

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: P1245288

Luminaire Tested: PRLX-UNA-L-927-02L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245288
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UNA-L-927-02L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

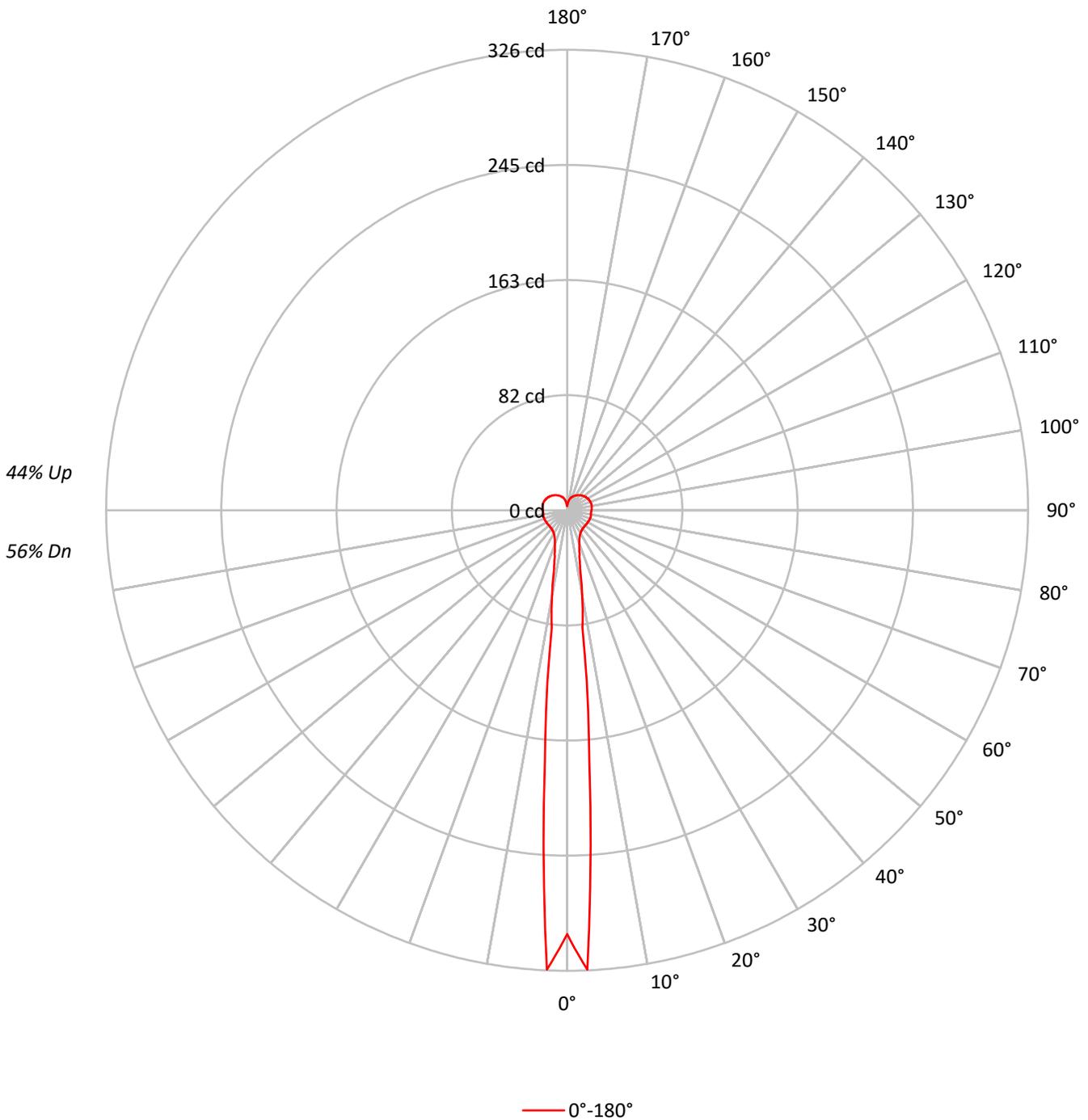
Lumens per Lamp: N/A
Luminaire Lumens: 223.4 lumens
Efficiency: N/A
Efficacy: 39.9 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 5.6
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	109	109	109	109	101	101	101	101	87	87	87		74	74	74		62	62	62	56
1	96	90	85	80	88	83	79	75	71	67	64		60	57	55		49	47	46	40
2	86	77	70	63	80	72	65	59	61	56	51		51	47	44		42	39	37	32
3	78	68	59	52	72	63	55	49	54	48	43		45	40	37		37	34	31	27
4	72	60	51	44	66	56	48	42	48	41	36		40	35	31		33	30	27	23
5	66	54	45	38	61	50	42	36	43	37	32		36	31	28		30	27	23	20
6	61	48	40	34	57	45	37	32	39	33	28		33	28	25		28	24	21	18
7	57	44	36	30	53	41	34	28	36	30	25		31	26	22		26	22	19	17
8	53	41	32	27	49	38	31	26	33	27	23		29	24	20		24	21	18	15
9	50	37	30	25	46	35	28	23	31	25	21		27	22	19		23	19	16	14
10	47	35	27	22	44	33	26	21	29	23	19		25	21	17		22	18	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	9488
5°	4447
10°	1251
15°	587
20°	386
25°	288
30°	237
35°	207
40°	187
45°	175
50°	167
55°	163
60°	160
65°	159
70°	159
75°	159
80°	158
85°	160

