

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: P1244997

Luminaire Tested: PRLX-MIN-S-940-12L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244997
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-940-12L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

Summary

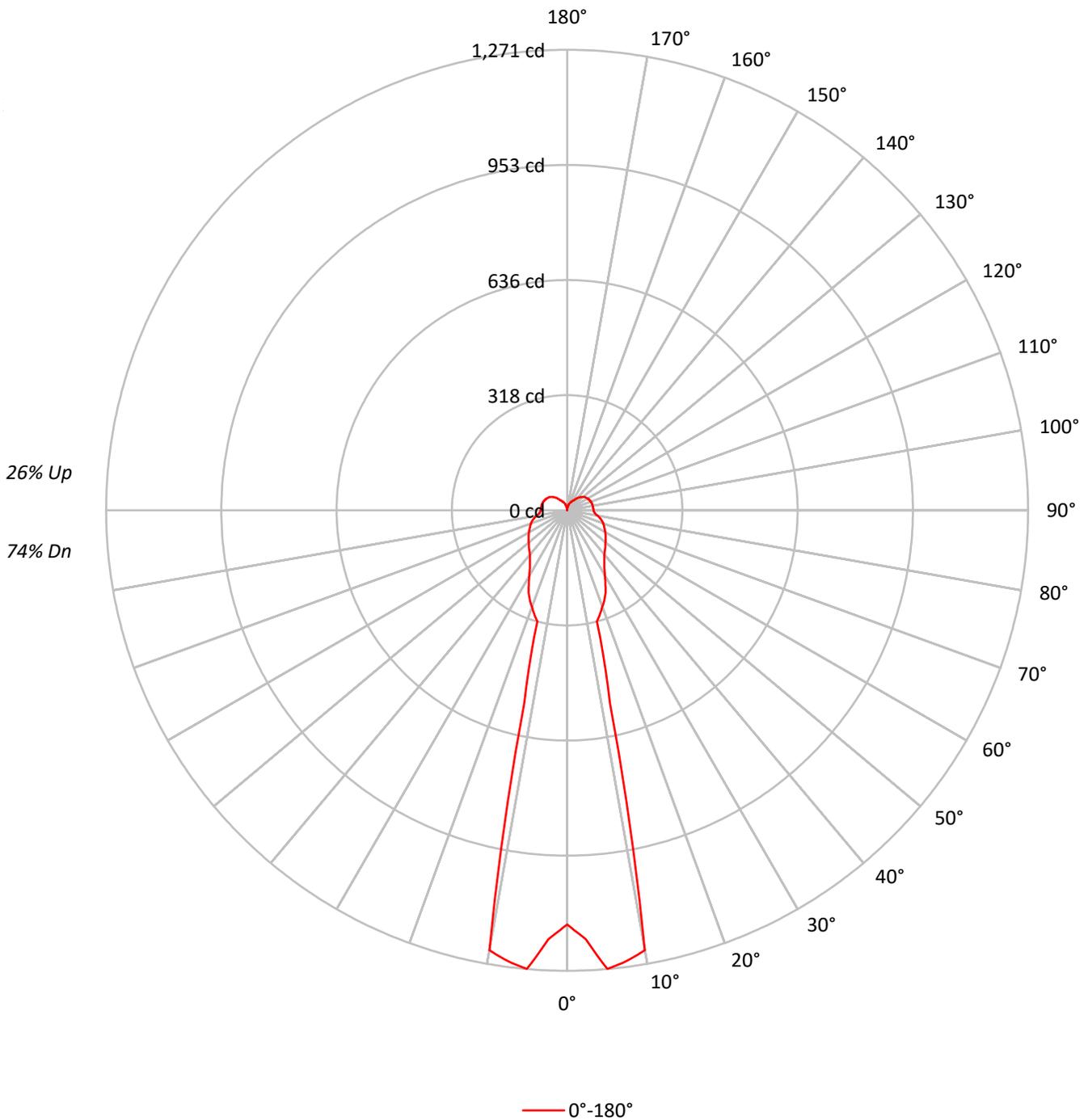
Lumens per Lamp: N/A
Luminaire Lumens: 1354.0 lumens
Efficiency: N/A
Efficacy: 46.9 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.38
Luminous Opening: Rectangular w/ Sides (W: 0.62' x L: 0.62' x H: 0.87')
CIE Type: Semi-Direct

Input Watts (W): 28.9
Input Voltage (V): NR
Input Current (Ain): 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°	31496
5°	31331
10°	27709
15°	6595
20°	5512
25°	4628
30°	3679
35°	3039
40°	2650
45°	2416
50°	2225
55°	2086
60°	1962
65°	1851
70°	1767
75°	1659
80°	1519
85°	1416

