

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: P1244963

Luminaire Tested: PRLX-MIN-S-930-09L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244963
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-MIN-S-930-09L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL LINES SHADE TEXTURE, LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

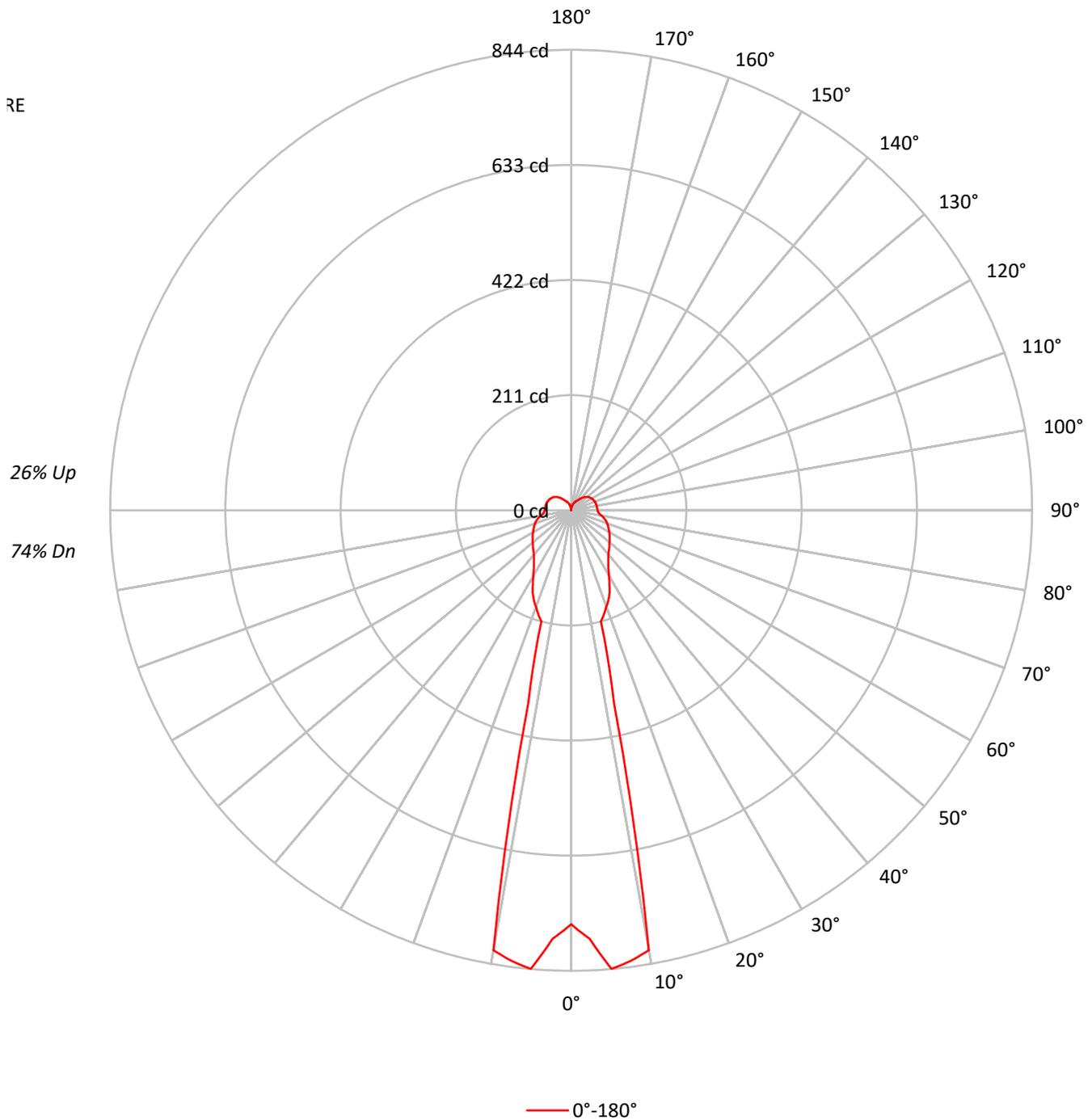
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 898.9 lumens
Efficiency: N/A
Efficacy: 42.2 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.38
Luminous Opening: Rectangular w/ Sides (W: 0.62' x L: 0.62' x H: 0.87')
CIE Type: Semi-Direct

Input Watts (W): 21.3
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	113	113	113	113	107	107	107	107	97	97	97		87	87	87		78	78	78	74
1	101	96	91	87	96	91	87	83	82	79	76		74	71	69		66	64	62	58
2	92	84	77	71	87	80	73	68	72	67	63		65	61	57		58	55	52	49
3	85	74	66	60	80	71	63	58	64	58	53		58	53	49		52	48	45	42
4	78	67	58	52	74	63	56	50	58	51	46		52	47	43		47	43	40	37
5	72	60	52	46	68	58	50	44	53	46	41		48	43	38		44	39	36	33
6	67	55	47	41	64	53	45	39	48	42	37		44	39	35		40	36	33	30
7	63	51	42	37	60	49	41	36	45	38	34		41	36	32		38	33	30	28
8	59	47	39	34	56	45	38	33	42	35	31		38	33	29		35	31	28	26
9	56	44	36	31	53	42	35	30	39	33	29		36	31	27		33	29	26	24
10	53	41	34	29	50	39	33	28	37	31	27		34	29	26		32	27	24	23

