

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: P1244949

Luminaire Tested: PRLX-MIN-S-927-09L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244949
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-927-09L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE
LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

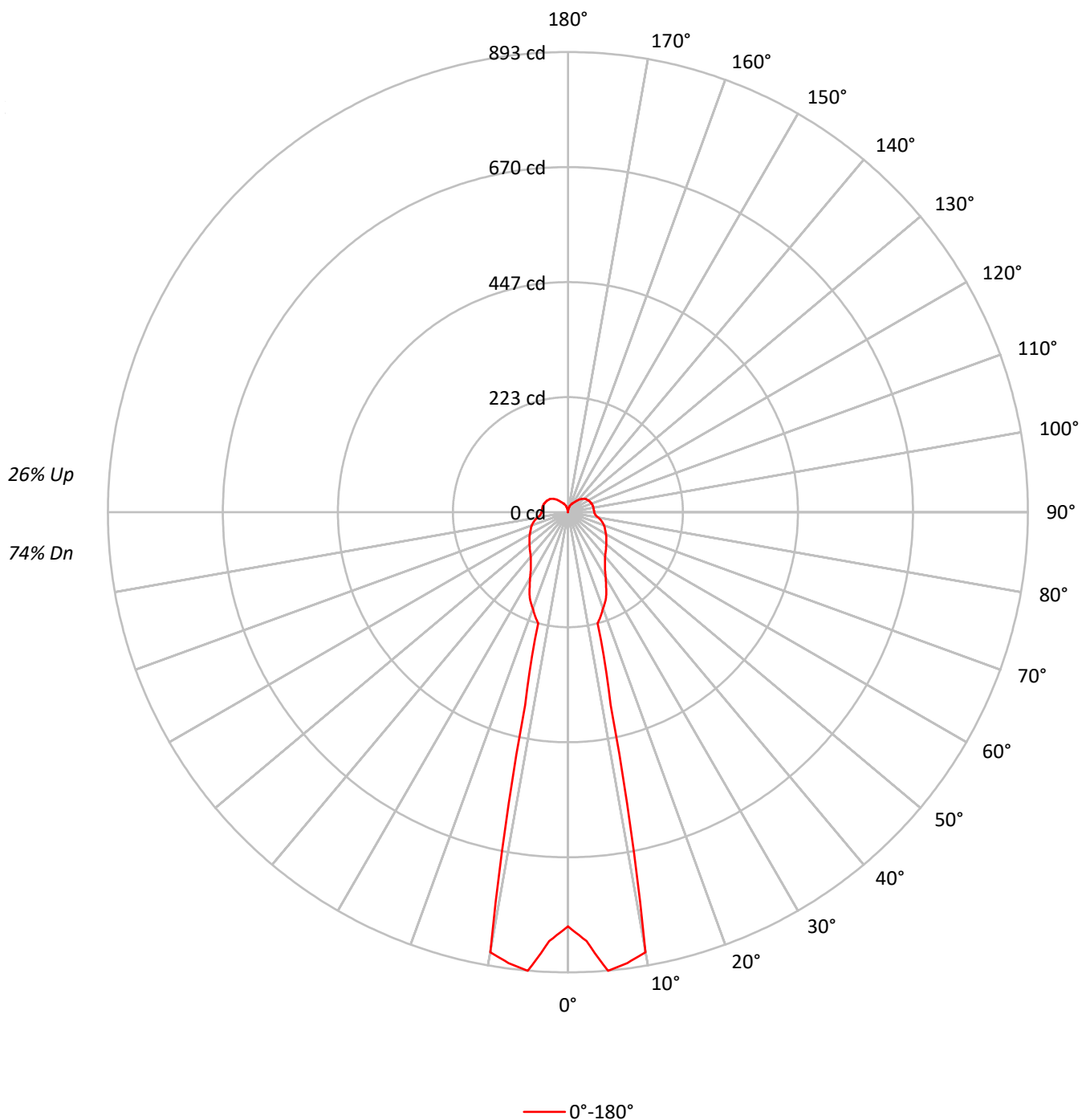
Lumens per Lamp: N/A
Luminaire Lumens: 951.9 lumens
Efficiency: N/A
Efficacy: 44.7 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.38
Luminous Opening: Rectangular w/ Sides (W: 0.62' x L: 0.62' x H: 0.87')
CIE Type: Semi-Direct

Input Watts (W): 21.3
Input Voltage (V): NR
Input Current (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

TEST NUMBER: P1244949

CATALOG NUMBER: PRLX-MIN-S-927-09L-U-OW

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			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
R																				
C	0	113	113	113	113	107	107	107	107	97	97	97	87	87	87	78	78	78	74	
R	1	101	96	91	87	96	91	87	83	82	79	76	74	71	69	66	64	62	58	
C	2	92	84	77	71	87	80	73	68	72	67	63	65	61	57	58	55	52	49	
R	3	85	74	66	60	80	71	63	58	64	58	53	58	53	49	52	48	45	42	
C	4	78	67	58	52	74	63	56	50	58	51	46	52	47	43	47	43	40	37	
R	5	72	60	52	46	68	58	50	44	53	46	41	48	43	38	44	39	36	33	
C	6	67	55	47	41	64	53	45	39	48	42	37	44	39	35	40	36	33	30	
R	7	63	51	42	37	60	49	41	36	45	38	34	41	36	32	38	33	30	28	
C	8	59	47	39	34	56	45	38	33	42	35	31	38	33	29	35	31	28	26	
R	9	56	44	36	31	53	42	35	30	39	33	29	36	31	27	33	29	26	24	
C	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°	22146
5°	22030
10°	19481
15°	4638
20°	3875
25°	3254
30°	2586
35°	2136
40°	1863
45°	1699
50°	1564
55°	1467
60°	1378
65°	1301
70°	1243
75°	1165
80°	1067
85°	995

