

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: P1245266

Luminaire Tested: PRLX-NIM-S-935-12L-U-WO

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245266
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-935-12L-U-WO
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, WOVEN OVAL SHADE TEXTURE
LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

Summary

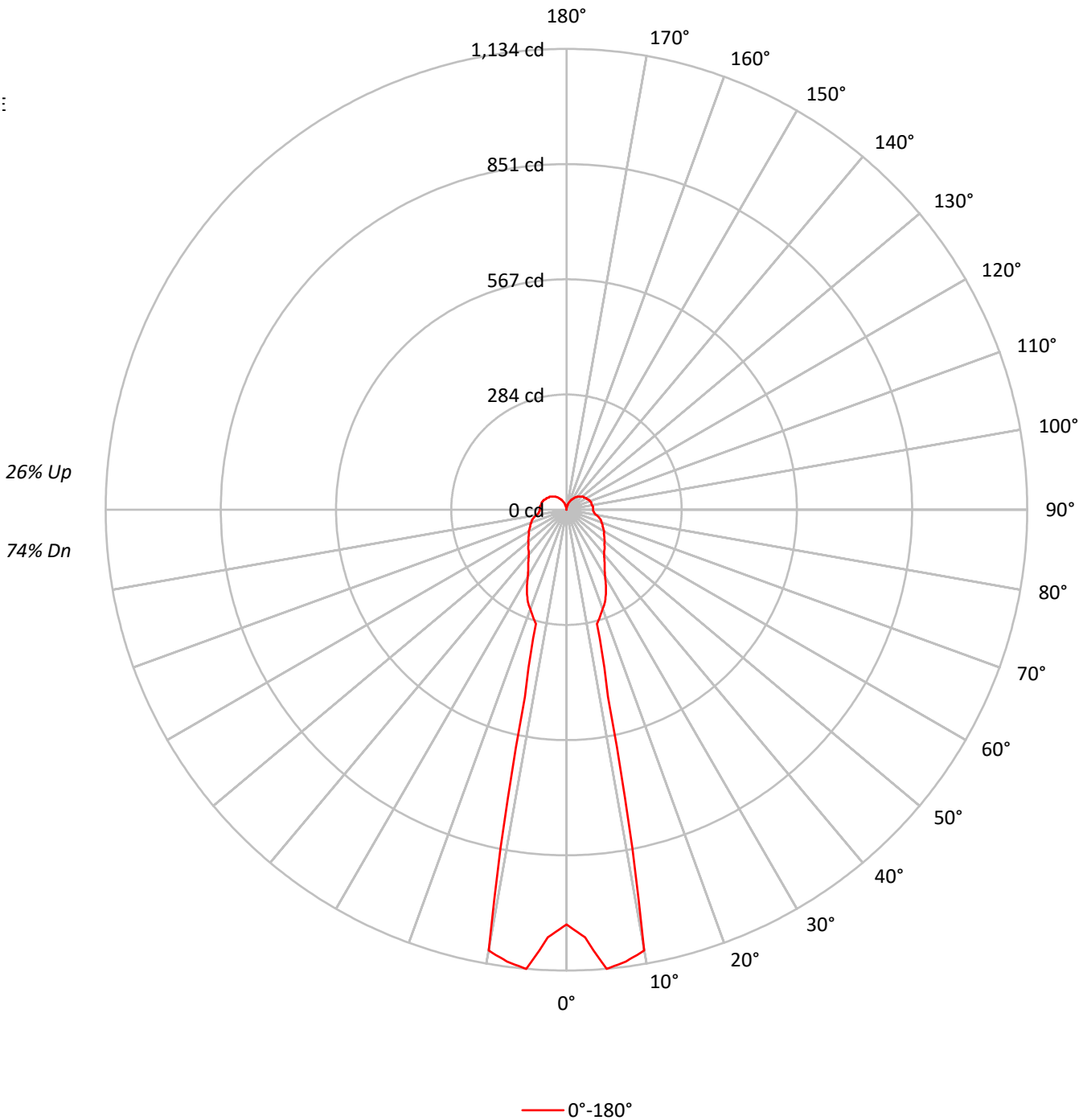
Lumens per Lamp: N/A
Luminaire Lumens: 1212.1 lumens
Efficiency: N/A
Efficacy: 41.9 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 0.87')
CIE Type: Semi-Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	32288
5°	31865
10°	28018
15°	6803
20°	5676
25°	4725
30°	3732
35°	3097
40°	2645
45°	2394
50°	2169
55°	2002
60°	1891
65°	1753
70°	1666
75°	1586
80°	1431
85°	1364

