

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: P1244814

Luminaire Tested: PRLX-MIN-L-930-09L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244814
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-930-09L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

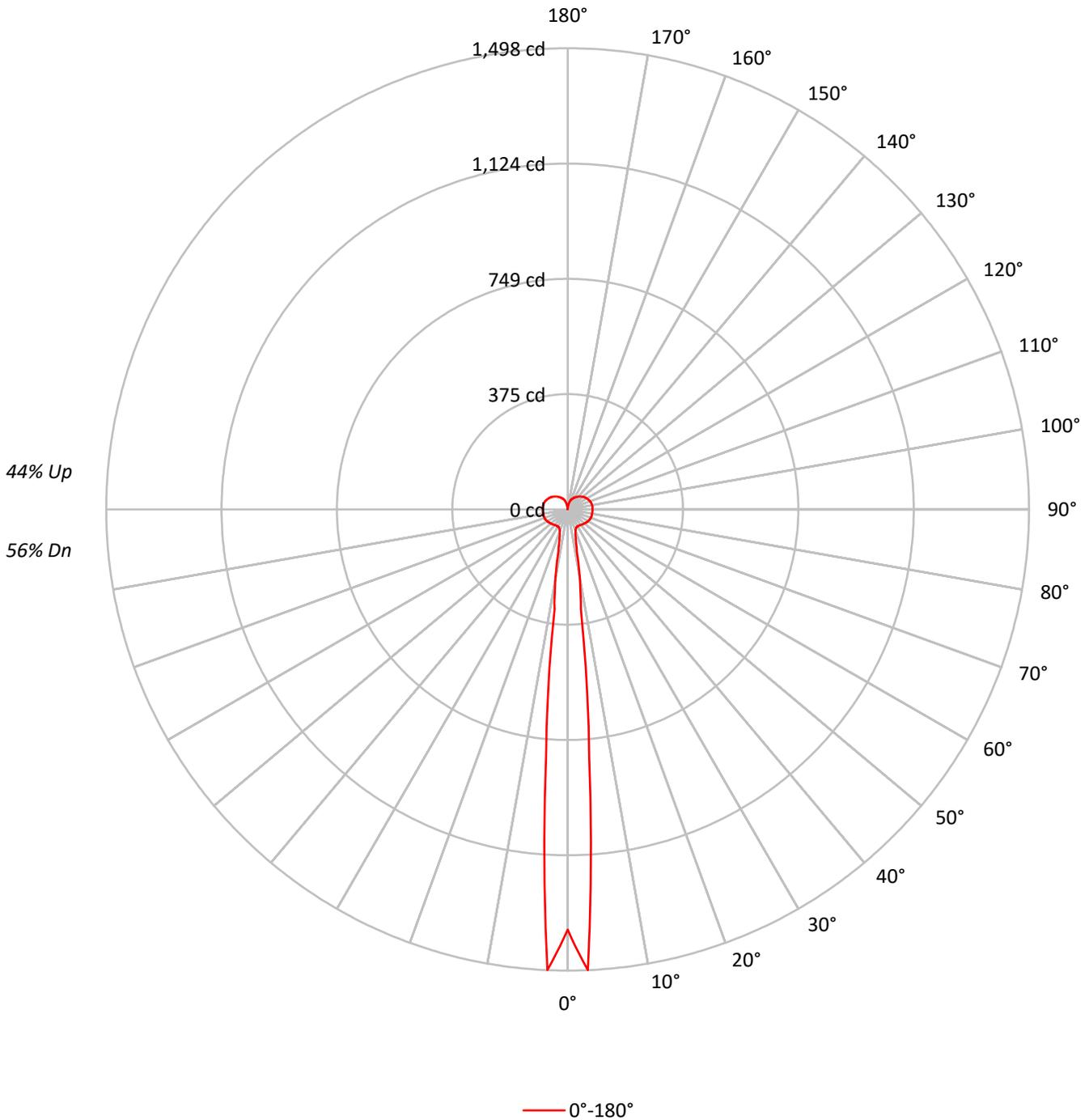
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 942.0 lumens
Efficiency: N/A
Efficacy: 41.7 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): 22.6
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°	43196
5°	19809
10°	4617
15°	1763
20°	1139
25°	906
30°	804
35°	752
40°	728
45°	716
50°	710
55°	715
60°	720
65°	730
70°	737
75°	746
80°	746
85°	762

