

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: P1246537

Luminaire Tested: P3A09R409024DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246537
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: P3A09R409024DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R40 optic, 2400K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

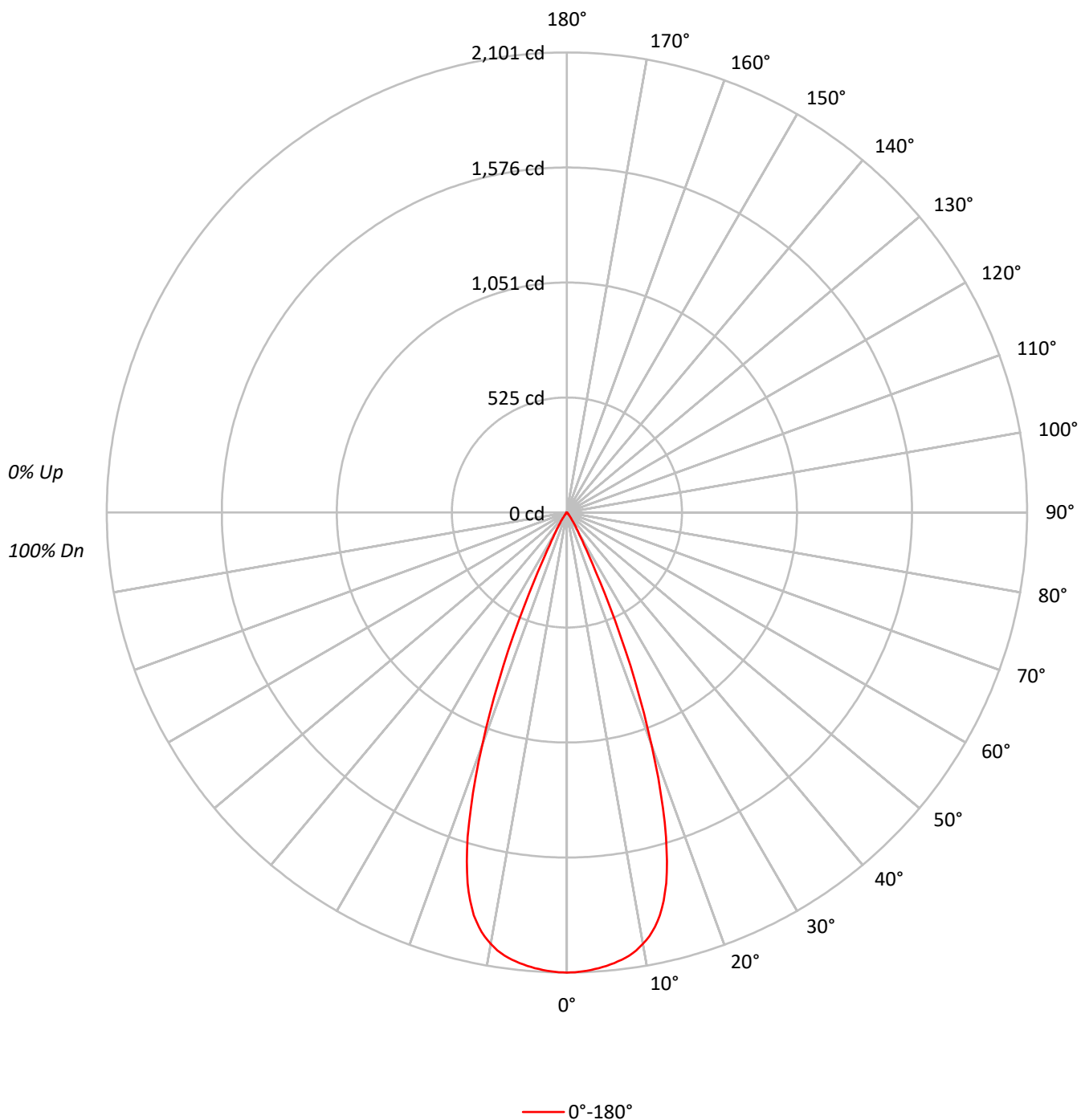
Lumens per Lamp: N/A
Luminaire Lumens: 904.0 lumens
Efficiency: N/A
Efficacy: 81.4 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
Input Voltage (V): NR
Input Current (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: 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
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	112	110	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		96
3	107	102	98	95	105	100	97	94	98	95	93		96	93	91		93
4	103	97	93	90	101	96	92	89	94	91	88		92	89	87		90
5	99	93	89	85	98	92	88	85	91	87	84		89	86	84		88
6	96	89	85	81	95	89	84	81	87	83	81		86	83	80		85
7	93	86	81	78	92	85	81	78	84	80	77		83	80	77		82
8	90	83	78	75	89	82	78	75	81	77	75		80	77	74		79
9	87	80	75	72	86	79	75	72	78	75	72		78	74	72		77
10	84	77	72	70	83	77	72	69	76	72	69		75	72	69		75

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	460796
5°	457472
10°	445483
15°	397936
20°	263876
25°	98861
30°	26434
35°	10333
40°	3721
45°	1768
50°	546
55°	229
60°	132
65°	156
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1768 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.1	21.7
10°-20°	464.5	51.4
20°-30°	210.6	23.3
30°-40°	27.3	3.0
40°-50°	4.7	0.5
50°-60°	0.5	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°	871.2	96.4
0°-40°	898.5	99.4
0°-60°	903.8	100.0
0°-90°	904.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	904.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2101	
5°	2078	196
15°	1753	464
25°	409	211
35°	39	27
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°	2101.4
1°	2100.1
2°	2096.9
3°	2092.2
4°	2086.2
5°	2078.3
6°	2069.1
7°	2057.7
8°	2043.8
9°	2024.8
10°	2000.7
11°	1972.6
12°	1934.9
13°	1888.4
14°	1827.6
15°	1752.9
16°	1657.7
17°	1549.1
18°	1418.7
19°	1281.1
20°	1130.8
21°	980.4
22°	832.3
23°	684.8
24°	539.9
25°	408.6
26°	302.5
27°	221.5
28°	166.5
29°	129.4
30°	104.4
31°	86.4
32°	72.2
32.5°	65.8
33°	59.5
34°	48.4
35°	38.6
36°	30.4
37°	24.1
37.5°	21.5
38°	19.0
39°	15.8
40°	13.0
42.5°	8.5
45°	5.7

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CANDELA DISTRIBUTION (continued):

	0°
47.5°	3.5
50°	1.6
52.5°	0.6
55°	0.6
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)