

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: P1245118

Luminaire Tested: PRLX-NIM-L-940-20L-U-WO

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245118  
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-940-20L-U-WO  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, WOVEN OVAL SHADE TEXTURE LIGHT LEVEL 6  
Light Source: -  
Ballast/Driver: -

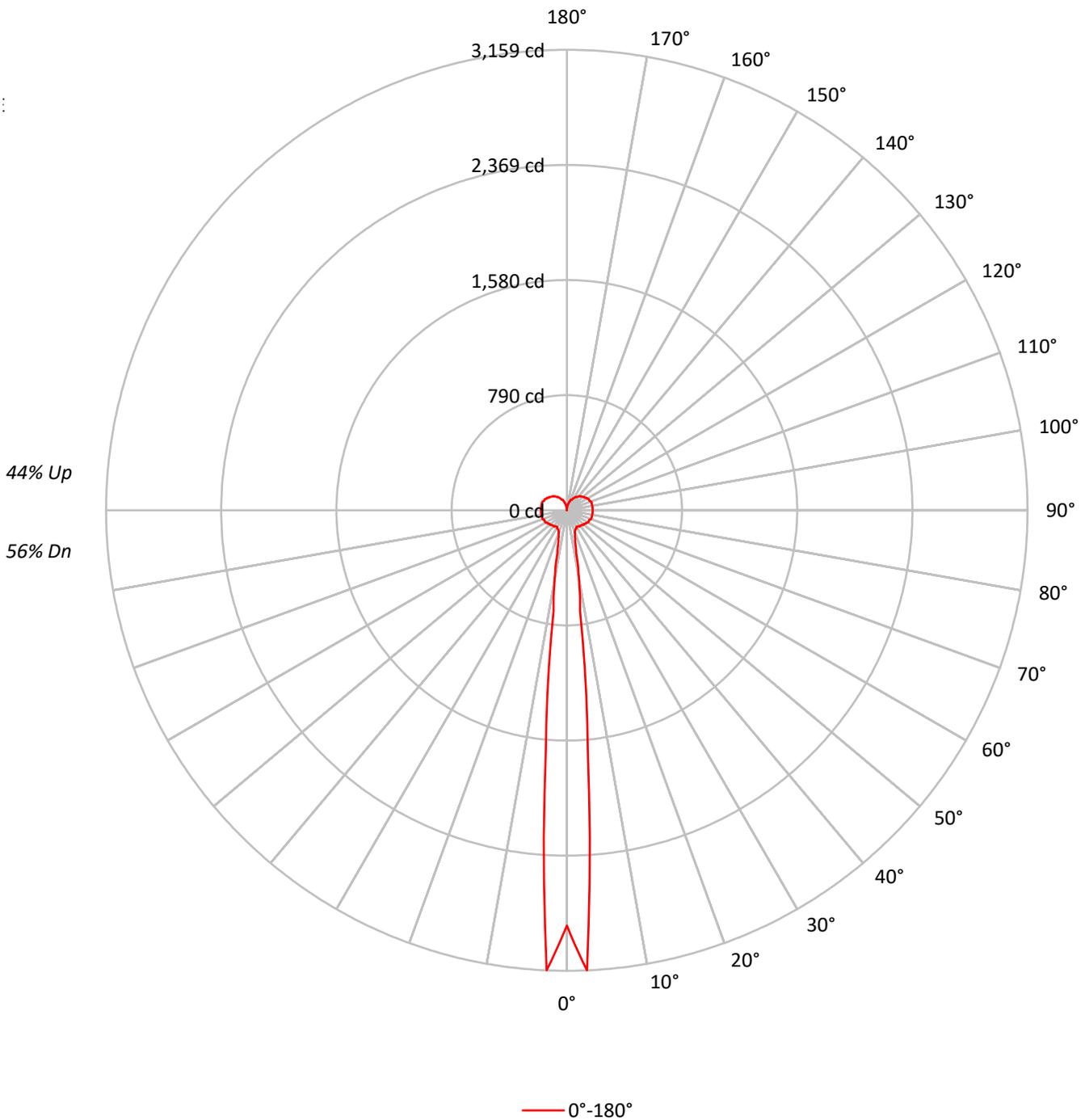
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2059.2 lumens  
Efficiency: N/A  
Efficacy: 42.4 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): 48.6  
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	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°	90132
5°	40810
10°	9718
15°	3853
20°	2442
25°	1952
30°	1673
35°	1553
40°	1556
45°	1478
50°	1506
55°	1543
60°	1590
65°	1564
70°	1633
75°	1631
80°	1642
85°	1666

