

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: P1245340

Luminaire Tested: PRLX-UNA-L-935-05L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245340
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-935-05L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

Summary

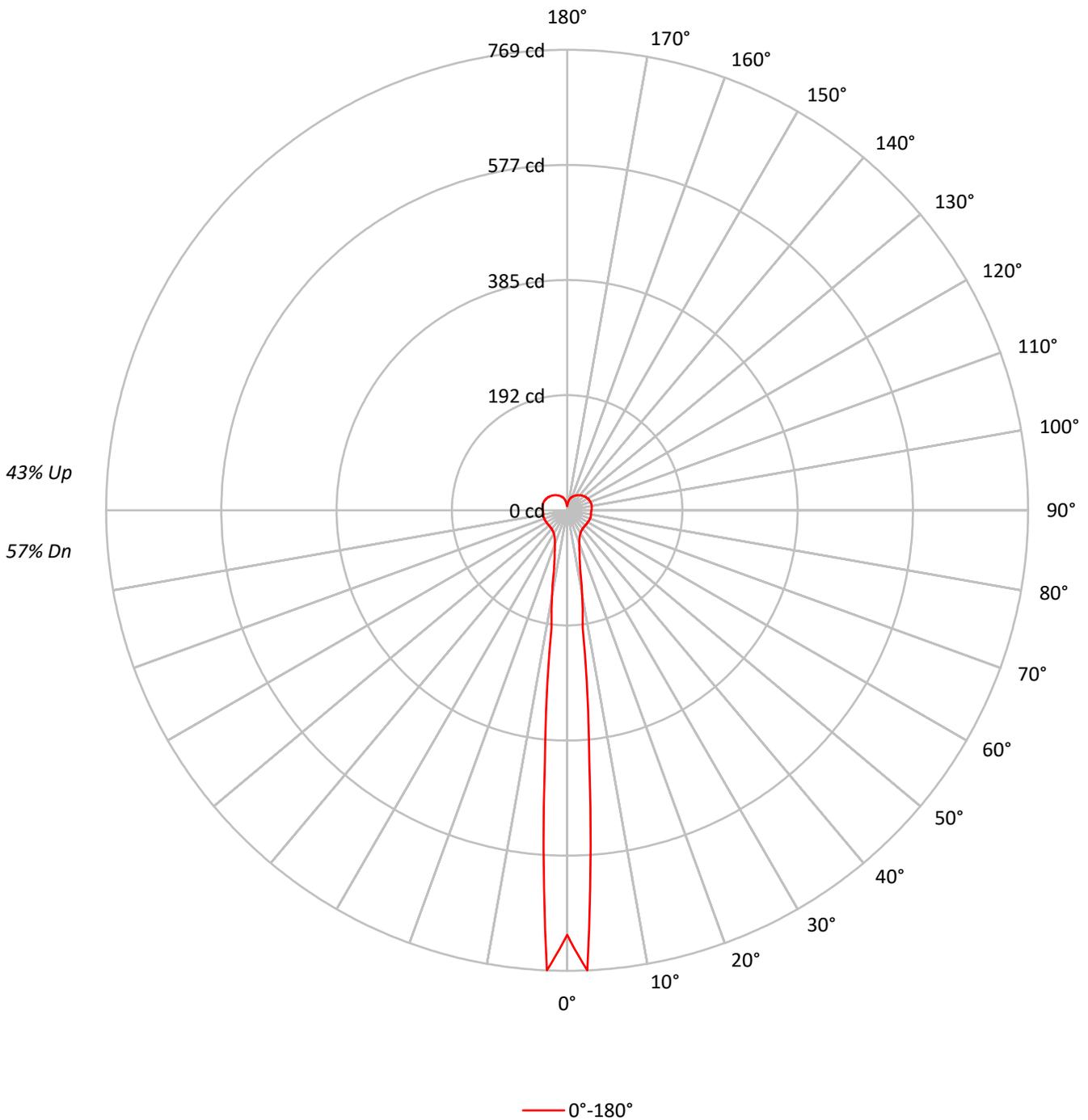
Lumens per Lamp: N/A
Luminaire Lumens: 527.0 lumens
Efficiency: N/A
Efficacy: 35.6 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 14.8
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°	22424
5°	10510
10°	2953
15°	1388
20°	915
25°	680
30°	559
35°	488
40°	441
45°	413
50°	394
55°	384
60°	376
65°	375
70°	374
75°	376
80°	372
85°	377

