

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: P1244844

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244844
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-MIN-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

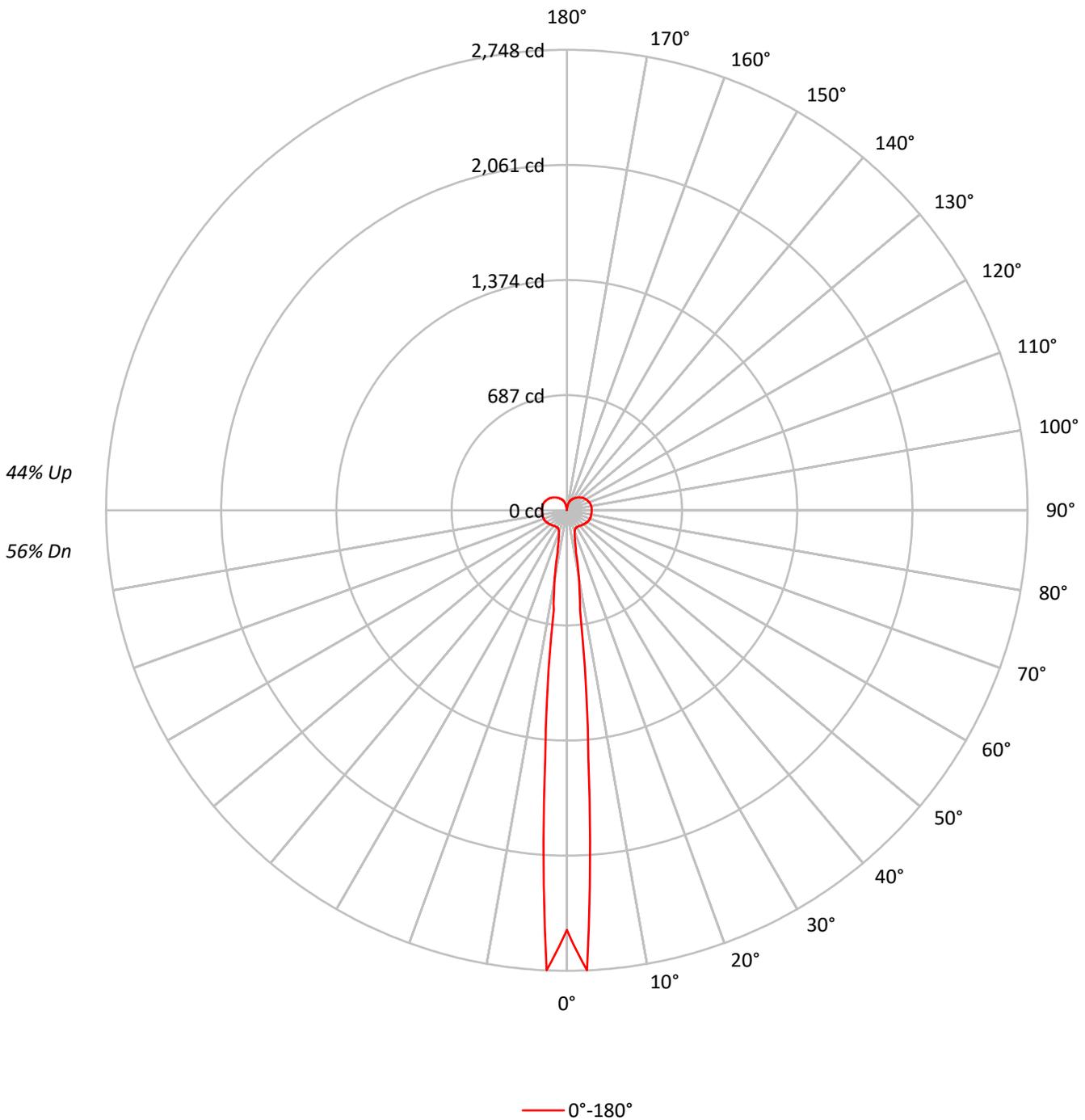
Lumens per Lamp: N/A
Luminaire Lumens: 1728.1 lumens
Efficiency: N/A
Efficacy: 44.5 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

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	95	89	83	78	88	82	77	73	70	66	63	59	56	53	48	46	44	39
2	85	76	68	62	79	70	63	58	60	54	50	50	46	42	41	38	35	30
3	77	66	57	50	71	61	53	47	52	46	41	43	39	35	36	32	29	25
4	71	58	49	42	65	54	46	40	46	40	35	39	34	30	32	28	25	21
5	65	52	43	36	60	48	40	34	41	35	30	35	30	26	29	25	22	18
6	60	47	38	32	55	44	36	30	38	31	26	32	27	23	27	22	19	16
7	56	43	34	28	52	40	32	27	35	28	24	29	24	21	25	21	18	15
8	52	39	31	25	48	37	29	24	32	26	21	27	22	19	23	19	16	14
9	49	36	28	23	45	34	27	22	30	24	20	26	21	17	22	18	15	13
10	46	34	26	21	43	32	25	20	28	22	18	24	19	16	21	17	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	79243
5°	36338
10°	8469
15°	3234
20°	2088
25°	1662
30°	1477
35°	1381
40°	1335
45°	1313
50°	1303
55°	1311
60°	1321
65°	1340
70°	1352
75°	1368
80°	1369
85°	1397

