

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: P1245043

Luminaire Tested: PRLX-NIM-L-930-12L-U-LF

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245043
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-NIM-L-930-12L-U-LF
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, LAYERED FINE SHADE TEXTURE LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

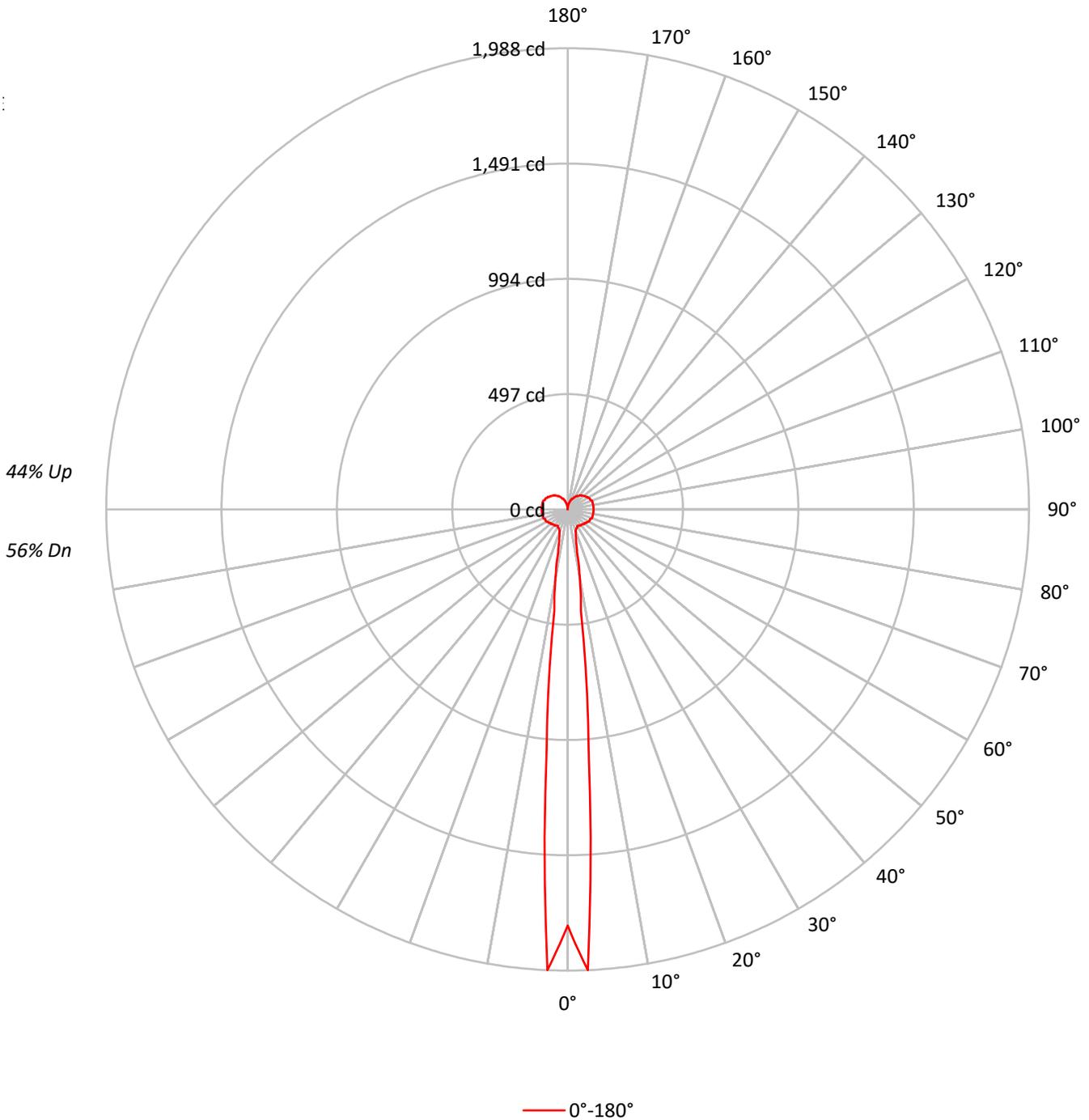
Lumens per Lamp: N/A
Luminaire Lumens: 1296.0 lumens
Efficiency: N/A
Efficacy: 42.5 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

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	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	56
1	95	89	83	78	87	82	77	73	70	66	62	58	55	53	48	45	43	38
2	85	76	68	61	78	70	63	57	59	54	49	49	45	42	40	37	34	30
3	77	66	57	50	71	61	53	47	52	45	40	43	38	34	35	31	28	24
4	71	58	49	42	65	54	46	40	46	39	34	38	33	29	31	27	24	20
5	65	52	43	36	60	48	40	34	41	35	30	34	29	25	28	24	21	18
6	60	47	38	32	55	44	36	30	37	31	26	31	26	22	26	22	19	16
7	56	43	34	28	51	40	32	27	34	28	23	29	24	20	24	20	17	15
8	52	39	31	25	48	36	29	24	32	25	21	27	22	18	23	19	16	13
9	49	36	28	23	45	34	27	22	29	23	19	25	20	17	21	17	15	12
10	46	33	26	21	43	31	25	20	27	22	18	24	19	16	20	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	56730
5°	25687
10°	6116
15°	2424
20°	1536
25°	1228
30°	1053
35°	977
40°	979
45°	930
50°	948
55°	971
60°	1000
65°	984
70°	1028
75°	1027
80°	1034
85°	1049

