

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: P1244805

Luminaire Tested: PRLX-MIN-L-927-27L-U-OW

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1244805  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-MIN-L-927-27L-U-OW  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 8  
Light Source: -  
Ballast/Driver: -

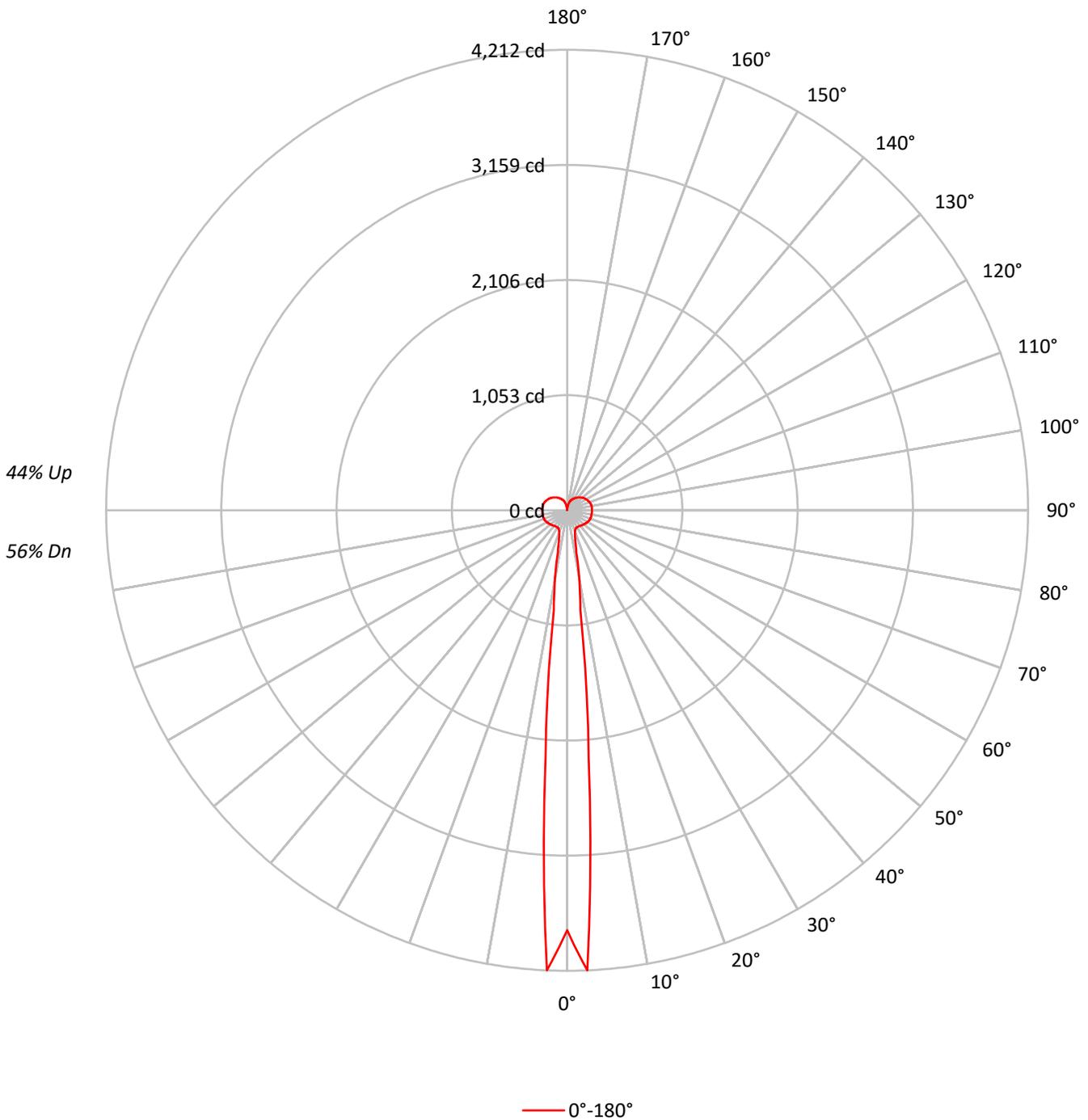
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2648.9 lumens  
Efficiency: N/A  
Efficacy: 38.2 lumens/watt  
Spacing Criteria (0/90/45): 0.2 / 0.2 / 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): 69.4  
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	109	109	109	109	101	101	101	101	87	87	87		74	74	74		62	62	62	56
1	95	89	83	78	88	82	77	73	70	66	63		59	56	53		48	46	44	39
2	85	76	68	62	79	70	63	58	60	54	50		50	46	42		41	38	35	30
3	77	66	57	50	71	61	53	47	52	46	41		43	39	35		36	32	29	25
4	71	58	49	42	65	54	46	40	46	40	35		39	34	30		32	28	25	21
5	65	52	43	37	60	48	40	34	41	35	30		35	30	26		29	25	22	18
6	60	47	38	32	55	44	36	30	38	31	26		32	27	23		27	22	19	16
7	56	43	34	28	52	40	32	27	35	28	24		29	24	21		25	21	18	15
8	52	39	31	25	48	37	29	24	32	26	21		27	22	19		23	19	16	14
9	49	36	28	23	45	34	27	22	30	24	20		26	21	17		22	18	15	13
10	46	34	26	21	43	32	25	20	28	22	18		24	19	16		21	17	14	12

