

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: P1245179

Luminaire Tested: PRLX-NIM-M-935-06L-U-LF

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245179
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-935-06L-U-LF
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, LAYERED FINE SHADE TEXTU
LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

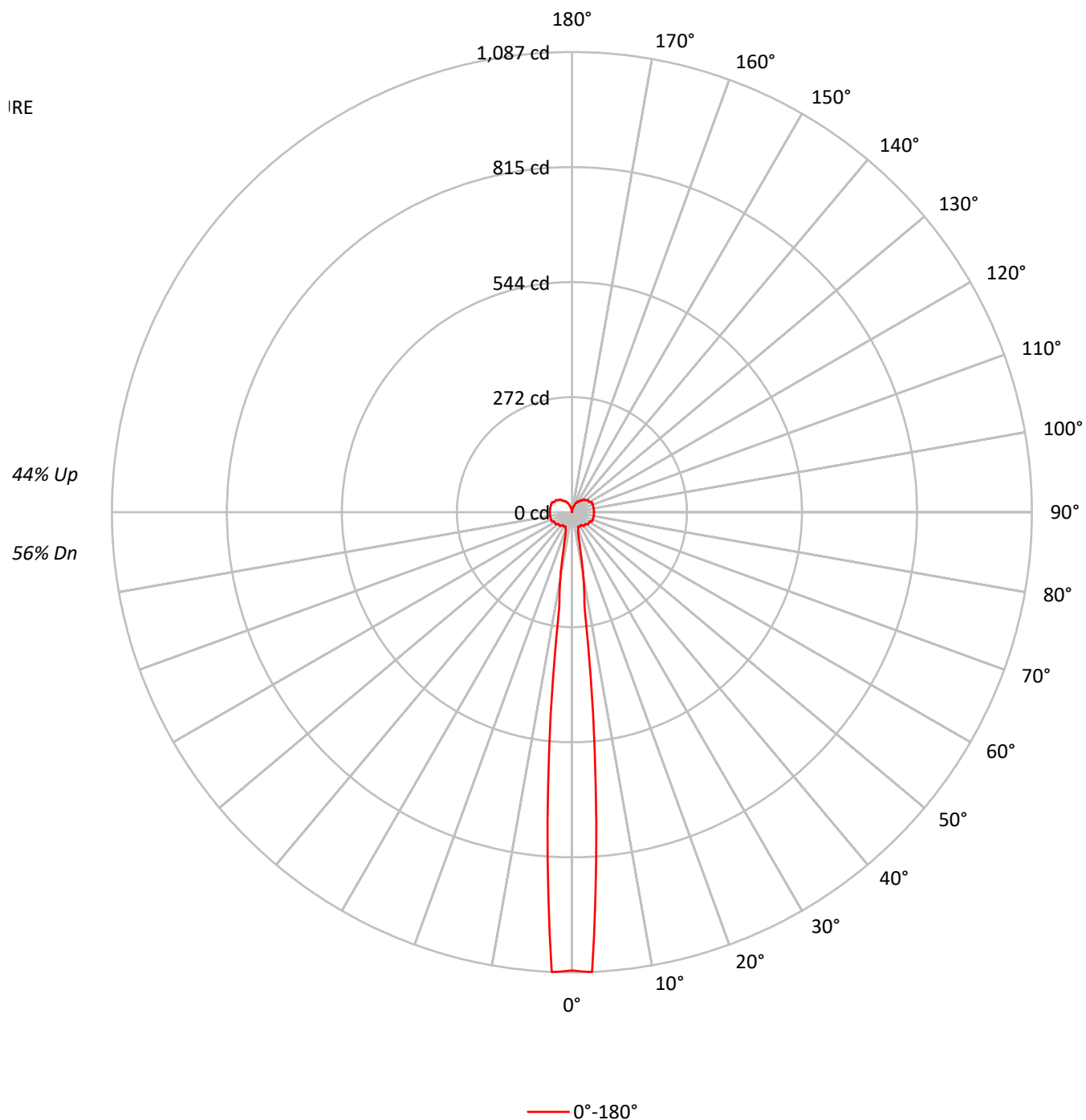
Lumens per Lamp: N/A
Luminaire Lumens: 615.8 lumens
Efficiency: N/A
Efficacy: 28.9 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

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	32	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	17	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°	55485
5°	24322
10°	4693
15°	1544
20°	923
25°	728
30°	659
35°	605
40°	633
45°	597
50°	569
55°	609
60°	591
65°	635
70°	626
75°	622
80°	623
85°	629

