

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: P1244894

Luminaire Tested: PRLX-MIN-M-930-01L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244894
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-930-01L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, NATURAL LINES SHADE TEXT LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

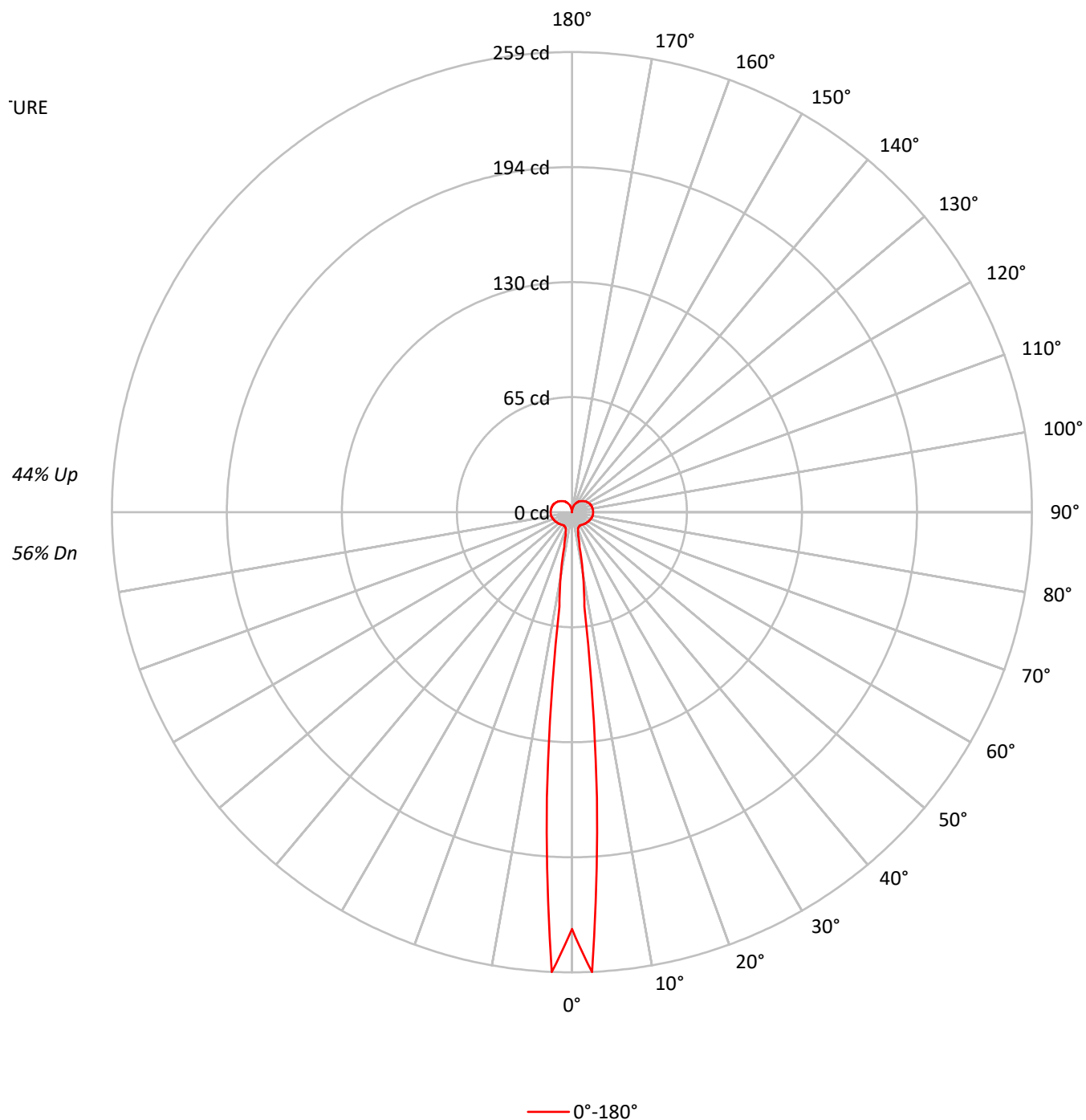
Lumens per Lamp: N/A
Luminaire Lumens: 138.0 lumens
Efficiency: N/A
Efficacy: 21.9 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

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	30		
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	18	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°	12017
5°	6075
10°	1087
15°	345
20°	216
25°	176
30°	153
35°	140
40°	136
45°	133
50°	132
55°	131
60°	132
65°	133
70°	136
75°	138
80°	141
85°	143

