

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: P1245098

Luminaire Tested: PRLX-NIM-L-940-02L-U-WO

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245098
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-NIM-L-940-02L-U-WO
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, WOVEN OVAL SHADE TEXTURE LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

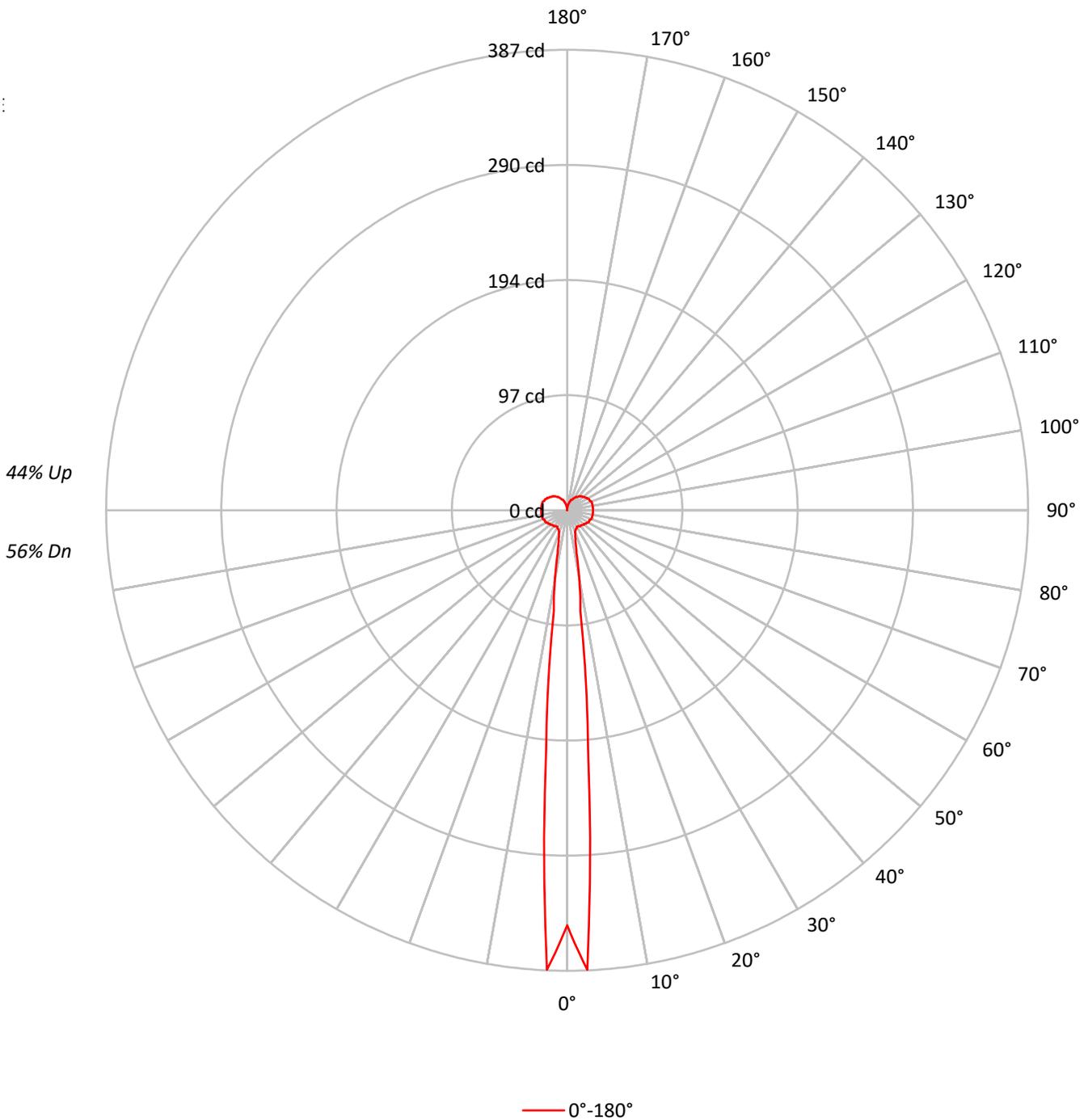
Lumens per Lamp: N/A
Luminaire Lumens: 252.2 lumens
Efficiency: N/A
Efficacy: 45.0 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	56
1	95	89	83	78	87	82	77	73	70	66	62	58	55	53	48	45	43	38
2	85	76	68	61	78	70	63	57	59	54	49	49	45	42	40	37	34	30
3	77	66	57	50	71	61	53	47	52	45	40	43	38	34	35	31	28	24
4	71	58	49	42	65	54	46	40	46	39	34	38	33	29	31	27	24	20
5	65	52	43	36	60	48	40	34	41	35	30	34	29	25	28	24	21	18
6	60	47	38	32	55	44	36	30	37	31	26	31	26	22	26	22	19	16
7	56	43	34	28	51	40	32	27	34	28	23	29	24	20	24	20	17	14
8	52	39	31	25	48	36	29	24	32	25	21	27	22	18	23	19	16	13
9	49	36	28	23	45	34	27	22	29	23	19	25	20	17	21	17	15	12
10	46	33	26	21	43	31	25	20	27	22	18	24	19	16	20	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	11032
5°	4995
10°	1190
15°	472
20°	299
25°	238
30°	204
35°	190
40°	190
45°	181
50°	184
55°	189
60°	195
65°	192
70°	200
75°	200
80°	201
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°	14.8	5.9
10°-20°	8.4	3.3
20°-30°	8.2	3.2
30°-40°	10.5	4.1
40°-50°	13.7	5.4
50°-60°	17.3	6.8
60°-70°	20.6	8.2
70°-80°	23.0	9.1
80°-90°	23.7	9.4
90°-100°	23.7	9.4
100°-110°	23.0	9.1
110°-120°	20.5	8.1
120°-130°	16.8	6.7
130°-140°	12.8	5.1
140°-150°	8.6	3.4
150°-160°	4.7	1.9
160°-170°	1.9	0.8
170°-180°	0.2	0.1
0°-30°	31.3	12.4
0°-40°	41.8	16.6
0°-60°	72.8	28.9
0°-90°	140.0	55.5
90°-120°	67.1	26.6
90°-150°	105.3	41.8
90°-180°	112.0	44.4
0°-180°	252.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	349	
5°	202	15
15°	27	8
25°	17	8
