

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: P1245323

Luminaire Tested: PRLX-UNA-L-930-16L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245323
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-930-16L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

Summary

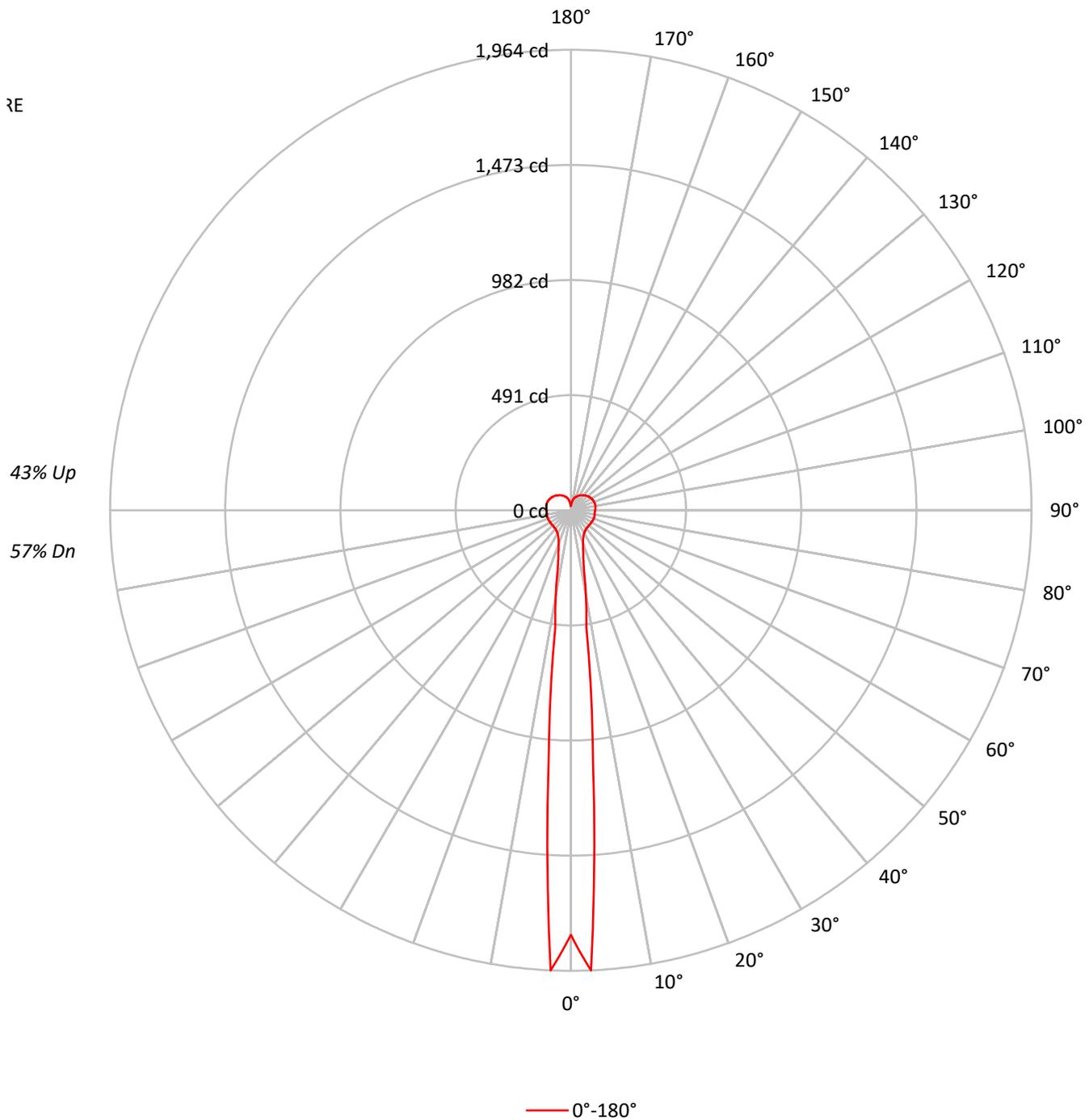
Lumens per Lamp: N/A
Luminaire Lumens: 1346.1 lumens
Efficiency: N/A
Efficacy: 34.7 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 38.8
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	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°	57271
5°	26842
10°	7546
15°	3546
20°	2336
25°	1736
30°	1427
35°	1247
40°	1126
45°	1056
50°	1007
55°	980
60°	963
65°	958
70°	956
75°	960
80°	950
85°	964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1056 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.7	6.0
10°-20°	60.5	4.5
20°-30°	59.0	4.4
30°-40°	67.1	5.0
40°-50°	78.4	5.8
50°-60°	90.9	6.8
60°-70°	102.2	7.6
70°-80°	109.8	8.2
80°-90°	112.1	8.3
90°-100°	114.9	8.5
100°-110°	112.5	8.4
110°-120°	102.8	7.6
120°-130°	87.6	6.5
130°-140°	69.1	5.1
140°-150°	49.4	3.7
150°-160°	31.1	2.3
160°-170°	15.1	1.1
170°-180°	3.1	0.2
0°-30°	200.2	14.9
0°-40°	267.3	19.9
0°-60°	436.6	32.4
0°-90°	760.6	56.5
90°-120°	330.2	24.5
90°-150°	536.2	39.8
90°-180°	586.0	43.5
0°-180°	1346.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1810	
5°	1088	81
15°	204	61
25°	126	59
35°	107	67
45°	101	78
55°	101	91
65°	103	102
75°	104	110
85°	102	84
90°	104	57
95°	105	86
105°	107	112
115°	104	103
125°	98	88
135°	89	69
145°	78	49
155°	67	31
165°	53	15
175°	28	3
180°	18	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1810.3
2.5°	1964.5
5°	1088.2
7.5°	504.7
10°	371.0
12.5°	255.3
15°	203.6
17.5°	173.4
20°	152.4
22.5°	136.7
25°	125.9
27.5°	118.6
30°	113.2
32.5°	109.6
35°	106.6
37.5°	104.2
40°	102.4
42.5°	101.8
45°	101.2
47.5°	100.6
50°	100.6
52.5°	101.2
55°	101.2
57.5°	101.8
60°	101.8
62.5°	102.4
65°	103.0
67.5°	103.6
70°	103.6
72.5°	104.2
75°	104.2
77.5°	103.6
80°	102.4
82.5°	102.4
85°	102.4
87.5°	103.0
90°	103.6
92.5°	104.8
95°	105.4
97.5°	106.0
100°	106.6
102.5°	106.6
105°	106.6
107.5°	106.0
110°	105.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	104.8
115°	103.6
117.5°	102.4
120°	101.2
122.5°	99.4
125°	97.6
127.5°	95.8
130°	93.9
132.5°	91.5
135°	89.1
137.5°	86.7
140°	83.7
142.5°	81.3
145°	78.3
147.5°	75.9
150°	72.9
152.5°	69.9
155°	66.8
157.5°	63.8
160°	60.2
162.5°	57.2
165°	53.0
167.5°	48.2
170°	42.2
172.5°	35.5
175°	27.7
177.5°	20.5
180°	18.1



