

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: P1245423

Luminaire Tested: PRLX-UNA-M-935-06L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245423
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UNA-M-935-06L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, OPEN WEAVE SHADE TEXTU
LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

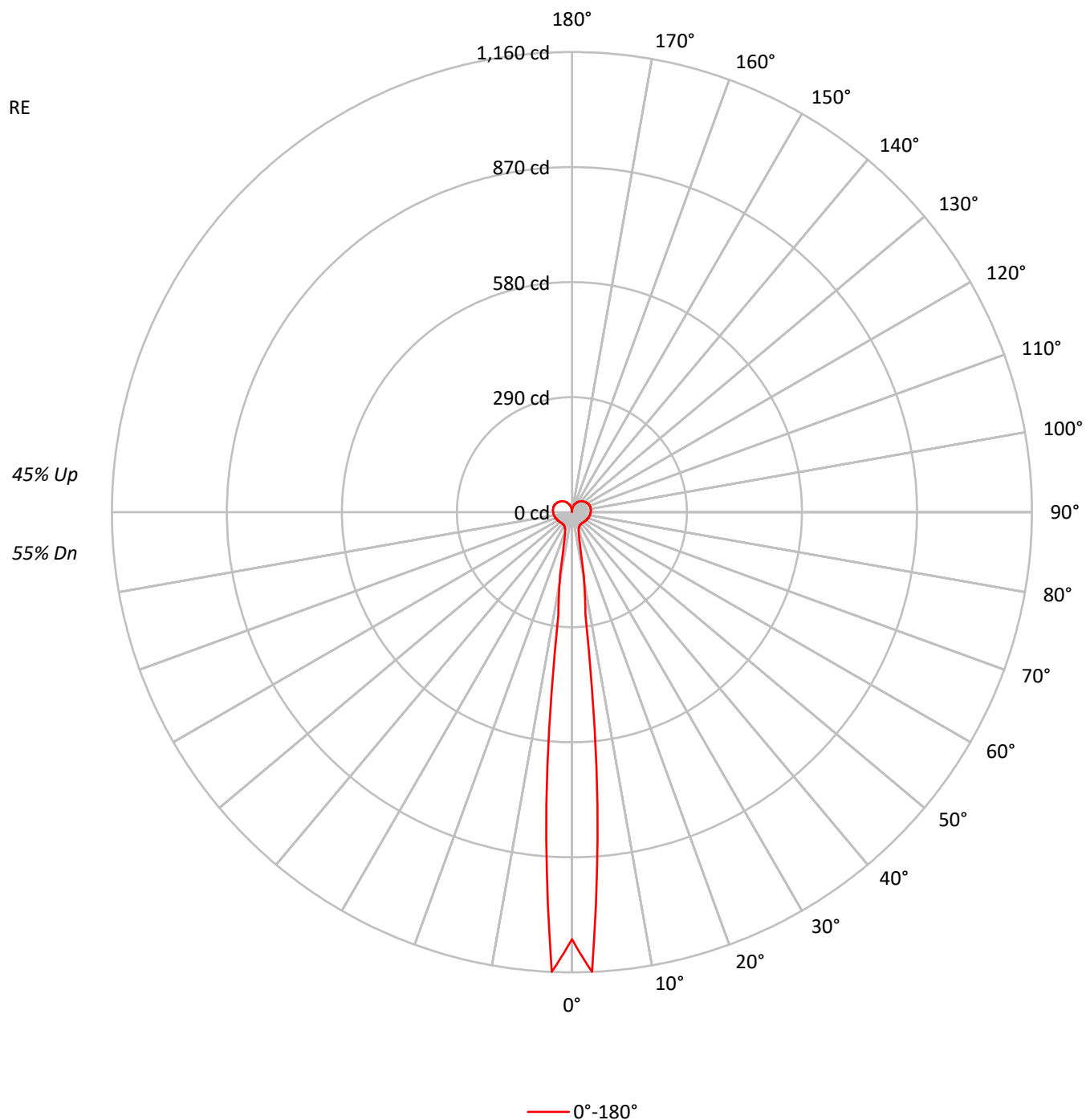
Lumens per Lamp: N/A
Luminaire Lumens: 577.0 lumens
Efficiency: N/A
Efficacy: 27.1 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 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	0
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	55
1	95	90	84	79		88	83	78	74		70	67	64		59	56	54		48	46	45	39
2	86	77	70	63		79	71	65	59		61	56	51		51	47	43		42	39	36	31
3	78	68	59	53		72	63	55	49		53	48	43		45	40	36		37	33	30	26
4	72	60	51	45		66	56	48	42		48	42	37		40	35	32		33	30	27	23
5	67	54	45	39		61	50	43	37		43	37	32		37	32	28		30	27	24	21
6	62	49	41	34		57	46	38	33		40	33	29		34	29	25		28	25	22	19
7	58	45	37	31		53	42	35	29		37	31	26		31	27	23		27	23	20	17
8	54	41	34	28		50	39	32	27		34	28	24		29	25	21		25	21	19	16
9	51	38	31	26		47	36	29	25		32	26	22		28	23	20		24	20	17	15
10	48	36	29	24		45	34	27	23		30	24	21		26	22	19		23	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	55157
5°	27915
10°	5361
15°	1799
20°	1075
25°	820
30°	676
35°	608
40°	556
45°	534
50°	520
55°	510
60°	513
65°	512
70°	523
75°	538
80°	548
85°	563

