

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: P1244994

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

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1244994  
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-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**

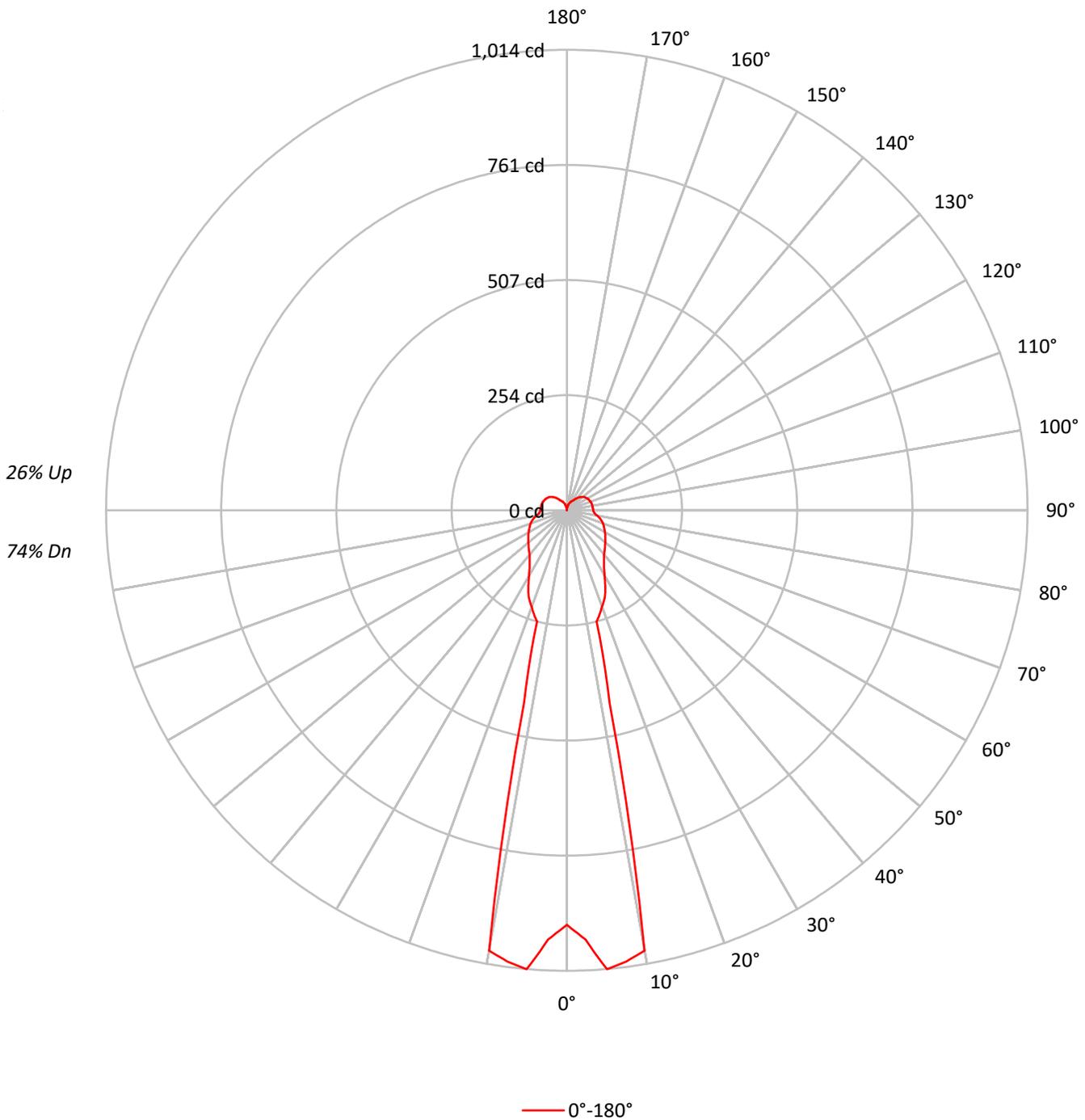
Lumens per Lamp: N/A  
Luminaire Lumens: 1081.0 lumens  
Efficiency: N/A  
Efficacy: 50.8 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.38  
Luminous Opening: Rectangular w/ Sides (W: 0.62' x L: 0.62' x H: 0.87')  
CIE Type: Semi-Direct

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

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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	113	113	113	113	107	107	107	107	97	97	97	87	87	87	78	78	78	74
1	101	96	91	87	96	91	87	83	82	79	76	74	71	69	66	64	62	58
2	92	84	77	71	87	80	73	68	72	67	63	65	61	57	58	55	52	49
3	85	74	66	60	80	71	63	58	64	58	53	58	53	49	52	48	45	42
4	78	67	58	52	74	63	56	50	58	51	46	52	47	43	47	43	40	37
5	72	60	52	46	68	58	50	44	53	46	41	48	43	38	44	39	36	33
6	67	55	47	41	64	53	45	39	48	42	37	44	39	35	40	36	33	30
7	63	51	42	37	60	49	41	36	45	38	34	41	36	32	38	33	30	28
8	59	47	39	34	56	45	38	33	42	35	31	38	33	29	35	31	28	26
9	56	44	36	31	53	42	35	30	39	33	29	36	31	27	33	29	26	24
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°	25147
5°	25014
10°	22121
15°	5265
20°	4401
25°	3695
30°	2936
35°	2426
40°	2116
45°	1929
50°	1775
55°	1664
60°	1566
65°	1478
70°	1411
75°	1324
80°	1212
85°	1131

