

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: P1245246

Luminaire Tested: PRLX-NIM-S-930-12L-U-WO

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245246
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-930-12L-U-WO
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, WOVEN OVAL SHADE TEXTURE LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

Summary

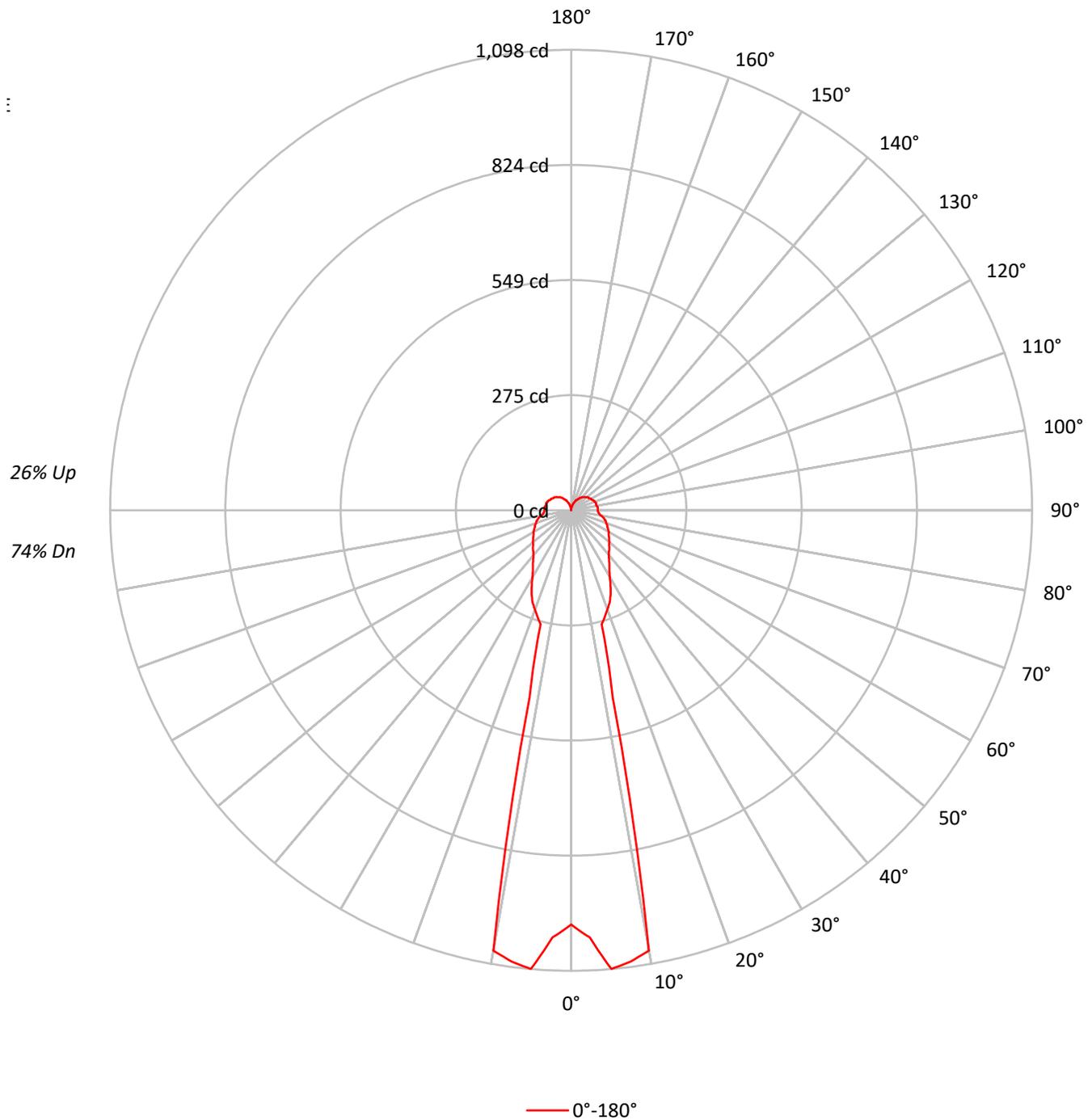
Lumens per Lamp: N/A
Luminaire Lumens: 1173.0 lumens
Efficiency: N/A
Efficacy: 40.6 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 0.87')
CIE Type: Semi-Direct

Input Watts (W): 28.9
Input Voltage (V): NR
Input Current (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	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°	31250
5°	30840
10°	27118
15°	6583
20°	5493
25°	4573
30°	3612
35°	2997
40°	2561
45°	2317
50°	2100
55°	1939
60°	1830
65°	1698
70°	1612
75°	1536
80°	1385
85°	1320

