

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: P1244943

Luminaire Tested: PRLX-MIN-S-927-05L-U-OW

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1244943  
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: Prenalux  
Catalog Number: PRLX-MIN-S-927-05L-U-OW  
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 2  
Light Source: -  
Ballast/Driver: -

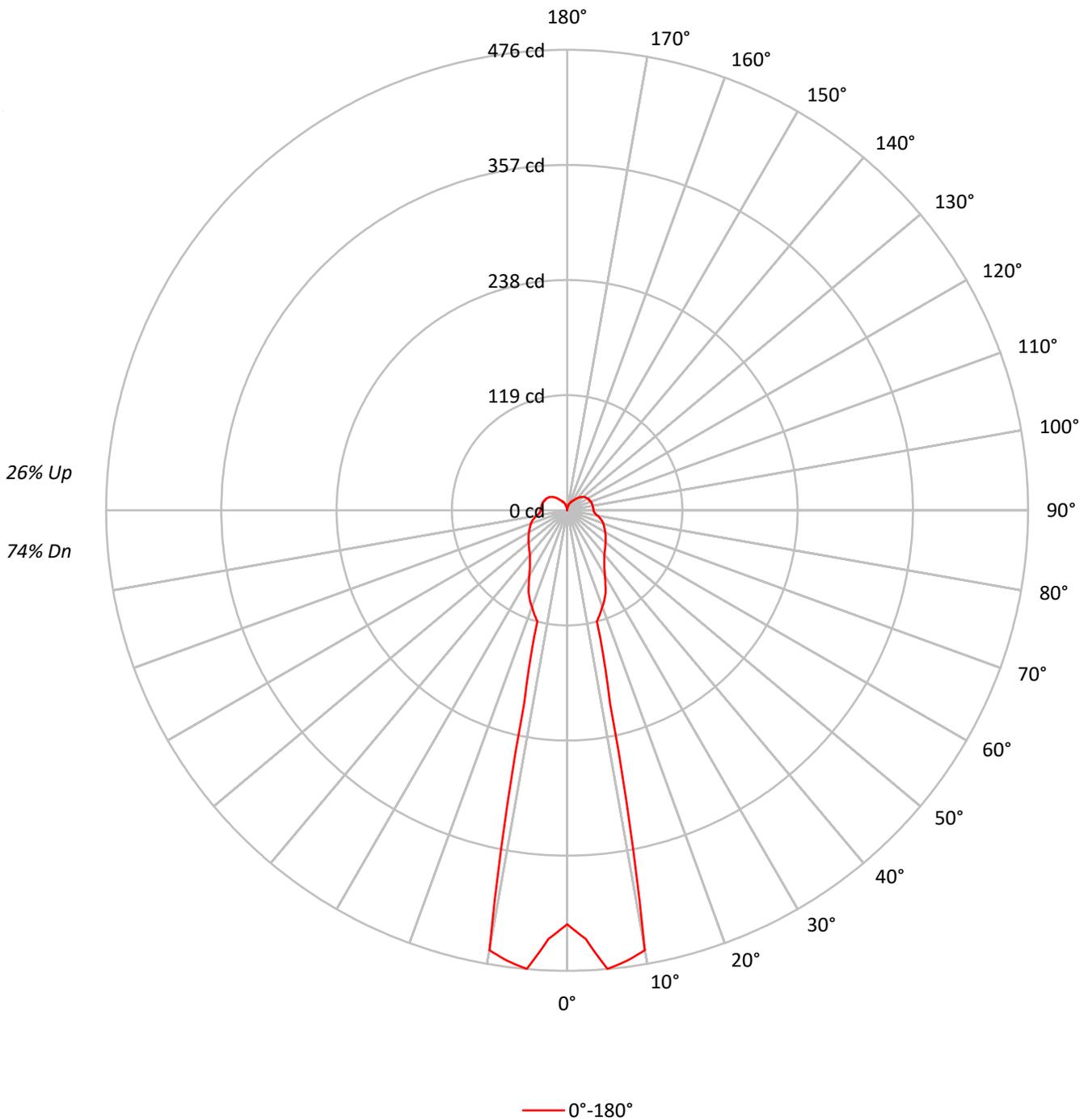
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 507.0 lumens  
Efficiency: N/A  
Efficacy: 45.7 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): 11.1  
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°	11794
5°	11733
10°	10375
15°	2469
20°	2063
25°	1733
30°	1378
35°	1138
40°	992
45°	904
50°	834
55°	780
60°	734
65°	692
70°	661
75°	621
80°	567
85°	531

