

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: P1245498

Luminaire Tested: PRLX-UNA-S-940-09L-U-OW

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245498  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-UNA-S-940-09L-U-OW  
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 4  
Light Source: -  
Ballast/Driver: -

**Summary**

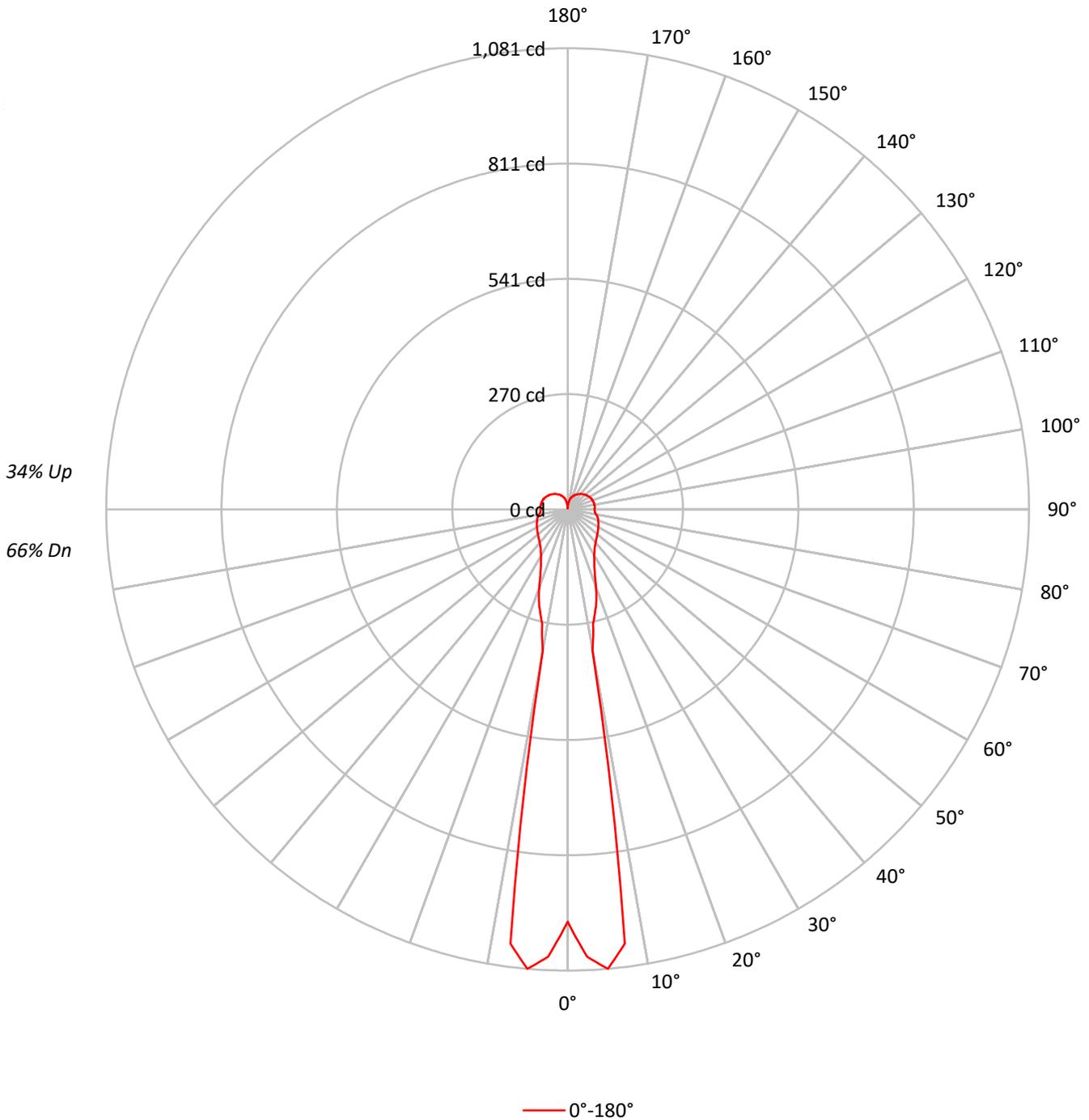
Lumens per Lamp: N/A  
Luminaire Lumens: 1011.0 lumens  
Efficiency: N/A  
Efficacy: 47.5 lumens/watt  
Spacing Criteria (0/90/45): 0.33 / 0.33 / 0.34  
Luminous Opening: Rectangular w/ Sides (W: 0.47' x L: 0.47' x H: 1.12')  
CIE Type: Semi-Direct

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

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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	111	111	111	111	105	105	105	105	92	92	92	81	81	81	71	71	71	66
1	99	94	89	84	93	88	84	80	78	74	71	68	65	63	59	57	55	51
2	90	81	74	68	84	77	70	65	68	63	58	59	55	52	52	49	46	42
3	82	72	64	57	77	68	60	55	60	54	49	53	48	44	46	43	40	36
4	76	64	56	49	71	61	53	47	54	48	43	48	43	39	42	38	35	32
5	70	58	49	43	66	55	47	41	49	43	38	44	38	34	38	34	31	28
6	65	53	44	38	61	50	42	37	45	39	34	40	35	31	36	32	28	26
7	61	48	40	35	57	46	39	33	42	35	31	37	32	28	33	29	26	24
8	57	45	37	31	54	43	35	30	39	33	28	35	30	26	31	27	24	22
9	54	42	34	29	51	40	33	28	36	30	26	33	28	24	30	26	23	21
10	51	39	32	27	48	37	31	26	34	28	24	31	26	23	28	24	21	19

