

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: P1245410

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245410
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-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, NATURAL LINES SHADE TEXT LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

Summary

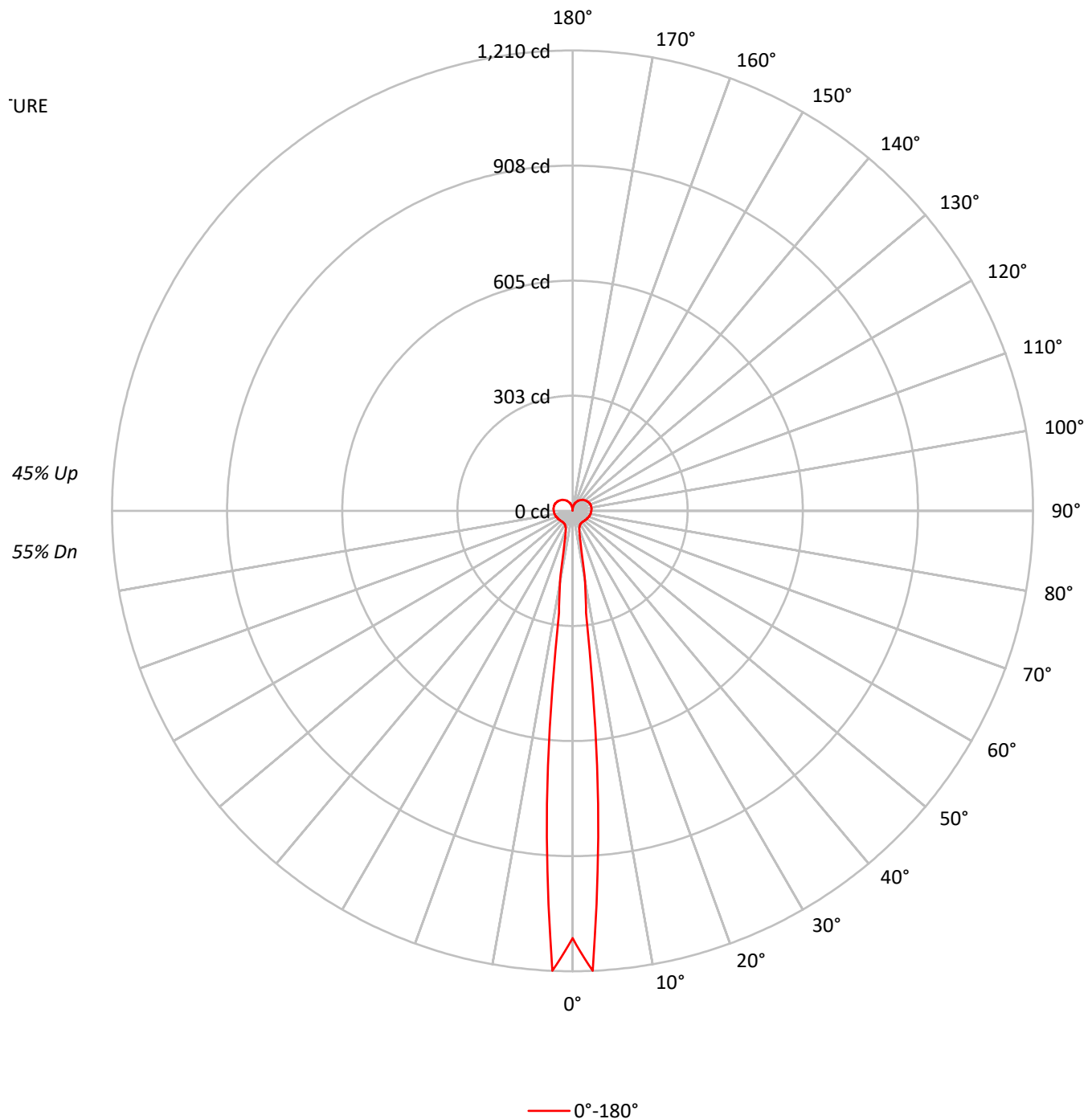
Lumens per Lamp: N/A
Luminaire Lumens: 602.1 lumens
Efficiency: N/A
Efficacy: 20.8 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

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°	57546
5°	29128
10°	5595
15°	1876
20°	1122
25°	857
30°	705
35°	635
40°	580
45°	558
50°	542
55°	532
60°	536
65°	534
70°	546
75°	562
80°	572
85°	587

