

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: P1245202

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245202
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-WO
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, WOVEN OVAL SHADE TEXTU
LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

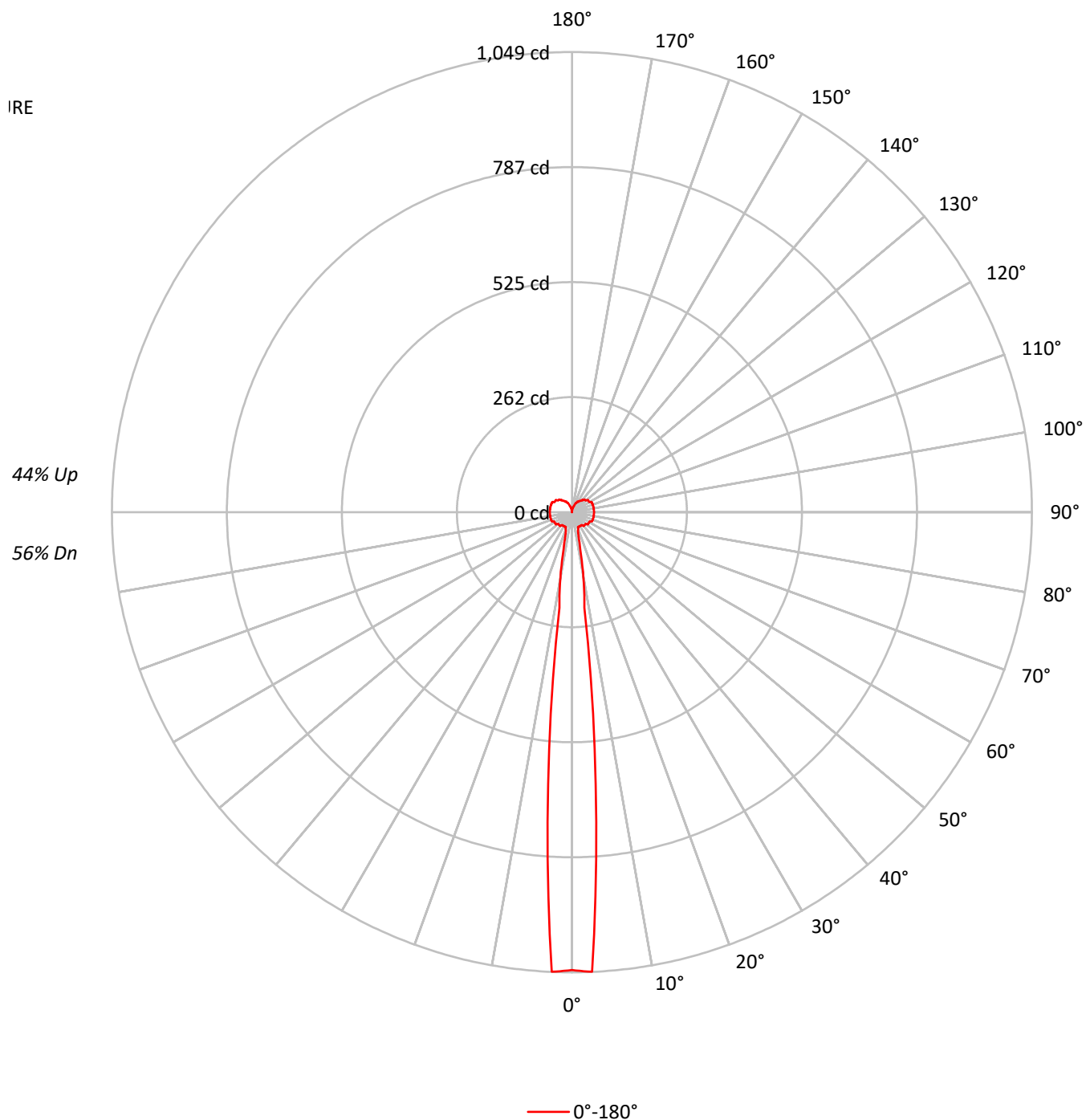
Lumens per Lamp: N/A
Luminaire Lumens: 594.2 lumens
Efficiency: N/A
Efficacy: 27.9 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

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	31	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	16	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°	53502
5°	23452
10°	4526
15°	1489
20°	891
25°	701
30°	634
35°	583
40°	611
45°	576
50°	549
55°	587
60°	569
65°	613
70°	605
75°	601
80°	602
85°	607

