

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: P1245203

Luminaire Tested: PRLX-NIM-M-940-07L-U-LF

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245203  
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-940-07L-U-LF  
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, LAYERED FINE SHADE TEXTU  
LIGHT LEVEL 5  
Light Source: -  
Ballast/Driver: -

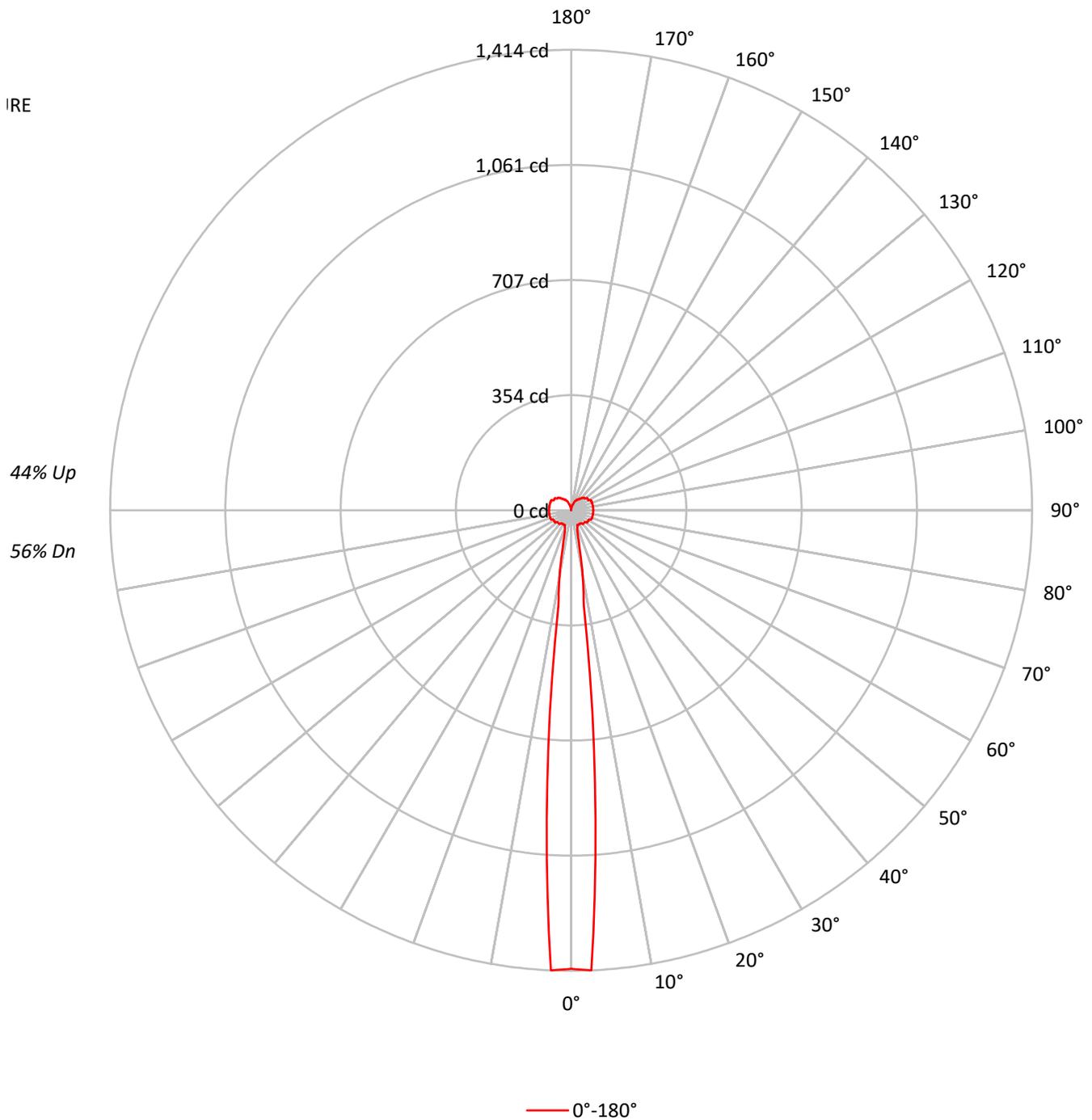
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 800.8 lumens  
Efficiency: N/A  
Efficacy: 27.7 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): 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°	72146
5°	31629
10°	6104
15°	2009
20°	1202
25°	947
30°	856
35°	787
40°	825
45°	778
50°	741
55°	791
60°	767
65°	826
70°	815
75°	810
80°	811
85°	818

