

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: P1245160

Luminaire Tested: PRLX-NIM-M-930-06L-U-NL

Issue Date: 1/30/2026

**Test Information**

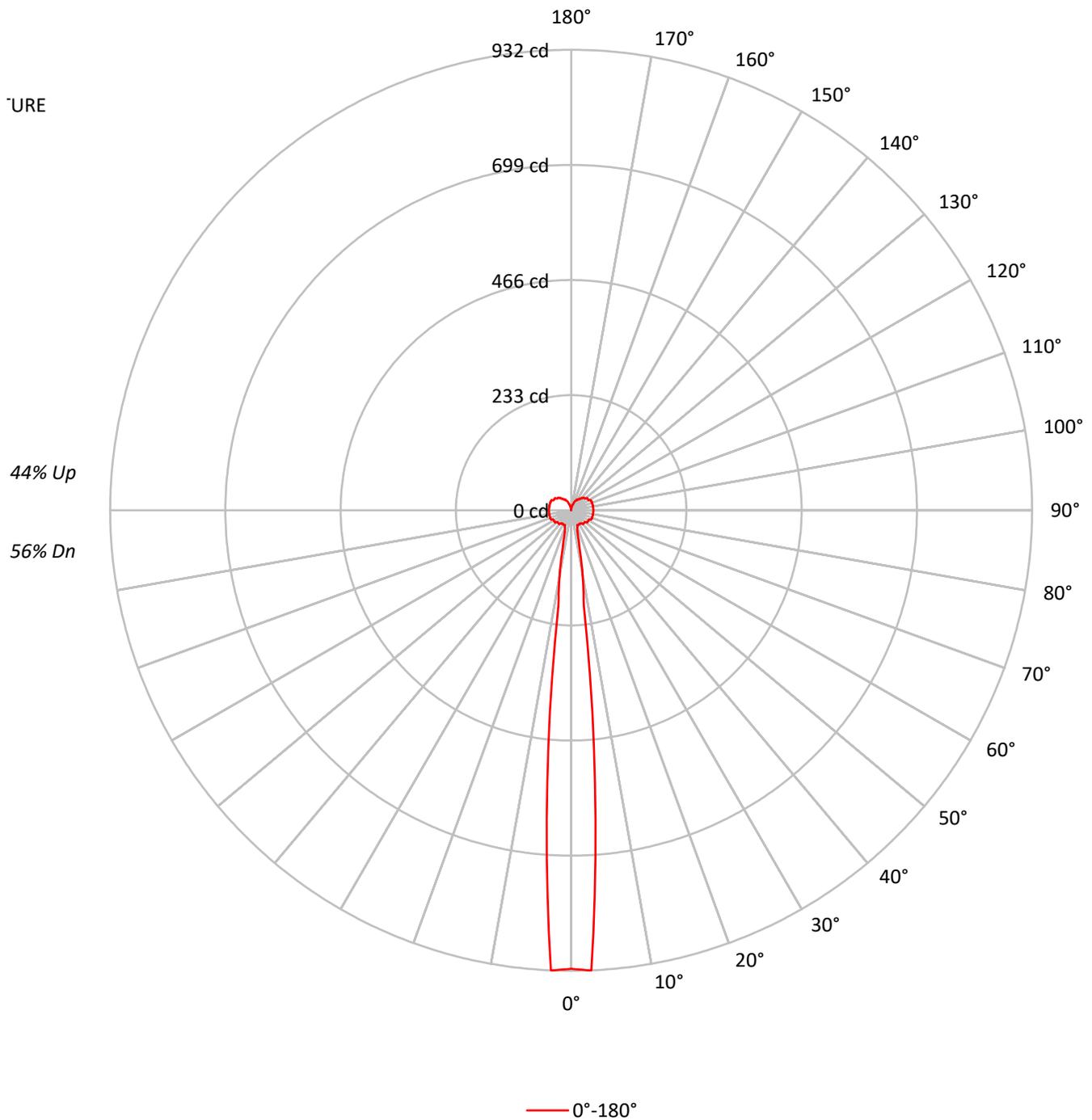
Test Method: LM-79-2019  
Report Number: P1245160  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-NIM-M-930-06L-U-NL  
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, NATURAL LINES SHADE TEXT LIGHT LEVEL 4  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 528.2 lumens  
Efficiency: N/A  
Efficacy: 24.8 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): 21.3  
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	16	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°	47557
5°	20846
10°	4022
15°	1323
20°	791
25°	625
30°	565
35°	519
40°	543
45°	512
50°	488
55°	522
60°	506
65°	545
70°	537
75°	534
80°	535
85°	540