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	20912
5°	20802
10°	18396
15°	4378
20°	3659
25°	3074
30°	2442
35°	2019
40°	1761
45°	1605
50°	1477
55°	1385
60°	1302
65°	1229
70°	1173
75°	1100
80°	1008
85°	941

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1605 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.7	8.8
10°-20°	83.1	9.2
20°-30°	75.7	8.4
30°-40°	74.8	8.3
40°-50°	76.2	8.5
50°-60°	77.1	8.6
60°-70°	74.7	8.3
70°-80°	67.5	7.5
80°-90°	55.6	6.2
90°-100°	52.1	5.8
100°-110°	49.7	5.5
110°-120°	44.5	4.9
120°-130°	36.8	4.1
130°-140°	26.3	2.9
140°-150°	15.1	1.7
150°-160°	7.9	0.9
160°-170°	3.0	0.3
170°-180°	0.2	0.0
0°-30°	237.4	26.4
0°-40°	312.3	34.7
0°-60°	465.6	51.8
0°-90°	663.4	73.8
90°-120°	146.3	16.3
90°-150°	224.5	25.0
90°-180°	236.0	26.3
0°-180°	898.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	759	
5°	844	79
15°	211	83
25°	167	76
35°	118	75
45°	98	76
55°	86	77
65°	75	75
75°	64	68
85°	50	42
90°	48	27
95°	48	39
105°	47	50
115°	45	44
125°	41	37
135°	34	26
145°	23	15
155°	16	8
165°	10	3
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	758.9
2.5°	786.5
5°	843.6
7.5°	833.3
10°	818.8
12.5°	362.2
15°	210.7
17.5°	199.7
20°	188.0
22.5°	178.4
25°	166.7
27.5°	151.5
30°	138.4
32.5°	126.7
35°	118.5
37.5°	111.6
40°	106.1
42.5°	101.9
45°	98.5
47.5°	95.0
50°	91.6
52.5°	88.8
55°	86.1
57.5°	83.3
60°	80.6
62.5°	77.8
65°	75.1
67.5°	73.0
70°	70.2
72.5°	67.5
75°	64.0
77.5°	60.6
80°	56.5
82.5°	52.3
85°	50.3
87.5°	48.9
90°	48.2
92.5°	48.2
95°	47.5
97.5°	47.5
100°	47.5
102.5°	47.5
105°	46.8
107.5°	46.8
110°	46.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	45.5
115°	44.8
117.5°	44.1
120°	43.4
122.5°	42.0
125°	41.3
127.5°	39.9
130°	37.9
132.5°	36.5
135°	33.7
137.5°	31.7
140°	28.9
142.5°	26.2
145°	23.4
147.5°	21.3
150°	20.0
152.5°	18.6
155°	16.5
157.5°	15.2
160°	13.8
162.5°	12.4
165°	10.3
167.5°	8.3
170°	5.5
172.5°	2.8
175°	0.7
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	9.8	11.0	10.5	11.7	12.6	9.8	11.0	10.5	11.7	12.6
	3H	12.1	13.2	12.8	13.9	14.8	12.1	13.2	12.8	13.9	14.8
	4H	13.2	14.2	13.9	14.9	15.9	13.2	14.2	13.9	14.9	15.9
	6H	14.1	15.1	14.9	15.8	16.8	14.1	15.1	14.9	15.8	16.8
	8H	14.6	15.4	15.3	16.2	17.2	14.6	15.4	15.3	16.2	17.2
	12H	15.0	15.8	15.7	16.6	17.6	15.0	15.8	15.7	16.6	17.6
4H	2H	10.4	11.4	11.2	12.2	13.1	10.4	11.4	11.2	12.2	13.1
	3H	12.9	13.8	13.7	14.6	15.5	12.9	13.8	13.7	14.6	15.5
	4H	14.1	14.9	14.9	15.7	16.7	14.1	14.9	14.9	15.7	16.7
	6H	15.3	16.0	16.1	16.8	17.8	15.3	16.0	16.1	16.8	17.8
	8H	15.8	16.4	16.6	17.2	18.2	15.8	16.4	16.6	17.2	18.2
	12H	16.3	16.9	17.1	17.7	18.7	16.3	16.9	17.1	17.7	18.7
8H	4H	14.5	15.2	15.3	16.0	17.0	14.5	15.2	15.3	16.0	17.0
	6H	15.8	16.4	16.6	17.2	18.2	15.8	16.4	16.6	17.2	18.2
	8H	16.4	17.0	17.3	17.8	18.8	16.4	17.0	17.3	17.8	18.8
	12H	17.1	17.6	17.9	18.4	19.5	17.1	17.6	17.9	18.4	19.5
12H	4H	14.6	15.2	15.4	16.0	17.0	14.6	15.2	15.4	16.0	17.0
	6H	15.9	16.4	16.8	17.3	18.3	15.9	16.4	16.8	17.3	18.3
	8H	16.6	17.1	17.5	17.9	19.0	16.6	17.1	17.5	17.9	19.0

(END OF REPORT)