

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: P1245204

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

Issue Date: 1/30/2026

**Test Information**

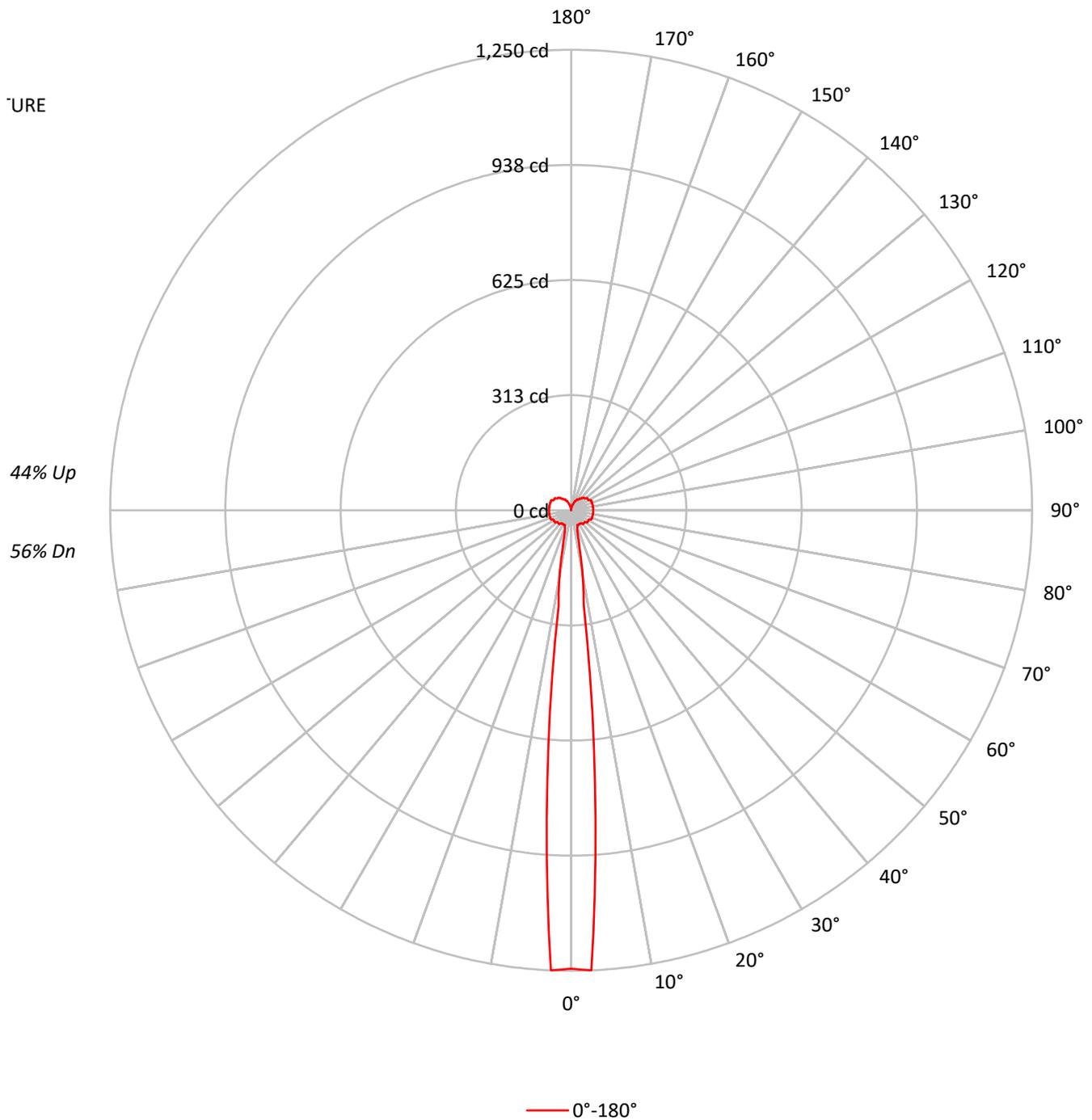
Test Method: LM-79-2019  
Report Number: P1245204  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-NIM-M-940-07L-U-NL  
Description: 3D PRINTED 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: 707.8 lumens  
Efficiency: N/A  
Efficacy: 24.5 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°	63772
5°	27957
10°	5394
15°	1776
20°	1062
25°	838
30°	757
35°	696
40°	728
45°	687
50°	654
55°	700
60°	679
65°	730
70°	720
75°	715
80°	716
85°	723

