

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: P1244862

Luminaire Tested: PRLX-MIN-L-940-09L-U-OW

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1244862  
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-940-09L-U-OW  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 3  
Light Source: -  
Ballast/Driver: -

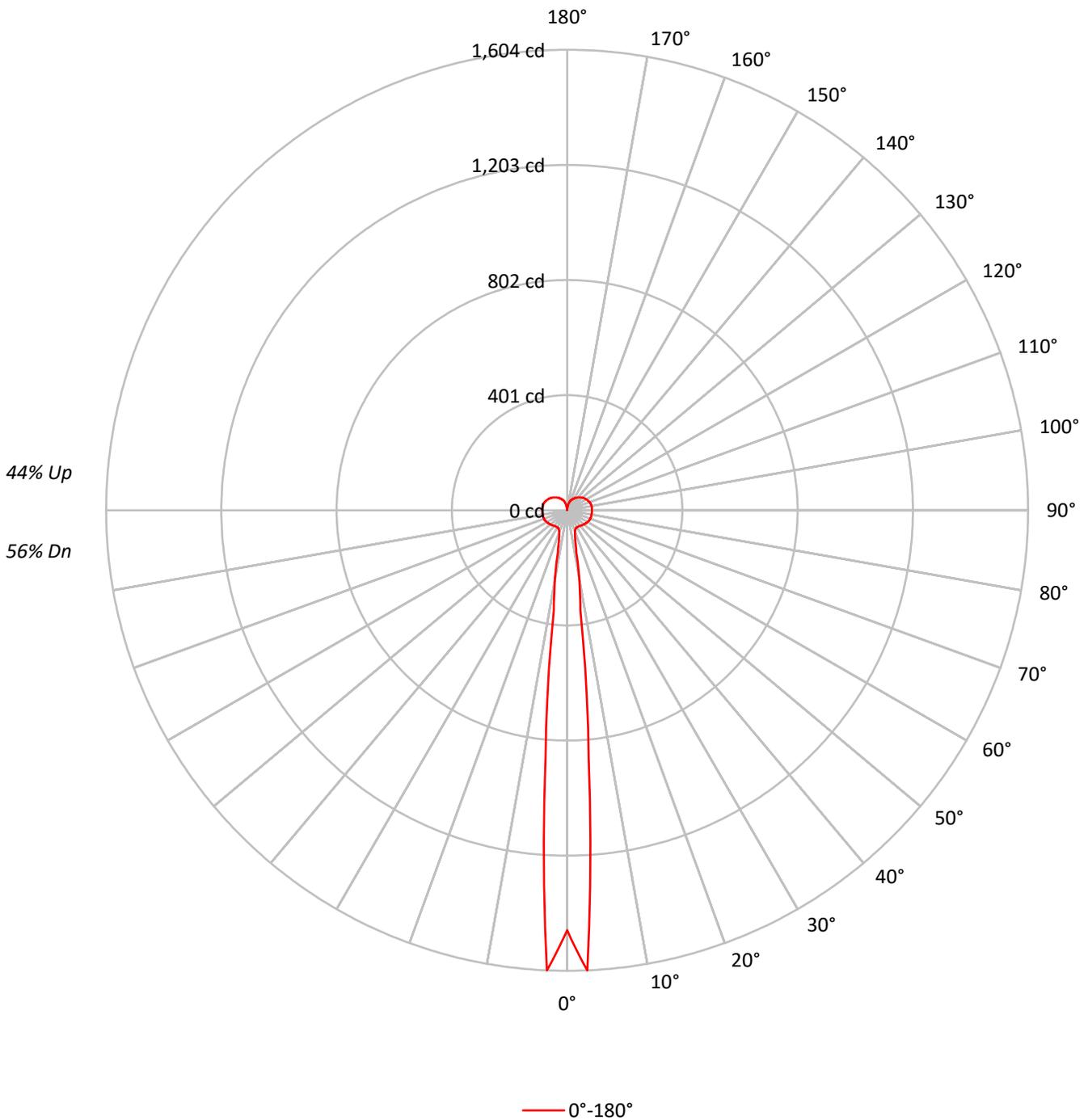
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1008.9 lumens  
Efficiency: N/A  
Efficacy: 44.6 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<sub>in</sub>): 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: P1244862

CATALOG NUMBER: PRLX-MIN-L-940-09L-U-OW

### Luminous Intensity Polar Plot





TEST NUMBER: P1244862

CATALOG NUMBER: PRLX-MIN-L-940-09L-U-OW

**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	37	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°	46271
5°	21218
10°	4947
15°	1888
20°	1219
25°	970
30°	862
35°	806
40°	779
45°	767
50°	761
55°	765
60°	772
65°	782
70°	790
75°	798
80°	799
85°	815

