

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: P1244968

Luminaire Tested: PRLX-MIN-S-930-12L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244968
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-MIN-S-930-12L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

Summary

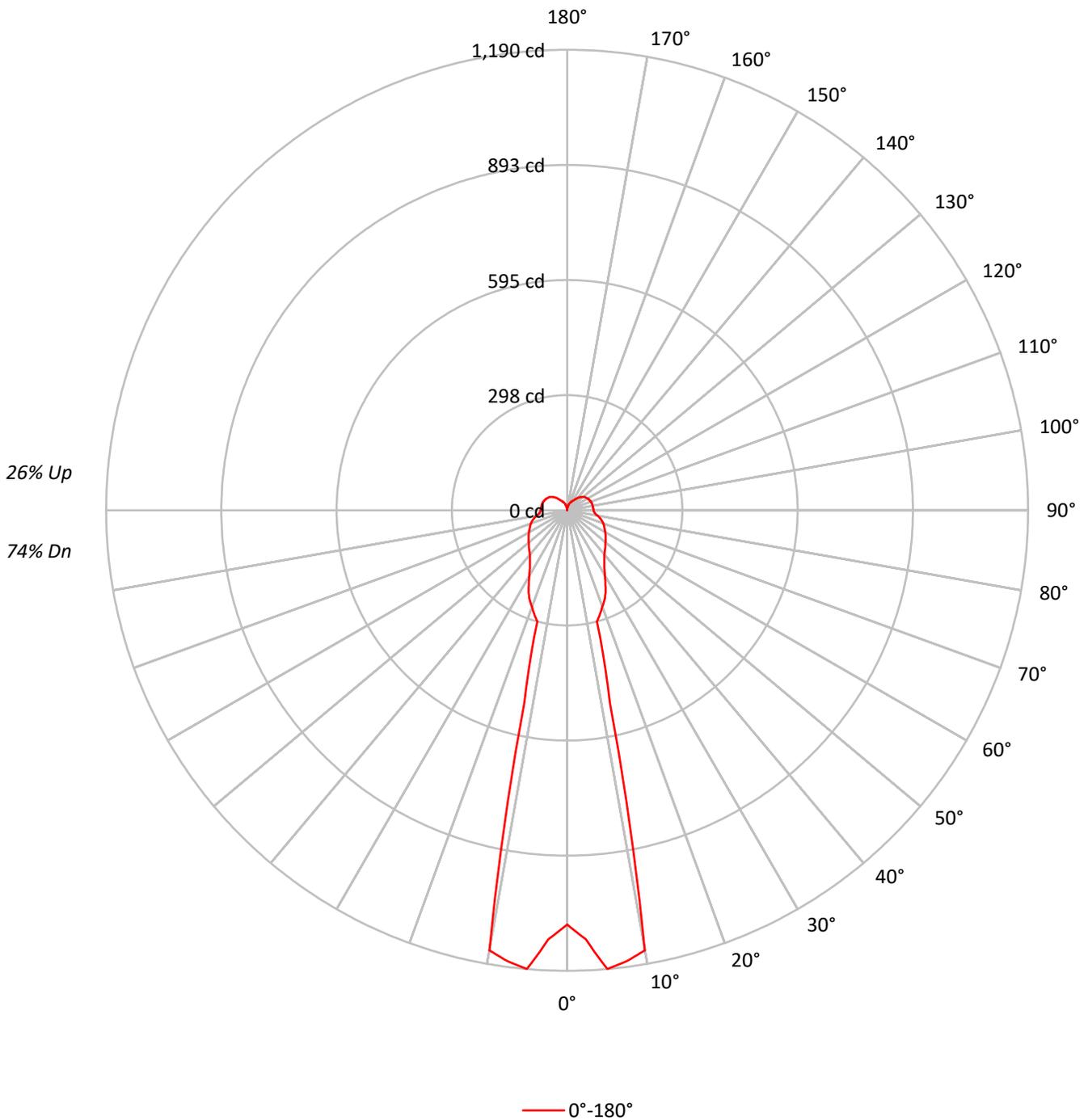
Lumens per Lamp: N/A
Luminaire Lumens: 1268.0 lumens
Efficiency: N/A
Efficacy: 43.9 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.38
Luminous Opening: Rectangular w/ Sides (W: 0.62' x L: 0.62' x H: 0.87')
CIE Type: Semi-Direct

Input Watts (W): 28.9
Input Voltage (V): NR
Input Current (A_{in}): 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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	113	113	113	113	107	107	107	107	97	97	97	87	87	87	78	78	78	74
1	101	96	91	87	96	91	87	83	82	79	76	74	71	69	66	64	62	58
2	92	84	77	71	87	80	73	68	72	67	63	65	61	57	58	55	52	49
3	85	74	66	60	80	71	63	58	64	58	53	58	53	49	52	48	45	42
4	78	67	58	52	74	63	56	50	58	51	46	52	47	43	47	43	40	37
5	72	60	52	46	68	58	50	44	53	46	41	48	43	38	44	39	36	33
6	67	55	47	41	64	53	45	39	48	42	37	44	39	35	40	36	33	30
7	63	51	42	37	60	49	41	36	45	38	34	41	36	32	38	33	30	28
8	59	47	39	34	56	45	38	33	42	35	31	38	33	29	35	31	28	26
9	56	44	36	31	53	42	35	30	39	33	29	36	31	27	33	29	26	24
10	53	41	34	29	50	39	33	28	37	31	27	34	29	26	32	27	24	23

