

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: P1245110

Luminaire Tested: PRLX-NIM-L-940-12L-U-WO

Issue Date: 1/30/2026

**Test Information**

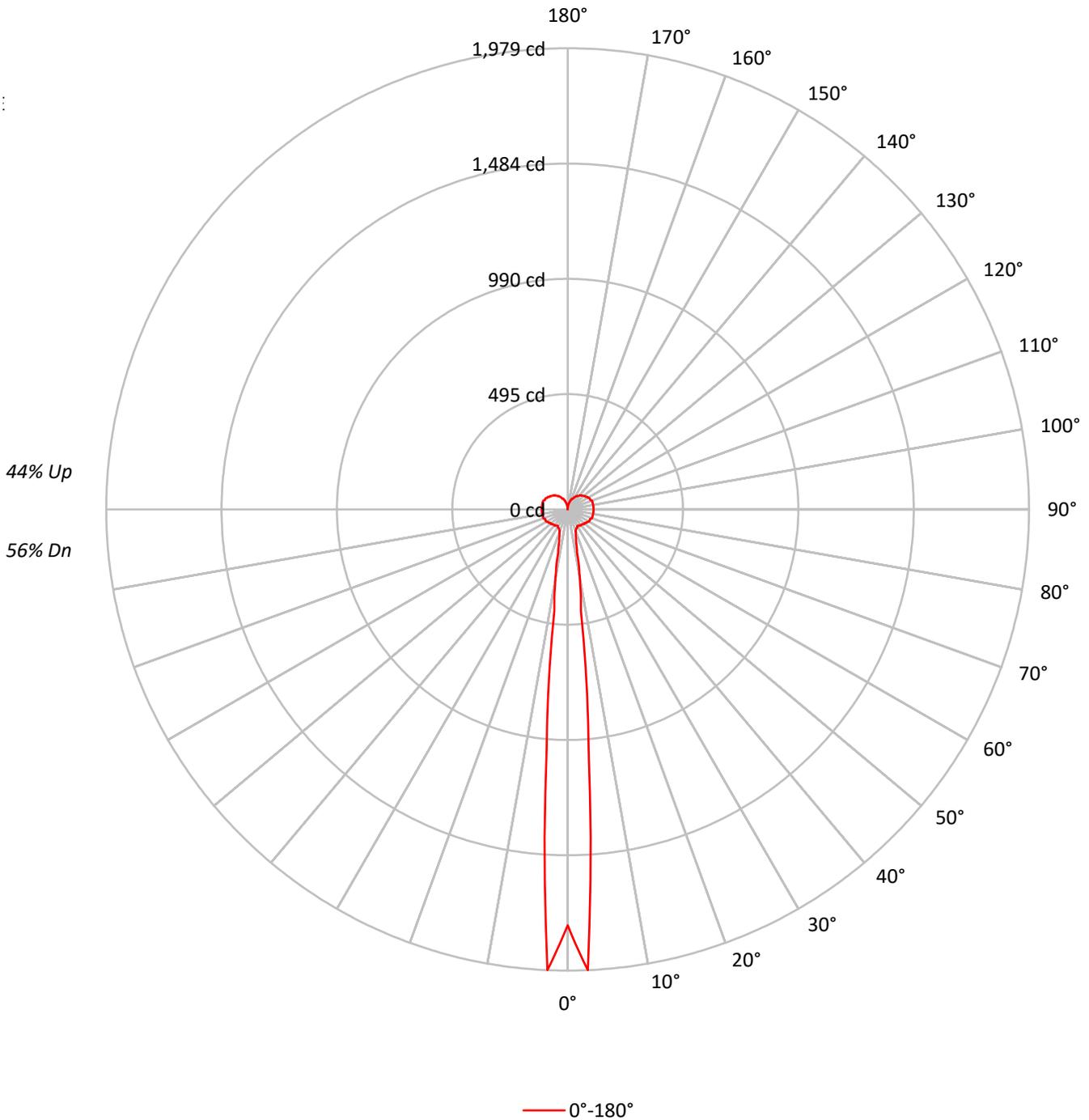
Test Method: LM-79-2019  
Report Number: P1245110  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-NIM-L-940-12L-U-WO  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, WOVEN OVAL SHADE TEXTURE  
LIGHT LEVEL 4  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1290.1 lumens  
Efficiency: N/A  
Efficacy: 42.3 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): 30.5  
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°	56468
5°	25569
10°	6088
15°	2414
20°	1530
25°	1223
30°	1048
35°	972
40°	975
45°	926
50°	943
55°	967
60°	996
65°	980
70°	1023
75°	1022
80°	1029
85°	1044

