

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: P1244838

Luminaire Tested: PRLX-MIN-L-935-09L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244838
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-MIN-L-935-09L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE
LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

Summary

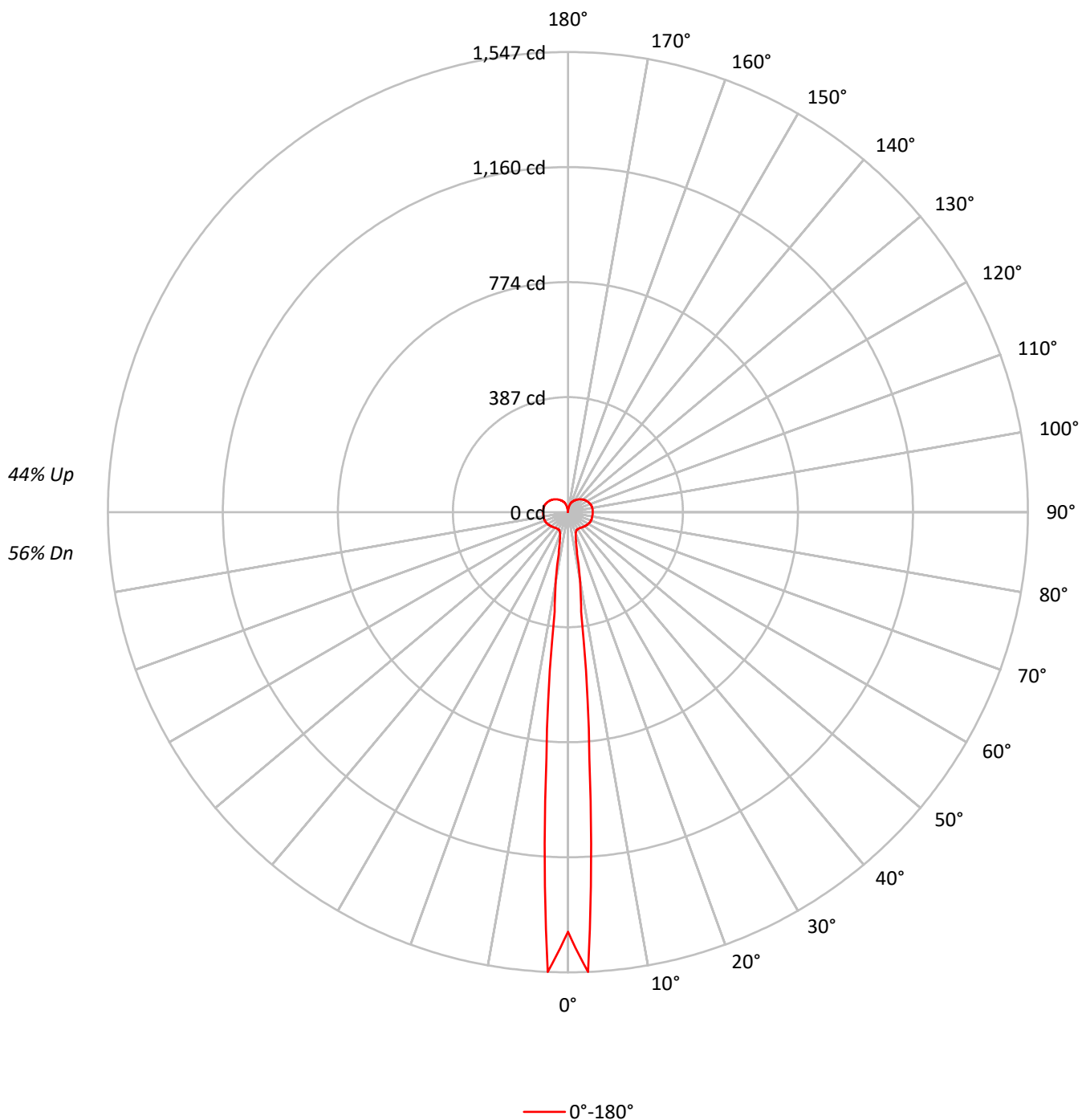
Lumens per Lamp: N/A
Luminaire Lumens: 972.9 lumens
Efficiency: N/A
Efficacy: 43.0 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 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: P1244838

CATALOG NUMBER: PRLX-MIN-L-935-09L-U-OW

Luminous Intensity Polar Plot



TEST NUMBER: P1244838

CATALOG NUMBER: PRLX-MIN-L-935-09L-U-OW

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	
RCR																						
0	109	109	109	109		101	101	101	101		87	87	87		74	74	74		62	62	62	
1	95	89	83	78		88	82	77	73		70	66	63		59	56	53		48	46	44	
2	85	76	68	62		79	70	63	58		60	54	50		50	46	42		41	38	35	
3	77	66	57	50		71	61	53	47		52	46	41		43	39	35		36	32	29	
4	71	58	49	42		65	54	46	40		46	40	35		39	34	30		32	28	25	
5	65	52	43	37		60	48	40	34		41	35	30		35	30	26		29	25	22	
6	60	47	38	32		55	44	36	30		38	31	26		32	27	23		27	22	19	
7	56	43	34	28		52	40	32	27		35	28	24		29	24	21		25	21	18	
8	52	39	31	25		48	37	29	24		32	26	21		27	22	19		23	19	16	
9	49	36	28	23		45	34	27	22		30	24	20		26	21	17		22	18	15	
10	46	34	26	21		43	32	25	20		28	22	18		24	19	16		21	17	14	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	44620
5°	20461
10°	4770
15°	1820
20°	1176
25°	936
30°	832
35°	777
40°	752
45°	739
50°	734
55°	738
60°	744
65°	754
70°	762
75°	770
80°	770
85°	786

