

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: P1245435

Luminaire Tested: PRLX-UNA-M-940-04L-U-OW

Issue Date: 1/30/2026

**Test Information**

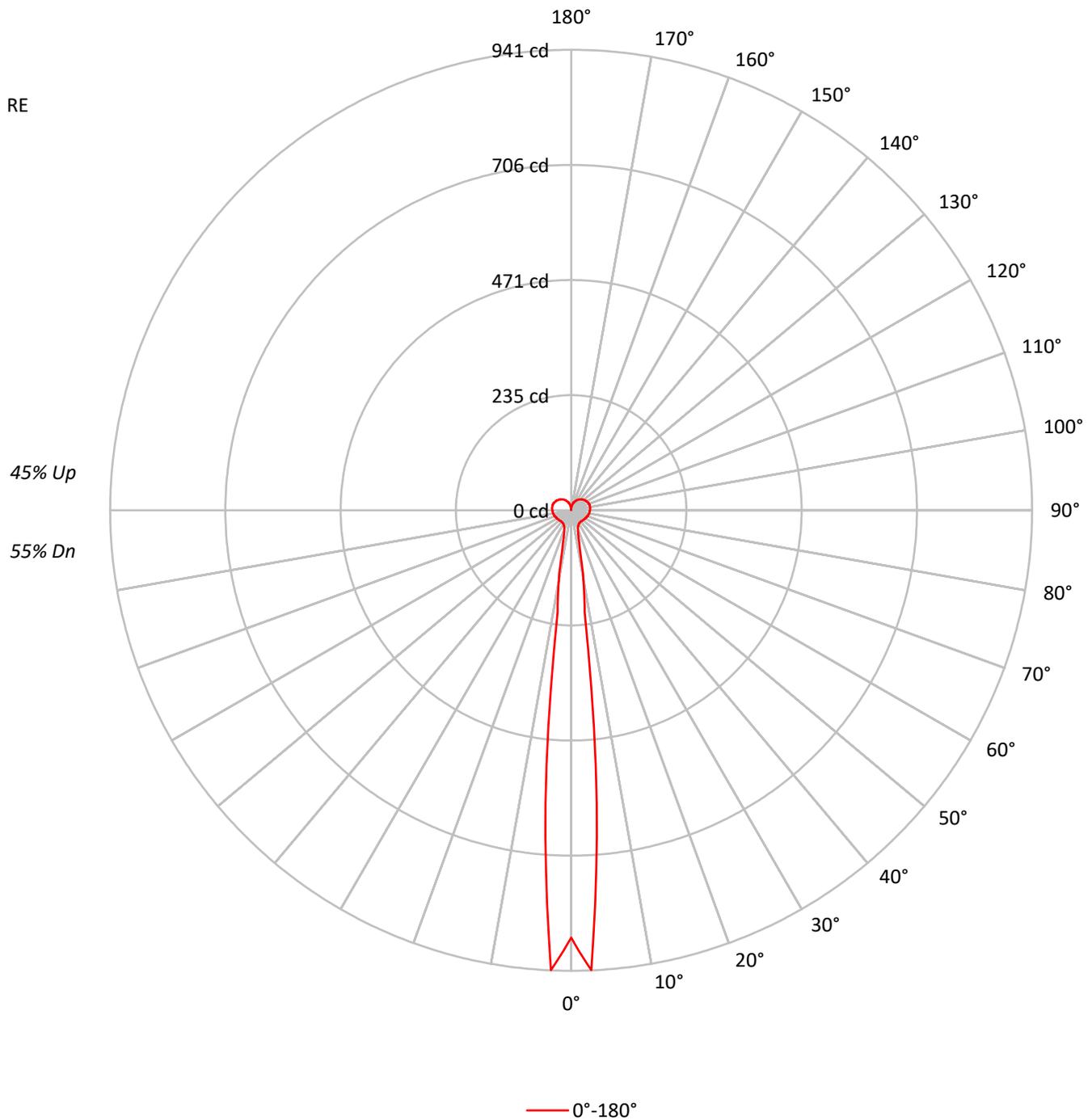
Test Method: LM-79-2019  
Report Number: P1245435  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-UNA-M-940-04L-U-OW  
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, OPEN WEAVE SHADE TEXTU  
LIGHT LEVEL 3  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 467.9 lumens  
Efficiency: N/A  
Efficacy: 28.9 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): 16.2  
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	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	45	39
2	86	77	70	63	79	71	65	59	61	56	51	51	47	43	42	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	27	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°	44739
5°	22643
10°	4349
15°	1459
20°	871
25°	665
30°	548
35°	494
40°	451
45°	434
50°	421
55°	414
60°	417
65°	415
70°	425
75°	436
80°	444
85°	455

