

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: P1245500

Luminaire Tested: PRLX-UNA-S-940-12L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245500
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UNA-S-940-12L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL LINES SHADE TEXTURE, LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

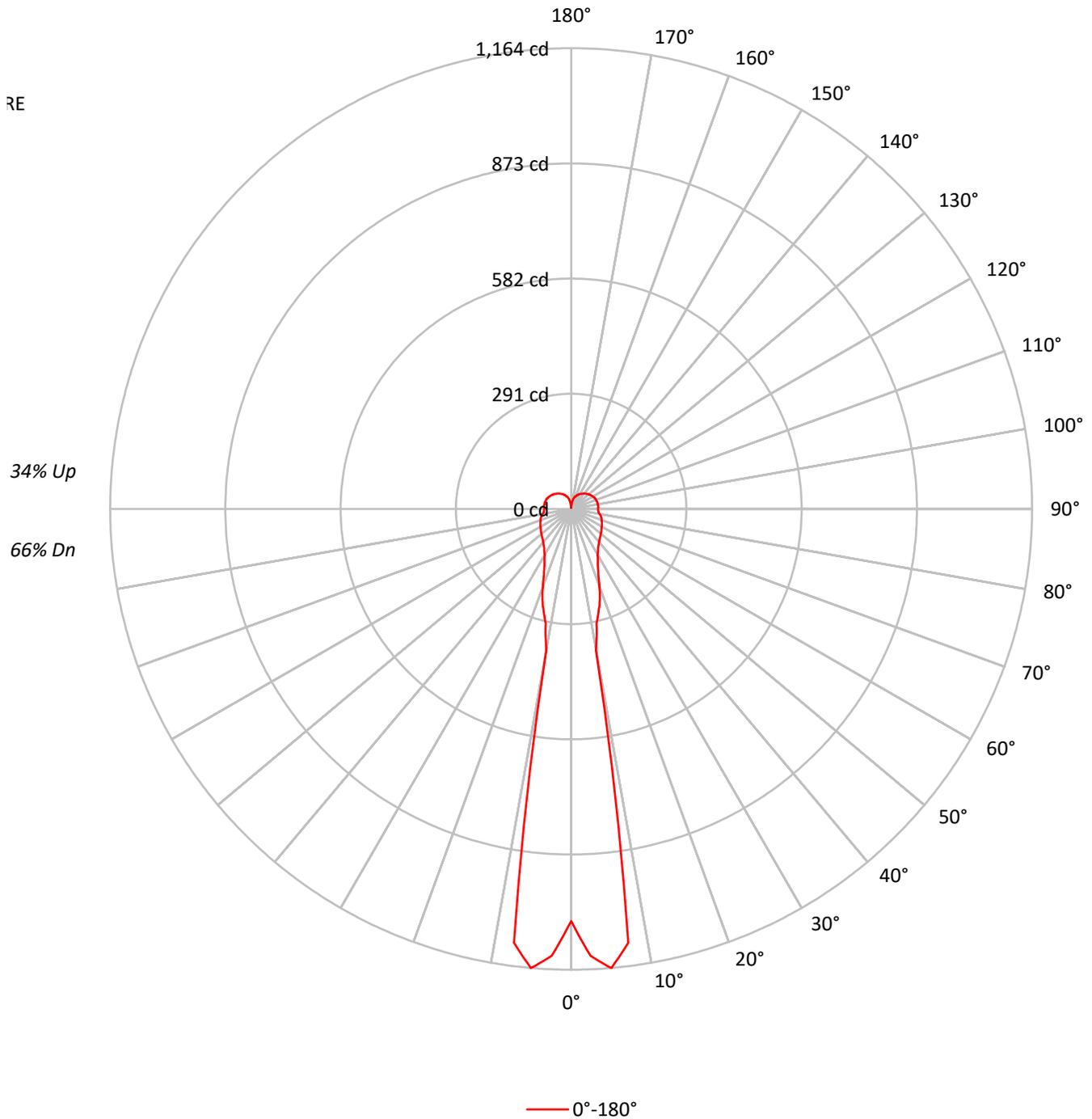
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1088.9 lumens
Efficiency: N/A
Efficacy: 37.7 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.33 / 0.34
Luminous Opening: Rectangular w/ Sides (W: 0.47' x L: 0.47' x H: 1.12')
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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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.5	8.4
10°-20°	75.4	6.9
20°-30°	74.8	6.9
30°-40°	75.2	6.9
40°-50°	79.8	7.3
50°-60°	83.6	7.7
60°-70°	84.9	7.8
70°-80°	82.7	7.6
80°-90°	75.7	7.0
90°-100°	74.8	6.9
100°-110°	71.7	6.6
110°-120°	64.9	6.0
120°-130°	54.3	5.0
130°-140°	42.1	3.9
140°-150°	29.6	2.7
150°-160°	18.1	1.7
160°-170°	8.3	0.8
170°-180°	1.4	0.1
0°-30°	241.7	22.2
0°-40°	316.9	29.1
0°-60°	480.3	44.1
0°-90°	723.7	66.5
90°-120°	211.4	19.4
90°-150°	337.4	31.0
90°-180°	365.0	33.5
0°-180°	1088.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1041	
5°	1164	92
15°	268	75
25°	159	75
35°	119	75
45°	103	80
55°	93	84
65°	86	85
75°	78	83
85°	69	57
90°	68	37
95°	69	56
105°	68	72
115°	65	65
125°	61	54
135°	54	42
145°	47	30
155°	39	18
165°	30	8
175°	11	1
180°	3	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1041.0
2.5°	1130.3
5°	1164.3
7.5°	1105.4
10°	362.7
12.5°	296.4
15°	267.8
17.5°	241.2
20°	208.9
22.5°	179.5
25°	159.2
27.5°	145.4
30°	133.5
32.5°	126.1
35°	118.7
37.5°	114.1
40°	109.5
42.5°	105.8
45°	103.1
47.5°	100.3
50°	97.6
52.5°	95.7
55°	93.0
57.5°	91.1
60°	89.3
62.5°	87.4
65°	85.6
67.5°	83.8
70°	81.9
72.5°	81.0
75°	78.2
77.5°	76.4
80°	72.7
82.5°	70.0
85°	69.0
87.5°	68.1
90°	68.1
92.5°	68.1
95°	69.0
97.5°	69.0
100°	68.1
102.5°	68.1
105°	68.1
107.5°	67.2
110°	67.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	66.3
115°	65.4
117.5°	64.4
120°	63.5
122.5°	61.7
125°	60.7
127.5°	58.9
130°	58.0
132.5°	56.1
135°	54.3
137.5°	52.5
140°	50.6
142.5°	48.8
145°	46.9
147.5°	45.1
150°	43.3
152.5°	41.4
155°	38.7
157.5°	36.8
160°	34.1
162.5°	32.2
165°	29.5
167.5°	25.8
170°	21.2
172.5°	16.6
175°	11.0
177.5°	5.5
180°	2.8