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 735 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.5	7.0
10°-20°	22.7	3.2
20°-30°	20.5	2.9
30°-40°	27.9	3.9
40°-50°	38.0	5.4
50°-60°	48.4	6.8
60°-70°	57.6	8.1
70°-80°	63.5	9.0
80°-90°	65.5	9.2
90°-100°	65.5	9.2
100°-110°	63.5	9.0
110°-120°	58.9	8.3
120°-130°	48.4	6.8
130°-140°	36.5	5.2
140°-150°	23.3	3.3
150°-160°	13.4	1.9
160°-170°	4.4	0.6
170°-180°	0.4	0.1
0°-30°	92.7	13.1
0°-40°	120.6	17.0
0°-60°	207.0	29.2
0°-90°	393.6	55.6
90°-120°	187.8	26.5
90°-150°	296.0	41.8
90°-180°	314.0	44.4
0°-180°	707.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1244	
5°	742	50
15°	71	23
25°	44	20
35°	44	28
45°	49	38
55°	55	48
65°	60	58
75°	60	63
85°	60	49
90°	60	33
95°	60	49
105°	60	63
115°	60	59
125°	55	48
135°	49	37
145°	38	23
155°	27	13
165°	16	4
175°	0	0
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1244.4
2.5°	1249.8
5°	742.3
7.5°	262.0
10°	180.1
12.5°	103.7
15°	71.0
17.5°	54.6
20°	49.1
22.5°	43.7
25°	43.7
27.5°	43.7
30°	43.7
32.5°	43.7
35°	43.7
37.5°	43.7
40°	49.1
42.5°	49.1
45°	49.1
47.5°	49.1
50°	49.1
52.5°	54.6
55°	54.6
57.5°	54.6
60°	54.6
62.5°	54.6
65°	60.0
67.5°	60.0
70°	60.0
72.5°	60.0
75°	60.0
77.5°	60.0
80°	60.0
82.5°	60.0
85°	60.0
87.5°	60.0
90°	60.0
92.5°	60.0
95°	60.0
97.5°	60.0
100°	60.0
102.5°	60.0
105°	60.0
107.5°	60.0
110°	60.0

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	60.0
115°	60.0
117.5°	60.0
120°	54.6
122.5°	54.6
125°	54.6
127.5°	54.6
130°	49.1
132.5°	49.1
135°	49.1
137.5°	43.7
140°	43.7
142.5°	38.2
145°	38.2
147.5°	32.7
150°	32.7
152.5°	32.7
155°	27.3
157.5°	27.3
160°	21.8
162.5°	16.4
165°	16.4
167.5°	10.9
170°	10.9
172.5°	5.5
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	6.1	7.2	7.0	8.1	9.3	6.1	7.2	7.0	8.1	9.3
	3H	9.3	10.2	10.2	11.2	12.4	9.3	10.2	10.2	11.2	12.4
	4H	10.7	11.6	11.6	12.6	13.8	10.7	11.6	11.6	12.6	13.8
	6H	12.1	13.0	13.0	13.9	15.1	12.1	13.0	13.0	13.9	15.1
	8H	12.8	13.6	13.7	14.5	15.8	12.8	13.6	13.7	14.5	15.8
	12H	13.4	14.2	14.4	15.2	16.4	13.4	14.2	14.4	15.2	16.4
4H	2H	7.0	7.9	7.9	8.8	10.0	7.0	7.9	7.9	8.8	10.0
	3H	10.3	11.0	11.2	12.0	13.2	10.3	11.0	11.2	12.0	13.2
	4H	11.8	12.6	12.7	13.5	14.8	11.8	12.6	12.7	13.5	14.8
	6H	13.4	14.0	14.3	15.0	16.2	13.4	14.0	14.3	15.0	16.2
	8H	14.1	14.7	15.1	15.7	17.0	14.1	14.7	15.1	15.7	17.0
	12H	14.9	15.4	15.8	16.4	17.7	14.9	15.4	15.8	16.4	17.7
8H	4H	12.3	12.9	13.3	13.9	15.2	12.3	12.9	13.3	13.9	15.2
	6H	14.1	14.6	15.0	15.6	16.9	14.1	14.6	15.0	15.6	16.9
	8H	15.0	15.5	16.0	16.5	17.7	15.0	15.5	16.0	16.5	17.7
	12H	15.9	16.3	16.9	17.3	18.7	15.9	16.3	16.9	17.3	18.7
12H	4H	12.4	13.0	13.4	14.0	15.3	12.4	13.0	13.4	14.0	15.3
	6H	14.3	14.7	15.2	15.7	17.0	14.3	14.7	15.2	15.7	17.0
	8H	15.2	15.7	16.2	16.7	18.0	15.2	15.7	16.2	16.7	18.0

(END OF REPORT)