

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: P1245397

Luminaire Tested: PRLX-UNA-M-927-07L-U-PS

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245397  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-UNA-M-927-07L-U-PS  
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 5  
Light Source: -  
Ballast/Driver: -

**Summary**

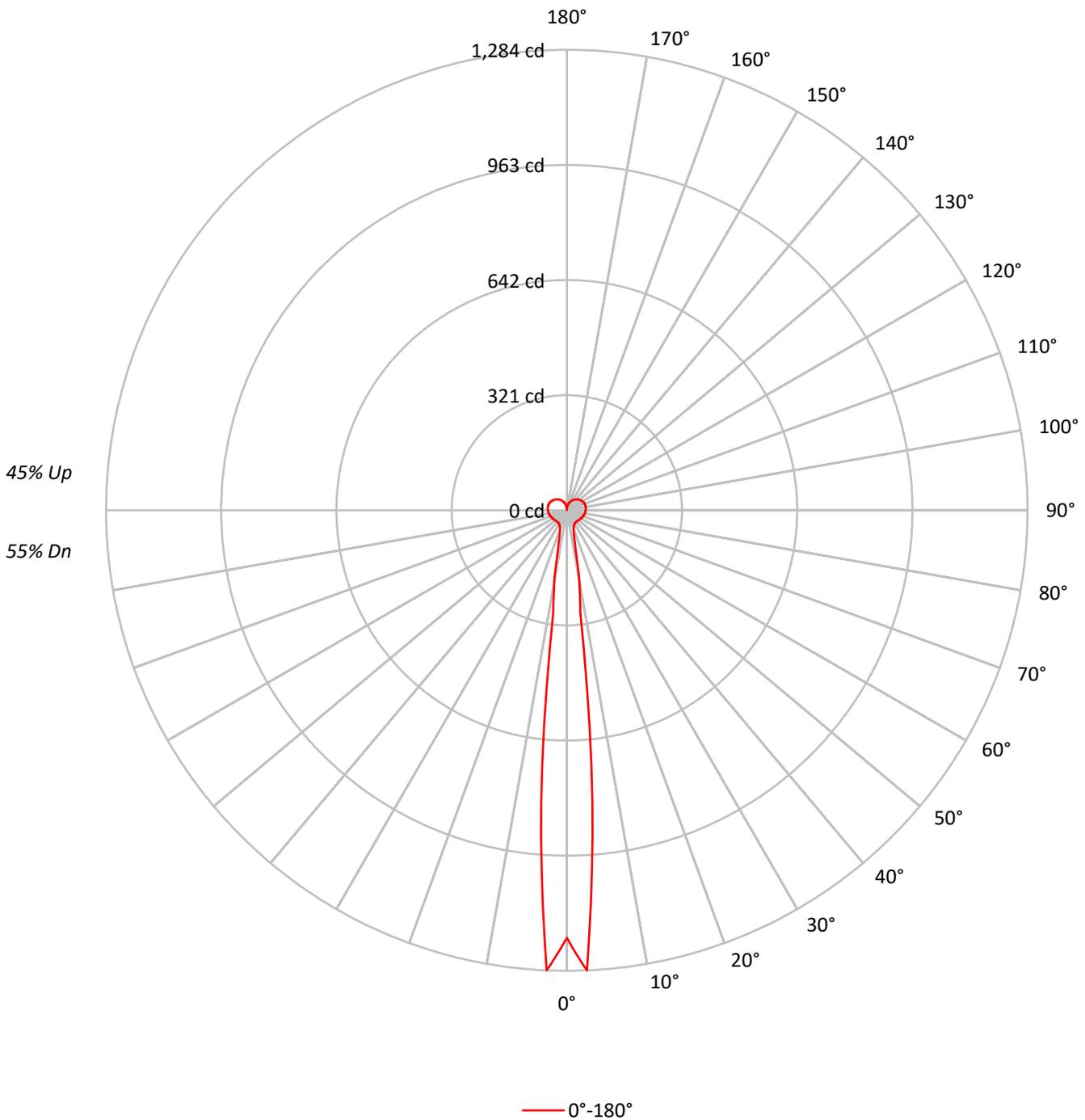
Lumens per Lamp: N/A  
Luminaire Lumens: 639.0 lumens  
Efficiency: N/A  
Efficacy: 22.1 lumens/watt  
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18  
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')  
CIE Type: General Diffuse

Input Watts (W): 28.9  
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	55
1	95	90	84	79	88	83	78	74	70	67	64		59	56	54		48	46	45	39
2	86	77	70	63	79	71	65	59	61	56	51		51	47	43		42	39	36	31
3	78	68	59	53	72	63	55	49	53	48	43		45	40	36		37	33	30	26
4	72	60	51	45	66	56	48	42	48	42	37		40	35	32		33	30	27	23
5	67	54	45	39	61	50	43	37	43	37	32		37	32	28		31	27	24	21
6	62	49	41	34	57	46	38	33	40	33	29		34	29	25		28	25	22	19
7	58	45	37	31	53	42	35	29	37	31	26		31	27	23		27	23	20	17
8	54	41	34	28	50	39	32	27	34	28	24		29	25	21		25	21	19	16
9	51	38	31	26	47	36	29	25	32	26	22		28	23	20		24	20	17	15
10	48	36	29	24	45	34	27	23	30	24	21		26	22	19		23	19	17	15

