

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: P1245319

Luminaire Tested: PRLX-UNA-L-930-09L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245319
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UNA-L-930-09L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

Summary

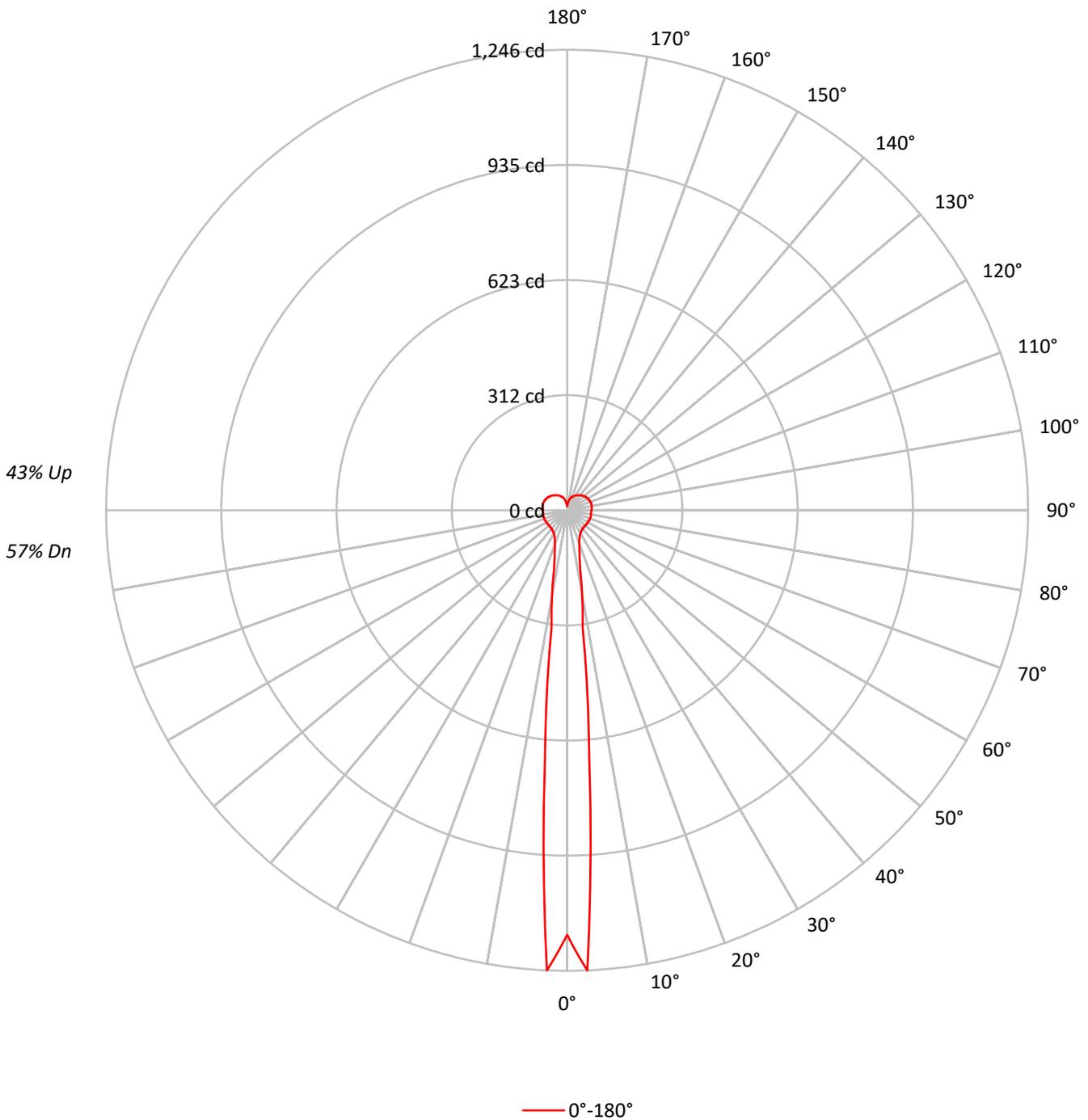
Lumens per Lamp: N/A
Luminaire Lumens: 854.0 lumens
Efficiency: N/A
Efficacy: 37.8 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 22.6
Input Voltage (V): NR
Input Current (A_{in}): 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	57
1	96	90	85	80	88	83	79	75	71	68	64		60	57	55		49	47	46	40
2	86	77	70	63	80	72	65	59	61	56	51		51	47	44		42	39	37	32
3	79	68	59	52	72	63	55	49	54	48	43		45	40	37		37	34	31	27
4	72	60	51	44	66	56	48	42	48	41	37		40	35	31		33	30	27	23
5	66	54	45	38	61	50	42	36	43	37	32		36	31	28		30	27	23	20
6	61	48	40	34	57	45	37	32	39	33	28		33	28	25		28	24	21	18
7	57	44	36	30	53	41	34	28	36	30	25		31	26	22		26	22	19	17
8	53	41	33	27	49	38	31	26	33	27	23		29	24	20		24	21	18	15
9	50	37	30	25	46	35	28	23	31	25	21		27	22	19		23	19	16	14
10	47	35	27	22	44	33	26	21	29	23	19		25	21	17		22	18	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	36338
5°	17029
10°	4788
15°	2249
20°	1483
25°	1101
30°	905
35°	791
40°	714
45°	670
50°	639
55°	622
60°	611
65°	607
70°	606
75°	609
80°	603
85°	612

