

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: P1244933

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244933
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-940-06L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, NATURAL LINES SHADE TEXT LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

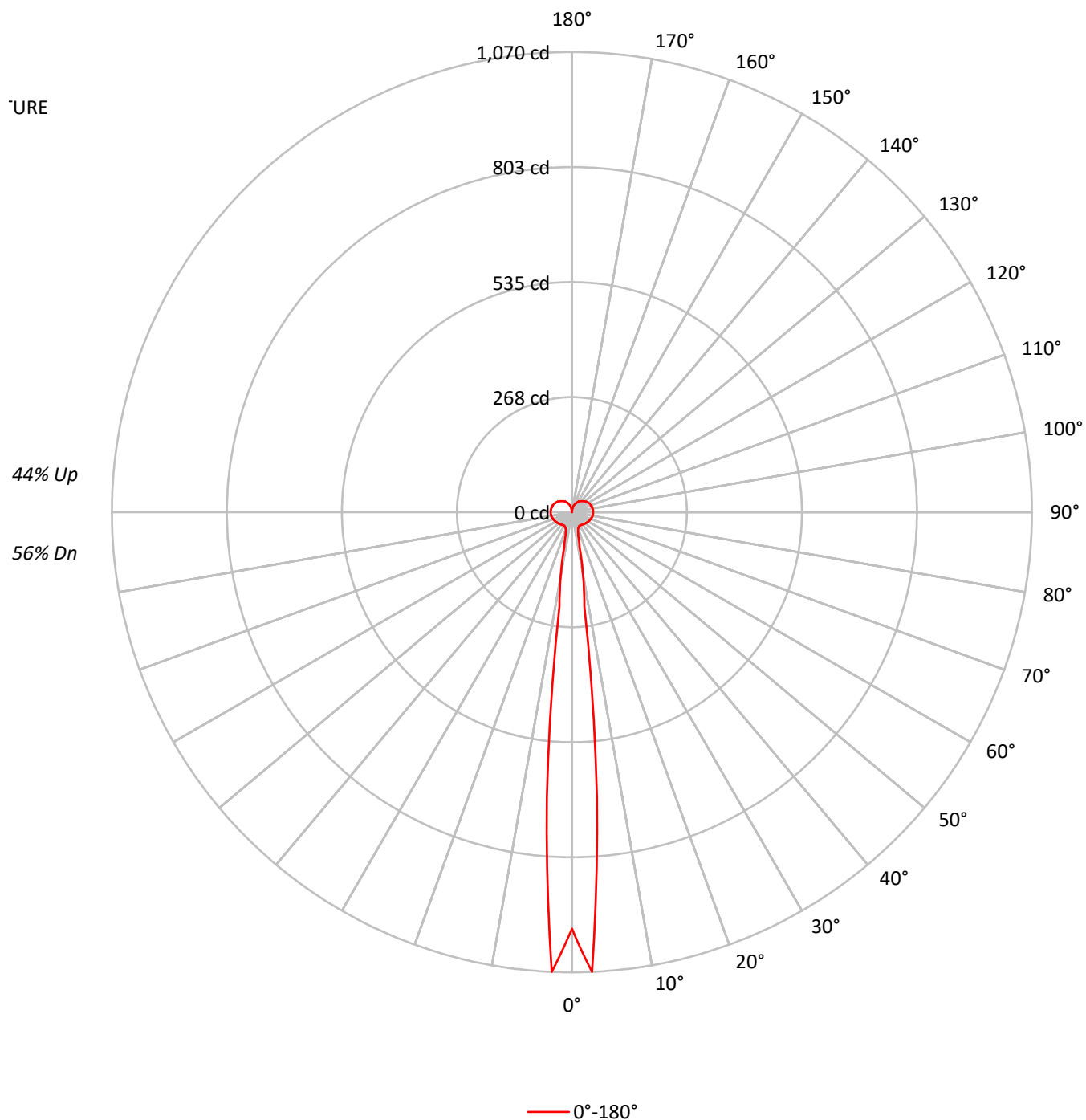
Lumens per Lamp: N/A
Luminaire Lumens: 570.0 lumens
Efficiency: N/A
Efficacy: 26.8 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 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	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°	49643
5°	25095
10°	4496
15°	1431
20°	897
25°	726
30°	633
35°	581
40°	562
45°	550
50°	542
55°	541
60°	542
65°	547
70°	558
75°	571
80°	580
85°	594

