

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: P1245318

Luminaire Tested: PRLX-UNA-L-930-09L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245318
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-930-09L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE
LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

Summary

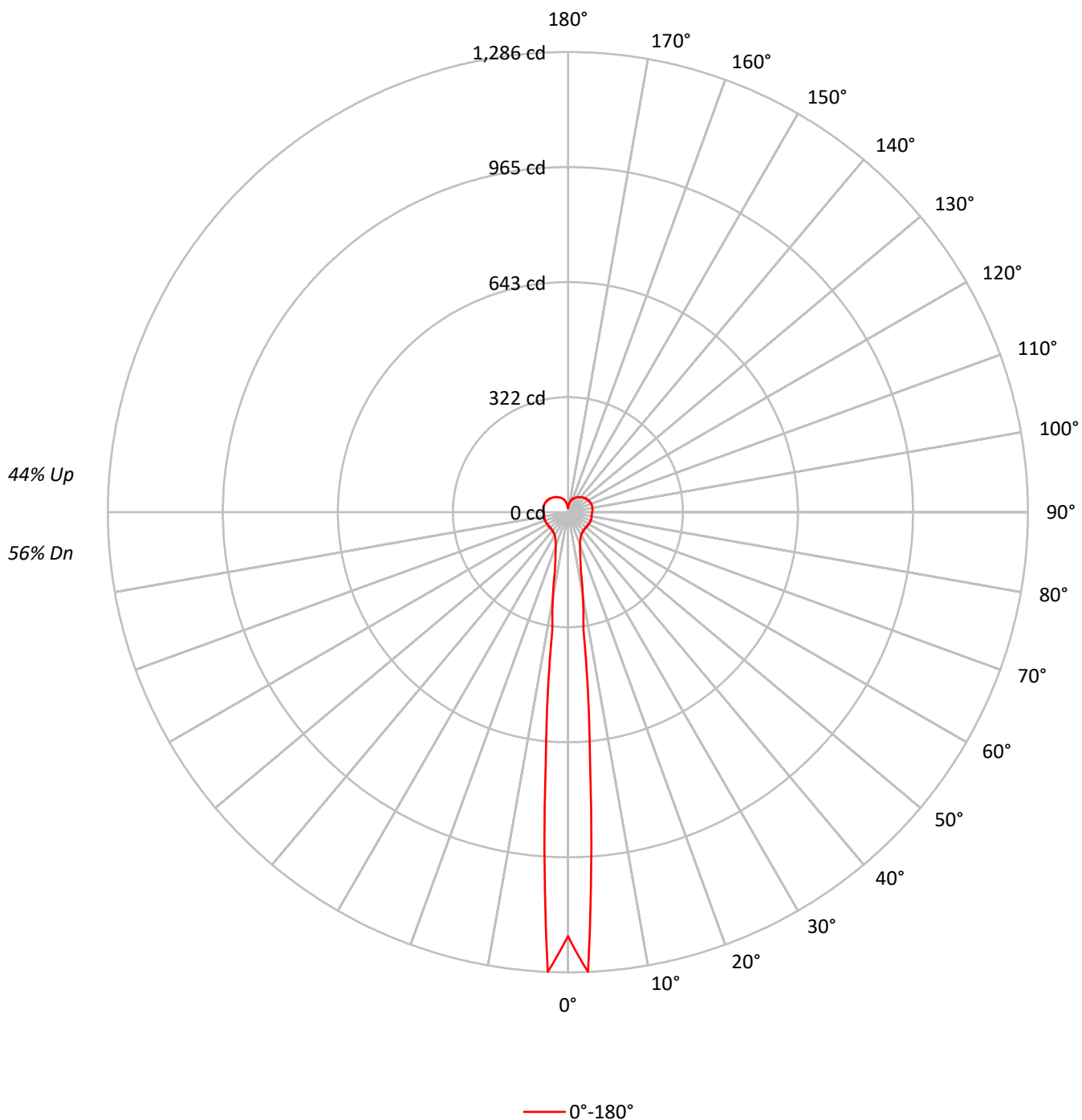
Lumens per Lamp: N/A
Luminaire Lumens: 881.0 lumens
Efficiency: N/A
Efficacy: 39.0 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 22.6
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

TEST NUMBER: P1245318

CATALOG NUMBER: PRLX-UNA-L-930-09L-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			
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°	37486
5°	17570
10°	4938
15°	2320
20°	1528
25°	1136
30°	934
35°	817
40°	736
45°	691
50°	659
55°	641
60°	630
65°	627
70°	625
75°	629
80°	622
85°	631

