

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: P1245168

Luminaire Tested: PRLX-NIM-M-935-01L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245168
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-935-01L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, NATURAL LINES SHADE TEXT LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

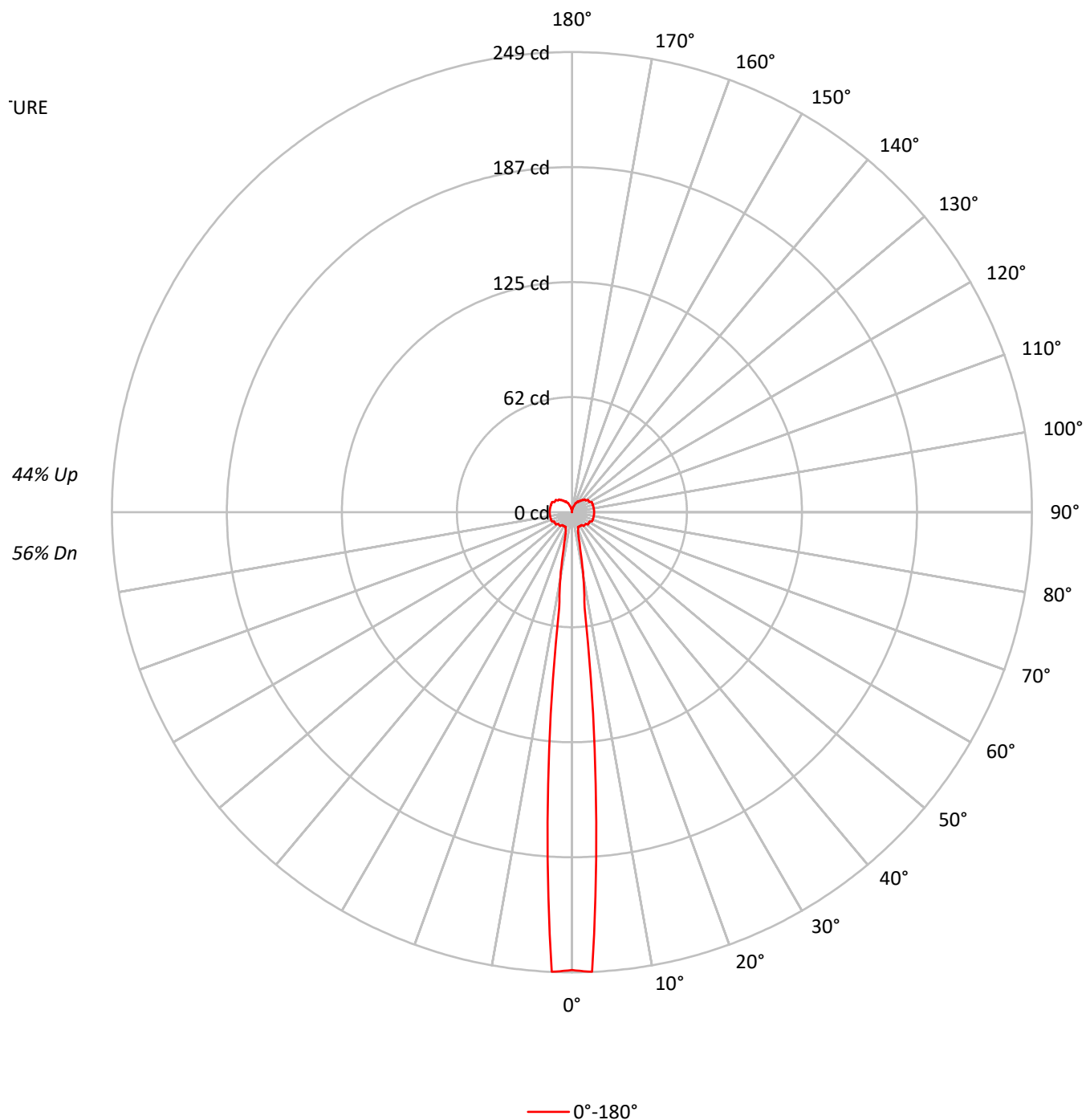
Lumens per Lamp: N/A
Luminaire Lumens: 141.3 lumens
Efficiency: N/A
Efficacy: 22.4 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 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	
RCR																						
0	108	108	108	108		101	101	101	101		86	86	86		73	73	73		61	61	61	
1	95	89	83	78		88	82	77	73		70	66	63		58	55	53		48	46	44	
2	85	76	68	62		78	70	63	58		59	54	50		50	45	42		40	37	35	
3	77	66	58	51		71	61	54	47		52	46	41		43	39	35		35	32	29	
4	71	59	50	43		65	54	46	40		46	40	35		39	34	30		32	28	25	
5	65	52	43	37		60	49	41	35		42	35	30		35	30	26		29	25	22	
6	60	47	39	32		56	44	36	30		38	31	27		32	27	23		27	23	20	
7	56	43	35	29		52	40	33	27		35	29	24		30	25	21		25	21	18	
8	53	40	32	26		49	37	30	25		32	26	22		28	23	19		23	19	16	
9	49	37	29	24		46	34	27	22		30	24	20		26	21	18		22	18	15	
10	46	34	27	22		43	32	25	21		28	22	19		24	20	17		21	17	14	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	12699
5°	5567
10°	1075
15°	353
20°	212
25°	167
30°	151
35°	139
40°	145
45°	137
50°	131
55°	140
60°	136
65°	146
70°	144
75°	143
80°	143
85°	145