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

	0°
0°	47342
5°	43933
10°	11768
15°	7676
20°	5398
25°	3770
30°	2938
35°	2459
40°	2158
45°	1950
50°	1789
55°	1665
60°	1575
65°	1499
70°	1435
75°	1380
80°	1303
85°	1267

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1950 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	85.0	8.4
10°-20°	70.0	6.9
20°-30°	69.5	6.9
30°-40°	69.8	6.9
40°-50°	74.1	7.3
50°-60°	77.7	7.7
60°-70°	78.9	7.8
70°-80°	76.8	7.6
80°-90°	70.2	6.9
90°-100°	69.4	6.9
100°-110°	66.5	6.6
110°-120°	60.2	6.0
120°-130°	50.5	5.0
130°-140°	39.1	3.9
140°-150°	27.5	2.7
150°-160°	16.8	1.7
160°-170°	7.7	0.8
170°-180°	1.3	0.1
0°-30°	224.4	22.2
0°-40°	294.2	29.1
0°-60°	446.0	44.1
0°-90°	671.9	66.5
90°-120°	196.2	19.4
90°-150°	313.3	31.0
90°-180°	339.0	33.5
0°-180°	1011.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	966	
5°	1081	85
15°	249	70
25°	148	69
35°	110	70
45°	96	74
55°	86	78
65°	80	79
75°	73	77
85°	64	53
90°	63	35
95°	64	52
105°	63	67
115°	61	60
125°	56	50
135°	50	39
145°	44	27
155°	36	17
165°	27	8
175°	10	1
180°	3	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	966.4
2.5°	1049.3
5°	1081.0
7.5°	1026.3
10°	336.7
12.5°	275.2
15°	248.7
17.5°	223.9
20°	194.0
22.5°	166.6
25°	147.8
27.5°	135.0
30°	123.9
32.5°	117.1
35°	110.2
37.5°	106.0
40°	101.7
42.5°	98.3
45°	95.7
47.5°	93.1
50°	90.6
52.5°	88.9
55°	86.3
57.5°	84.6
60°	82.9
62.5°	81.2
65°	79.5
67.5°	77.8
70°	76.1
72.5°	75.2
75°	72.6
77.5°	70.9
80°	67.5
82.5°	64.9
85°	64.1
87.5°	63.2
90°	63.2
92.5°	63.2
95°	64.1
97.5°	64.1
100°	63.2
102.5°	63.2
105°	63.2
107.5°	62.4
110°	62.4

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	61.5
115°	60.7
117.5°	59.8
120°	59.0
122.5°	57.3
125°	56.4
127.5°	54.7
130°	53.8
132.5°	52.1
135°	50.4
137.5°	48.7
140°	47.0
142.5°	45.3
145°	43.6
147.5°	41.9
150°	40.2
152.5°	38.5
155°	35.9
157.5°	34.2
160°	31.6
162.5°	29.9
165°	27.3
167.5°	23.9
170°	19.7
172.5°	15.4
175°	10.3
177.5°	5.1
180°	2.6



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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	9.8	10.9	10.6	11.7	12.7	9.8	10.9	10.6	11.7	12.7
	3H	12.2	13.2	13.1	14.1	15.1	12.2	13.2	13.1	14.1	15.1
	4H	13.4	14.4	14.2	15.2	16.2	13.4	14.4	14.2	15.2	16.2
	6H	14.5	15.4	15.4	16.2	17.3	14.5	15.4	15.4	16.2	17.3
	8H	15.0	15.9	15.9	16.7	17.8	15.0	15.9	15.9	16.7	17.8
	12H	15.5	16.3	16.4	17.2	18.3	15.5	16.3	16.4	17.2	18.3
4H	2H	10.4	11.4	11.2	12.2	13.3	10.4	11.4	11.2	12.2	13.3
	3H	13.1	13.9	13.9	14.8	15.8	13.1	13.9	13.9	14.8	15.8
	4H	14.4	15.2	15.3	16.0	17.1	14.4	15.2	15.3	16.0	17.1
	6H	15.7	16.4	16.5	17.2	18.3	15.7	16.4	16.5	17.2	18.3
	8H	16.3	16.9	17.1	17.8	18.9	16.3	16.9	17.1	17.8	18.9
	12H	16.9	17.4	17.8	18.4	19.5	16.9	17.4	17.8	18.4	19.5
8H	4H	14.8	15.5	15.7	16.3	17.5	14.8	15.5	15.7	16.3	17.5
	6H	16.3	16.8	17.2	17.8	18.9	16.3	16.8	17.2	17.8	18.9
	8H	17.0	17.5	17.9	18.4	19.5	17.0	17.5	17.9	18.4	19.5
	12H	17.8	18.2	18.7	19.1	20.3	17.8	18.2	18.7	19.1	20.3
12H	4H	14.9	15.5	15.8	16.4	17.5	14.9	15.5	15.8	16.4	17.5
	6H	16.4	16.9	17.3	17.8	19.0	16.4	16.9	17.3	17.8	19.0
	8H	17.2	17.7	18.1	18.6	19.8	17.2	17.7	18.1	18.6	19.8

(END OF REPORT)