

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: P1244856

Luminaire Tested: PRLX-MIN-L-940-02L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244856
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-940-02L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE
LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

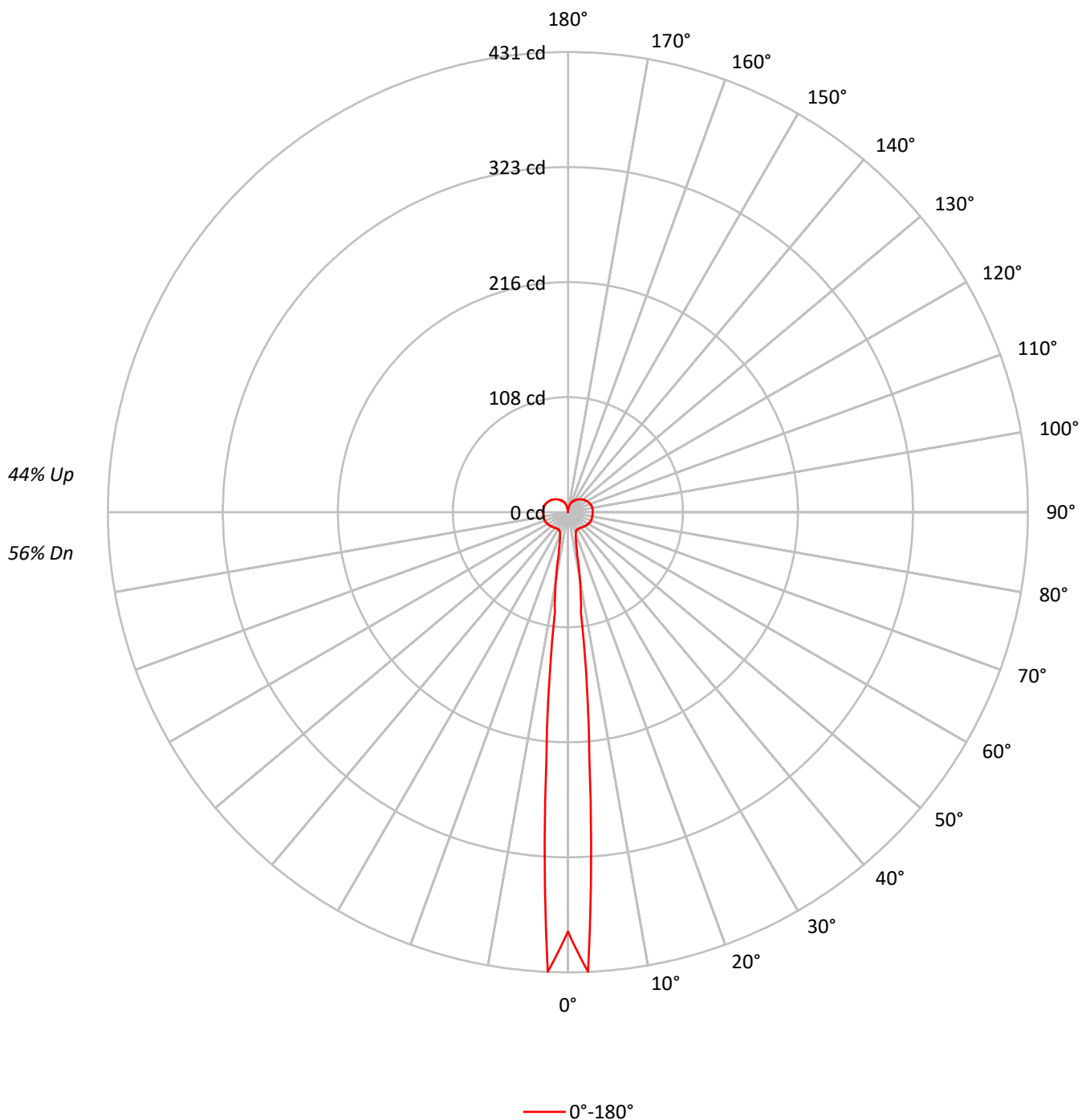
Lumens per Lamp: N/A
Luminaire Lumens: 271.0 lumens
Efficiency: N/A
Efficacy: 48.4 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 5.6
Input Voltage (V): NR
Input Current (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
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	36		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°	12427
5°	5698
10°	1328
15°	507
20°	328
25°	261
30°	232
35°	216
40°	209
45°	206
50°	204
55°	205
60°	207
65°	210
70°	212
75°	215
80°	214
85°	219

