

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: P1244883

Luminaire Tested: PRLX-MIN-M-927-03L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244883
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-927-03L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, OPEN WEAVE SHADE TEXTU
LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

Summary

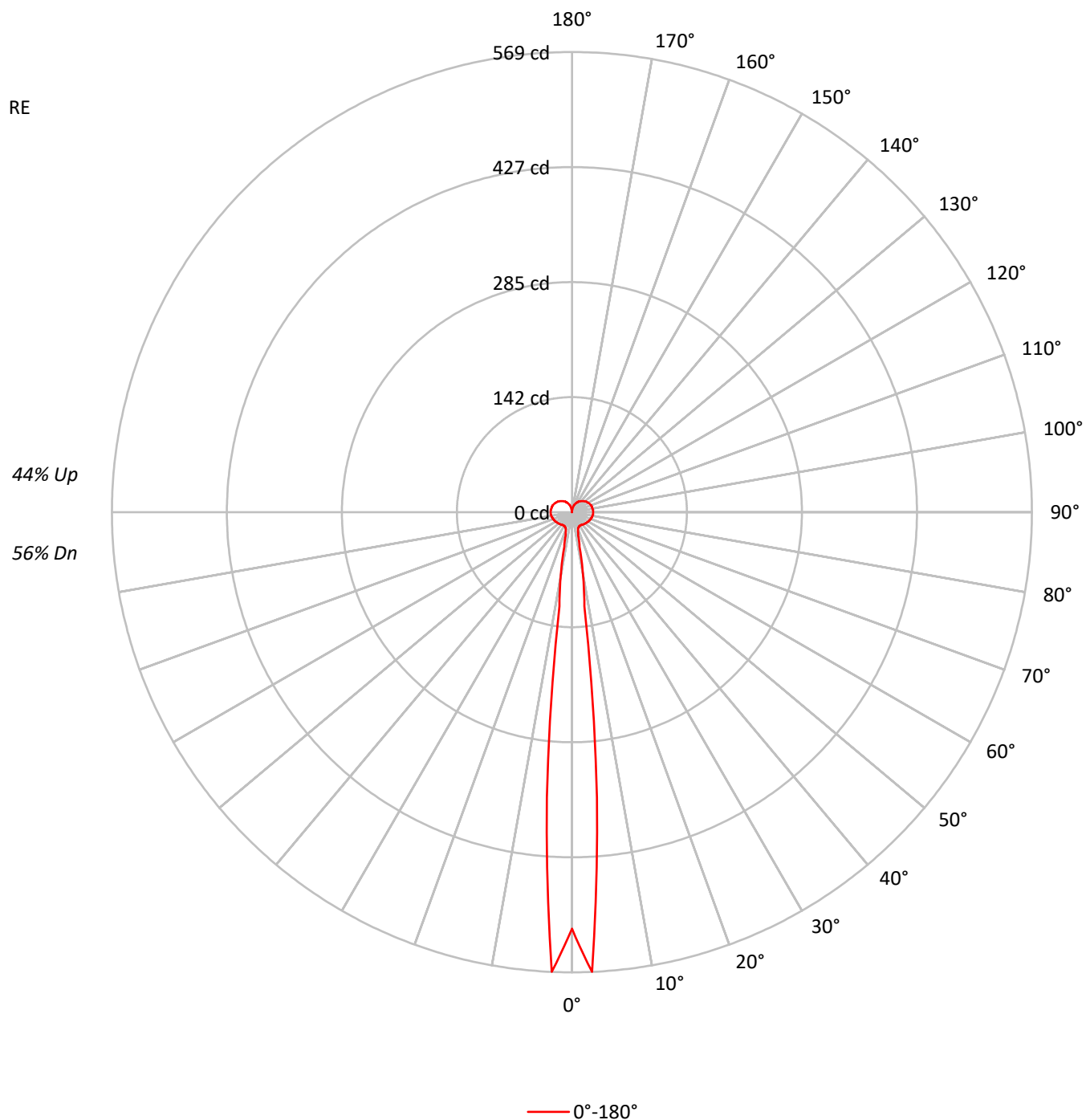
Lumens per Lamp: N/A
Luminaire Lumens: 302.9 lumens
Efficiency: N/A
Efficacy: 27.3 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 11.1
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
RCR																	
0	109	109	109	109	101	101	101	101	87	87	87		74	74	74		62
1	95	89	84	79	88	82	78	73	70	66	63		59	56	53		48
2	86	76	69	62	79	71	64	58	60	55	50		50	46	42		41
3	78	67	58	51	71	62	54	48	52	46	41		44	39	35		36
4	71	59	50	43	65	55	47	41	47	40	35		39	34	30		32
5	66	53	44	37	60	49	41	35	42	36	31		36	31	27		29
6	61	48	39	33	56	45	37	31	38	32	27		33	28	24		27
7	57	44	35	29	52	41	33	28	35	29	25		30	25	22		25
8	53	40	32	27	49	38	30	25	33	27	22		28	23	20		24
9	50	37	29	24	46	35	28	23	31	25	21		26	22	18		23
10	47	35	27	22	44	33	26	21	29	23	19		25	20	17		21

