

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: P1245158

Luminaire Tested: PRLX-NIM-M-930-04L-U-WO

Issue Date: 1/30/2026

**Test Information**

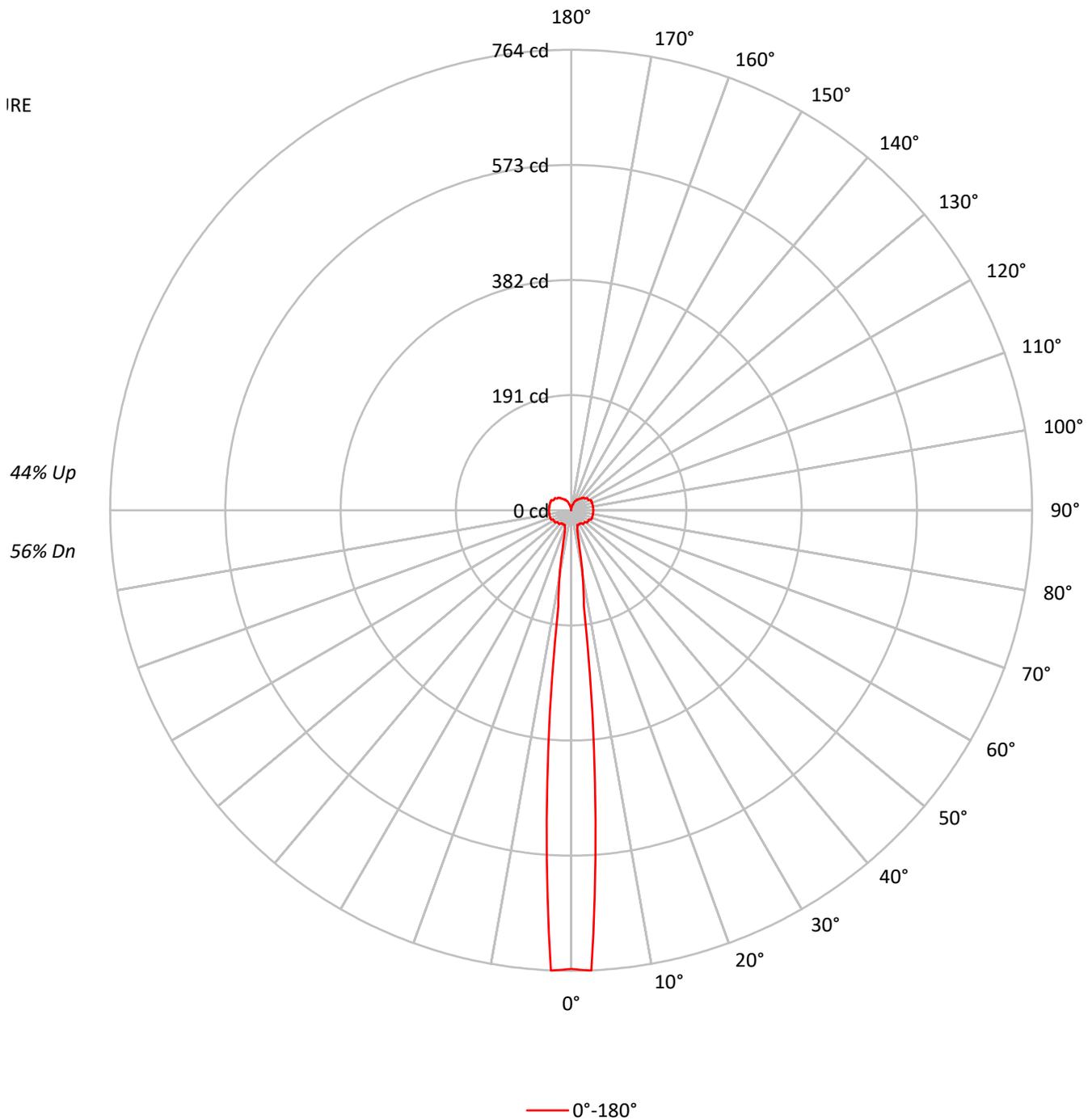
Test Method: LM-79-2019  
Report Number: P1245158  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-NIM-M-930-04L-U-WO  
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, WOVEN OVAL SHADE TEXTU  
LIGHT LEVEL 3  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 432.9 lumens  
Efficiency: N/A  
Efficacy: 26.7 lumens/watt  
Spacing Criteria (0/90/45): 0.2 / 0.2 / 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	56
1	95	89	83	78	88	82	77	73	70	66	63		58	55	53		48	46	44	38
2	85	76	68	62	78	70	63	58	60	54	50		50	46	42		40	37	35	30
3	77	66	58	51	71	61	54	47	52	46	41		43	39	35		35	32	29	25
4	71	59	50	43	65	54	46	40	46	40	35		39	34	30		32	28	25	21
5	65	52	43	37	60	49	41	35	42	35	30		35	30	26		29	25	22	18
6	60	47	39	32	56	44	36	30	38	32	27		32	27	23		27	23	20	17
7	56	43	35	29	52	40	33	27	35	29	24		30	25	21		25	21	18	15
8	53	40	32	26	49	37	30	25	32	26	22		28	23	19		23	19	17	14
9	49	37	29	24	46	34	27	22	30	24	20		26	21	18		22	18	15	13
10	47	34	27	22	43	32	25	21	28	22	19		24	20	17		21	17	15	13

