

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: P1245200

Luminaire Tested: PRLX-NIM-M-940-06L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245200
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-NIM-M-940-06L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, NATURAL LINES SHADE TEXT LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

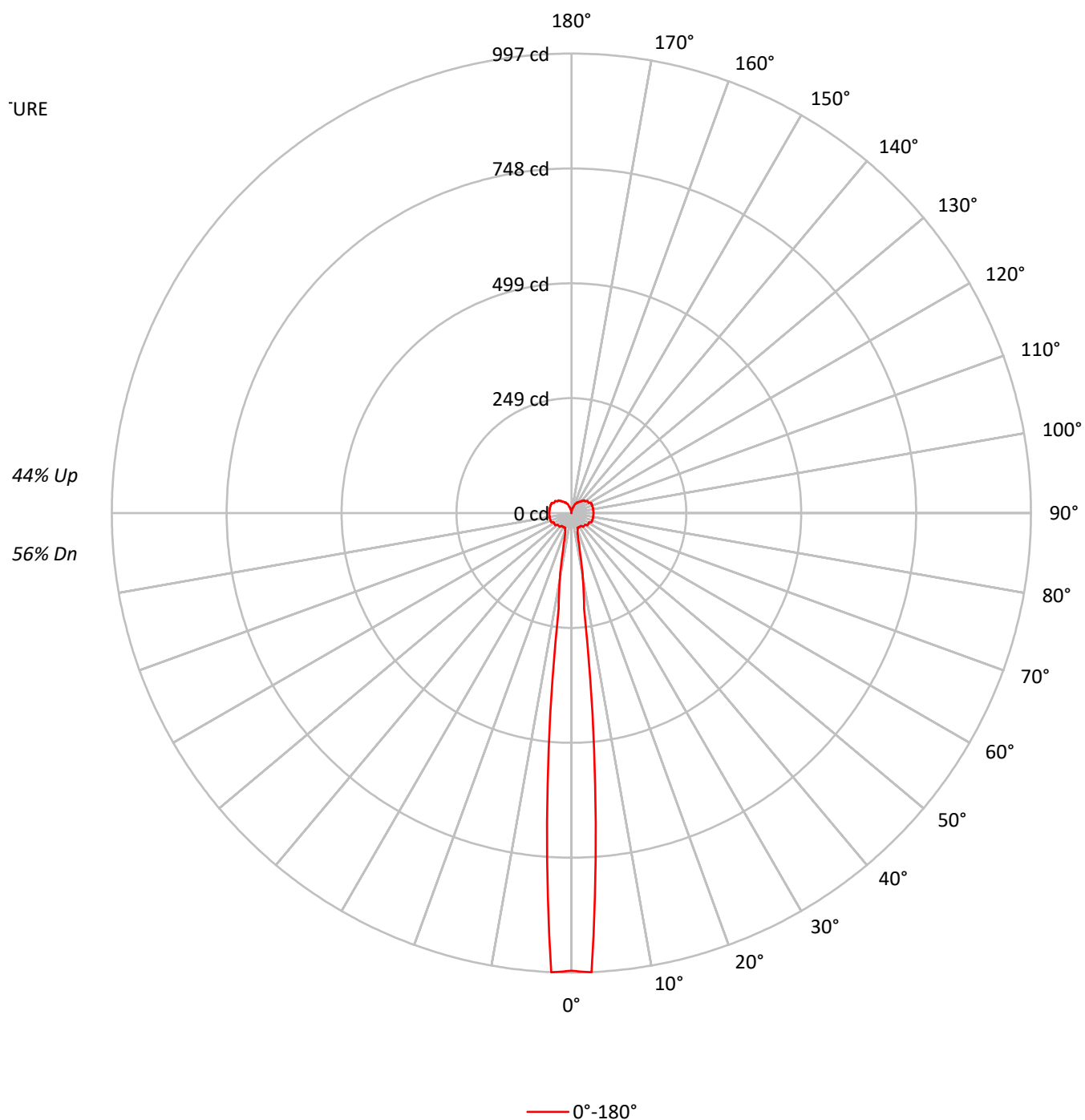
Lumens per Lamp: N/A
Luminaire Lumens: 565.0 lumens
Efficiency: N/A
Efficacy: 26.5 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 21.3
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	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	56		
1	95	89	83	78	88	82	77	73	70	66	63	58	55	53	48	46	44	38		
2	85	76	68	62	78	70	63	58	60	54	50	50	46	42	40	37	35	30		
3	77	66	58	51	71	61	54	47	52	46	41	43	39	35	35	32	29	25		
4	71	59	50	43	65	54	46	40	46	40	35	39	34	30	32	28	25	21		
5	65	52	43	37	60	49	41	35	42	35	30	35	30	26	29	25	22	18		
6	60	47	39	32	56	44	36	30	38	32	27	32	27	23	27	23	20	17		
7	56	43	35	29	52	40	33	27	35	29	24	30	25	21	25	21	18	15		
8	53	40	32	26	49	37	30	25	32	26	22	28	23	19	23	19	17	14		
9	49	37	29	24	46	34	27	22	30	24	20	26	21	18	22	18	15	13		
10	47	34	27	22	43	32	25	21	28	22	19	24	20	17	21	17	15	13		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	50889
5°	22307
10°	4304
15°	1416
20°	848
25°	667
30°	603
35°	554
40°	582
45°	548
50°	522
55°	559
60°	542
65°	583
70°	575
75°	571
80°	572
85°	577

