

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: P1244881

Luminaire Tested: PRLX-MIN-M-927-01L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244881
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-927-01L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, PINSTRIPE SHADE TEXTURE
LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

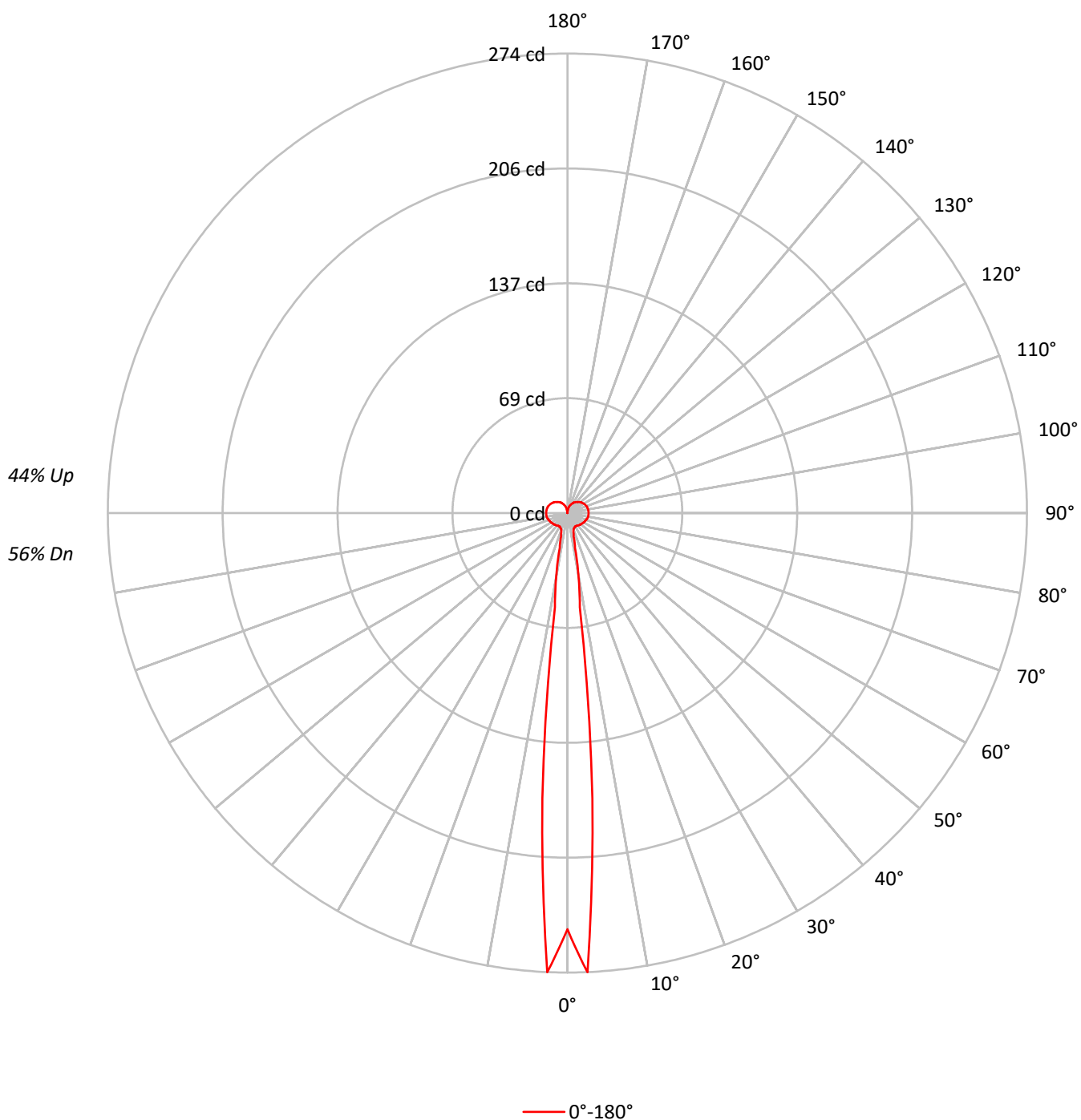
Lumens per Lamp: N/A
Luminaire Lumens: 146.0 lumens
Efficiency: N/A
Efficacy: 23.2 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 6.3
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°	12714
5°	6429
10°	1153
15°	365
20°	229
25°	186
30°	161
35°	148
40°	144
45°	141
50°	139
55°	138
60°	139
65°	140
70°	143
75°	147
80°	149
85°	152

