

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: P1245381

Luminaire Tested: PRLX-UNA-L-940-27L-U-OW

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245381  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-UNA-L-940-27L-U-OW  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE  
LIGHT LEVEL 8  
Light Source: -  
Ballast/Driver: -

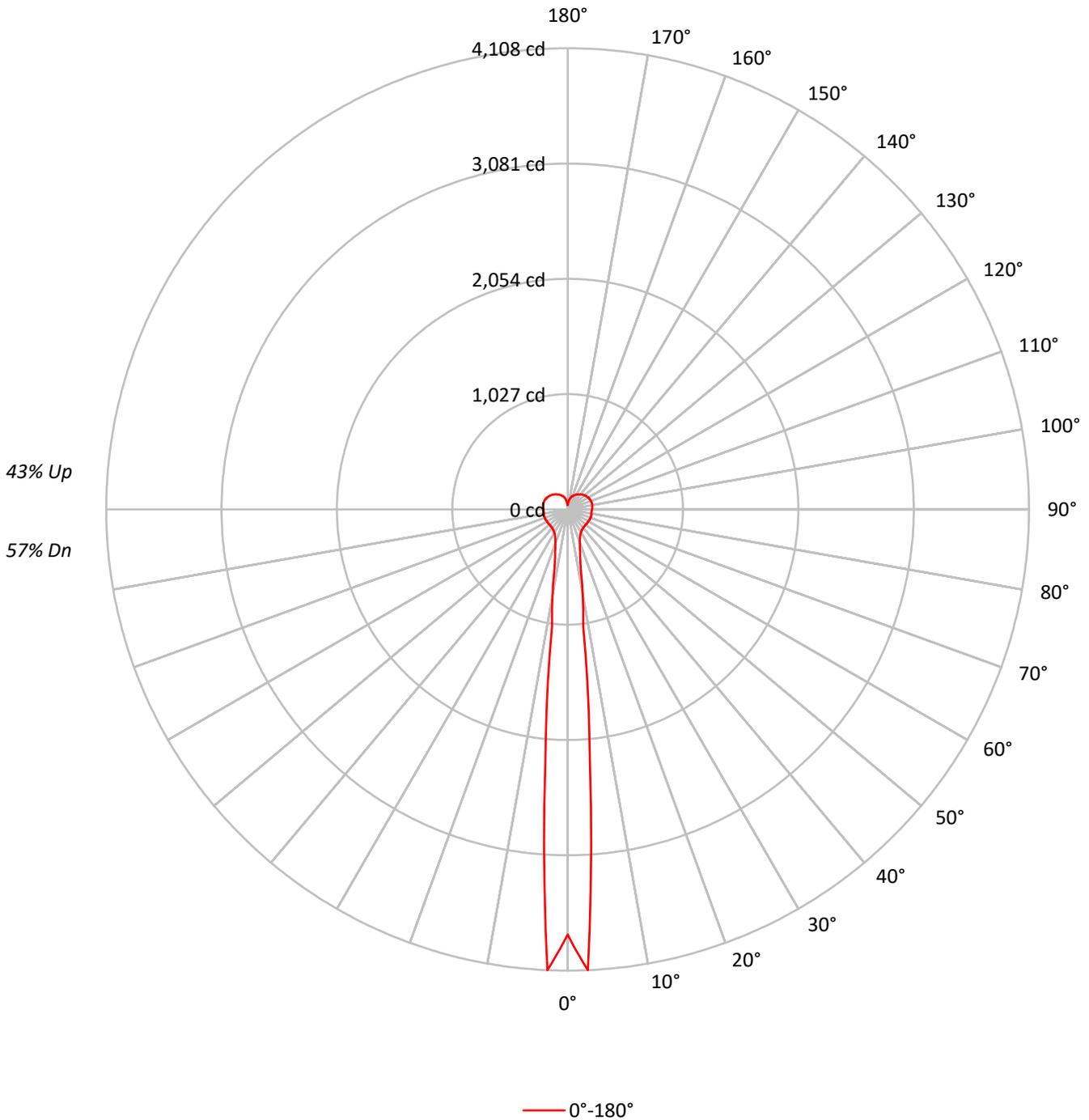
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2815.0 lumens  
Efficiency: N/A  
Efficacy: 40.6 lumens/watt  
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2  
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')  
CIE Type: General Diffuse  
  
Input Watts (W): 69.4  
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				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	50	30	10	0
RCR																					
0	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	57			
1	96	90	85	80	88	83	79	75	71	68	64	60	57	55	49	47	46	40			
2	86	77	70	63	80	72	65	59	61	56	51	51	47	44	42	39	37	32			
3	79	68	59	52	72	63	55	49	54	48	43	45	40	37	37	34	31	27			
4	72	60	51	44	66	56	48	42	48	41	37	40	35	31	33	30	27	23			
5	66	54	45	38	61	50	42	36	43	37	32	36	31	28	30	27	23	20			
6	61	48	40	34	57	45	37	32	39	33	28	33	28	25	28	24	21	18			
7	57	44	36	30	53	41	34	28	36	30	25	31	26	22	26	22	19	17			
8	53	41	33	27	49	38	31	26	33	27	23	29	24	20	24	21	18	15			
9	50	37	30	25	46	35	28	23	31	25	21	27	22	19	23	19	16	14			
10	47	35	27	22	44	33	26	21	29	23	19	25	21	17	22	18	15	13			

