

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: P1244940

Luminaire Tested: PRLX-MIN-S-927-02L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244940
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-MIN-S-927-02L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

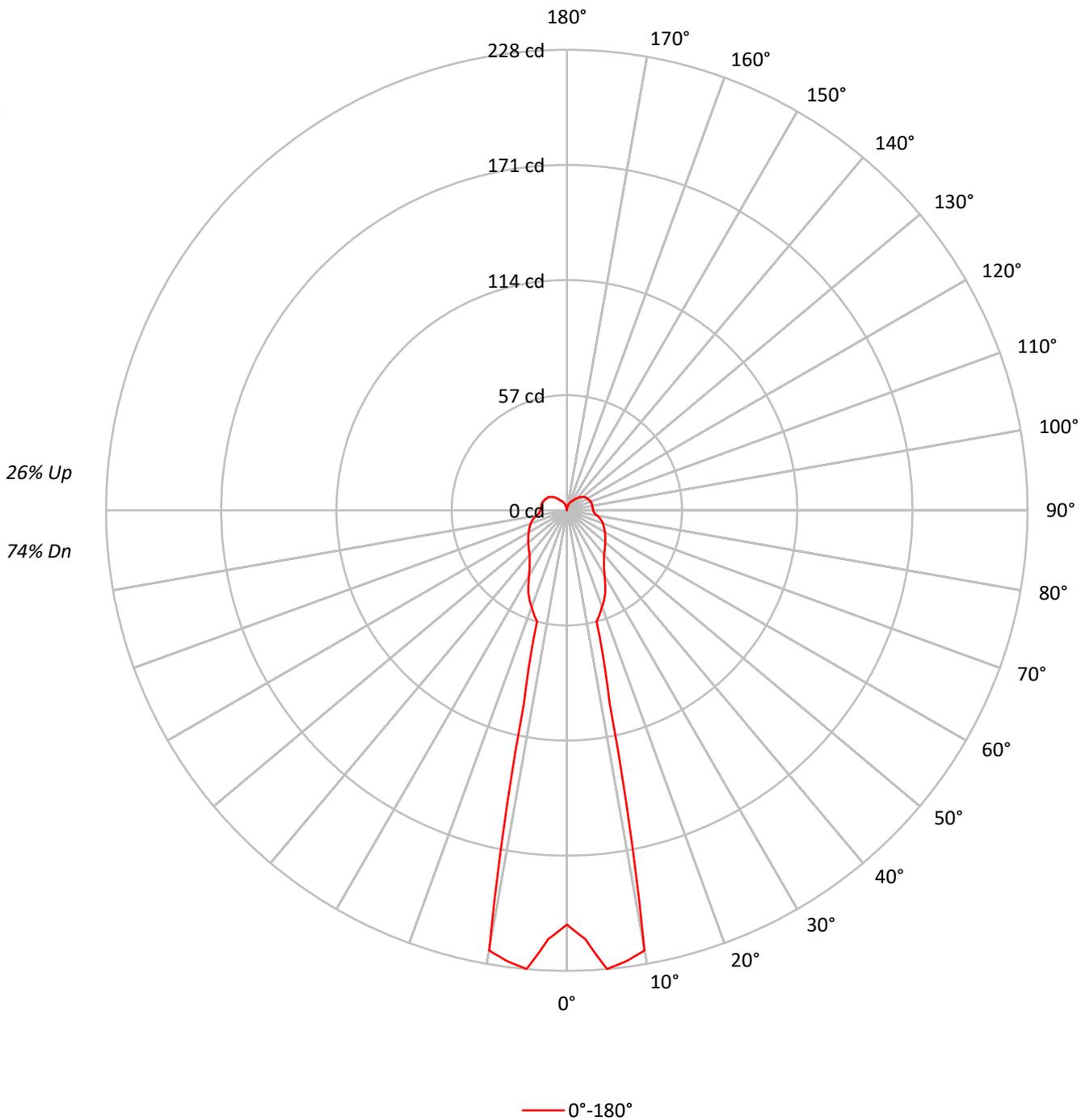
Lumens per Lamp: N/A
Luminaire Lumens: 243.0 lumens
Efficiency: N/A
Efficacy: 38.6 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.38
Luminous Opening: Rectangular w/ Sides (W: 0.62' x L: 0.62' x H: 0.87')
CIE Type: Semi-Direct

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	113	113	113	113	107	107	107	107	97	97	97	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	63	58	64	58	53	58	53	49	52	48	45	42
4	78	67	58	52	74	63	56	50	58	51	46	52	47	43	47	43	40	37
5	72	60	52	46	68	58	50	44	53	46	41	48	43	38	44	39	36	33
6	67	55	47	41	64	53	45	39	48	42	37	44	39	35	40	36	33	30
7	63	51	42	37	60	49	41	36	45	38	34	41	36	32	38	33	30	28
8	59	47	39	34	56	45	38	33	42	35	31	38	33	29	35	31	28	26
9	56	44	36	31	53	42	35	30	39	33	29	36	31	27	33	29	26	24
10	53	41	34	29	50	39	33	28	37	31	27	34	29	26	32	27	24	23

