

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: P1244808

Luminaire Tested: PRLX-MIN-L-930-02L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244808
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-MIN-L-930-02L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

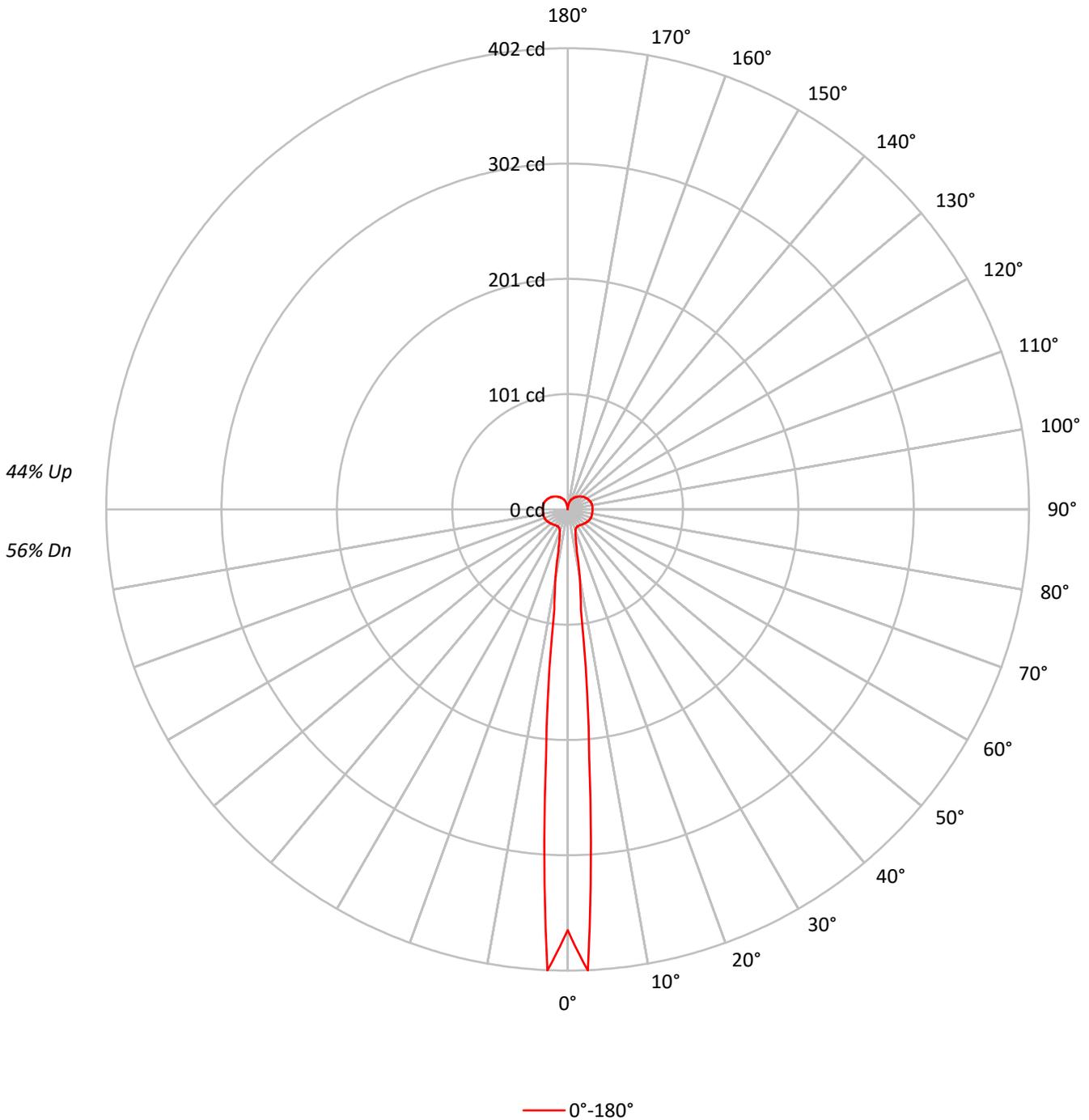
Lumens per Lamp: N/A
Luminaire Lumens: 252.9 lumens
Efficiency: N/A
Efficacy: 45.2 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 5.6
Input Voltage (V): NR
Input Current (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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62
1	95	89	83	78	88	82	77	73	70	66	63	59	56	53	48	46	44
2	85	76	68	62	79	70	63	58	60	54	50	50	46	42	41	38	35
3	77	66	57	50	71	61	53	47	52	46	41	43	39	35	36	32	29
4	71	58	49	42	65	54	46	40	46	40	35	39	34	30	32	28	25
5	65	52	43	37	60	48	40	34	41	35	30	35	30	26	29	25	22
6	60	47	38	32	55	44	36	30	38	31	26	32	27	23	27	22	19
7	56	43	34	28	52	40	32	27	35	28	24	29	24	21	25	21	18
8	52	39	31	25	48	37	29	24	32	26	21	27	22	19	23	19	16
9	49	36	28	23	45	34	27	22	30	24	20	26	21	17	22	18	15
10	46	34	26	21	43	32	25	20	28	22	18	24	19	16	21	17	14