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 175 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.4	6.0
10°-20°	10.0	4.5
20°-30°	9.8	4.4
30°-40°	11.1	5.0
40°-50°	13.0	5.8
50°-60°	15.1	6.8
60°-70°	17.0	7.6
70°-80°	18.2	8.2
80°-90°	18.6	8.3
90°-100°	19.1	8.5
100°-110°	18.7	8.4
110°-120°	17.1	7.6
120°-130°	14.5	6.5
130°-140°	11.5	5.1
140°-150°	8.2	3.7
150°-160°	5.2	2.3
160°-170°	2.5	1.1
170°-180°	0.5	0.2
0°-30°	33.2	14.8
0°-40°	44.3	19.8
0°-60°	72.4	32.4
0°-90°	126.2	56.5
90°-120°	54.8	24.5
90°-150°	89.0	39.8
90°-180°	97.0	43.4
0°-180°	223.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	300	
5°	180	13
15°	34	10
25°	21	10
35°	18	11
45°	17	13
55°	17	15
65°	17	17
75°	17	18
85°	17	14
90°	17	9
95°	18	14
105°	18	19
115°	17	17
125°	16	15
135°	15	11
145°	13	8
155°	11	5
165°	9	3
175°	5	1
180°	3	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	299.9
2.5°	325.5
5°	180.3
7.5°	83.6
10°	61.5
12.5°	42.3
15°	33.7
17.5°	28.7
20°	25.2
22.5°	22.6
25°	20.9
27.5°	19.7
30°	18.8
32.5°	18.2
35°	17.7
37.5°	17.3
40°	17.0
42.5°	16.9
45°	16.8
47.5°	16.7
50°	16.7
52.5°	16.8
55°	16.8
57.5°	16.9
60°	16.9
62.5°	17.0
65°	17.1
67.5°	17.2
70°	17.2
72.5°	17.3
75°	17.3
77.5°	17.2
80°	17.0
82.5°	17.0
85°	17.0
87.5°	17.1
90°	17.2
92.5°	17.4
95°	17.5
97.5°	17.6
100°	17.7
102.5°	17.7
105°	17.7
107.5°	17.6
110°	17.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	17.4
115°	17.2
117.5°	17.0
120°	16.8
122.5°	16.5
125°	16.2
127.5°	15.9
130°	15.6
132.5°	15.2
135°	14.8
137.5°	14.4
140°	13.9
142.5°	13.5
145°	13.0
147.5°	12.6
150°	12.1
152.5°	11.6
155°	11.1
157.5°	10.6
160°	10.0
162.5°	9.5
165°	8.8
167.5°	8.0
170°	7.0
172.5°	5.9
175°	4.6
177.5°	3.4
180°	3.0



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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	1.1	2.1	2.0	3.0	4.2	1.1	2.1	2.0	3.0	4.2
	3H	4.0	4.9	4.8	5.8	7.0	4.0	4.9	4.8	5.8	7.0
	4H	5.3	6.2	6.2	7.1	8.3	5.3	6.2	6.2	7.1	8.3
	6H	6.7	7.5	7.6	8.4	9.7	6.7	7.5	7.6	8.4	9.7
	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	9.6	10.9	7.9	8.7	8.9	9.6	10.9
4H	2H	1.8	2.7	2.7	3.7	4.9	1.8	2.7	2.7	3.7	4.9
	3H	4.9	5.6	5.8	6.6	7.8	4.9	5.6	5.8	6.6	7.8
	4H	6.4	7.1	7.3	8.1	9.3	6.4	7.1	7.3	8.1	9.3
	6H	7.9	8.5	8.8	9.5	10.8	7.9	8.5	8.8	9.5	10.8
	8H	8.6	9.2	9.6	10.2	11.5	8.6	9.2	9.6	10.2	11.5
	12H	9.4	9.9	10.3	10.9	12.2	9.4	9.9	10.3	10.9	12.2
8H	4H	6.9	7.5	7.8	8.5	9.7	6.9	7.5	7.8	8.5	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	9.9	10.5	10.9	12.2	9.5	9.9	10.5	10.9	12.2
	12H	10.4	10.8	11.4	11.8	13.1	10.4	10.8	11.4	11.8	13.1
12H	4H	7.0	7.5	8.0	8.5	9.8	7.0	7.5	8.0	8.5	9.8
	6H	8.8	9.2	9.8	10.2	11.5	8.8	9.2	9.8	10.2	11.5
	8H	9.7	10.1	10.7	11.1	12.4	9.7	10.1	10.7	11.1	12.4

(END OF REPORT)