

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: P1244813

Luminaire Tested: PRLX-MIN-L-930-09L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244813
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-930-09L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTURE
LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

Summary

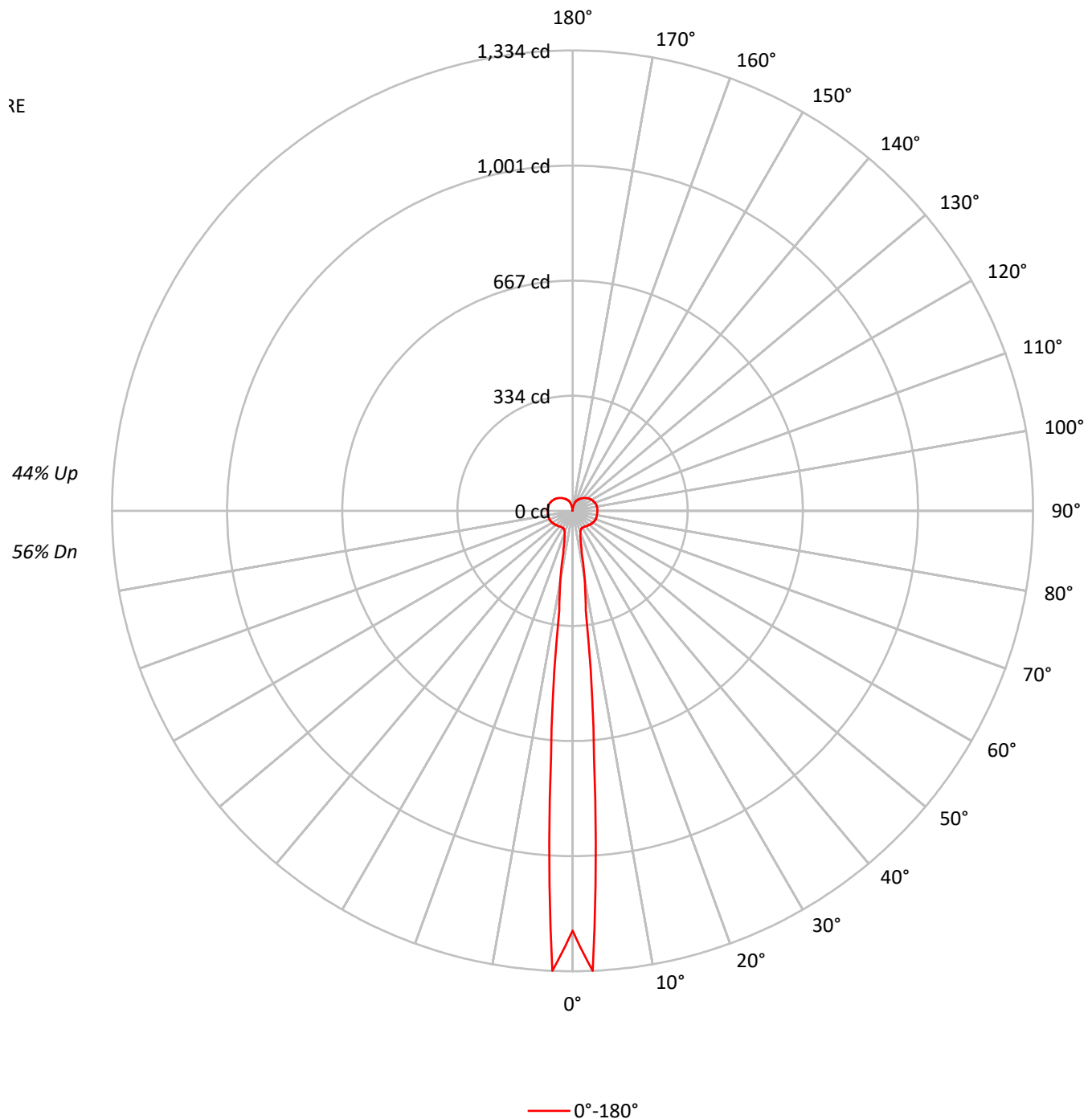
Lumens per Lamp: N/A
Luminaire Lumens: 839.0 lumens
Efficiency: N/A
Efficacy: 37.1 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

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

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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
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°	38473
5°	17644
10°	4113
15°	1569
20°	1013
25°	808
30°	717
35°	670
40°	649
45°	638
50°	633
55°	637
60°	641
65°	650
70°	657
75°	664
80°	664
85°	678