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2394 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.8	8.7
10°-20°	112.2	9.3
20°-30°	104.5	8.6
30°-40°	102.9	8.5
40°-50°	102.6	8.5
50°-60°	102.1	8.4
60°-70°	98.3	8.1
70°-80°	89.5	7.4
80°-90°	74.5	6.1
90°-100°	71.3	5.9
100°-110°	66.8	5.5
110°-120°	58.6	4.8
120°-130°	47.9	3.9
130°-140°	35.6	2.9
140°-150°	23.0	1.9
150°-160°	11.9	1.0
160°-170°	4.1	0.3
170°-180°	0.4	0.0
0°-30°	322.5	26.6
0°-40°	425.5	35.1
0°-60°	630.1	52.0
0°-90°	892.5	73.6
90°-120°	196.7	16.2
90°-150°	303.1	25.0
90°-180°	320.0	26.4
0°-180°	1212.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1021	
5°	1134	106
15°	291	112
25°	230	104
35°	164	103
45°	133	103
55°	114	102
65°	98	98
75°	85	90
85°	68	57
90°	66	36
95°	66	53
105°	63	67
115°	59	59
125°	52	48
135°	46	36
145°	37	23
155°	26	12
165°	13	4
175°	2	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1020.6
2.5°	1053.4
5°	1134.3
7.5°	1121.2
10°	1101.5
12.5°	472.1
15°	290.7
17.5°	275.4
20°	260.1
22.5°	247.0
25°	229.5
27.5°	209.8
30°	190.1
32.5°	174.8
35°	163.9
37.5°	153.0
40°	144.2
42.5°	137.7
45°	133.3
47.5°	126.8
50°	122.4
52.5°	118.0
55°	113.6
57.5°	109.3
60°	107.1
62.5°	102.7
65°	98.3
67.5°	96.2
70°	91.8
72.5°	89.6
75°	85.2
77.5°	80.9
80°	74.3
82.5°	69.9
85°	67.8
87.5°	65.6
90°	65.6
92.5°	65.6
95°	65.6
97.5°	65.6
100°	63.4
102.5°	63.4
105°	63.4
107.5°	63.4
110°	61.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	61.2
115°	59.0
117.5°	56.8
120°	56.8
122.5°	54.6
125°	52.5
127.5°	52.5
130°	50.3
132.5°	48.1
135°	45.9
137.5°	43.7
140°	41.5
142.5°	39.3
145°	37.2
147.5°	32.8
150°	30.6
152.5°	28.4
155°	26.2
157.5°	21.9
160°	19.7
162.5°	17.5
165°	13.1
167.5°	10.9
170°	8.7
172.5°	4.4
175°	2.2
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	12.8	13.7	11.0	12.1	11.7	12.8	13.7
	3H	13.3	14.3	14.0	15.1	16.0	13.3	14.3	14.0	15.1	16.0
	4H	14.3	15.3	15.1	16.1	17.0	14.3	15.3	15.1	16.1	17.0
	6H	15.3	16.2	16.1	17.0	17.9	15.3	16.2	16.1	17.0	17.9
	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	12.5	12.3	13.3	14.2	11.6	12.5	12.3	13.3	14.2
	3H	14.1	14.9	14.8	15.7	16.7	14.1	14.9	14.8	15.7	16.7
	4H	15.3	16.1	16.1	16.9	17.9	15.3	16.1	16.1	16.9	17.9
	6H	16.4	17.1	17.2	17.9	18.9	16.4	17.1	17.2	17.9	18.9
	8H	16.9	17.6	17.7	18.4	19.4	16.9	17.6	17.7	18.4	19.4
	12H	17.5	18.0	18.3	18.9	19.9	17.5	18.0	18.3	18.9	19.9
8H	4H	15.7	16.3	16.5	17.2	18.2	15.7	16.3	16.5	17.2	18.2
	6H	17.0	17.5	17.8	18.4	19.4	17.0	17.5	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	16.3	16.6	17.2	18.2	15.8	16.3	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)