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	11601
5°	5320
10°	1241
15°	474
20°	305
25°	244
30°	216
35°	202
40°	196
45°	192
50°	191
55°	192
60°	194
65°	196
70°	198
75°	200
80°	200
85°	204

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 209 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.5	6.1
10°-20°	8.5	3.4
20°-30°	8.3	3.3
30°-40°	10.9	4.3
40°-50°	14.3	5.6
50°-60°	17.8	7.0
60°-70°	20.9	8.3
70°-80°	22.9	9.0
80°-90°	23.6	9.3
90°-100°	23.7	9.4
100°-110°	22.5	8.9
110°-120°	19.9	7.9
120°-130°	16.4	6.5
130°-140°	12.4	4.9
140°-150°	8.4	3.3
150°-160°	4.9	1.9
160°-170°	2.0	0.8
170°-180°	0.2	0.1
0°-30°	32.3	12.8
0°-40°	43.2	17.1
0°-60°	75.2	29.7
0°-90°	142.6	56.4
90°-120°	66.1	26.1
90°-150°	103.2	40.8
90°-180°	110.0	43.5
0°-180°	252.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	367	
5°	216	15
15°	27	9
25°	18	8
35°	17	11
45°	18	14
55°	20	18
65°	21	21
75°	22	23
85°	22	18
90°	22	12
95°	22	18
105°	21	23
115°	20	20
125°	18	16
135°	16	12
145°	13	8
155°	10	5
165°	7	2
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	366.7
2.5°	402.3
5°	215.7
7.5°	87.8
10°	61.0
12.5°	37.3
15°	27.2
17.5°	22.6
20°	19.9
22.5°	18.5
25°	17.7
27.5°	17.3
30°	17.1
32.5°	17.1
35°	17.3
37.5°	17.4
40°	17.8
42.5°	18.0
45°	18.4
47.5°	18.8
50°	19.1
52.5°	19.4
55°	19.8
57.5°	20.2
60°	20.5
62.5°	20.8
65°	21.1
67.5°	21.3
70°	21.5
72.5°	21.6
75°	21.7
77.5°	21.6
80°	21.6
82.5°	21.6
85°	21.7
87.5°	21.7
90°	21.7
92.5°	21.7
95°	21.7
97.5°	21.7
100°	21.6
102.5°	21.5
105°	21.3
107.5°	21.1
110°	20.8



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	20.5
115°	20.1
117.5°	19.7
120°	19.2
122.5°	18.8
125°	18.3
127.5°	17.8
130°	17.1
132.5°	16.6
135°	16.0
137.5°	15.2
140°	14.6
142.5°	14.0
145°	13.2
147.5°	12.6
150°	11.9
152.5°	11.2
155°	10.5
157.5°	9.8
160°	9.0
162.5°	8.1
165°	7.1
167.5°	5.7
170°	3.9
172.5°	2.4
175°	1.0
177.5°	0.3
180°	0.1



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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	1.9	2.9	2.8	3.8	5.0	1.9	2.9	2.8	3.8	5.0
	3H	4.9	5.8	5.8	6.8	8.0	4.9	5.8	5.8	6.8	8.0
	4H	6.3	7.2	7.2	8.2	9.4	6.3	7.2	7.2	8.2	9.4
	6H	7.7	8.6	8.6	9.5	10.7	7.7	8.6	8.6	9.5	10.7
	8H	8.4	9.2	9.3	10.2	11.4	8.4	9.2	9.3	10.2	11.4
	12H	9.0	9.8	10.0	10.8	12.0	9.0	9.8	10.0	10.8	12.0
4H	2H	2.7	3.6	3.6	4.5	5.7	2.7	3.6	3.6	4.5	5.7
	3H	5.8	6.6	6.8	7.6	8.8	5.8	6.6	6.8	7.6	8.8
	4H	7.4	8.2	8.3	9.1	10.4	7.4	8.2	8.3	9.1	10.4
	6H	9.0	9.6	9.9	10.6	11.9	9.0	9.6	9.9	10.6	11.9
	8H	9.7	10.4	10.7	11.3	12.6	9.7	10.4	10.7	11.3	12.6
	12H	10.5	11.1	11.5	12.1	13.3	10.5	11.1	11.5	12.1	13.3
8H	4H	7.9	8.6	8.9	9.5	10.8	7.9	8.6	8.9	9.5	10.8
	6H	9.7	10.2	10.7	11.2	12.5	9.7	10.2	10.7	11.2	12.5
	8H	10.6	11.1	11.6	12.1	13.3	10.6	11.1	11.6	12.1	13.3
	12H	11.5	12.0	12.5	13.0	14.3	11.5	12.0	12.5	13.0	14.3
12H	4H	8.0	8.6	9.0	9.6	10.9	8.0	8.6	9.0	9.6	10.9
	6H	9.9	10.4	10.8	11.4	12.6	9.9	10.4	10.8	11.4	12.6
	8H	10.9	11.3	11.8	12.3	13.6	10.9	11.3	11.8	12.3	13.6

(END OF REPORT)