

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: P1244924

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244924
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-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, NATURAL LINES SHADE TEXT LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

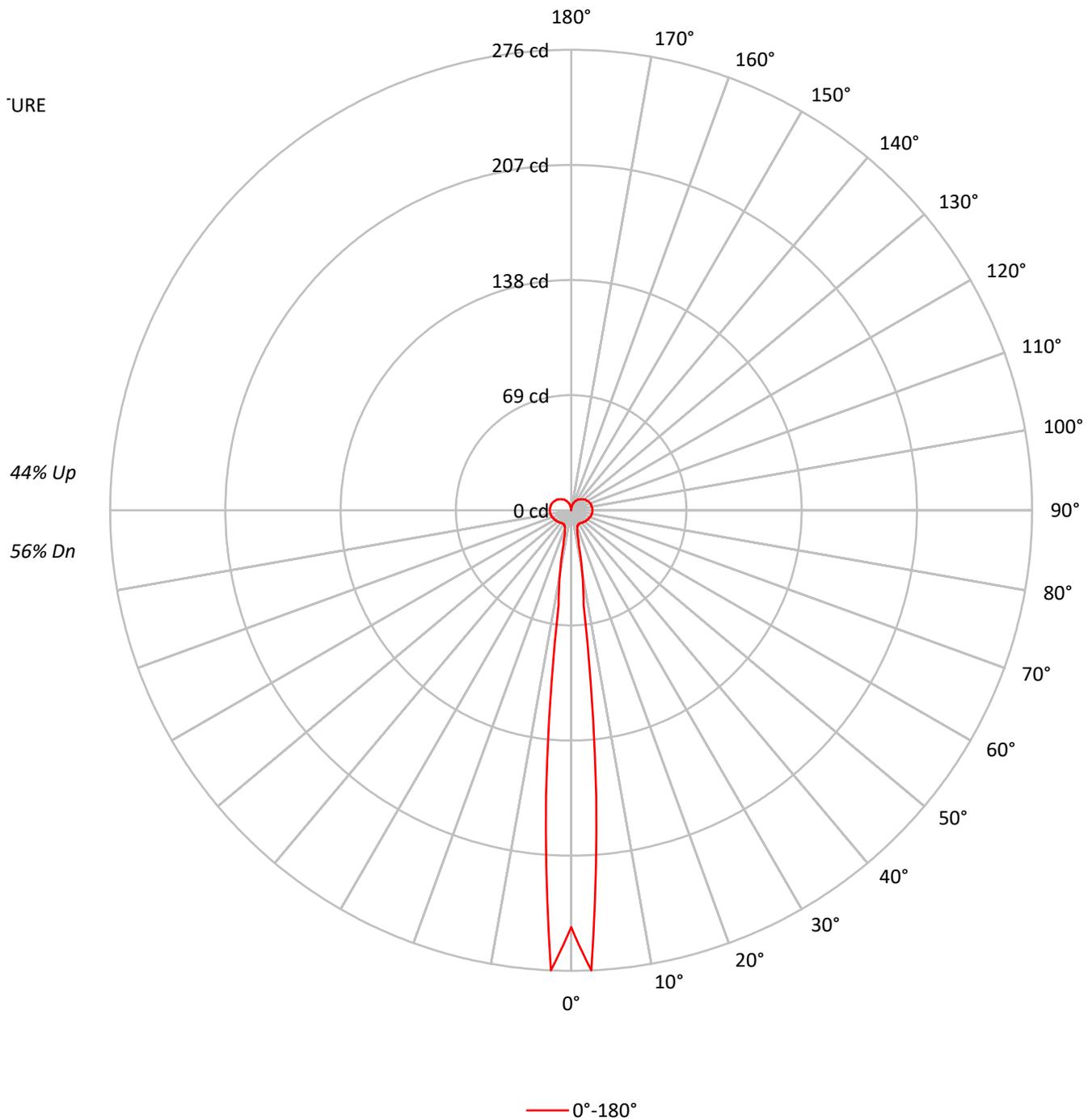
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 147.0 lumens
Efficiency: N/A
Efficacy: 23.3 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 (A_{in}): 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	0
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°	12802
5°	6470
10°	1159
15°	368
20°	231
25°	188
30°	163
35°	150
40°	145
45°	141
50°	140
55°	140
60°	139
65°	141
70°	144
75°	148
80°	149
85°	153