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 834 cd/sqm

TEST NUMBER: P1244862

CATALOG NUMBER: PRLX-MIN-L-940-09L-U-OW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.7	6.1
10°-20°	34.0	3.4
20°-30°	33.1	3.3
30°-40°	43.4	4.3
40°-50°	57.0	5.6
50°-60°	70.9	7.0
60°-70°	83.4	8.3
70°-80°	91.2	9.0
80°-90°	94.3	9.3
90°-100°	94.4	9.4
100°-110°	89.8	8.9
110°-120°	79.4	7.9
120°-130°	65.4	6.5
130°-140°	49.4	4.9
140°-150°	33.4	3.3
150°-160°	19.5	1.9
160°-170°	8.0	0.8
170°-180°	0.8	0.1
0°-30°	128.8	12.8
0°-40°	172.2	17.1
0°-60°	300.0	29.7
0°-90°	568.8	56.4
90°-120°	263.6	26.1
90°-150°	411.7	40.8
90°-180°	440.0	43.6
0°-180°	1008.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1463	
5°	860	62
15°	108	34
25°	70	33
35°	69	43
45°	74	57
55°	79	71
65°	84	83
75°	87	91
85°	87	71
90°	87	47
95°	87	71
105°	85	90
115°	80	79
125°	73	65
135°	64	49
145°	53	33
155°	42	20
165°	28	8
175°	4	1
180°	0	

TEST NUMBER: P1244862

CATALOG NUMBER: PRLX-MIN-L-940-09L-U-OW

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1462.6
2.5°	1604.4
5°	860.2
7.5°	350.1
10°	243.2
12.5°	148.9
15°	108.4
17.5°	90.2
20°	79.5
22.5°	74.0
25°	70.4
27.5°	68.9
30°	68.4
32.5°	68.4
35°	68.9
37.5°	69.4
40°	70.9
42.5°	71.9
45°	73.5
47.5°	75.0
50°	76.0
52.5°	77.5
55°	79.0
57.5°	80.5
60°	81.6
62.5°	83.1
65°	84.1
67.5°	85.1
70°	85.6
72.5°	86.1
75°	86.6
77.5°	86.1
80°	86.1
82.5°	86.1
85°	86.6
87.5°	86.6
90°	86.6
92.5°	86.6
95°	86.6
97.5°	86.6
100°	86.1
102.5°	85.6
105°	85.1
107.5°	84.1
110°	83.1

TEST NUMBER: P1244862

CATALOG NUMBER: PRLX-MIN-L-940-09L-U-OW

**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	81.6
115°	80.0
117.5°	78.5
120°	76.5
122.5°	75.0
125°	73.0
127.5°	70.9
130°	68.4
132.5°	66.4
135°	63.8
137.5°	60.8
140°	58.3
142.5°	55.7
145°	52.7
147.5°	50.2
150°	47.6
152.5°	44.6
155°	42.0
157.5°	39.0
160°	36.0
162.5°	32.4
165°	28.4
167.5°	22.8
170°	15.7
172.5°	9.6
175°	4.1
177.5°	1.0
180°	0.5



TEST NUMBER: P1244862

CATALOG NUMBER: PRLX-MIN-L-940-09L-U-OW

**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	6.7	7.7	7.6	8.6	9.8	6.7	7.7	7.6	8.6	9.8
	3H	9.7	10.7	10.6	11.6	12.8	9.7	10.7	10.6	11.6	12.8
	4H	11.1	12.0	12.0	13.0	14.2	11.1	12.0	12.0	13.0	14.2
	6H	12.5	13.4	13.4	14.3	15.5	12.5	13.4	13.4	14.3	15.5
	8H	13.2	14.0	14.1	15.0	16.2	13.2	14.0	14.1	15.0	16.2
	12H	13.8	14.6	14.8	15.6	16.8	13.8	14.6	14.8	15.6	16.8
4H	2H	7.5	8.4	8.4	9.3	10.5	7.5	8.4	8.4	9.3	10.5
	3H	10.6	11.4	11.6	12.4	13.6	10.6	11.4	11.6	12.4	13.6
	4H	12.2	13.0	13.2	13.9	15.2	12.2	13.0	13.2	13.9	15.2
	6H	13.8	14.4	14.7	15.4	16.7	13.8	14.4	14.7	15.4	16.7
	8H	14.5	15.2	15.5	16.1	17.4	14.5	15.2	15.5	16.1	17.4
	12H	15.3	15.9	16.3	16.9	18.1	15.3	15.9	16.3	16.9	18.1
8H	4H	12.7	13.4	13.7	14.3	15.6	12.7	13.4	13.7	14.3	15.6
	6H	14.5	15.0	15.5	16.0	17.3	14.5	15.0	15.5	16.0	17.3
	8H	15.4	15.9	16.4	16.9	18.1	15.4	15.9	16.4	16.9	18.1
	12H	16.3	16.8	17.3	17.8	19.1	16.3	16.8	17.3	17.8	19.1
12H	4H	12.8	13.4	13.8	14.4	15.7	12.8	13.4	13.8	14.4	15.7
	6H	14.7	15.2	15.7	16.2	17.4	14.7	15.2	15.7	16.2	17.4
	8H	15.7	16.1	16.6	17.1	18.4	15.7	16.1	16.6	17.1	18.4

(END OF REPORT)