

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: P1257026

Luminaire Tested: P3AS09R409040DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1257026
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: P3AS09R409040DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

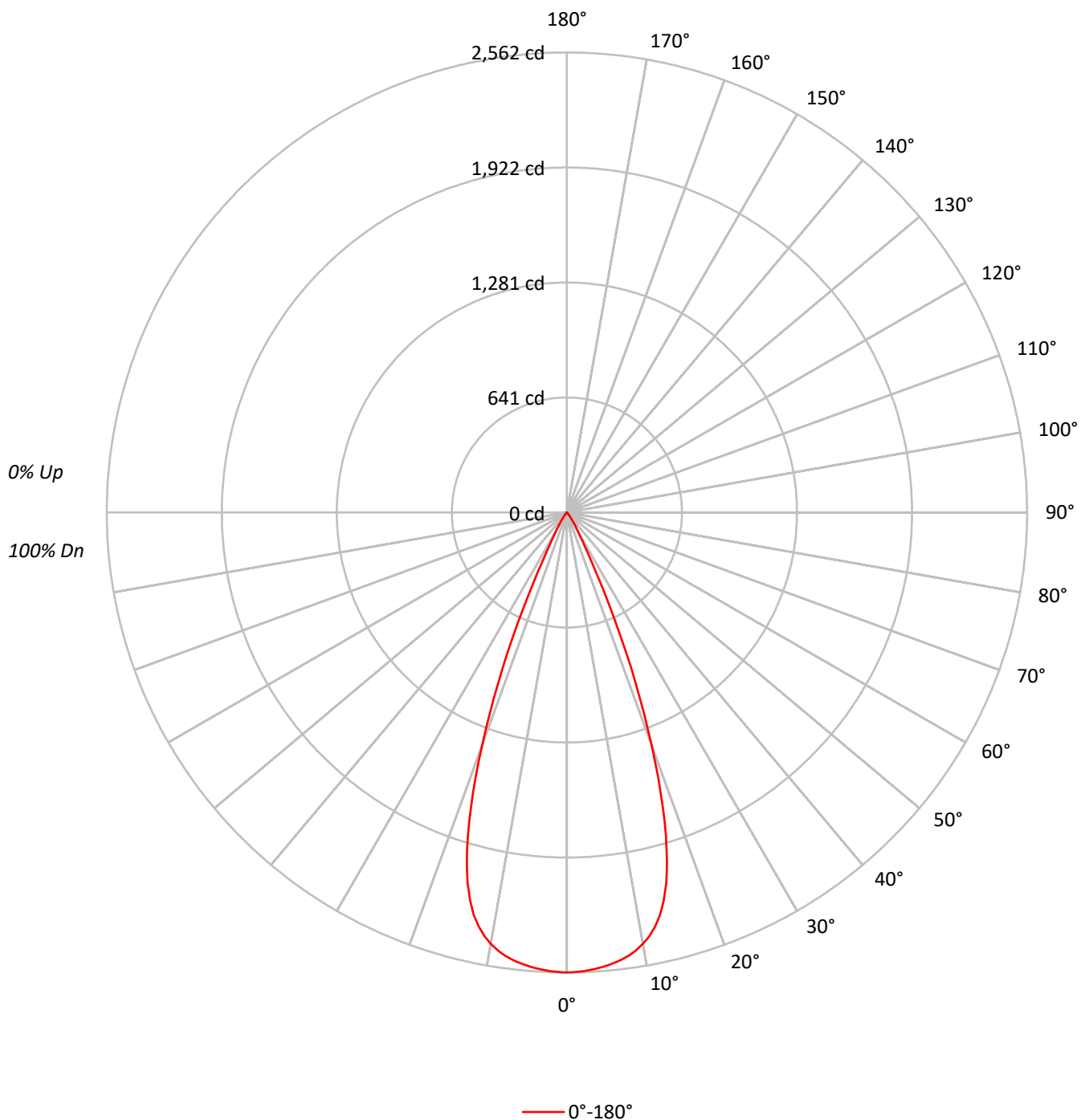
Lumens per Lamp: N/A
Luminaire Lumens: 1102.0 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	115	112	110	109		112	110	109	107		106	105	104		103	102	101		99	98	98
2	111	107	104	101		109	105	102	100		102	100	98		99	97	96		96	95	94
3	107	102	98	95		105	100	97	94		98	95	93		96	93	91		93	91	90
4	103	97	93	90		101	96	92	89		94	91	88		92	89	87		90	88	86
5	99	93	89	85		98	92	88	85		91	87	84		89	86	84		88	85	83
6	96	89	85	81		95	89	84	81		87	83	81		86	83	80		85	82	80
7	93	86	81	78		92	85	81	78		84	80	77		83	80	77		82	79	77
8	90	83	78	75		89	82	78	75		81	77	75		80	77	74		79	76	74
9	87	80	75	72		86	79	75	72		78	75	72		78	74	72		77	74	71
10	84	77	72	70		83	77	72	69		76	72	69		75	72	69		74	71	69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	561709
5°	557670
10°	543054
15°	485111
20°	321655
25°	120515
30°	32233
35°	12608
40°	4523
45°	2140
50°	648
55°	306
60°	175
65°	208
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 2140 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.1	21.7
10°-20°	566.2	51.4
20°-30°	256.8	23.3
30°-40°	33.3	3.0
40°-50°	5.7	0.5
50°-60°	0.7	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°	1062.0	96.4
0°-40°	1095.3	99.4
0°-60°	1101.8	100.0
0°-90°	1102.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1102.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2562	
5°	2534	239
15°	2137	566
25°	498	257
35°	47	33
45°	7	6
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2561.6
1°	2560.1
2°	2556.2
3°	2550.4
4°	2543.1
5°	2533.5
6°	2522.3
7°	2508.4
8°	2491.4
9°	2468.3
10°	2438.9
11°	2404.6
12°	2358.7
13°	2302.0
14°	2227.9
15°	2136.9
16°	2020.8
17°	1888.4
18°	1729.5
19°	1561.7
20°	1378.4
21°	1195.2
22°	1014.6
23°	834.8
24°	658.2
25°	498.1
26°	368.8
27°	270.1
28°	202.9
29°	157.8
30°	127.3
31°	105.3
32°	88.0
32.5°	80.2
33°	72.5
34°	59.0
35°	47.1
36°	37.0
37°	29.3
37.5°	26.2
38°	23.1
39°	19.3
40°	15.8
42.5°	10.4
45°	6.9



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	4.2
50°	1.9
52.5°	0.8
55°	0.8
57.5°	0.4
60°	0.4
62.5°	0.4
65°	0.4
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)