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1929 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.6	8.8
10°-20°	99.9	9.2
20°-30°	91.0	8.4
30°-40°	90.0	8.3
40°-50°	91.6	8.5
50°-60°	92.7	8.6
60°-70°	89.9	8.3
70°-80°	81.2	7.5
80°-90°	66.9	6.2
90°-100°	62.7	5.8
100°-110°	59.8	5.5
110°-120°	53.5	4.9
120°-130°	44.2	4.1
130°-140°	31.6	2.9
140°-150°	18.2	1.7
150°-160°	9.5	0.9
160°-170°	3.6	0.3
170°-180°	0.3	0.0
0°-30°	285.5	26.4
0°-40°	375.5	34.7
0°-60°	559.8	51.8
0°-90°	797.8	73.8
90°-120°	175.9	16.3
90°-150°	269.9	25.0
90°-180°	283.0	26.2
0°-180°	1081.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	913	
5°	1014	95
15°	253	100
25°	200	91
35°	142	90
45°	118	92
55°	104	93
65°	90	90
75°	77	81
85°	60	51
90°	58	32
95°	57	47
105°	56	60
115°	54	53
125°	50	44
135°	41	32
145°	28	18
155°	20	9
165°	12	4
175°	1	0
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	912.6
2.5°	945.7
5°	1014.4
7.5°	1002.0
10°	984.6
12.5°	435.6
15°	253.4
17.5°	240.1
20°	226.1
22.5°	214.5
25°	200.4
27.5°	182.2
30°	166.4
32.5°	152.4
35°	142.4
37.5°	134.2
40°	127.5
42.5°	122.6
45°	118.4
47.5°	114.3
50°	110.1
52.5°	106.8
55°	103.5
57.5°	100.2
60°	96.9
62.5°	93.6
65°	90.3
67.5°	87.8
70°	84.5
72.5°	81.2
75°	77.0
77.5°	72.9
80°	67.9
82.5°	62.9
85°	60.5
87.5°	58.8
90°	58.0
92.5°	58.0
95°	57.1
97.5°	57.1
100°	57.1
102.5°	57.1
105°	56.3
107.5°	56.3
110°	55.5



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	54.7
115°	53.8
117.5°	53.0
120°	52.2
122.5°	50.5
125°	49.7
127.5°	48.0
130°	45.5
132.5°	43.9
135°	40.6
137.5°	38.1
140°	34.8
142.5°	31.5
145°	28.2
147.5°	25.7
150°	24.0
152.5°	22.4
155°	19.9
157.5°	18.2
160°	16.6
162.5°	14.9
165°	12.4
167.5°	9.9
170°	6.6
172.5°	3.3
175°	0.8
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	10.4	11.6	11.2	12.3	13.2	10.4	11.6	11.2	12.3	13.2
	3H	12.8	13.8	13.5	14.6	15.5	12.8	13.8	13.5	14.6	15.5
	4H	13.8	14.8	14.6	15.6	16.5	13.8	14.8	14.6	15.6	16.5
	6H	14.8	15.7	15.5	16.5	17.4	14.8	15.7	15.5	16.5	17.4
	8H	15.2	16.1	16.0	16.9	17.8	15.2	16.1	16.0	16.9	17.8
	12H	15.6	16.5	16.4	17.2	18.2	15.6	16.5	16.4	17.2	18.2
4H	2H	11.0	12.0	11.8	12.8	13.7	11.0	12.0	11.8	12.8	13.7
	3H	13.6	14.4	14.3	15.2	16.2	13.6	14.4	14.3	15.2	16.2
	4H	14.8	15.6	15.6	16.4	17.3	14.8	15.6	15.6	16.4	17.3
	6H	15.9	16.6	16.7	17.4	18.4	15.9	16.6	16.7	17.4	18.4
	8H	16.4	17.1	17.2	17.9	18.9	16.4	17.1	17.2	17.9	18.9
	12H	16.9	17.5	17.7	18.3	19.3	16.9	17.5	17.7	18.3	19.3
8H	4H	15.2	15.8	16.0	16.6	17.6	15.2	15.8	16.0	16.6	17.6
	6H	16.5	17.0	17.3	17.9	18.9	16.5	17.0	17.3	17.9	18.9
	8H	17.1	17.6	17.9	18.4	19.5	17.1	17.6	17.9	18.4	19.5
	12H	17.7	18.2	18.6	19.0	20.1	17.7	18.2	18.6	19.0	20.1
12H	4H	15.2	15.8	16.0	16.7	17.7	15.2	15.8	16.0	16.7	17.7
	6H	16.6	17.1	17.4	17.9	19.0	16.6	17.1	17.4	17.9	19.0
	8H	17.3	17.7	18.1	18.6	19.6	17.3	17.7	18.1	18.6	19.6

(END OF REPORT)