

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: P1244865

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

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1244865  
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-940-12L-U-OW  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 4  
Light Source: -  
Ballast/Driver: -

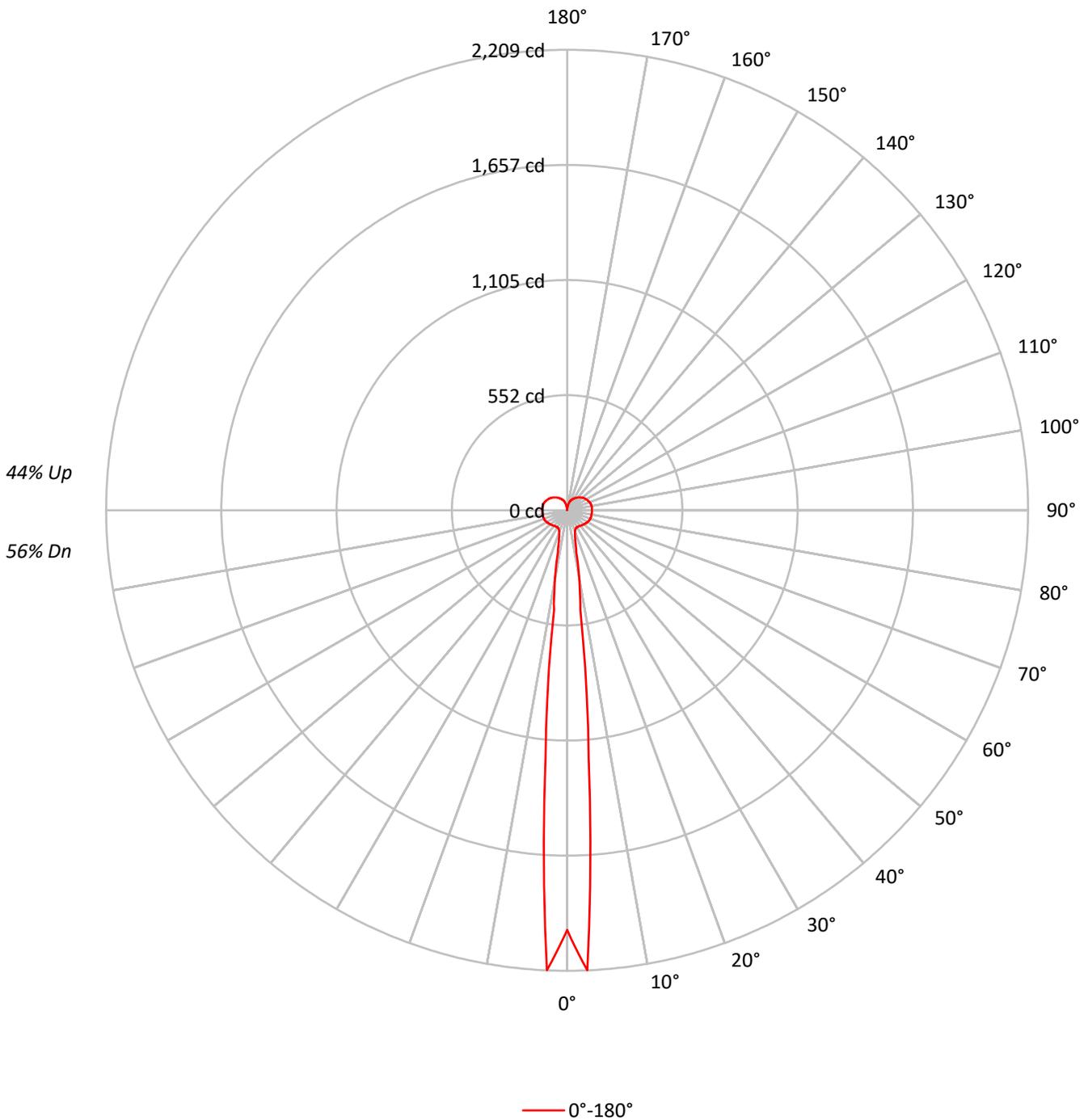
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1389.2 lumens  
Efficiency: N/A  
Efficacy: 45.5 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): 30.5  
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

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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°	63697
5°	29210
10°	6808
15°	2599
20°	1679
25°	1336
30°	1187
35°	1109
40°	1073
45°	1055
50°	1047
55°	1054
60°	1062
65°	1077
70°	1088
75°	1099
80°	1100
85°	1123

