

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: P1245333

Luminaire Tested: PRLX-UNA-L-930-27L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245333
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-930-27L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 8
Light Source: -
Ballast/Driver: -

Summary

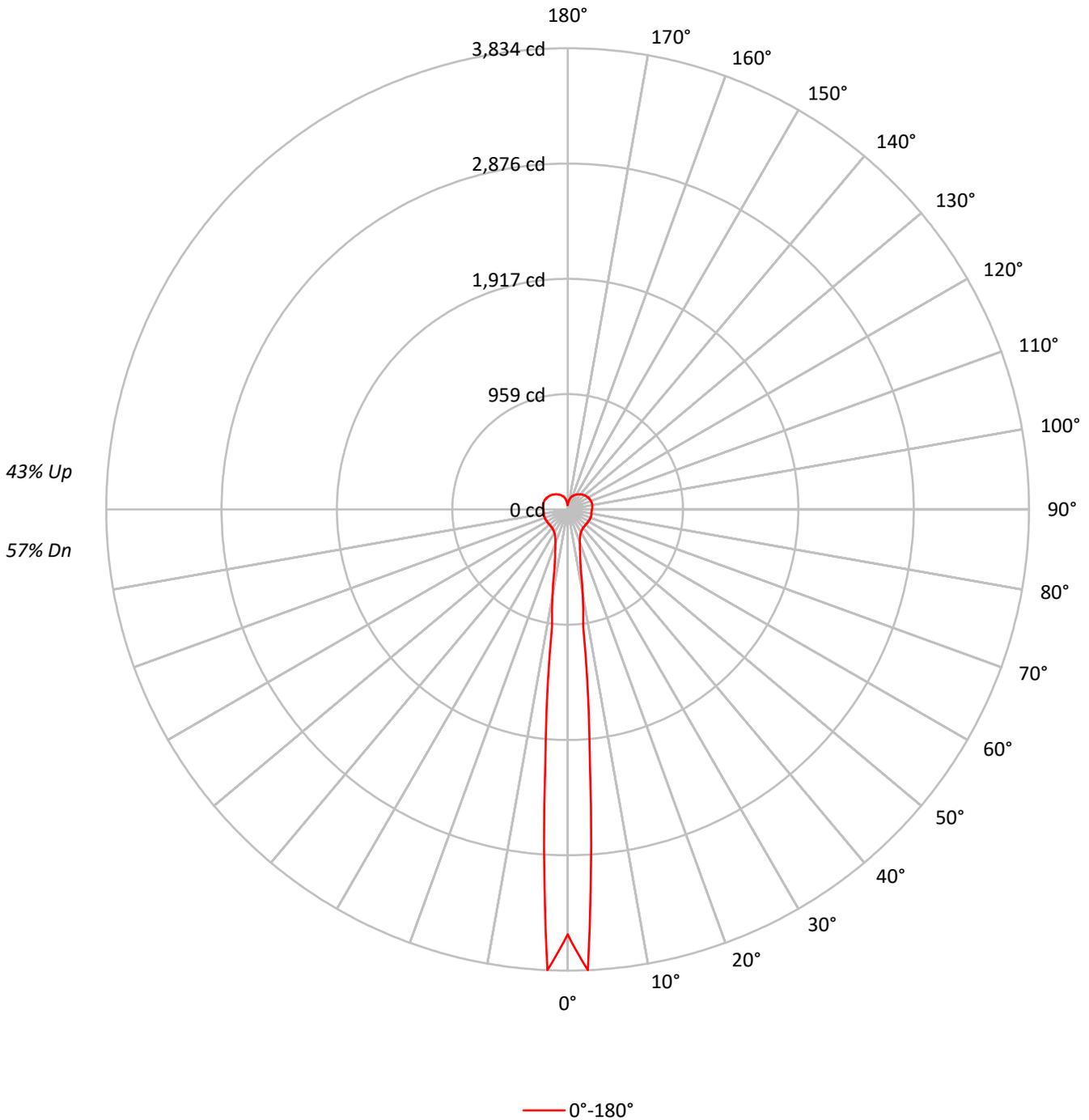
Lumens per Lamp: N/A
Luminaire Lumens: 2627.0 lumens
Efficiency: N/A
Efficacy: 37.9 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 69.4
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	57
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°	111778
5°	52388
10°	14726
15°	6920
20°	4559
25°	3387
30°	2787
35°	2434
40°	2196
45°	2062
50°	1965
55°	1914
60°	1878
65°	1870
70°	1865
75°	1874
80°	1854
85°	1881

