

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: P1244952

Luminaire Tested: PRLX-MIN-S-927-12L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244952
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-927-12L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

Summary

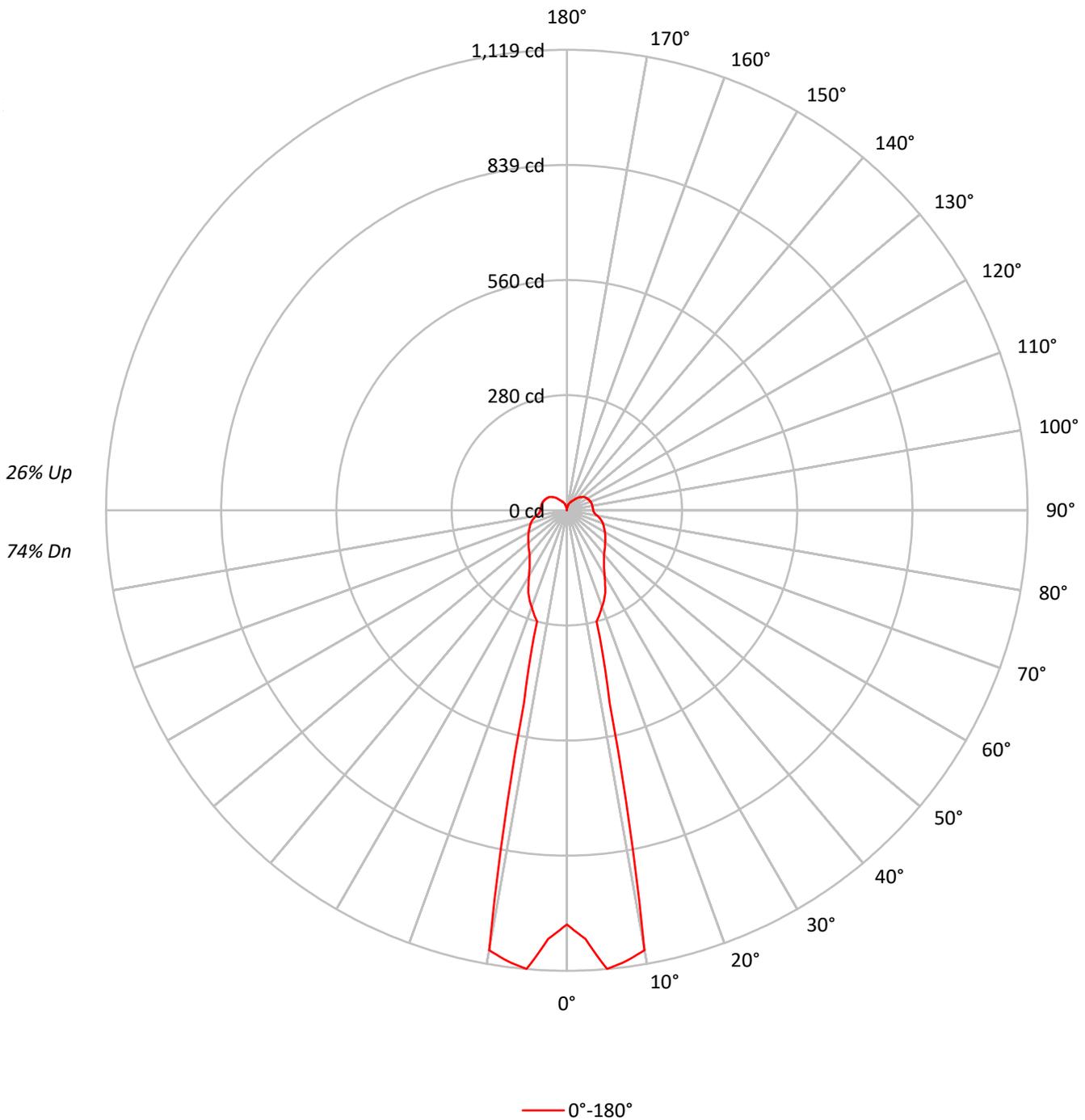
Lumens per Lamp: N/A
Luminaire Lumens: 1192.0 lumens
Efficiency: N/A
Efficacy: 41.2 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.38
Luminous Opening: Rectangular w/ Sides (W: 0.62' x L: 0.62' x H: 0.87')
CIE Type: Semi-Direct

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°	27729
5°	27583
10°	24393
15°	5806
20°	4853
25°	4075
30°	3237
35°	2677
40°	2333
45°	2128
50°	1958
55°	1835
60°	1726
65°	1628
70°	1555
75°	1459
80°	1337
85°	1247