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 90°
Luminance: 581 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.8	8.3
10°-20°	22.9	4.0
20°-30°	19.9	3.4
30°-40°	23.9	4.1
40°-50°	29.5	5.1
50°-60°	35.8	6.2
60°-70°	41.9	7.3
70°-80°	47.4	8.2
80°-90°	50.9	8.8
90°-100°	52.3	9.1
100°-110°	50.9	8.8
110°-120°	46.2	8.0
120°-130°	38.9	6.7
130°-140°	30.1	5.2
140°-150°	20.7	3.6
150°-160°	12.0	2.1
160°-170°	5.1	0.9
170°-180°	0.8	0.1
0°-30°	90.6	15.7
0°-40°	114.4	19.8
0°-60°	179.7	31.1
0°-90°	320.0	55.5
90°-120°	149.4	25.9
90°-150°	239.1	41.4
90°-180°	257.0	44.5
0°-180°	577.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1076	
5°	741	48
15°	72	23
25°	43	20
35°	38	24
45°	38	29
55°	40	36
65°	42	42
75°	45	47
85°	47	38
90°	47	26
95°	48	39
105°	48	51
115°	47	46
125°	44	39
135°	39	30
145°	33	21
155°	26	12
165°	18	5
175°	5	1
180°	1	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1076.3
2.5°	1159.7
5°	741.2
7.5°	258.6
10°	179.0
12.5°	102.5
15°	71.9
17.5°	58.1
20°	49.7
22.5°	45.1
25°	42.8
27.5°	40.5
30°	39.0
32.5°	38.2
35°	38.2
37.5°	37.5
40°	37.5
42.5°	37.5
45°	38.2
47.5°	38.2
50°	39.0
52.5°	39.0
55°	39.8
57.5°	40.5
60°	41.3
62.5°	41.3
65°	42.1
67.5°	42.8
70°	43.6
72.5°	44.4
75°	45.1
77.5°	45.1
80°	45.9
82.5°	46.7
85°	46.7
87.5°	46.7
90°	47.4
92.5°	47.4
95°	48.2
97.5°	48.2
100°	48.2
102.5°	48.2
105°	48.2
107.5°	48.2
110°	47.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	47.4
115°	46.7
117.5°	45.9
120°	45.1
122.5°	44.4
125°	43.6
127.5°	42.1
130°	41.3
132.5°	39.8
135°	39.0
137.5°	37.5
140°	36.0
142.5°	34.4
145°	32.9
147.5°	31.4
150°	29.8
152.5°	27.5
155°	26.0
157.5°	23.7
160°	22.2
162.5°	19.9
165°	17.6
167.5°	15.3
170°	13.0
172.5°	9.2
175°	5.4
177.5°	2.3
180°	0.8

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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	8.7	8.7	9.7	10.9	7.8	8.7	8.7	9.7	10.9
	4H	9.3	10.2	10.2	11.1	12.3	9.3	10.2	10.2	11.1	12.3
	6H	10.8	11.6	11.7	12.5	13.8	10.8	11.6	11.7	12.5	13.8
	8H	11.5	12.3	12.4	13.2	14.5	11.5	12.3	12.4	13.2	14.5
	12H	12.2	12.9	13.1	13.9	15.2	12.2	12.9	13.1	13.9	15.2
4H	2H	5.6	6.4	6.5	7.4	8.6	5.6	6.4	6.5	7.4	8.6
	3H	8.8	9.5	9.7	10.5	11.7	8.8	9.5	9.7	10.5	11.7
	4H	10.4	11.1	11.4	12.1	13.3	10.4	11.1	11.4	12.1	13.3
	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	14.4	15.7	12.9	13.5	13.8	14.4	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	10.9	11.5	11.9	12.5	13.8	10.9	11.5	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	13.7	14.2	14.7	15.2	16.5	13.7	14.2	14.7	15.2	16.5
	12H	14.7	15.1	15.7	16.1	17.5	14.7	15.1	15.7	16.1	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	13.4	14.0	14.4	15.7	13.0	13.4	14.0	14.4	15.7
	8H	14.0	14.4	15.0	15.4	16.8	14.0	14.4	15.0	15.4	16.8

(END OF REPORT)