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 587 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.5	7.0
10°-20°	18.1	3.2
20°-30°	16.3	2.9
30°-40°	22.2	3.9
40°-50°	30.4	5.4
50°-60°	38.6	6.8
60°-70°	46.0	8.1
70°-80°	50.7	9.0
80°-90°	52.3	9.3
90°-100°	52.3	9.3
100°-110°	50.7	9.0
110°-120°	47.0	8.3
120°-130°	38.6	6.8
130°-140°	29.1	5.2
140°-150°	18.6	3.3
150°-160°	10.7	1.9
160°-170°	3.5	0.6
170°-180°	0.3	0.1
0°-30°	73.9	13.1
0°-40°	96.2	17.0
0°-60°	165.2	29.2
0°-90°	314.1	55.6
90°-120°	150.0	26.5
90°-150°	236.3	41.8
90°-180°	251.0	44.4
0°-180°	565.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	993	
5°	592	40
15°	57	18
25°	35	16
35°	35	22
45°	39	30
55°	44	39
65°	48	46
75°	48	51
85°	48	39
90°	48	26
95°	48	39
105°	48	51
115°	48	47
125°	44	39
135°	39	29
145°	30	19
155°	22	11
165°	13	4
175°	0	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	993.0
2.5°	997.4
5°	592.3
7.5°	209.1
10°	143.7
12.5°	82.8
15°	56.6
17.5°	43.6
20°	39.2
22.5°	34.8
25°	34.8
27.5°	34.8
30°	34.8
32.5°	34.8
35°	34.8
37.5°	34.8
40°	39.2
42.5°	39.2
45°	39.2
47.5°	39.2
50°	39.2
52.5°	43.6
55°	43.6
57.5°	43.6
60°	43.6
62.5°	43.6
65°	47.9
67.5°	47.9
70°	47.9
72.5°	47.9
75°	47.9
77.5°	47.9
80°	47.9
82.5°	47.9
85°	47.9
87.5°	47.9
90°	47.9
92.5°	47.9
95°	47.9
97.5°	47.9
100°	47.9
102.5°	47.9
105°	47.9
107.5°	47.9
110°	47.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	47.9
115°	47.9
117.5°	47.9
120°	43.6
122.5°	43.6
125°	43.6
127.5°	43.6
130°	39.2
132.5°	39.2
135°	39.2
137.5°	34.8
140°	34.8
142.5°	30.5
145°	30.5
147.5°	26.1
150°	26.1
152.5°	26.1
155°	21.8
157.5°	21.8
160°	17.4
162.5°	13.1
165°	13.1
167.5°	8.7
170°	8.7
172.5°	4.4
175°	0.0
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	5.4	6.4	6.2	7.3	8.5	5.4	6.4	6.2	7.3	8.5
	3H	8.5	9.4	9.4	10.4	11.6	8.5	9.4	9.4	10.4	11.6
	4H	9.9	10.8	10.8	11.8	13.0	9.9	10.8	10.8	11.8	13.0
	6H	11.3	12.2	12.2	13.1	14.3	11.3	12.2	12.2	13.1	14.3
	8H	12.0	12.8	12.9	13.8	15.0	12.0	12.8	12.9	13.8	15.0
	12H	12.6	13.4	13.6	14.4	15.6	12.6	13.4	13.6	14.4	15.6
4H	2H	6.2	7.1	7.1	8.1	9.3	6.2	7.1	7.1	8.1	9.3
	3H	9.5	10.3	10.4	11.2	12.4	9.5	10.3	10.4	11.2	12.4
	4H	11.0	11.8	12.0	12.7	14.0	11.0	11.8	12.0	12.7	14.0
	6H	12.6	13.2	13.5	14.2	15.5	12.6	13.2	13.5	14.2	15.5
	8H	13.3	14.0	14.3	14.9	16.2	13.3	14.0	14.3	14.9	16.2
	12H	14.1	14.7	15.1	15.7	16.9	14.1	14.7	15.1	15.7	16.9
8H	4H	11.5	12.2	12.5	13.1	14.4	11.5	12.2	12.5	13.1	14.4
	6H	13.3	13.8	14.3	14.8	16.1	13.3	13.8	14.3	14.8	16.1
	8H	14.2	14.7	15.2	15.7	17.0	14.2	14.7	15.2	15.7	17.0
	12H	15.1	15.6	16.1	16.6	17.9	15.1	15.6	16.1	16.6	17.9
12H	4H	11.6	12.2	12.6	13.2	14.5	11.6	12.2	12.6	13.2	14.5
	6H	13.5	14.0	14.5	15.0	16.3	13.5	14.0	14.5	15.0	16.3
	8H	14.5	14.9	15.4	15.9	17.2	14.5	14.9	15.4	15.9	17.2

(END OF REPORT)