

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: P1245348

Luminaire Tested: PRLX-UNA-L-935-16L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245348
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-935-16L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

Summary

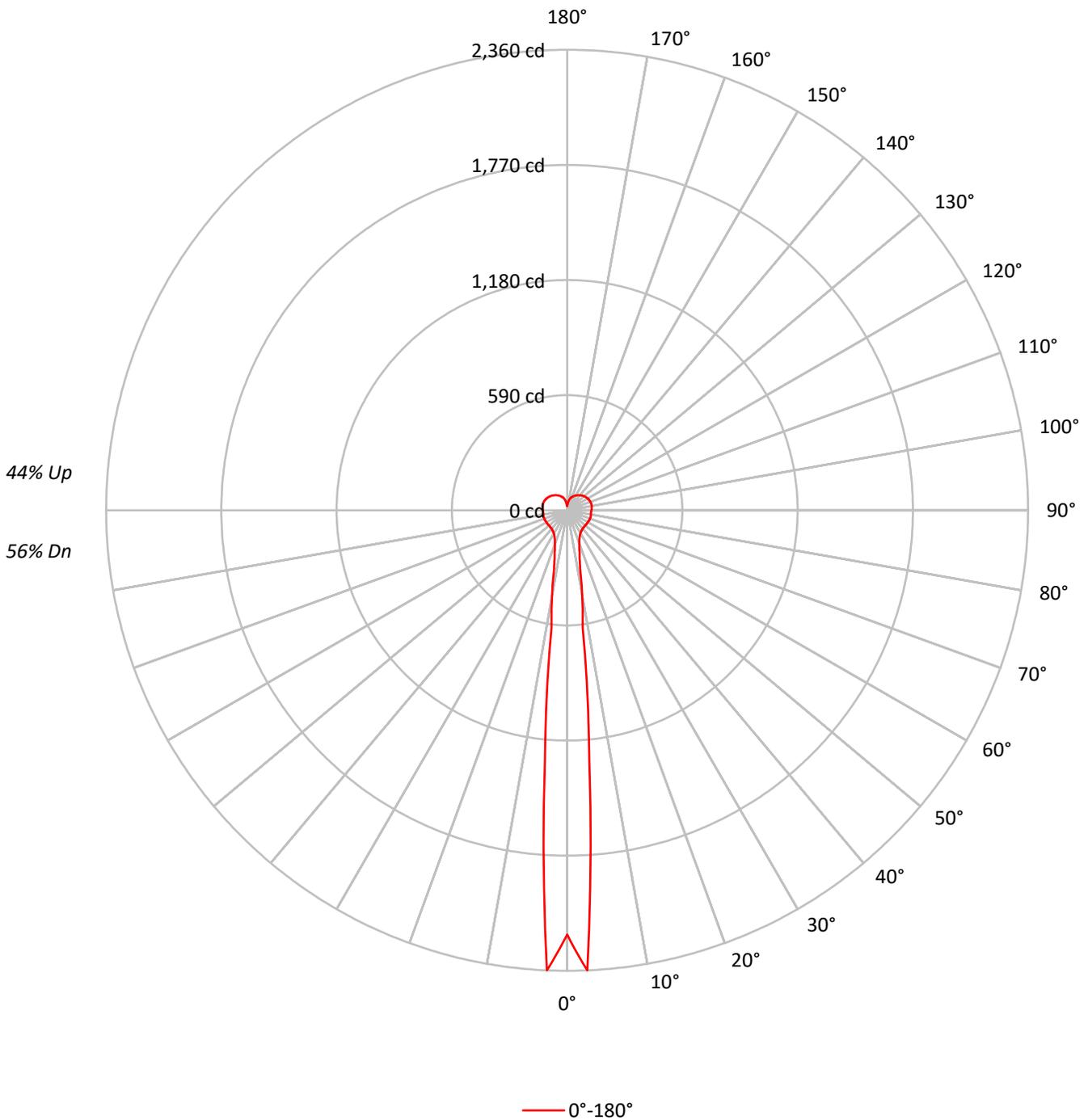
Lumens per Lamp: N/A
Luminaire Lumens: 1617.0 lumens
Efficiency: N/A
Efficacy: 41.7 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 38.8
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	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°	68803
5°	32246
10°	9065
15°	4258
20°	2806
25°	2084
30°	1715
35°	1499
40°	1352
45°	1268
50°	1209
55°	1177
60°	1156
65°	1151
70°	1147
75°	1154
80°	1141
85°	1158