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 90°
Luminance: 154 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.9	7.5
10°-20°	4.8	3.3
20°-30°	4.5	3.1
30°-40°	5.9	4.0
40°-50°	7.8	5.4
50°-60°	9.7	6.6
60°-70°	11.5	7.8
70°-80°	13.0	8.9
80°-90°	13.7	9.4
90°-100°	13.7	9.4
100°-110°	13.1	9.0
110°-120°	11.6	8.0
120°-130°	9.6	6.6
130°-140°	7.2	5.0
140°-150°	4.9	3.4
150°-160°	2.8	1.9
160°-170°	1.1	0.8
170°-180°	0.1	0.1
0°-30°	20.2	13.8
0°-40°	26.1	17.9
0°-60°	43.6	29.9
0°-90°	81.8	56.0
90°-120°	38.4	26.3
90°-150°	60.2	41.2
90°-180°	64.0	43.8
0°-180°	146.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	248	
5°	171	11
15°	15	5
25°	10	4
35°	9	6
45°	10	8
55°	11	10
65°	12	11
75°	12	13
85°	13	10
90°	13	7
95°	13	10
105°	12	13
115°	12	12
125°	11	10
135°	9	7
145°	8	5
155°	6	3
165°	4	1
175°	0	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	248.1
2.5°	274.1
5°	170.7
7.5°	56.6
10°	38.5
12.5°	21.1
15°	14.6
17.5°	12.1
20°	10.6
22.5°	10.1
25°	9.7
27.5°	9.3
30°	9.3
32.5°	9.3
35°	9.3
37.5°	9.5
40°	9.7
42.5°	9.9
45°	10.1
47.5°	10.3
50°	10.4
52.5°	10.6
55°	10.8
57.5°	11.0
60°	11.2
62.5°	11.4
65°	11.5
67.5°	11.7
70°	11.9
72.5°	12.1
75°	12.3
77.5°	12.5
80°	12.5
82.5°	12.6
85°	12.6
87.5°	12.6
90°	12.6
92.5°	12.6
95°	12.6
97.5°	12.6
100°	12.5
102.5°	12.5
105°	12.3
107.5°	12.3
110°	12.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	11.9
115°	11.7
117.5°	11.5
120°	11.2
122.5°	11.0
125°	10.6
127.5°	10.4
130°	10.1
132.5°	9.7
135°	9.3
137.5°	9.0
140°	8.6
142.5°	8.2
145°	7.9
147.5°	7.5
150°	7.0
152.5°	6.4
155°	6.0
157.5°	5.5
160°	4.9
162.5°	4.6
165°	3.8
167.5°	3.1
170°	2.2
172.5°	1.3
175°	0.4
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	0.5	1.5	1.4	2.5	3.6	0.5	1.5	1.4	2.5	3.6
	3H	3.5	4.5	4.4	5.4	6.6	3.5	4.5	4.4	5.4	6.6
	4H	5.0	5.9	5.9	6.9	8.1	5.0	5.9	5.9	6.9	8.1
	6H	6.5	7.4	7.5	8.3	9.5	6.5	7.4	7.5	8.3	9.5
	8H	7.2	8.0	8.2	9.0	10.2	7.2	8.0	8.2	9.0	10.2
	12H	7.9	8.7	8.9	9.7	10.9	7.9	8.7	8.9	9.7	10.9
4H	2H	1.3	2.2	2.2	3.1	4.3	1.3	2.2	2.2	3.1	4.3
	3H	4.5	5.3	5.4	6.3	7.5	4.5	5.3	5.4	6.3	7.5
	4H	6.2	6.9	7.1	7.8	9.1	6.2	6.9	7.1	7.8	9.1
	6H	7.8	8.5	8.7	9.4	10.7	7.8	8.5	8.7	9.4	10.7
	8H	8.6	9.2	9.5	10.2	11.5	8.6	9.2	9.5	10.2	11.5
	12H	9.4	10.0	10.4	11.0	12.2	9.4	10.0	10.4	11.0	12.2
8H	4H	6.7	7.3	7.6	8.3	9.5	6.7	7.3	7.6	8.3	9.5
	6H	8.5	9.1	9.5	10.1	11.3	8.5	9.1	9.5	10.1	11.3
	8H	9.5	10.0	10.5	11.0	12.2	9.5	10.0	10.5	11.0	12.2
	12H	10.5	10.9	11.4	11.9	13.2	10.5	10.9	11.4	11.9	13.2
12H	4H	6.8	7.4	7.8	8.4	9.6	6.8	7.4	7.8	8.4	9.6
	6H	8.7	9.2	9.7	10.2	11.5	8.7	9.2	9.7	10.2	11.5
	8H	9.8	10.2	10.7	11.2	12.5	9.8	10.2	10.7	11.2	12.5

(END OF REPORT)