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1429 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.7	6.1
10°-20°	58.2	3.4
20°-30°	56.7	3.3
30°-40°	74.4	4.3
40°-50°	97.5	5.6
50°-60°	121.4	7.0
60°-70°	142.8	8.3
70°-80°	156.2	9.0
80°-90°	161.5	9.3
90°-100°	161.8	9.4
100°-110°	153.8	8.9
110°-120°	136.0	7.9
120°-130°	112.0	6.5
130°-140°	84.5	4.9
140°-150°	57.1	3.3
150°-160°	33.4	1.9
160°-170°	13.8	0.8
170°-180°	1.3	0.1
0°-30°	220.5	12.8
0°-40°	294.9	17.1
0°-60°	513.8	29.7
0°-90°	974.3	56.4
90°-120°	451.6	26.1
90°-150°	705.2	40.8
90°-180°	754.0	43.6
0°-180°	1728.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2505	
5°	1473	106
15°	186	58
25°	121	57
35°	118	74
45°	126	98
55°	135	121
65°	144	143
75°	148	156
85°	148	121
90°	148	81
95°	148	121
105°	146	154
115°	137	136
125°	125	112
135°	109	85
145°	90	57
155°	72	33
165°	49	14
175°	7	1
180°	1	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2504.8
2.5°	2747.7
5°	1473.2
7.5°	599.5
10°	416.4
12.5°	255.1
15°	185.7
17.5°	154.4
20°	136.2
22.5°	126.7
25°	120.6
27.5°	118.0
30°	117.1
32.5°	117.1
35°	118.0
37.5°	118.9
40°	121.5
42.5°	123.2
45°	125.8
47.5°	128.4
50°	130.1
52.5°	132.7
55°	135.3
57.5°	137.9
60°	139.7
62.5°	142.3
65°	144.0
67.5°	145.8
70°	146.6
72.5°	147.5
75°	148.4
77.5°	147.5
80°	147.5
82.5°	147.5
85°	148.4
87.5°	148.4
90°	148.4
92.5°	148.4
95°	148.4
97.5°	148.4
100°	147.5
102.5°	146.6
105°	145.8
107.5°	144.0
110°	142.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	139.7
115°	137.1
117.5°	134.5
120°	131.0
122.5°	128.4
125°	124.9
127.5°	121.5
130°	117.1
132.5°	113.7
135°	109.3
137.5°	104.1
140°	99.8
142.5°	95.4
145°	90.2
147.5°	85.9
150°	81.6
152.5°	76.3
155°	72.0
157.5°	66.8
160°	61.6
162.5°	55.5
165°	48.6
167.5°	39.0
170°	26.9
172.5°	16.5
175°	6.9
177.5°	1.7
180°	0.9



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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	9.4	10.5	11.7	8.6	9.6	9.4	10.5	11.7
	3H	11.6	12.5	12.5	13.4	14.6	11.6	12.5	12.5	13.4	14.6
	4H	13.0	13.9	13.9	14.8	16.0	13.0	13.9	13.9	14.8	16.0
	6H	14.4	15.3	15.3	16.2	17.4	14.4	15.3	15.3	16.2	17.4
	8H	15.1	15.9	16.0	16.8	18.0	15.1	15.9	16.0	16.8	18.0
	12H	15.7	16.5	16.6	17.5	18.7	15.7	16.5	16.6	17.5	18.7
4H	2H	9.3	10.3	10.2	11.2	12.4	9.3	10.3	10.2	11.2	12.4
	3H	12.5	13.3	13.4	14.3	15.5	12.5	13.3	13.4	14.3	15.5
	4H	14.1	14.8	15.0	15.8	17.0	14.1	14.8	15.0	15.8	17.0
	6H	15.7	16.3	16.6	17.3	18.5	15.7	16.3	16.6	17.3	18.5
	8H	16.4	17.0	17.4	18.0	19.3	16.4	17.0	17.4	18.0	19.3
	12H	17.2	17.8	18.1	18.7	20.0	17.2	17.8	18.1	18.7	20.0
8H	4H	14.6	15.2	15.5	16.2	17.5	14.6	15.2	15.5	16.2	17.5
	6H	16.4	16.9	17.3	17.9	19.2	16.4	16.9	17.3	17.9	19.2
	8H	17.3	17.8	18.2	18.8	20.0	17.3	17.8	18.2	18.8	20.0
	12H	18.2	18.6	19.2	19.6	20.9	18.2	18.6	19.2	19.6	20.9
12H	4H	14.7	15.3	15.7	16.3	17.5	14.7	15.3	15.7	16.3	17.5
	6H	16.6	17.0	17.5	18.0	19.3	16.6	17.0	17.5	18.0	19.3
	8H	17.5	18.0	18.5	19.0	20.3	17.5	18.0	18.5	19.0	20.3

(END OF REPORT)