

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: P1245006

Luminaire Tested: PRLX-NIM-L-927-05L-U-WO

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245006  
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-927-05L-U-WO  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, WOVEN OVAL SHADE TEXTURE LIGHT LEVEL 2  
Light Source: -  
Ballast/Driver: -

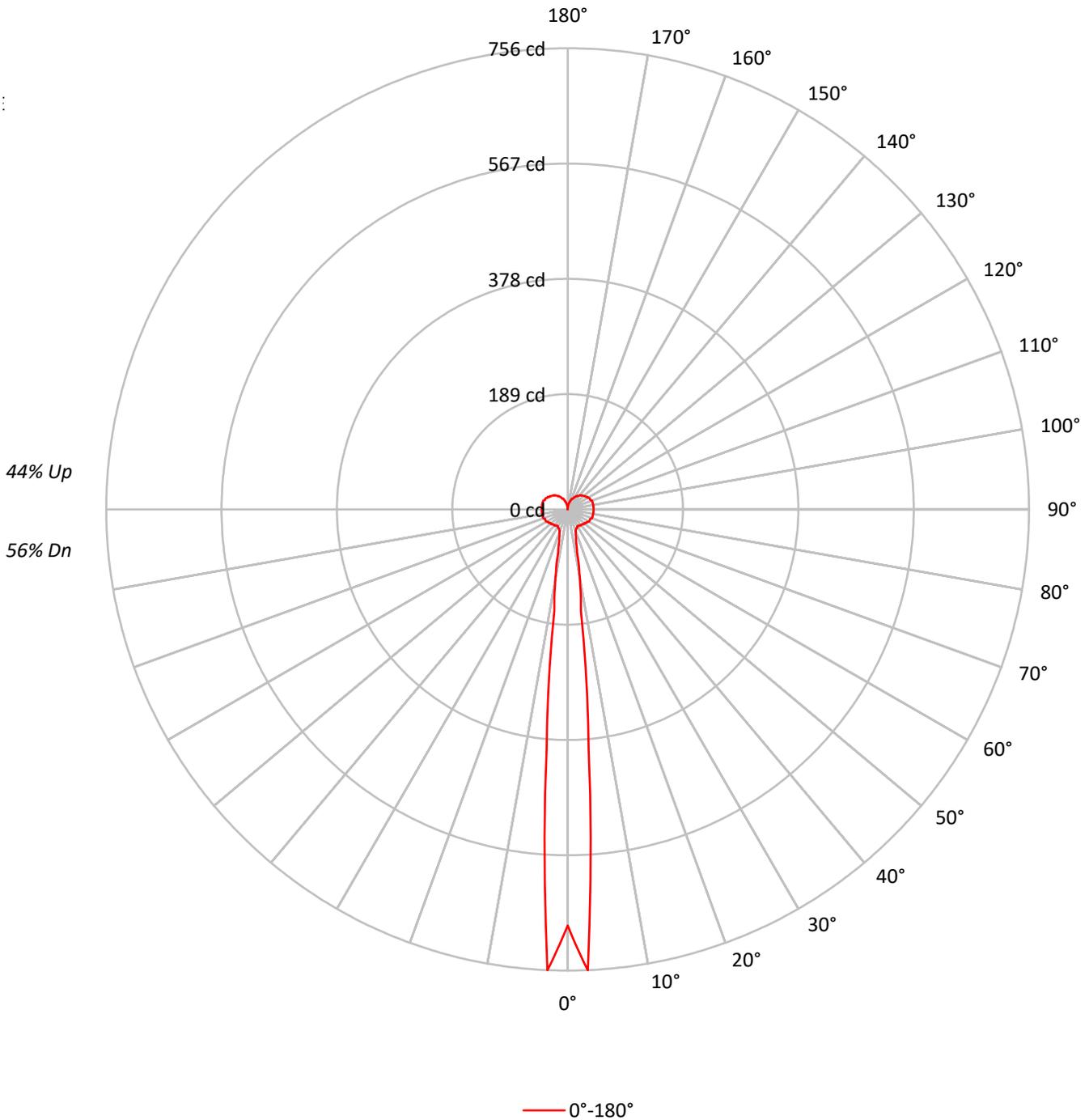
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 493.2 lumens  
Efficiency: N/A  
Efficacy: 33.3 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): 14.8  
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°	21582
5°	9773
10°	2327
15°	923
20°	584
25°	467
30°	401
35°	372
40°	373
45°	354
50°	360
55°	369
60°	381
65°	375
70°	391
75°	391
80°	393
85°	399

