

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: P1245240

Luminaire Tested: PRLX-NIM-S-930-09L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245240
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-930-09L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL LINES SHADE TEXTURE
LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

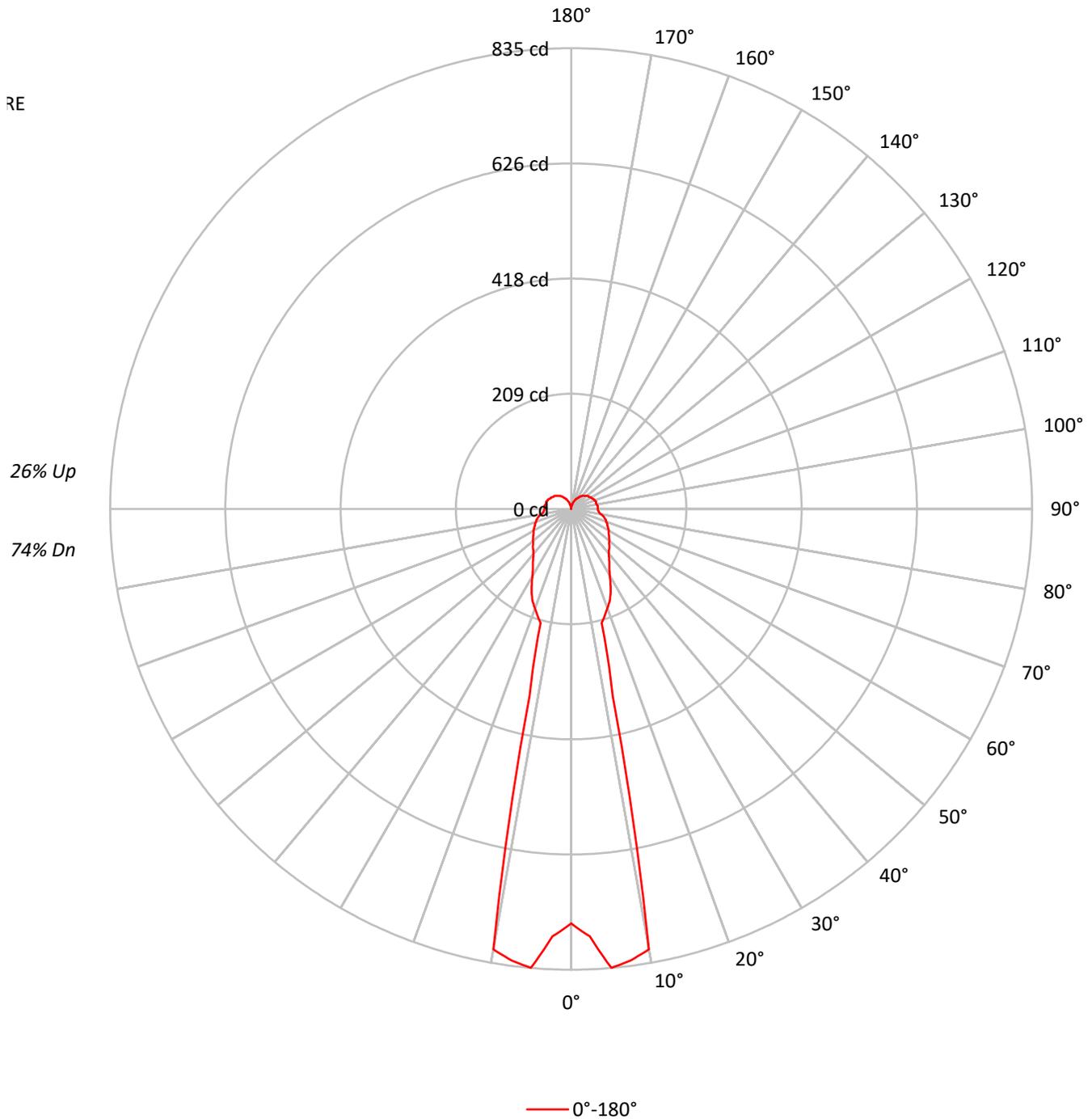
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 892.0 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): 21.3
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





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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°	23765
5°	23451
10°	20621
15°	5006
20°	4177
25°	3478
30°	2746
35°	2279
40°	1948
45°	1762
50°	1597
55°	1473
60°	1392
65°	1291
70°	1227
75°	1167
80°	1054
85°	1004