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 156 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.0	7.5
10°-20°	4.8	3.3
20°-30°	4.5	3.1
30°-40°	6.0	4.1
40°-50°	7.9	5.3
50°-60°	9.8	6.7
60°-70°	11.5	7.8
70°-80°	13.1	8.9
80°-90°	13.8	9.4
90°-100°	13.8	9.4
100°-110°	13.1	8.9
110°-120°	11.7	8.0
120°-130°	9.6	6.6
130°-140°	7.3	5.0
140°-150°	5.0	3.4
150°-160°	2.8	1.9
160°-170°	1.1	0.8
170°-180°	0.1	0.1
0°-30°	20.3	13.8
0°-40°	26.3	17.9
0°-60°	43.9	29.9
0°-90°	82.4	56.0
90°-120°	38.7	26.3
90°-150°	60.6	41.2
90°-180°	65.0	44.2
0°-180°	147.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	250	
5°	172	11
15°	15	5
25°	10	5
35°	9	6
45°	10	8
55°	11	10
65°	12	12
75°	12	13
85°	13	10
90°	13	7
95°	13	10
105°	12	13
115°	12	12
125°	11	10
135°	9	7
145°	8	5
155°	6	3
165°	4	1
175°	0	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	249.8
2.5°	276.0
5°	171.8
7.5°	57.0
10°	38.7
12.5°	21.2
15°	14.7
17.5°	12.2
20°	10.7
22.5°	10.1
25°	9.8
27.5°	9.4
30°	9.4
32.5°	9.4
35°	9.4
37.5°	9.6
40°	9.8
42.5°	10.0
45°	10.1
47.5°	10.3
50°	10.5
52.5°	10.7
55°	10.9
57.5°	11.1
60°	11.2
62.5°	11.4
65°	11.6
67.5°	11.8
70°	12.0
72.5°	12.2
75°	12.4
77.5°	12.5
80°	12.5
82.5°	12.7
85°	12.7
87.5°	12.7
90°	12.7
92.5°	12.7
95°	12.7
97.5°	12.7
100°	12.5
102.5°	12.5
105°	12.4
107.5°	12.4
110°	12.2



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	12.0
115°	11.8
117.5°	11.6
120°	11.2
122.5°	11.1
125°	10.7
127.5°	10.5
130°	10.1
132.5°	9.8
135°	9.4
137.5°	9.0
140°	8.7
142.5°	8.3
145°	7.9
147.5°	7.6
150°	7.0
152.5°	6.5
155°	6.1
157.5°	5.5
160°	5.0
162.5°	4.6
165°	3.9
167.5°	3.1
170°	2.2
172.5°	1.3
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	0.6	1.6	1.4	2.5	3.7	0.6	1.6	1.4	2.5	3.7
	3H	3.6	4.5	4.5	5.5	6.6	3.6	4.5	4.5	5.5	6.6
	4H	5.1	6.0	6.0	6.9	8.1	5.1	6.0	6.0	6.9	8.1
	6H	6.6	7.4	7.5	8.3	9.6	6.6	7.4	7.5	8.3	9.6
	8H	7.3	8.1	8.2	9.0	10.2	7.3	8.1	8.2	9.0	10.2
	12H	7.9	8.7	8.9	9.7	10.9	7.9	8.7	8.9	9.7	10.9
4H	2H	1.3	2.2	2.2	3.2	4.4	1.3	2.2	2.2	3.2	4.4
	3H	4.5	5.3	5.5	6.3	7.5	4.5	5.3	5.5	6.3	7.5
	4H	6.2	6.9	7.1	7.9	9.1	6.2	6.9	7.1	7.9	9.1
	6H	7.8	8.5	8.8	9.5	10.7	7.8	8.5	8.8	9.5	10.7
	8H	8.6	9.2	9.6	10.2	11.5	8.6	9.2	9.6	10.2	11.5
	12H	9.4	10.0	10.4	11.0	12.2	9.4	10.0	10.4	11.0	12.2
8H	4H	6.7	7.3	7.7	8.3	9.6	6.7	7.3	7.7	8.3	9.6
	6H	8.6	9.1	9.5	10.1	11.3	8.6	9.1	9.5	10.1	11.3
	8H	9.5	10.0	10.5	11.0	12.2	9.5	10.0	10.5	11.0	12.2
	12H	10.5	10.9	11.4	11.9	13.2	10.5	10.9	11.4	11.9	13.2
12H	4H	6.8	7.4	7.8	8.4	9.7	6.8	7.4	7.8	8.4	9.7
	6H	8.7	9.2	9.7	10.2	11.5	8.7	9.2	9.7	10.2	11.5
	8H	9.8	10.2	10.7	11.2	12.5	9.8	10.2	10.7	11.2	12.5

(END OF REPORT)