

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: P1244925

Luminaire Tested: PRLX-MIN-M-940-01L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244925
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-MIN-M-940-01L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, OPEN WEAVE SHADE TEXTU
LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

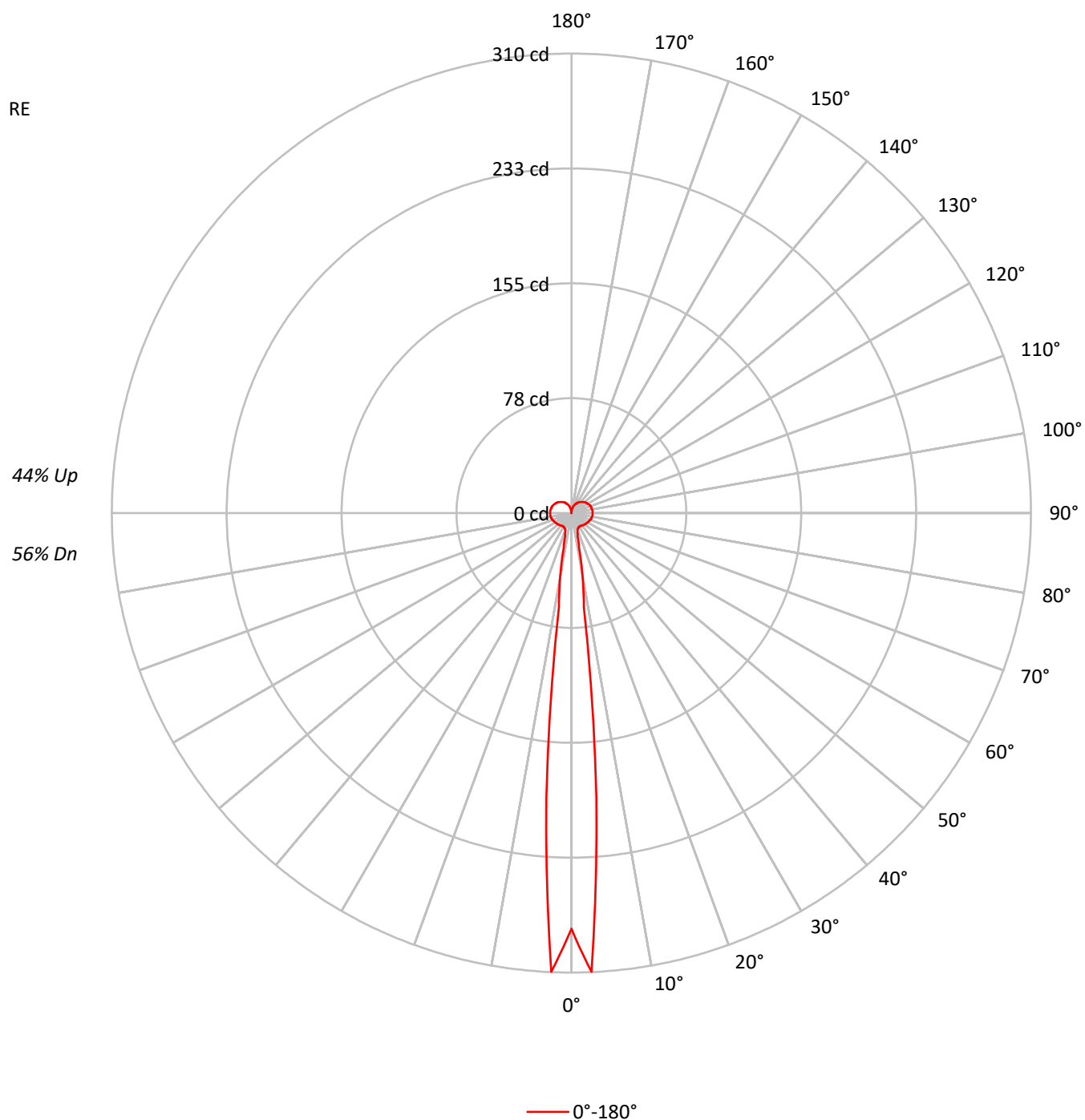
Lumens per Lamp: N/A
Luminaire Lumens: 165.1 lumens
Efficiency: N/A
Efficacy: 26.2 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 6.3
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	0		
RCR																				
0	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	56		
1	95	89	84	79	88	82	78	73	70	66	63	59	56	53	48	46	44	39		
2	86	76	69	62	79	71	64	58	60	55	50	50	46	42	41	38	35	31		
3	78	67	58	51	71	62	54	48	52	46	41	44	39	35	36	32	29	25		
4	71	59	50	43	65	55	47	41	47	40	35	39	34	30	32	28	25	22		
5	66	53	44	37	60	49	41	35	42	36	31	36	31	27	29	26	22	19		
6	61	48	39	33	56	45	37	31	38	32	27	33	28	24	27	23	20	17		
7	57	44	35	29	52	41	33	28	35	29	25	30	25	22	25	21	19	16		
8	53	40	32	27	49	38	30	25	33	27	22	28	23	20	24	20	17	15		
9	50	37	29	24	46	35	28	23	31	25	21	26	22	18	23	19	16	14		
10	47	35	27	22	44	33	26	21	29	23	19	25	20	17	21	18	15	13		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	14370
5°	7265
10°	1303
15°	415
20°	259
25°	211
30°	184
35°	169
40°	163
45°	159
50°	157
55°	156
60°	157
65°	158
70°	162
75°	166
80°	168
85°	172

