

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: P1245078

Luminaire Tested: PRLX-NIM-L-935-12L-U-WO

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245078
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-NIM-L-935-12L-U-WO
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, WOVEN OVAL SHADE TEXTURE LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

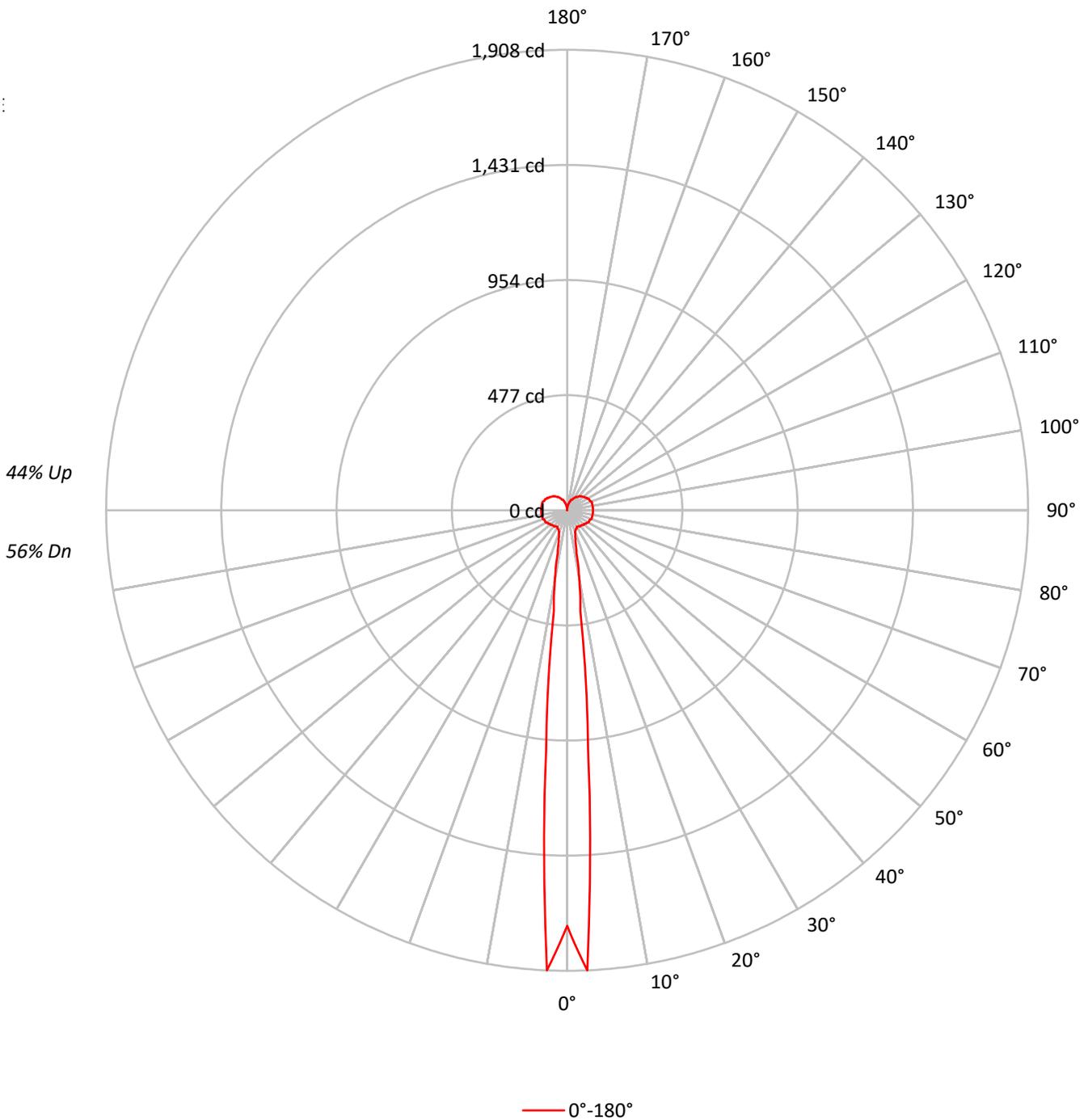
Lumens per Lamp: N/A
Luminaire Lumens: 1244.0 lumens
Efficiency: N/A
Efficacy: 40.8 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 30.5
Input Voltage (V): NR
Input Current (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: P1245078

CATALOG NUMBER: PRLX-NIM-L-935-12L-U-WO

Luminous Intensity Polar Plot





TEST NUMBER: P1245078

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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	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	56
1	95	89	83	78	87	82	77	73	70	66	62	58	55	53	48	45	43	38
2	85	76	68	61	78	70	63	57	59	54	49	49	45	42	40	37	34	30
3	77	66	57	50	71	61	53	47	52	45	40	43	38	34	35	31	28	24
4	71	58	49	42	65	54	46	40	46	39	34	38	33	29	31	27	24	20
5	65	52	43	36	60	48	40	34	41	35	30	34	29	25	28	24	21	18
6	60	47	38	32	55	44	36	30	37	31	26	31	26	22	26	22	19	16
7	56	43	34	28	51	40	32	27	34	28	23	29	24	20	24	20	17	15
8	52	39	31	25	48	36	29	24	32	25	21	27	22	18	23	19	16	13
9	49	36	28	23	45	34	27	22	29	23	19	25	20	17	21	17	15	12
10	46	33	26	21	43	31	25	20	27	22	18	24	19	16	20	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	54456
5°	24656
10°	5872
15°	2327
20°	1475
25°	1179
30°	1011
35°	938
40°	940
45°	893
50°	910
55°	932
60°	961
65°	945
70°	986
75°	985
80°	992
85°	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1029 cd/sqm

