

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: P1244950

Luminaire Tested: PRLX-MIN-S-927-09L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244950
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-927-09L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

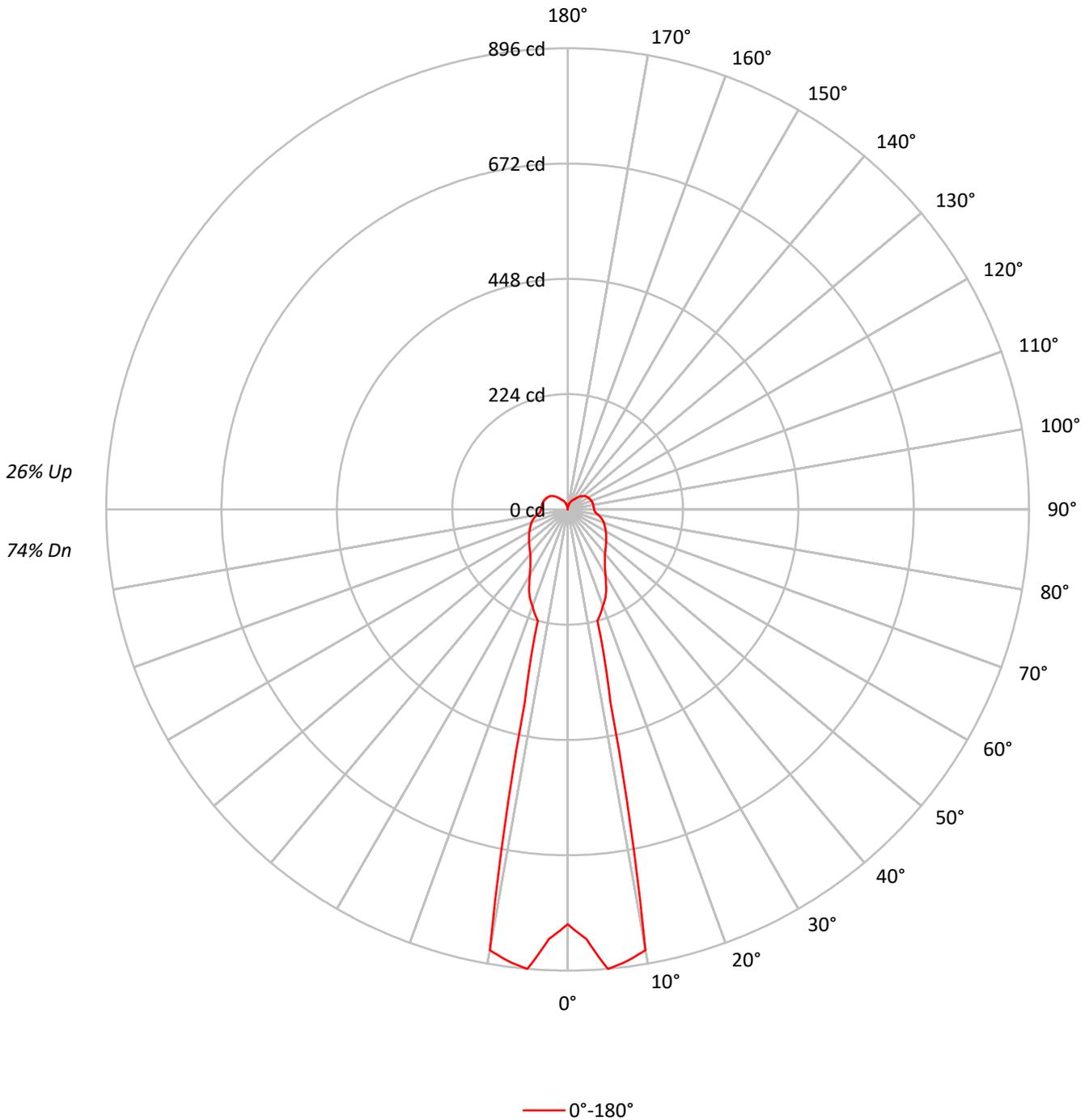
Lumens per Lamp: N/A
Luminaire Lumens: 955.0 lumens
Efficiency: N/A
Efficacy: 44.8 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.38
Luminous Opening: Rectangular w/ Sides (W: 0.62' x L: 0.62' x H: 0.87')
CIE Type: Semi-Direct

Input Watts (W): 21.3
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	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°	22215
5°	22099
10°	19542
15°	4652
20°	3887
25°	3264
30°	2593
35°	2143
40°	1870
45°	1704
50°	1569
55°	1470
60°	1383
65°	1304
70°	1246
75°	1169
80°	1071
85°	999