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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	7.4	8.4	8.2	9.3	10.4	7.4	8.4	8.2	9.3	10.4
	3H	10.2	11.1	11.1	12.0	13.2	10.2	11.1	11.1	12.0	13.2
	4H	11.6	12.5	12.5	13.4	14.6	11.6	12.5	12.5	13.4	14.6
	6H	12.9	13.7	13.8	14.7	15.9	12.9	13.7	13.8	14.7	15.9
	8H	13.5	14.3	14.5	15.3	16.5	13.5	14.3	14.5	15.3	16.5
	12H	14.2	14.9	15.1	15.9	17.1	14.2	14.9	15.1	15.9	17.1
4H	2H	8.1	9.0	9.0	9.9	11.1	8.1	9.0	9.0	9.9	11.1
	3H	11.1	11.9	12.0	12.8	14.1	11.1	11.9	12.0	12.8	14.1
	4H	12.6	13.4	13.6	14.3	15.5	12.6	13.4	13.6	14.3	15.5
	6H	14.1	14.8	15.1	15.8	17.0	14.1	14.8	15.1	15.8	17.0
	8H	14.9	15.5	15.8	16.5	17.7	14.9	15.5	15.8	16.5	17.7
	12H	15.6	16.2	16.6	17.1	18.4	15.6	16.2	16.6	17.1	18.4
8H	4H	13.1	13.7	14.1	14.7	16.0	13.1	13.7	14.1	14.7	16.0
	6H	14.8	15.4	15.8	16.4	17.6	14.8	15.4	15.8	16.4	17.6
	8H	15.7	16.2	16.7	17.2	18.4	15.7	16.2	16.7	17.2	18.4
	12H	16.6	17.0	17.6	18.0	19.3	16.6	17.0	17.6	18.0	19.3
12H	4H	13.2	13.8	14.2	14.8	16.0	13.2	13.8	14.2	14.8	16.0
	6H	15.0	15.5	16.0	16.5	17.8	15.0	15.5	16.0	16.5	17.8
	8H	16.0	16.4	16.9	17.4	18.7	16.0	16.4	16.9	17.4	18.7

(END OF REPORT)