

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: P1244931

Luminaire Tested: PRLX-MIN-M-940-04L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244931
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-940-04L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, OPEN WEAVE SHADE TEXTU
LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

Summary

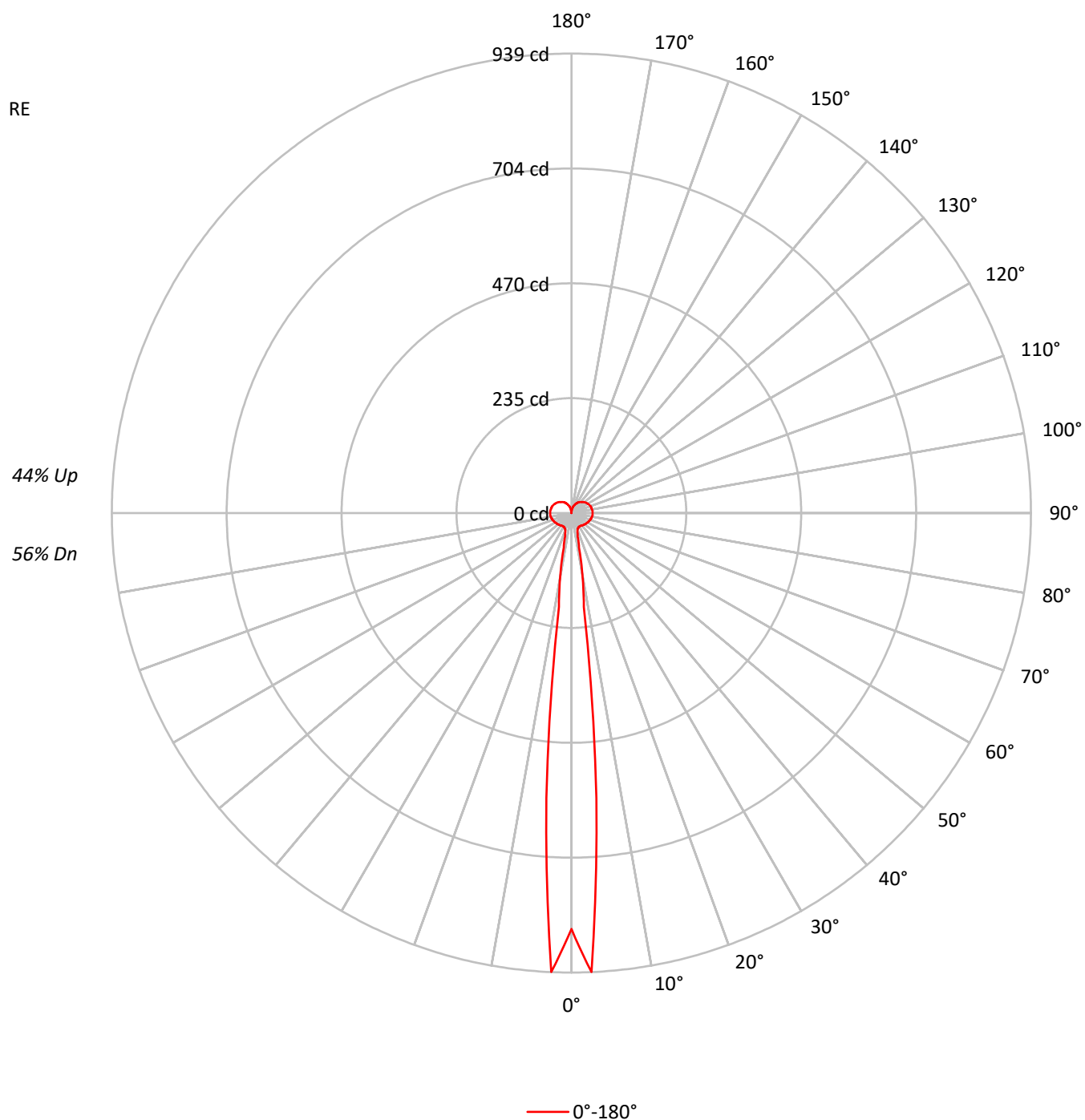
Lumens per Lamp: N/A
Luminaire Lumens: 500.0 lumens
Efficiency: N/A
Efficacy: 30.9 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 16.2
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°	43545
5°	22014
10°	3945
15°	1256
20°	787
25°	636
30°	555
35°	510
40°	493
45°	482
50°	476
55°	474
60°	476
65°	480
70°	489
75°	501
80°	509
85°	522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 531 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.4	7.5
10°-20°	16.4	3.3
20°-30°	15.4	3.1
30°-40°	20.3	4.1
40°-50°	26.7	5.3
50°-60°	33.2	6.6
60°-70°	39.2	7.8
70°-80°	44.4	8.9
80°-90°	47.1	9.4
90°-100°	47.1	9.4
100°-110°	44.6	8.9
110°-120°	39.8	8.0
120°-130°	32.8	6.6
130°-140°	24.8	5.0
140°-150°	17.0	3.4
150°-160°	9.5	1.9
160°-170°	3.8	0.8
170°-180°	0.3	0.1
0°-30°	69.2	13.8
0°-40°	89.5	17.9
0°-60°	149.5	29.9
0°-90°	280.2	56.0
90°-120°	131.5	26.3
90°-150°	206.1	41.2
90°-180°	220.0	44.0
0°-180°	500.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	850	
5°	584	37
15°	50	16
25°	33	15
35°	32	20
45°	34	27
55°	37	33
65°	40	39
75°	42	44
85°	43	35
90°	43	24
95°	43	35
105°	42	45
115°	40	40
125°	36	33
135°	32	25
145°	27	17
155°	21	10
165°	13	4
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	849.7
2.5°	938.8
5°	584.5
7.5°	193.8
10°	131.7
12.5°	72.1
15°	50.2
17.5°	41.4
20°	36.4
22.5°	34.5
25°	33.2
27.5°	32.0
