

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: P1245411

Luminaire Tested: PRLX-UNA-M-930-07L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245411
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-930-07L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, OPEN WEAVE SHADE TEXTU
LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

Summary

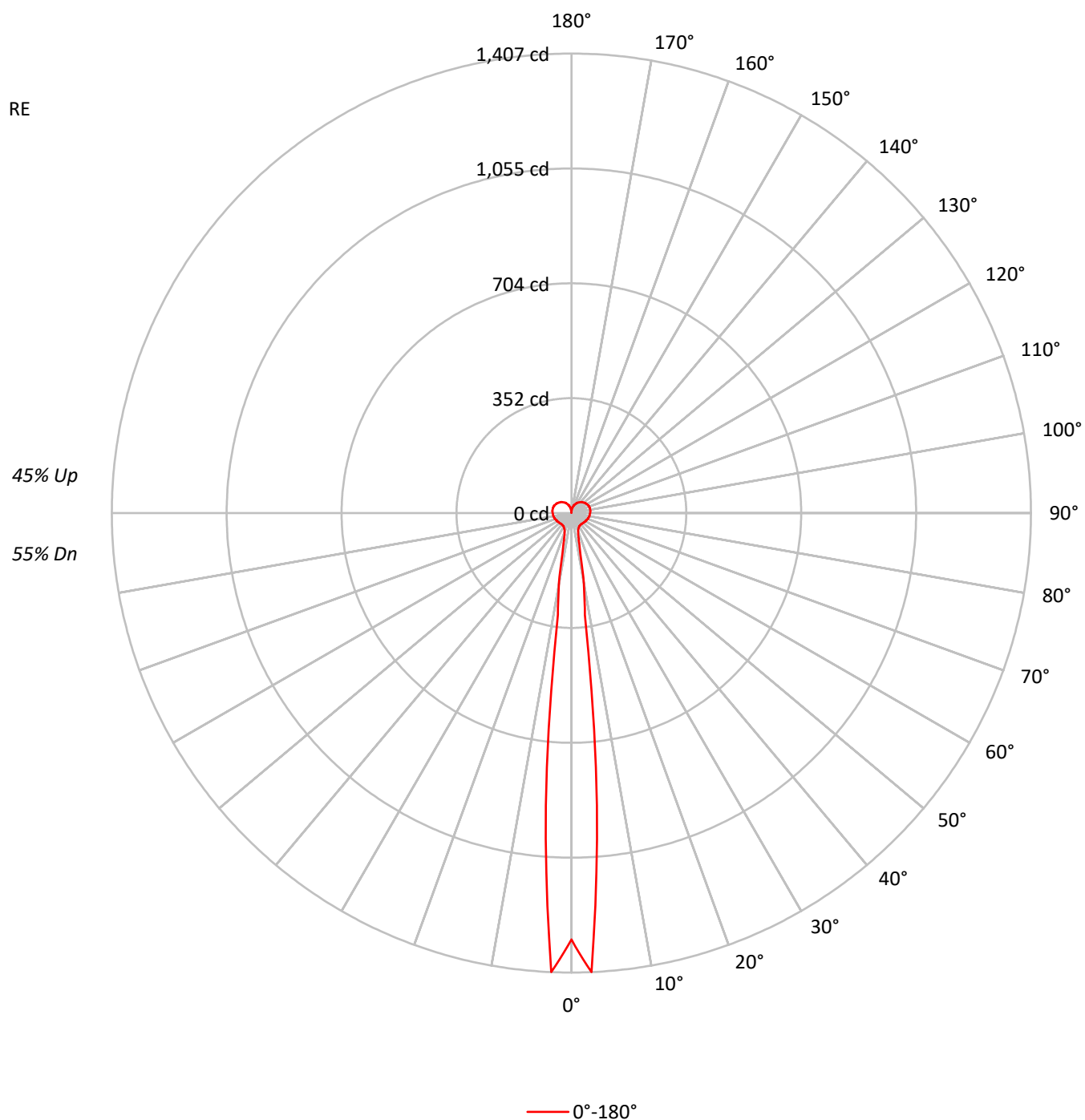
Lumens per Lamp: N/A
Luminaire Lumens: 700.0 lumens
Efficiency: N/A
Efficacy: 24.2 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 28.9
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	50	30	10
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	31	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°	66914
5°	33870
10°	6505
15°	2182
20°	1304
25°	997
30°	820
35°	739
40°	675
45°	649
50°	630
55°	619
60°	623
65°	620
70°	635
75°	653
80°	665
85°	682

