

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: P1245230

Luminaire Tested: PRLX-NIM-S-930-02L-U-WO

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245230
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-930-02L-U-WO
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, WOVEN OVAL SHADE TEXTURE LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

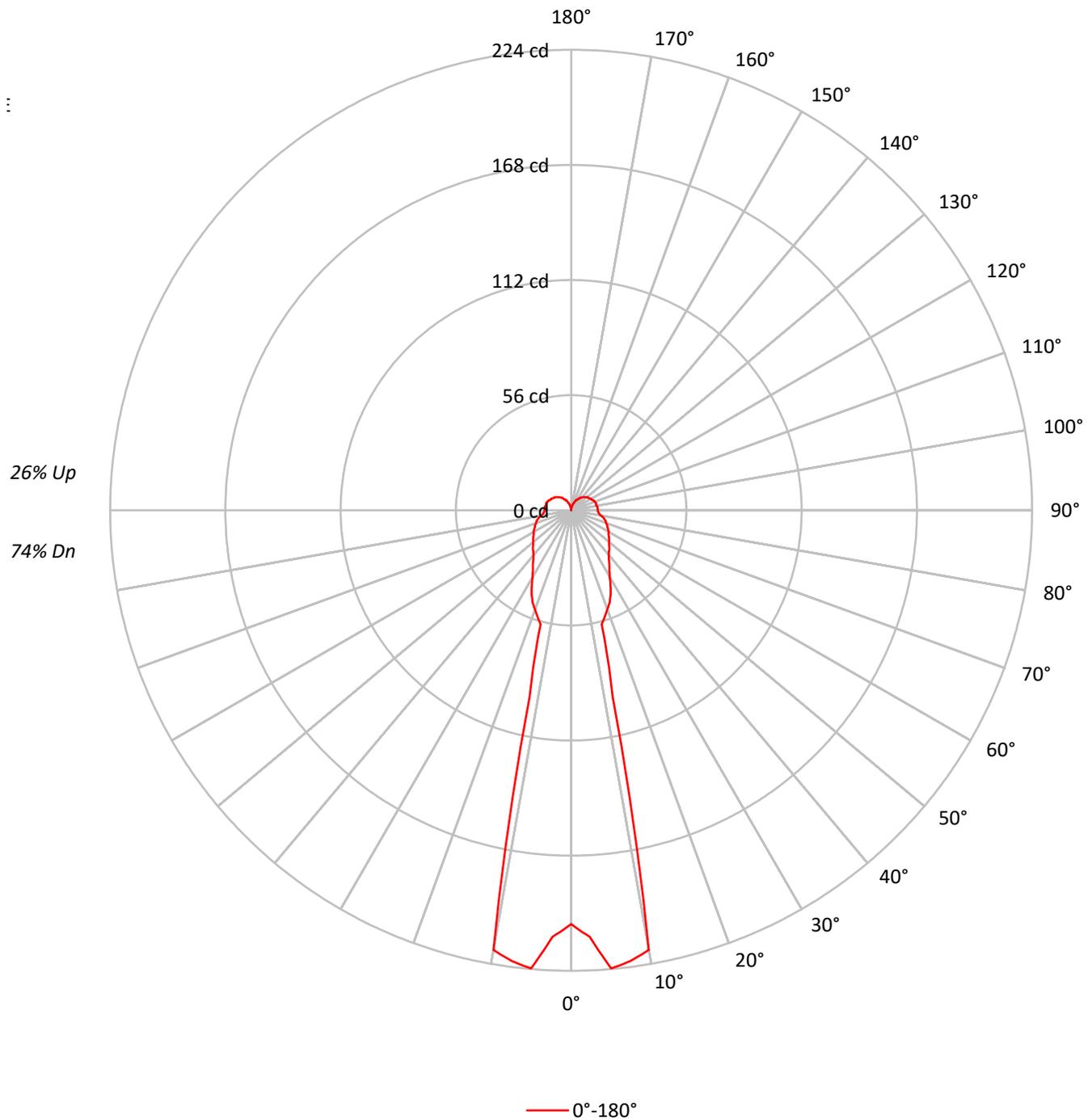
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 239.0 lumens
Efficiency: N/A
Efficacy: 37.9 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): 6.3
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





TEST NUMBER: P1245230

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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°	6368
5°	6284
10°	5525
15°	1341
20°	1120
25°	933
30°	736
35°	610
40°	521
45°	472
50°	427
55°	395
60°	373
65°	346
70°	328
75°	313
80°	283
85°	270