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 90°
Luminance: 224 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.6	6.1
10°-20°	9.1	3.4
20°-30°	8.9	3.3
30°-40°	11.7	4.3
40°-50°	15.3	5.6
50°-60°	19.0	7.0
60°-70°	22.4	8.3
70°-80°	24.5	9.0
80°-90°	25.3	9.4
90°-100°	25.4	9.4
100°-110°	24.1	8.9
110°-120°	21.3	7.9
120°-130°	17.5	6.5
130°-140°	13.2	4.9
140°-150°	9.0	3.3
150°-160°	5.3	1.9
160°-170°	2.2	0.8
170°-180°	0.2	0.1
0°-30°	34.6	12.8
0°-40°	46.2	17.1
0°-60°	80.5	29.7
0°-90°	152.8	56.4
90°-120°	70.8	26.1
90°-150°	110.6	40.8
90°-180°	118.0	43.5
0°-180°	271.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	393	
5°	231	17
15°	29	9
25°	19	9
35°	18	12
45°	20	15
55°	21	19
65°	23	22
75°	23	24
85°	23	19
90°	23	13
95°	23	19
105°	23	24
115°	22	21
125°	20	18
135°	17	13
145°	14	9
155°	11	5
165°	8	2
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	392.8
2.5°	430.9
5°	231.0
7.5°	94.0
10°	65.3
12.5°	40.0
15°	29.1
17.5°	24.2
20°	21.4
22.5°	19.9
25°	18.9
27.5°	18.5
30°	18.4
32.5°	18.4
35°	18.5
37.5°	18.6
40°	19.0
42.5°	19.3
45°	19.7
47.5°	20.1
50°	20.4
52.5°	20.8
55°	21.2
57.5°	21.6
60°	21.9
62.5°	22.3
65°	22.6
67.5°	22.9
70°	23.0
72.5°	23.1
75°	23.3
77.5°	23.1
80°	23.1
82.5°	23.1
85°	23.3
87.5°	23.3
90°	23.3
92.5°	23.3
95°	23.3
97.5°	23.3
100°	23.1
102.5°	23.0
105°	22.9
107.5°	22.6
110°	22.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	21.9
115°	21.5
117.5°	21.1
120°	20.5
122.5°	20.1
125°	19.6
127.5°	19.0
130°	18.4
132.5°	17.8
135°	17.1
137.5°	16.3
140°	15.6
142.5°	15.0
145°	14.2
147.5°	13.5
150°	12.8
152.5°	12.0
155°	11.3
157.5°	10.5
160°	9.7
162.5°	8.7
165°	7.6
167.5°	6.1
170°	4.2
172.5°	2.6
175°	1.1
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	2.1	3.2	3.0	4.1	5.2	2.1	3.2	3.0	4.1	5.2
	3H	5.1	6.1	6.0	7.0	8.2	5.1	6.1	6.0	7.0	8.2
	4H	6.6	7.5	7.5	8.4	9.6	6.6	7.5	7.5	8.4	9.6
	6H	8.0	8.8	8.9	9.7	11.0	8.0	8.8	8.9	9.7	11.0
	8H	8.6	9.4	9.5	10.4	11.6	8.6	9.4	9.5	10.4	11.6
	12H	9.3	10.1	10.2	11.0	12.3	9.3	10.1	10.2	11.0	12.3
4H	2H	2.9	3.8	3.8	4.7	5.9	2.9	3.8	3.8	4.7	5.9
	3H	6.1	6.9	7.0	7.8	9.0	6.1	6.9	7.0	7.8	9.0
	4H	7.7	8.4	8.6	9.4	10.6	7.7	8.4	8.6	9.4	10.6
	6H	9.2	9.9	10.2	10.9	12.1	9.2	9.9	10.2	10.9	12.1
	8H	10.0	10.6	10.9	11.6	12.8	10.0	10.6	10.9	11.6	12.8
	12H	10.7	11.3	11.7	12.3	13.6	10.7	11.3	11.7	12.3	13.6
8H	4H	8.2	8.8	9.1	9.8	11.0	8.2	8.8	9.1	9.8	11.0
	6H	9.9	10.5	10.9	11.5	12.7	9.9	10.5	10.9	11.5	12.7
	8H	10.8	11.3	11.8	12.3	13.6	10.8	11.3	11.8	12.3	13.6
	12H	11.8	12.2	12.7	13.2	14.5	11.8	12.2	12.7	13.2	14.5
12H	4H	8.3	8.9	9.2	9.8	11.1	8.3	8.9	9.2	9.8	11.1
	6H	10.1	10.6	11.1	11.6	12.9	10.1	10.6	11.1	11.6	12.9
	8H	11.1	11.5	12.1	12.5	13.8	11.1	11.5	12.1	12.5	13.8

(END OF REPORT)