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 175 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.3	7.5
10°-20°	5.4	3.3
20°-30°	5.1	3.1
30°-40°	6.7	4.1
40°-50°	8.8	5.4
50°-60°	11.0	6.6
60°-70°	12.9	7.8
70°-80°	14.7	8.9
80°-90°	15.6	9.4
90°-100°	15.6	9.4
100°-110°	14.8	8.9
110°-120°	13.1	7.9
120°-130°	10.8	6.6
130°-140°	8.2	5.0
140°-150°	5.6	3.4
150°-160°	3.1	1.9
160°-170°	1.3	0.8
170°-180°	0.1	0.1
0°-30°	22.9	13.8
0°-40°	29.6	17.9
0°-60°	49.4	29.9
0°-90°	92.6	56.0
90°-120°	43.5	26.3
90°-150°	68.1	41.2
90°-180°	73.0	44.2
0°-180°	165.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	280	
5°	193	12
15°	17	5
25°	11	5
35°	11	7
45°	11	9
55°	12	11
65°	13	13
75°	14	15
85°	14	12
90°	14	8
95°	14	12
105°	14	15
115°	13	13
125°	12	11
135°	11	8
145°	9	6
155°	7	3
165°	4	1
175°	0	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	280.4
2.5°	309.8
5°	192.9
7.5°	63.9
10°	43.5
12.5°	23.8
15°	16.6
17.5°	13.7
20°	12.0
22.5°	11.4
25°	11.0
27.5°	10.6
30°	10.6
32.5°	10.6
35°	10.6
37.5°	10.8
40°	11.0
42.5°	11.2
45°	11.4
47.5°	11.6
50°	11.8
52.5°	12.0
55°	12.2
57.5°	12.4
60°	12.6
62.5°	12.8
65°	13.0
67.5°	13.2
70°	13.5
72.5°	13.7
75°	13.9
77.5°	14.1
80°	14.1
82.5°	14.3
85°	14.3
87.5°	14.3
90°	14.3
92.5°	14.3
95°	14.3
97.5°	14.3
100°	14.1
102.5°	14.1
105°	13.9
107.5°	13.9
110°	13.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	13.5
115°	13.2
117.5°	13.0
120°	12.6
122.5°	12.4
125°	12.0
127.5°	11.8
130°	11.4
132.5°	11.0
135°	10.6
137.5°	10.1
140°	9.7
142.5°	9.3
145°	8.9
147.5°	8.5
150°	7.9
152.5°	7.2
155°	6.8
157.5°	6.2
160°	5.6
162.5°	5.2
165°	4.3
167.5°	3.5
170°	2.5
172.5°	1.4
175°	0.4
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	0.9	2.0	1.8	2.9	4.0	0.9	2.0	1.8	2.9	4.0
	3H	4.0	4.9	4.9	5.8	7.0	4.0	4.9	4.9	5.8	7.0
	4H	5.5	6.4	6.4	7.3	8.5	5.5	6.4	6.4	7.3	8.5
	6H	7.0	7.8	7.9	8.7	10.0	7.0	7.8	7.9	8.7	10.0
	8H	7.7	8.5	8.6	9.4	10.6	7.7	8.5	8.6	9.4	10.6
	12H	8.3	9.1	9.3	10.1	11.3	8.3	9.1	9.3	10.1	11.3
4H	2H	1.7	2.6	2.6	3.5	4.7	1.7	2.6	2.6	3.5	4.7
	3H	4.9	5.7	5.8	6.7	7.9	4.9	5.7	5.8	6.7	7.9
	4H	6.6	7.3	7.5	8.3	9.5	6.6	7.3	7.5	8.3	9.5
	6H	8.2	8.9	9.2	9.9	11.1	8.2	8.9	9.2	9.9	11.1
	8H	9.0	9.6	10.0	10.6	11.9	9.0	9.6	10.0	10.6	11.9
	12H	9.8	10.4	10.8	11.4	12.6	9.8	10.4	10.8	11.4	12.6
8H	4H	7.1	7.7	8.1	8.7	10.0	7.1	7.7	8.1	8.7	10.0
	6H	9.0	9.5	9.9	10.5	11.8	9.0	9.5	9.9	10.5	11.8
	8H	9.9	10.4	10.9	11.4	12.7	9.9	10.4	10.9	11.4	12.7
	12H	10.9	11.3	11.9	12.3	13.6	10.9	11.3	11.9	12.3	13.6
12H	4H	7.2	7.8	8.2	8.8	10.0	7.2	7.8	8.2	8.8	10.0
	6H	9.2	9.6	10.1	10.6	11.9	9.2	9.6	10.1	10.6	11.9
	8H	10.2	10.6	11.2	11.6	12.9	10.2	10.6	11.2	11.6	12.9

(END OF REPORT)