

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: P1245384

Luminaire Tested: PRLX-UNA-M-927-01L-U-OW

Issue Date: 1/30/2026

**Test Information**

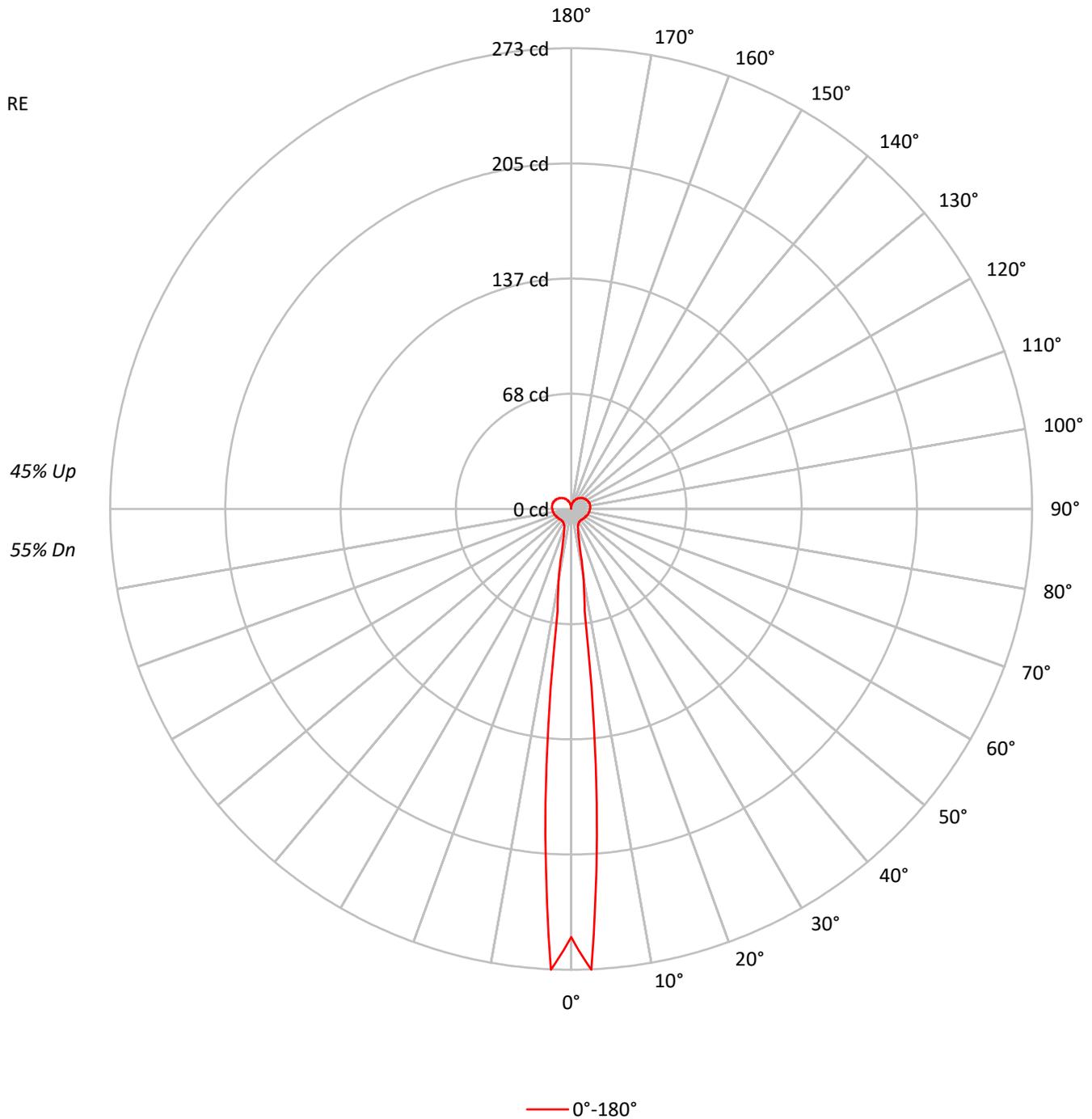
Test Method: LM-79-2019  
Report Number: P1245384  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-UNA-M-927-01L-U-OW  
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, OPEN WEAVE SHADE TEXTU  
LIGHT LEVEL 1  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 136.0 lumens  
Efficiency: N/A  
Efficacy: 21.6 lumens/watt  
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18  
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')  
CIE Type: General Diffuse  
  
Input Watts (W): 6.3  
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	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	55
1	95	90	84	79	88	83	78	74	70	67	64	59	56	54	48	46	44	39
2	86	77	70	63	79	71	65	59	61	55	51	51	47	43	41	39	36	31
3	78	68	59	53	72	63	55	49	53	48	43	45	40	36	37	33	30	26
4	72	60	51	45	66	56	48	42	48	42	37	40	35	32	33	30	27	23
5	67	54	45	39	61	50	43	37	43	37	32	37	32	28	30	27	24	21
6	62	49	41	34	57	46	38	33	40	33	29	34	29	25	28	25	22	19
7	58	45	37	31	53	42	35	29	37	31	26	31	27	23	26	23	20	17
8	54	41	34	28	50	39	32	27	34	28	24	29	25	21	25	21	19	16
9	51	38	31	26	47	36	29	25	32	26	22	28	23	20	24	20	17	15
10	48	36	29	24	45	34	27	23	30	24	21	26	22	19	23	19	17	15