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	26387
5°	13340
10°	2390
15°	761
20°	476
25°	385
30°	336
35°	309
40°	298
45°	292
50°	289
55°	287
60°	288
65°	291
70°	296
75°	304
80°	308
85°	316

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 90°
Luminance: 321 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.7	7.5
10°-20°	9.9	3.3
20°-30°	9.3	3.1
30°-40°	12.3	4.1
40°-50°	16.2	5.3
50°-60°	20.1	6.6
60°-70°	23.8	7.8
70°-80°	26.9	8.9
80°-90°	28.5	9.4
90°-100°	28.5	9.4
100°-110°	27.0	8.9
110°-120°	24.1	8.0
120°-130°	19.9	6.6
130°-140°	15.0	5.0
140°-150°	10.3	3.4
150°-160°	5.8	1.9
160°-170°	2.3	0.8
170°-180°	0.2	0.1
0°-30°	41.9	13.8
0°-40°	54.2	17.9
0°-60°	90.6	29.9
0°-90°	169.8	56.0
90°-120°	79.7	26.3
90°-150°	124.9	41.2
90°-180°	133.0	43.9
0°-180°	302.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	515	
5°	354	23
15°	30	10
25°	20	9
35°	19	12
45°	21	16
55°	22	20
65°	24	24
75°	26	27
85°	26	21
90°	26	14
95°	26	21
105°	26	27
115°	24	24
125°	22	20
135°	19	15
145°	16	10
155°	12	6
165°	8	2
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	514.9
2.5°	568.9
5°	354.2
7.5°	117.4
10°	79.8
12.5°	43.7
15°	30.4
17.5°	25.1
20°	22.0
22.5°	20.9
25°	20.1
27.5°	19.4
30°	19.4
32.5°	19.4
35°	19.4
37.5°	19.8
40°	20.1
42.5°	20.5
45°	20.9
47.5°	21.3
50°	21.7
52.5°	22.0
55°	22.4
57.5°	22.8
60°	23.2
62.5°	23.6
65°	23.9
67.5°	24.3
70°	24.7
72.5°	25.1
75°	25.5
77.5°	25.8
80°	25.8
82.5°	26.2
85°	26.2
87.5°	26.2
90°	26.2
92.5°	26.2
95°	26.2
97.5°	26.2
100°	25.8
102.5°	25.8
105°	25.5
107.5°	25.5
110°	25.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	24.7
115°	24.3
117.5°	23.9
120°	23.2
122.5°	22.8
125°	22.0
127.5°	21.7
130°	20.9
132.5°	20.1
135°	19.4
137.5°	18.6
140°	17.9
142.5°	17.1
145°	16.3
147.5°	15.6
150°	14.4
152.5°	13.3
155°	12.5
157.5°	11.4
160°	10.3
162.5°	9.5
165°	8.0
167.5°	6.5
170°	4.6
172.5°	2.7
175°	0.8
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	3.1	4.1	3.9	5.0	6.2	3.1	4.1	3.9	5.0	6.2
	3H	6.1	7.0	7.0	8.0	9.2	6.1	7.0	7.0	8.0	9.2
	4H	7.6	8.5	8.5	9.4	10.6	7.6	8.5	8.5	9.4	10.6
	6H	9.1	9.9	10.0	10.8	12.1	9.1	9.9	10.0	10.8	12.1
	8H	9.8	10.6	10.7	11.5	12.7	9.8	10.6	10.7	11.5	12.7
	12H	10.5	11.2	11.4	12.2	13.4	10.5	11.2	11.4	12.2	13.4
4H	2H	3.8	4.7	4.7	5.7	6.9	3.8	4.7	4.7	5.7	6.9
	3H	7.0	7.8	8.0	8.8	10.0	7.0	7.8	8.0	8.8	10.0
	4H	8.7	9.4	9.6	10.4	11.6	8.7	9.4	9.6	10.4	11.6
	6H	10.3	11.0	11.3	12.0	13.2	10.3	11.0	11.3	12.0	13.2
	8H	11.1	11.8	12.1	12.7	14.0	11.1	11.8	12.1	12.7	14.0
	12H	11.9	12.5	12.9	13.5	14.7	11.9	12.5	12.9	13.5	14.7
8H	4H	9.2	9.8	10.2	10.8	12.1	9.2	9.8	10.2	10.8	12.1
	6H	11.1	11.6	12.0	12.6	13.9	11.1	11.6	12.0	12.6	13.9
	8H	12.0	12.5	13.0	13.5	14.8	12.0	12.5	13.0	13.5	14.8
	12H	13.0	13.4	14.0	14.4	15.7	13.0	13.4	14.0	14.4	15.7
12H	4H	9.3	9.9	10.3	10.9	12.2	9.3	9.9	10.3	10.9	12.2
	6H	11.3	11.7	12.2	12.7	14.0	11.3	11.7	12.2	12.7	14.0
	8H	12.3	12.7	13.3	13.7	15.0	12.3	12.7	13.3	13.7	15.0

(END OF REPORT)