35°	16	10
45°	17	14
55°	20	17
65°	21	21
75°	22	23
85°	22	18
90°	22	12
95°	22	18
105°	22	23
115°	21	20
125°	18	17
135°	16	13
145°	14	9
155°	10	5
165°	6	2
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	348.7
2.5°	386.6
5°	202.5
7.5°	85.5
10°	58.5
12.5°	36.8
15°	27.1
17.5°	22.7
20°	19.5
22.5°	18.4
25°	17.3
27.5°	17.3
30°	16.2
32.5°	16.2
35°	16.2
37.5°	17.3
40°	17.3
42.5°	17.3
45°	17.3
47.5°	18.4
50°	18.4
52.5°	18.4
55°	19.5
57.5°	19.5
60°	20.6
62.5°	20.6
65°	20.6
67.5°	20.6
70°	21.7
72.5°	21.7
75°	21.7
77.5°	21.7
80°	21.7
82.5°	21.7
85°	21.7
87.5°	21.7
90°	21.7
92.5°	21.7
95°	21.7
97.5°	21.7
100°	21.7
102.5°	21.7
105°	21.7
107.5°	21.7
110°	21.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	20.6
115°	20.6
117.5°	20.6
120°	19.5
122.5°	19.5
125°	18.4
127.5°	18.4
130°	17.3
132.5°	17.3
135°	16.2
137.5°	16.2
140°	15.2
142.5°	14.1
145°	14.1
147.5°	13.0
150°	11.9
152.5°	10.8
155°	9.7
157.5°	9.7
160°	8.7
162.5°	7.6
165°	6.5
167.5°	5.4
170°	4.3
172.5°	3.2
175°	1.1
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	1.7	2.7	2.5	3.6	4.8	1.7	2.7	2.5	3.6	4.8
	3H	4.7	5.7	5.6	6.6	7.8	4.7	5.7	5.6	6.6	7.8
	4H	6.2	7.1	7.1	8.1	9.3	6.2	7.1	7.1	8.1	9.3
	6H	7.7	8.5	8.6	9.5	10.7	7.7	8.5	8.6	9.5	10.7
	8H	8.3	9.2	9.3	10.1	11.3	8.3	9.2	9.3	10.1	11.3
	12H	9.0	9.8	9.9	10.7	12.0	9.0	9.8	9.9	10.7	12.0
4H	2H	2.5	3.4	3.4	4.3	5.5	2.5	3.4	3.4	4.3	5.5
	3H	5.7	6.5	6.6	7.5	8.7	5.7	6.5	6.6	7.5	8.7
	4H	7.3	8.1	8.3	9.0	10.3	7.3	8.1	8.3	9.0	10.3
	6H	8.9	9.6	9.9	10.6	11.8	8.9	9.6	9.9	10.6	11.8
	8H	9.7	10.3	10.7	11.3	12.6	9.7	10.3	10.7	11.3	12.6
	12H	10.5	11.0	11.4	12.0	13.3	10.5	11.0	11.4	12.0	13.3
8H	4H	7.9	8.5	8.8	9.5	10.7	7.9	8.5	8.8	9.5	10.7
	6H	9.7	10.2	10.6	11.2	12.5	9.7	10.2	10.6	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	8.9	9.5	10.8	8.0	8.6	8.9	9.5	10.8
	6H	9.9	10.3	10.8	11.3	12.6	9.9	10.3	10.8	11.3	12.6
	8H	10.8	11.3	11.8	12.3	13.6	10.8	11.3	11.8	12.3	13.6

(END OF REPORT)