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1699 cd/sqm

TEST NUMBER: P1244949

CATALOG NUMBER: PRLX-MIN-S-927-09L-U-OW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.3	8.8
10°-20°	88.0	9.2
20°-30°	80.1	8.4
30°-40°	79.2	8.3
40°-50°	80.7	8.5
50°-60°	81.7	8.6
60°-70°	79.1	8.3
70°-80°	71.5	7.5
80°-90°	58.9	6.2
90°-100°	55.2	5.8
100°-110°	52.7	5.5
110°-120°	47.1	4.9
120°-130°	39.0	4.1
130°-140°	27.8	2.9
140°-150°	16.0	1.7
150°-160°	8.3	0.9
160°-170°	3.2	0.3
170°-180°	0.2	0.0
0°-30°	251.4	26.4
0°-40°	330.7	34.7
0°-60°	493.0	51.8
0°-90°	702.5	73.8
90°-120°	154.9	16.3
90°-150°	237.7	25.0
90°-180°	249.0	26.2
0°-180°	951.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	804	
5°	893	83
15°	223	88
25°	176	80
35°	125	79
45°	104	81
55°	91	82
65°	80	79
75°	68	72
85°	53	45
90°	51	28
95°	50	41
105°	50	53
115°	47	47
125°	44	39
135°	36	28
145°	25	16
155°	18	8
165°	11	3
175°	1	0
180°	0	

TEST NUMBER: P1244949

CATALOG NUMBER: PRLX-MIN-S-927-09L-U-OW

CANDELA DISTRIBUTION (FULL):

0°	
0°	803.7
2.5°	832.8
5°	893.4
7.5°	882.4
10°	867.1
12.5°	383.6
15°	223.2
17.5°	211.5
20°	199.1
22.5°	188.9
25°	176.5
27.5°	160.4
30°	146.6
32.5°	134.2
35°	125.4
37.5°	118.1
40°	112.3
42.5°	107.9
45°	104.3
47.5°	100.6
50°	97.0
52.5°	94.1
55°	91.2
57.5°	88.2
60°	85.3
62.5°	82.4
65°	79.5
67.5°	77.3
70°	74.4
72.5°	71.5
75°	67.8
77.5°	64.2
80°	59.8
82.5°	55.4
85°	53.2
87.5°	51.8
90°	51.0
92.5°	51.0
95°	50.3
97.5°	50.3
100°	50.3
102.5°	50.3
105°	49.6
107.5°	49.6
110°	48.9

TEST NUMBER: P1244949

CATALOG NUMBER: PRLX-MIN-S-927-09L-U-OW

CANDELA DISTRIBUTION (continued):

	0°
112.5°	48.1
115°	47.4
117.5°	46.7
120°	45.9
122.5°	44.5
125°	43.8
127.5°	42.3
130°	40.1
132.5°	38.7
135°	35.7
137.5°	33.5
140°	30.6
142.5°	27.7
145°	24.8
147.5°	22.6
150°	21.1
152.5°	19.7
155°	17.5
157.5°	16.0
160°	14.6
162.5°	13.1
165°	10.9
167.5°	8.8
170°	5.8
172.5°	2.9
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	10.0	11.1	10.7	11.9	12.8	10.0	11.1	10.7	11.9	12.8
	3H	12.3	13.4	13.0	14.1	15.0	12.3	13.4	13.0	14.1	15.0
	4H	13.4	14.4	14.1	15.1	16.1	13.4	14.4	14.1	15.1	16.1
	6H	14.3	15.3	15.1	16.0	17.0	14.3	15.3	15.1	16.0	17.0
	8H	14.8	15.6	15.5	16.4	17.4	14.8	15.6	15.5	16.4	17.4
	12H	15.2	16.0	15.9	16.8	17.8	15.2	16.0	15.9	16.8	17.8
4H	2H	10.6	11.6	11.3	12.4	13.3	10.6	11.6	11.3	12.4	13.3
	3H	13.1	14.0	13.9	14.8	15.7	13.1	14.0	13.9	14.8	15.7
	4H	14.3	15.1	15.1	15.9	16.9	14.3	15.1	15.1	15.9	16.9
	6H	15.5	16.2	16.3	17.0	18.0	15.5	16.2	16.3	17.0	18.0
	8H	16.0	16.6	16.8	17.4	18.4	16.0	16.6	16.8	17.4	18.4
	12H	16.5	17.1	17.3	17.9	18.9	16.5	17.1	17.3	17.9	18.9
8H	4H	14.7	15.4	15.5	16.2	17.2	14.7	15.4	15.5	16.2	17.2
	6H	16.0	16.6	16.8	17.4	18.4	16.0	16.6	16.8	17.4	18.4
	8H	16.6	17.2	17.5	18.0	19.0	16.6	17.2	17.5	18.0	19.0
	12H	17.3	17.8	18.1	18.6	19.7	17.3	17.8	18.1	18.6	19.7
12H	4H	14.8	15.4	15.6	16.2	17.2	14.8	15.4	15.6	16.2	17.2
	6H	16.1	16.6	17.0	17.5	18.5	16.1	16.6	17.0	17.5	18.5
	8H	16.8	17.3	17.7	18.1	19.2	16.8	17.3	17.7	18.1	19.2

(END OF REPORT)