

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: P1245321

Luminaire Tested: PRLX-UNA-L-930-12L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245321
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-930-12L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

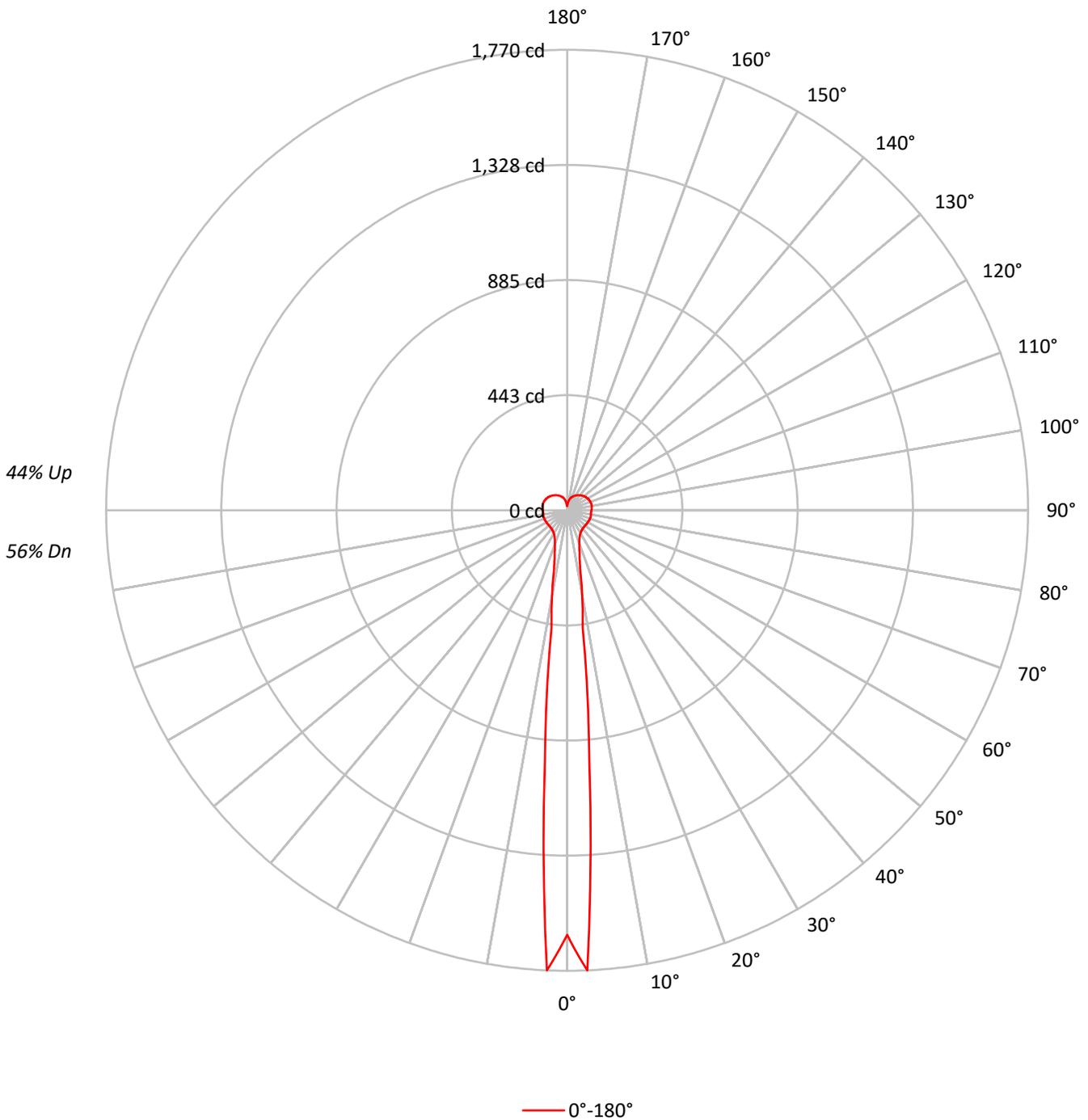
Lumens per Lamp: N/A
Luminaire Lumens: 1213.0 lumens
Efficiency: N/A
Efficacy: 39.8 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

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	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	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	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	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	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	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	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	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°	51612
5°	24190
10°	6800
15°	3194
20°	2105
25°	1563
30°	1286
35°	1124
40°	1015
45°	952
50°	907
55°	884
60°	867
65°	863
70°	861
75°	865
80°	856
85°	869