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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	10.1	11.1	10.8	12.0	13.0	10.1	11.1	10.8	12.0	13.0
	3H	12.5	13.5	13.3	14.3	15.4	12.5	13.5	13.3	14.3	15.4
	4H	13.7	14.6	14.5	15.4	16.5	13.7	14.6	14.5	15.4	16.5
	6H	14.8	15.7	15.6	16.5	17.6	14.8	15.7	15.6	16.5	17.6
	8H	15.3	16.1	16.1	17.0	18.1	15.3	16.1	16.1	17.0	18.1
	12H	15.8	16.6	16.6	17.4	18.5	15.8	16.6	16.6	17.4	18.5
4H	2H	10.7	11.6	11.5	12.5	13.5	10.7	11.6	11.5	12.5	13.5
	3H	13.3	14.2	14.2	15.0	16.1	13.3	14.2	14.2	15.0	16.1
	4H	14.7	15.4	15.5	16.3	17.4	14.7	15.4	15.5	16.3	17.4
	6H	15.9	16.6	16.8	17.5	18.6	15.9	16.6	16.8	17.5	18.6
	8H	16.5	17.2	17.4	18.1	19.2	16.5	17.2	17.4	18.1	19.2
	12H	17.1	17.7	18.0	18.6	19.7	17.1	17.7	18.0	18.6	19.7
8H	4H	15.1	15.7	16.0	16.6	17.7	15.1	15.7	16.0	16.6	17.7
	6H	16.6	17.1	17.4	18.0	19.1	16.6	17.1	17.4	18.0	19.1
	8H	17.3	17.8	18.2	18.7	19.8	17.3	17.8	18.2	18.7	19.8
	12H	18.1	18.5	19.0	19.4	20.6	18.1	18.5	19.0	19.4	20.6
12H	4H	15.2	15.7	16.0	16.6	17.8	15.2	15.7	16.0	16.6	17.8
	6H	16.7	17.2	17.6	18.1	19.2	16.7	17.2	17.6	18.1	19.2
	8H	17.5	17.9	18.4	18.8	20.0	17.5	17.9	18.4	18.8	20.0

(END OF REPORT)