

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: P1245106

Luminaire Tested: PRLX-NIM-L-940-09L-U-WO

Issue Date: 1/30/2026

**Test Information**

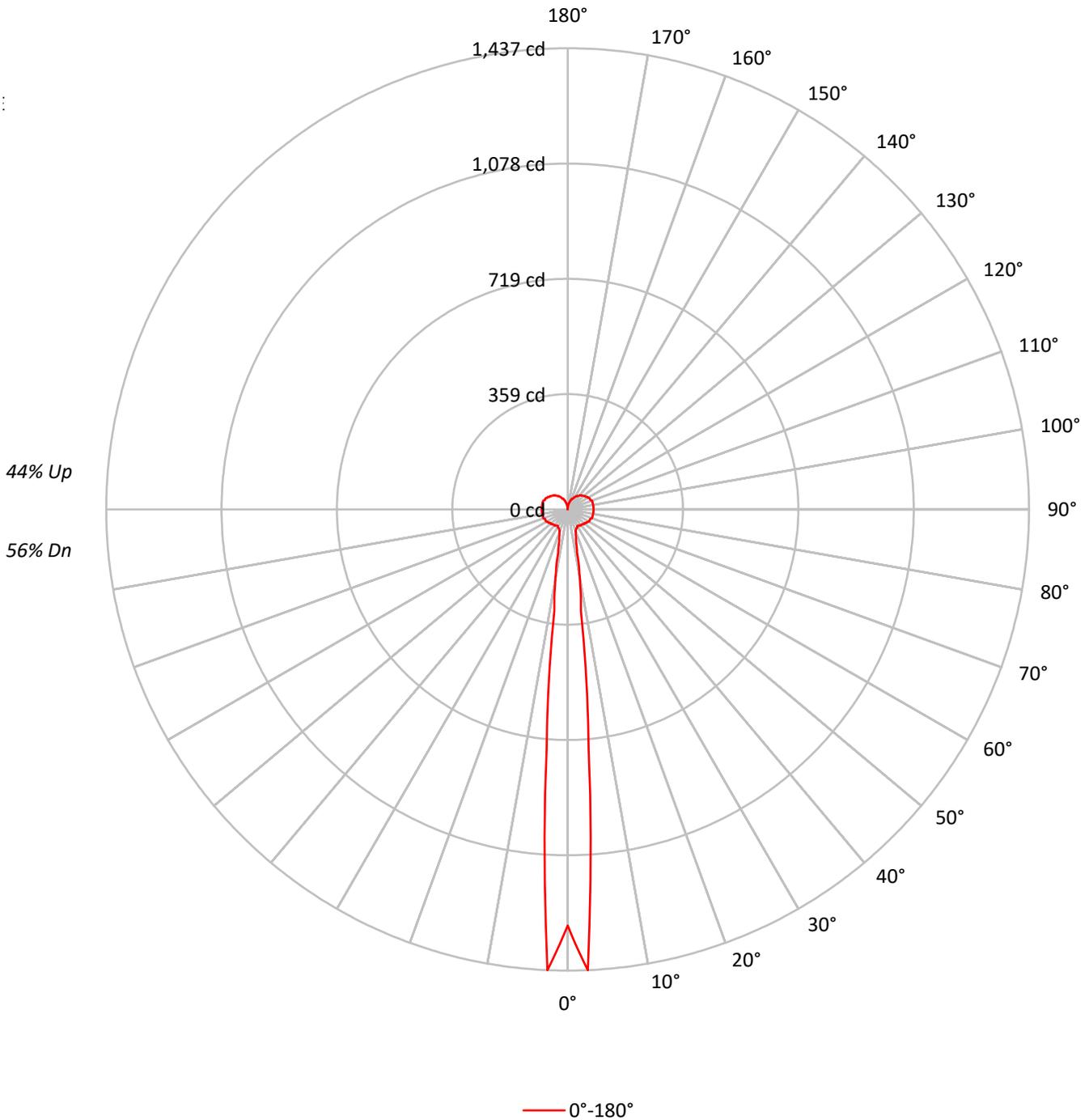
Test Method: LM-79-2019  
Report Number: P1245106  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-NIM-L-940-09L-U-WO  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, WOVEN OVAL SHADE TEXTURE LIGHT LEVEL 3  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 936.8 lumens  
Efficiency: N/A  
Efficacy: 41.5 lumens/watt  
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18  
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')  
CIE Type: General Diffuse  
  
Input Watts (W): 22.6  
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	87	82	77	73	70	66	62		58	55	53		48	45	43	38
2	85	76	68	61	78	70	63	57	59	54	49		49	45	42		40	37	34	30
3	77	66	57	50	71	61	53	47	52	45	40		43	38	34		35	31	28	24
4	71	58	49	42	65	54	46	40	46	39	34		38	33	29		31	27	24	20
5	65	52	43	36	60	48	40	34	41	35	30		34	29	25		28	24	21	18
6	60	47	38	32	55	44	36	30	37	31	26		31	26	22		26	22	19	16
7	56	43	34	28	51	40	32	27	34	28	23		29	24	20		24	20	17	15
8	52	39	31	25	48	36	29	24	32	25	21		27	22	18		23	19	16	13
9	49	36	28	23	45	34	27	22	29	23	19		25	20	17		21	17	15	12
10	46	33	26	21	43	31	25	20	27	22	18		24	19	16		20	16	14	12

