

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: P1245324

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245324
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-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

Summary

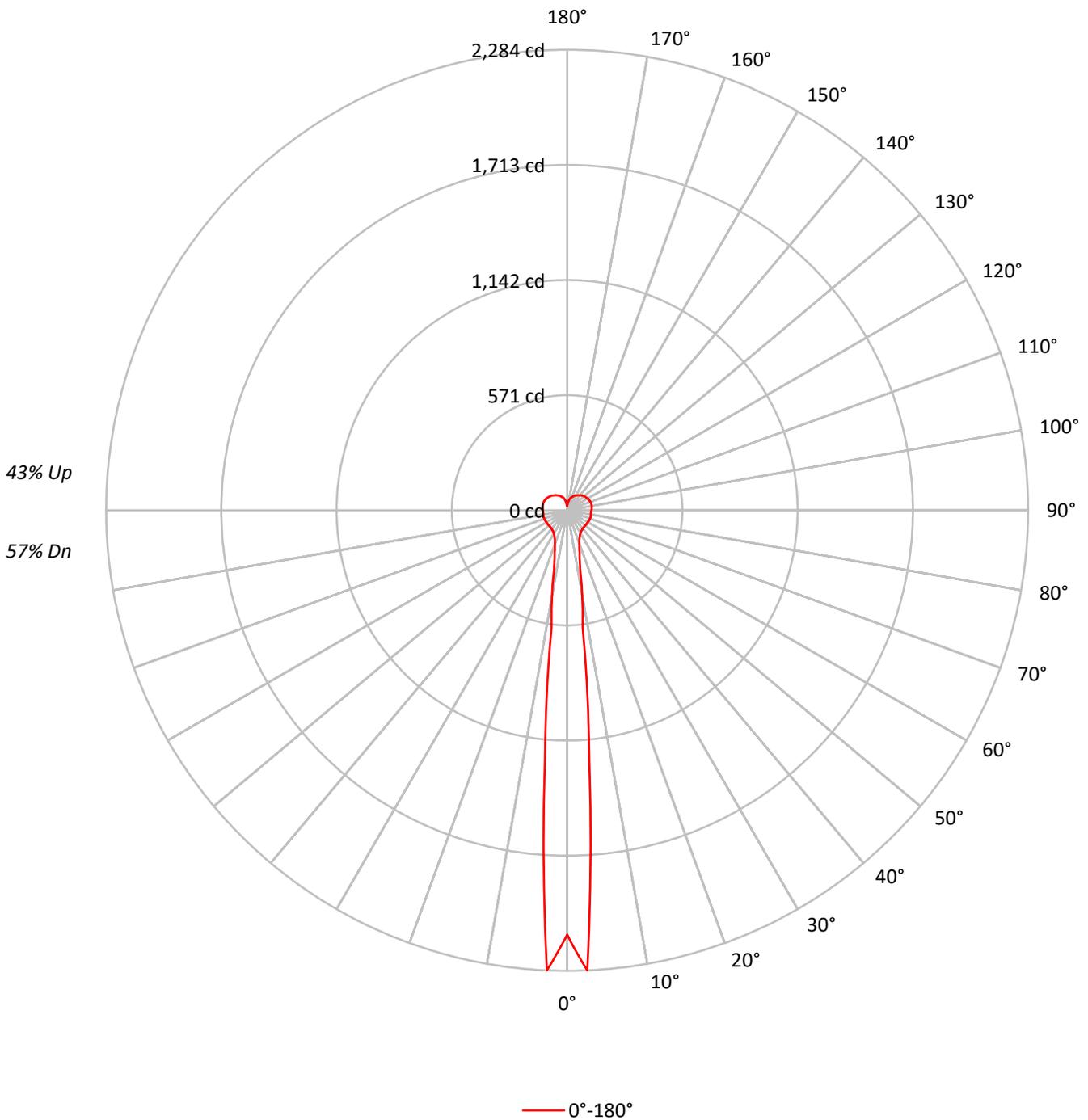
Lumens per Lamp: N/A
Luminaire Lumens: 1564.6 lumens
Efficiency: N/A
Efficacy: 40.3 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 38.8
Input Voltage (V): NR
Input Current (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

TEST NUMBER: P1245324

CATALOG NUMBER: PRLX-UNA-L-930-16L-U-OW

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°	66588
5°	31210
10°	8772
15°	4123
20°	2717
25°	2017
30°	1659
35°	1450
40°	1308
45°	1228
50°	1170
55°	1139
60°	1119
65°	1114
70°	1111
75°	1116
80°	1104
85°	1120

