

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: P1245206

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

Issue Date: 1/30/2026

**Test Information**

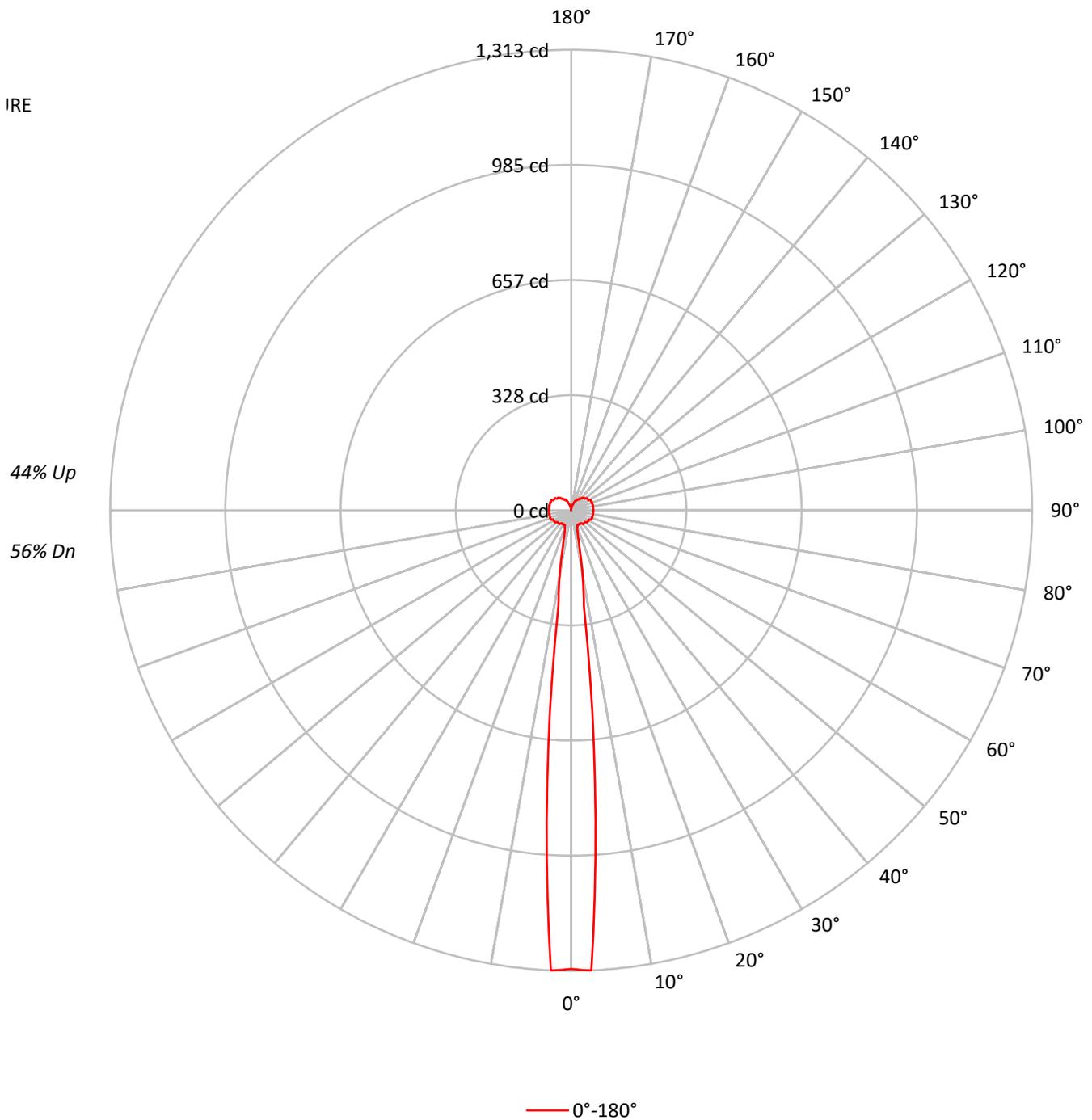
Test Method: LM-79-2019  
Report Number: P1245206  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-NIM-M-940-07L-U-WO  
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, WOVEN OVAL SHADE TEXTU  
LIGHT LEVEL 5  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 744.2 lumens  
Efficiency: N/A  
Efficacy: 25.7 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 (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°	67016
5°	29377
10°	5670
15°	1866
20°	1116
25°	880
30°	795
35°	731
40°	766
45°	722
50°	687
55°	736
60°	714
65°	768
70°	757
75°	752
80°	753
85°	760