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

	0°
0°	121474
5°	55706
10°	12985
15°	4957
20°	3201
25°	2549
30°	2265
35°	2117
40°	2047
45°	2014
50°	1997
55°	2010
60°	2024
65°	2054
70°	2074
75°	2096
80°	2098
85°	2141

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 2189 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	162.0	6.1
10°-20°	89.2	3.4
20°-30°	86.9	3.3
30°-40°	114.0	4.3
40°-50°	149.5	5.6
50°-60°	186.1	7.0
60°-70°	218.9	8.3
70°-80°	239.4	9.0
80°-90°	247.6	9.3
90°-100°	247.9	9.4
100°-110°	235.7	8.9
110°-120°	208.5	7.9
120°-130°	171.7	6.5
130°-140°	129.6	4.9
140°-150°	87.6	3.3
150°-160°	51.3	1.9
160°-170°	21.1	0.8
170°-180°	2.1	0.1
0°-30°	338.0	12.8
0°-40°	452.0	17.1
0°-60°	787.7	29.7
0°-90°	1493.5	56.4
90°-120°	692.2	26.1
90°-150°	1081.0	40.8
90°-180°	1155.0	43.6
0°-180°	2648.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3840	
5°	2258	162
15°	285	89
25°	185	87
35°	181	114
45°	193	150
55°	208	186
65°	221	219
75°	227	239
85°	227	185
90°	227	125
95°	227	186
105°	223	236
115°	210	209
125°	192	172
135°	168	130
145°	138	88
155°	110	51
165°	74	21
175°	11	2
180°	1	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3839.7
2.5°	4212.2
5°	2258.4
7.5°	919.0
10°	638.4
12.5°	391.0
15°	284.6
17.5°	236.7
20°	208.8
22.5°	194.2
25°	184.9
27.5°	180.9
30°	179.6
32.5°	179.6
35°	180.9
37.5°	182.2
40°	186.2
42.5°	188.9
45°	192.9
47.5°	196.8
50°	199.5
52.5°	203.5
55°	207.5
57.5°	211.5
60°	214.1
62.5°	218.1
65°	220.8
67.5°	223.4
70°	224.8
72.5°	226.1
75°	227.4
77.5°	226.1
80°	226.1
82.5°	226.1
85°	227.4
87.5°	227.4
90°	227.4
92.5°	227.4
95°	227.4
97.5°	227.4
100°	226.1
102.5°	224.8
105°	223.4
107.5°	220.8
110°	218.1

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	214.1
115°	210.1
117.5°	206.2
120°	200.8
122.5°	196.8
125°	191.5
127.5°	186.2
130°	179.6
132.5°	174.2
135°	167.6
137.5°	159.6
140°	153.0
142.5°	146.3
145°	138.3
147.5°	131.7
150°	125.0
152.5°	117.0
155°	110.4
157.5°	102.4
160°	94.4
162.5°	85.1
165°	74.5
167.5°	59.9
170°	41.2
172.5°	25.3
175°	10.6
177.5°	2.7
180°	1.3



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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	10.1	11.1	10.9	12.0	13.2	10.1	11.1	10.9	12.0	13.2
	3H	13.1	14.0	13.9	14.9	16.1	13.1	14.0	13.9	14.9	16.1
	4H	14.5	15.4	15.4	16.3	17.5	14.5	15.4	15.4	16.3	17.5
	6H	15.9	16.7	16.8	17.7	18.9	15.9	16.7	16.8	17.7	18.9
	8H	16.5	17.4	17.5	18.3	19.5	16.5	17.4	17.5	18.3	19.5
	12H	17.2	18.0	18.1	18.9	20.2	17.2	18.0	18.1	18.9	20.2
4H	2H	10.8	11.7	11.7	12.7	13.9	10.8	11.7	11.7	12.7	13.9
	3H	14.0	14.8	14.9	15.8	17.0	14.0	14.8	14.9	15.8	17.0
	4H	15.6	16.3	16.5	17.3	18.5	15.6	16.3	16.5	17.3	18.5
	6H	17.1	17.8	18.1	18.8	20.0	17.1	17.8	18.1	18.8	20.0
	8H	17.9	18.5	18.8	19.5	20.7	17.9	18.5	18.8	19.5	20.7
	12H	18.7	19.2	19.6	20.2	21.5	18.7	19.2	19.6	20.2	21.5
8H	4H	16.1	16.7	17.0	17.7	18.9	16.1	16.7	17.0	17.7	18.9
	6H	17.9	18.4	18.8	19.4	20.6	17.9	18.4	18.8	19.4	20.6
	8H	18.8	19.2	19.7	20.2	21.5	18.8	19.2	19.7	20.2	21.5
	12H	19.7	20.1	20.7	21.1	22.4	19.7	20.1	20.7	21.1	22.4
12H	4H	16.2	16.8	17.2	17.8	19.0	16.2	16.8	17.2	17.8	19.0
	6H	18.0	18.5	19.0	19.5	20.8	18.0	18.5	19.0	19.5	20.8
	8H	19.0	19.5	20.0	20.4	21.8	19.0	19.5	20.0	20.4	21.8

(END OF REPORT)