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2062 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.5	6.0
10°-20°	118.1	4.5
20°-30°	115.1	4.4
30°-40°	131.0	5.0
40°-50°	153.0	5.8
50°-60°	177.4	6.8
60°-70°	199.4	7.6
70°-80°	214.2	8.2
80°-90°	218.7	8.3
90°-100°	224.3	8.5
100°-110°	219.5	8.4
110°-120°	200.6	7.6
120°-130°	171.0	6.5
130°-140°	134.8	5.1
140°-150°	96.4	3.7
150°-160°	60.6	2.3
160°-170°	29.5	1.1
170°-180°	6.1	0.2
0°-30°	390.7	14.9
0°-40°	521.6	19.9
0°-60°	852.1	32.4
0°-90°	1484.3	56.5
90°-120°	644.3	24.5
90°-150°	1046.5	39.8
90°-180°	1143.0	43.5
0°-180°	2627.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3533	
5°	2124	157
15°	397	118
25°	246	115
35°	208	131
45°	198	153
55°	198	177
65°	201	199
75°	203	214
85°	200	163
90°	202	111
95°	206	169
105°	208	219
115°	202	201
125°	190	171
135°	174	135
145°	153	96
155°	130	61
165°	103	29
175°	54	6
180°	35	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3533.2
2.5°	3834.1
5°	2123.9
7.5°	985.0
10°	724.0
12.5°	498.4
15°	397.3
17.5°	338.5
20°	297.4
22.5°	266.8
25°	245.7
27.5°	231.5
30°	221.0
32.5°	213.9
35°	208.0
37.5°	203.3
40°	199.8
42.5°	198.6
45°	197.5
47.5°	196.3
50°	196.3
52.5°	197.5
55°	197.5
57.5°	198.6
60°	198.6
62.5°	199.8
65°	201.0
67.5°	202.2
70°	202.2
72.5°	203.3
75°	203.3
77.5°	202.2
80°	199.8
82.5°	199.8
85°	199.8
87.5°	201.0
90°	202.2
92.5°	204.5
95°	205.7
97.5°	206.9
100°	208.0
102.5°	208.0
105°	208.0
107.5°	206.9
110°	205.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	204.5
115°	202.2
117.5°	199.8
120°	197.5
122.5°	193.9
125°	190.4
127.5°	186.9
130°	183.4
132.5°	178.7
135°	174.0
137.5°	169.3
140°	163.4
142.5°	158.7
145°	152.8
147.5°	148.1
150°	142.2
152.5°	136.3
155°	130.5
157.5°	124.6
160°	117.5
162.5°	111.7
165°	103.4
167.5°	94.0
170°	82.3
172.5°	69.3
175°	54.1
177.5°	40.0
180°	35.3



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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	9.7	10.7	10.6	11.6	12.8	9.7	10.7	10.6	11.6	12.8
	3H	12.5	13.4	13.4	14.4	15.6	12.5	13.4	13.4	14.4	15.6
	4H	13.9	14.8	14.8	15.7	16.9	13.9	14.8	14.8	15.7	16.9
	6H	15.2	16.1	16.2	17.0	18.2	15.2	16.1	16.2	17.0	18.2
	8H	15.9	16.7	16.8	17.6	18.8	15.9	16.7	16.8	17.6	18.8
	12H	16.5	17.3	17.4	18.2	19.4	16.5	17.3	17.4	18.2	19.4
4H	2H	10.4	11.3	11.3	12.2	13.4	10.4	11.3	11.3	12.2	13.4
	3H	13.4	14.2	14.4	15.2	16.4	13.4	14.2	14.4	15.2	16.4
	4H	15.0	15.7	15.9	16.6	17.9	15.0	15.7	15.9	16.6	17.9
	6H	16.5	17.1	17.4	18.1	19.3	16.5	17.1	17.4	18.1	19.3
	8H	17.2	17.8	18.1	18.8	20.0	17.2	17.8	18.1	18.8	20.0
	12H	17.9	18.5	18.9	19.5	20.7	17.9	18.5	18.9	19.5	20.7
8H	4H	15.5	16.1	16.4	17.0	18.3	15.5	16.1	16.4	17.0	18.3
	6H	17.2	17.7	18.1	18.7	19.9	17.2	17.7	18.1	18.7	19.9
	8H	18.0	18.5	19.0	19.5	20.8	18.0	18.5	19.0	19.5	20.8
	12H	18.9	19.4	19.9	20.4	21.7	18.9	19.4	19.9	20.4	21.7
12H	4H	15.6	16.1	16.5	17.1	18.3	15.6	16.1	16.5	17.1	18.3
	6H	17.3	17.8	18.3	18.8	20.1	17.3	17.8	18.3	18.8	20.1
	8H	18.3	18.7	19.3	19.7	21.0	18.3	18.7	19.3	19.7	21.0

(END OF REPORT)