

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: P1248905

Luminaire Tested: P3AS09R409027DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1248905
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R409027DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

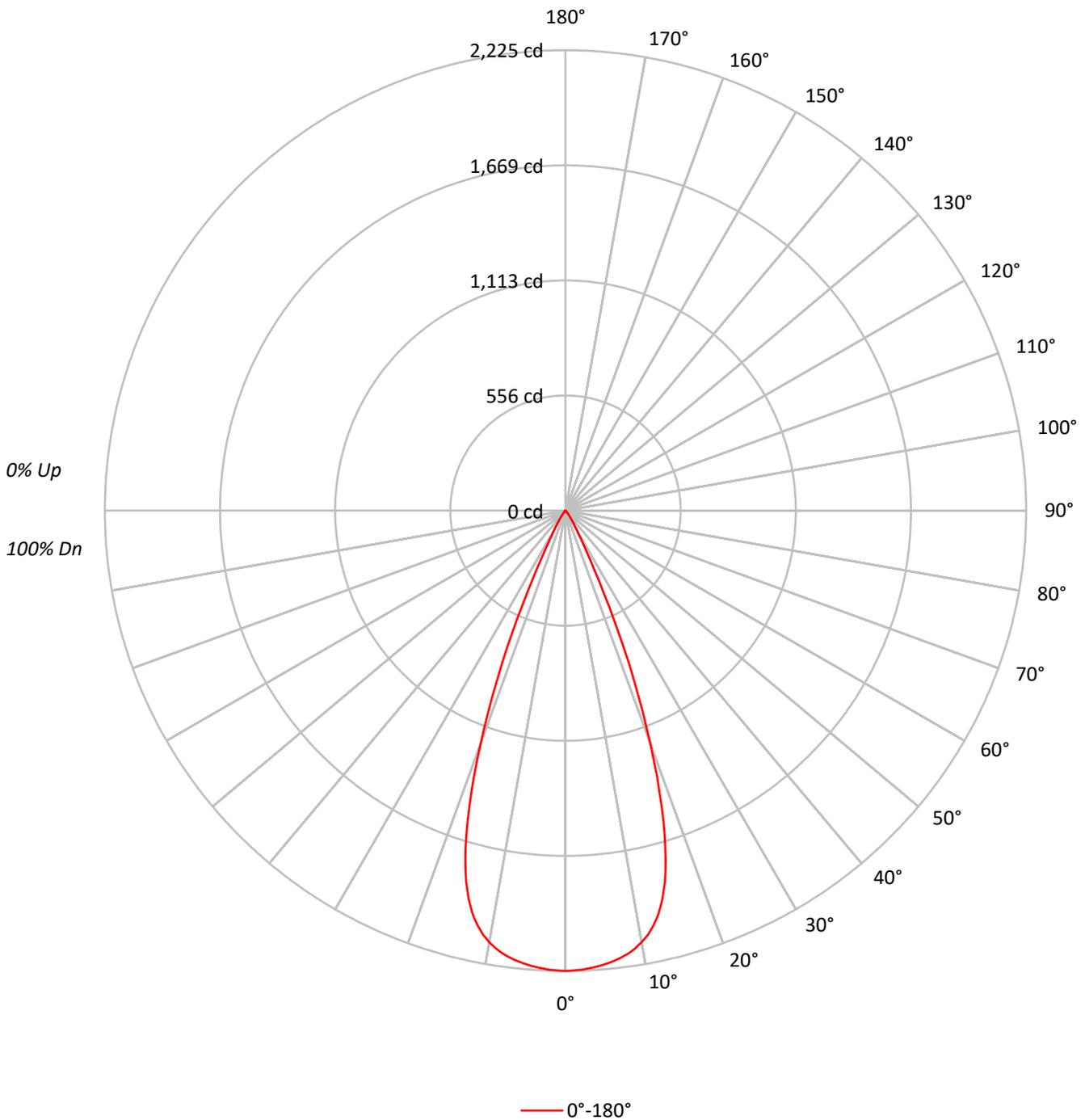
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 957.0 lumens
Efficiency: N/A
Efficacy: 86.2 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96				96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92				92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	88				88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	90	88	86	85				85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	82				82
6	96	89	85	81	95	89	84	81	87	83	81	86	83	80	85	82	80	79				79
7	93	86	81	78	92	85	81	78	84	80	77	83	80	77	82	79	77	76				76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	79	76	74	73				73
9	87	80	75	72	86	79	75	72	78	75	72	78	74	72	77	74	71	70				70
10	84	77	72	70	83	77	72	69	76	72	69	75	72	69	75	71	69	68				68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	487812
5°	484282
10°	471601
15°	421274
20°	279324
25°	104643
30°	28004
35°	10949
40°	3922
45°	1861
50°	580
55°	268
60°	132
65°	156
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1861 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.6	21.7
10°-20°	491.7	51.4
20°-30°	223.0	23.3
30°-40°	28.9	3.0
40°-50°	5.0	0.5
50°-60°	0.6	0.1
60°-70°	0.2	0.0
70°-80°	0.0	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°	922.3	96.4
0°-40°	951.2	99.4
0°-60°	956.8	100.0
0°-90°	957.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	957.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2225	
5°	2200	208
15°	1856	492
25°	432	223
35°	41	29
45°	6	5
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2224.6
1°	2223.2
2°	2219.9
3°	2214.9
4°	2208.5
5°	2200.1
6°	2190.4
7°	2178.3
8°	2163.6
9°	2143.5
10°	2118.0
11°	2088.2
12°	2048.3
13°	1999.1
14°	1934.8
15°	1855.7
16°	1754.9
17°	1639.9
18°	1501.9
19°	1356.2
20°	1197.0
21°	1037.9
22°	881.1
23°	725.0
24°	571.6
25°	432.5
26°	320.3
27°	234.5
28°	176.2
29°	137.0
30°	110.6
31°	91.5
32°	76.4
32.5°	69.7
33°	63.0
34°	51.3
35°	40.9
36°	32.2
37°	25.5
37.5°	22.8
38°	20.1
39°	16.8
40°	13.7
42.5°	9.0
45°	6.0



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	3.7
50°	1.7
52.5°	0.7
55°	0.7
57.5°	0.3
60°	0.3
62.5°	0.3
65°	0.3
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)