

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: P1244811

Luminaire Tested: PRLX-MIN-L-930-05L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244811
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-930-05L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

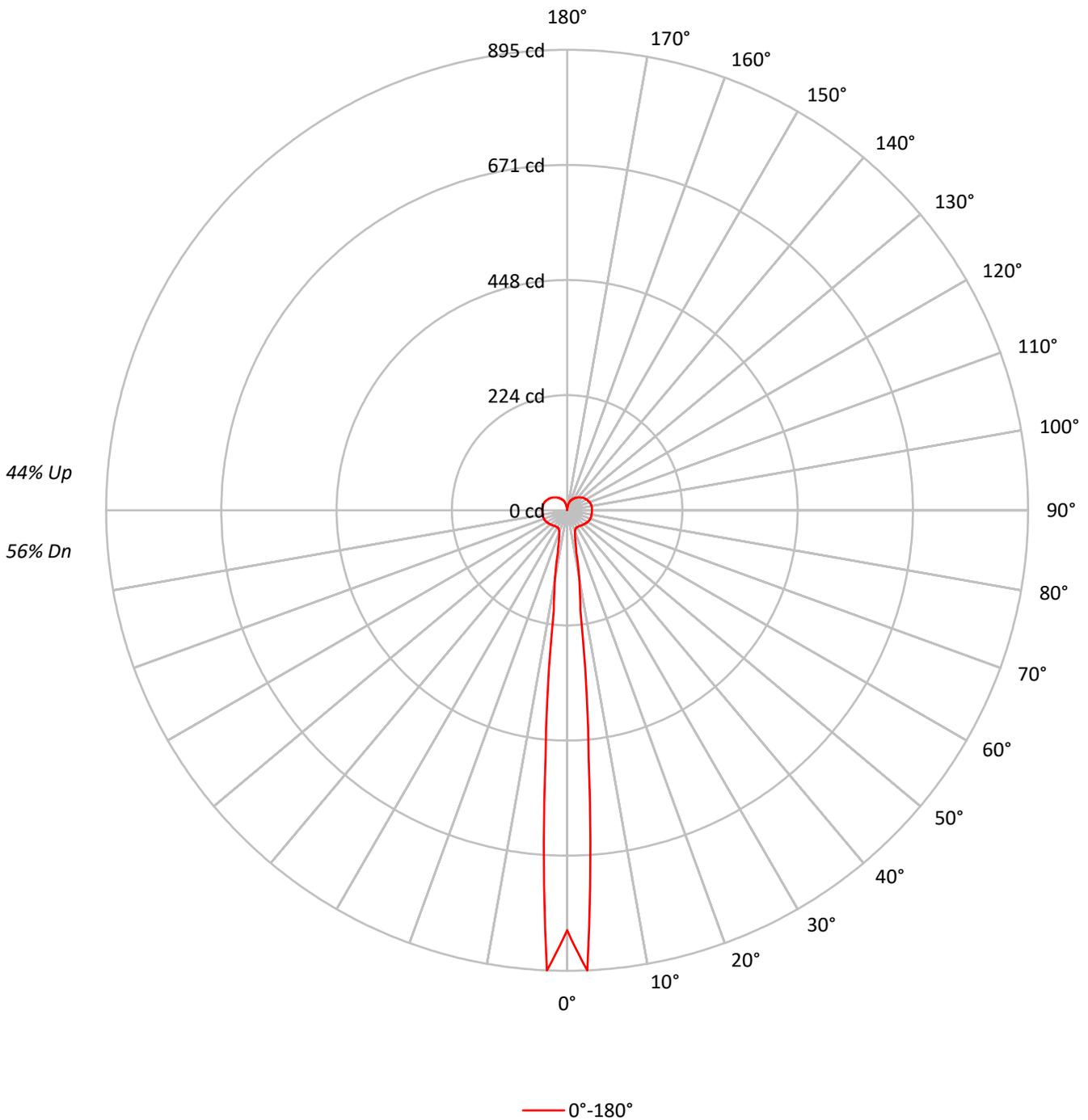
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 563.0 lumens
Efficiency: N/A
Efficacy: 38.0 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): 14.8
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°	25818
5°	11840
10°	2760
15°	1054
20°	681
25°	542
30°	482
35°	449
40°	435
45°	428
50°	424
55°	427
60°	430
65°	436
70°	441
75°	445
80°	446
85°	455

