

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: P1245144

Luminaire Tested: PRLX-NIM-M-927-07L-U-NL

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245144  
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-927-07L-U-NL  
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, NATURAL LINES SHADE TEXT LIGHT LEVEL 5  
Light Source: -  
Ballast/Driver: -

**Summary**

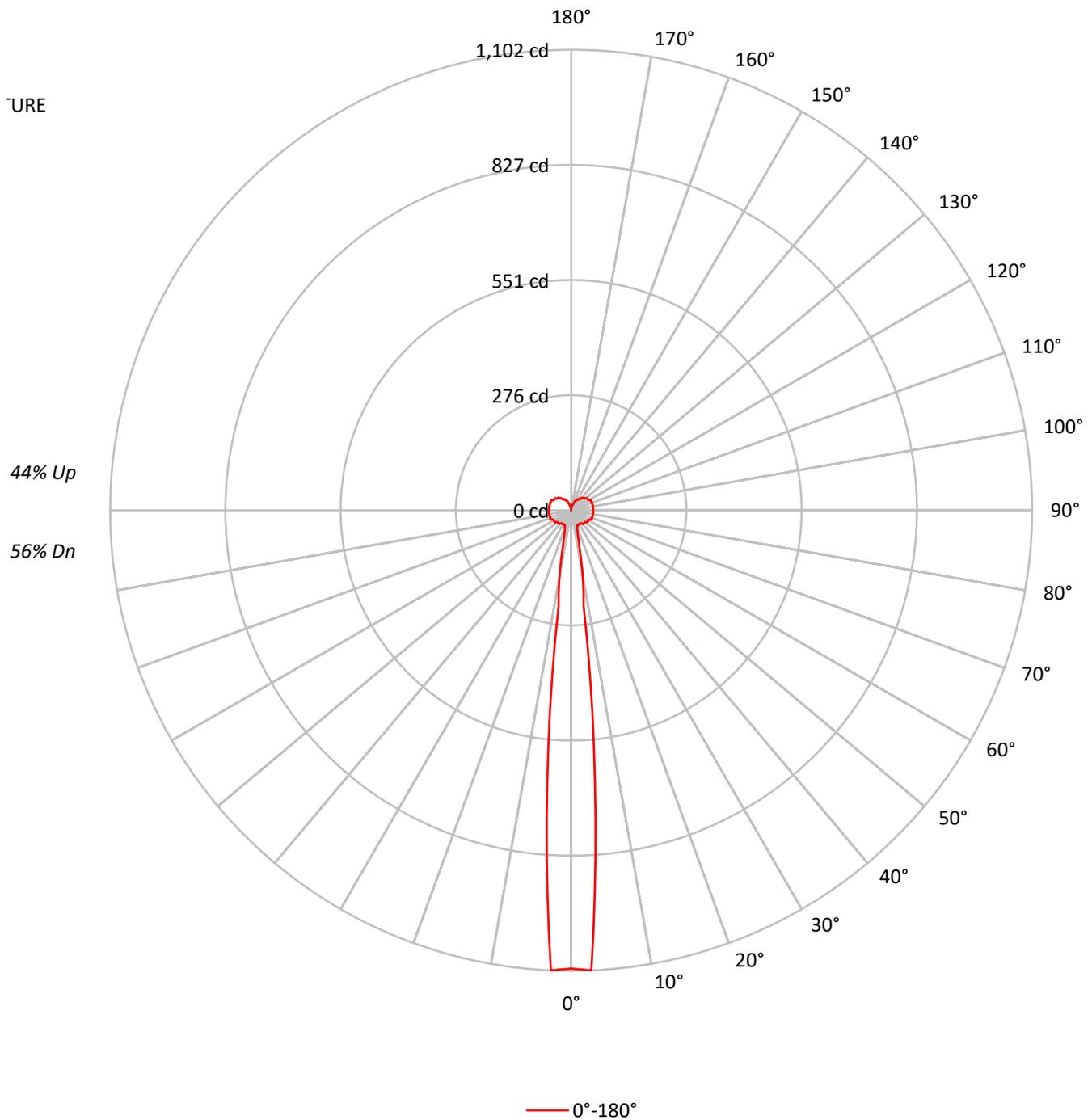
Lumens per Lamp: N/A  
Luminaire Lumens: 624.0 lumens  
Efficiency: N/A  
Efficacy: 21.6 lumens/watt  
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18  
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')  
CIE Type: General Diffuse

Input Watts (W): 28.9  
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°	56203
5°	24639
10°	4753
15°	1564
20°	936
25°	738
30°	667
35°	613
40°	642
45°	606
50°	577
55°	616
60°	598
65°	643
70°	635
75°	631
80°	632
85°	637