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 773 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.0	7.0
10°-20°	23.8	3.2
20°-30°	21.5	2.9
30°-40°	29.3	3.9
40°-50°	40.0	5.4
50°-60°	50.9	6.8
60°-70°	60.6	8.1
70°-80°	66.8	9.0
80°-90°	68.8	9.3
90°-100°	68.8	9.3
100°-110°	66.8	9.0
110°-120°	61.9	8.3
120°-130°	50.9	6.8
130°-140°	38.4	5.2
140°-150°	24.4	3.3
150°-160°	14.1	1.9
160°-170°	4.6	0.6
170°-180°	0.4	0.1
0°-30°	97.4	13.1
0°-40°	126.7	17.0
0°-60°	217.6	29.2
0°-90°	413.7	55.6
90°-120°	197.5	26.5
90°-150°	311.3	41.8
90°-180°	330.0	44.3
0°-180°	744.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1308	
5°	780	52
15°	75	24
25°	46	22
35°	46	29
45°	52	40
55°	57	51
65°	63	61
75°	63	67
85°	63	52
90°	63	35
95°	63	52
105°	63	67
115°	63	62
125°	57	51
135°	52	38
145°	40	24
155°	29	14
165°	17	5
175°	0	0
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1307.7
2.5°	1313.4
5°	780.0
7.5°	275.3
10°	189.3
12.5°	109.0
15°	74.6
17.5°	57.4
20°	51.6
22.5°	45.9
25°	45.9
27.5°	45.9
30°	45.9
32.5°	45.9
35°	45.9
37.5°	45.9
40°	51.6
42.5°	51.6
45°	51.6
47.5°	51.6
50°	51.6
52.5°	57.4
55°	57.4
57.5°	57.4
60°	57.4
62.5°	57.4
65°	63.1
67.5°	63.1
70°	63.1
72.5°	63.1
75°	63.1
77.5°	63.1
80°	63.1
82.5°	63.1
85°	63.1
87.5°	63.1
90°	63.1
92.5°	63.1
95°	63.1
97.5°	63.1
100°	63.1
102.5°	63.1
105°	63.1
107.5°	63.1
110°	63.1

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	63.1
115°	63.1
117.5°	63.1
120°	57.4
122.5°	57.4
125°	57.4
127.5°	57.4
130°	51.6
132.5°	51.6
135°	51.6
137.5°	45.9
140°	45.9
142.5°	40.1
145°	40.1
147.5°	34.4
150°	34.4
152.5°	34.4
155°	28.7
157.5°	28.7
160°	22.9
162.5°	17.2
165°	17.2
167.5°	11.5
170°	11.5
172.5°	5.7
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	6.3	7.3	7.2	8.3	9.4	6.3	7.3	7.2	8.3	9.4
	3H	9.5	10.4	10.4	11.3	12.5	9.5	10.4	10.4	11.3	12.5
	4H	10.9	11.8	11.8	12.7	13.9	10.9	11.8	11.8	12.7	13.9
	6H	12.3	13.1	13.2	14.1	15.3	12.3	13.1	13.2	14.1	15.3
	8H	12.9	13.8	13.9	14.7	15.9	12.9	13.8	13.9	14.7	15.9
	12H	13.6	14.4	14.5	15.3	16.6	13.6	14.4	14.5	15.3	16.6
4H	2H	7.2	8.1	8.1	9.0	10.2	7.2	8.1	8.1	9.0	10.2
	3H	10.4	11.2	11.3	12.2	13.4	10.4	11.2	11.3	12.2	13.4
	4H	12.0	12.7	12.9	13.7	14.9	12.0	12.7	12.9	13.7	14.9
	6H	13.5	14.2	14.5	15.2	16.4	13.5	14.2	14.5	15.2	16.4
	8H	14.3	14.9	15.2	15.9	17.2	14.3	14.9	15.2	15.9	17.2
	12H	15.1	15.6	16.0	16.6	17.9	15.1	15.6	16.0	16.6	17.9
8H	4H	12.5	13.1	13.4	14.1	15.4	12.5	13.1	13.4	14.1	15.4
	6H	14.3	14.8	15.2	15.8	17.1	14.3	14.8	15.2	15.8	17.1
	8H	15.2	15.6	16.1	16.6	17.9	15.2	15.6	16.1	16.6	17.9
	12H	16.1	16.5	17.1	17.5	18.8	16.1	16.5	17.1	17.5	18.8
12H	4H	12.6	13.2	13.6	14.2	15.4	12.6	13.2	13.6	14.2	15.4
	6H	14.4	14.9	15.4	15.9	17.2	14.4	14.9	15.4	15.9	17.2
	8H	15.4	15.8	16.4	16.8	18.2	15.4	15.8	16.4	16.8	18.2

(END OF REPORT)