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	119775
5°	56138
10°	15779
15°	7414
20°	4886
25°	3628
30°	2986
35°	2608
40°	2353
45°	2209
50°	2105
55°	2050
60°	2013
65°	2004
70°	1998
75°	2008
80°	1986
85°	2016

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2209 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	168.7	6.0
10°-20°	126.6	4.5
20°-30°	123.3	4.4
30°-40°	140.4	5.0
40°-50°	163.9	5.8
50°-60°	190.2	6.8
60°-70°	213.7	7.6
70°-80°	229.5	8.2
80°-90°	234.3	8.3
90°-100°	240.3	8.5
100°-110°	235.2	8.4
110°-120°	214.9	7.6
120°-130°	183.2	6.5
130°-140°	144.5	5.1
140°-150°	103.3	3.7
150°-160°	65.0	2.3
160°-170°	31.6	1.1
170°-180°	6.5	0.2
0°-30°	418.6	14.9
0°-40°	559.0	19.9
0°-60°	913.0	32.4
0°-90°	1590.5	56.5
90°-120°	690.4	24.5
90°-150°	1121.4	39.8
90°-180°	1224.0	43.5
0°-180°	2815.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3786	
5°	2276	169
15°	426	127
25°	263	123
35°	223	140
45°	212	164
55°	212	190
65°	215	214
75°	218	229
85°	214	175
90°	217	119
95°	220	181
105°	223	235
115°	217	215
125°	204	183
135°	186	144
145°	164	103
155°	140	65
165°	111	32
175°	58	7
180°	38	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3786.0
2.5°	4108.5
5°	2275.9
7.5°	1055.5
10°	775.8
12.5°	534.0
15°	425.7
17.5°	362.7
20°	318.7
22.5°	285.9
25°	263.2
27.5°	248.1
30°	236.8
32.5°	229.2
35°	222.9
37.5°	217.9
40°	214.1
42.5°	212.9
45°	211.6
47.5°	210.3
50°	210.3
52.5°	211.6
55°	211.6
57.5°	212.9
60°	212.9
62.5°	214.1
65°	215.4
67.5°	216.6
70°	216.6
72.5°	217.9
75°	217.9
77.5°	216.6
80°	214.1
82.5°	214.1
85°	214.1
87.5°	215.4
90°	216.6
92.5°	219.2
95°	220.4
97.5°	221.7
100°	222.9
102.5°	222.9
105°	222.9
107.5°	221.7
110°	220.4

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	219.2
115°	216.6
117.5°	214.1
120°	211.6
122.5°	207.8
125°	204.0
127.5°	200.3
130°	196.5
132.5°	191.4
135°	186.4
137.5°	181.4
140°	175.1
142.5°	170.0
145°	163.7
147.5°	158.7
150°	152.4
152.5°	146.1
155°	139.8
157.5°	133.5
160°	125.9
162.5°	119.7
165°	110.8
167.5°	100.8
170°	88.2
172.5°	74.3
175°	57.9
177.5°	42.8
180°	37.8



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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	9.9	10.9	10.8	11.8	13.0	9.9	10.9	10.8	11.8	13.0
	3H	12.8	13.7	13.6	14.6	15.8	12.8	13.7	13.6	14.6	15.8
	4H	14.1	15.0	15.0	15.9	17.1	14.1	15.0	15.0	15.9	17.1
	6H	15.5	16.3	16.4	17.2	18.5	15.5	16.3	16.4	17.2	18.5
	8H	16.1	16.9	17.0	17.9	19.1	16.1	16.9	17.0	17.9	19.1
	12H	16.7	17.5	17.7	18.4	19.7	16.7	17.5	17.7	18.4	19.7
4H	2H	10.6	11.5	11.5	12.5	13.7	10.6	11.5	11.5	12.5	13.7
	3H	13.7	14.4	14.6	15.4	16.6	13.7	14.4	14.6	15.4	16.6
	4H	15.2	15.9	16.1	16.9	18.1	15.2	15.9	16.1	16.9	18.1
	6H	16.7	17.3	17.6	18.3	19.6	16.7	17.3	17.6	18.3	19.6
	8H	17.4	18.0	18.4	19.0	20.3	17.4	18.0	18.4	19.0	20.3
	12H	18.2	18.7	19.1	19.7	21.0	18.2	18.7	19.1	19.7	21.0
8H	4H	15.7	16.3	16.6	17.3	18.5	15.7	16.3	16.6	17.3	18.5
	6H	17.4	17.9	18.4	18.9	20.2	17.4	17.9	18.4	18.9	20.2
	8H	18.3	18.7	19.3	19.7	21.0	18.3	18.7	19.3	19.7	21.0
	12H	19.2	19.6	20.2	20.6	21.9	19.2	19.6	20.2	20.6	21.9
12H	4H	15.8	16.3	16.8	17.3	18.6	15.8	16.3	16.8	17.3	18.6
	6H	17.6	18.0	18.6	19.0	20.3	17.6	18.0	18.6	19.0	20.3
	8H	18.5	18.9	19.5	19.9	21.2	18.5	18.9	19.5	19.9	21.2

(END OF REPORT)