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

	0°
0°	13001
5°	6580
10°	1264
15°	423
20°	253
25°	194
30°	159
35°	143
40°	131
45°	126
50°	123
55°	120
60°	121
65°	120
70°	124
75°	126
80°	129
85°	133

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 137 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.3	8.3
10°-20°	5.4	4.0
20°-30°	4.7	3.4
30°-40°	5.6	4.1
40°-50°	6.9	5.1
50°-60°	8.4	6.2
60°-70°	9.9	7.2
70°-80°	11.2	8.2
80°-90°	12.0	8.8
90°-100°	12.4	9.1
100°-110°	12.0	8.8
110°-120°	10.9	8.0
120°-130°	9.2	6.7
130°-140°	7.1	5.2
140°-150°	4.9	3.6
150°-160°	2.8	2.1
160°-170°	1.2	0.9
170°-180°	0.2	0.1
0°-30°	21.3	15.7
0°-40°	27.0	19.8
0°-60°	42.4	31.1
0°-90°	75.4	55.4
90°-120°	35.3	25.9
90°-150°	56.4	41.5
90°-180°	61.0	44.8
0°-180°	136.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	254	
5°	175	11
15°	17	5
25°	10	5
35°	9	6
45°	9	7
55°	9	8
65°	10	10
75°	11	11
85°	11	9
90°	11	6
95°	11	9
105°	11	12
115°	11	11
125°	10	9
135°	9	7
145°	8	5
155°	6	3
165°	4	1
175°	1	0
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	253.7
2.5°	273.3
5°	174.7
7.5°	60.9
10°	42.2
12.5°	24.2
15°	16.9
17.5°	13.7
20°	11.7
22.5°	10.6
25°	10.1
27.5°	9.6
30°	9.2
32.5°	9.0
35°	9.0
37.5°	8.8
40°	8.8
42.5°	8.8
45°	9.0
47.5°	9.0
50°	9.2
52.5°	9.2
55°	9.4
57.5°	9.6
60°	9.7
62.5°	9.7
65°	9.9
67.5°	10.1
70°	10.3
72.5°	10.5
75°	10.6
77.5°	10.6
80°	10.8
82.5°	11.0
85°	11.0
87.5°	11.0
90°	11.2
92.5°	11.2
95°	11.4
97.5°	11.4
100°	11.4
102.5°	11.4
105°	11.4
107.5°	11.4
110°	11.2

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	11.2
115°	11.0
117.5°	10.8
120°	10.6
122.5°	10.5
125°	10.3
127.5°	9.9
130°	9.7
132.5°	9.4
135°	9.2
137.5°	8.8
140°	8.5
142.5°	8.1
145°	7.8
147.5°	7.4
150°	7.0
152.5°	6.5
155°	6.1
157.5°	5.6
160°	5.2
162.5°	4.7
165°	4.1
167.5°	3.6
170°	3.1
172.5°	2.2
175°	1.3
177.5°	0.5
180°	0.2



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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	0.0	0.8	0.7	1.8	2.9	0.0	0.8	0.7	1.8	2.9
	3H	2.8	3.7	3.7	4.7	5.9	2.8	3.7	3.7	4.7	5.9
	4H	4.3	5.2	5.2	6.1	7.3	4.3	5.2	5.2	6.1	7.3
	6H	5.8	6.6	6.7	7.5	8.8	5.8	6.6	6.7	7.5	8.8
	8H	6.5	7.3	7.4	8.2	9.4	6.5	7.3	7.4	8.2	9.4
	12H	7.2	7.9	8.1	8.9	10.1	7.2	7.9	8.1	8.9	10.1
4H	2H	0.6	1.4	1.5	2.4	3.6	0.6	1.4	1.5	2.4	3.6
	3H	3.8	4.5	4.7	5.5	6.7	3.8	4.5	4.7	5.5	6.7
	4H	5.4	6.1	6.3	7.1	8.3	5.4	6.1	6.3	7.1	8.3
	6H	7.0	7.7	8.0	8.6	9.9	7.0	7.7	8.0	8.6	9.9
	8H	7.8	8.4	8.8	9.4	10.7	7.8	8.4	8.8	9.4	10.7
	12H	8.6	9.2	9.6	10.2	11.5	8.6	9.2	9.6	10.2	11.5
8H	4H	5.9	6.5	6.9	7.5	8.8	5.9	6.5	6.9	7.5	8.8
	6H	7.8	8.3	8.7	9.3	10.5	7.8	8.3	8.7	9.3	10.5
	8H	8.7	9.2	9.7	10.2	11.5	8.7	9.2	9.7	10.2	11.5
	12H	9.7	10.1	10.7	11.1	12.4	9.7	10.1	10.7	11.1	12.4
12H	4H	6.0	6.6	7.0	7.6	8.8	6.0	6.6	7.0	7.6	8.8
	6H	7.9	8.4	8.9	9.4	10.7	7.9	8.4	8.9	9.4	10.7
	8H	9.0	9.4	10.0	10.4	11.7	9.0	9.4	10.0	10.4	11.7

(END OF REPORT)