

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: P1245352

Luminaire Tested: PRLX-UNA-L-935-20L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245352
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-935-20L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 6
Light Source: -
Ballast/Driver: -

Summary

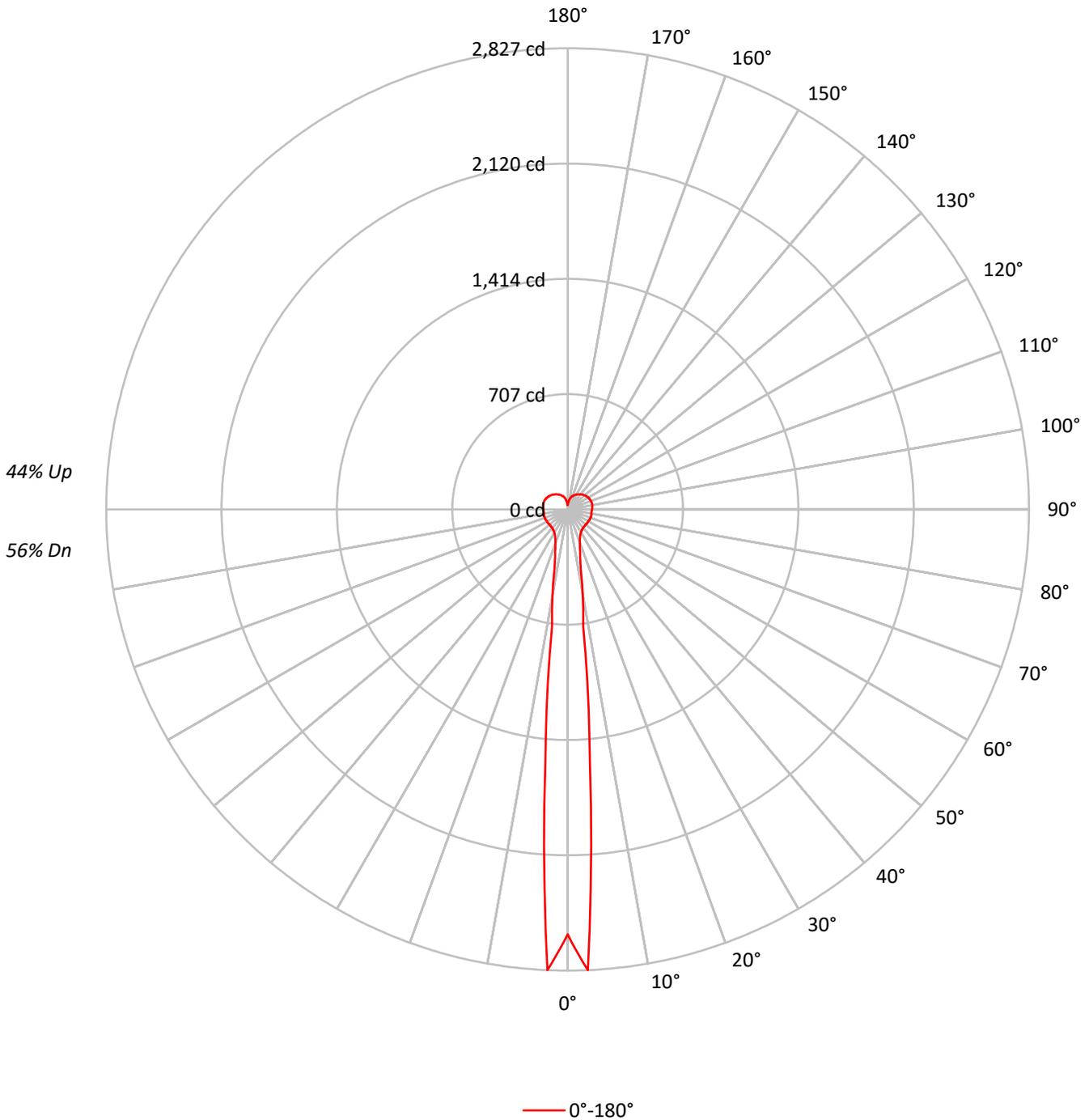
Lumens per Lamp: N/A
Luminaire Lumens: 1937.0 lumens
Efficiency: N/A
Efficacy: 39.9 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 48.6
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	109	109	109	109	101	101	101	101	87	87	87		74	74	74		62	62	62	56
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°	82419
5°	38627
10°	10859
15°	5101
20°	3362
25°	2496
30°	2054
35°	1795
40°	1619
45°	1520
50°	1449
55°	1411
60°	1385
65°	1379
70°	1375
75°	1381
80°	1367
85°	1387