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

	0°
0°	38999
5°	17099
10°	3301
15°	1086
20°	649
25°	512
30°	463
35°	425
40°	445
45°	420
50°	400
55°	428
60°	415
65°	446
70°	440
75°	438
80°	438
85°	442

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 450 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.3	7.0
10°-20°	13.9	3.2
20°-30°	12.5	2.9
30°-40°	17.1	3.9
40°-50°	23.2	5.4
50°-60°	29.6	6.8
60°-70°	35.2	8.1
70°-80°	38.8	9.0
80°-90°	40.0	9.3
90°-100°	40.0	9.3
100°-110°	38.8	9.0
110°-120°	36.0	8.3
120°-130°	29.6	6.8
130°-140°	22.3	5.2
140°-150°	14.2	3.3
150°-160°	8.2	1.9
160°-170°	2.7	0.6
170°-180°	0.3	0.1
0°-30°	56.7	13.1
0°-40°	73.7	17.0
0°-60°	126.6	29.2
0°-90°	240.7	55.6
90°-120°	114.9	26.5
90°-150°	181.1	41.8
90°-180°	192.0	44.4
0°-180°	432.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	761	
5°	454	30
15°	43	14
25°	27	13
35°	27	17
45°	30	23
55°	33	30
65°	37	35
75°	37	39
85°	37	30
90°	37	20
95°	37	30
105°	37	39
115°	37	36
125°	33	30
135°	30	22
145°	23	14
155°	17	8
165°	10	3
175°	0	0
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	761.0
2.5°	764.4
5°	454.0
7.5°	160.2
10°	110.2
12.5°	63.4
15°	43.4
17.5°	33.4
20°	30.0
22.5°	26.7
25°	26.7
27.5°	26.7
30°	26.7
32.5°	26.7
35°	26.7
37.5°	26.7
40°	30.0
42.5°	30.0
45°	30.0
47.5°	30.0
50°	30.0
52.5°	33.4
55°	33.4
57.5°	33.4
60°	33.4
62.5°	33.4
65°	36.7
67.5°	36.7
70°	36.7
72.5°	36.7
75°	36.7
77.5°	36.7
80°	36.7
82.5°	36.7
85°	36.7
87.5°	36.7
90°	36.7
92.5°	36.7
95°	36.7
97.5°	36.7
100°	36.7
102.5°	36.7
105°	36.7
107.5°	36.7
110°	36.7

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	36.7
115°	36.7
117.5°	36.7
120°	33.4
122.5°	33.4
125°	33.4
127.5°	33.4
130°	30.0
132.5°	30.0
135°	30.0
137.5°	26.7
140°	26.7
142.5°	23.4
145°	23.4
147.5°	20.0
150°	20.0
152.5°	20.0
155°	16.7
157.5°	16.7
160°	13.4
162.5°	10.0
165°	10.0
167.5°	6.7
170°	6.7
172.5°	3.3
175°	0.0
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	4.4	5.5	5.3	6.4	7.6	4.4	5.5	5.3	6.4	7.6
	3H	7.6	8.5	8.5	9.5	10.7	7.6	8.5	8.5	9.5	10.7
	4H	9.0	9.9	9.9	10.8	12.1	9.0	9.9	9.9	10.8	12.1
	6H	10.4	11.2	11.3	12.2	13.4	10.4	11.2	11.3	12.2	13.4
	8H	11.1	11.9	12.0	12.8	14.1	11.1	11.9	12.0	12.8	14.1
	12H	11.7	12.5	12.6	13.4	14.7	11.7	12.5	12.6	13.4	14.7
4H	2H	5.3	6.2	6.2	7.1	8.3	5.3	6.2	6.2	7.1	8.3
	3H	8.5	9.3	9.5	10.3	11.5	8.5	9.3	9.5	10.3	11.5
	4H	10.1	10.8	11.0	11.8	13.1	10.1	10.8	11.0	11.8	13.1
	6H	11.7	12.3	12.6	13.3	14.5	11.7	12.3	12.6	13.3	14.5
	8H	12.4	13.0	13.4	14.0	15.3	12.4	13.0	13.4	14.0	15.3
	12H	13.2	13.7	14.1	14.7	16.0	13.2	13.7	14.1	14.7	16.0
8H	4H	10.6	11.2	11.6	12.2	13.5	10.6	11.2	11.6	12.2	13.5
	6H	12.4	12.9	13.3	13.9	15.2	12.4	12.9	13.3	13.9	15.2
	8H	13.3	13.8	14.2	14.8	16.0	13.3	13.8	14.2	14.8	16.0
	12H	14.2	14.6	15.2	15.6	16.9	14.2	14.6	15.2	15.6	16.9
12H	4H	10.7	11.3	11.7	12.3	13.5	10.7	11.3	11.7	12.3	13.5
	6H	12.6	13.0	13.5	14.0	15.3	12.6	13.0	13.5	14.0	15.3
	8H	13.5	14.0	14.5	15.0	16.3	13.5	14.0	14.5	15.0	16.3

(END OF REPORT)