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 146 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.3	7.5
10°-20°	4.5	3.3
20°-30°	4.3	3.1
30°-40°	5.6	4.1
40°-50°	7.4	5.3
50°-60°	9.2	6.6
60°-70°	10.8	7.9
70°-80°	12.3	8.9
80°-90°	13.0	9.4
90°-100°	13.0	9.4
100°-110°	12.3	8.9
110°-120°	11.0	8.0
120°-130°	9.1	6.6
130°-140°	6.8	5.0
140°-150°	4.7	3.4
150°-160°	2.6	1.9
160°-170°	1.0	0.8
170°-180°	0.1	0.1
0°-30°	19.1	13.8
0°-40°	24.7	17.9
0°-60°	41.2	29.9
0°-90°	77.3	56.0
90°-120°	36.3	26.3
90°-150°	56.9	41.2
90°-180°	61.0	44.2
0°-180°	138.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	234	
5°	161	10
15°	14	5
25°	9	4
35°	9	6
45°	10	7
55°	10	9
65°	11	11
75°	12	12
85°	12	10
90°	12	7
95°	12	10
105°	12	12
115°	11	11
125°	10	9
135°	9	7
145°	7	5
155°	6	3
165°	4	1
175°	0	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	234.5
2.5°	259.1
5°	161.3
7.5°	53.5
10°	36.3
12.5°	19.9
15°	13.8
17.5°	11.4
20°	10.0
22.5°	9.5
25°	9.2
27.5°	8.8
30°	8.8
32.5°	8.8
35°	8.8
37.5°	9.0
40°	9.2
42.5°	9.3
45°	9.5
47.5°	9.7
50°	9.9
52.5°	10.0
55°	10.2
57.5°	10.4
60°	10.6
62.5°	10.7
65°	10.9
67.5°	11.1
70°	11.3
72.5°	11.4
75°	11.6
77.5°	11.8
80°	11.8
82.5°	11.9
85°	11.9
87.5°	11.9
90°	11.9
92.5°	11.9
95°	11.9
97.5°	11.9
100°	11.8
102.5°	11.8
105°	11.6
107.5°	11.6
110°	11.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	11.3
115°	11.1
117.5°	10.9
120°	10.6
122.5°	10.4
125°	10.0
127.5°	9.9
130°	9.5
132.5°	9.2
135°	8.8
137.5°	8.5
140°	8.1
142.5°	7.8
145°	7.4
147.5°	7.1
150°	6.6
152.5°	6.1
155°	5.7
157.5°	5.2
160°	4.7
162.5°	4.3
165°	3.6
167.5°	2.9
170°	2.1
172.5°	1.2
175°	0.3
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	0.3	1.4	1.2	2.3	3.4	0.3	1.4	1.2	2.3	3.4
	3H	3.4	4.3	4.3	5.2	6.4	3.4	4.3	4.3	5.2	6.4
	4H	4.9	5.8	5.8	6.7	7.9	4.9	5.8	5.8	6.7	7.9
	6H	6.3	7.2	7.3	8.1	9.3	6.3	7.2	7.3	8.1	9.3
	8H	7.0	7.9	8.0	8.8	10.0	7.0	7.9	8.0	8.8	10.0
	12H	7.7	8.5	8.7	9.5	10.7	7.7	8.5	8.7	9.5	10.7
4H	2H	1.1	2.0	2.0	2.9	4.1	1.1	2.0	2.0	2.9	4.1
	3H	4.3	5.1	5.2	6.1	7.3	4.3	5.1	5.2	6.1	7.3
	4H	6.0	6.7	6.9	7.7	8.9	6.0	6.7	6.9	7.7	8.9
	6H	7.6	8.3	8.6	9.2	10.5	7.6	8.3	8.6	9.2	10.5
	8H	8.4	9.0	9.4	10.0	11.3	8.4	9.0	9.4	10.0	11.3
	12H	9.2	9.8	10.2	10.8	12.0	9.2	9.8	10.2	10.8	12.0
8H	4H	6.5	7.1	7.4	8.1	9.3	6.5	7.1	7.4	8.1	9.3
	6H	8.3	8.9	9.3	9.9	11.1	8.3	8.9	9.3	9.9	11.1
	8H	9.3	9.8	10.3	10.8	12.0	9.3	9.8	10.3	10.8	12.0
	12H	10.3	10.7	11.2	11.7	13.0	10.3	10.7	11.2	11.7	13.0
12H	4H	6.6	7.2	7.6	8.2	9.4	6.6	7.2	7.6	8.2	9.4
	6H	8.5	9.0	9.5	10.0	11.3	8.5	9.0	9.5	10.0	11.3
	8H	9.6	10.0	10.5	11.0	12.3	9.6	10.0	10.5	11.0	12.3

(END OF REPORT)