30°	32.0
32.5°	32.0
35°	32.0
37.5°	32.6
40°	33.2
42.5°	33.9
45°	34.5
47.5°	35.1
50°	35.7
52.5°	36.4
55°	37.0
57.5°	37.6
60°	38.3
62.5°	38.9
65°	39.5
67.5°	40.1
70°	40.8
72.5°	41.4
75°	42.0
77.5°	42.6
80°	42.6
82.5°	43.3
85°	43.3
87.5°	43.3
90°	43.3
92.5°	43.3
95°	43.3
97.5°	43.3
100°	42.6
102.5°	42.6
105°	42.0
107.5°	42.0
110°	41.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	40.8
115°	40.1
117.5°	39.5
120°	38.3
122.5°	37.6
125°	36.4
127.5°	35.7
130°	34.5
132.5°	33.2
135°	32.0
137.5°	30.7
140°	29.5
142.5°	28.2
145°	27.0
147.5°	25.7
150°	23.8
152.5°	21.9
155°	20.7
157.5°	18.8
160°	16.9
162.5°	15.7
165°	13.2
167.5°	10.7
170°	7.5
172.5°	4.4
175°	1.3
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	4.8	5.8	5.7	6.7	7.9	4.8	5.8	5.7	6.7	7.9
	3H	7.8	8.8	8.7	9.7	10.9	7.8	8.8	8.7	9.7	10.9
	4H	9.3	10.2	10.2	11.2	12.4	9.3	10.2	10.2	11.2	12.4
	6H	10.8	11.6	11.7	12.6	13.8	10.8	11.6	11.7	12.6	13.8
	8H	11.5	12.3	12.4	13.3	14.5	11.5	12.3	12.4	13.3	14.5
	12H	12.2	13.0	13.1	13.9	15.2	12.2	13.0	13.1	13.9	15.2
4H	2H	5.6	6.5	6.5	7.4	8.6	5.6	6.5	6.5	7.4	8.6
	3H	8.8	9.6	9.7	10.5	11.8	8.8	9.6	9.7	10.5	11.8
	4H	10.4	11.2	11.4	12.1	13.4	10.4	11.2	11.4	12.1	13.4
	6H	12.1	12.7	13.0	13.7	14.9	12.1	12.7	13.0	13.7	14.9
	8H	12.9	13.5	13.8	14.5	15.7	12.9	13.5	13.8	14.5	15.7
	12H	13.7	14.2	14.6	15.2	16.5	13.7	14.2	14.6	15.2	16.5
8H	4H	11.0	11.6	11.9	12.5	13.8	11.0	11.6	11.9	12.5	13.8
	6H	12.8	13.3	13.8	14.3	15.6	12.8	13.3	13.8	14.3	15.6
	8H	13.8	14.2	14.7	15.2	16.5	13.8	14.2	14.7	15.2	16.5
	12H	14.7	15.2	15.7	16.2	17.5	14.7	15.2	15.7	16.2	17.5
12H	4H	11.1	11.6	12.0	12.6	13.9	11.1	11.6	12.0	12.6	13.9
	6H	13.0	13.5	14.0	14.5	15.8	13.0	13.5	14.0	14.5	15.8
	8H	14.0	14.5	15.0	15.5	16.8	14.0	14.5	15.0	15.5	16.8

(END OF REPORT)