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1228 cd/sqm



TEST NUMBER: P1245324

CATALOG NUMBER: PRLX-UNA-L-930-16L-U-OW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.8	6.0
10°-20°	70.4	4.5
20°-30°	68.5	4.4
30°-40°	78.0	5.0
40°-50°	91.1	5.8
50°-60°	105.7	6.8
60°-70°	118.7	7.6
70°-80°	127.6	8.2
80°-90°	130.2	8.3
90°-100°	133.6	8.5
100°-110°	130.7	8.4
110°-120°	119.5	7.6
120°-130°	101.8	6.5
130°-140°	80.3	5.1
140°-150°	57.4	3.7
150°-160°	36.1	2.3
160°-170°	17.6	1.1
170°-180°	3.6	0.2
0°-30°	232.7	14.9
0°-40°	310.7	19.9
0°-60°	507.5	32.4
0°-90°	884.0	56.5
90°-120°	383.7	24.5
90°-150°	623.3	39.8
90°-180°	681.0	43.5
0°-180°	1564.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2105	
5°	1265	94
15°	237	70
25°	146	69
35°	124	78
45°	118	91
55°	118	106
65°	120	119
75°	121	128
85°	119	97
90°	120	66
95°	122	100
105°	124	131
115°	120	119
125°	113	102
135°	104	80
145°	91	57
155°	78	36
165°	62	18
175°	32	4
180°	21	

TEST NUMBER: P1245324

CATALOG NUMBER: PRLX-UNA-L-930-16L-U-OW

CANDELA DISTRIBUTION (FULL):

0°	
0°	2104.8
2.5°	2284.1
5°	1265.3
7.5°	586.8
10°	431.3
12.5°	296.9
15°	236.7
17.5°	201.7
20°	177.2
22.5°	158.9
25°	146.3
27.5°	137.9
30°	131.6
32.5°	127.4
35°	123.9
37.5°	121.1
40°	119.0
42.5°	118.3
45°	117.6
47.5°	116.9
50°	116.9
52.5°	117.6
55°	117.6
57.5°	118.3
60°	118.3
62.5°	119.0
65°	119.7
67.5°	120.4
70°	120.4
72.5°	121.1
75°	121.1
77.5°	120.4
80°	119.0
82.5°	119.0
85°	119.0
87.5°	119.7
90°	120.4
92.5°	121.8
95°	122.5
97.5°	123.2
100°	123.9
102.5°	123.9
105°	123.9
107.5°	123.2
110°	122.5

TEST NUMBER: P1245324

CATALOG NUMBER: PRLX-UNA-L-930-16L-U-OW

CANDELA DISTRIBUTION (continued):

	0°
112.5°	121.8
115°	120.4
117.5°	119.0
120°	117.6
122.5°	115.5
125°	113.4
127.5°	111.3
130°	109.2
132.5°	106.4
135°	103.6
137.5°	100.8
140°	97.3
142.5°	94.5
145°	91.0
147.5°	88.2
150°	84.7
152.5°	81.2
155°	77.7
157.5°	74.2
160°	70.0
162.5°	66.5
165°	61.6
167.5°	56.0
170°	49.0
172.5°	41.3
175°	32.2
177.5°	23.8
180°	21.0



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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	7.9	8.9	8.8	9.8	11.0	7.9	8.9	8.8	9.8	11.0
	3H	10.7	11.6	11.6	12.6	13.8	10.7	11.6	11.6	12.6	13.8
	4H	12.1	13.0	13.0	13.9	15.1	12.1	13.0	13.0	13.9	15.1
	6H	13.4	14.3	14.4	15.2	16.4	13.4	14.3	14.4	15.2	16.4
	8H	14.1	14.9	15.0	15.8	17.0	14.1	14.9	15.0	15.8	17.0
	12H	14.7	15.5	15.6	16.4	17.6	14.7	15.5	15.6	16.4	17.6
4H	2H	8.6	9.5	9.5	10.4	11.6	8.6	9.5	9.5	10.4	11.6
	3H	11.6	12.4	12.5	13.4	14.6	11.6	12.4	12.5	13.4	14.6
	4H	13.2	13.9	14.1	14.8	16.1	13.2	13.9	14.1	14.8	16.1
	6H	14.7	15.3	15.6	16.3	17.5	14.7	15.3	15.6	16.3	17.5
	8H	15.4	16.0	16.3	17.0	18.2	15.4	16.0	16.3	17.0	18.2
	12H	16.1	16.7	17.1	17.7	18.9	16.1	16.7	17.1	17.7	18.9
8H	4H	13.7	14.3	14.6	15.2	16.5	13.7	14.3	14.6	15.2	16.5
	6H	15.4	15.9	16.3	16.9	18.1	15.4	15.9	16.3	16.9	18.1
	8H	16.2	16.7	17.2	17.7	19.0	16.2	16.7	17.2	17.7	19.0
	12H	17.1	17.6	18.1	18.6	19.9	17.1	17.6	18.1	18.6	19.9
12H	4H	13.8	14.3	14.7	15.3	16.5	13.8	14.3	14.7	15.3	16.5
	6H	15.5	16.0	16.5	17.0	18.3	15.5	16.0	16.5	17.0	18.3
	8H	16.5	16.9	17.5	17.9	19.2	16.5	16.9	17.5	17.9	19.2

(END OF REPORT)