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1762 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.9	8.7
10°-20°	82.6	9.3
20°-30°	76.9	8.6
30°-40°	75.8	8.5
40°-50°	75.5	8.5
50°-60°	75.1	8.4
60°-70°	72.4	8.1
70°-80°	65.9	7.4
80°-90°	54.9	6.2
90°-100°	52.5	5.9
100°-110°	49.1	5.5
110°-120°	43.1	4.8
120°-130°	35.2	3.9
130°-140°	26.2	2.9
140°-150°	16.9	1.9
150°-160°	8.8	1.0
160°-170°	3.0	0.3
170°-180°	0.3	0.0
0°-30°	237.4	26.6
0°-40°	313.1	35.1
0°-60°	463.7	52.0
0°-90°	656.9	73.6
90°-120°	144.7	16.2
90°-150°	223.0	25.0
90°-180°	235.0	26.3
0°-180°	892.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	751	
5°	835	78
15°	214	83
25°	169	77
35°	121	76
45°	98	76
55°	84	75
65°	72	72
75°	63	66
85°	50	42
90°	48	26
95°	48	39
105°	47	49
115°	43	43
125°	39	35
135°	34	26
145°	27	17
155°	19	9
165°	10	3
175°	2	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	751.2
2.5°	775.3
5°	834.8
7.5°	825.2
10°	810.7
12.5°	347.4
15°	213.9
17.5°	202.7
20°	191.4
22.5°	181.8
25°	168.9
27.5°	154.4
30°	139.9
32.5°	128.7
35°	120.6
37.5°	112.6
40°	106.2
42.5°	101.3
45°	98.1
47.5°	93.3
50°	90.1
52.5°	86.9
55°	83.6
57.5°	80.4
60°	78.8
62.5°	75.6
65°	72.4
67.5°	70.8
70°	67.6
72.5°	65.9
75°	62.7
77.5°	59.5
80°	54.7
82.5°	51.5
85°	49.9
87.5°	48.3
90°	48.3
92.5°	48.3
95°	48.3
97.5°	48.3
100°	46.6
102.5°	46.6
105°	46.6
107.5°	46.6
110°	45.0



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	45.0
115°	43.4
117.5°	41.8
120°	41.8
122.5°	40.2
125°	38.6
127.5°	38.6
130°	37.0
132.5°	35.4
135°	33.8
137.5°	32.2
140°	30.6
142.5°	29.0
145°	27.3
147.5°	24.1
150°	22.5
152.5°	20.9
155°	19.3
157.5°	16.1
160°	14.5
162.5°	12.9
165°	9.7
167.5°	8.0
170°	6.4
172.5°	3.2
175°	1.6
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	9.9	11.0	10.6	11.8	12.7	9.9	11.0	10.6	11.8	12.7
	3H	12.2	13.2	12.9	14.0	14.9	12.2	13.2	12.9	14.0	14.9
	4H	13.3	14.3	14.0	15.0	16.0	13.3	14.3	14.0	15.0	16.0
	6H	14.2	15.2	15.0	15.9	16.9	14.2	15.2	15.0	15.9	16.9
	8H	14.7	15.6	15.4	16.3	17.3	14.7	15.6	15.4	16.3	17.3
	12H	15.1	15.9	15.9	16.7	17.7	15.1	15.9	15.9	16.7	17.7
4H	2H	10.5	11.5	11.2	12.2	13.2	10.5	11.5	11.2	12.2	13.2
	3H	13.0	13.9	13.8	14.7	15.6	13.0	13.9	13.8	14.7	15.6
	4H	14.2	15.0	15.0	15.8	16.8	14.2	15.0	15.0	15.8	16.8
	6H	15.4	16.1	16.2	16.9	17.9	15.4	16.1	16.2	16.9	17.9
	8H	15.9	16.5	16.7	17.3	18.3	15.9	16.5	16.7	17.3	18.3
	12H	16.4	17.0	17.2	17.8	18.8	16.4	17.0	17.2	17.8	18.8
8H	4H	14.6	15.3	15.4	16.1	17.1	14.6	15.3	15.4	16.1	17.1
	6H	15.9	16.5	16.8	17.3	18.3	15.9	16.5	16.8	17.3	18.3
	8H	16.6	17.1	17.4	17.9	18.9	16.6	17.1	17.4	17.9	18.9
	12H	17.2	17.7	18.1	18.5	19.6	17.2	17.7	18.1	18.5	19.6
12H	4H	14.7	15.3	15.5	16.1	17.1	14.7	15.3	15.5	16.1	17.1
	6H	16.1	16.6	16.9	17.4	18.4	16.1	16.6	16.9	17.4	18.4
	8H	16.8	17.2	17.6	18.0	19.1	16.8	17.2	17.6	18.0	19.1

(END OF REPORT)