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2416 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.5	8.8
10°-20°	125.1	9.2
20°-30°	113.9	8.4
30°-40°	112.7	8.3
40°-50°	114.7	8.5
50°-60°	116.2	8.6
60°-70°	112.5	8.3
70°-80°	101.7	7.5
80°-90°	83.7	6.2
90°-100°	78.5	5.8
100°-110°	74.9	5.5
110°-120°	67.0	4.9
120°-130°	55.4	4.1
130°-140°	39.6	2.9
140°-150°	22.7	1.7
150°-160°	11.8	0.9
160°-170°	4.5	0.3
170°-180°	0.3	0.0
0°-30°	357.6	26.4
0°-40°	470.3	34.7
0°-60°	701.2	51.8
0°-90°	999.2	73.8
90°-120°	220.4	16.3
90°-150°	338.2	25.0
90°-180°	355.0	26.2
0°-180°	1354.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1143	
5°	1271	119
15°	317	125
25°	251	114
35°	178	113
45°	148	115
55°	130	116
65°	113	113
75°	96	102
85°	76	64
90°	73	40
95°	72	59
105°	70	75
115°	67	67
125°	62	55
135°	51	40
145°	35	23
155°	25	12
165°	16	5
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1143.0
2.5°	1184.5
5°	1270.6
7.5°	1255.0
10°	1233.3
12.5°	545.6
15°	317.4
17.5°	300.8
20°	283.2
22.5°	268.6
25°	251.0
27.5°	228.2
30°	208.5
32.5°	190.9
35°	178.4
37.5°	168.0
40°	159.7
42.5°	153.5
45°	148.3
47.5°	143.1
50°	138.0
52.5°	133.8
55°	129.7
57.5°	125.5
60°	121.4
62.5°	117.2
65°	113.1
67.5°	109.9
70°	105.8
72.5°	101.6
75°	96.5
77.5°	91.3
80°	85.1
82.5°	78.8
85°	75.7
87.5°	73.6
90°	72.6
92.5°	72.6
95°	71.6
97.5°	71.6
100°	71.6
102.5°	71.6
105°	70.5
107.5°	70.5
110°	69.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	68.5
115°	67.4
117.5°	66.4
120°	65.3
122.5°	63.3
125°	62.2
127.5°	60.2
130°	57.0
132.5°	55.0
135°	50.8
137.5°	47.7
140°	43.6
142.5°	39.4
145°	35.3
147.5°	32.2
150°	30.1
152.5°	28.0
155°	24.9
157.5°	22.8
160°	20.7
162.5°	18.7
165°	15.6
167.5°	12.4
170°	8.3
172.5°	4.1
175°	1.0
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	11.2	12.4	11.9	13.1	14.0	11.2	12.4	11.9	13.1	14.0
	3H	13.5	14.6	14.3	15.3	16.3	13.5	14.6	14.3	15.3	16.3
	4H	14.6	15.6	15.3	16.4	17.3	14.6	15.6	15.3	16.4	17.3
	6H	15.6	16.5	16.3	17.3	18.2	15.6	16.5	16.3	17.3	18.2
	8H	16.0	16.9	16.7	17.7	18.6	16.0	16.9	16.7	17.7	18.6
	12H	16.4	17.2	17.2	18.0	19.0	16.4	17.2	17.2	18.0	19.0
4H	2H	11.8	12.8	12.6	13.6	14.5	11.8	12.8	12.6	13.6	14.5
	3H	14.4	15.2	15.1	16.0	17.0	14.4	15.2	15.1	16.0	17.0
	4H	15.6	16.3	16.3	17.1	18.1	15.6	16.3	16.3	17.1	18.1
	6H	16.7	17.4	17.5	18.2	19.2	16.7	17.4	17.5	18.2	19.2
	8H	17.2	17.8	18.0	18.7	19.6	17.2	17.8	18.0	18.7	19.6
	12H	17.7	18.3	18.5	19.1	20.1	17.7	18.3	18.5	19.1	20.1
8H	4H	15.9	16.6	16.7	17.4	18.4	15.9	16.6	16.7	17.4	18.4
	6H	17.2	17.8	18.1	18.7	19.6	17.2	17.8	18.1	18.7	19.6
	8H	17.9	18.4	18.7	19.2	20.2	17.9	18.4	18.7	19.2	20.2
	12H	18.5	19.0	19.4	19.8	20.9	18.5	19.0	19.4	19.8	20.9
12H	4H	16.0	16.6	16.8	17.4	18.4	16.0	16.6	16.8	17.4	18.4
	6H	17.4	17.9	18.2	18.7	19.7	17.4	17.9	18.2	18.7	19.7
	8H	18.1	18.5	18.9	19.4	20.4	18.1	18.5	18.9	19.4	20.4

(END OF REPORT)