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 904 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.4	8.8
10°-20°	46.8	9.2
20°-30°	42.7	8.4
30°-40°	42.2	8.3
40°-50°	43.0	8.5
50°-60°	43.5	8.6
60°-70°	42.1	8.3
70°-80°	38.1	7.5
80°-90°	31.4	6.2
90°-100°	29.4	5.8
100°-110°	28.0	5.5
110°-120°	25.1	4.9
120°-130°	20.8	4.1
130°-140°	14.8	2.9
140°-150°	8.5	1.7
150°-160°	4.4	0.9
160°-170°	1.7	0.3
170°-180°	0.1	0.0
0°-30°	133.9	26.4
0°-40°	176.1	34.7
0°-60°	262.6	51.8
0°-90°	374.1	73.8
90°-120°	82.5	16.3
90°-150°	126.6	25.0
90°-180°	133.0	26.2
0°-180°	507.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	428	
5°	476	44
15°	119	47
25°	94	43
35°	67	42
45°	56	43
55°	48	43
65°	42	42
75°	36	38
85°	28	24
90°	27	15
95°	27	22
105°	26	28
115°	25	25
125°	23	21
135°	19	15
145°	13	9
155°	9	4
165°	6	2
175°	0	0
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	428.0
2.5°	443.5
5°	475.8
7.5°	469.9
10°	461.8
12.5°	204.3
15°	118.8
17.5°	112.6
20°	106.0
22.5°	100.6
25°	94.0
27.5°	85.4
30°	78.1
32.5°	71.5
35°	66.8
37.5°	62.9
40°	59.8
42.5°	57.5
45°	55.5
47.5°	53.6
50°	51.7
52.5°	50.1
55°	48.5
57.5°	47.0
60°	45.4
62.5°	43.9
65°	42.3
67.5°	41.2
70°	39.6
72.5°	38.1
75°	36.1
77.5°	34.2
80°	31.8
82.5°	29.5
85°	28.4
87.5°	27.6
90°	27.2
92.5°	27.2
95°	26.8
97.5°	26.8
100°	26.8
102.5°	26.8
105°	26.4
107.5°	26.4
110°	26.0



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	25.6
115°	25.2
117.5°	24.9
120°	24.5
122.5°	23.7
125°	23.3
127.5°	22.5
130°	21.4
132.5°	20.6
135°	19.0
137.5°	17.9
140°	16.3
142.5°	14.8
145°	13.2
147.5°	12.0
150°	11.3
152.5°	10.5
155°	9.3
157.5°	8.5
160°	7.8
162.5°	7.0
165°	5.8
167.5°	4.7
170°	3.1
172.5°	1.6
175°	0.4
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	7.8	9.0	8.5	9.7	10.6	7.8	9.0	8.5	9.7	10.6
	3H	10.1	11.2	10.9	11.9	12.8	10.1	11.2	10.9	11.9	12.8
	4H	11.2	12.2	11.9	12.9	13.9	11.2	12.2	11.9	12.9	13.9
	6H	12.1	13.1	12.9	13.8	14.8	12.1	13.1	12.9	13.8	14.8
	8H	12.6	13.5	13.3	14.2	15.2	12.6	13.5	13.3	14.2	15.2
	12H	13.0	13.8	13.7	14.6	15.6	13.0	13.8	13.7	14.6	15.6
4H	2H	8.4	9.4	9.2	10.2	11.1	8.4	9.4	9.2	10.2	11.1
	3H	10.9	11.8	11.7	12.6	13.5	10.9	11.8	11.7	12.6	13.5
	4H	12.1	12.9	12.9	13.7	14.7	12.1	12.9	12.9	13.7	14.7
	6H	13.3	14.0	14.1	14.8	15.8	13.3	14.0	14.1	14.8	15.8
	8H	13.8	14.4	14.6	15.2	16.2	13.8	14.4	14.6	15.2	16.2
	12H	14.3	14.9	15.1	15.7	16.7	14.3	14.9	15.1	15.7	16.7
8H	4H	12.5	13.2	13.3	14.0	15.0	12.5	13.2	13.3	14.0	15.0
	6H	13.8	14.4	14.7	15.2	16.2	13.8	14.4	14.7	15.2	16.2
	8H	14.5	15.0	15.3	15.8	16.8	14.5	15.0	15.3	15.8	16.8
	12H	15.1	15.6	16.0	16.4	17.5	15.1	15.6	16.0	16.4	17.5
12H	4H	12.6	13.2	13.4	14.0	15.0	12.6	13.2	13.4	14.0	15.0
	6H	14.0	14.5	14.8	15.3	16.3	14.0	14.5	14.8	15.3	16.3
	8H	14.6	15.1	15.5	15.9	17.0	14.6	15.1	15.5	15.9	17.0

(END OF REPORT)