

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: P1244817

Luminaire Tested: PRLX-MIN-L-930-12L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244817
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-MIN-L-930-12L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

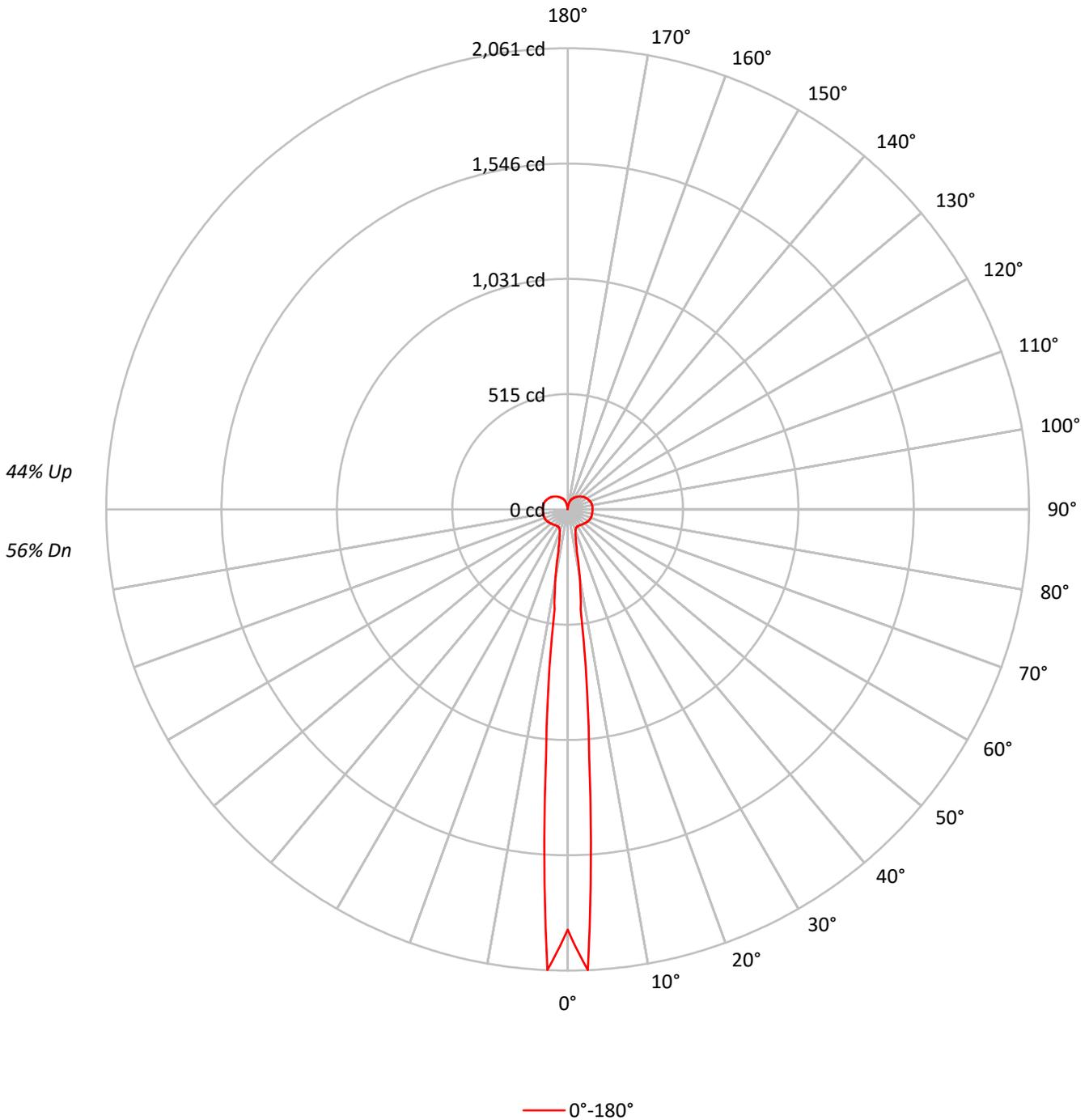
Lumens per Lamp: N/A
Luminaire Lumens: 1296.1 lumens
Efficiency: N/A
Efficacy: 42.5 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 30.5
Input Voltage (V): NR
Input Current (A_{in}): 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	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	56
1	95	89	83	78	88	82	77	73	70	66	63	59	56	53	48	46	44	39
2	85	76	68	62	79	70	63	58	60	54	50	50	46	42	41	38	35	30
3	77	66	57	50	71	61	53	47	52	46	41	43	39	35	36	32	29	25
4	71	58	49	42	65	54	46	40	46	40	35	39	34	30	32	28	25	21
5	65	52	43	36	60	48	40	34	41	35	30	35	30	26	29	25	22	18
6	60	47	38	32	55	44	36	30	38	31	26	32	27	23	27	22	19	16
7	56	43	34	28	52	40	32	27	35	28	24	29	24	21	25	21	18	15
8	52	39	31	25	48	37	29	24	32	26	21	27	22	19	23	19	16	14
9	49	36	28	23	45	34	27	22	30	24	20	26	21	17	22	18	15	13
10	46	34	26	21	43	32	25	20	28	22	18	24	19	16	21	17	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	59432
5°	27254
10°	6352
15°	2424
20°	1567
25°	1246
30°	1107
35°	1035
40°	1001
45°	985
50°	977
55°	983
60°	991
65°	1005
70°	1015
75°	1026
80°	1026
85°	1048

