

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: P1246387

Luminaire Tested: P3A09R159024DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246387
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R159024DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

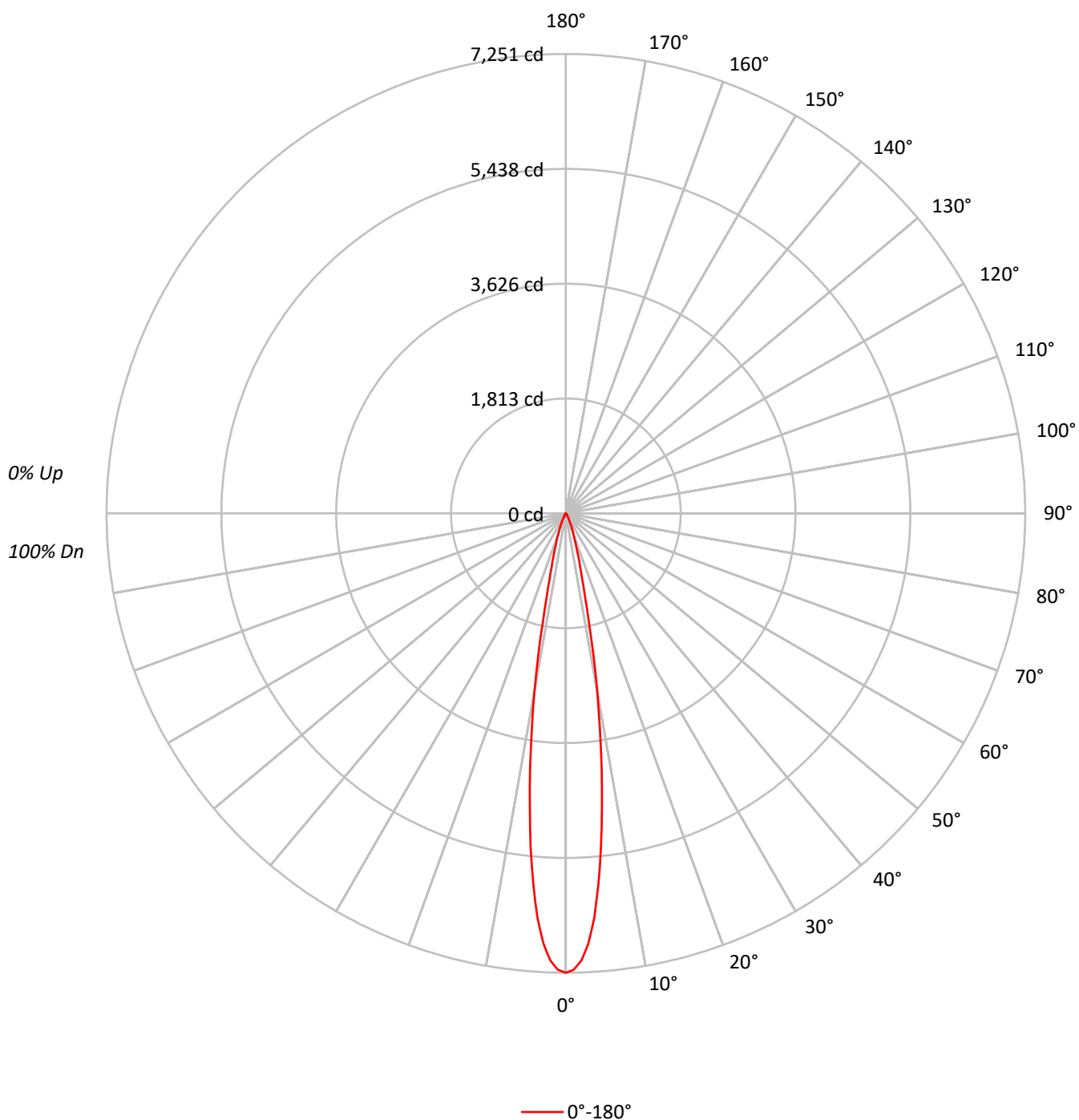
Lumens per Lamp: N/A
Luminaire Lumens: 835.0 lumens
Efficiency: N/A
Efficacy: 75.2 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	116	114	112	111	113	112	110	109	108	107	105		104	103	102		101
2	112	109	107	105	110	108	105	103	105	103	101		102	100	99		99
3	110	106	102	100	108	104	102	99	102	100	98		100	98	96		98
4	107	102	99	96	106	101	98	96	99	97	95		98	96	94		96
5	105	100	96	94	103	99	96	93	97	94	92		96	93	92		94
6	102	97	94	91	101	96	93	91	95	92	90		94	92	90		93
7	100	95	91	89	99	94	91	89	93	90	88		92	90	88		91
8	98	93	89	87	97	92	89	87	91	89	87		91	88	86		90
9	96	91	88	85	96	91	87	85	90	87	85		89	87	85		89
10	95	89	86	84	94	89	86	84	88	85	83		88	85	83		87

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1590048
5°	1296585
10°	634992
15°	194348
20°	82304
25°	37236
30°	14509
35°	6692
40°	2090
45°	775
50°	307
55°	115
60°	132
65°	156
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 775 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	458.5	54.9
10°-20°	281.3	33.7
20°-30°	75.6	9.1
30°-40°	16.6	2.0
40°-50°	2.3	0.3
50°-60°	0.4	0.0
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°	815.4	97.7
0°-40°	832.1	99.7
0°-60°	834.8	100.0
0°-90°	835.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	835.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7251	
5°	5890	458
15°	856	281
25°	154	76
35°	25	17
45°	2	2
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7251.2
1°	7206.0
2°	7060.6
3°	6798.8
4°	6404.6
5°	5890.4
6°	5308.8
7°	4661.0
8°	4065.7
9°	3434.7
10°	2851.8
11°	2274.9
12°	1750.3
13°	1346.3
14°	1065.7
15°	856.1
17.5°	530.7
20°	352.7
22.5°	237.5
25°	153.9
27.5°	91.2
30°	57.3
32.5°	38.6
35°	25.0
37.5°	13.9
40°	7.3
42.5°	4.1
45°	2.5
47.5°	1.6
50°	0.9
52.5°	0.6
55°	0.3
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



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)