

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: IRiS

Report Number: P1271828

Luminaire Tested: P3AS09R709827DE010 E3D1H

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1271828
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R709827DE010 E3D1H
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

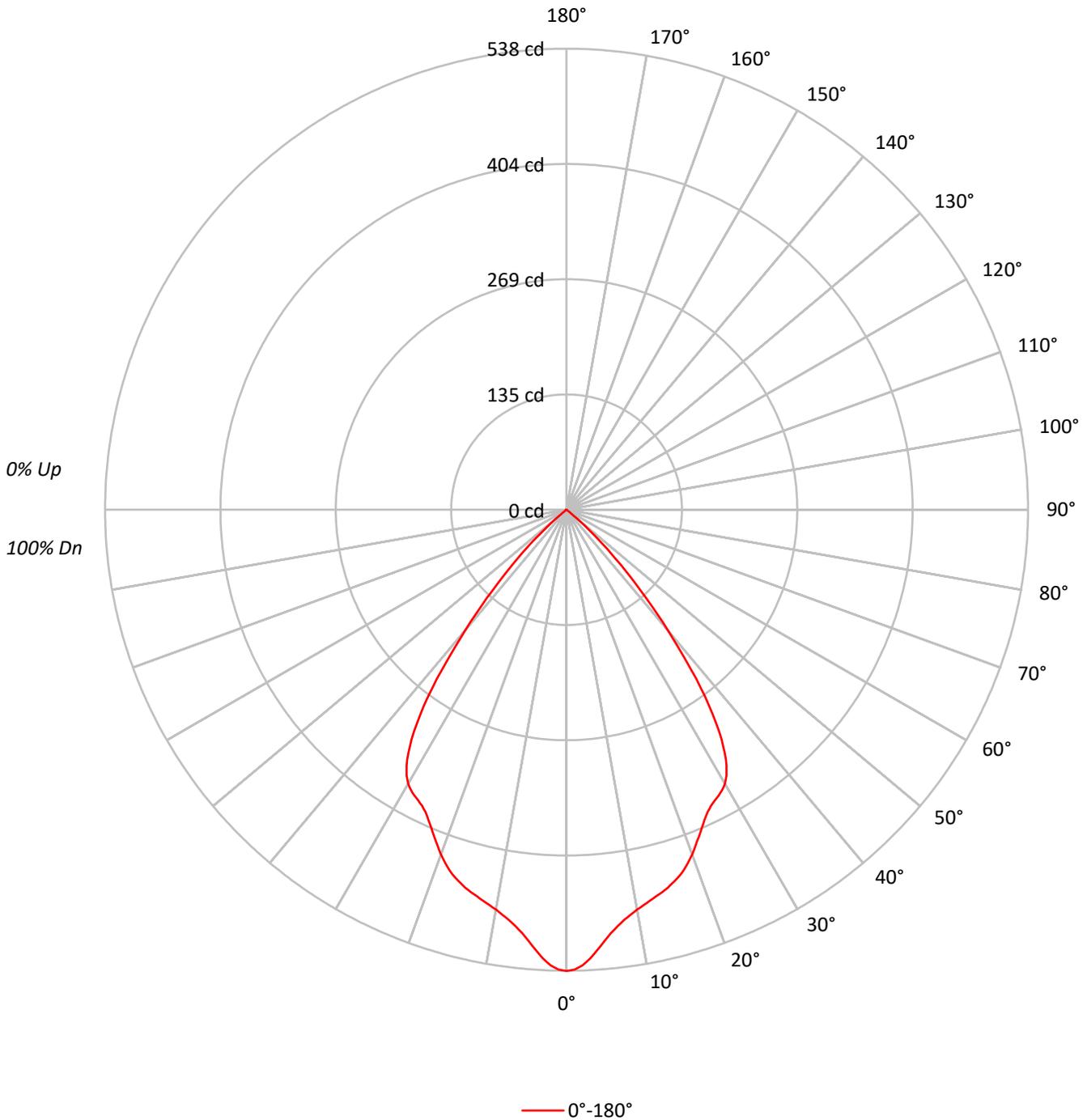
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 606.9 lumens
Efficiency: N/A
Efficacy: 55.2 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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: 24 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				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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93				93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85				85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	86	83	80	79				79
4	95	87	82	77	94	86	81	77	84	79	76	82	78	75	80	77	74	72				72
5	90	81	75	70	88	80	74	70	78	73	69	77	72	69	75	71	68	66				66
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61				61
7	80	70	64	59	79	70	63	59	68	63	59	67	62	58	66	61	58	57				57
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52				52
9	72	61	55	51	71	61	55	51	60	54	50	59	54	50	58	53	50	49				49
10	68	58	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45				45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	118017
5°	111292
10°	105520
15°	103633
20°	99899
25°	94167
30°	93483
35°	81432
40°	52670
45°	24902
50°	3480
55°	268
60°	219
65°	259
70°	128
75°	169
80°	253
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 24902 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.2	7.8
10°-20°	128.2	21.1
20°-30°	181.3	29.9
30°-40°	182.2	30.0
40°-50°	65.5	10.8
50°-60°	1.7	0.3
60°-70°	0.4	0.1
70°-80°	0.2	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	356.8	58.8
0°-40°	539.0	88.8
0°-60°	606.3	99.9
0°-90°	606.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	606.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	538	
5°	506	47
15°	456	128
25°	389	181
35°	304	182
45°	80	66
55°	1	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	538.2
1°	536.8
2°	532.0
3°	524.5
4°	515.1
5°	505.6
6°	496.6
7°	489.6
8°	483.4
9°	478.4
10°	473.9
11°	470.2
12°	466.7
13°	463.2
14°	460.0
15°	456.5
16°	452.2
17°	447.7
18°	442.3
19°	435.5
20°	428.1
21°	419.8
22°	411.6
23°	403.6
24°	395.9
25°	389.2
26°	384.4
27°	380.7
28°	377.7
29°	374.2
30°	369.2
31°	362.0
32°	351.8
32.5°	346.0
33°	338.3
34°	323.1
35°	304.2
36°	283.2
37°	259.5
37.5°	248.6
38°	233.6
39°	206.9
40°	184.0
42.5°	127.4
45°	80.3



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	43.1
50°	10.2
52.5°	1.2
55°	0.7
57.5°	0.7
60°	0.5
62.5°	0.5
65°	0.5
67.5°	0.2
70°	0.2
72.5°	0.2
75°	0.2
77.5°	0.2
80°	0.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)