

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: P1247265

Luminaire Tested: P3A17R309024DE010 E3D1WH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247265
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R309024DE010 E3D1WH
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3D1WH TRIM
Light Source: -
Ballast/Driver: -

Summary

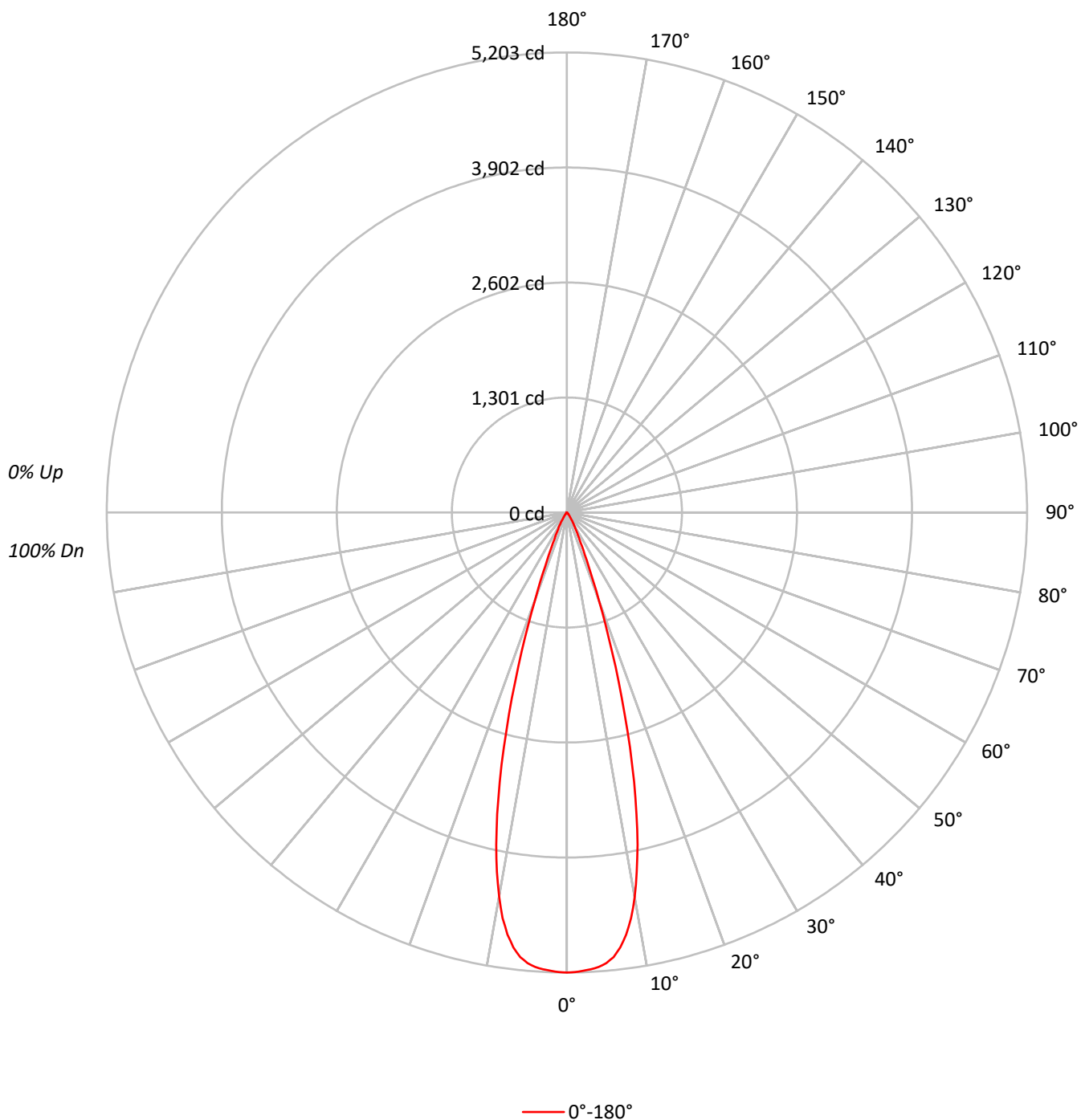
Lumens per Lamp: N/A
Luminaire Lumens: 1434.0 lumens
Efficiency: N/A
Efficacy: 67.6 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.47
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	94	93	92
3	108	103	100	97	106	102	99	96	99	97	95	97	95	93	95	93	92	90	89	88
4	105	99	95	92	103	98	95	92	96	93	91	94	92	90	93	91	89	88	87	86
5	101	96	92	89	100	95	91	88	93	90	87	92	89	87	90	88	86	85	84	83
6	99	92	88	85	97	92	88	85	90	87	84	89	86	84	88	85	83	82	81	80
7	96	89	85	82	95	89	85	82	88	84	82	87	84	81	86	83	81	80	79	78
8	93	87	83	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78	77	76
9	91	84	80	77	90	84	80	77	83	79	77	82	79	77	82	79	77	76	75	74
10	88	82	78	75	88	81	78	75	81	77	75	80	77	75	80	77	75	74	73	72

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1140939
5°	1126059
10°	983148
15°	624907
20°	247588
25°	82698
30°	38487
35°	17427
40°	6698
45°	3287
50°	955
55°	421
60°	263
65°	311
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3287 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	467.7	32.6
10°-20°	725.3	50.6
20°-30°	187.0	13.0
30°-40°	43.9	3.1
40°-50°	8.6	0.6
50°-60°	1.0	0.1
60°-70°	0.5	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°	1380.0	96.2
0°-40°	1423.9	99.3
0°-60°	1433.5	100.0
0°-90°	1434.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1434.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5203	
5°	5116	468
15°	2753	725
25°	342	187
35°	65	44
45°	11	9
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	5203.1
1°	5199.2
2°	5186.9
3°	5173.0
4°	5152.4
5°	5115.7
6°	5056.1
7°	4957.0
8°	4821.8
9°	4645.3
10°	4415.4
11°	4142.1
12°	3843.7
13°	3500.3
14°	3140.7
15°	2752.7
16°	2372.5
17°	2006.2
18°	1654.9
19°	1332.6
20°	1061.0
21°	835.0
22°	656.9
23°	519.9
24°	416.4
25°	341.8
26°	285.0
27°	242.1
28°	209.3
29°	179.2
30°	152.0
32.5°	95.7
35°	65.1
37.5°	40.6
40°	23.4
42.5°	15.6
45°	10.6
47.5°	6.1
50°	2.8
52.5°	1.1
55°	1.1
57.5°	0.6
60°	0.6
62.5°	0.6
65°	0.6

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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.6
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)