

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: P1245229

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245229
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-NR
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL RIBS SHADE TEXTURE
LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

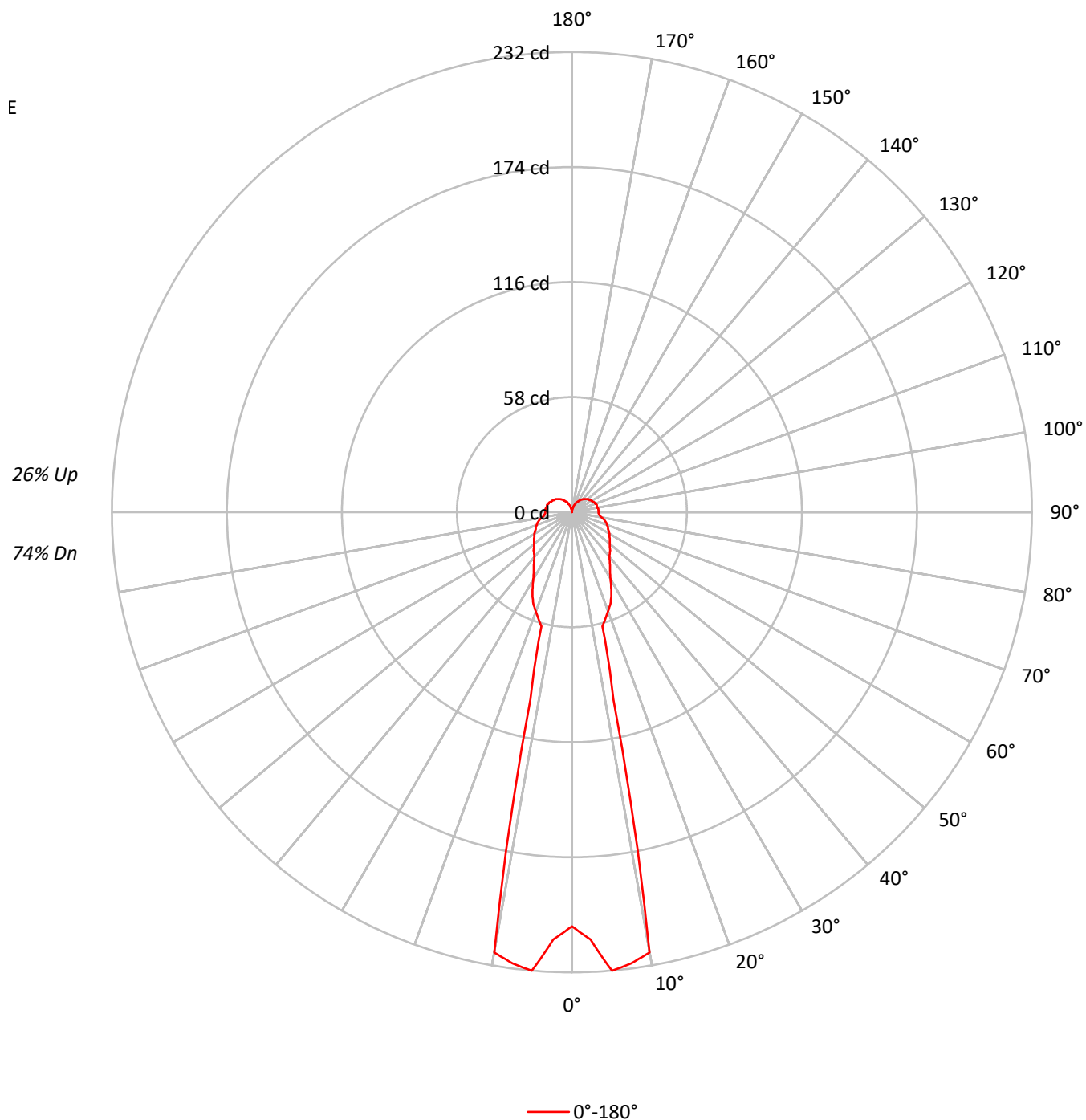
Lumens per Lamp: N/A
Luminaire Lumens: 247.9 lumens
Efficiency: N/A
Efficacy: 39.4 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 0.87')
CIE Type: Semi-Direct

Input Watts (W): 6.3
Input Voltage (V): NR
Input Current (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	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	28	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°	6606
5°	6520
10°	5733
15°	1392
20°	1161
25°	968
30°	764
35°	633
40°	541
45°	490
50°	443
55°	411
60°	387
65°	358
70°	341
75°	324
80°	293
85°	280

