

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: P1245155

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

Issue Date: 1/30/2026

**Test Information**

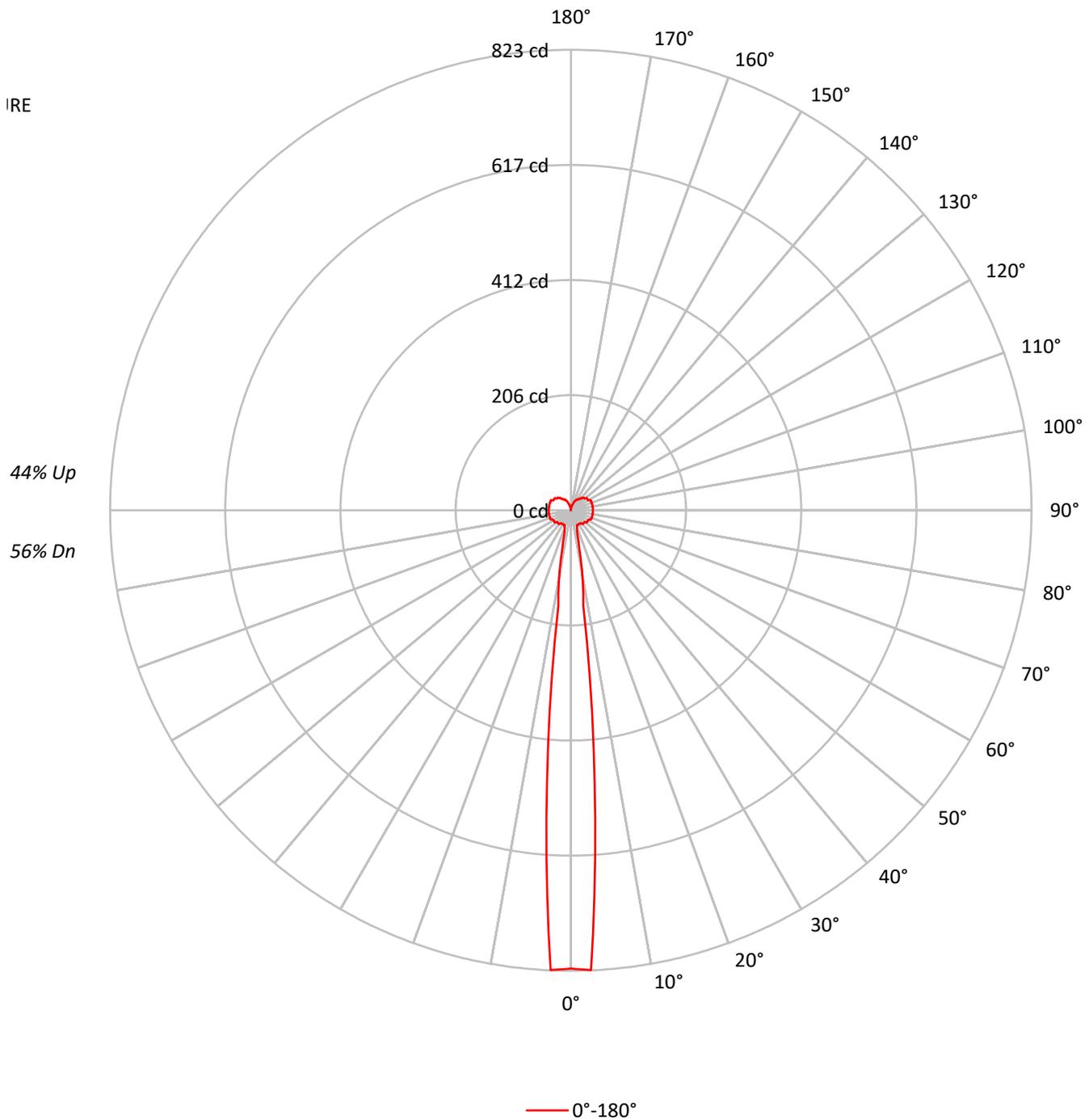
Test Method: LM-79-2019  
Report Number: P1245155  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-NIM-M-930-04L-U-LF  
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, LAYERED FINE SHADE TEXTU  
LIGHT LEVEL 3  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 465.8 lumens  
Efficiency: N/A  
Efficacy: 28.8 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 (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	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°	41971
5°	18398
10°	3549
15°	1168
20°	698
25°	550
30°	497
35°	457
40°	479
45°	452
50°	430
55°	460
60°	446
65°	480
70°	474
75°	471
80°	472
85°	476