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 413 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.6	6.0
10°-20°	23.7	4.5
20°-30°	23.1	4.4
30°-40°	26.3	5.0
40°-50°	30.7	5.8
50°-60°	35.6	6.8
60°-70°	40.0	7.6
70°-80°	43.0	8.2
80°-90°	43.9	8.3
90°-100°	45.0	8.5
100°-110°	44.0	8.4
110°-120°	40.2	7.6
120°-130°	34.3	6.5
130°-140°	27.0	5.1
140°-150°	19.3	3.7
150°-160°	12.2	2.3
160°-170°	5.9	1.1
170°-180°	1.2	0.2
0°-30°	78.4	14.9
0°-40°	104.6	19.9
0°-60°	170.9	32.4
0°-90°	297.8	56.5
90°-120°	129.3	24.5
90°-150°	209.9	39.8
90°-180°	229.0	43.5
0°-180°	527.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	709	
5°	426	32
15°	80	24
25°	49	23
35°	42	26
45°	40	31
55°	40	36
65°	40	40
75°	41	43
85°	40	33
90°	41	22
95°	41	34
105°	42	44
115°	41	40
125°	38	34
135°	35	27
145°	31	19
155°	26	12
165°	21	6
175°	11	1
180°	7	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	708.8
2.5°	769.1
5°	426.1
7.5°	197.6
10°	145.2
12.5°	100.0
15°	79.7
17.5°	67.9
20°	59.7
22.5°	53.5
25°	49.3
27.5°	46.5
30°	44.3
32.5°	42.9
35°	41.7
37.5°	40.8
40°	40.1
42.5°	39.8
45°	39.6
47.5°	39.4
50°	39.4
52.5°	39.6
55°	39.6
57.5°	39.8
60°	39.8
62.5°	40.1
65°	40.3
67.5°	40.6
70°	40.6
72.5°	40.8
75°	40.8
77.5°	40.6
80°	40.1
82.5°	40.1
85°	40.1
87.5°	40.3
90°	40.6
92.5°	41.0
95°	41.3
97.5°	41.5
100°	41.7
102.5°	41.7
105°	41.7
107.5°	41.5
110°	41.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	41.0
115°	40.6
117.5°	40.1
120°	39.6
122.5°	38.9
125°	38.2
127.5°	37.5
130°	36.8
132.5°	35.8
135°	34.9
137.5°	34.0
140°	32.8
142.5°	31.8
145°	30.7
147.5°	29.7
150°	28.5
152.5°	27.4
155°	26.2
157.5°	25.0
160°	23.6
162.5°	22.4
165°	20.7
167.5°	18.9
170°	16.5
172.5°	13.9
175°	10.8
177.5°	8.0
180°	7.1



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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	4.1	5.1	5.0	6.0	7.2	4.1	5.1	5.0	6.0	7.2
	3H	6.9	7.9	7.8	8.8	10.0	6.9	7.9	7.8	8.8	10.0
	4H	8.3	9.2	9.2	10.1	11.3	8.3	9.2	9.2	10.1	11.3
	6H	9.7	10.5	10.6	11.4	12.6	9.7	10.5	10.6	11.4	12.6
	8H	10.3	11.1	11.2	12.0	13.3	10.3	11.1	11.2	12.0	13.3
	12H	10.9	11.7	11.9	12.6	13.9	10.9	11.7	11.9	12.6	13.9
4H	2H	4.8	5.7	5.7	6.6	7.8	4.8	5.7	5.7	6.6	7.8
	3H	7.9	8.6	8.8	9.6	10.8	7.9	8.6	8.8	9.6	10.8
	4H	9.4	10.1	10.3	11.1	12.3	9.4	10.1	10.3	11.1	12.3
	6H	10.9	11.5	11.8	12.5	13.7	10.9	11.5	11.8	12.5	13.7
	8H	11.6	12.2	12.6	13.2	14.4	11.6	12.2	12.6	13.2	14.4
	12H	12.4	12.9	13.3	13.9	15.2	12.4	12.9	13.3	13.9	15.2
8H	4H	9.9	10.5	10.8	11.4	12.7	9.9	10.5	10.8	11.4	12.7
	6H	11.6	12.1	12.5	13.1	14.4	11.6	12.1	12.5	13.1	14.4
	8H	12.5	12.9	13.4	13.9	15.2	12.5	12.9	13.4	13.9	15.2
	12H	13.4	13.8	14.3	14.8	16.1	13.4	13.8	14.3	14.8	16.1
12H	4H	10.0	10.5	10.9	11.5	12.8	10.0	10.5	10.9	11.5	12.8
	6H	11.8	12.2	12.7	13.2	14.5	11.8	12.2	12.7	13.2	14.5
	8H	12.7	13.1	13.7	14.1	15.4	12.7	13.1	13.7	14.1	15.4

(END OF REPORT)