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 549 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.9	7.0
10°-20°	16.9	3.2
20°-30°	15.3	2.9
30°-40°	20.8	3.9
40°-50°	28.3	5.4
50°-60°	36.1	6.8
60°-70°	43.0	8.1
70°-80°	47.4	9.0
80°-90°	48.9	9.3
90°-100°	48.9	9.3
100°-110°	47.4	9.0
110°-120°	44.0	8.3
120°-130°	36.1	6.8
130°-140°	27.2	5.2
140°-150°	17.4	3.3
150°-160°	10.0	1.9
160°-170°	3.3	0.6
170°-180°	0.3	0.1
0°-30°	69.1	13.1
0°-40°	89.9	17.0
0°-60°	154.4	29.2
0°-90°	293.6	55.6
90°-120°	140.3	26.6
90°-150°	220.9	41.8
90°-180°	235.0	44.5
0°-180°	528.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	928	
5°	554	37
15°	53	17
25°	33	15
35°	33	21
45°	37	28
55°	41	36
65°	45	43
75°	45	47
85°	45	37
90°	45	25
95°	45	37
105°	45	47
115°	45	44
125°	41	36
135°	37	27
145°	28	17
155°	20	10
165°	12	3
175°	0	0
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	928.0
2.5°	932.1
5°	553.5
7.5°	195.4
10°	134.3
12.5°	77.3
15°	52.9
17.5°	40.7
20°	36.6
22.5°	32.6
25°	32.6
27.5°	32.6
30°	32.6
32.5°	32.6
35°	32.6
37.5°	32.6
40°	36.6
42.5°	36.6
45°	36.6
47.5°	36.6
50°	36.6
52.5°	40.7
55°	40.7
57.5°	40.7
60°	40.7
62.5°	40.7
65°	44.8
67.5°	44.8
70°	44.8
72.5°	44.8
75°	44.8
77.5°	44.8
80°	44.8
82.5°	44.8
85°	44.8
87.5°	44.8
90°	44.8
92.5°	44.8
95°	44.8
97.5°	44.8
100°	44.8
102.5°	44.8
105°	44.8
107.5°	44.8
110°	44.8

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	44.8
115°	44.8
117.5°	44.8
120°	40.7
122.5°	40.7
125°	40.7
127.5°	40.7
130°	36.6
132.5°	36.6
135°	36.6
137.5°	32.6
140°	32.6
142.5°	28.5
145°	28.5
147.5°	24.4
150°	24.4
152.5°	24.4
155°	20.4
157.5°	20.4
160°	16.3
162.5°	12.2
165°	12.2
167.5°	8.1
170°	8.1
172.5°	4.1
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	5.1	6.1	6.0	7.1	8.2	5.1	6.1	6.0	7.1	8.2
	3H	8.3	9.2	9.2	10.1	11.3	8.3	9.2	9.2	10.1	11.3
	4H	9.7	10.6	10.6	11.5	12.7	9.7	10.6	10.6	11.5	12.7
	6H	11.1	11.9	12.0	12.9	14.1	11.1	11.9	12.0	12.9	14.1
	8H	11.8	12.6	12.7	13.5	14.7	11.8	12.6	12.7	13.5	14.7
	12H	12.4	13.2	13.3	14.1	15.4	12.4	13.2	13.3	14.1	15.4
4H	2H	6.0	6.9	6.9	7.8	9.0	6.0	6.9	6.9	7.8	9.0
	3H	9.2	10.0	10.2	11.0	12.2	9.2	10.0	10.2	11.0	12.2
	4H	10.8	11.5	11.7	12.5	13.7	10.8	11.5	11.7	12.5	13.7
	6H	12.4	13.0	13.3	14.0	15.2	12.4	13.0	13.3	14.0	15.2
	8H	13.1	13.7	14.1	14.7	16.0	13.1	13.7	14.1	14.7	16.0
	12H	13.9	14.4	14.8	15.4	16.7	13.9	14.4	14.8	15.4	16.7
8H	4H	11.3	11.9	12.3	12.9	14.2	11.3	11.9	12.3	12.9	14.2
	6H	13.1	13.6	14.0	14.6	15.9	13.1	13.6	14.0	14.6	15.9
	8H	14.0	14.4	14.9	15.4	16.7	14.0	14.4	14.9	15.4	16.7
	12H	14.9	15.3	15.9	16.3	17.6	14.9	15.3	15.9	16.3	17.6
12H	4H	11.4	12.0	12.4	13.0	14.2	11.4	12.0	12.4	13.0	14.2
	6H	13.2	13.7	14.2	14.7	16.0	13.2	13.7	14.2	14.7	16.0
	8H	14.2	14.7	15.2	15.7	17.0	14.2	14.7	15.2	15.7	17.0

(END OF REPORT)