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 1704 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.8	5.9
10°-20°	68.6	3.3
20°-30°	66.8	3.2
30°-40°	85.6	4.2
40°-50°	112.3	5.5
50°-60°	141.1	6.9
60°-70°	168.0	8.2
70°-80°	187.3	9.1
80°-90°	193.1	9.4
90°-100°	193.1	9.4
100°-110°	187.3	9.1
110°-120°	166.9	8.1
120°-130°	137.1	6.7
130°-140°	104.7	5.1
140°-150°	70.5	3.4
150°-160°	38.7	1.9
160°-170°	15.6	0.8
170°-180°	1.9	0.1
0°-30°	256.2	12.4
0°-40°	341.8	16.6
0°-60°	595.2	28.9
0°-90°	1143.6	55.5
90°-120°	547.3	26.6
90°-150°	859.5	41.7
90°-180°	916.0	44.5
0°-180°	2059.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2849	
5°	1654	121
15°	221	69
25°	142	67
35°	133	86
45°	142	112
55°	159	141
65°	168	168
75°	177	187
85°	177	145
90°	177	97
95°	177	145
105°	177	187
115°	168	167
125°	150	137
135°	133	105
145°	115	70
155°	80	39
165°	53	16
175°	9	2
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2849.0
2.5°	3158.7
5°	1654.5
7.5°	699.0
10°	477.8
12.5°	300.8
15°	221.2
17.5°	185.8
20°	159.3
22.5°	150.4
25°	141.6
27.5°	141.6
30°	132.7
32.5°	132.7
35°	132.7
37.5°	141.6
40°	141.6
42.5°	141.6
45°	141.6
47.5°	150.4
50°	150.4
52.5°	150.4
55°	159.3
57.5°	159.3
60°	168.1
62.5°	168.1
65°	168.1
67.5°	168.1
70°	177.0
72.5°	177.0
75°	177.0
77.5°	177.0
80°	177.0
82.5°	177.0
85°	177.0
87.5°	177.0
90°	177.0
92.5°	177.0
95°	177.0
97.5°	177.0
100°	177.0
102.5°	177.0
105°	177.0
107.5°	177.0
110°	177.0

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	168.1
115°	168.1
117.5°	168.1
120°	159.3
122.5°	159.3
125°	150.4
127.5°	150.4
130°	141.6
132.5°	141.6
135°	132.7
137.5°	132.7
140°	123.9
142.5°	115.0
145°	115.0
147.5°	106.2
150°	97.3
152.5°	88.5
155°	79.6
157.5°	79.6
160°	70.8
162.5°	61.9
165°	53.1
167.5°	44.2
170°	35.4
172.5°	26.5
175°	8.8
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	9.0	10.0	9.8	10.9	12.1	9.0	10.0	9.8	10.9	12.1
	3H	12.0	13.0	12.9	13.9	15.1	12.0	13.0	12.9	13.9	15.1
	4H	13.5	14.4	14.4	15.4	16.6	13.5	14.4	14.4	15.4	16.6
	6H	15.0	15.8	15.9	16.7	18.0	15.0	15.8	15.9	16.7	18.0
	8H	15.6	16.4	16.6	17.4	18.6	15.6	16.4	16.6	17.4	18.6
	12H	16.3	17.1	17.2	18.0	19.3	16.3	17.1	17.2	18.0	19.3
4H	2H	9.8	10.7	10.7	11.6	12.8	9.8	10.7	10.7	11.6	12.8
	3H	13.0	13.8	13.9	14.8	16.0	13.0	13.8	13.9	14.8	16.0
	4H	14.6	15.4	15.6	16.3	17.6	14.6	15.4	15.6	16.3	17.6
	6H	16.2	16.9	17.2	17.9	19.1	16.2	16.9	17.2	17.9	19.1
	8H	17.0	17.6	17.9	18.6	19.9	17.0	17.6	17.9	18.6	19.9
	12H	17.8	18.3	18.7	19.3	20.6	17.8	18.3	18.7	19.3	20.6
8H	4H	15.2	15.8	16.1	16.8	18.0	15.2	15.8	16.1	16.8	18.0
	6H	17.0	17.5	17.9	18.5	19.8	17.0	17.5	17.9	18.5	19.8
	8H	17.9	18.4	18.8	19.4	20.6	17.9	18.4	18.8	19.4	20.6
	12H	18.8	19.2	19.8	20.2	21.6	18.8	19.2	19.8	20.2	21.6
12H	4H	15.3	15.8	16.2	16.8	18.1	15.3	15.8	16.2	16.8	18.1
	6H	17.1	17.6	18.1	18.6	19.9	17.1	17.6	18.1	18.6	19.9
	8H	18.1	18.6	19.1	19.6	20.9	18.1	18.6	19.1	19.6	20.9

(END OF REPORT)