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1073 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.0	5.9
10°-20°	43.2	3.3
20°-30°	42.0	3.2
30°-40°	53.9	4.2
40°-50°	70.7	5.5
50°-60°	88.8	6.8
60°-70°	105.7	8.2
70°-80°	117.9	9.1
80°-90°	121.5	9.4
90°-100°	121.5	9.4
100°-110°	117.9	9.1
110°-120°	105.1	8.1
120°-130°	86.3	6.7
130°-140°	65.9	5.1
140°-150°	44.3	3.4
150°-160°	24.4	1.9
160°-170°	9.8	0.8
170°-180°	1.2	0.1
0°-30°	161.2	12.4
0°-40°	215.1	16.6
0°-60°	374.6	28.9
0°-90°	719.7	55.5
90°-120°	344.5	26.6
90°-150°	541.0	41.7
90°-180°	576.0	44.4
0°-180°	1296.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1793	
5°	1041	76
15°	139	43
25°	89	42
35°	84	54
45°	89	71
55°	100	89
65°	106	106
75°	111	118
85°	111	91
90°	111	61
95°	111	91
105°	111	118
115°	106	105
125°	95	86
135°	84	66
145°	72	44
155°	50	24
165°	33	10
175°	6	1
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1793.2
2.5°	1988.2
5°	1041.4
7.5°	440.0
10°	300.7
12.5°	189.3
15°	139.2
17.5°	117.0
20°	100.2
22.5°	94.7
25°	89.1
27.5°	89.1
30°	83.5
32.5°	83.5
35°	83.5
37.5°	89.1
40°	89.1
42.5°	89.1
45°	89.1
47.5°	94.7
50°	94.7
52.5°	94.7
55°	100.2
57.5°	100.2
60°	105.8
62.5°	105.8
65°	105.8
67.5°	105.8
70°	111.4
72.5°	111.4
75°	111.4
77.5°	111.4
80°	111.4
82.5°	111.4
85°	111.4
87.5°	111.4
90°	111.4
92.5°	111.4
95°	111.4
97.5°	111.4
100°	111.4
102.5°	111.4
105°	111.4
107.5°	111.4
110°	111.4



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	105.8
115°	105.8
117.5°	105.8
120°	100.2
122.5°	100.2
125°	94.7
127.5°	94.7
130°	89.1
132.5°	89.1
135°	83.5
137.5°	83.5
140°	78.0
142.5°	72.4
145°	72.4
147.5°	66.8
150°	61.3
152.5°	55.7
155°	50.1
157.5°	50.1
160°	44.6
162.5°	39.0
165°	33.4
167.5°	27.8
170°	22.3
172.5°	16.7
175°	5.6
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	7.3	8.4	8.2	9.3	10.5	7.3	8.4	8.2	9.3	10.5
	3H	10.4	11.4	11.3	12.3	13.5	10.4	11.4	11.3	12.3	13.5
	4H	11.9	12.8	12.8	13.7	15.0	11.9	12.8	12.8	13.7	15.0
	6H	13.3	14.2	14.3	15.1	16.4	13.3	14.2	14.3	15.1	16.4
	8H	14.0	14.8	14.9	15.8	17.0	14.0	14.8	14.9	15.8	17.0
	12H	14.7	15.5	15.6	16.4	17.7	14.7	15.5	15.6	16.4	17.7
4H	2H	8.1	9.0	9.1	10.0	11.2	8.1	9.0	9.1	10.0	11.2
	3H	11.4	12.2	12.3	13.2	14.4	11.4	12.2	12.3	13.2	14.4
	4H	13.0	13.8	14.0	14.7	16.0	13.0	13.8	14.0	14.7	16.0
	6H	14.6	15.3	15.6	16.3	17.5	14.6	15.3	15.6	16.3	17.5
	8H	15.4	16.0	16.3	17.0	18.3	15.4	16.0	16.3	17.0	18.3
	12H	16.2	16.7	17.1	17.7	19.0	16.2	16.7	17.1	17.7	19.0
8H	4H	13.6	14.2	14.5	15.1	16.4	13.6	14.2	14.5	15.1	16.4
	6H	15.3	15.9	16.3	16.9	18.2	15.3	15.9	16.3	16.9	18.2
	8H	16.3	16.7	17.2	17.7	19.0	16.3	16.7	17.2	17.7	19.0
	12H	17.2	17.6	18.2	18.6	20.0	17.2	17.6	18.2	18.6	20.0
12H	4H	13.7	14.2	14.6	15.2	16.5	13.7	14.2	14.6	15.2	16.5
	6H	15.5	16.0	16.5	17.0	18.3	15.5	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)