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2128 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.4	8.8
10°-20°	110.1	9.2
20°-30°	100.3	8.4
30°-40°	99.2	8.3
40°-50°	101.0	8.5
50°-60°	102.3	8.6
60°-70°	99.0	8.3
70°-80°	89.5	7.5
80°-90°	73.7	6.2
90°-100°	69.1	5.8
100°-110°	65.9	5.5
110°-120°	58.9	4.9
120°-130°	48.8	4.1
130°-140°	34.9	2.9
140°-150°	20.0	1.7
150°-160°	10.4	0.9
160°-170°	4.0	0.3
170°-180°	0.3	0.0
0°-30°	314.8	26.4
0°-40°	414.0	34.7
0°-60°	617.3	51.8
0°-90°	879.6	73.8
90°-120°	194.0	16.3
90°-150°	297.7	25.0
90°-180°	312.0	26.2
0°-180°	1192.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1006	
5°	1119	104
15°	279	110
25°	221	100
35°	157	99
45°	131	101
55°	114	102
65°	100	99
75°	85	90
85°	67	56
90°	64	35
95°	63	52
105°	62	66
115°	59	59
125°	55	49
135°	45	35
145°	31	20
155°	22	10
165°	14	4
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1006.3
2.5°	1042.8
5°	1118.6
7.5°	1104.9
10°	1085.7
12.5°	480.3
15°	279.4
17.5°	264.8
20°	249.3
22.5°	236.5
25°	221.0
27.5°	200.9
30°	183.5
32.5°	168.0
35°	157.1
37.5°	147.9
40°	140.6
42.5°	135.1
45°	130.6
47.5°	126.0
50°	121.4
52.5°	117.8
55°	114.1
57.5°	110.5
60°	106.8
62.5°	103.2
65°	99.5
67.5°	96.8
70°	93.1
72.5°	89.5
75°	84.9
77.5°	80.4
80°	74.9
82.5°	69.4
85°	66.7
87.5°	64.8
90°	63.9
92.5°	63.9
95°	63.0
97.5°	63.0
100°	63.0
102.5°	63.0
105°	62.1
107.5°	62.1
110°	61.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	60.3
115°	59.4
117.5°	58.4
120°	57.5
122.5°	55.7
125°	54.8
127.5°	53.0
130°	50.2
132.5°	48.4
135°	44.7
137.5°	42.0
140°	38.4
142.5°	34.7
145°	31.0
147.5°	28.3
150°	26.5
152.5°	24.7
155°	21.9
157.5°	20.1
160°	18.3
162.5°	16.4
165°	13.7
167.5°	11.0
170°	7.3
172.5°	3.7
175°	0.9
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	10.8	11.9	11.5	12.7	13.6	10.8	11.9	11.5	12.7	13.6
	3H	13.1	14.1	13.8	14.9	15.8	13.1	14.1	13.8	14.9	15.8
	4H	14.1	15.1	14.9	15.9	16.8	14.1	15.1	14.9	15.9	16.8
	6H	15.1	16.0	15.9	16.8	17.8	15.1	16.0	15.9	16.8	17.8
	8H	15.5	16.4	16.3	17.2	18.2	15.5	16.4	16.3	17.2	18.2
	12H	15.9	16.8	16.7	17.6	18.5	15.9	16.8	16.7	17.6	18.5
4H	2H	11.4	12.4	12.1	13.1	14.1	11.4	12.4	12.1	13.1	14.1
	3H	13.9	14.8	14.7	15.6	16.5	13.9	14.8	14.7	15.6	16.5
	4H	15.1	15.9	15.9	16.7	17.7	15.1	15.9	15.9	16.7	17.7
	6H	16.2	16.9	17.0	17.8	18.7	16.2	16.9	17.0	17.8	18.7
	8H	16.7	17.4	17.5	18.2	19.2	16.7	17.4	17.5	18.2	19.2
	12H	17.2	17.8	18.1	18.7	19.7	17.2	17.8	18.1	18.7	19.7
8H	4H	15.5	16.2	16.3	17.0	18.0	15.5	16.2	16.3	17.0	18.0
	6H	16.8	17.4	17.6	18.2	19.2	16.8	17.4	17.6	18.2	19.2
	8H	17.4	17.9	18.3	18.8	19.8	17.4	17.9	18.3	18.8	19.8
	12H	18.1	18.5	18.9	19.4	20.4	18.1	18.5	18.9	19.4	20.4
12H	4H	15.6	16.2	16.4	17.0	18.0	15.6	16.2	16.4	17.0	18.0
	6H	16.9	17.4	17.8	18.3	19.3	16.9	17.4	17.8	18.3	19.3
	8H	17.6	18.1	18.5	18.9	20.0	17.6	18.1	18.5	18.9	20.0

(END OF REPORT)