

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: P1245287

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245287
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-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

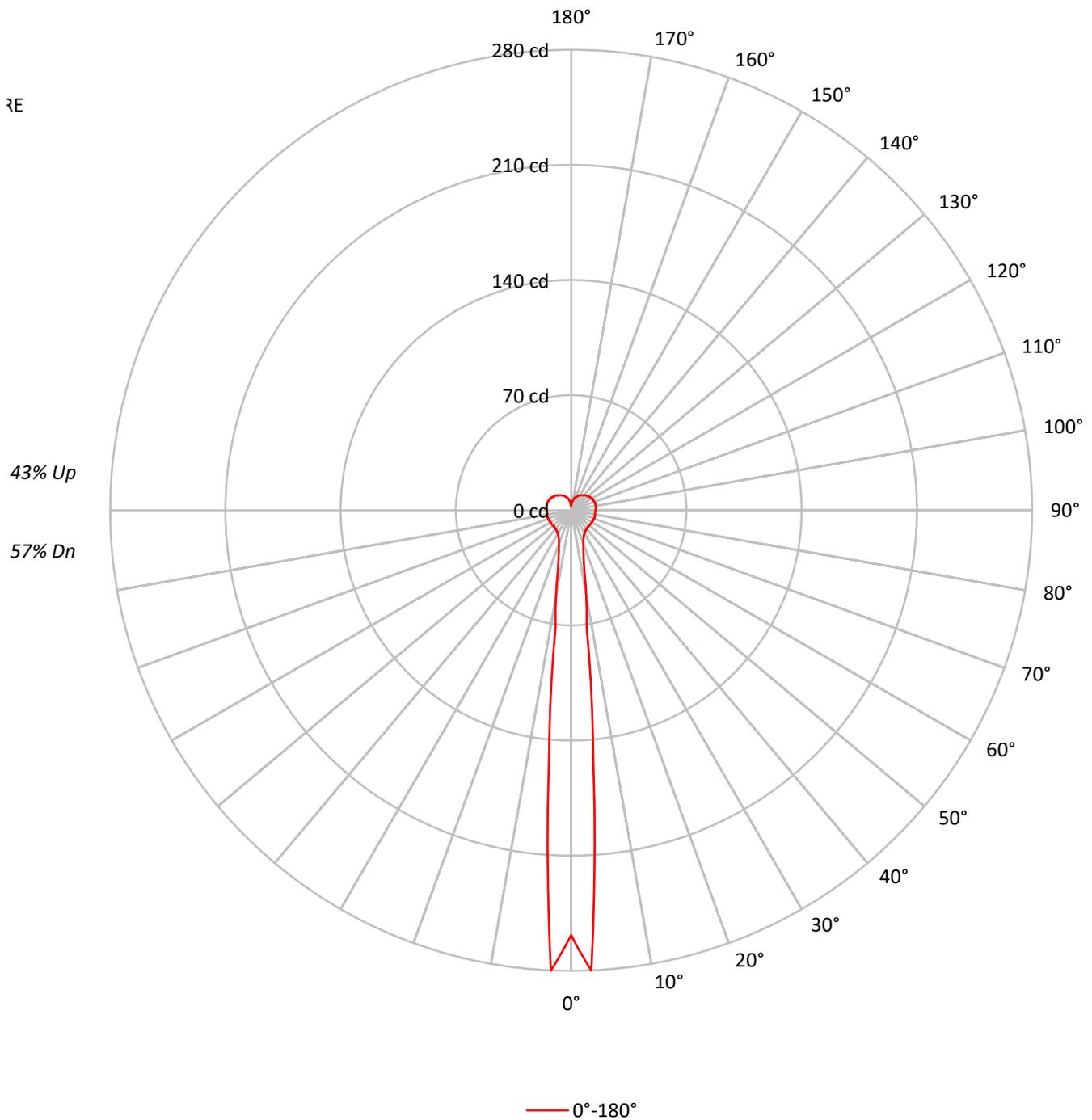
Lumens per Lamp: N/A
Luminaire Lumens: 192.0 lumens
Efficiency: N/A
Efficacy: 34.3 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

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	57
1	96	90	85	80	88	83	79	75	71	68	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	79	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	37	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	33	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°	8169
5°	3828
10°	1076
15°	505
20°	333
25°	248
30°	204
35°	178
40°	160
45°	150
50°	143
55°	140
60°	137
65°	137
70°	137
75°	137
80°	135
85°	137