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2317 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.4	8.7
10°-20°	108.6	9.3
20°-30°	101.1	8.6
30°-40°	99.6	8.5
40°-50°	99.3	8.5
50°-60°	98.8	8.4
60°-70°	95.2	8.1
70°-80°	86.6	7.4
80°-90°	72.1	6.1
90°-100°	69.0	5.9
100°-110°	64.6	5.5
110°-120°	56.7	4.8
120°-130°	46.3	3.9
130°-140°	34.5	2.9
140°-150°	22.2	1.9
150°-160°	11.5	1.0
160°-170°	4.0	0.3
170°-180°	0.4	0.0
0°-30°	312.2	26.6
0°-40°	411.8	35.1
0°-60°	609.9	52.0
0°-90°	863.8	73.6
90°-120°	190.3	16.2
90°-150°	293.3	25.0
90°-180°	309.0	26.3
0°-180°	1173.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	988	
5°	1098	102
15°	281	109
25°	222	101
35°	159	100
45°	129	99
55°	110	99
65°	95	95
75°	82	87
85°	66	55
90°	64	35
95°	64	52
105°	61	65
115°	57	57
125°	51	46
135°	44	34
145°	36	22
155°	25	12
165°	13	4
175°	2	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	987.8
2.5°	1019.5
5°	1097.8
7.5°	1085.1
10°	1066.1
12.5°	456.9
15°	281.3
17.5°	266.5
20°	251.7
22.5°	239.0
25°	222.1
27.5°	203.1
30°	184.0
32.5°	169.2
35°	158.6
37.5°	148.1
40°	139.6
42.5°	133.3
45°	129.0
47.5°	122.7
50°	118.5
52.5°	114.2
55°	110.0
57.5°	105.8
60°	103.6
62.5°	99.4
65°	95.2
67.5°	93.1
70°	88.8
72.5°	86.7
75°	82.5
77.5°	78.3
80°	71.9
82.5°	67.7
85°	65.6
87.5°	63.5
90°	63.5
92.5°	63.5
95°	63.5
97.5°	63.5
100°	61.3
102.5°	61.3
105°	61.3
107.5°	61.3
110°	59.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	59.2
115°	57.1
117.5°	55.0
120°	55.0
122.5°	52.9
125°	50.8
127.5°	50.8
130°	48.6
132.5°	46.5
135°	44.4
137.5°	42.3
140°	40.2
142.5°	38.1
145°	36.0
147.5°	31.7
150°	29.6
152.5°	27.5
155°	25.4
157.5°	21.2
160°	19.0
162.5°	16.9
165°	12.7
167.5°	10.6
170°	8.5
172.5°	4.2
175°	2.1
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	12.0	11.6	12.7	13.6	10.8	12.0	11.6	12.7	13.6
	3H	13.2	14.2	13.9	15.0	15.9	13.2	14.2	13.9	15.0	15.9
	4H	14.2	15.2	15.0	16.0	16.9	14.2	15.2	15.0	16.0	16.9
	6H	15.2	16.1	16.0	16.9	17.8	15.2	16.1	16.0	16.9	17.8
	8H	15.6	16.5	16.4	17.3	18.2	15.6	16.5	16.4	17.3	18.2
	12H	16.0	16.9	16.8	17.7	18.6	16.0	16.9	16.8	17.7	18.6
4H	2H	11.4	12.4	12.2	13.2	14.1	11.4	12.4	12.2	13.2	14.1
	3H	14.0	14.8	14.7	15.6	16.6	14.0	14.8	14.7	15.6	16.6
	4H	15.2	16.0	16.0	16.8	17.7	15.2	16.0	16.0	16.8	17.7
	6H	16.3	17.0	17.1	17.8	18.8	16.3	17.0	17.1	17.8	18.8
	8H	16.8	17.5	17.6	18.3	19.3	16.8	17.5	17.6	18.3	19.3
	12H	17.3	17.9	18.2	18.8	19.8	17.3	17.9	18.2	18.8	19.8
8H	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	17.7	18.3	19.3	16.9	17.4	17.7	18.3	19.3
	8H	17.5	18.0	18.4	18.9	19.9	17.5	18.0	18.4	18.9	19.9
	12H	18.2	18.6	19.0	19.5	20.5	18.2	18.6	19.0	19.5	20.5
12H	4H	15.6	16.2	16.5	17.1	18.1	15.6	16.2	16.5	17.1	18.1
	6H	17.0	17.5	17.8	18.3	19.4	17.0	17.5	17.8	18.3	19.4
	8H	17.7	18.2	18.5	19.0	20.1	17.7	18.2	18.5	19.0	20.1

(END OF REPORT)