

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: P1244853

Luminaire Tested: PRLX-MIN-L-935-27L-U-OW

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1244853  
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-935-27L-U-OW  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE  
LIGHT LEVEL 8  
Light Source: -  
Ballast/Driver: -

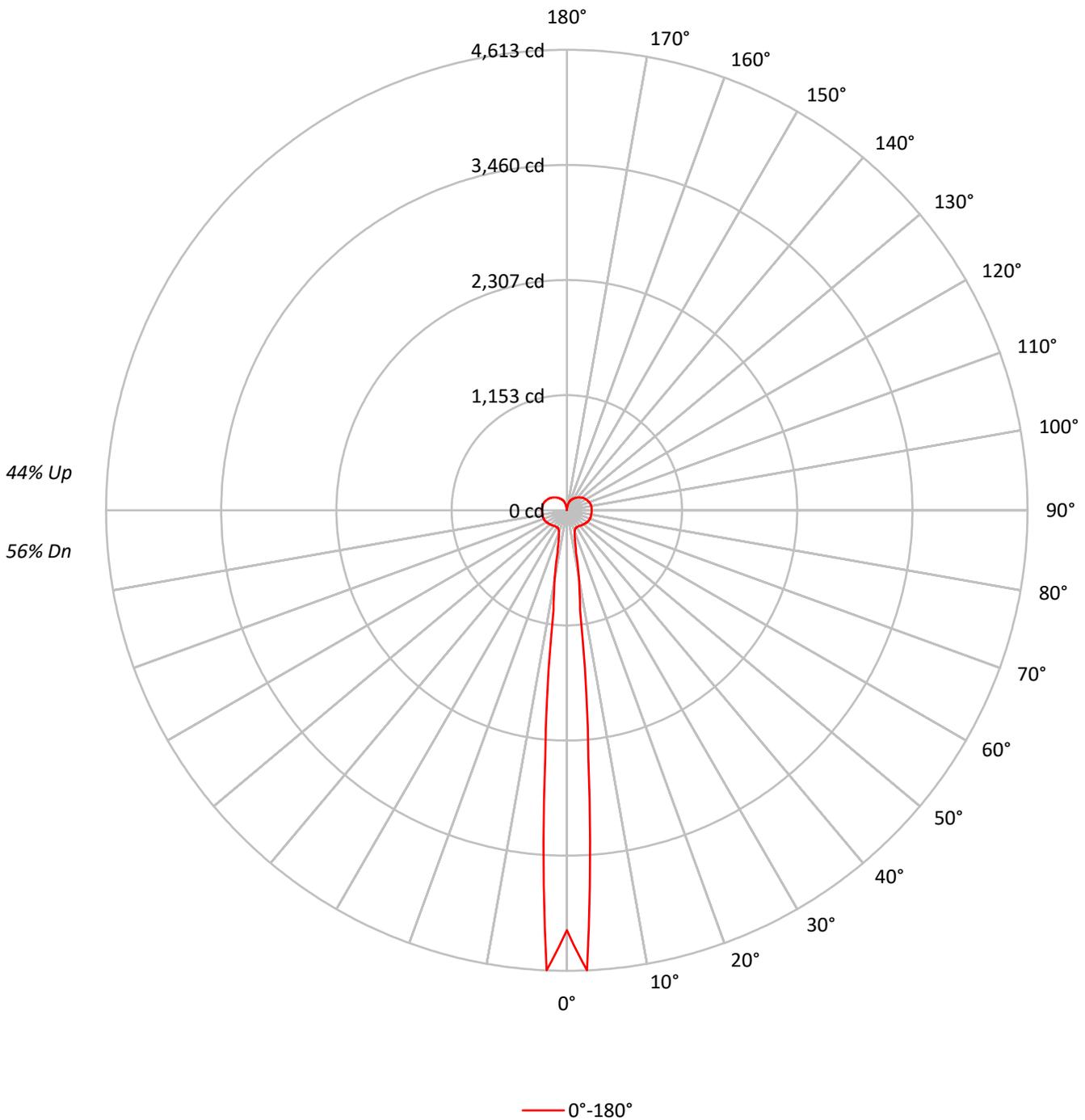
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2901.1 lumens  
Efficiency: N/A  
Efficacy: 41.8 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	36	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°	133031
5°	61004
10°	14219
15°	5429
20°	3506
25°	2791
30°	2479
35°	2318
40°	2241
45°	2205
50°	2188
55°	2201
60°	2217
65°	2249
70°	2271
75°	2296
80°	2297
85°	2345