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 90°
Luminance: 705 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.0	8.3
10°-20°	27.8	4.0
20°-30°	24.1	3.4
30°-40°	29.0	4.1
40°-50°	35.8	5.1
50°-60°	43.4	6.2
60°-70°	50.8	7.3
70°-80°	57.6	8.2
80°-90°	61.8	8.8
90°-100°	63.4	9.1
100°-110°	61.8	8.8
110°-120°	56.1	8.0
120°-130°	47.2	6.7
130°-140°	36.5	5.2
140°-150°	25.2	3.6
150°-160°	14.6	2.1
160°-170°	6.2	0.9
170°-180°	0.9	0.1
0°-30°	109.9	15.7
0°-40°	138.9	19.8
0°-60°	218.1	31.2
0°-90°	388.2	55.5
90°-120°	181.3	25.9
90°-150°	290.1	41.4
90°-180°	312.0	44.6
0°-180°	700.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1306	
5°	899	58
15°	87	28
25°	52	24
35°	46	29
45°	46	36
55°	48	43
65°	51	51
75°	55	58
85°	57	46
90°	58	31
95°	58	48
105°	58	62
115°	57	56
125°	53	47
135°	47	36
145°	40	25
155°	32	15
165°	21	6
175°	6	1
180°	1	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1305.7
2.5°	1406.9
5°	899.3
7.5°	313.7
10°	217.2
12.5°	124.4
15°	87.2
17.5°	70.5
20°	60.3
22.5°	54.8
25°	52.0
27.5°	49.2
30°	47.3
32.5°	46.4
35°	46.4
37.5°	45.5
40°	45.5
42.5°	45.5
45°	46.4
47.5°	46.4
50°	47.3
52.5°	47.3
55°	48.3
57.5°	49.2
60°	50.1
62.5°	50.1
65°	51.0
67.5°	52.0
70°	52.9
72.5°	53.8
75°	54.8
77.5°	54.8
80°	55.7
82.5°	56.6
85°	56.6
87.5°	56.6
90°	57.5
92.5°	57.5
95°	58.5
97.5°	58.5
100°	58.5
102.5°	58.5
105°	58.5
107.5°	58.5
110°	57.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	57.5
115°	56.6
117.5°	55.7
120°	54.8
122.5°	53.8
125°	52.9
127.5°	51.0
130°	50.1
132.5°	48.3
135°	47.3
137.5°	45.5
140°	43.6
142.5°	41.8
145°	39.9
147.5°	38.0
150°	36.2
152.5°	33.4
155°	31.6
157.5°	28.8
160°	26.9
162.5°	24.1
165°	21.3
167.5°	18.6
170°	15.8
172.5°	11.1
175°	6.5
177.5°	2.8
180°	0.9

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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	6.5	6.4	7.4	8.6	5.5	6.5	6.4	7.4	8.6
	3H	8.5	9.4	9.4	10.3	11.6	8.5	9.4	9.4	10.3	11.6
	4H	10.0	10.9	10.9	11.8	13.0	10.0	10.9	10.9	11.8	13.0
	6H	11.5	12.3	12.4	13.2	14.5	11.5	12.3	12.4	13.2	14.5
	8H	12.2	13.0	13.1	13.9	15.1	12.2	13.0	13.1	13.9	15.1
	12H	12.9	13.6	13.8	14.6	15.8	12.9	13.6	13.8	14.6	15.8
4H	2H	6.2	7.1	7.2	8.1	9.3	6.2	7.1	7.2	8.1	9.3
	3H	9.4	10.2	10.4	11.2	12.4	9.4	10.2	10.4	11.2	12.4
	4H	11.1	11.8	12.0	12.8	14.0	11.1	11.8	12.0	12.8	14.0
	6H	12.7	13.4	13.7	14.3	15.6	12.7	13.4	13.7	14.3	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	14.9	15.3	15.9	17.2	14.3	14.9	15.3	15.9	17.2
8H	4H	11.6	12.2	12.6	13.2	14.5	11.6	12.2	12.6	13.2	14.5
	6H	13.5	14.0	14.4	15.0	16.2	13.5	14.0	14.4	15.0	16.2
	8H	14.4	14.9	15.4	15.9	17.2	14.4	14.9	15.4	15.9	17.2
	12H	15.4	15.8	16.4	16.8	18.1	15.4	15.8	16.4	16.8	18.1
12H	4H	11.7	12.3	12.7	13.3	14.5	11.7	12.3	12.7	13.3	14.5
	6H	13.7	14.1	14.6	15.1	16.4	13.7	14.1	14.6	15.1	16.4
	8H	14.7	15.1	15.7	16.1	17.4	14.7	15.1	15.7	16.1	17.4

(END OF REPORT)