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	29496
5°	29341
10°	25948
15°	6176
20°	5162
25°	4335
30°	3444
35°	2847
40°	2482
45°	2263
50°	2083
55°	1952
60°	1836
65°	1733
70°	1655
75°	1552
80°	1422
85°	1326

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2263 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.0	8.8
10°-20°	117.2	9.2
20°-30°	106.7	8.4
30°-40°	105.6	8.3
40°-50°	107.5	8.5
50°-60°	108.8	8.6
60°-70°	105.4	8.3
70°-80°	95.2	7.5
80°-90°	78.4	6.2
90°-100°	73.5	5.8
100°-110°	70.2	5.5
110°-120°	62.7	4.9
120°-130°	51.9	4.1
130°-140°	37.1	2.9
140°-150°	21.3	1.7
150°-160°	11.1	0.9
160°-170°	4.2	0.3
170°-180°	0.3	0.0
0°-30°	334.9	26.4
0°-40°	440.4	34.7
0°-60°	656.7	51.8
0°-90°	935.7	73.8
90°-120°	206.4	16.3
90°-150°	316.7	25.0
90°-180°	332.0	26.2
0°-180°	1268.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1070	
5°	1190	111
15°	297	117
25°	235	107
35°	167	106
45°	139	107
55°	121	109
65°	106	105
75°	90	95
85°	71	60
90°	68	37
95°	67	55
105°	66	70
115°	63	63
125°	58	52
135°	48	37
145°	33	21
155°	23	11
165°	15	4
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1070.4
2.5°	1109.3
5°	1189.9
7.5°	1175.3
10°	1154.9
12.5°	510.9
15°	297.2
17.5°	281.7
20°	265.2
22.5°	251.6
25°	235.1
27.5°	213.7
30°	195.2
32.5°	178.7
35°	167.1
37.5°	157.4
40°	149.6
42.5°	143.8
45°	138.9
47.5°	134.0
50°	129.2
52.5°	125.3
55°	121.4
57.5°	117.5
60°	113.6
62.5°	109.8
65°	105.9
67.5°	103.0
70°	99.1
72.5°	95.2
75°	90.3
77.5°	85.5
80°	79.7
82.5°	73.8
85°	70.9
87.5°	69.0
90°	68.0
92.5°	68.0
95°	67.0
97.5°	67.0
100°	67.0
102.5°	67.0
105°	66.1
107.5°	66.1
110°	65.1



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	64.1
115°	63.1
117.5°	62.2
120°	61.2
122.5°	59.3
125°	58.3
127.5°	56.3
130°	53.4
132.5°	51.5
135°	47.6
137.5°	44.7
140°	40.8
142.5°	36.9
145°	33.0
147.5°	30.1
150°	28.2
152.5°	26.2
155°	23.3
157.5°	21.4
160°	19.4
162.5°	17.5
165°	14.6
167.5°	11.7
170°	7.8
172.5°	3.9
175°	1.0
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	11.0	12.1	11.7	12.9	13.8	11.0	12.1	11.7	12.9	13.8
	3H	13.3	14.4	14.0	15.1	16.0	13.3	14.4	14.0	15.1	16.0
	4H	14.4	15.4	15.1	16.1	17.0	14.4	15.4	15.1	16.1	17.0
	6H	15.3	16.3	16.1	17.0	18.0	15.3	16.3	16.1	17.0	18.0
	8H	15.7	16.6	16.5	17.4	18.4	15.7	16.6	16.5	17.4	18.4
	12H	16.2	17.0	16.9	17.8	18.8	16.2	17.0	16.9	17.8	18.8
4H	2H	11.6	12.6	12.3	13.4	14.3	11.6	12.6	12.3	13.4	14.3
	3H	14.1	15.0	14.9	15.8	16.7	14.1	15.0	14.9	15.8	16.7
	4H	15.3	16.1	16.1	16.9	17.9	15.3	16.1	16.1	16.9	17.9
	6H	16.5	17.2	17.2	18.0	18.9	16.5	17.2	17.2	18.0	18.9
	8H	17.0	17.6	17.8	18.4	19.4	17.0	17.6	17.8	18.4	19.4
	12H	17.5	18.1	18.3	18.9	19.9	17.5	18.1	18.3	18.9	19.9
8H	4H	15.7	16.4	16.5	17.2	18.2	15.7	16.4	16.5	17.2	18.2
	6H	17.0	17.6	17.8	18.4	19.4	17.0	17.6	17.8	18.4	19.4
	8H	17.6	18.1	18.5	19.0	20.0	17.6	18.1	18.5	19.0	20.0
	12H	18.3	18.7	19.1	19.6	20.7	18.3	18.7	19.1	19.6	20.7
12H	4H	15.8	16.4	16.6	17.2	18.2	15.8	16.4	16.6	17.2	18.2
	6H	17.1	17.6	18.0	18.5	19.5	17.1	17.6	18.0	18.5	19.5
	8H	17.8	18.3	18.7	19.1	20.2	17.8	18.3	18.7	19.1	20.2

(END OF REPORT)