

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: P1245369

Luminaire Tested: PRLX-UNA-L-940-12L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245369
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-940-12L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE
LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

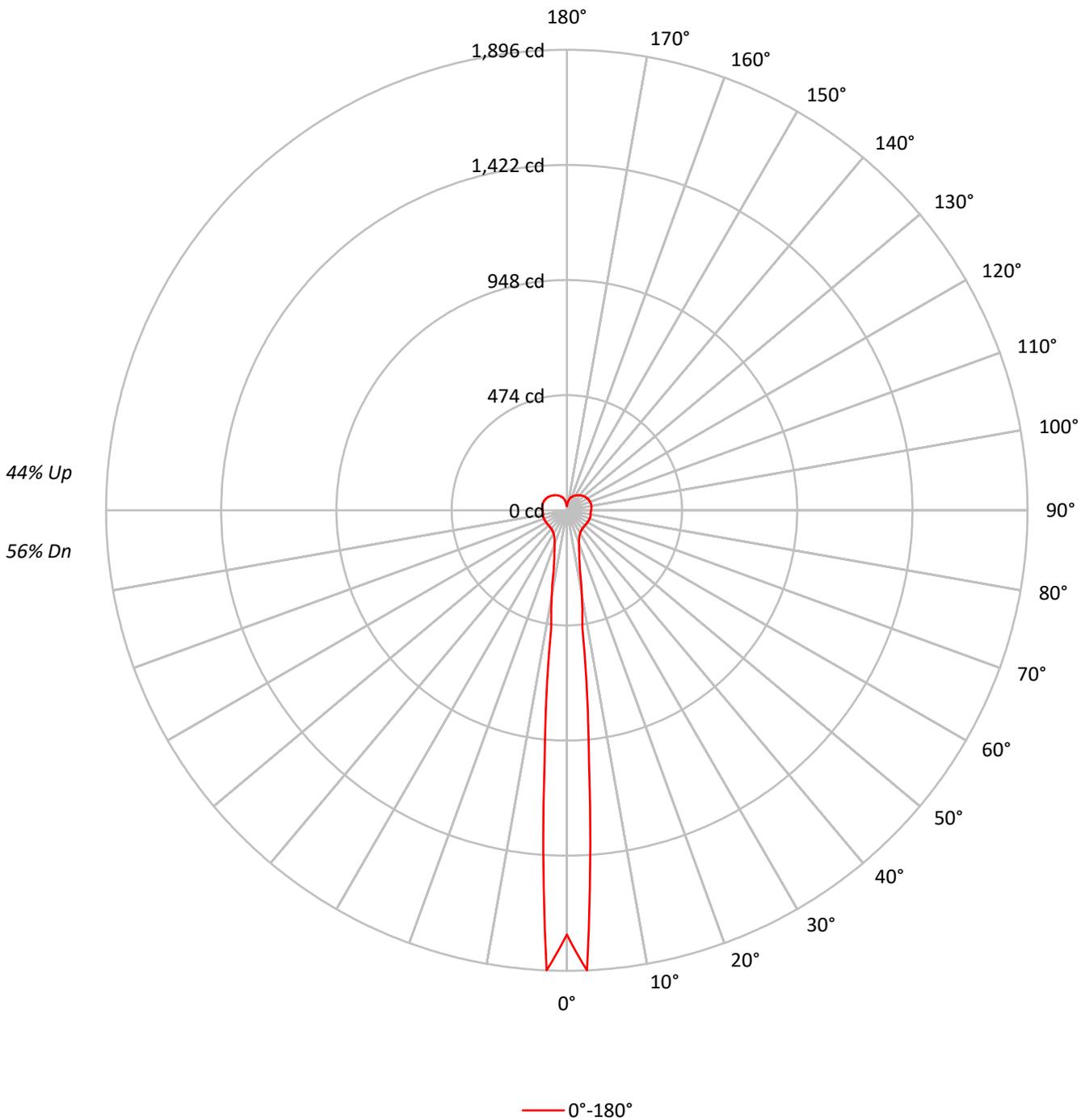
Lumens per Lamp: N/A
Luminaire Lumens: 1299.0 lumens
Efficiency: N/A
Efficacy: 42.6 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 30.5
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°	55272
5°	25904
10°	7282
15°	3421
20°	2254
25°	1675
30°	1378
35°	1204
40°	1086
45°	1019
50°	972
55°	946
60°	929
65°	925
70°	922
75°	926
80°	917
85°	930