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	41017
5°	18571
10°	4422
15°	1754
20°	1111
25°	888
30°	762
35°	707
40°	708
45°	672
50°	685
55°	702
60°	723
65°	712
70°	743
75°	742
80°	747
85°	758

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 775 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.0	5.9
10°-20°	31.2	3.3
20°-30°	30.4	3.2
30°-40°	39.0	4.2
40°-50°	51.1	5.5
50°-60°	64.2	6.9
60°-70°	76.4	8.2
70°-80°	85.2	9.1
80°-90°	87.8	9.4
90°-100°	87.8	9.4
100°-110°	85.2	9.1
110°-120°	76.0	8.1
120°-130°	62.4	6.7
130°-140°	47.6	5.1
140°-150°	32.0	3.4
150°-160°	17.6	1.9
160°-170°	7.1	0.8
170°-180°	0.9	0.1
0°-30°	116.6	12.4
0°-40°	155.5	16.6
0°-60°	270.8	28.9
0°-90°	520.2	55.5
90°-120°	249.0	26.6
90°-150°	391.0	41.7
90°-180°	417.0	44.5
0°-180°	936.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1296	
5°	753	55
15°	101	31
25°	64	30
35°	60	39
45°	64	51
55°	72	64
65°	76	76
75°	80	85
85°	80	66
90°	80	44
95°	80	66
105°	80	85
115°	76	76
125°	68	62
135°	60	48
145°	52	32
155°	36	18
165°	24	7
175°	4	1
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1296.5
2.5°	1437.4
5°	752.9
7.5°	318.1
10°	217.4
12.5°	136.9
15°	100.7
17.5°	84.6
20°	72.5
22.5°	68.4
25°	64.4
27.5°	64.4
30°	60.4
32.5°	60.4
35°	60.4
37.5°	64.4
40°	64.4
42.5°	64.4
45°	64.4
47.5°	68.4
50°	68.4
52.5°	68.4
55°	72.5
57.5°	72.5
60°	76.5
62.5°	76.5
65°	76.5
67.5°	76.5
70°	80.5
72.5°	80.5
75°	80.5
77.5°	80.5
80°	80.5
82.5°	80.5
85°	80.5
87.5°	80.5
90°	80.5
92.5°	80.5
95°	80.5
97.5°	80.5
100°	80.5
102.5°	80.5
105°	80.5
107.5°	80.5
110°	80.5

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	76.5
115°	76.5
117.5°	76.5
120°	72.5
122.5°	72.5
125°	68.4
127.5°	68.4
130°	64.4
132.5°	64.4
135°	60.4
137.5°	60.4
140°	56.4
142.5°	52.3
145°	52.3
147.5°	48.3
150°	44.3
152.5°	40.3
155°	36.2
157.5°	36.2
160°	32.2
162.5°	28.2
165°	24.2
167.5°	20.1
170°	16.1
172.5°	12.1
175°	4.0
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	6.2	7.3	7.1	8.2	9.4	6.2	7.3	7.1	8.2	9.4
	3H	9.3	10.2	10.2	11.2	12.4	9.3	10.2	10.2	11.2	12.4
	4H	10.8	11.7	11.7	12.6	13.8	10.8	11.7	11.7	12.6	13.8
	6H	12.2	13.1	13.1	14.0	15.2	12.2	13.1	13.1	14.0	15.2
	8H	12.9	13.7	13.8	14.7	15.9	12.9	13.7	13.8	14.7	15.9
	12H	13.6	14.3	14.5	15.3	16.5	13.6	14.3	14.5	15.3	16.5
4H	2H	7.0	7.9	7.9	8.9	10.1	7.0	7.9	7.9	8.9	10.1
	3H	10.3	11.1	11.2	12.0	13.3	10.3	11.1	11.2	12.0	13.3
	4H	11.9	12.6	12.8	13.6	14.8	11.9	12.6	12.8	13.6	14.8
	6H	13.5	14.2	14.4	15.1	16.4	13.5	14.2	14.4	15.1	16.4
	8H	14.3	14.9	15.2	15.9	17.1	14.3	14.9	15.2	15.9	17.1
	12H	15.0	15.6	16.0	16.6	17.9	15.0	15.6	16.0	16.6	17.9
8H	4H	12.4	13.0	13.4	14.0	15.3	12.4	13.0	13.4	14.0	15.3
	6H	14.2	14.8	15.2	15.8	17.0	14.2	14.8	15.2	15.8	17.0
	8H	15.1	15.6	16.1	16.6	17.9	15.1	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	12.5	13.1	13.5	14.1	15.4	12.5	13.1	13.5	14.1	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	18.1	15.4	15.8	16.4	16.8	18.1

(END OF REPORT)