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 408 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.9	5.9
10°-20°	16.4	3.3
20°-30°	16.0	3.2
30°-40°	20.5	4.2
40°-50°	26.9	5.5
50°-60°	33.8	6.8
60°-70°	40.3	8.2
70°-80°	44.9	9.1
80°-90°	46.3	9.4
90°-100°	46.3	9.4
100°-110°	44.9	9.1
110°-120°	40.0	8.1
120°-130°	32.8	6.7
130°-140°	25.1	5.1
140°-150°	16.9	3.4
150°-160°	9.3	1.9
160°-170°	3.7	0.8
170°-180°	0.5	0.1
0°-30°	61.3	12.4
0°-40°	81.8	16.6
0°-60°	142.5	28.9
0°-90°	273.9	55.5
90°-120°	131.1	26.6
90°-150°	205.9	41.7
90°-180°	219.0	44.4
0°-180°	493.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	682	
5°	396	29
15°	53	16
25°	34	16
35°	32	21
45°	34	27
55°	38	34
65°	40	40
75°	42	45
85°	42	35
90°	42	23
95°	42	35
105°	42	45
115°	40	40
125°	36	33
135°	32	25
145°	28	17
155°	19	9
165°	13	4
175°	2	0
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	682.2
2.5°	756.3
5°	396.2
7.5°	167.4
10°	114.4
12.5°	72.0
15°	53.0
17.5°	44.5
20°	38.1
22.5°	36.0
25°	33.9
27.5°	33.9
30°	31.8
32.5°	31.8
35°	31.8
37.5°	33.9
40°	33.9
42.5°	33.9
45°	33.9
47.5°	36.0
50°	36.0
52.5°	36.0
55°	38.1
57.5°	38.1
60°	40.3
62.5°	40.3
65°	40.3
67.5°	40.3
70°	42.4
72.5°	42.4
75°	42.4
77.5°	42.4
80°	42.4
82.5°	42.4
85°	42.4
87.5°	42.4
90°	42.4
92.5°	42.4
95°	42.4
97.5°	42.4
100°	42.4
102.5°	42.4
105°	42.4
107.5°	42.4
110°	42.4



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	40.3
115°	40.3
117.5°	40.3
120°	38.1
122.5°	38.1
125°	36.0
127.5°	36.0
130°	33.9
132.5°	33.9
135°	31.8
137.5°	31.8
140°	29.7
142.5°	27.5
145°	27.5
147.5°	25.4
150°	23.3
152.5°	21.2
155°	19.1
157.5°	19.1
160°	16.9
162.5°	14.8
165°	12.7
167.5°	10.6
170°	8.5
172.5°	6.4
175°	2.1
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	4.0	5.0	4.9	5.9	7.1	4.0	5.0	4.9	5.9	7.1
	3H	7.1	8.0	8.0	8.9	10.1	7.1	8.0	8.0	8.9	10.1
	4H	8.5	9.5	9.5	10.4	11.6	8.5	9.5	9.5	10.4	11.6
	6H	10.0	10.8	10.9	11.8	13.0	10.0	10.8	10.9	11.8	13.0
	8H	10.7	11.5	11.6	12.4	13.7	10.7	11.5	11.6	12.4	13.7
	12H	11.3	12.1	12.3	13.1	14.3	11.3	12.1	12.3	13.1	14.3
4H	2H	4.8	5.7	5.7	6.6	7.8	4.8	5.7	5.7	6.6	7.8
	3H	8.0	8.8	9.0	9.8	11.0	8.0	8.8	9.0	9.8	11.0
	4H	9.7	10.4	10.6	11.4	12.6	9.7	10.4	10.6	11.4	12.6
	6H	11.3	11.9	12.2	12.9	14.1	11.3	11.9	12.2	12.9	14.1
	8H	12.0	12.7	13.0	13.6	14.9	12.0	12.7	13.0	13.6	14.9
	12H	12.8	13.4	13.8	14.4	15.6	12.8	13.4	13.8	14.4	15.6
8H	4H	10.2	10.8	11.1	11.8	13.1	10.2	10.8	11.1	11.8	13.1
	6H	12.0	12.5	13.0	13.5	14.8	12.0	12.5	13.0	13.5	14.8
	8H	12.9	13.4	13.9	14.4	15.7	12.9	13.4	13.9	14.4	15.7
	12H	13.8	14.3	14.8	15.3	16.6	13.8	14.3	14.8	15.3	16.6
12H	4H	10.3	10.9	11.3	11.9	13.1	10.3	10.9	11.3	11.9	13.1
	6H	12.2	12.7	13.2	13.7	15.0	12.2	12.7	13.2	13.7	15.0
	8H	13.2	13.6	14.2	14.6	15.9	13.2	13.6	14.2	14.6	15.9

(END OF REPORT)