

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: P1244841

Luminaire Tested: PRLX-MIN-L-935-12L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244841
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-935-12L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

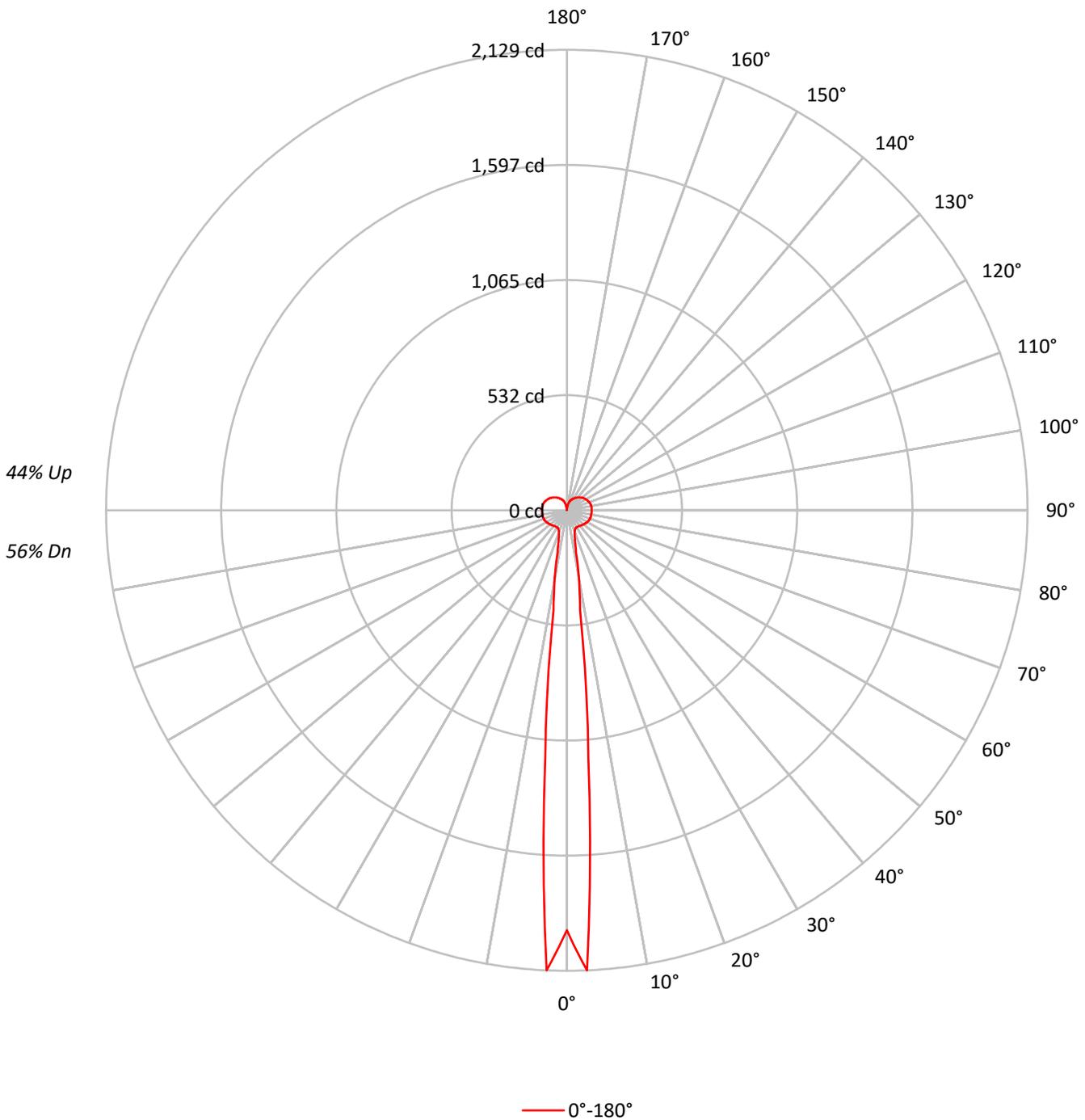
Lumens per Lamp: N/A
Luminaire Lumens: 1339.1 lumens
Efficiency: N/A
Efficacy: 43.9 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 30.5
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°	61403
5°	28156
10°	6564
15°	2506
20°	1617
25°	1288
30°	1145
35°	1069
40°	1034
45°	1018
50°	1009
55°	1016
60°	1023
65°	1038
70°	1048
75°	1060
80°	1061
85°	1083