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 618 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.5	7.0
10°-20°	19.0	3.2
20°-30°	17.2	2.9
30°-40°	23.4	3.9
40°-50°	31.9	5.4
50°-60°	40.6	6.8
60°-70°	48.4	8.1
70°-80°	53.3	9.0
80°-90°	55.0	9.3
90°-100°	55.0	9.3
100°-110°	53.3	9.0
110°-120°	49.5	8.3
120°-130°	40.6	6.8
130°-140°	30.6	5.2
140°-150°	19.5	3.3
150°-160°	11.3	1.9
160°-170°	3.7	0.6
170°-180°	0.4	0.1
0°-30°	77.7	13.1
0°-40°	101.1	17.0
0°-60°	173.6	29.2
0°-90°	330.3	55.6
90°-120°	157.8	26.6
90°-150°	248.6	41.8
90°-180°	264.0	44.4
0°-180°	594.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1044	
5°	623	42
15°	60	19
25°	37	17
35°	37	23
45°	41	32
55°	46	41
65°	50	48
75°	50	53
85°	50	41
90°	50	28
95°	50	41
105°	50	53
115°	50	49
125°	46	41
135°	41	31
145°	32	20
155°	23	11
165°	14	4
175°	0	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1044.0
2.5°	1048.6
5°	622.7
7.5°	219.8
10°	151.1
12.5°	87.0
15°	59.5
17.5°	45.8
20°	41.2
22.5°	36.6
25°	36.6
27.5°	36.6
30°	36.6
32.5°	36.6
35°	36.6
37.5°	36.6
40°	41.2
42.5°	41.2
45°	41.2
47.5°	41.2
50°	41.2
52.5°	45.8
55°	45.8
57.5°	45.8
60°	45.8
62.5°	45.8
65°	50.4
67.5°	50.4
70°	50.4
72.5°	50.4
75°	50.4
77.5°	50.4
80°	50.4
82.5°	50.4
85°	50.4
87.5°	50.4
90°	50.4
92.5°	50.4
95°	50.4
97.5°	50.4
100°	50.4
102.5°	50.4
105°	50.4
107.5°	50.4
110°	50.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	50.4
115°	50.4
117.5°	50.4
120°	45.8
122.5°	45.8
125°	45.8
127.5°	45.8
130°	41.2
132.5°	41.2
135°	41.2
137.5°	36.6
140°	36.6
142.5°	32.1
145°	32.1
147.5°	27.5
150°	27.5
152.5°	27.5
155°	22.9
157.5°	22.9
160°	18.3
162.5°	13.7
165°	13.7
167.5°	9.2
170°	9.2
172.5°	4.6
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	5.5	6.6	6.4	7.5	8.7	5.5	6.6	6.4	7.5	8.7
	3H	8.7	9.6	9.6	10.5	11.8	8.7	9.6	9.6	10.5	11.8
	4H	10.1	11.0	11.0	11.9	13.2	10.1	11.0	11.0	11.9	13.2
	6H	11.5	12.3	12.4	13.3	14.5	11.5	12.3	12.4	13.3	14.5
	8H	12.2	13.0	13.1	13.9	15.2	12.2	13.0	13.1	13.9	15.2
	12H	12.8	13.6	13.7	14.5	15.8	12.8	13.6	13.7	14.5	15.8
4H	2H	6.4	7.3	7.3	8.2	9.4	6.4	7.3	7.3	8.2	9.4
	3H	9.6	10.4	10.6	11.4	12.6	9.6	10.4	10.6	11.4	12.6
	4H	11.2	11.9	12.1	12.9	14.2	11.2	11.9	12.1	12.9	14.2
	6H	12.8	13.4	13.7	14.4	15.6	12.8	13.4	13.7	14.4	15.6
	8H	13.5	14.1	14.5	15.1	16.4	13.5	14.1	14.5	15.1	16.4
	12H	14.3	14.8	15.2	15.8	17.1	14.3	14.8	15.2	15.8	17.1
8H	4H	11.7	12.3	12.7	13.3	14.6	11.7	12.3	12.7	13.3	14.6
	6H	13.5	14.0	14.4	15.0	16.3	13.5	14.0	14.4	15.0	16.3
	8H	14.4	14.9	15.4	15.9	17.1	14.4	14.9	15.4	15.9	17.1
	12H	15.3	15.7	16.3	16.7	18.0	15.3	15.7	16.3	16.7	18.0
12H	4H	11.8	12.4	12.8	13.4	14.7	11.8	12.4	12.8	13.4	14.7
	6H	13.7	14.1	14.6	15.1	16.4	13.7	14.1	14.6	15.1	16.4
	8H	14.6	15.1	15.6	16.1	17.4	14.6	15.1	15.6	16.1	17.4

(END OF REPORT)