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 150 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.5	6.0
10°-20°	8.6	4.5
20°-30°	8.4	4.4
30°-40°	9.6	5.0
40°-50°	11.2	5.8
50°-60°	12.9	6.7
60°-70°	14.6	7.6
70°-80°	15.7	8.2
80°-90°	16.0	8.3
90°-100°	16.4	8.5
100°-110°	16.0	8.3
110°-120°	14.6	7.6
120°-130°	12.5	6.5
130°-140°	9.9	5.1
140°-150°	7.0	3.7
150°-160°	4.4	2.3
160°-170°	2.2	1.1
170°-180°	0.4	0.2
0°-30°	28.5	14.9
0°-40°	38.1	19.9
0°-60°	62.2	32.4
0°-90°	108.5	56.5
90°-120°	47.0	24.5
90°-150°	76.4	39.8
90°-180°	83.0	43.2
0°-180°	192.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	258	
5°	155	12
15°	29	9
25°	18	8
35°	15	10
45°	14	11
55°	14	13
65°	15	15
75°	15	16
85°	15	12
90°	15	8
95°	15	12
105°	15	16
115°	15	15
125°	14	13
135°	13	10
145°	11	7
155°	10	4
165°	8	2
175°	4	0
180°	3	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	258.2
2.5°	280.2
5°	155.2
7.5°	72.0
10°	52.9
12.5°	36.4
15°	29.0
17.5°	24.7
20°	21.7
22.5°	19.5
25°	18.0
27.5°	16.9
30°	16.2
32.5°	15.6
35°	15.2
37.5°	14.9
40°	14.6
42.5°	14.5
45°	14.4
47.5°	14.3
50°	14.3
52.5°	14.4
55°	14.4
57.5°	14.5
60°	14.5
62.5°	14.6
65°	14.7
67.5°	14.8
70°	14.8
72.5°	14.9
75°	14.9
77.5°	14.8
80°	14.6
82.5°	14.6
85°	14.6
87.5°	14.7
90°	14.8
92.5°	14.9
95°	15.0
97.5°	15.1
100°	15.2
102.5°	15.2
105°	15.2
107.5°	15.1
110°	15.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	14.9
115°	14.8
117.5°	14.6
120°	14.4
122.5°	14.2
125°	13.9
127.5°	13.7
130°	13.4
132.5°	13.1
135°	12.7
137.5°	12.4
140°	11.9
142.5°	11.6
145°	11.2
147.5°	10.8
150°	10.4
152.5°	10.0
155°	9.5
157.5°	9.1
160°	8.6
162.5°	8.2
165°	7.6
167.5°	6.9
170°	6.0
172.5°	5.1
175°	4.0
177.5°	2.9
180°	2.6



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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	0.6	1.6	1.5	2.5	3.7	0.6	1.6	1.5	2.5	3.7
	3H	3.4	4.4	4.3	5.3	6.5	3.4	4.4	4.3	5.3	6.5
	4H	4.8	5.7	5.7	6.6	7.8	4.8	5.7	5.7	6.6	7.8
	6H	6.2	7.0	7.1	7.9	9.1	6.2	7.0	7.1	7.9	9.1
	8H	6.8	7.6	7.7	8.5	9.7	6.8	7.6	7.7	8.5	9.7
	12H	7.4	8.2	8.3	9.1	10.4	7.4	8.2	8.3	9.1	10.4
4H	2H	1.3	2.2	2.2	3.1	4.3	1.3	2.2	2.2	3.1	4.3
	3H	4.3	5.1	5.3	6.1	7.3	4.3	5.1	5.3	6.1	7.3
	4H	5.9	6.6	6.8	7.6	8.8	5.9	6.6	6.8	7.6	8.8
	6H	7.4	8.0	8.3	9.0	10.2	7.4	8.0	8.3	9.0	10.2
	8H	8.1	8.7	9.1	9.7	10.9	8.1	8.7	9.1	9.7	10.9
	12H	8.9	9.4	9.8	10.4	11.6	8.9	9.4	9.8	10.4	11.6
8H	4H	6.4	7.0	7.3	7.9	9.2	6.4	7.0	7.3	7.9	9.2
	6H	8.1	8.6	9.0	9.6	10.9	8.1	8.6	9.0	9.6	10.9
	8H	9.0	9.4	9.9	10.4	11.7	9.0	9.4	9.9	10.4	11.7
	12H	9.9	10.3	10.8	11.3	12.6	9.9	10.3	10.8	11.3	12.6
12H	4H	6.5	7.0	7.4	8.0	9.3	6.5	7.0	7.4	8.0	9.3
	6H	8.3	8.7	9.2	9.7	11.0	8.3	8.7	9.2	9.7	11.0
	8H	9.2	9.6	10.2	10.6	11.9	9.2	9.6	10.2	10.6	11.9

(END OF REPORT)