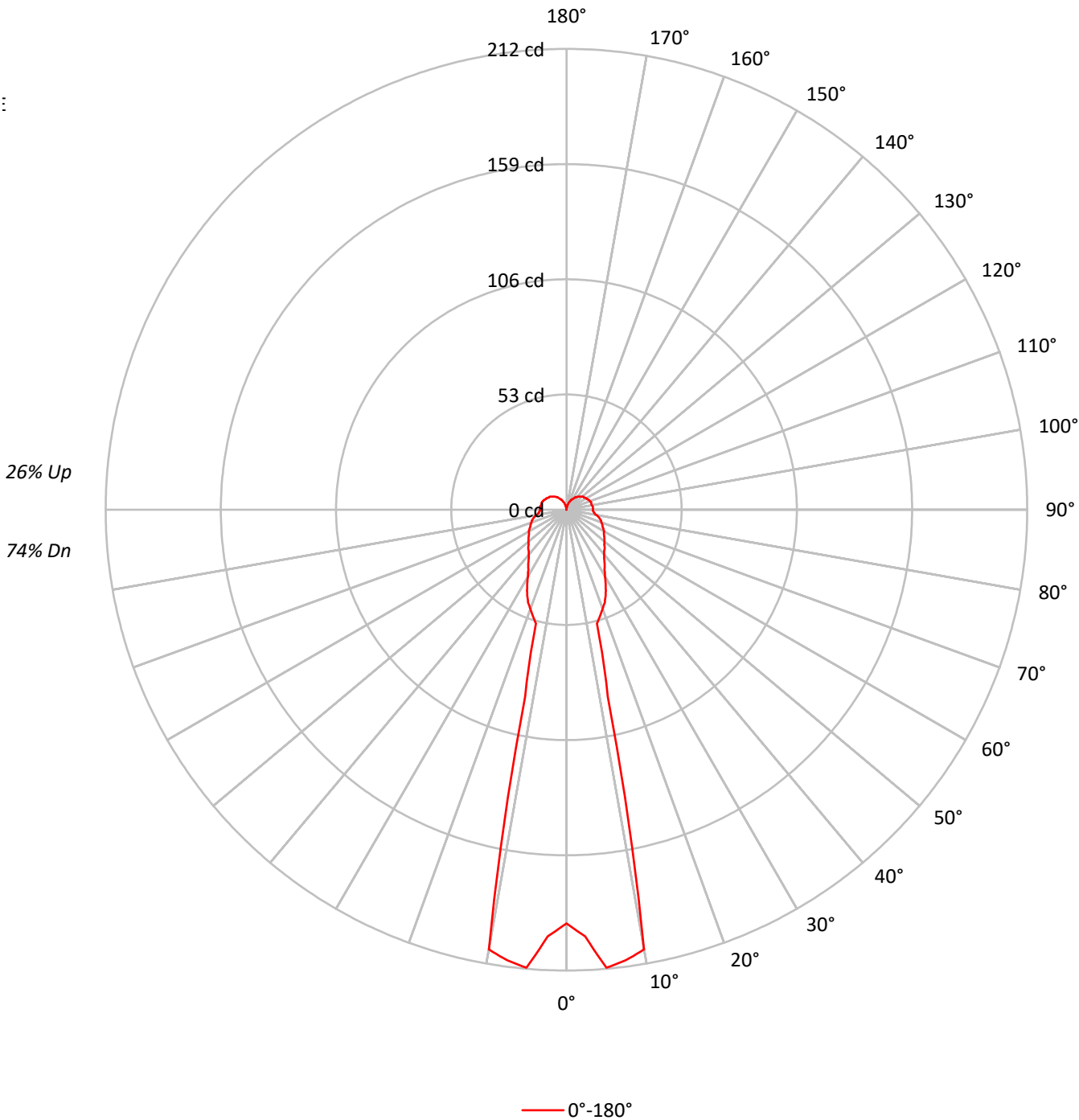
Lumens per Lamp: N/A
Luminaire Lumens: 226.0 lumens
Efficiency: N/A
Efficacy: 35.9 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 0.87')
CIE Type: Semi-Direct

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	113	113	113	113	107	107	107	107	96	96	96	87	87	87	78	78	78	74		
1	101	96	91	87	96	91	87	83	82	79	76	74	71	69	66	64	62	58		
2	92	84	77	71	87	80	73	68	72	67	63	65	61	57	58	55	52	49		
3	85	74	66	60	80	71	64	58	64	58	53	58	53	49	52	48	45	42		
4	78	67	58	52	74	64	56	50	58	52	47	52	47	43	47	43	40	37		
5	72	60	52	46	69	58	50	44	53	46	41	48	43	39	44	39	36	33		
6	68	55	47	41	64	53	45	40	48	42	37	44	39	35	41	36	33	30		
7	63	51	43	37	60	49	41	36	45	39	34	41	36	32	38	33	30	28		
8	59	47	39	34	56	45	38	33	42	36	31	39	33	30	36	31	28	26		
9	56	44	36	31	53	42	35	30	39	33	29	36	31	28	34	29	26	24		
10	53	41	34	29	51	40	33	28	37	31	27	34	29	26	32	28	24	23		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	6020
5°	5942
10°	5225
15°	1268
20°	1058
25°	881
30°	697
35°	578
40°	493
45°	447
50°	404
55°	374
60°	353
65°	326
70°	310
75°	296
80°	268
85°	253