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 472 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.7	8.3
10°-20°	18.6	4.0
20°-30°	16.1	3.4
30°-40°	19.4	4.1
40°-50°	23.9	5.1
50°-60°	29.0	6.2
60°-70°	33.9	7.3
70°-80°	38.5	8.2
80°-90°	41.3	8.8
90°-100°	42.4	9.1
100°-110°	41.3	8.8
110°-120°	37.5	8.0
120°-130°	31.6	6.7
130°-140°	24.4	5.2
140°-150°	16.8	3.6
150°-160°	9.8	2.1
160°-170°	4.2	0.9
170°-180°	0.6	0.1
0°-30°	73.5	15.7
0°-40°	92.8	19.8
0°-60°	145.8	31.2
0°-90°	259.5	55.4
90°-120°	121.2	25.9
90°-150°	193.9	41.4
90°-180°	208.0	44.5
0°-180°	467.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	873	
5°	601	39
15°	58	19
25°	35	16
35°	31	19
45°	31	24
55°	32	29
65°	34	34
75°	37	38
85°	38	31
90°	38	21
95°	39	32
105°	39	41
115°	38	37
125°	35	32
135°	32	24
145°	27	17
155°	21	10
165°	14	4
175°	4	1
180°	1	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	873.0
2.5°	940.6
5°	601.2
7.5°	209.7
10°	145.2
12.5°	83.1
15°	58.3
17.5°	47.2
20°	40.3
22.5°	36.6
25°	34.7
27.5°	32.9
30°	31.6
32.5°	31.0
35°	31.0
37.5°	30.4
40°	30.4
42.5°	30.4
45°	31.0
47.5°	31.0
50°	31.6
52.5°	31.6
55°	32.3
57.5°	32.9
60°	33.5
62.5°	33.5
65°	34.1
67.5°	34.7
70°	35.4
72.5°	36.0
75°	36.6
77.5°	36.6
80°	37.2
82.5°	37.8
85°	37.8
87.5°	37.8
90°	38.5
92.5°	38.5
95°	39.1
97.5°	39.1
100°	39.1
102.5°	39.1
105°	39.1
107.5°	39.1
110°	38.5

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	38.5
115°	37.8
117.5°	37.2
120°	36.6
122.5°	36.0
125°	35.4
127.5°	34.1
130°	33.5
132.5°	32.3
135°	31.6
137.5°	30.4
140°	29.2
142.5°	27.9
145°	26.7
147.5°	25.4
150°	24.2
152.5°	22.3
155°	21.1
157.5°	19.2
160°	18.0
162.5°	16.1
165°	14.3
167.5°	12.4
170°	10.5
172.5°	7.4
175°	4.3
177.5°	1.9
180°	0.6

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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	4.1	5.1	5.0	6.0	7.2	4.1	5.1	5.0	6.0	7.2
	3H	7.1	8.0	8.0	8.9	10.2	7.1	8.0	8.0	8.9	10.2
	4H	8.6	9.5	9.5	10.4	11.6	8.6	9.5	9.5	10.4	11.6
	6H	10.1	10.9	11.0	11.8	13.0	10.1	10.9	11.0	11.8	13.0
	8H	10.8	11.6	11.7	12.5	13.7	10.8	11.6	11.7	12.5	13.7
	12H	11.5	12.2	12.4	13.2	14.4	11.5	12.2	12.4	13.2	14.4
4H	2H	4.9	5.7	5.8	6.7	7.9	4.9	5.7	5.8	6.7	7.9
	3H	8.0	8.8	9.0	9.8	11.0	8.0	8.8	9.0	9.8	11.0
	4H	9.7	10.4	10.6	11.4	12.6	9.7	10.4	10.6	11.4	12.6
	6H	11.3	12.0	12.3	12.9	14.2	11.3	12.0	12.3	12.9	14.2
	8H	12.1	12.7	13.1	13.7	15.0	12.1	12.7	13.1	13.7	15.0
	12H	12.9	13.5	13.9	14.5	15.7	12.9	13.5	13.9	14.5	15.7
8H	4H	10.2	10.8	11.2	11.8	13.1	10.2	10.8	11.2	11.8	13.1
	6H	12.1	12.6	13.0	13.6	14.8	12.1	12.6	13.0	13.6	14.8
	8H	13.0	13.5	14.0	14.5	15.8	13.0	13.5	14.0	14.5	15.8
	12H	14.0	14.4	15.0	15.4	16.7	14.0	14.4	15.0	15.4	16.7
12H	4H	10.3	10.9	11.3	11.9	13.1	10.3	10.9	11.3	11.9	13.1
	6H	12.2	12.7	13.2	13.7	15.0	12.2	12.7	13.2	13.7	15.0
	8H	13.3	13.7	14.3	14.7	16.0	13.3	13.7	14.3	14.7	16.0

(END OF REPORT)