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 472 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.9	8.7
10°-20°	22.1	9.3
20°-30°	20.6	8.6
30°-40°	20.3	8.5
40°-50°	20.2	8.5
50°-60°	20.1	8.4
60°-70°	19.4	8.1
70°-80°	17.7	7.4
80°-90°	14.7	6.2
90°-100°	14.0	5.9
100°-110°	13.2	5.5
110°-120°	11.6	4.8
120°-130°	9.4	3.9
130°-140°	7.0	2.9
140°-150°	4.5	1.9
150°-160°	2.4	1.0
160°-170°	0.8	0.3
170°-180°	0.1	0.0
0°-30°	63.6	26.6
0°-40°	83.9	35.1
0°-60°	124.3	52.0
0°-90°	176.0	73.6
90°-120°	38.8	16.2
90°-150°	59.7	25.0
90°-180°	63.0	26.4
0°-180°	239.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	201	
5°	224	21
15°	57	22
25°	45	21
35°	32	20
45°	26	20
55°	22	20
65°	19	19
75°	17	18
85°	13	11
90°	13	7
95°	13	10
105°	12	13
115°	12	12
125°	10	9
135°	9	7
145°	7	5
155°	5	2
165°	3	1
175°	0	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	201.3
2.5°	207.7
5°	223.7
7.5°	221.1
10°	217.2
12.5°	93.1
15°	57.3
17.5°	54.3
20°	51.3
22.5°	48.7
25°	45.3
27.5°	41.4
30°	37.5
32.5°	34.5
35°	32.3
37.5°	30.2
40°	28.4
42.5°	27.2
45°	26.3
47.5°	25.0
50°	24.1
52.5°	23.3
55°	22.4
57.5°	21.5
60°	21.1
62.5°	20.3
65°	19.4
67.5°	19.0
70°	18.1
72.5°	17.7
75°	16.8
77.5°	15.9
80°	14.7
82.5°	13.8
85°	13.4
87.5°	12.9
90°	12.9
92.5°	12.9
95°	12.9
97.5°	12.9
100°	12.5
102.5°	12.5
105°	12.5
107.5°	12.5
110°	12.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	12.1
115°	11.6
117.5°	11.2
120°	11.2
122.5°	10.8
125°	10.3
127.5°	10.3
130°	9.9
132.5°	9.5
135°	9.1
137.5°	8.6
140°	8.2
142.5°	7.8
145°	7.3
147.5°	6.5
150°	6.0
152.5°	5.6
155°	5.2
157.5°	4.3
160°	3.9
162.5°	3.4
165°	2.6
167.5°	2.2
170°	1.7
172.5°	0.9
175°	0.4
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	5.3	6.4	6.0	7.2	8.1	5.3	6.4	6.0	7.2	8.1
	3H	7.6	8.7	8.4	9.4	10.3	7.6	8.7	8.4	9.4	10.3
	4H	8.7	9.7	9.4	10.4	11.4	8.7	9.7	9.4	10.4	11.4
	6H	9.7	10.6	10.4	11.4	12.3	9.7	10.6	10.4	11.4	12.3
	8H	10.1	11.0	10.9	11.8	12.7	10.1	11.0	10.9	11.8	12.7
	12H	10.5	11.4	11.3	12.1	13.1	10.5	11.4	11.3	12.1	13.1
4H	2H	5.9	6.9	6.7	7.7	8.6	5.9	6.9	6.7	7.7	8.6
	3H	8.4	9.3	9.2	10.1	11.0	8.4	9.3	9.2	10.1	11.0
	4H	9.7	10.4	10.4	11.2	12.2	9.7	10.4	10.4	11.2	12.2
	6H	10.8	11.5	11.6	12.3	13.3	10.8	11.5	11.6	12.3	13.3
	8H	11.3	12.0	12.1	12.8	13.8	11.3	12.0	12.1	12.8	13.8
	12H	11.8	12.4	12.6	13.2	14.2	11.8	12.4	12.6	13.2	14.2
8H	4H	10.1	10.7	10.8	11.5	12.5	10.1	10.7	10.8	11.5	12.5
	6H	11.4	11.9	12.2	12.8	13.8	11.4	11.9	12.2	12.8	13.8
	8H	12.0	12.5	12.8	13.3	14.4	12.0	12.5	12.8	13.3	14.4
	12H	12.7	13.1	13.5	14.0	15.0	12.7	13.1	13.5	14.0	15.0
12H	4H	10.1	10.7	10.9	11.5	12.5	10.1	10.7	10.9	11.5	12.5
	6H	11.5	12.0	12.3	12.8	13.9	11.5	12.0	12.3	12.8	13.9
	8H	12.2	12.6	13.0	13.5	14.5	12.2	12.6	13.0	13.5	14.5

(END OF REPORT)