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 604 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.6	7.5
10°-20°	18.7	3.3
20°-30°	17.6	3.1
30°-40°	23.2	4.1
40°-50°	30.5	5.3
50°-60°	37.9	6.6
60°-70°	44.7	7.8
70°-80°	50.6	8.9
80°-90°	53.7	9.4
90°-100°	53.7	9.4
100°-110°	50.9	8.9
110°-120°	45.4	8.0
120°-130°	37.4	6.6
130°-140°	28.3	5.0
140°-150°	19.3	3.4
150°-160°	10.9	1.9
160°-170°	4.3	0.8
170°-180°	0.4	0.1
0°-30°	78.9	13.8
0°-40°	102.1	17.9
0°-60°	170.4	29.9
0°-90°	319.4	56.0
90°-120°	149.9	26.3
90°-150°	234.9	41.2
90°-180°	251.0	44.0
0°-180°	570.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	969	
5°	666	43
15°	57	19
25°	38	18
35°	36	23
45°	39	30
55°	42	38
65°	45	45
75°	48	51
85°	49	40
90°	49	27
95°	49	40
105°	48	51
115°	46	45
125°	42	37
135°	36	28
145°	31	19
155°	24	11
165°	15	4
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	968.7
2.5°	1070.2
5°	666.3
7.5°	220.9
10°	150.1
12.5°	82.2
15°	57.2
17.5°	47.2
20°	41.5
22.5°	39.3
25°	37.9
27.5°	36.5
30°	36.5
32.5°	36.5
35°	36.5
37.5°	37.2
40°	37.9
42.5°	38.6
45°	39.3
47.5°	40.0
50°	40.7
52.5°	41.5
55°	42.2
57.5°	42.9
60°	43.6
62.5°	44.3
65°	45.0
67.5°	45.8
70°	46.5
72.5°	47.2
75°	47.9
77.5°	48.6
80°	48.6
82.5°	49.3
85°	49.3
87.5°	49.3
90°	49.3
92.5°	49.3
95°	49.3
97.5°	49.3
100°	48.6
102.5°	48.6
105°	47.9
107.5°	47.9
110°	47.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	46.5
115°	45.8
117.5°	45.0
120°	43.6
122.5°	42.9
125°	41.5
127.5°	40.7
130°	39.3
132.5°	37.9
135°	36.5
137.5°	35.0
140°	33.6
142.5°	32.2
145°	30.7
147.5°	29.3
150°	27.2
152.5°	25.0
155°	23.6
157.5°	21.4
160°	19.3
162.5°	17.9
165°	15.0
167.5°	12.2
170°	8.6
172.5°	5.0
175°	1.4
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	5.2	6.3	6.1	7.2	8.4	5.2	6.3	6.1	7.2	8.4
	3H	8.3	9.2	9.2	10.2	11.4	8.3	9.2	9.2	10.2	11.4
	4H	9.8	10.7	10.7	11.6	12.8	9.8	10.7	10.7	11.6	12.8
	6H	11.3	12.1	12.2	13.0	14.3	11.3	12.1	12.2	13.0	14.3
	8H	12.0	12.8	12.9	13.7	14.9	12.0	12.8	12.9	13.7	14.9
	12H	12.7	13.4	13.6	14.4	15.6	12.7	13.4	13.6	14.4	15.6
4H	2H	6.0	6.9	6.9	7.9	9.1	6.0	6.9	6.9	7.9	9.1
	3H	9.2	10.0	10.2	11.0	12.2	9.2	10.0	10.2	11.0	12.2
	4H	10.9	11.6	11.8	12.6	13.8	10.9	11.6	11.8	12.6	13.8
	6H	12.5	13.2	13.5	14.2	15.4	12.5	13.2	13.5	14.2	15.4
	8H	13.3	13.9	14.3	14.9	16.2	13.3	13.9	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	11.4	12.0	12.4	13.0	14.3	11.4	12.0	12.4	13.0	14.3
	6H	13.3	13.8	14.2	14.8	16.1	13.3	13.8	14.2	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	15.2	15.6	16.2	16.6	17.9	15.2	15.6	16.2	16.6	17.9
12H	4H	11.5	12.1	12.5	13.1	14.4	11.5	12.1	12.5	13.1	14.4
	6H	13.5	13.9	14.4	14.9	16.2	13.5	13.9	14.4	14.9	16.2
	8H	14.5	14.9	15.5	15.9	17.2	14.5	14.9	15.5	15.9	17.2

(END OF REPORT)