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1520 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.1	6.0
10°-20°	87.1	4.5
20°-30°	84.8	4.4
30°-40°	96.6	5.0
40°-50°	112.8	5.8
50°-60°	130.8	6.8
60°-70°	147.0	7.6
70°-80°	157.9	8.2
80°-90°	161.2	8.3
90°-100°	165.4	8.5
100°-110°	161.8	8.4
110°-120°	147.9	7.6
120°-130°	126.1	6.5
130°-140°	99.4	5.1
140°-150°	71.1	3.7
150°-160°	44.7	2.3
160°-170°	21.7	1.1
170°-180°	4.5	0.2
0°-30°	288.0	14.9
0°-40°	384.6	19.9
0°-60°	628.3	32.4
0°-90°	1094.4	56.5
90°-120°	475.1	24.5
90°-150°	771.7	39.8
90°-180°	843.0	43.5
0°-180°	1937.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2605	
5°	1566	116
15°	293	87
25°	181	85
35°	153	97
45°	146	113
55°	146	131
65°	148	147
75°	150	158
85°	147	120
90°	149	82
95°	152	124
105°	153	162
115°	149	148
125°	140	126
135°	128	99
145°	113	71
155°	96	45
165°	76	22
175°	40	4
180°	26	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2605.2
2.5°	2827.0
5°	1566.0
7.5°	726.3
10°	533.9
12.5°	367.5
15°	292.9
17.5°	249.6
20°	219.3
22.5°	196.7
25°	181.1
27.5°	170.7
30°	162.9
32.5°	157.7
35°	153.4
37.5°	149.9
40°	147.3
42.5°	146.5
45°	145.6
47.5°	144.7
50°	144.7
52.5°	145.6
55°	145.6
57.5°	146.5
60°	146.5
62.5°	147.3
65°	148.2
67.5°	149.1
70°	149.1
72.5°	149.9
75°	149.9
77.5°	149.1
80°	147.3
82.5°	147.3
85°	147.3
87.5°	148.2
90°	149.1
92.5°	150.8
95°	151.7
97.5°	152.5
100°	153.4
102.5°	153.4
105°	153.4
107.5°	152.5
110°	151.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	150.8
115°	149.1
117.5°	147.3
120°	145.6
122.5°	143.0
125°	140.4
127.5°	137.8
130°	135.2
132.5°	131.7
135°	128.3
137.5°	124.8
140°	120.5
142.5°	117.0
145°	112.7
147.5°	109.2
150°	104.9
152.5°	100.5
155°	96.2
157.5°	91.9
160°	86.7
162.5°	82.3
165°	76.3
167.5°	69.3
170°	60.7
172.5°	51.1
175°	39.9
177.5°	29.5
180°	26.0



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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	8.6	9.6	9.5	10.5	11.7	8.6	9.6	9.5	10.5	11.7
	3H	11.5	12.4	12.3	13.3	14.5	11.5	12.4	12.3	13.3	14.5
	4H	12.8	13.7	13.7	14.7	15.8	12.8	13.7	13.7	14.7	15.8
	6H	14.2	15.0	15.1	15.9	17.2	14.2	15.0	15.1	15.9	17.2
	8H	14.8	15.6	15.7	16.6	17.8	14.8	15.6	15.7	16.6	17.8
	12H	15.4	16.2	16.4	17.1	18.4	15.4	16.2	16.4	17.1	18.4
4H	2H	9.3	10.2	10.2	11.2	12.4	9.3	10.2	10.2	11.2	12.4
	3H	12.4	13.1	13.3	14.1	15.3	12.4	13.1	13.3	14.1	15.3
	4H	13.9	14.6	14.8	15.6	16.8	13.9	14.6	14.8	15.6	16.8
	6H	15.4	16.0	16.4	17.0	18.3	15.4	16.0	16.4	17.0	18.3
	8H	16.1	16.7	17.1	17.7	19.0	16.1	16.7	17.1	17.7	19.0
	12H	16.9	17.4	17.8	18.4	19.7	16.9	17.4	17.8	18.4	19.7
8H	4H	14.4	15.0	15.3	16.0	17.2	14.4	15.0	15.3	16.0	17.2
	6H	16.1	16.6	17.1	17.6	18.9	16.1	16.6	17.1	17.6	18.9
	8H	17.0	17.4	18.0	18.4	19.7	17.0	17.4	18.0	18.4	19.7
	12H	17.9	18.3	18.9	19.3	20.6	17.9	18.3	18.9	19.3	20.6
12H	4H	14.5	15.0	15.5	16.0	17.3	14.5	15.0	15.5	16.0	17.3
	6H	16.3	16.7	17.3	17.7	19.0	16.3	16.7	17.3	17.7	19.0
	8H	17.2	17.6	18.2	18.6	19.9	17.2	17.6	18.2	18.6	19.9

(END OF REPORT)