TEST NUMBER: P1245078

CATALOG NUMBER: PRLX-NIM-L-935-12L-U-WO

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.0	5.9
10°-20°	41.5	3.3
20°-30°	40.3	3.2
30°-40°	51.7	4.2
40°-50°	67.9	5.5
50°-60°	85.2	6.9
60°-70°	101.5	8.2
70°-80°	113.1	9.1
80°-90°	116.6	9.4
90°-100°	116.6	9.4
100°-110°	113.1	9.1
110°-120°	100.9	8.1
120°-130°	82.8	6.7
130°-140°	63.2	5.1
140°-150°	42.6	3.4
150°-160°	23.4	1.9
160°-170°	9.4	0.8
170°-180°	1.1	0.1
0°-30°	154.8	12.4
0°-40°	206.5	16.6
0°-60°	359.6	28.9
0°-90°	690.8	55.5
90°-120°	330.6	26.6
90°-150°	519.2	41.7
90°-180°	553.0	44.5
0°-180°	1244.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1721	
5°	1000	73
15°	134	41
25°	86	40
35°	80	52
45°	86	68
55°	96	85
65°	102	102
75°	107	113
85°	107	87
90°	107	59
95°	107	87
105°	107	113
115°	102	101
125°	91	83
135°	80	63
145°	70	43
155°	48	23
165°	32	9
175°	5	1
180°	0	

TEST NUMBER: P1245078

CATALOG NUMBER: PRLX-NIM-L-935-12L-U-WO

CANDELA DISTRIBUTION (FULL):

0°	
0°	1721.3
2.5°	1908.4
5°	999.6
7.5°	422.3
10°	288.7
12.5°	181.8
15°	133.6
17.5°	112.3
20°	96.2
22.5°	90.9
25°	85.5
27.5°	85.5
30°	80.2
32.5°	80.2
35°	80.2
37.5°	85.5
40°	85.5
42.5°	85.5
45°	85.5
47.5°	90.9
50°	90.9
52.5°	90.9
55°	96.2
57.5°	96.2
60°	101.6
62.5°	101.6
65°	101.6
67.5°	101.6
70°	106.9
72.5°	106.9
75°	106.9
77.5°	106.9
80°	106.9
82.5°	106.9
85°	106.9
87.5°	106.9
90°	106.9
92.5°	106.9
95°	106.9
97.5°	106.9
100°	106.9
102.5°	106.9
105°	106.9
107.5°	106.9
110°	106.9

TEST NUMBER: P1245078

CATALOG NUMBER: PRLX-NIM-L-935-12L-U-WO

CANDELA DISTRIBUTION (continued):

	0°
112.5°	101.6
115°	101.6
117.5°	101.6
120°	96.2
122.5°	96.2
125°	90.9
127.5°	90.9
130°	85.5
132.5°	85.5
135°	80.2
137.5°	80.2
140°	74.8
142.5°	69.5
145°	69.5
147.5°	64.1
150°	58.8
152.5°	53.5
155°	48.1
157.5°	48.1
160°	42.8
162.5°	37.4
165°	32.1
167.5°	26.7
170°	21.4
172.5°	16.0
175°	5.3
177.5°	0.0
180°	0.0



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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	7.2	8.2	8.1	9.2	10.3	7.2	8.2	8.1	9.2	10.3
	3H	10.3	11.2	11.2	12.1	13.4	10.3	11.2	11.2	12.1	13.4
	4H	11.8	12.7	12.7	13.6	14.8	11.8	12.7	12.7	13.6	14.8
	6H	13.2	14.1	14.1	15.0	16.2	13.2	14.1	14.1	15.0	16.2
	8H	13.9	14.7	14.8	15.7	16.9	13.9	14.7	14.8	15.7	16.9
	12H	14.5	15.3	15.5	16.3	17.5	14.5	15.3	15.5	16.3	17.5
4H	2H	8.0	8.9	8.9	9.8	11.1	8.0	8.9	8.9	9.8	11.1
	3H	11.3	12.1	12.2	13.0	14.2	11.3	12.1	12.2	13.0	14.2
	4H	12.9	13.6	13.8	14.6	15.8	12.9	13.6	13.8	14.6	15.8
	6H	14.5	15.1	15.4	16.1	17.4	14.5	15.1	15.4	16.1	17.4
	8H	15.3	15.9	16.2	16.8	18.1	15.3	15.9	16.2	16.8	18.1
	12H	16.0	16.6	17.0	17.6	18.8	16.0	16.6	17.0	17.6	18.8
8H	4H	13.4	14.0	14.4	15.0	16.3	13.4	14.0	14.4	15.0	16.3
	6H	15.2	15.7	16.2	16.8	18.0	15.2	15.7	16.2	16.8	18.0
	8H	16.1	16.6	17.1	17.6	18.9	16.1	16.6	17.1	17.6	18.9
	12H	17.1	17.5	18.0	18.5	19.8	17.1	17.5	18.0	18.5	19.8
12H	4H	13.5	14.1	14.5	15.1	16.4	13.5	14.1	14.5	15.1	16.4
	6H	15.4	15.9	16.4	16.9	18.2	15.4	15.9	16.4	16.9	18.2
	8H	16.4	16.8	17.4	17.8	19.1	16.4	16.8	17.4	17.8	19.1

(END OF REPORT)