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 90°
Luminance: 804 cd/sqm

TEST NUMBER: P1244838

CATALOG NUMBER: PRLX-MIN-L-935-09L-U-OW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.5	6.1
10°-20°	32.8	3.4
20°-30°	31.9	3.3
30°-40°	41.9	4.3
40°-50°	54.9	5.6
50°-60°	68.4	7.0
60°-70°	80.4	8.3
70°-80°	87.9	9.0
80°-90°	90.9	9.3
90°-100°	91.0	9.4
100°-110°	86.6	8.9
110°-120°	76.6	7.9
120°-130°	63.1	6.5
130°-140°	47.6	4.9
140°-150°	32.2	3.3
150°-160°	18.8	1.9
160°-170°	7.8	0.8
170°-180°	0.8	0.1
0°-30°	124.2	12.8
0°-40°	166.0	17.1
0°-60°	289.3	29.7
0°-90°	548.5	56.4
90°-120°	254.2	26.1
90°-150°	397.1	40.8
90°-180°	424.0	43.6
0°-180°	972.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1410	
5°	830	59
15°	104	33
25°	68	32
35°	66	42
45°	71	55
55°	76	68
65°	81	80
75°	84	88
85°	84	68
90°	84	46
95°	84	68
105°	82	87
115°	77	77
125°	70	63
135°	62	48
145°	51	32
155°	40	19
165°	27	8
175°	4	1
180°	0	

TEST NUMBER: P1244838

CATALOG NUMBER: PRLX-MIN-L-935-09L-U-OW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1410.4
2.5°	1547.2
5°	829.5
7.5°	337.6
10°	234.5
12.5°	143.6
15°	104.5
17.5°	87.0
20°	76.7
22.5°	71.3
25°	67.9
27.5°	66.4
30°	66.0
32.5°	66.0
35°	66.4
37.5°	66.9
40°	68.4
42.5°	69.4
45°	70.8
47.5°	72.3
50°	73.3
52.5°	74.7
55°	76.2
57.5°	77.7
60°	78.7
62.5°	80.1
65°	81.1
67.5°	82.1
70°	82.6
72.5°	83.0
75°	83.5
77.5°	83.0
80°	83.0
82.5°	83.0
85°	83.5
87.5°	83.5
90°	83.5
92.5°	83.5
95°	83.5
97.5°	83.5
100°	83.0
102.5°	82.6
105°	82.1
107.5°	81.1
110°	80.1

TEST NUMBER: P1244838

CATALOG NUMBER: PRLX-MIN-L-935-09L-U-OW

CANDELA DISTRIBUTION (continued):

	0°
112.5°	78.7
115°	77.2
117.5°	75.7
120°	73.8
122.5°	72.3
125°	70.3
127.5°	68.4
130°	66.0
132.5°	64.0
135°	61.6
137.5°	58.6
140°	56.2
142.5°	53.7
145°	50.8
147.5°	48.4
150°	45.9
152.5°	43.0
155°	40.5
157.5°	37.6
160°	34.7
162.5°	31.3
165°	27.4
167.5°	22.0
170°	15.1
172.5°	9.3
175°	3.9
177.5°	1.0
180°	0.5

TEST NUMBER: P1244838

CATALOG NUMBER: PRLX-MIN-L-935-09L-U-OW

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	6.6	7.6	7.5	8.5	9.7	6.6	7.6	7.5	8.5	9.7
	3H	9.6	10.5	10.5	11.5	12.6	9.6	10.5	10.5	11.5	12.6
	4H	11.0	11.9	11.9	12.9	14.0	11.0	11.9	11.9	12.9	14.0
	6H	12.4	13.3	13.3	14.2	15.4	12.4	13.3	13.3	14.2	15.4
	8H	13.1	13.9	14.0	14.8	16.0	13.1	13.9	14.0	14.8	16.0
	12H	13.7	14.5	14.6	15.5	16.7	13.7	14.5	14.6	15.5	16.7
4H	2H	7.3	8.3	8.3	9.2	10.4	7.3	8.3	8.3	9.2	10.4
	3H	10.5	11.3	11.4	12.3	13.5	10.5	11.3	11.4	12.3	13.5
	4H	12.1	12.8	13.0	13.8	15.0	12.1	12.8	13.0	13.8	15.0
	6H	13.7	14.3	14.6	15.3	16.5	13.7	14.3	14.6	15.3	16.5
	8H	14.4	15.0	15.4	16.0	17.3	14.4	15.0	15.4	16.0	17.3
	12H	15.2	15.8	16.1	16.7	18.0	15.2	15.8	16.1	16.7	18.0
8H	4H	12.6	13.2	13.6	14.2	15.5	12.6	13.2	13.6	14.2	15.5
	6H	14.4	14.9	15.3	15.9	17.2	14.4	14.9	15.3	15.9	17.2
	8H	15.3	15.8	16.2	16.8	18.0	15.3	15.8	16.2	16.8	18.0
	12H	16.2	16.6	17.2	17.6	18.9	16.2	16.6	17.2	17.6	18.9
12H	4H	12.7	13.3	13.7	14.3	15.5	12.7	13.3	13.7	14.3	15.5
	6H	14.6	15.0	15.5	16.0	17.3	14.6	15.0	15.5	16.0	17.3
	8H	15.5	16.0	16.5	17.0	18.3	15.5	16.0	16.5	17.0	18.3

(END OF REPORT)