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 90°
Luminance: 607 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.8	8.3
10°-20°	23.9	4.0
20°-30°	20.7	3.4
30°-40°	24.9	4.1
40°-50°	30.8	5.1
50°-60°	37.3	6.2
60°-70°	43.7	7.3
70°-80°	49.5	8.2
80°-90°	53.1	8.8
90°-100°	54.6	9.1
100°-110°	53.1	8.8
110°-120°	48.3	8.0
120°-130°	40.6	6.7
130°-140°	31.3	5.2
140°-150°	21.6	3.6
150°-160°	12.6	2.1
160°-170°	5.3	0.9
170°-180°	0.8	0.1
0°-30°	94.5	15.7
0°-40°	119.4	19.8
0°-60°	187.5	31.2
0°-90°	333.9	55.5
90°-120°	155.9	25.9
90°-150°	249.5	41.4
90°-180°	268.0	44.5
0°-180°	602.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1123	
5°	773	50
15°	75	24
25°	45	21
35°	40	25
45°	40	31
55°	42	37
65°	44	44
75°	47	50
85°	49	40
90°	50	27
95°	50	41
105°	50	53
115°	49	48
125°	46	41
135°	41	31
145°	34	22
155°	27	13
165°	18	5
175°	6	1
180°	1	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1122.9
2.5°	1209.9
5°	773.4
7.5°	269.8
10°	186.8
12.5°	106.9
15°	75.0
17.5°	60.7
20°	51.9
22.5°	47.1
25°	44.7
27.5°	42.3
30°	40.7
32.5°	39.9
35°	39.9
37.5°	39.1
40°	39.1
42.5°	39.1
45°	39.9
47.5°	39.9
50°	40.7
52.5°	40.7
55°	41.5
57.5°	42.3
60°	43.1
62.5°	43.1
65°	43.9
67.5°	44.7
70°	45.5
72.5°	46.3
75°	47.1
77.5°	47.1
80°	47.9
82.5°	48.7
85°	48.7
87.5°	48.7
90°	49.5
92.5°	49.5
95°	50.3
97.5°	50.3
100°	50.3
102.5°	50.3
105°	50.3
107.5°	50.3
110°	49.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	49.5
115°	48.7
117.5°	47.9
120°	47.1
122.5°	46.3
125°	45.5
127.5°	43.9
130°	43.1
132.5°	41.5
135°	40.7
137.5°	39.1
140°	37.5
142.5°	35.9
145°	34.3
147.5°	32.7
150°	31.1
152.5°	28.7
155°	27.1
157.5°	24.7
160°	23.1
162.5°	20.8
165°	18.4
167.5°	16.0
170°	13.6
172.5°	9.6
175°	5.6
177.5°	2.4
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	5.0	6.0	5.9	6.9	8.1	5.0	6.0	5.9	6.9	8.1
	3H	8.0	8.9	8.9	9.8	11.0	8.0	8.9	8.9	9.8	11.0
	4H	9.5	10.3	10.4	11.3	12.5	9.5	10.3	10.4	11.3	12.5
	6H	10.9	11.8	11.9	12.7	13.9	10.9	11.8	11.9	12.7	13.9
	8H	11.6	12.4	12.6	13.4	14.6	11.6	12.4	12.6	13.4	14.6
	12H	12.3	13.1	13.3	14.1	15.3	12.3	13.1	13.3	14.1	15.3
4H	2H	5.7	6.6	6.6	7.5	8.8	5.7	6.6	6.6	7.5	8.8
	3H	8.9	9.7	9.8	10.6	11.9	8.9	9.7	9.8	10.6	11.9
	4H	10.6	11.3	11.5	12.2	13.5	10.6	11.3	11.5	12.2	13.5
	6H	12.2	12.8	13.1	13.8	15.1	12.2	12.8	13.1	13.8	15.1
	8H	13.0	13.6	14.0	14.6	15.9	13.0	13.6	14.0	14.6	15.9
	12H	13.8	14.4	14.8	15.4	16.6	13.8	14.4	14.8	15.4	16.6
8H	4H	11.1	11.7	12.0	12.7	13.9	11.1	11.7	12.0	12.7	13.9
	6H	12.9	13.4	13.9	14.5	15.7	12.9	13.4	13.9	14.5	15.7
	8H	13.9	14.4	14.9	15.4	16.6	13.9	14.4	14.9	15.4	16.6
	12H	14.9	15.3	15.9	16.3	17.6	14.9	15.3	15.9	16.3	17.6
12H	4H	11.2	11.8	12.2	12.7	14.0	11.2	11.8	12.2	12.7	14.0
	6H	13.1	13.6	14.1	14.6	15.9	13.1	13.6	14.1	14.6	15.9
	8H	14.2	14.6	15.2	15.6	16.9	14.2	14.6	15.2	15.6	16.9

(END OF REPORT)