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 90°
Luminance: 693 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.3	6.1
10°-20°	28.2	3.4
20°-30°	27.5	3.3
30°-40°	36.1	4.3
40°-50°	47.3	5.6
50°-60°	59.0	7.0
60°-70°	69.3	8.3
70°-80°	75.8	9.0
80°-90°	78.4	9.3
90°-100°	78.5	9.4
100°-110°	74.7	8.9
110°-120°	66.1	7.9
120°-130°	54.4	6.5
130°-140°	41.0	4.9
140°-150°	27.7	3.3
150°-160°	16.2	1.9
160°-170°	6.7	0.8
170°-180°	0.7	0.1
0°-30°	107.1	12.8
0°-40°	143.2	17.1
0°-60°	249.5	29.7
0°-90°	473.0	56.4
90°-120°	219.2	26.1
90°-150°	342.4	40.8
90°-180°	366.0	43.6
0°-180°	839.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1216	
5°	715	51
15°	90	28
25°	59	28
35°	57	36
45°	61	47
55°	66	59
65°	70	69
75°	72	76
85°	72	59
90°	72	39
95°	72	59
105°	71	75
115°	67	66
125°	61	54
135°	53	41
145°	44	28
155°	35	16
165°	24	7
175°	3	1
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1216.1
2.5°	1334.1
5°	715.3
7.5°	291.1
10°	202.2
12.5°	123.8
15°	90.1
17.5°	75.0
20°	66.1
22.5°	61.5
25°	58.6
27.5°	57.3
30°	56.9
32.5°	56.9
35°	57.3
37.5°	57.7
40°	59.0
42.5°	59.8
45°	61.1
47.5°	62.3
50°	63.2
52.5°	64.5
55°	65.7
57.5°	67.0
60°	67.8
62.5°	69.1
65°	69.9
67.5°	70.8
70°	71.2
72.5°	71.6
75°	72.0
77.5°	71.6
80°	71.6
82.5°	71.6
85°	72.0
87.5°	72.0
90°	72.0
92.5°	72.0
95°	72.0
97.5°	72.0
100°	71.6
102.5°	71.2
105°	70.8
107.5°	69.9
110°	69.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	67.8
115°	66.6
117.5°	65.3
120°	63.6
122.5°	62.3
125°	60.7
127.5°	59.0
130°	56.9
132.5°	55.2
135°	53.1
137.5°	50.5
140°	48.4
142.5°	46.3
145°	43.8
147.5°	41.7
150°	39.6
152.5°	37.1
155°	35.0
157.5°	32.4
160°	29.9
162.5°	27.0
165°	23.6
167.5°	19.0
170°	13.1
172.5°	8.0
175°	3.4
177.5°	0.8
180°	0.4

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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	6.1	7.1	6.9	8.0	9.2	6.1	7.1	6.9	8.0	9.2
	3H	9.1	10.0	9.9	10.9	12.1	9.1	10.0	9.9	10.9	12.1
	4H	10.5	11.4	11.4	12.3	13.5	10.5	11.4	11.4	12.3	13.5
	6H	11.9	12.7	12.8	13.7	14.9	11.9	12.7	12.8	13.7	14.9
	8H	12.6	13.4	13.5	14.3	15.5	12.6	13.4	13.5	14.3	15.5
	12H	13.2	14.0	14.1	14.9	16.2	13.2	14.0	14.1	14.9	16.2
4H	2H	6.8	7.7	7.7	8.7	9.9	6.8	7.7	7.7	8.7	9.9
	3H	10.0	10.8	10.9	11.8	13.0	10.0	10.8	10.9	11.8	13.0
	4H	11.6	12.3	12.5	13.3	14.5	11.6	12.3	12.5	13.3	14.5
	6H	13.1	13.8	14.1	14.8	16.0	13.1	13.8	14.1	14.8	16.0
	8H	13.9	14.5	14.8	15.5	16.8	13.9	14.5	14.8	15.5	16.8
	12H	14.7	15.2	15.6	16.2	17.5	14.7	15.2	15.6	16.2	17.5
8H	4H	12.1	12.7	13.0	13.7	14.9	12.1	12.7	13.0	13.7	14.9
	6H	13.9	14.4	14.8	15.4	16.7	13.9	14.4	14.8	15.4	16.7
	8H	14.8	15.2	15.7	16.2	17.5	14.8	15.2	15.7	16.2	17.5
	12H	15.7	16.1	16.7	17.1	18.4	15.7	16.1	16.7	17.1	18.4
12H	4H	12.2	12.8	13.2	13.8	15.0	12.2	12.8	13.2	13.8	15.0
	6H	14.0	14.5	15.0	15.5	16.8	14.0	14.5	15.0	15.5	16.8
	8H	15.0	15.5	16.0	16.5	17.8	15.0	15.5	16.0	16.5	17.8

(END OF REPORT)