

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: P1244942

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

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1244942  
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-927-05L-U-NL  
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL LINES SHADE TEXTURE, LIGHT LEVEL 2  
Light Source: -  
Ballast/Driver: -

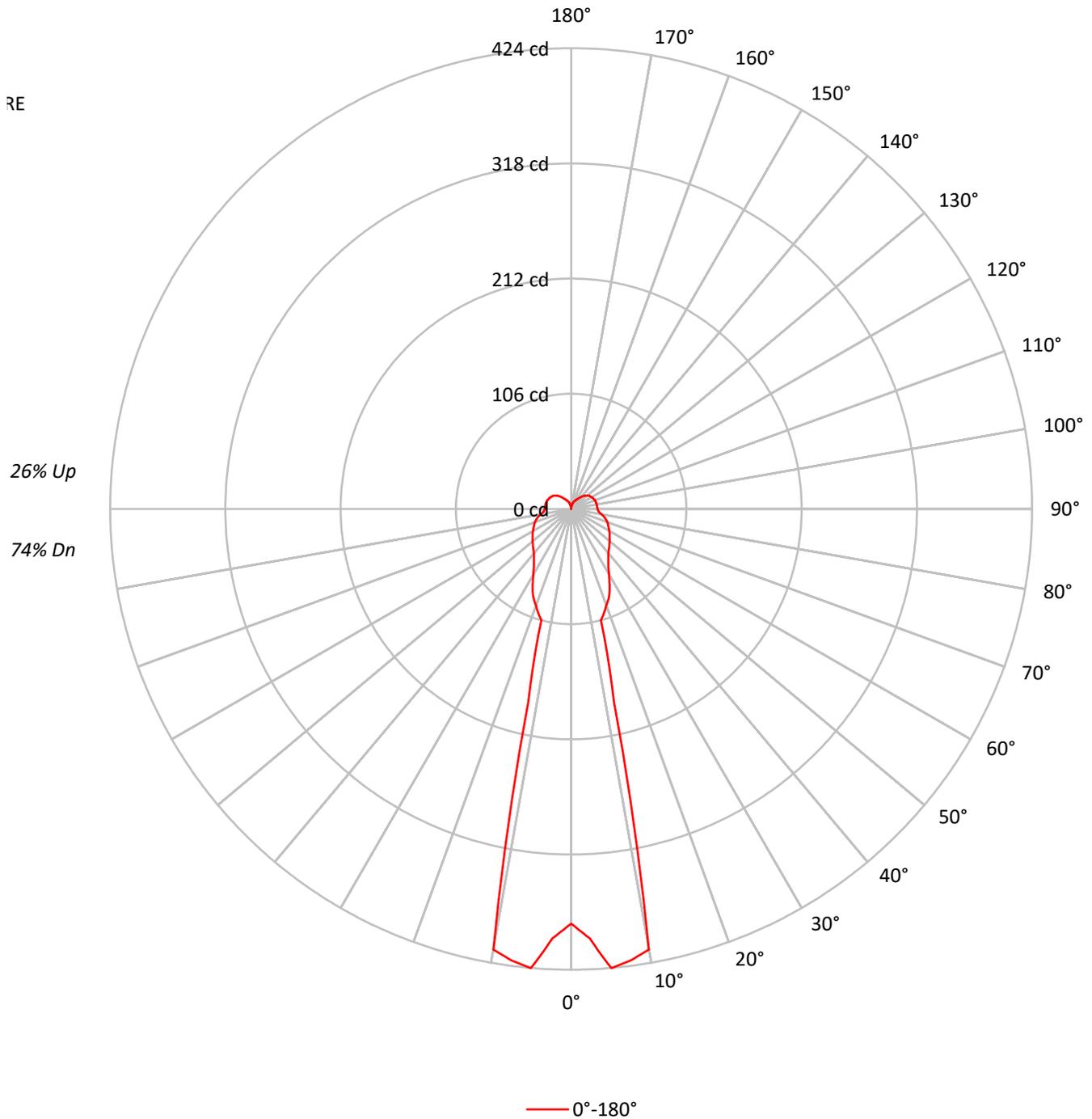
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 452.0 lumens  
Efficiency: N/A  
Efficacy: 40.7 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 (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	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°	10515
5°	10460
10°	9250
15°	2203
20°	1839
25°	1545
30°	1228
35°	1015
40°	884
45°	807
50°	743
55°	696
60°	654
65°	617
70°	590
75°	553
80°	507
85°	473