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 2398 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	177.4	6.1
10°-20°	97.7	3.4
20°-30°	95.2	3.3
30°-40°	124.8	4.3
40°-50°	163.7	5.6
50°-60°	203.8	7.0
60°-70°	239.7	8.3
70°-80°	262.2	9.0
80°-90°	271.2	9.3
90°-100°	271.6	9.4
100°-110°	258.2	8.9
110°-120°	228.4	7.9
120°-130°	188.0	6.5
130°-140°	141.9	4.9
140°-150°	95.9	3.3
150°-160°	56.2	1.9
160°-170°	23.1	0.8
170°-180°	2.3	0.1
0°-30°	370.2	12.8
0°-40°	495.0	17.1
0°-60°	862.6	29.7
0°-90°	1635.7	56.4
90°-120°	758.1	26.1
90°-150°	1183.9	40.8
90°-180°	1265.0	43.6
0°-180°	2901.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4205	
5°	2473	177
15°	312	98
25°	202	95
35°	198	125
45°	211	164
55°	227	204
65°	242	240
75°	249	262
85°	249	203
90°	249	137
95°	249	203
105°	245	258
115°	230	228
125°	210	188
135°	184	142
145°	152	96
155°	121	56
165°	82	23
175°	12	2
180°	2	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4205.0
2.5°	4612.9
5°	2473.2
7.5°	1006.5
10°	699.1
12.5°	428.2
15°	311.7
17.5°	259.3
20°	228.7
22.5°	212.7
25°	202.5
27.5°	198.1
30°	196.6
32.5°	196.6
35°	198.1
37.5°	199.5
40°	203.9
42.5°	206.8
45°	211.2
47.5°	215.6
50°	218.5
52.5°	222.9
55°	227.2
57.5°	231.6
60°	234.5
62.5°	238.9
65°	241.8
67.5°	244.7
70°	246.2
72.5°	247.6
75°	249.1
77.5°	247.6
80°	247.6
82.5°	247.6
85°	249.1
87.5°	249.1
90°	249.1
92.5°	249.1
95°	249.1
97.5°	249.1
100°	247.6
102.5°	246.2
105°	244.7
107.5°	241.8
110°	238.9

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	234.5
115°	230.1
117.5°	225.8
120°	219.9
122.5°	215.6
125°	209.7
127.5°	203.9
130°	196.6
132.5°	190.8
135°	183.5
137.5°	174.8
140°	167.5
142.5°	160.2
145°	151.5
147.5°	144.2
150°	136.9
152.5°	128.2
155°	120.9
157.5°	112.2
160°	103.4
162.5°	93.2
165°	81.6
167.5°	65.5
170°	45.2
172.5°	27.7
175°	11.7
177.5°	2.9
180°	1.5



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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	10.4	11.4	11.2	12.3	13.5	10.4	11.4	11.2	12.3	13.5
	3H	13.4	14.3	14.3	15.2	16.4	13.4	14.3	14.3	15.2	16.4
	4H	14.8	15.7	15.7	16.6	17.8	14.8	15.7	15.7	16.6	17.8
	6H	16.2	17.1	17.1	18.0	19.2	16.2	17.1	17.1	18.0	19.2
	8H	16.9	17.7	17.8	18.6	19.8	16.9	17.7	17.8	18.6	19.8
	12H	17.5	18.3	18.4	19.3	20.5	17.5	18.3	18.4	19.3	20.5
4H	2H	11.1	12.1	12.0	13.0	14.2	11.1	12.1	12.0	13.0	14.2
	3H	14.3	15.1	15.2	16.1	17.3	14.3	15.1	15.2	16.1	17.3
	4H	15.9	16.6	16.8	17.6	18.8	15.9	16.6	16.8	17.6	18.8
	6H	17.5	18.1	18.4	19.1	20.3	17.5	18.1	18.4	19.1	20.3
	8H	18.2	18.8	19.2	19.8	21.1	18.2	18.8	19.2	19.8	21.1
	12H	19.0	19.6	19.9	20.5	21.8	19.0	19.6	19.9	20.5	21.8
8H	4H	16.4	17.0	17.3	18.0	19.3	16.4	17.0	17.3	18.0	19.3
	6H	18.2	18.7	19.1	19.7	21.0	18.2	18.7	19.1	19.7	21.0
	8H	19.1	19.6	20.0	20.6	21.8	19.1	19.6	20.0	20.6	21.8
	12H	20.0	20.4	21.0	21.4	22.7	20.0	20.4	21.0	21.4	22.7
12H	4H	16.5	17.1	17.5	18.1	19.3	16.5	17.1	17.5	18.1	19.3
	6H	18.4	18.8	19.3	19.8	21.1	18.4	18.8	19.3	19.8	21.1
	8H	19.3	19.8	20.3	20.8	22.1	19.3	19.8	20.3	20.8	22.1

(END OF REPORT)