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 832 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.0	7.0
10°-20°	25.6	3.2
20°-30°	23.2	2.9
30°-40°	31.6	3.9
40°-50°	43.1	5.4
50°-60°	54.7	6.8
60°-70°	65.1	8.1
70°-80°	71.8	9.0
80°-90°	74.1	9.3
90°-100°	74.1	9.3
100°-110°	71.8	9.0
110°-120°	66.7	8.3
120°-130°	54.7	6.8
130°-140°	41.4	5.2
140°-150°	26.3	3.3
150°-160°	15.2	1.9
160°-170°	5.0	0.6
170°-180°	0.5	0.1
0°-30°	104.8	13.1
0°-40°	136.4	17.0
0°-60°	234.2	29.2
0°-90°	445.2	55.6
90°-120°	212.6	26.5
90°-150°	334.9	41.8
90°-180°	356.0	44.5
0°-180°	800.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1408	
5°	840	56
15°	80	26
25°	49	23
35°	49	32
45°	56	43
55°	62	55
65°	68	65
75°	68	72
85°	68	55
90°	68	37
95°	68	55
105°	68	72
115°	68	67
125°	62	55
135°	56	41
145°	43	26
155°	31	15
165°	18	5
175°	0	0
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1407.8
2.5°	1414.0
5°	839.8
7.5°	296.4
10°	203.8
12.5°	117.3
15°	80.3
17.5°	61.7
20°	55.6
22.5°	49.4
25°	49.4
27.5°	49.4
30°	49.4
32.5°	49.4
35°	49.4
37.5°	49.4
40°	55.6
42.5°	55.6
45°	55.6
47.5°	55.6
50°	55.6
52.5°	61.7
55°	61.7
57.5°	61.7
60°	61.7
62.5°	61.7
65°	67.9
67.5°	67.9
70°	67.9
72.5°	67.9
75°	67.9
77.5°	67.9
80°	67.9
82.5°	67.9
85°	67.9
87.5°	67.9
90°	67.9
92.5°	67.9
95°	67.9
97.5°	67.9
100°	67.9
102.5°	67.9
105°	67.9
107.5°	67.9
110°	67.9

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	67.9
115°	67.9
117.5°	67.9
120°	61.7
122.5°	61.7
125°	61.7
127.5°	61.7
130°	55.6
132.5°	55.6
135°	55.6
137.5°	49.4
140°	49.4
142.5°	43.2
145°	43.2
147.5°	37.0
150°	37.0
152.5°	37.0
155°	30.9
157.5°	30.9
160°	24.7
162.5°	18.5
165°	18.5
167.5°	12.3
170°	12.3
172.5°	6.2
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	6.6	7.6	7.4	8.5	9.7	6.6	7.6	7.4	8.5	9.7
	3H	9.7	10.7	10.6	11.6	12.8	9.7	10.7	10.6	11.6	12.8
	4H	11.1	12.0	12.0	13.0	14.2	11.1	12.0	12.0	13.0	14.2
	6H	12.5	13.4	13.5	14.3	15.5	12.5	13.4	13.5	14.3	15.5
	8H	13.2	14.0	14.1	15.0	16.2	13.2	14.0	14.1	15.0	16.2
	12H	13.8	14.6	14.8	15.6	16.8	13.8	14.6	14.8	15.6	16.8
4H	2H	7.4	8.3	8.3	9.3	10.5	7.4	8.3	8.3	9.3	10.5
	3H	10.7	11.5	11.6	12.4	13.7	10.7	11.5	11.6	12.4	13.7
	4H	12.2	13.0	13.2	13.9	15.2	12.2	13.0	13.2	13.9	15.2
	6H	13.8	14.5	14.7	15.4	16.7	13.8	14.5	14.7	15.4	16.7
	8H	14.6	15.2	15.5	16.2	17.4	14.6	15.2	15.5	16.2	17.4
	12H	15.3	15.9	16.3	16.9	18.1	15.3	15.9	16.3	16.9	18.1
8H	4H	12.8	13.4	13.7	14.3	15.6	12.8	13.4	13.7	14.3	15.6
	6H	14.5	15.0	15.5	16.1	17.3	14.5	15.0	15.5	16.1	17.3
	8H	15.4	15.9	16.4	16.9	18.2	15.4	15.9	16.4	16.9	18.2
	12H	16.3	16.8	17.3	17.8	19.1	16.3	16.8	17.3	17.8	19.1
12H	4H	12.9	13.4	13.8	14.4	15.7	12.9	13.4	13.8	14.4	15.7
	6H	14.7	15.2	15.7	16.2	17.5	14.7	15.2	15.7	16.2	17.5
	8H	15.7	16.1	16.7	17.1	18.4	15.7	16.1	16.7	17.1	18.4

(END OF REPORT)