

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: P1245226

Luminaire Tested: PRLX-NIM-S-927-12L-U-WO

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245226
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-NIM-S-927-12L-U-WO
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, WOVEN OVAL SHADE TEXTURE LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

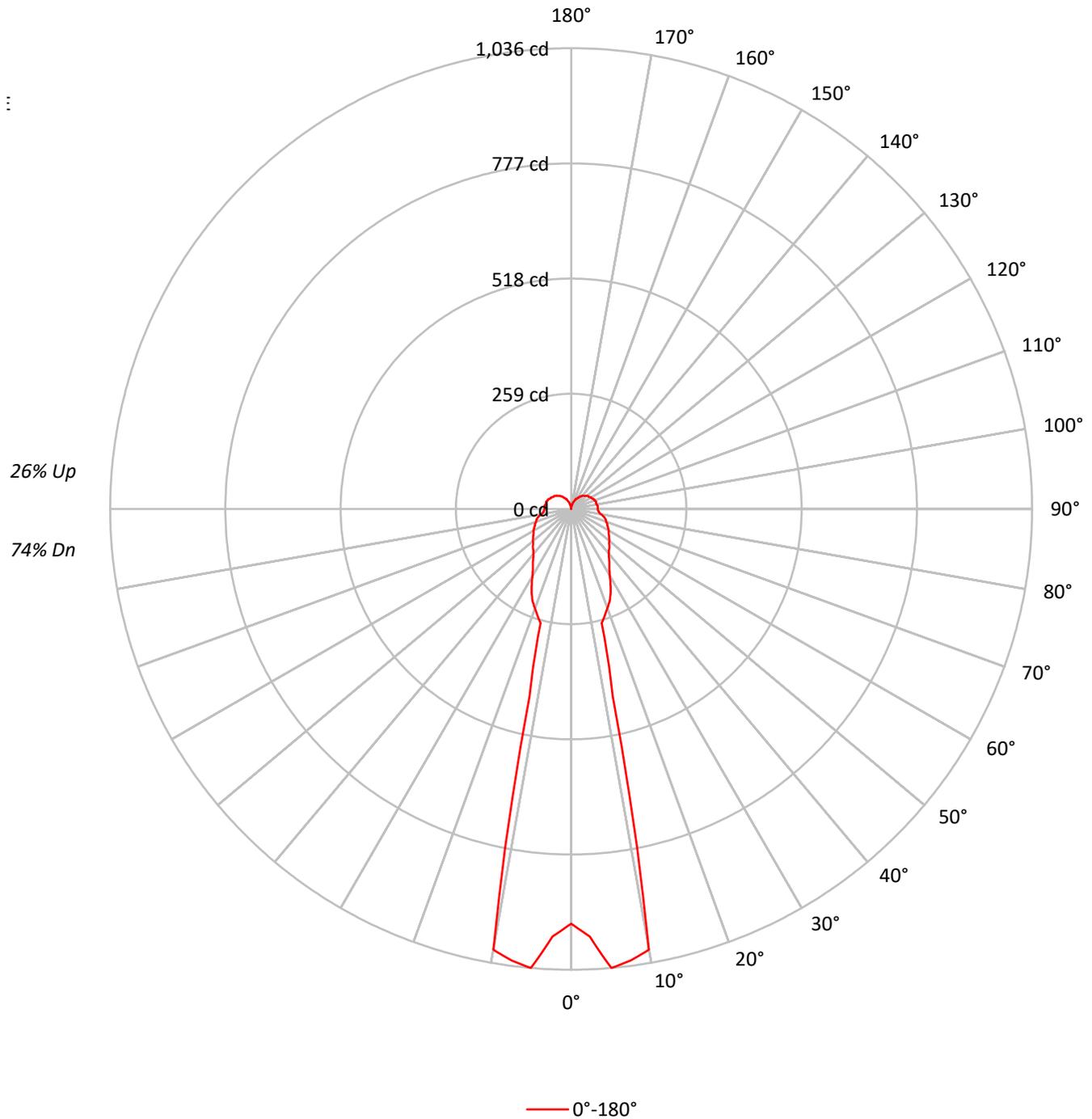
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1107.0 lumens
Efficiency: N/A
Efficacy: 38.3 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 0.87')
CIE Type: Semi-Direct

Input Watts (W): 28.9
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	96	96	96		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	64	58	64	58	53		58	53	49		52	48	45	42
4	78	67	58	52	74	64	56	50	58	52	47		52	47	43		47	43	40	37
5	72	60	52	46	69	58	50	44	53	46	41		48	43	39		44	39	36	33
6	68	55	47	41	64	53	45	40	48	42	37		44	39	35		41	36	33	30
7	63	51	43	37	60	49	41	36	45	39	34		41	36	32		38	33	30	28
8	59	47	39	34	56	45	38	33	42	36	31		39	33	30		36	31	28	26
9	56	44	36	31	53	42	35	30	39	33	29		36	31	27		34	29	26	24
10	53	41	34	29	51	40	33	28	37	31	27		34	29	26		32	28	24	23