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1268 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.9	6.0
10°-20°	72.7	4.5
20°-30°	70.8	4.4
30°-40°	80.6	5.0
40°-50°	94.2	5.8
50°-60°	109.2	6.8
60°-70°	122.7	7.6
70°-80°	131.8	8.2
80°-90°	134.6	8.3
90°-100°	138.0	8.5
100°-110°	135.1	8.4
110°-120°	123.5	7.6
120°-130°	105.2	6.5
130°-140°	83.0	5.1
140°-150°	59.4	3.7
150°-160°	37.3	2.3
160°-170°	18.2	1.1
170°-180°	3.7	0.2
0°-30°	240.4	14.9
0°-40°	321.1	19.9
0°-60°	524.5	32.4
0°-90°	913.6	56.5
90°-120°	396.6	24.5
90°-150°	644.2	39.8
90°-180°	703.0	43.5
0°-180°	1617.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2175	
5°	1307	97
15°	244	73
25°	151	71
35°	128	81
45°	122	94
55°	122	109
65°	124	123
75°	125	132
85°	123	101
90°	124	68
95°	127	104
105°	128	135
115°	124	123
125°	117	105
135°	107	83
145°	94	59
155°	80	37
165°	64	18
175°	33	4
180°	22	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2174.8
2.5°	2360.0
5°	1307.3
7.5°	606.3
10°	445.7
12.5°	306.8
15°	244.5
17.5°	208.4
20°	183.0
22.5°	164.2
25°	151.2
27.5°	142.5
30°	136.0
32.5°	131.7
35°	128.1
37.5°	125.2
40°	123.0
42.5°	122.3
45°	121.5
47.5°	120.8
50°	120.8
52.5°	121.5
55°	121.5
57.5°	122.3
60°	122.3
62.5°	123.0
65°	123.7
67.5°	124.4
70°	124.4
72.5°	125.2
75°	125.2
77.5°	124.4
80°	123.0
82.5°	123.0
85°	123.0
87.5°	123.7
90°	124.4
92.5°	125.9
95°	126.6
97.5°	127.3
100°	128.1
102.5°	128.1
105°	128.1
107.5°	127.3
110°	126.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	125.9
115°	124.4
117.5°	123.0
120°	121.5
122.5°	119.4
125°	117.2
127.5°	115.0
130°	112.9
132.5°	110.0
135°	107.1
137.5°	104.2
140°	100.6
142.5°	97.7
145°	94.1
147.5°	91.2
150°	87.5
152.5°	83.9
155°	80.3
157.5°	76.7
160°	72.3
162.5°	68.7
165°	63.7
167.5°	57.9
170°	50.6
172.5°	42.7
175°	33.3
177.5°	24.6
180°	21.7



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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	8.0	9.0	8.9	9.9	11.1	8.0	9.0	8.9	9.9	11.1
	3H	10.8	11.8	11.7	12.7	13.9	10.8	11.8	11.7	12.7	13.9
	4H	12.2	13.1	13.1	14.0	15.2	12.2	13.1	13.1	14.0	15.2
	6H	13.5	14.4	14.5	15.3	16.5	13.5	14.4	14.5	15.3	16.5
	8H	14.2	15.0	15.1	15.9	17.1	14.2	15.0	15.1	15.9	17.1
	12H	14.8	15.6	15.7	16.5	17.8	14.8	15.6	15.7	16.5	17.8
4H	2H	8.7	9.6	9.6	10.5	11.7	8.7	9.6	9.6	10.5	11.7
	3H	11.7	12.5	12.7	13.5	14.7	11.7	12.5	12.7	13.5	14.7
	4H	13.3	14.0	14.2	14.9	16.2	13.3	14.0	14.2	14.9	16.2
	6H	14.8	15.4	15.7	16.4	17.6	14.8	15.4	15.7	16.4	17.6
	8H	15.5	16.1	16.5	17.1	18.3	15.5	16.1	16.5	17.1	18.3
	12H	16.2	16.8	17.2	17.8	19.0	16.2	16.8	17.2	17.8	19.0
8H	4H	13.8	14.4	14.7	15.3	16.6	13.8	14.4	14.7	15.3	16.6
	6H	15.5	16.0	16.4	17.0	18.2	15.5	16.0	16.4	17.0	18.2
	8H	16.4	16.8	17.3	17.8	19.1	16.4	16.8	17.3	17.8	19.1
	12H	17.3	17.7	18.2	18.7	20.0	17.3	17.7	18.2	18.7	20.0
12H	4H	13.9	14.4	14.8	15.4	16.7	13.9	14.4	14.8	15.4	16.7
	6H	15.6	16.1	16.6	17.1	18.4	15.6	16.1	16.6	17.1	18.4
	8H	16.6	17.0	17.6	18.0	19.3	16.6	17.0	17.6	18.0	19.3

(END OF REPORT)