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 670 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.2	6.0
10°-20°	38.4	4.5
20°-30°	37.4	4.4
30°-40°	42.6	5.0
40°-50°	49.7	5.8
50°-60°	57.7	6.8
60°-70°	64.8	7.6
70°-80°	69.6	8.2
80°-90°	71.1	8.3
90°-100°	72.9	8.5
100°-110°	71.3	8.4
110°-120°	65.2	7.6
120°-130°	55.6	6.5
130°-140°	43.8	5.1
140°-150°	31.3	3.7
150°-160°	19.7	2.3
160°-170°	9.6	1.1
170°-180°	2.0	0.2
0°-30°	127.0	14.9
0°-40°	169.6	19.9
0°-60°	277.0	32.4
0°-90°	482.5	56.5
90°-120°	209.4	24.5
90°-150°	340.2	39.8
90°-180°	371.0	43.4
0°-180°	854.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1149	
5°	690	51
15°	129	38
25°	80	37
35°	68	43
45°	64	50
55°	64	58
65°	65	65
75°	66	70
85°	65	53
90°	66	36
95°	67	55
105°	68	71
115°	66	65
125°	62	56
135°	57	44
145°	50	31
155°	42	20
165°	34	10
175°	18	2
180°	12	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1148.6
2.5°	1246.4
5°	690.4
7.5°	320.2
10°	235.4
12.5°	162.0
15°	129.1
17.5°	110.0
20°	96.7
22.5°	86.7
25°	79.9
27.5°	75.3
30°	71.8
32.5°	69.5
35°	67.6
37.5°	66.1
40°	65.0
42.5°	64.6
45°	64.2
47.5°	63.8
50°	63.8
52.5°	64.2
55°	64.2
57.5°	64.6
60°	64.6
62.5°	65.0
65°	65.3
67.5°	65.7
70°	65.7
72.5°	66.1
75°	66.1
77.5°	65.7
80°	65.0
82.5°	65.0
85°	65.0
87.5°	65.3
90°	65.7
92.5°	66.5
95°	66.9
97.5°	67.2
100°	67.6
102.5°	67.6
105°	67.6
107.5°	67.2
110°	66.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	66.5
115°	65.7
117.5°	65.0
120°	64.2
122.5°	63.0
125°	61.9
127.5°	60.8
130°	59.6
132.5°	58.1
135°	56.6
137.5°	55.0
140°	53.1
142.5°	51.6
145°	49.7
147.5°	48.1
150°	46.2
152.5°	44.3
155°	42.4
157.5°	40.5
160°	38.2
162.5°	36.3
165°	33.6
167.5°	30.6
170°	26.7
172.5°	22.5
175°	17.6
177.5°	13.0
180°	11.5



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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	5.8	6.8	6.7	7.7	8.9	5.8	6.8	6.7	7.7	8.9
	3H	8.6	9.5	9.5	10.5	11.7	8.6	9.5	9.5	10.5	11.7
	4H	10.0	10.9	10.9	11.8	13.0	10.0	10.9	10.9	11.8	13.0
	6H	11.3	12.2	12.2	13.1	14.3	11.3	12.2	12.2	13.1	14.3
	8H	12.0	12.8	12.9	13.7	14.9	12.0	12.8	12.9	13.7	14.9
	12H	12.6	13.4	13.5	14.3	15.5	12.6	13.4	13.5	14.3	15.5
4H	2H	6.5	7.4	7.4	8.3	9.5	6.5	7.4	7.4	8.3	9.5
	3H	9.5	10.3	10.4	11.3	12.5	9.5	10.3	10.4	11.3	12.5
	4H	11.1	11.8	12.0	12.7	14.0	11.1	11.8	12.0	12.7	14.0
	6H	12.6	13.2	13.5	14.2	15.4	12.6	13.2	13.5	14.2	15.4
	8H	13.3	13.9	14.2	14.9	16.1	13.3	13.9	14.2	14.9	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	11.6	12.2	12.5	13.1	14.4	11.6	12.2	12.5	13.1	14.4
	6H	13.3	13.8	14.2	14.8	16.0	13.3	13.8	14.2	14.8	16.0
	8H	14.1	14.6	15.1	15.6	16.9	14.1	14.6	15.1	15.6	16.9
	12H	15.0	15.5	16.0	16.5	17.8	15.0	15.5	16.0	16.5	17.8
12H	4H	11.6	12.2	12.6	13.2	14.4	11.6	12.2	12.6	13.2	14.4
	6H	13.4	13.9	14.4	14.9	16.2	13.4	13.9	14.4	14.9	16.2
	8H	14.4	14.8	15.4	15.8	17.1	14.4	14.8	15.4	15.8	17.1

(END OF REPORT)