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	29491
5°	29104
10°	25591
15°	6213
20°	5183
25°	4316
30°	3410
35°	2828
40°	2416
45°	2187
50°	1981
55°	1829
60°	1727
65°	1601
70°	1521
75°	1450
80°	1308
85°	1245

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2187 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.6	8.7
10°-20°	102.5	9.3
20°-30°	95.4	8.6
30°-40°	94.0	8.5
40°-50°	93.7	8.5
50°-60°	93.2	8.4
60°-70°	89.8	8.1
70°-80°	81.8	7.4
80°-90°	68.1	6.1
90°-100°	65.1	5.9
100°-110°	61.0	5.5
110°-120°	53.5	4.8
120°-130°	43.7	3.9
130°-140°	32.5	2.9
140°-150°	21.0	1.9
150°-160°	10.9	1.0
160°-170°	3.8	0.3
170°-180°	0.4	0.0
0°-30°	294.6	26.6
0°-40°	388.6	35.1
0°-60°	575.5	52.0
0°-90°	815.2	73.6
90°-120°	179.6	16.2
90°-150°	276.8	25.0
90°-180°	292.0	26.4
0°-180°	1107.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	932	
5°	1036	97
15°	266	103
25°	210	95
35°	150	94
45°	122	94
55°	104	93
65°	90	90
75°	78	82
85°	62	52
90°	60	33
95°	60	49
105°	58	61
115°	54	54
125°	48	44
135°	42	33
145°	34	21
155°	24	11
165°	12	4
175°	2	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	932.2
2.5°	962.2
5°	1036.0
7.5°	1024.0
10°	1006.1
12.5°	431.2
15°	265.5
17.5°	251.5
20°	237.5
22.5°	225.6
25°	209.6
27.5°	191.6
30°	173.7
32.5°	159.7
35°	149.7
37.5°	139.7
40°	131.7
42.5°	125.8
45°	121.8
47.5°	115.8
50°	111.8
52.5°	107.8
55°	103.8
57.5°	99.8
60°	97.8
62.5°	93.8
65°	89.8
67.5°	87.8
70°	83.8
72.5°	81.8
75°	77.9
77.5°	73.9
80°	67.9
82.5°	63.9
85°	61.9
87.5°	59.9
90°	59.9
92.5°	59.9
95°	59.9
97.5°	59.9
100°	57.9
102.5°	57.9
105°	57.9
107.5°	57.9
110°	55.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	55.9
115°	53.9
117.5°	51.9
120°	51.9
122.5°	49.9
125°	47.9
127.5°	47.9
130°	45.9
132.5°	43.9
135°	41.9
137.5°	39.9
140°	37.9
142.5°	35.9
145°	33.9
147.5°	29.9
150°	27.9
152.5°	26.0
155°	24.0
157.5°	20.0
160°	18.0
162.5°	16.0
165°	12.0
167.5°	10.0
170°	8.0
172.5°	4.0
175°	2.0
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	10.6	11.8	11.4	12.5	13.4	10.6	11.8	11.4	12.5	13.4
	3H	13.0	14.0	13.7	14.7	15.7	13.0	14.0	13.7	14.7	15.7
	4H	14.0	15.0	14.8	15.8	16.7	14.0	15.0	14.8	15.8	16.7
	6H	15.0	15.9	15.8	16.7	17.6	15.0	15.9	15.8	16.7	17.6
	8H	15.4	16.3	16.2	17.1	18.0	15.4	16.3	16.2	17.1	18.0
	12H	15.8	16.7	16.6	17.5	18.4	15.8	16.7	16.6	17.5	18.4
4H	2H	11.2	12.2	12.0	13.0	13.9	11.2	12.2	12.0	13.0	13.9
	3H	13.8	14.6	14.5	15.4	16.4	13.8	14.6	14.5	15.4	16.4
	4H	15.0	15.8	15.8	16.6	17.5	15.0	15.8	15.8	16.6	17.5
	6H	16.1	16.8	16.9	17.6	18.6	16.1	16.8	16.9	17.6	18.6
	8H	16.6	17.3	17.4	18.1	19.1	16.6	17.3	17.4	18.1	19.1
	12H	17.1	17.7	18.0	18.6	19.6	17.1	17.7	18.0	18.6	19.6
8H	4H	15.4	16.0	16.2	16.8	17.8	15.4	16.0	16.2	16.8	17.8
	6H	16.7	17.2	17.5	18.1	19.1	16.7	17.2	17.5	18.1	19.1
	8H	17.3	17.8	18.2	18.7	19.7	17.3	17.8	18.2	18.7	19.7
	12H	18.0	18.4	18.8	19.3	20.3	18.0	18.4	18.8	19.3	20.3
12H	4H	15.4	16.0	16.3	16.9	17.9	15.4	16.0	16.3	16.9	17.9
	6H	16.8	17.3	17.6	18.1	19.2	16.8	17.3	17.6	18.1	19.2
	8H	17.5	18.0	18.3	18.8	19.9	17.5	18.0	18.3	18.8	19.9

(END OF REPORT)