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1072 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.2	6.1
10°-20°	43.6	3.4
20°-30°	42.5	3.3
30°-40°	55.8	4.3
40°-50°	73.2	5.6
50°-60°	91.1	7.0
60°-70°	107.1	8.3
70°-80°	117.1	9.0
80°-90°	121.2	9.3
90°-100°	121.3	9.4
100°-110°	115.3	8.9
110°-120°	102.0	7.9
120°-130°	84.0	6.5
130°-140°	63.4	4.9
140°-150°	42.8	3.3
150°-160°	25.1	1.9
160°-170°	10.3	0.8
170°-180°	1.0	0.1
0°-30°	165.4	12.8
0°-40°	221.1	17.1
0°-60°	385.4	29.7
0°-90°	730.7	56.4
90°-120°	338.7	26.1
90°-150°	528.9	40.8
90°-180°	565.0	43.6
0°-180°	1296.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1879	
5°	1105	79
15°	139	44
25°	90	42
35°	88	56
45°	94	73
55°	102	91
65°	108	107
75°	111	117
85°	111	91
90°	111	61
95°	111	91
105°	109	115
115°	103	102
125°	94	84
135°	82	63
145°	68	43
155°	54	25
165°	36	10
175°	5	1
180°	1	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1878.6
2.5°	2060.8
5°	1104.9
7.5°	449.6
10°	312.3
12.5°	191.3
15°	139.2
17.5°	115.8
20°	102.2
22.5°	95.0
25°	90.4
27.5°	88.5
30°	87.8
32.5°	87.8
35°	88.5
37.5°	89.1
40°	91.1
42.5°	92.4
45°	94.4
47.5°	96.3
50°	97.6
52.5°	99.6
55°	101.5
57.5°	103.5
60°	104.8
62.5°	106.7
65°	108.0
67.5°	109.3
70°	110.0
72.5°	110.6
75°	111.3
77.5°	110.6
80°	110.6
82.5°	110.6
85°	111.3
87.5°	111.3
90°	111.3
92.5°	111.3
95°	111.3
97.5°	111.3
100°	110.6
102.5°	110.0
105°	109.3
107.5°	108.0
110°	106.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	104.8
115°	102.8
117.5°	100.9
120°	98.3
122.5°	96.3
125°	93.7
127.5°	91.1
130°	87.8
132.5°	85.2
135°	82.0
137.5°	78.1
140°	74.8
142.5°	71.6
145°	67.7
147.5°	64.4
150°	61.2
152.5°	57.3
155°	54.0
157.5°	50.1
160°	46.2
162.5°	41.6
165°	36.4
167.5°	29.3
170°	20.2
172.5°	12.4
175°	5.2
177.5°	1.3
180°	0.7



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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	7.6	8.6	8.4	9.5	10.7	7.6	8.6	8.4	9.5	10.7
	3H	10.6	11.5	11.5	12.4	13.6	10.6	11.5	11.5	12.4	13.6
	4H	12.0	12.9	12.9	13.8	15.0	12.0	12.9	12.9	13.8	15.0
	6H	13.4	14.3	14.3	15.2	16.4	13.4	14.3	14.3	15.2	16.4
	8H	14.1	14.9	15.0	15.8	17.0	14.1	14.9	15.0	15.8	17.0
	12H	14.7	15.5	15.6	16.5	17.7	14.7	15.5	15.6	16.5	17.7
4H	2H	8.3	9.3	9.3	10.2	11.4	8.3	9.3	9.3	10.2	11.4
	3H	11.5	12.3	12.4	13.3	14.5	11.5	12.3	12.4	13.3	14.5
	4H	13.1	13.8	14.0	14.8	16.0	13.1	13.8	14.0	14.8	16.0
	6H	14.7	15.3	15.6	16.3	17.5	14.7	15.3	15.6	16.3	17.5
	8H	15.4	16.0	16.4	17.0	18.3	15.4	16.0	16.4	17.0	18.3
	12H	16.2	16.8	17.1	17.7	19.0	16.2	16.8	17.1	17.7	19.0
8H	4H	13.6	14.2	14.5	15.2	16.5	13.6	14.2	14.5	15.2	16.5
	6H	15.4	15.9	16.3	16.9	18.2	15.4	15.9	16.3	16.9	18.2
	8H	16.3	16.8	17.2	17.8	19.0	16.3	16.8	17.2	17.8	19.0
	12H	17.2	17.6	18.2	18.6	19.9	17.2	17.6	18.2	18.6	19.9
12H	4H	13.7	14.3	14.7	15.3	16.5	13.7	14.3	14.7	15.3	16.5
	6H	15.6	16.0	16.5	17.0	18.3	15.6	16.0	16.5	17.0	18.3
	8H	16.5	17.0	17.5	18.0	19.3	16.5	17.0	17.5	18.0	19.3

(END OF REPORT)