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 640 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.1	7.0
10°-20°	19.7	3.2
20°-30°	17.8	2.9
30°-40°	24.3	3.9
40°-50°	33.1	5.4
50°-60°	42.1	6.8
60°-70°	50.1	8.1
70°-80°	55.2	9.0
80°-90°	57.0	9.2
90°-100°	57.0	9.2
100°-110°	55.2	9.0
110°-120°	51.2	8.3
120°-130°	42.1	6.8
130°-140°	31.8	5.2
140°-150°	20.2	3.3
150°-160°	11.7	1.9
160°-170°	3.8	0.6
170°-180°	0.4	0.1
0°-30°	80.6	13.1
0°-40°	104.9	17.0
0°-60°	180.1	29.2
0°-90°	342.3	55.6
90°-120°	163.4	26.5
90°-150°	257.5	41.8
90°-180°	273.0	44.3
0°-180°	615.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1083	
5°	646	43
15°	62	20
25°	38	18
35°	38	24
45°	43	33
55°	48	42
65°	52	50
75°	52	55
85°	52	43
90°	52	29
95°	52	43
105°	52	55
115°	52	51
125°	48	42
135°	43	32
145°	33	20
155°	24	12
165°	14	4
175°	0	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1082.7
2.5°	1087.4
5°	645.8
7.5°	227.9
10°	156.7
12.5°	90.2
15°	61.7
17.5°	47.5
20°	42.7
22.5°	38.0
25°	38.0
27.5°	38.0
30°	38.0
32.5°	38.0
35°	38.0
37.5°	38.0
40°	42.7
42.5°	42.7
45°	42.7
47.5°	42.7
50°	42.7
52.5°	47.5
55°	47.5
57.5°	47.5
60°	47.5
62.5°	47.5
65°	52.2
67.5°	52.2
70°	52.2
72.5°	52.2
75°	52.2
77.5°	52.2
80°	52.2
82.5°	52.2
85°	52.2
87.5°	52.2
90°	52.2
92.5°	52.2
95°	52.2
97.5°	52.2
100°	52.2
102.5°	52.2
105°	52.2
107.5°	52.2
110°	52.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	52.2
115°	52.2
117.5°	52.2
120°	47.5
122.5°	47.5
125°	47.5
127.5°	47.5
130°	42.7
132.5°	42.7
135°	42.7
137.5°	38.0
140°	38.0
142.5°	33.2
145°	33.2
147.5°	28.5
150°	28.5
152.5°	28.5
155°	23.7
157.5°	23.7
160°	19.0
162.5°	14.2
165°	14.2
167.5°	9.5
170°	9.5
172.5°	4.7
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	5.7	6.7	6.5	7.6	8.8	5.7	6.7	6.5	7.6	8.8
	3H	8.8	9.7	9.7	10.7	11.9	8.8	9.7	9.7	10.7	11.9
	4H	10.2	11.1	11.1	12.1	13.3	10.2	11.1	11.1	12.1	13.3
	6H	11.6	12.5	12.5	13.4	14.6	11.6	12.5	12.5	13.4	14.6
	8H	12.3	13.1	13.2	14.1	15.3	12.3	13.1	13.2	14.1	15.3
	12H	12.9	13.7	13.9	14.7	15.9	12.9	13.7	13.9	14.7	15.9
4H	2H	6.5	7.4	7.4	8.4	9.6	6.5	7.4	7.4	8.4	9.6
	3H	9.8	10.6	10.7	11.5	12.7	9.8	10.6	10.7	11.5	12.7
	4H	11.3	12.1	12.3	13.0	14.3	11.3	12.1	12.3	13.0	14.3
	6H	12.9	13.5	13.8	14.5	15.8	12.9	13.5	13.8	14.5	15.8
	8H	13.6	14.3	14.6	15.2	16.5	13.6	14.3	14.6	15.2	16.5
	12H	14.4	15.0	15.4	16.0	17.2	14.4	15.0	15.4	16.0	17.2
8H	4H	11.8	12.5	12.8	13.4	14.7	11.8	12.5	12.8	13.4	14.7
	6H	13.6	14.1	14.6	15.1	16.4	13.6	14.1	14.6	15.1	16.4
	8H	14.5	15.0	15.5	16.0	17.3	14.5	15.0	15.5	16.0	17.3
	12H	15.4	15.9	16.4	16.9	18.2	15.4	15.9	16.4	16.9	18.2
12H	4H	11.9	12.5	12.9	13.5	14.8	11.9	12.5	12.9	13.5	14.8
	6H	13.8	14.3	14.8	15.3	16.6	13.8	14.3	14.8	15.3	16.6
	8H	14.8	15.2	15.7	16.2	17.5	14.8	15.2	15.7	16.2	17.5

(END OF REPORT)