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 807 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.6	8.8
10°-20°	41.8	9.2
20°-30°	38.0	8.4
30°-40°	37.6	8.3
40°-50°	38.3	8.5
50°-60°	38.8	8.6
60°-70°	37.5	8.3
70°-80°	33.9	7.5
80°-90°	28.0	6.2
90°-100°	26.2	5.8
100°-110°	25.0	5.5
110°-120°	22.4	4.9
120°-130°	18.5	4.1
130°-140°	13.2	2.9
140°-150°	7.6	1.7
150°-160°	3.9	0.9
160°-170°	1.5	0.3
170°-180°	0.1	0.0
0°-30°	119.4	26.4
0°-40°	157.0	34.7
0°-60°	234.1	51.8
0°-90°	333.5	73.8
90°-120°	73.6	16.3
90°-150°	112.9	25.0
90°-180°	118.0	26.1
0°-180°	452.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	382	
5°	424	40
15°	106	42
25°	84	38
35°	60	38
45°	50	38
55°	43	39
65°	38	38
75°	32	34
85°	25	21
90°	24	13
95°	24	20
105°	24	25
115°	22	22
125°	21	19
135°	17	13
145°	12	8
155°	8	4
165°	5	2
175°	0	0
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	381.6
2.5°	395.4
5°	424.2
7.5°	419.0
10°	411.7
12.5°	182.1
15°	106.0
17.5°	100.4
20°	94.5
22.5°	89.7
25°	83.8
27.5°	76.2
30°	69.6
32.5°	63.7
35°	59.6
37.5°	56.1
40°	53.3
42.5°	51.2
45°	49.5
47.5°	47.8
50°	46.1
52.5°	44.7
55°	43.3
57.5°	41.9
60°	40.5
62.5°	39.1
65°	37.7
67.5°	36.7
70°	35.3
72.5°	33.9
75°	32.2
77.5°	30.5
80°	28.4
82.5°	26.3
85°	25.3
87.5°	24.6
90°	24.2
92.5°	24.2
95°	23.9
97.5°	23.9
100°	23.9
102.5°	23.9
105°	23.5
107.5°	23.5
110°	23.2

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	22.9
115°	22.5
117.5°	22.2
120°	21.8
122.5°	21.1
125°	20.8
127.5°	20.1
130°	19.0
132.5°	18.4
135°	17.0
137.5°	15.9
140°	14.5
142.5°	13.2
145°	11.8
147.5°	10.7
150°	10.0
152.5°	9.3
155°	8.3
157.5°	7.6
160°	6.9
162.5°	6.2
165°	5.2
167.5°	4.2
170°	2.8
172.5°	1.4
175°	0.3
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	7.4	8.6	8.1	9.3	10.2	7.4	8.6	8.1	9.3	10.2
	3H	9.7	10.8	10.5	11.5	12.4	9.7	10.8	10.5	11.5	12.4
	4H	10.8	11.8	11.5	12.5	13.5	10.8	11.8	11.5	12.5	13.5
	6H	11.7	12.7	12.5	13.4	14.4	11.7	12.7	12.5	13.4	14.4
	8H	12.2	13.1	12.9	13.8	14.8	12.2	13.1	12.9	13.8	14.8
	12H	12.6	13.4	13.4	14.2	15.2	12.6	13.4	13.4	14.2	15.2
4H	2H	8.0	9.0	8.8	9.8	10.7	8.0	9.0	8.8	9.8	10.7
	3H	10.5	11.4	11.3	12.2	13.1	10.5	11.4	11.3	12.2	13.1
	4H	11.7	12.5	12.5	13.3	14.3	11.7	12.5	12.5	13.3	14.3
	6H	12.9	13.6	13.7	14.4	15.4	12.9	13.6	13.7	14.4	15.4
	8H	13.4	14.0	14.2	14.8	15.8	13.4	14.0	14.2	14.8	15.8
	12H	13.9	14.5	14.7	15.3	16.3	13.9	14.5	14.7	15.3	16.3
8H	4H	12.1	12.8	12.9	13.6	14.6	12.1	12.8	12.9	13.6	14.6
	6H	13.4	14.0	14.3	14.8	15.8	13.4	14.0	14.3	14.8	15.8
	8H	14.1	14.6	14.9	15.4	16.4	14.1	14.6	14.9	15.4	16.4
	12H	14.7	15.2	15.6	16.0	17.1	14.7	15.2	15.6	16.0	17.1
12H	4H	12.2	12.8	13.0	13.6	14.6	12.2	12.8	13.0	13.6	14.6
	6H	13.6	14.1	14.4	14.9	15.9	13.6	14.1	14.4	14.9	15.9
	8H	14.3	14.7	15.1	15.5	16.6	14.3	14.7	15.1	15.5	16.6

(END OF REPORT)