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1107 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.9	6.1
10°-20°	45.1	3.4
20°-30°	43.9	3.3
30°-40°	57.6	4.3
40°-50°	75.6	5.6
50°-60°	94.1	7.0
60°-70°	110.6	8.3
70°-80°	121.0	9.0
80°-90°	125.2	9.3
90°-100°	125.4	9.4
100°-110°	119.1	8.9
110°-120°	105.4	7.9
120°-130°	86.8	6.5
130°-140°	65.5	4.9
140°-150°	44.3	3.3
150°-160°	25.9	1.9
160°-170°	10.7	0.8
170°-180°	1.0	0.1
0°-30°	170.9	12.8
0°-40°	228.5	17.1
0°-60°	398.2	29.7
0°-90°	755.0	56.4
90°-120°	349.9	26.1
90°-150°	546.5	40.8
90°-180°	584.0	43.6
0°-180°	1339.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1941	
5°	1142	82
15°	144	45
25°	93	44
35°	91	58
45°	98	76
55°	105	94
65°	112	111
75°	115	121
85°	115	94
90°	115	63
95°	115	94
105°	113	119
115°	106	105
125°	97	87
135°	85	66
145°	70	44
155°	56	26
165°	38	11
175°	5	1
180°	1	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1940.9
2.5°	2129.1
5°	1141.5
7.5°	464.6
10°	322.7
12.5°	197.7
15°	143.9
17.5°	119.7
20°	105.5
22.5°	98.2
25°	93.4
27.5°	91.4
30°	90.8
32.5°	90.8
35°	91.4
37.5°	92.1
40°	94.1
42.5°	95.5
45°	97.5
47.5°	99.5
50°	100.8
52.5°	102.9
55°	104.9
57.5°	106.9
60°	108.2
62.5°	110.3
65°	111.6
67.5°	112.9
70°	113.6
72.5°	114.3
75°	115.0
77.5°	114.3
80°	114.3
82.5°	114.3
85°	115.0
87.5°	115.0
90°	115.0
92.5°	115.0
95°	115.0
97.5°	115.0
100°	114.3
102.5°	113.6
105°	112.9
107.5°	111.6
110°	110.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	108.2
115°	106.2
117.5°	104.2
120°	101.5
122.5°	99.5
125°	96.8
127.5°	94.1
130°	90.8
132.5°	88.1
135°	84.7
137.5°	80.7
140°	77.3
142.5°	74.0
145°	69.9
147.5°	66.6
150°	63.2
152.5°	59.2
155°	55.8
157.5°	51.8
160°	47.7
162.5°	43.0
165°	37.6
167.5°	30.3
170°	20.8
172.5°	12.8
175°	5.4
177.5°	1.3
180°	0.7



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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	7.7	8.7	8.6	9.6	10.8	7.7	8.7	8.6	9.6	10.8
	3H	10.7	11.6	11.6	12.6	13.7	10.7	11.6	11.6	12.6	13.7
	4H	12.1	13.0	13.0	14.0	15.2	12.1	13.0	13.0	14.0	15.2
	6H	13.5	14.4	14.4	15.3	16.5	13.5	14.4	14.4	15.3	16.5
	8H	14.2	15.0	15.1	15.9	17.2	14.2	15.0	15.1	15.9	17.2
	12H	14.8	15.6	15.8	16.6	17.8	14.8	15.6	15.8	16.6	17.8
4H	2H	8.5	9.4	9.4	10.3	11.5	8.5	9.4	9.4	10.3	11.5
	3H	11.6	12.4	12.5	13.4	14.6	11.6	12.4	12.5	13.4	14.6
	4H	13.2	14.0	14.1	14.9	16.1	13.2	14.0	14.1	14.9	16.1
	6H	14.8	15.4	15.7	16.4	17.6	14.8	15.4	15.7	16.4	17.6
	8H	15.5	16.2	16.5	17.1	18.4	15.5	16.2	16.5	17.1	18.4
	12H	16.3	16.9	17.2	17.8	19.1	16.3	16.9	17.2	17.8	19.1
8H	4H	13.7	14.3	14.7	15.3	16.6	13.7	14.3	14.7	15.3	16.6
	6H	15.5	16.0	16.4	17.0	18.3	15.5	16.0	16.4	17.0	18.3
	8H	16.4	16.9	17.4	17.9	19.1	16.4	16.9	17.4	17.9	19.1
	12H	17.3	17.8	18.3	18.8	20.1	17.3	17.8	18.3	18.8	20.1
12H	4H	13.8	14.4	14.8	15.4	16.6	13.8	14.4	14.8	15.4	16.6
	6H	15.7	16.2	16.6	17.1	18.4	15.7	16.2	16.6	17.1	18.4
	8H	16.6	17.1	17.6	18.1	19.4	16.6	17.1	17.6	18.1	19.4

(END OF REPORT)