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 465 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.4	6.1
10°-20°	19.0	3.4
20°-30°	18.5	3.3
30°-40°	24.2	4.3
40°-50°	31.8	5.6
50°-60°	39.5	7.0
60°-70°	46.5	8.3
70°-80°	50.9	9.0
80°-90°	52.6	9.3
90°-100°	52.7	9.4
100°-110°	50.1	8.9
110°-120°	44.3	7.9
120°-130°	36.5	6.5
130°-140°	27.5	4.9
140°-150°	18.6	3.3
150°-160°	10.9	1.9
160°-170°	4.5	0.8
170°-180°	0.4	0.1
0°-30°	71.8	12.8
0°-40°	96.1	17.1
0°-60°	167.4	29.7
0°-90°	317.4	56.4
90°-120°	147.1	26.1
90°-150°	229.8	40.8
90°-180°	246.0	43.7
0°-180°	563.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	816	
5°	480	34
15°	60	19
25°	39	18
35°	38	24
45°	41	32
55°	44	40
65°	47	47
75°	48	51
85°	48	39
90°	48	26
95°	48	39
105°	48	50
115°	45	44
125°	41	36
135°	36	28
145°	29	19
155°	24	11
165°	16	4
175°	2	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	816.1
2.5°	895.2
5°	480.0
7.5°	195.3
10°	135.7
12.5°	83.1
15°	60.5
17.5°	50.3
20°	44.4
22.5°	41.3
25°	39.3
27.5°	38.4
30°	38.2
32.5°	38.2
35°	38.4
37.5°	38.7
40°	39.6
42.5°	40.1
45°	41.0
47.5°	41.8
50°	42.4
52.5°	43.2
55°	44.1
57.5°	44.9
60°	45.5
62.5°	46.4
65°	46.9
67.5°	47.5
70°	47.8
72.5°	48.1
75°	48.3
77.5°	48.1
80°	48.1
82.5°	48.1
85°	48.3
87.5°	48.3
90°	48.3
92.5°	48.3
95°	48.3
97.5°	48.3
100°	48.1
102.5°	47.8
105°	47.5
107.5°	46.9
110°	46.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	45.5
115°	44.7
117.5°	43.8
120°	42.7
122.5°	41.8
125°	40.7
127.5°	39.6
130°	38.2
132.5°	37.0
135°	35.6
137.5°	33.9
140°	32.5
142.5°	31.1
145°	29.4
147.5°	28.0
150°	26.6
152.5°	24.9
155°	23.5
157.5°	21.8
160°	20.1
162.5°	18.1
165°	15.8
167.5°	12.7
170°	8.8
172.5°	5.4
175°	2.3
177.5°	0.6
180°	0.3



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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	4.7	5.7	5.5	6.6	7.8	4.7	5.7	5.5	6.6	7.8
	3H	7.7	8.6	8.6	9.5	10.7	7.7	8.6	8.6	9.5	10.7
	4H	9.1	10.0	10.0	10.9	12.1	9.1	10.0	10.0	10.9	12.1
	6H	10.5	11.4	11.4	12.3	13.5	10.5	11.4	11.4	12.3	13.5
	8H	11.2	12.0	12.1	12.9	14.2	11.2	12.0	12.1	12.9	14.2
	12H	11.8	12.6	12.8	13.6	14.8	11.8	12.6	12.8	13.6	14.8
4H	2H	5.4	6.4	6.3	7.3	8.5	5.4	6.4	6.3	7.3	8.5
	3H	8.6	9.4	9.5	10.4	11.6	8.6	9.4	9.5	10.4	11.6
	4H	10.2	10.9	11.1	11.9	13.1	10.2	10.9	11.1	11.9	13.1
	6H	11.8	12.4	12.7	13.4	14.6	11.8	12.4	12.7	13.4	14.6
	8H	12.5	13.1	13.5	14.1	15.4	12.5	13.1	13.5	14.1	15.4
	12H	13.3	13.9	14.2	14.8	16.1	13.3	13.9	14.2	14.8	16.1
8H	4H	10.7	11.3	11.6	12.3	13.6	10.7	11.3	11.6	12.3	13.6
	6H	12.5	13.0	13.4	14.0	15.3	12.5	13.0	13.4	14.0	15.3
	8H	13.4	13.9	14.3	14.9	16.1	13.4	13.9	14.3	14.9	16.1
	12H	14.3	14.8	15.3	15.7	17.1	14.3	14.8	15.3	15.7	17.1
12H	4H	10.8	11.4	11.8	12.4	13.6	10.8	11.4	11.8	12.4	13.6
	6H	12.7	13.1	13.6	14.1	15.4	12.7	13.1	13.6	14.1	15.4
	8H	13.6	14.1	14.6	15.1	16.4	13.6	14.1	14.6	15.1	16.4

(END OF REPORT)