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 648 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.6	7.0
10°-20°	20.0	3.2
20°-30°	18.1	2.9
30°-40°	24.6	3.9
40°-50°	33.5	5.4
50°-60°	42.6	6.8
60°-70°	50.8	8.1
70°-80°	56.0	9.0
80°-90°	57.7	9.2
90°-100°	57.7	9.2
100°-110°	56.0	9.0
110°-120°	51.9	8.3
120°-130°	42.6	6.8
130°-140°	32.2	5.2
140°-150°	20.5	3.3
150°-160°	11.8	1.9
160°-170°	3.9	0.6
170°-180°	0.4	0.1
0°-30°	81.7	13.1
0°-40°	106.3	17.0
0°-60°	182.4	29.2
0°-90°	346.9	55.6
90°-120°	165.6	26.5
90°-150°	261.0	41.8
90°-180°	277.0	44.4
0°-180°	624.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1097	
5°	654	44
15°	62	20
25°	38	18
35°	38	25
45°	43	34
55°	48	43
65°	53	51
75°	53	56
85°	53	43
90°	53	29
95°	53	43
105°	53	56
115°	53	52
125°	48	43
135°	43	32
145°	34	21
155°	24	12
165°	14	4
175°	0	0
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1096.7
2.5°	1101.5
5°	654.2
7.5°	230.9
10°	158.7
12.5°	91.4
15°	62.5
17.5°	48.1
20°	43.3
22.5°	38.5
25°	38.5
27.5°	38.5
30°	38.5
32.5°	38.5
35°	38.5
37.5°	38.5
40°	43.3
42.5°	43.3
45°	43.3
47.5°	43.3
50°	43.3
52.5°	48.1
55°	48.1
57.5°	48.1
60°	48.1
62.5°	48.1
65°	52.9
67.5°	52.9
70°	52.9
72.5°	52.9
75°	52.9
77.5°	52.9
80°	52.9
82.5°	52.9
85°	52.9
87.5°	52.9
90°	52.9
92.5°	52.9
95°	52.9
97.5°	52.9
100°	52.9
102.5°	52.9
105°	52.9
107.5°	52.9
110°	52.9

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	52.9
115°	52.9
117.5°	52.9
120°	48.1
122.5°	48.1
125°	48.1
127.5°	48.1
130°	43.3
132.5°	43.3
135°	43.3
137.5°	38.5
140°	38.5
142.5°	33.7
145°	33.7
147.5°	28.9
150°	28.9
152.5°	28.9
155°	24.1
157.5°	24.1
160°	19.2
162.5°	14.4
165°	14.4
167.5°	9.6
170°	9.6
172.5°	4.8
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	5.7	6.7	6.6	7.6	8.8	5.7	6.7	6.6	7.6	8.8
	3H	8.8	9.8	9.7	10.7	11.9	8.8	9.8	9.7	10.7	11.9
	4H	10.3	11.2	11.2	12.1	13.3	10.3	11.2	11.2	12.1	13.3
	6H	11.7	12.5	12.6	13.5	14.7	11.7	12.5	12.6	13.5	14.7
	8H	12.3	13.1	13.3	14.1	15.3	12.3	13.1	13.3	14.1	15.3
	12H	13.0	13.8	13.9	14.7	16.0	13.0	13.8	13.9	14.7	16.0
4H	2H	6.6	7.5	7.5	8.4	9.6	6.6	7.5	7.5	8.4	9.6
	3H	9.8	10.6	10.7	11.6	12.8	9.8	10.6	10.7	11.6	12.8
	4H	11.4	12.1	12.3	13.1	14.3	11.4	12.1	12.3	13.1	14.3
	6H	12.9	13.6	13.9	14.6	15.8	12.9	13.6	13.9	14.6	15.8
	8H	13.7	14.3	14.6	15.3	16.5	13.7	14.3	14.6	15.3	16.5
	12H	14.4	15.0	15.4	16.0	17.3	14.4	15.0	15.4	16.0	17.3
8H	4H	11.9	12.5	12.8	13.5	14.7	11.9	12.5	12.8	13.5	14.7
	6H	13.6	14.2	14.6	15.2	16.4	13.6	14.2	14.6	15.2	16.4
	8H	14.5	15.0	15.5	16.0	17.3	14.5	15.0	15.5	16.0	17.3
	12H	15.5	15.9	16.4	16.9	18.2	15.5	15.9	16.4	16.9	18.2
12H	4H	12.0	12.6	13.0	13.5	14.8	12.0	12.6	13.0	13.5	14.8
	6H	13.8	14.3	14.8	15.3	16.6	13.8	14.3	14.8	15.3	16.6
	8H	14.8	15.2	15.8	16.2	17.5	14.8	15.2	15.8	16.2	17.5

(END OF REPORT)