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1704 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.6	8.8
10°-20°	88.3	9.2
20°-30°	80.4	8.4
30°-40°	79.5	8.3
40°-50°	80.9	8.5
50°-60°	81.9	8.6
60°-70°	79.3	8.3
70°-80°	71.7	7.5
80°-90°	59.0	6.2
90°-100°	55.4	5.8
100°-110°	52.8	5.5
110°-120°	47.2	4.9
120°-130°	39.1	4.1
130°-140°	27.9	2.9
140°-150°	16.0	1.7
150°-160°	8.4	0.9
160°-170°	3.2	0.3
170°-180°	0.2	0.0
0°-30°	252.2	26.4
0°-40°	331.7	34.7
0°-60°	494.6	51.8
0°-90°	704.7	73.8
90°-120°	155.4	16.3
90°-150°	238.5	25.0
90°-180°	250.0	26.2
0°-180°	955.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	806	
5°	896	84
15°	224	88
25°	177	80
35°	126	79
45°	105	81
55°	91	82
65°	80	79
75°	68	72
85°	53	45
90°	51	28
95°	50	41
105°	50	53
115°	48	47
125°	44	39
135°	36	28
145°	25	16
155°	18	8
165°	11	3
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	806.2
2.5°	835.5
5°	896.2
7.5°	885.2
10°	869.8
12.5°	384.8
15°	223.9
17.5°	212.2
20°	199.7
22.5°	189.5
25°	177.0
27.5°	160.9
30°	147.0
32.5°	134.6
35°	125.8
37.5°	118.5
40°	112.7
42.5°	108.3
45°	104.6
47.5°	101.0
50°	97.3
52.5°	94.4
55°	91.4
57.5°	88.5
60°	85.6
62.5°	82.7
65°	79.7
67.5°	77.5
70°	74.6
72.5°	71.7
75°	68.0
77.5°	64.4
80°	60.0
82.5°	55.6
85°	53.4
87.5°	51.9
90°	51.2
92.5°	51.2
95°	50.5
97.5°	50.5
100°	50.5
102.5°	50.5
105°	49.7
107.5°	49.7
110°	49.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	48.3
115°	47.6
117.5°	46.8
120°	46.1
122.5°	44.6
125°	43.9
127.5°	42.4
130°	40.2
132.5°	38.8
135°	35.8
137.5°	33.7
140°	30.7
142.5°	27.8
145°	24.9
147.5°	22.7
150°	21.2
152.5°	19.8
155°	17.6
157.5°	16.1
160°	14.6
162.5°	13.2
165°	11.0
167.5°	8.8
170°	5.9
172.5°	2.9
175°	0.7
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	10.0	11.2	10.7	11.9	12.8	10.0	11.2	10.7	11.9	12.8
	3H	12.3	13.4	13.1	14.1	15.0	12.3	13.4	13.1	14.1	15.0
	4H	13.4	14.4	14.1	15.1	16.1	13.4	14.4	14.1	15.1	16.1
	6H	14.3	15.3	15.1	16.0	17.0	14.3	15.3	15.1	16.0	17.0
	8H	14.8	15.7	15.5	16.4	17.4	14.8	15.7	15.5	16.4	17.4
	12H	15.2	16.0	15.9	16.8	17.8	15.2	16.0	15.9	16.8	17.8
4H	2H	10.6	11.6	11.4	12.4	13.3	10.6	11.6	11.4	12.4	13.3
	3H	13.1	14.0	13.9	14.8	15.7	13.1	14.0	13.9	14.8	15.7
	4H	14.3	15.1	15.1	15.9	16.9	14.3	15.1	15.1	15.9	16.9
	6H	15.5	16.2	16.3	17.0	18.0	15.5	16.2	16.3	17.0	18.0
	8H	16.0	16.6	16.8	17.4	18.4	16.0	16.6	16.8	17.4	18.4
	12H	16.5	17.1	17.3	17.9	18.9	16.5	17.1	17.3	17.9	18.9
8H	4H	14.7	15.4	15.5	16.2	17.2	14.7	15.4	15.5	16.2	17.2
	6H	16.0	16.6	16.9	17.4	18.4	16.0	16.6	16.9	17.4	18.4
	8H	16.7	17.2	17.5	18.0	19.0	16.7	17.2	17.5	18.0	19.0
	12H	17.3	17.8	18.2	18.6	19.7	17.3	17.8	18.2	18.6	19.7
12H	4H	14.8	15.4	15.6	16.2	17.2	14.8	15.4	15.6	16.2	17.2
	6H	16.2	16.7	17.0	17.5	18.5	16.2	16.7	17.0	17.5	18.5
	8H	16.8	17.3	17.7	18.1	19.2	16.8	17.3	17.7	18.1	19.2

(END OF REPORT)