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 1149 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	84.9	6.1
10°-20°	46.7	3.4
20°-30°	45.5	3.3
30°-40°	59.8	4.3
40°-50°	78.4	5.6
50°-60°	97.6	7.0
60°-70°	114.8	8.3
70°-80°	125.6	9.0
80°-90°	129.9	9.3
90°-100°	130.1	9.4
100°-110°	123.6	8.9
110°-120°	109.4	7.9
120°-130°	90.0	6.5
130°-140°	67.9	4.9
140°-150°	45.9	3.3
150°-160°	26.9	1.9
160°-170°	11.1	0.8
170°-180°	1.1	0.1
0°-30°	177.2	12.8
0°-40°	237.0	17.1
0°-60°	412.9	29.7
0°-90°	783.2	56.4
90°-120°	363.1	26.1
90°-150°	566.9	40.8
90°-180°	606.0	43.6
0°-180°	1389.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2013	
5°	1184	85
15°	149	47
25°	97	46
35°	95	60
45°	101	78
55°	109	98
65°	116	115
75°	119	126
85°	119	97
90°	119	65
95°	119	97
105°	117	124
115°	110	109
125°	100	90
135°	88	68
145°	72	46
155°	58	27
165°	39	11
175°	6	1
180°	1	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2013.4
2.5°	2208.6
5°	1184.2
7.5°	481.9
10°	334.7
12.5°	205.0
15°	149.2
17.5°	124.1
20°	109.5
22.5°	101.8
25°	96.9
27.5°	94.8
30°	94.1
32.5°	94.1
35°	94.8
37.5°	95.5
40°	97.6
42.5°	99.0
45°	101.1
47.5°	103.2
50°	104.6
52.5°	106.7
55°	108.8
57.5°	110.9
60°	112.3
62.5°	114.4
65°	115.8
67.5°	117.2
70°	117.9
72.5°	118.6
75°	119.3
77.5°	118.6
80°	118.6
82.5°	118.6
85°	119.3
87.5°	119.3
90°	119.3
92.5°	119.3
95°	119.3
97.5°	119.3
100°	118.6
102.5°	117.9
105°	117.2
107.5°	115.8
110°	114.4

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	112.3
115°	110.2
117.5°	108.1
120°	105.3
122.5°	103.2
125°	100.4
127.5°	97.6
130°	94.1
132.5°	91.4
135°	87.9
137.5°	83.7
140°	80.2
142.5°	76.7
145°	72.5
147.5°	69.0
150°	65.6
152.5°	61.4
155°	57.9
157.5°	53.7
160°	49.5
162.5°	44.6
165°	39.1
167.5°	31.4
170°	21.6
172.5°	13.3
175°	5.6
177.5°	1.4
180°	0.7



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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	7.8	8.8	8.7	9.8	10.9	7.8	8.8	8.7	9.8	10.9
	3H	10.8	11.8	11.7	12.7	13.9	10.8	11.8	11.7	12.7	13.9
	4H	12.2	13.2	13.1	14.1	15.3	12.2	13.2	13.1	14.1	15.3
	6H	13.6	14.5	14.6	15.4	16.6	13.6	14.5	14.6	15.4	16.6
	8H	14.3	15.1	15.2	16.1	17.3	14.3	15.1	15.2	16.1	17.3
	12H	15.0	15.7	15.9	16.7	17.9	15.0	15.7	15.9	16.7	17.9
4H	2H	8.6	9.5	9.5	10.4	11.6	8.6	9.5	9.5	10.4	11.6
	3H	11.8	12.6	12.7	13.5	14.7	11.8	12.6	12.7	13.5	14.7
	4H	13.3	14.1	14.3	15.0	16.3	13.3	14.1	14.3	15.0	16.3
	6H	14.9	15.6	15.8	16.5	17.8	14.9	15.6	15.8	16.5	17.8
	8H	15.7	16.3	16.6	17.3	18.5	15.7	16.3	16.6	17.3	18.5
	12H	16.4	17.0	17.4	18.0	19.2	16.4	17.0	17.4	18.0	19.2
8H	4H	13.9	14.5	14.8	15.4	16.7	13.9	14.5	14.8	15.4	16.7
	6H	15.6	16.1	16.6	17.2	18.4	15.6	16.1	16.6	17.2	18.4
	8H	16.5	17.0	17.5	18.0	19.3	16.5	17.0	17.5	18.0	19.3
	12H	17.5	17.9	18.4	18.9	20.2	17.5	17.9	18.4	18.9	20.2
12H	4H	14.0	14.5	14.9	15.5	16.8	14.0	14.5	14.9	15.5	16.8
	6H	15.8	16.3	16.8	17.3	18.6	15.8	16.3	16.8	17.3	18.6
	8H	16.8	17.2	17.8	18.2	19.5	16.8	17.2	17.8	18.2	19.5

(END OF REPORT)