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 484 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.6	7.0
10°-20°	14.9	3.2
20°-30°	13.5	2.9
30°-40°	18.3	3.9
40°-50°	25.0	5.4
50°-60°	31.8	6.8
60°-70°	37.9	8.1
70°-80°	41.8	9.0
80°-90°	43.1	9.3
90°-100°	43.1	9.3
100°-110°	41.8	9.0
110°-120°	38.8	8.3
120°-130°	31.8	6.8
130°-140°	24.0	5.2
140°-150°	15.3	3.3
150°-160°	8.8	1.9
160°-170°	2.9	0.6
170°-180°	0.3	0.1
0°-30°	61.0	13.1
0°-40°	79.3	17.0
0°-60°	136.1	29.2
0°-90°	258.9	55.6
90°-120°	123.7	26.5
90°-150°	194.8	41.8
90°-180°	207.0	44.4
0°-180°	465.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	819	
5°	488	33
15°	47	15
25°	29	13
35°	29	18
45°	32	25
55°	36	32
65°	40	38
75°	40	42
85°	40	32
90°	40	22
95°	40	32
105°	40	42
115°	40	39
125°	36	32
135°	32	24
145°	25	15
155°	18	9
165°	11	3
175°	0	0
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	819.0
2.5°	822.6
5°	488.5
7.5°	172.4
10°	118.5
12.5°	68.3
15°	46.7
17.5°	35.9
20°	32.3
22.5°	28.7
25°	28.7
27.5°	28.7
30°	28.7
32.5°	28.7
35°	28.7
37.5°	28.7
40°	32.3
42.5°	32.3
45°	32.3
47.5°	32.3
50°	32.3
52.5°	35.9
55°	35.9
57.5°	35.9
60°	35.9
62.5°	35.9
65°	39.5
67.5°	39.5
70°	39.5
72.5°	39.5
75°	39.5
77.5°	39.5
80°	39.5
82.5°	39.5
85°	39.5
87.5°	39.5
90°	39.5
92.5°	39.5
95°	39.5
97.5°	39.5
100°	39.5
102.5°	39.5
105°	39.5
107.5°	39.5
110°	39.5



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	39.5
115°	39.5
117.5°	39.5
120°	35.9
122.5°	35.9
125°	35.9
127.5°	35.9
130°	32.3
132.5°	32.3
135°	32.3
137.5°	28.7
140°	28.7
142.5°	25.1
145°	25.1
147.5°	21.6
150°	21.6
152.5°	21.6
155°	18.0
157.5°	18.0
160°	14.4
162.5°	10.8
165°	10.8
167.5°	7.2
170°	7.2
172.5°	3.6
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	4.7	5.7	5.6	6.6	7.8	4.7	5.7	5.6	6.6	7.8
	3H	7.8	8.8	8.7	9.7	10.9	7.8	8.8	8.7	9.7	10.9
	4H	9.3	10.2	10.2	11.1	12.3	9.3	10.2	10.2	11.1	12.3
	6H	10.7	11.5	11.6	12.4	13.7	10.7	11.5	11.6	12.4	13.7
	8H	11.3	12.1	12.2	13.1	14.3	11.3	12.1	12.2	13.1	14.3
	12H	12.0	12.7	12.9	13.7	15.0	12.0	12.7	12.9	13.7	15.0
4H	2H	5.5	6.4	6.4	7.4	8.6	5.5	6.4	6.4	7.4	8.6
	3H	8.8	9.6	9.7	10.5	11.8	8.8	9.6	9.7	10.5	11.8
	4H	10.4	11.1	11.3	12.1	13.3	10.4	11.1	11.3	12.1	13.3
	6H	11.9	12.6	12.9	13.6	14.8	11.9	12.6	12.9	13.6	14.8
	8H	12.7	13.3	13.6	14.3	15.5	12.7	13.3	13.6	14.3	15.5
	12H	13.4	14.0	14.4	15.0	16.3	13.4	14.0	14.4	15.0	16.3
8H	4H	10.9	11.5	11.8	12.5	13.7	10.9	11.5	11.8	12.5	13.7
	6H	12.6	13.2	13.6	14.2	15.4	12.6	13.2	13.6	14.2	15.4
	8H	13.5	14.0	14.5	15.0	16.3	13.5	14.0	14.5	15.0	16.3
	12H	14.5	14.9	15.4	15.9	17.2	14.5	14.9	15.4	15.9	17.2
12H	4H	11.0	11.5	11.9	12.5	13.8	11.0	11.5	11.9	12.5	13.8
	6H	12.8	13.3	13.8	14.3	15.6	12.8	13.3	13.8	14.3	15.6
	8H	13.8	14.2	14.8	15.2	16.5	13.8	14.2	14.8	15.2	16.5

(END OF REPORT)