

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: P1244921

Luminaire Tested: PRLX-MIN-M-935-07L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244921
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-MIN-M-935-07L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, NATURAL LINES SHADE TEXT LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

Summary

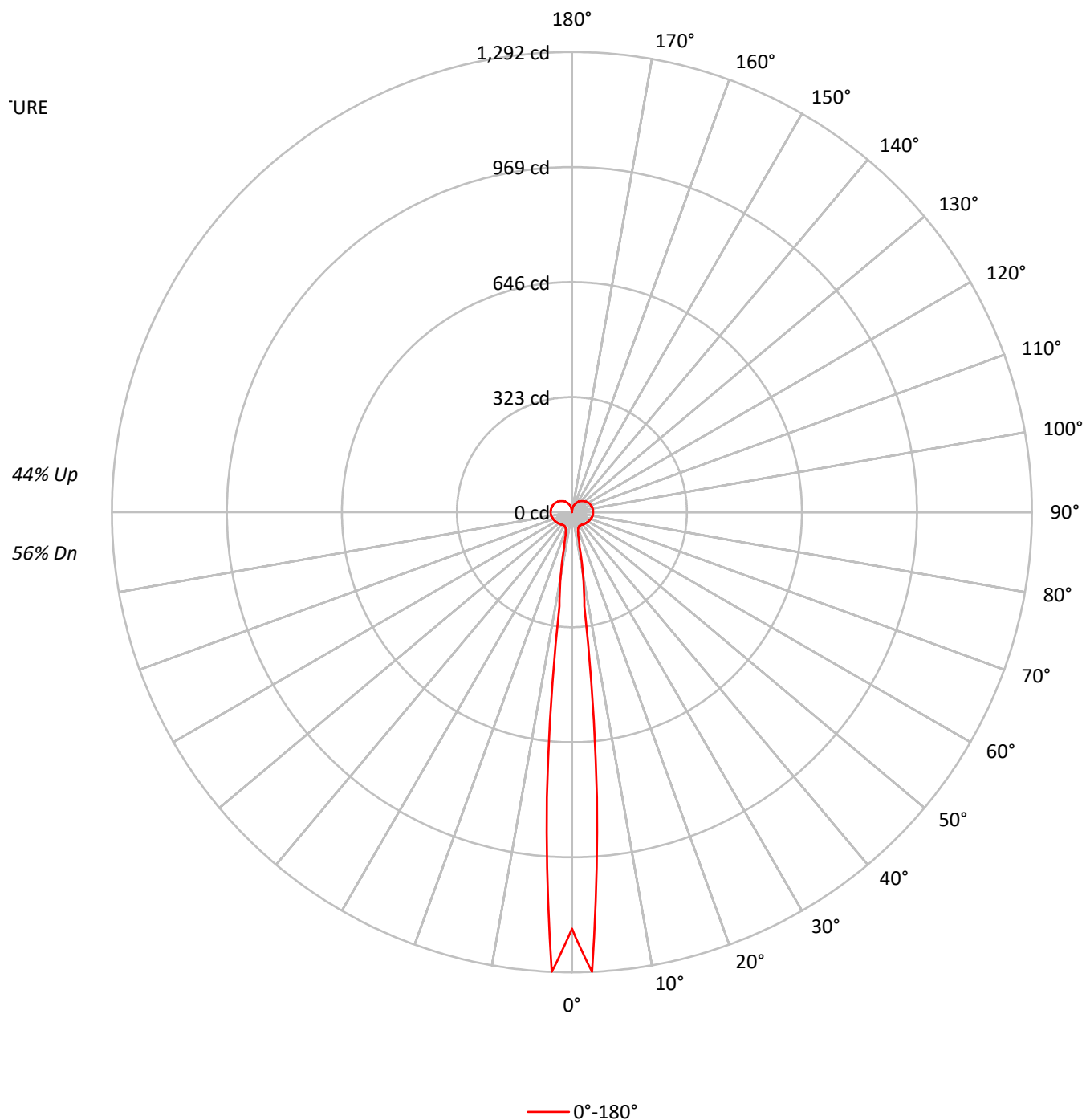
Lumens per Lamp: N/A
Luminaire Lumens: 688.0 lumens
Efficiency: N/A
Efficacy: 23.8 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 28.9
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	84	79		88	82	78	73		70	66	63		59	56	53		48	46	44	
2	86	76	69	62		79	71	64	58		60	55	50		50	46	42		41	38	35	
3	78	67	58	51		71	62	54	48		52	46	41		44	39	35		36	32	29	
4	71	59	50	43		65	55	47	41		47	40	35		39	34	30		32	28	25	
5	66	53	44	37		60	49	41	35		42	36	31		36	31	27		29	26	22	
6	61	48	39	33		56	45	37	31		38	32	27		33	28	24		27	23	20	
7	57	44	35	29		52	41	33	28		35	29	25		30	25	22		25	21	19	
8	53	40	32	27		49	38	30	25		33	27	22		28	23	20		24	20	17	
9	50	37	29	24		46	35	28	23		31	25	21		26	22	18		23	19	16	
10	47	35	27	22		44	33	26	21		29	23	19		25	20	17		21	18	15	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	59918
5°	30288
10°	5427
15°	1726
20°	1081
25°	876
30°	763
35°	701
40°	678
45°	664
50°	655
55°	652
60°	654
65°	662
70°	673
75°	689
80°	701
85°	717