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 952 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.7	6.0
10°-20°	54.5	4.5
20°-30°	53.1	4.4
30°-40°	60.5	5.0
40°-50°	70.6	5.8
50°-60°	81.9	6.8
60°-70°	92.1	7.6
70°-80°	98.9	8.2
80°-90°	101.0	8.3
90°-100°	103.5	8.5
100°-110°	101.4	8.4
110°-120°	92.6	7.6
120°-130°	78.9	6.5
130°-140°	62.3	5.1
140°-150°	44.5	3.7
150°-160°	28.0	2.3
160°-170°	13.6	1.1
170°-180°	2.8	0.2
0°-30°	180.4	14.9
0°-40°	240.9	19.9
0°-60°	393.4	32.4
0°-90°	685.3	56.5
90°-120°	297.5	24.5
90°-150°	483.2	39.8
90°-180°	528.0	43.5
0°-180°	1213.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1631	
5°	981	73
15°	183	55
25°	113	53
35°	96	60
45°	91	71
55°	91	82
65°	93	92
75°	94	99
85°	92	75
90°	93	51
95°	95	78
105°	96	101
115°	93	93
125°	88	79
135°	80	62
145°	71	45
155°	60	28
165°	48	14
175°	25	3
180°	16	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1631.4
2.5°	1770.4
5°	980.7
7.5°	454.8
10°	334.3
12.5°	230.1
15°	183.4
17.5°	156.3
20°	137.3
22.5°	123.2
25°	113.4
27.5°	106.9
30°	102.0
32.5°	98.8
35°	96.1
37.5°	93.9
40°	92.3
42.5°	91.7
45°	91.2
47.5°	90.6
50°	90.6
52.5°	91.2
55°	91.2
57.5°	91.7
60°	91.7
62.5°	92.3
65°	92.8
67.5°	93.3
70°	93.3
72.5°	93.9
75°	93.9
77.5°	93.3
80°	92.3
82.5°	92.3
85°	92.3
87.5°	92.8
90°	93.3
92.5°	94.4
95°	95.0
97.5°	95.5
100°	96.1
102.5°	96.1
105°	96.1
107.5°	95.5
110°	95.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	94.4
115°	93.3
117.5°	92.3
120°	91.2
122.5°	89.5
125°	87.9
127.5°	86.3
130°	84.7
132.5°	82.5
135°	80.3
137.5°	78.2
140°	75.4
142.5°	73.3
145°	70.6
147.5°	68.4
150°	65.7
152.5°	63.0
155°	60.2
157.5°	57.5
160°	54.3
162.5°	51.6
165°	47.8
167.5°	43.4
170°	38.0
172.5°	32.0
175°	25.0
177.5°	18.5
180°	16.3



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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	7.0	8.0	7.9	8.9	10.1	7.0	8.0	7.9	8.9	10.1
	3H	9.8	10.8	10.7	11.7	12.9	9.8	10.8	10.7	11.7	12.9
	4H	11.2	12.1	12.1	13.0	14.2	11.2	12.1	12.1	13.0	14.2
	6H	12.5	13.4	13.5	14.3	15.5	12.5	13.4	13.5	14.3	15.5
	8H	13.2	14.0	14.1	14.9	16.1	13.2	14.0	14.1	14.9	16.1
	12H	13.8	14.6	14.7	15.5	16.8	13.8	14.6	14.7	15.5	16.8
4H	2H	7.7	8.6	8.6	9.5	10.7	7.7	8.6	8.6	9.5	10.7
	3H	10.7	11.5	11.7	12.5	13.7	10.7	11.5	11.7	12.5	13.7
	4H	12.3	13.0	13.2	13.9	15.2	12.3	13.0	13.2	13.9	15.2
	6H	13.8	14.4	14.7	15.4	16.6	13.8	14.4	14.7	15.4	16.6
	8H	14.5	15.1	15.5	16.1	17.3	14.5	15.1	15.5	16.1	17.3
	12H	15.2	15.8	16.2	16.8	18.0	15.2	15.8	16.2	16.8	18.0
8H	4H	12.8	13.4	13.7	14.3	15.6	12.8	13.4	13.7	14.3	15.6
	6H	14.5	15.0	15.4	16.0	17.2	14.5	15.0	15.4	16.0	17.2
	8H	15.4	15.8	16.3	16.8	18.1	15.4	15.8	16.3	16.8	18.1
	12H	16.3	16.7	17.2	17.7	19.0	16.3	16.7	17.2	17.7	19.0
12H	4H	12.9	13.4	13.8	14.4	15.7	12.9	13.4	13.8	14.4	15.7
	6H	14.6	15.1	15.6	16.1	17.4	14.6	15.1	15.6	16.1	17.4
	8H	15.6	16.0	16.6	17.0	18.3	15.6	16.0	16.6	17.0	18.3

(END OF REPORT)