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	5652
5°	5622
10°	4972
15°	1184
20°	989
25°	830
30°	660
35°	545
40°	476
45°	433
50°	400
55°	375
60°	352
65°	332
70°	317
75°	297
80°	273
85°	254

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 433 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.3	8.8
10°-20°	22.5	9.2
20°-30°	20.4	8.4
30°-40°	20.2	8.3
40°-50°	20.6	8.5
50°-60°	20.9	8.6
60°-70°	20.2	8.3
70°-80°	18.2	7.5
80°-90°	15.0	6.2
90°-100°	14.0	5.8
100°-110°	13.4	5.5
110°-120°	12.0	4.9
120°-130°	10.0	4.1
130°-140°	7.1	2.9
140°-150°	4.1	1.7
150°-160°	2.1	0.9
160°-170°	0.8	0.3
170°-180°	0.1	0.0
0°-30°	64.2	26.4
0°-40°	84.4	34.7
0°-60°	125.9	51.8
0°-90°	179.3	73.8
90°-120°	39.5	16.3
90°-150°	60.7	25.0
90°-180°	64.0	26.3
0°-180°	243.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	205	
5°	228	21
15°	57	22
25°	45	20
35°	32	20
45°	27	21
55°	23	21
65°	20	20
75°	17	18
85°	14	11
90°	13	7
95°	13	10
105°	13	13
115°	12	12
125°	11	10
135°	9	7
145°	6	4
155°	4	2
165°	3	1
175°	0	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	205.1
2.5°	212.6
5°	228.0
7.5°	225.2
10°	221.3
12.5°	97.9
15°	57.0
17.5°	54.0
20°	50.8
22.5°	48.2
25°	45.0
27.5°	41.0
30°	37.4
32.5°	34.3
35°	32.0
37.5°	30.2
40°	28.7
42.5°	27.6
45°	26.6
47.5°	25.7
50°	24.8
52.5°	24.0
55°	23.3
57.5°	22.5
60°	21.8
62.5°	21.0
65°	20.3
67.5°	19.7
70°	19.0
72.5°	18.2
75°	17.3
77.5°	16.4
80°	15.3
82.5°	14.1
85°	13.6
87.5°	13.2
90°	13.0
92.5°	13.0
95°	12.8
97.5°	12.8
100°	12.8
102.5°	12.8
105°	12.7
107.5°	12.7
110°	12.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	12.3
115°	12.1
117.5°	11.9
120°	11.7
122.5°	11.4
125°	11.2
127.5°	10.8
130°	10.2
132.5°	9.9
135°	9.1
137.5°	8.6
140°	7.8
142.5°	7.1
145°	6.3
147.5°	5.8
150°	5.4
152.5°	5.0
155°	4.5
157.5°	4.1
160°	3.7
162.5°	3.4
165°	2.8
167.5°	2.2
170°	1.5
172.5°	0.7
175°	0.2
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	5.3	6.4	6.0	7.1	8.0	5.3	6.4	6.0	7.1	8.0
	3H	7.6	8.6	8.3	9.4	10.3	7.6	8.6	8.3	9.4	10.3
	4H	8.6	9.6	9.4	10.4	11.3	8.6	9.6	9.4	10.4	11.3
	6H	9.6	10.5	10.3	11.3	12.2	9.6	10.5	10.3	11.3	12.2
	8H	10.0	10.9	10.8	11.7	12.6	10.0	10.9	10.8	11.7	12.6
	12H	10.4	11.3	11.2	12.0	13.0	10.4	11.3	11.2	12.0	13.0
4H	2H	5.9	6.9	6.6	7.6	8.5	5.9	6.9	6.6	7.6	8.5
	3H	8.4	9.2	9.1	10.0	11.0	8.4	9.2	9.1	10.0	11.0
	4H	9.6	10.4	10.4	11.2	12.1	9.6	10.4	10.4	11.2	12.1
	6H	10.7	11.4	11.5	12.2	13.2	10.7	11.4	11.5	12.2	13.2
	8H	11.2	11.9	12.0	12.7	13.7	11.2	11.9	12.0	12.7	13.7
	12H	11.7	12.3	12.5	13.1	14.1	11.7	12.3	12.5	13.1	14.1
8H	4H	10.0	10.6	10.8	11.4	12.4	10.0	10.6	10.8	11.4	12.4
	6H	11.3	11.8	12.1	12.7	13.7	11.3	11.8	12.1	12.7	13.7
	8H	11.9	12.4	12.7	13.3	14.3	11.9	12.4	12.7	13.3	14.3
	12H	12.6	13.0	13.4	13.9	14.9	12.6	13.0	13.4	13.9	14.9
12H	4H	10.0	10.6	10.8	11.5	12.5	10.0	10.6	10.8	11.5	12.5
	6H	11.4	11.9	12.2	12.7	13.8	11.4	11.9	12.2	12.7	13.8
	8H	12.1	12.5	12.9	13.4	14.4	12.1	12.5	12.9	13.4	14.4

(END OF REPORT)