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 779 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.6	6.1
10°-20°	31.7	3.4
20°-30°	30.9	3.3
30°-40°	40.5	4.3
40°-50°	53.2	5.6
50°-60°	66.2	7.0
60°-70°	77.8	8.3
70°-80°	85.1	9.0
80°-90°	88.1	9.3
90°-100°	88.2	9.4
100°-110°	83.8	8.9
110°-120°	74.1	7.9
120°-130°	61.0	6.5
130°-140°	46.1	4.9
140°-150°	31.1	3.3
150°-160°	18.2	1.9
160°-170°	7.5	0.8
170°-180°	0.7	0.1
0°-30°	120.2	12.8
0°-40°	160.7	17.1
0°-60°	280.1	29.7
0°-90°	531.1	56.4
90°-120°	246.2	26.1
90°-150°	384.4	40.8
90°-180°	411.0	43.6
0°-180°	942.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1365	
5°	803	58
15°	101	32
25°	66	31
35°	64	41
45°	69	53
55°	74	66
65°	78	78
75°	81	85
85°	81	66
90°	81	44
95°	81	66
105°	80	84
115°	75	74
125°	68	61
135°	60	46
145°	49	31
155°	39	18
165°	26	8
175°	4	1
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1365.4
2.5°	1497.9
5°	803.1
7.5°	326.8
10°	227.0
12.5°	139.1
15°	101.2
17.5°	84.2
20°	74.3
22.5°	69.1
25°	65.7
27.5°	64.3
30°	63.8
32.5°	63.8
35°	64.3
37.5°	64.8
40°	66.2
42.5°	67.2
45°	68.6
47.5°	70.0
50°	70.9
52.5°	72.4
55°	73.8
57.5°	75.2
60°	76.1
62.5°	77.6
65°	78.5
67.5°	79.5
70°	79.9
72.5°	80.4
75°	80.9
77.5°	80.4
80°	80.4
82.5°	80.4
85°	80.9
87.5°	80.9
90°	80.9
92.5°	80.9
95°	80.9
97.5°	80.9
100°	80.4
102.5°	79.9
105°	79.5
107.5°	78.5
110°	77.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	76.1
115°	74.7
117.5°	73.3
120°	71.4
122.5°	70.0
125°	68.1
127.5°	66.2
130°	63.8
132.5°	62.0
135°	59.6
137.5°	56.8
140°	54.4
142.5°	52.0
145°	49.2
147.5°	46.8
150°	44.5
152.5°	41.6
155°	39.3
157.5°	36.4
160°	33.6
162.5°	30.3
165°	26.5
167.5°	21.3
170°	14.7
172.5°	9.0
175°	3.8
177.5°	0.9
180°	0.5



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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	6.5	7.5	7.3	8.4	9.6	6.5	7.5	7.3	8.4	9.6
	3H	9.5	10.4	10.3	11.3	12.5	9.5	10.4	10.3	11.3	12.5
	4H	10.9	11.8	11.8	12.7	13.9	10.9	11.8	11.8	12.7	13.9
	6H	12.3	13.1	13.2	14.1	15.3	12.3	13.1	13.2	14.1	15.3
	8H	13.0	13.8	13.9	14.7	15.9	13.0	13.8	13.9	14.7	15.9
	12H	13.6	14.4	14.5	15.3	16.6	13.6	14.4	14.5	15.3	16.6
4H	2H	7.2	8.1	8.1	9.1	10.3	7.2	8.1	8.1	9.1	10.3
	3H	10.4	11.2	11.3	12.2	13.4	10.4	11.2	11.3	12.2	13.4
	4H	12.0	12.7	12.9	13.7	14.9	12.0	12.7	12.9	13.7	14.9
	6H	13.6	14.2	14.5	15.2	16.4	13.6	14.2	14.5	15.2	16.4
	8H	14.3	14.9	15.2	15.9	17.2	14.3	14.9	15.2	15.9	17.2
	12H	15.1	15.6	16.0	16.6	17.9	15.1	15.6	16.0	16.6	17.9
8H	4H	12.5	13.1	13.4	14.1	15.3	12.5	13.1	13.4	14.1	15.3
	6H	14.3	14.8	15.2	15.8	17.1	14.3	14.8	15.2	15.8	17.1
	8H	15.2	15.7	16.1	16.6	17.9	15.2	15.7	16.1	16.6	17.9
	12H	16.1	16.5	17.1	17.5	18.8	16.1	16.5	17.1	17.5	18.8
12H	4H	12.6	13.2	13.6	14.2	15.4	12.6	13.2	13.6	14.2	15.4
	6H	14.4	14.9	15.4	15.9	17.2	14.4	14.9	15.4	15.9	17.2
	8H	15.4	15.9	16.4	16.9	18.2	15.4	15.9	16.4	16.9	18.2

(END OF REPORT)