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1019 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.9	6.0
10°-20°	58.4	4.5
20°-30°	56.9	4.4
30°-40°	64.8	5.0
40°-50°	75.7	5.8
50°-60°	87.7	6.8
60°-70°	98.6	7.6
70°-80°	105.9	8.2
80°-90°	108.1	8.3
90°-100°	110.9	8.5
100°-110°	108.5	8.4
110°-120°	99.2	7.6
120°-130°	84.5	6.5
130°-140°	66.7	5.1
140°-150°	47.7	3.7
150°-160°	30.0	2.3
160°-170°	14.6	1.1
170°-180°	3.0	0.2
0°-30°	193.2	14.9
0°-40°	257.9	19.9
0°-60°	421.3	32.4
0°-90°	733.9	56.5
90°-120°	318.6	24.5
90°-150°	517.5	39.8
90°-180°	565.0	43.5
0°-180°	1299.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1747	
5°	1050	78
15°	196	58
25°	122	57
35°	103	65
45°	98	76
55°	98	88
65°	99	99
75°	100	106
85°	99	81
90°	100	55
95°	102	83
105°	103	109
115°	100	99
125°	94	85
135°	86	67
145°	76	48
155°	64	30
165°	51	15
175°	27	3
180°	17	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1747.1
2.5°	1895.9
5°	1050.2
7.5°	487.0
10°	358.0
12.5°	246.4
15°	196.4
17.5°	167.4
20°	147.0
22.5°	131.9
25°	121.5
27.5°	114.5
30°	109.3
32.5°	105.8
35°	102.9
37.5°	100.5
40°	98.8
42.5°	98.2
45°	97.6
47.5°	97.1
50°	97.1
52.5°	97.6
55°	97.6
57.5°	98.2
60°	98.2
62.5°	98.8
65°	99.4
67.5°	100.0
70°	100.0
72.5°	100.5
75°	100.5
77.5°	100.0
80°	98.8
82.5°	98.8
85°	98.8
87.5°	99.4
90°	100.0
92.5°	101.1
95°	101.7
97.5°	102.3
100°	102.9
102.5°	102.9
105°	102.9
107.5°	102.3
110°	101.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	101.1
115°	100.0
117.5°	98.8
120°	97.6
122.5°	95.9
125°	94.2
127.5°	92.4
130°	90.7
132.5°	88.3
135°	86.0
137.5°	83.7
140°	80.8
142.5°	78.5
145°	75.6
147.5°	73.2
150°	70.3
152.5°	67.4
155°	64.5
157.5°	61.6
160°	58.1
162.5°	55.2
165°	51.1
167.5°	46.5
170°	40.7
172.5°	34.3
175°	26.7
177.5°	19.8
180°	17.4



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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	7.2	8.2	8.1	9.2	10.3	7.2	8.2	8.1	9.2	10.3
	3H	10.1	11.0	11.0	11.9	13.1	10.1	11.0	11.0	11.9	13.1
	4H	11.4	12.3	12.3	13.3	14.5	11.4	12.3	12.3	13.3	14.5
	6H	12.8	13.6	13.7	14.6	15.8	12.8	13.6	13.7	14.6	15.8
	8H	13.4	14.2	14.3	15.2	16.4	13.4	14.2	14.3	15.2	16.4
	12H	14.1	14.8	15.0	15.8	17.0	14.1	14.8	15.0	15.8	17.0
4H	2H	7.9	8.8	8.9	9.8	11.0	7.9	8.8	8.9	9.8	11.0
	3H	11.0	11.8	11.9	12.7	13.9	11.0	11.8	11.9	12.7	13.9
	4H	12.5	13.2	13.4	14.2	15.4	12.5	13.2	13.4	14.2	15.4
	6H	14.0	14.7	15.0	15.6	16.9	14.0	14.7	15.0	15.6	16.9
	8H	14.8	15.4	15.7	16.3	17.6	14.8	15.4	15.7	16.3	17.6
	12H	15.5	16.0	16.4	17.0	18.3	15.5	16.0	16.4	17.0	18.3
8H	4H	13.0	13.6	13.9	14.6	15.8	13.0	13.6	13.9	14.6	15.8
	6H	14.7	15.2	15.7	16.2	17.5	14.7	15.2	15.7	16.2	17.5
	8H	15.6	16.1	16.6	17.1	18.3	15.6	16.1	16.6	17.1	18.3
	12H	16.5	16.9	17.5	17.9	19.2	16.5	16.9	17.5	17.9	19.2
12H	4H	13.1	13.7	14.1	14.6	15.9	13.1	13.7	14.1	14.6	15.9
	6H	14.9	15.4	15.9	16.3	17.6	14.9	15.4	15.9	16.3	17.6
	8H	15.8	16.3	16.8	17.3	18.6	15.8	16.3	16.8	17.3	18.6

(END OF REPORT)