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 1068 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.7	5.9
10°-20°	43.0	3.3
20°-30°	41.8	3.2
30°-40°	53.6	4.2
40°-50°	70.4	5.5
50°-60°	88.4	6.8
60°-70°	105.2	8.2
70°-80°	117.3	9.1
80°-90°	121.0	9.4
90°-100°	121.0	9.4
100°-110°	117.3	9.1
110°-120°	104.6	8.1
120°-130°	85.9	6.7
130°-140°	65.6	5.1
140°-150°	44.2	3.4
150°-160°	24.2	1.9
160°-170°	9.7	0.8
170°-180°	1.2	0.1
0°-30°	160.5	12.4
0°-40°	214.1	16.6
0°-60°	372.8	28.9
0°-90°	716.4	55.5
90°-120°	342.9	26.6
90°-150°	538.5	41.7
90°-180°	574.0	44.5
0°-180°	1290.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1785	
5°	1037	76
15°	139	43
25°	89	42
35°	83	54
45°	89	70
55°	100	88
65°	105	105
75°	111	117
85°	111	91
90°	111	61
95°	111	91
105°	111	117
115°	105	105
125°	94	86
135°	83	66
145°	72	44
155°	50	24
165°	33	10
175°	6	1
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1784.9
2.5°	1979.0
5°	1036.6
7.5°	437.9
10°	299.3
12.5°	188.5
15°	138.6
17.5°	116.4
20°	99.8
22.5°	94.2
25°	88.7
27.5°	88.7
30°	83.1
32.5°	83.1
35°	83.1
37.5°	88.7
40°	88.7
42.5°	88.7
45°	88.7
47.5°	94.2
50°	94.2
52.5°	94.2
55°	99.8
57.5°	99.8
60°	105.3
62.5°	105.3
65°	105.3
67.5°	105.3
70°	110.9
72.5°	110.9
75°	110.9
77.5°	110.9
80°	110.9
82.5°	110.9
85°	110.9
87.5°	110.9
90°	110.9
92.5°	110.9
95°	110.9
97.5°	110.9
100°	110.9
102.5°	110.9
105°	110.9
107.5°	110.9
110°	110.9

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	105.3
115°	105.3
117.5°	105.3
120°	99.8
122.5°	99.8
125°	94.2
127.5°	94.2
130°	88.7
132.5°	88.7
135°	83.1
137.5°	83.1
140°	77.6
142.5°	72.1
145°	72.1
147.5°	66.5
150°	61.0
152.5°	55.4
155°	49.9
157.5°	49.9
160°	44.3
162.5°	38.8
165°	33.3
167.5°	27.7
170°	22.2
172.5°	16.6
175°	5.5
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	7.3	8.4	8.2	9.3	10.5	7.3	8.4	8.2	9.3	10.5
	3H	10.4	11.3	11.3	12.3	13.5	10.4	11.3	11.3	12.3	13.5
	4H	11.9	12.8	12.8	13.7	14.9	11.9	12.8	12.8	13.7	14.9
	6H	13.3	14.2	14.2	15.1	16.3	13.3	14.2	14.2	15.1	16.3
	8H	14.0	14.8	14.9	15.8	17.0	14.0	14.8	14.9	15.8	17.0
	12H	14.7	15.5	15.6	16.4	17.7	14.7	15.5	15.6	16.4	17.7
4H	2H	8.1	9.0	9.0	10.0	11.2	8.1	9.0	9.0	10.0	11.2
	3H	11.4	12.2	12.3	13.1	14.4	11.4	12.2	12.3	13.1	14.4
	4H	13.0	13.8	13.9	14.7	16.0	13.0	13.8	13.9	14.7	16.0
	6H	14.6	15.3	15.5	16.2	17.5	14.6	15.3	15.5	16.2	17.5
	8H	15.4	16.0	16.3	17.0	18.2	15.4	16.0	16.3	17.0	18.2
	12H	16.1	16.7	17.1	17.7	19.0	16.1	16.7	17.1	17.7	19.0
8H	4H	13.5	14.2	14.5	15.1	16.4	13.5	14.2	14.5	15.1	16.4
	6H	15.3	15.9	16.3	16.9	18.1	15.3	15.9	16.3	16.9	18.1
	8H	16.2	16.7	17.2	17.7	19.0	16.2	16.7	17.2	17.7	19.0
	12H	17.2	17.6	18.2	18.6	19.9	17.2	17.6	18.2	18.6	19.9
12H	4H	13.6	14.2	14.6	15.2	16.5	13.6	14.2	14.6	15.2	16.5
	6H	15.5	16.0	16.5	17.0	18.3	15.5	16.0	16.5	17.0	18.3
	8H	16.5	16.9	17.5	17.9	19.3	16.5	16.9	17.5	17.9	19.3

(END OF REPORT)