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 90°
Luminance: 147 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.9	7.0
10°-20°	4.5	3.2
20°-30°	4.1	2.9
30°-40°	5.6	3.9
40°-50°	7.6	5.4
50°-60°	9.7	6.8
60°-70°	11.5	8.1
70°-80°	12.7	9.0
80°-90°	13.1	9.3
90°-100°	13.1	9.3
100°-110°	12.7	9.0
110°-120°	11.8	8.3
120°-130°	9.7	6.8
130°-140°	7.3	5.2
140°-150°	4.6	3.3
150°-160°	2.7	1.9
160°-170°	0.9	0.6
170°-180°	0.1	0.1
0°-30°	18.5	13.1
0°-40°	24.0	17.0
0°-60°	41.3	29.2
0°-90°	78.6	55.6
90°-120°	37.6	26.6
90°-150°	59.1	41.8
90°-180°	63.0	44.6
0°-180°	141.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	248	
5°	148	10
15°	14	5
25°	9	4
35°	9	6
45°	10	8
55°	11	10
65°	12	12
75°	12	13
85°	12	10
90°	12	7
95°	12	10
105°	12	13
115°	12	12
125°	11	10
135°	10	7
145°	8	5
155°	5	3
165°	3	1
175°	0	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	247.8
2.5°	248.9
5°	147.8
7.5°	52.2
10°	35.9
12.5°	20.7
15°	14.1
17.5°	10.9
20°	9.8
22.5°	8.7
25°	8.7
27.5°	8.7
30°	8.7
32.5°	8.7
35°	8.7
37.5°	8.7
40°	9.8
42.5°	9.8
45°	9.8
47.5°	9.8
50°	9.8
52.5°	10.9
55°	10.9
57.5°	10.9
60°	10.9
62.5°	10.9
65°	12.0
67.5°	12.0
70°	12.0
72.5°	12.0
75°	12.0
77.5°	12.0
80°	12.0
82.5°	12.0
85°	12.0
87.5°	12.0
90°	12.0
92.5°	12.0
95°	12.0
97.5°	12.0
100°	12.0
102.5°	12.0
105°	12.0
107.5°	12.0
110°	12.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	12.0
115°	12.0
117.5°	12.0
120°	10.9
122.5°	10.9
125°	10.9
127.5°	10.9
130°	9.8
132.5°	9.8
135°	9.8
137.5°	8.7
140°	8.7
142.5°	7.6
145°	7.6
147.5°	6.5
150°	6.5
152.5°	6.5
155°	5.4
157.5°	5.4
160°	4.3
162.5°	3.3
165°	3.3
167.5°	2.2
170°	2.2
172.5°	1.1
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	0.5	1.6	1.4	2.5	3.7	0.5	1.6	1.4	2.5	3.7
	3H	3.7	4.6	4.6	5.6	6.8	3.7	4.6	4.6	5.6	6.8
	4H	5.1	6.0	6.0	7.0	8.2	5.1	6.0	6.0	7.0	8.2
	6H	6.5	7.4	7.4	8.3	9.5	6.5	7.4	7.4	8.3	9.5
	8H	7.2	8.0	8.1	9.0	10.2	7.2	8.0	8.1	9.0	10.2
	12H	7.8	8.6	8.8	9.6	10.8	7.8	8.6	8.8	9.6	10.8
4H	2H	1.4	2.3	2.3	3.2	4.4	1.4	2.3	2.3	3.2	4.4
	3H	4.7	5.4	5.6	6.4	7.6	4.7	5.4	5.6	6.4	7.6
	4H	6.2	7.0	7.2	7.9	9.2	6.2	7.0	7.2	7.9	9.2
	6H	7.8	8.4	8.7	9.4	10.7	7.8	8.4	8.7	9.4	10.7
	8H	8.5	9.2	9.5	10.1	11.4	8.5	9.2	9.5	10.1	11.4
	12H	9.3	9.9	10.3	10.8	12.1	9.3	9.9	10.3	10.8	12.1
8H	4H	6.7	7.4	7.7	8.3	9.6	6.7	7.4	7.7	8.3	9.6
	6H	8.5	9.0	9.5	10.0	11.3	8.5	9.0	9.5	10.0	11.3
	8H	9.4	9.9	10.4	10.9	12.2	9.4	9.9	10.4	10.9	12.2
	12H	10.3	10.7	11.3	11.7	13.1	10.3	10.7	11.3	11.7	13.1
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	10.1	11.4	8.7	9.2	9.7	10.1	11.4
	8H	9.7	10.1	10.6	11.1	12.4	9.7	10.1	10.6	11.1	12.4

(END OF REPORT)