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 447 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.7	8.7
10°-20°	20.9	9.3
20°-30°	19.5	8.6
30°-40°	19.2	8.5
40°-50°	19.1	8.5
50°-60°	19.0	8.4
60°-70°	18.3	8.1
70°-80°	16.7	7.4
80°-90°	13.9	6.1
90°-100°	13.3	5.9
100°-110°	12.4	5.5
110°-120°	10.9	4.8
120°-130°	8.9	4.0
130°-140°	6.7	3.0
140°-150°	4.3	1.9
150°-160°	2.2	1.0
160°-170°	0.8	0.3
170°-180°	0.1	0.0
0°-30°	60.1	26.6
0°-40°	79.3	35.1
0°-60°	117.5	52.0
0°-90°	166.4	73.6
90°-120°	36.6	16.2
90°-150°	56.5	25.0
90°-180°	60.0	26.6
0°-180°	226.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	190	
5°	212	20
15°	54	21
25°	43	19
35°	31	19
45°	25	19
55°	21	19
65°	18	18
75°	16	17
85°	13	11
90°	12	7
95°	12	10
105°	12	12
115°	11	11
125°	10	9
135°	9	7
145°	7	4
155°	5	2
165°	2	1
175°	0	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	190.3
2.5°	196.4
5°	211.5
7.5°	209.1
10°	205.4
12.5°	88.0
15°	54.2
17.5°	51.3
20°	48.5
22.5°	46.1
25°	42.8
27.5°	39.1
30°	35.5
32.5°	32.6
35°	30.6
37.5°	28.5
40°	26.9
42.5°	25.7
45°	24.9
47.5°	23.6
50°	22.8
52.5°	22.0
55°	21.2
57.5°	20.4
60°	20.0
62.5°	19.2
65°	18.3
67.5°	17.9
70°	17.1
72.5°	16.7
75°	15.9
77.5°	15.1
80°	13.9
82.5°	13.0
85°	12.6
87.5°	12.2
90°	12.2
92.5°	12.2
95°	12.2
97.5°	12.2
100°	11.8
102.5°	11.8
105°	11.8
107.5°	11.8
110°	11.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	11.4
115°	11.0
117.5°	10.6
120°	10.6
122.5°	10.2
125°	9.8
127.5°	9.8
130°	9.4
132.5°	9.0
135°	8.6
137.5°	8.2
140°	7.7
142.5°	7.3
145°	6.9
147.5°	6.1
150°	5.7
152.5°	5.3
155°	4.9
157.5°	4.1
160°	3.7
162.5°	3.3
165°	2.4
167.5°	2.0
170°	1.6
172.5°	0.8
175°	0.4
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	5.1	6.3	5.9	7.0	7.9	5.1	6.3	5.9	7.0	7.9
	3H	7.4	8.5	8.2	9.2	10.1	7.4	8.5	8.2	9.2	10.1
	4H	8.5	9.5	9.3	10.3	11.2	8.5	9.5	9.3	10.3	11.2
	6H	9.5	10.4	10.2	11.2	12.1	9.5	10.4	10.2	11.2	12.1
	8H	9.9	10.8	10.7	11.6	12.5	9.9	10.8	10.7	11.6	12.5
	12H	10.3	11.2	11.1	11.9	12.9	10.3	11.2	11.1	11.9	12.9
4H	2H	5.7	6.7	6.5	7.5	8.4	5.7	6.7	6.5	7.5	8.4
	3H	8.2	9.1	9.0	9.9	10.8	8.2	9.1	9.0	9.9	10.8
	4H	9.5	10.3	10.2	11.0	12.0	9.5	10.3	10.2	11.0	12.0
	6H	10.6	11.3	11.4	12.1	13.1	10.6	11.3	11.4	12.1	13.1
	8H	11.1	11.8	11.9	12.6	13.6	11.1	11.8	11.9	12.6	13.6
	12H	11.6	12.2	12.4	13.0	14.0	11.6	12.2	12.4	13.0	14.0
8H	4H	9.9	10.5	10.7	11.3	12.3	9.9	10.5	10.7	11.3	12.3
	6H	11.2	11.7	12.0	12.6	13.6	11.2	11.7	12.0	12.6	13.6
	8H	11.8	12.3	12.6	13.2	14.2	11.8	12.3	12.6	13.2	14.2
	12H	12.5	12.9	13.3	13.8	14.8	12.5	12.9	13.3	13.8	14.8
12H	4H	9.9	10.5	10.7	11.3	12.3	9.9	10.5	10.7	11.3	12.3
	6H	11.3	11.8	12.1	12.6	13.7	11.3	11.8	12.1	12.6	13.7
	8H	12.0	12.4	12.8	13.3	14.3	12.0	12.4	12.8	13.3	14.3

(END OF REPORT)