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

	0°
0°	61087
5°	30917
10°	5936
15°	1991
20°	1191
25°	908
30°	749
35°	675
40°	616
45°	593
50°	576
55°	565
60°	568
65°	567
70°	579
75°	596
80°	607
85°	623

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 643 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.9	8.3
10°-20°	25.4	4.0
20°-30°	22.0	3.4
30°-40°	26.5	4.1
40°-50°	32.7	5.1
50°-60°	39.6	6.2
60°-70°	46.3	7.3
70°-80°	52.5	8.2
80°-90°	56.4	8.8
90°-100°	57.9	9.1
100°-110°	56.4	8.8
110°-120°	51.2	8.0
120°-130°	43.1	6.7
130°-140°	33.3	5.2
140°-150°	22.9	3.6
150°-160°	13.4	2.1
160°-170°	5.7	0.9
170°-180°	0.8	0.1
0°-30°	100.3	15.7
0°-40°	126.8	19.8
0°-60°	199.1	31.2
0°-90°	354.4	55.5
90°-120°	165.5	25.9
90°-150°	264.8	41.4
90°-180°	285.0	44.6
0°-180°	639.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1192	
5°	821	53
15°	80	25
25°	47	22
35°	42	26
45°	42	33
55°	44	40
65°	47	46
75°	50	53
85°	52	42
90°	52	29
95°	53	44
105°	53	56
115°	52	51
125°	48	43
135°	43	33
145°	36	23
155°	29	13
165°	20	6
175°	6	1
180°	1	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1192.0
2.5°	1284.3
5°	820.9
7.5°	286.3
10°	198.2
12.5°	113.5
15°	79.6
17.5°	64.4
20°	55.1
22.5°	50.0
25°	47.4
27.5°	44.9
30°	43.2
32.5°	42.4
35°	42.4
37.5°	41.5
40°	41.5
42.5°	41.5
45°	42.4
47.5°	42.4
50°	43.2
52.5°	43.2
55°	44.1
57.5°	44.9
60°	45.7
62.5°	45.7
65°	46.6
67.5°	47.4
70°	48.3
72.5°	49.1
75°	50.0
77.5°	50.0
80°	50.8
82.5°	51.7
85°	51.7
87.5°	51.7
90°	52.5
92.5°	52.5
95°	53.4
97.5°	53.4
100°	53.4
102.5°	53.4
105°	53.4
107.5°	53.4
110°	52.5

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	52.5
115°	51.7
117.5°	50.8
120°	50.0
122.5°	49.1
125°	48.3
127.5°	46.6
130°	45.7
132.5°	44.1
135°	43.2
137.5°	41.5
140°	39.8
142.5°	38.1
145°	36.4
147.5°	34.7
150°	33.0
152.5°	30.5
155°	28.8
157.5°	26.3
160°	24.6
162.5°	22.0
165°	19.5
167.5°	16.9
170°	14.4
172.5°	10.2
175°	5.9
177.5°	2.5
180°	0.8



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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	5.2	6.2	6.1	7.1	8.3	5.2	6.2	6.1	7.1	8.3
	3H	8.2	9.1	9.1	10.0	11.2	8.2	9.1	9.1	10.0	11.2
	4H	9.7	10.5	10.6	11.5	12.7	9.7	10.5	10.6	11.5	12.7
	6H	11.1	12.0	12.1	12.9	14.1	11.1	12.0	12.1	12.9	14.1
	8H	11.9	12.6	12.8	13.6	14.8	11.9	12.6	12.8	13.6	14.8
	12H	12.5	13.3	13.5	14.3	15.5	12.5	13.3	13.5	14.3	15.5
4H	2H	5.9	6.8	6.8	7.7	9.0	5.9	6.8	6.8	7.7	9.0
	3H	9.1	9.9	10.1	10.9	12.1	9.1	9.9	10.1	10.9	12.1
	4H	10.8	11.5	11.7	12.4	13.7	10.8	11.5	11.7	12.4	13.7
	6H	12.4	13.0	13.4	14.0	15.3	12.4	13.0	13.4	14.0	15.3
	8H	13.2	13.8	14.2	14.8	16.1	13.2	13.8	14.2	14.8	16.1
	12H	14.0	14.6	15.0	15.6	16.8	14.0	14.6	15.0	15.6	16.8
8H	4H	11.3	11.9	12.2	12.9	14.1	11.3	11.9	12.2	12.9	14.1
	6H	13.1	13.7	14.1	14.7	15.9	13.1	13.7	14.1	14.7	15.9
	8H	14.1	14.6	15.1	15.6	16.8	14.1	14.6	15.1	15.6	16.8
	12H	15.1	15.5	16.1	16.5	17.8	15.1	15.5	16.1	16.5	17.8
12H	4H	11.4	12.0	12.4	13.0	14.2	11.4	12.0	12.4	13.0	14.2
	6H	13.3	13.8	14.3	14.8	16.1	13.3	13.8	14.3	14.8	16.1
	8H	14.4	14.8	15.4	15.8	17.1	14.4	14.8	15.4	15.8	17.1

(END OF REPORT)