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 90°
Luminance: 729 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.5	7.5
10°-20°	22.5	3.3
20°-30°	21.2	3.1
30°-40°	27.9	4.1
40°-50°	36.8	5.3
50°-60°	45.7	6.6
60°-70°	54.0	7.8
70°-80°	61.1	8.9
80°-90°	64.8	9.4
90°-100°	64.8	9.4
100°-110°	61.4	8.9
110°-120°	54.7	8.0
120°-130°	45.1	6.6
130°-140°	34.2	5.0
140°-150°	23.3	3.4
150°-160°	13.2	1.9
160°-170°	5.2	0.8
170°-180°	0.5	0.1
0°-30°	95.2	13.8
0°-40°	123.2	17.9
0°-60°	205.6	29.9
0°-90°	385.5	56.0
90°-120°	181.0	26.3
90°-150°	283.6	41.2
90°-180°	302.0	43.9
0°-180°	688.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1169	
5°	804	51
15°	69	23
25°	46	21
35°	44	28
45°	48	37
55°	51	46
65°	54	54
75°	58	61
85°	60	49
90°	60	33
95°	60	49
105°	58	61
115°	55	55
125°	50	45
135°	44	34
145°	37	23
155°	28	13
165°	18	5
175°	2	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1169.2
2.5°	1291.7
5°	804.2
7.5°	266.6
10°	181.2
12.5°	99.2
15°	69.0
17.5°	57.0
20°	50.0
22.5°	47.5
25°	45.7
27.5°	44.0
30°	44.0
32.5°	44.0
35°	44.0
37.5°	44.9
40°	45.7
42.5°	46.6
45°	47.5
47.5°	48.3
50°	49.2
52.5°	50.0
55°	50.9
57.5°	51.8
60°	52.6
62.5°	53.5
65°	54.4
67.5°	55.2
70°	56.1
72.5°	57.0
75°	57.8
77.5°	58.7
80°	58.7
82.5°	59.5
85°	59.5
87.5°	59.5
90°	59.5
92.5°	59.5
95°	59.5
97.5°	59.5
100°	58.7
102.5°	58.7
105°	57.8
107.5°	57.8
110°	57.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	56.1
115°	55.2
117.5°	54.4
120°	52.6
122.5°	51.8
125°	50.0
127.5°	49.2
130°	47.5
132.5°	45.7
135°	44.0
137.5°	42.3
140°	40.6
142.5°	38.8
145°	37.1
147.5°	35.4
150°	32.8
152.5°	30.2
155°	28.5
157.5°	25.9
160°	23.3
162.5°	21.6
165°	18.1
167.5°	14.7
170°	10.4
172.5°	6.0
175°	1.7
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	5.9	6.9	6.8	7.8	9.0	5.9	6.9	6.8	7.8	9.0
	3H	8.9	9.9	9.8	10.8	12.0	8.9	9.9	9.8	10.8	12.0
	4H	10.4	11.3	11.3	12.3	13.5	10.4	11.3	11.3	12.3	13.5
	6H	11.9	12.8	12.8	13.7	14.9	11.9	12.8	12.8	13.7	14.9
	8H	12.6	13.4	13.5	14.4	15.6	12.6	13.4	13.5	14.4	15.6
	12H	13.3	14.1	14.2	15.0	16.3	13.3	14.1	14.2	15.0	16.3
4H	2H	6.7	7.6	7.6	8.5	9.7	6.7	7.6	7.6	8.5	9.7
	3H	9.9	10.7	10.8	11.6	12.9	9.9	10.7	10.8	11.6	12.9
	4H	11.5	12.3	12.5	13.2	14.5	11.5	12.3	12.5	13.2	14.5
	6H	13.2	13.8	14.1	14.8	16.1	13.2	13.8	14.1	14.8	16.1
	8H	14.0	14.6	14.9	15.6	16.8	14.0	14.6	14.9	15.6	16.8
	12H	14.8	15.3	15.7	16.3	17.6	14.8	15.3	15.7	16.3	17.6
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	14.9	15.5	16.7	13.9	14.4	14.9	15.5	16.7
	8H	14.9	15.3	15.8	16.3	17.6	14.9	15.3	15.8	16.3	17.6
	12H	15.8	16.3	16.8	17.3	18.6	15.8	16.3	16.8	17.3	18.6
12H	4H	12.2	12.8	13.1	13.7	15.0	12.2	12.8	13.1	13.7	15.0
	6H	14.1	14.6	15.1	15.6	16.9	14.1	14.6	15.1	15.6	16.9
	8H	15.1	15.6	16.1	16.6	17.9	15.1	15.6	16.1	16.6	17.9

(END OF REPORT)