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 691 cd/sqm

TEST NUMBER: P1245318

CATALOG NUMBER: PRLX-UNA-L-930-09L-U-OW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.8	6.0
10°-20°	39.6	4.5
20°-30°	38.6	4.4
30°-40°	43.9	5.0
40°-50°	51.3	5.8
50°-60°	59.5	6.8
60°-70°	66.9	7.6
70°-80°	71.8	8.2
80°-90°	73.3	8.3
90°-100°	75.2	8.5
100°-110°	73.6	8.4
110°-120°	67.3	7.6
120°-130°	57.3	6.5
130°-140°	45.2	5.1
140°-150°	32.3	3.7
150°-160°	20.3	2.3
160°-170°	9.9	1.1
170°-180°	2.0	0.2
0°-30°	131.0	14.9
0°-40°	174.9	19.9
0°-60°	285.7	32.4
0°-90°	497.7	56.5
90°-120°	216.1	24.5
90°-150°	351.0	39.8
90°-180°	383.0	43.5
0°-180°	881.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1185	
5°	712	53
15°	133	40
25°	82	39
35°	70	44
45°	66	51
55°	66	59
65°	67	67
75°	68	72
85°	67	55
90°	68	37
95°	69	57
105°	70	74
115°	68	67
125°	64	57
135°	58	45
145°	51	32
155°	44	20
165°	35	10
175°	18	2
180°	12	

TEST NUMBER: P1245318

CATALOG NUMBER: PRLX-UNA-L-930-09L-U-OW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1184.9
2.5°	1285.8
5°	712.3
7.5°	330.3
10°	242.8
12.5°	167.1
15°	133.2
17.5°	113.5
20°	99.7
22.5°	89.5
25°	82.4
27.5°	77.7
30°	74.1
32.5°	71.7
35°	69.8
37.5°	68.2
40°	67.0
42.5°	66.6
45°	66.2
47.5°	65.8
50°	65.8
52.5°	66.2
55°	66.2
57.5°	66.6
60°	66.6
62.5°	67.0
65°	67.4
67.5°	67.8
70°	67.8
72.5°	68.2
75°	68.2
77.5°	67.8
80°	67.0
82.5°	67.0
85°	67.0
87.5°	67.4
90°	67.8
92.5°	68.6
95°	69.0
97.5°	69.4
100°	69.8
102.5°	69.8
105°	69.8
107.5°	69.4
110°	69.0

TEST NUMBER: P1245318

CATALOG NUMBER: PRLX-UNA-L-930-09L-U-OW

CANDELA DISTRIBUTION (continued):

	0°
112.5°	68.6
115°	67.8
117.5°	67.0
120°	66.2
122.5°	65.0
125°	63.9
127.5°	62.7
130°	61.5
132.5°	59.9
135°	58.3
137.5°	56.8
140°	54.8
142.5°	53.2
145°	51.2
147.5°	49.7
150°	47.7
152.5°	45.7
155°	43.8
157.5°	41.8
160°	39.4
162.5°	37.4
165°	34.7
167.5°	31.5
170°	27.6
172.5°	23.3
175°	18.1
177.5°	13.4
180°	11.8

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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	5.9	6.9	6.8	7.8	9.0	5.9	6.9	6.8	7.8	9.0
	3H	8.7	9.6	9.6	10.6	11.8	8.7	9.6	9.6	10.6	11.8
	4H	10.1	11.0	11.0	11.9	13.1	10.1	11.0	11.0	11.9	13.1
	6H	11.4	12.3	12.4	13.2	14.4	11.4	12.3	12.4	13.2	14.4
	8H	12.1	12.9	13.0	13.8	15.0	12.1	12.9	13.0	13.8	15.0
	12H	12.7	13.5	13.6	14.4	15.7	12.7	13.5	13.6	14.4	15.7
4H	2H	6.6	7.5	7.5	8.4	9.6	6.6	7.5	7.5	8.4	9.6
	3H	9.6	10.4	10.6	11.4	12.6	9.6	10.4	10.6	11.4	12.6
	4H	11.2	11.9	12.1	12.8	14.1	11.2	11.9	12.1	12.8	14.1
	6H	12.7	13.3	13.6	14.3	15.5	12.7	13.3	13.6	14.3	15.5
	8H	13.4	14.0	14.3	15.0	16.2	13.4	14.0	14.3	15.0	16.2
	12H	14.1	14.7	15.1	15.7	16.9	14.1	14.7	15.1	15.7	16.9
8H	4H	11.7	12.3	12.6	13.2	14.5	11.7	12.3	12.6	13.2	14.5
	6H	13.4	13.9	14.3	14.9	16.1	13.4	13.9	14.3	14.9	16.1
	8H	14.2	14.7	15.2	15.7	17.0	14.2	14.7	15.2	15.7	17.0
	12H	15.2	15.6	16.1	16.6	17.9	15.2	15.6	16.1	16.6	17.9
12H	4H	11.8	12.3	12.7	13.3	14.6	11.8	12.3	12.7	13.3	14.6
	6H	13.5	14.0	14.5	15.0	16.3	13.5	14.0	14.5	15.0	16.3
	8H	14.5	14.9	15.5	15.9	17.2	14.5	14.9	15.5	15.9	17.2

(END OF REPORT)