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 490 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.7	8.7
10°-20°	23.0	9.3
20°-30°	21.4	8.6
30°-40°	21.1	8.5
40°-50°	21.0	8.5
50°-60°	20.9	8.4
60°-70°	20.1	8.1
70°-80°	18.3	7.4
80°-90°	15.2	6.1
90°-100°	14.6	5.9
100°-110°	13.7	5.5
110°-120°	12.0	4.8
120°-130°	9.8	3.9
130°-140°	7.3	2.9
140°-150°	4.7	1.9
150°-160°	2.4	1.0
160°-170°	0.8	0.3
170°-180°	0.1	0.0
0°-30°	66.0	26.6
0°-40°	87.0	35.1
0°-60°	128.9	52.0
0°-90°	182.6	73.6
90°-120°	40.2	16.2
90°-150°	62.0	25.0
90°-180°	65.0	26.2
0°-180°	247.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	209	
5°	232	22
15°	60	23
25°	47	21
35°	34	21
45°	27	21
55°	23	21
65°	20	20
75°	17	18
85°	14	12
90°	13	7
95°	13	11
105°	13	14
115°	12	12
125°	11	10
135°	9	7
145°	8	5
155°	5	2
165°	3	1
175°	0	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	208.8
2.5°	215.6
5°	232.1
7.5°	229.4
10°	225.4
12.5°	96.6
15°	59.5
17.5°	56.3
20°	53.2
22.5°	50.5
25°	47.0
27.5°	42.9
30°	38.9
32.5°	35.8
35°	33.5
37.5°	31.3
40°	29.5
42.5°	28.2
45°	27.3
47.5°	25.9
50°	25.0
52.5°	24.1
55°	23.3
57.5°	22.4
60°	21.9
62.5°	21.0
65°	20.1
67.5°	19.7
70°	18.8
72.5°	18.3
75°	17.4
77.5°	16.5
80°	15.2
82.5°	14.3
85°	13.9
87.5°	13.4
90°	13.4
92.5°	13.4
95°	13.4
97.5°	13.4
100°	13.0
102.5°	13.0
105°	13.0
107.5°	13.0
110°	12.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	12.5
115°	12.1
117.5°	11.6
120°	11.6
122.5°	11.2
125°	10.7
127.5°	10.7
130°	10.3
132.5°	9.8
135°	9.4
137.5°	8.9
140°	8.5
142.5°	8.0
145°	7.6
147.5°	6.7
150°	6.3
152.5°	5.8
155°	5.4
157.5°	4.5
160°	4.0
162.5°	3.6
165°	2.7
167.5°	2.2
170°	1.8
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	5.5	6.6	6.2	7.3	8.2	5.5	6.6	6.2	7.3	8.2
	3H	7.8	8.8	8.5	9.6	10.5	7.8	8.8	8.5	9.6	10.5
	4H	8.8	9.8	9.6	10.6	11.5	8.8	9.8	9.6	10.6	11.5
	6H	9.8	10.7	10.6	11.5	12.4	9.8	10.7	10.6	11.5	12.4
	8H	10.2	11.1	11.0	11.9	12.8	10.2	11.1	11.0	11.9	12.8
	12H	10.6	11.5	11.4	12.3	13.2	10.6	11.5	11.4	12.3	13.2
4H	2H	6.0	7.0	6.8	7.8	8.7	6.0	7.0	6.8	7.8	8.7
	3H	8.6	9.4	9.3	10.2	11.2	8.6	9.4	9.3	10.2	11.2
	4H	9.8	10.6	10.6	11.4	12.3	9.8	10.6	10.6	11.4	12.3
	6H	10.9	11.6	11.7	12.4	13.4	10.9	11.6	11.7	12.4	13.4
	8H	11.4	12.1	12.2	12.9	13.9	11.4	12.1	12.2	12.9	13.9
	12H	11.9	12.5	12.8	13.4	14.4	11.9	12.5	12.8	13.4	14.4
8H	4H	10.2	10.8	11.0	11.6	12.6	10.2	10.8	11.0	11.6	12.6
	6H	11.5	12.0	12.3	12.9	13.9	11.5	12.0	12.3	12.9	13.9
	8H	12.1	12.6	12.9	13.5	14.5	12.1	12.6	12.9	13.5	14.5
	12H	12.8	13.2	13.6	14.1	15.1	12.8	13.2	13.6	14.1	15.1
12H	4H	10.2	10.8	11.1	11.7	12.7	10.2	10.8	11.1	11.7	12.7
	6H	11.6	12.1	12.4	12.9	14.0	11.6	12.1	12.4	12.9	14.0
	8H	12.3	12.8	13.1	13.6	14.7	12.3	12.8	13.1	13.6	14.7

(END OF REPORT)