

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: P1264553

Luminaire Tested: P3A09R159730DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1264553
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R159730DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

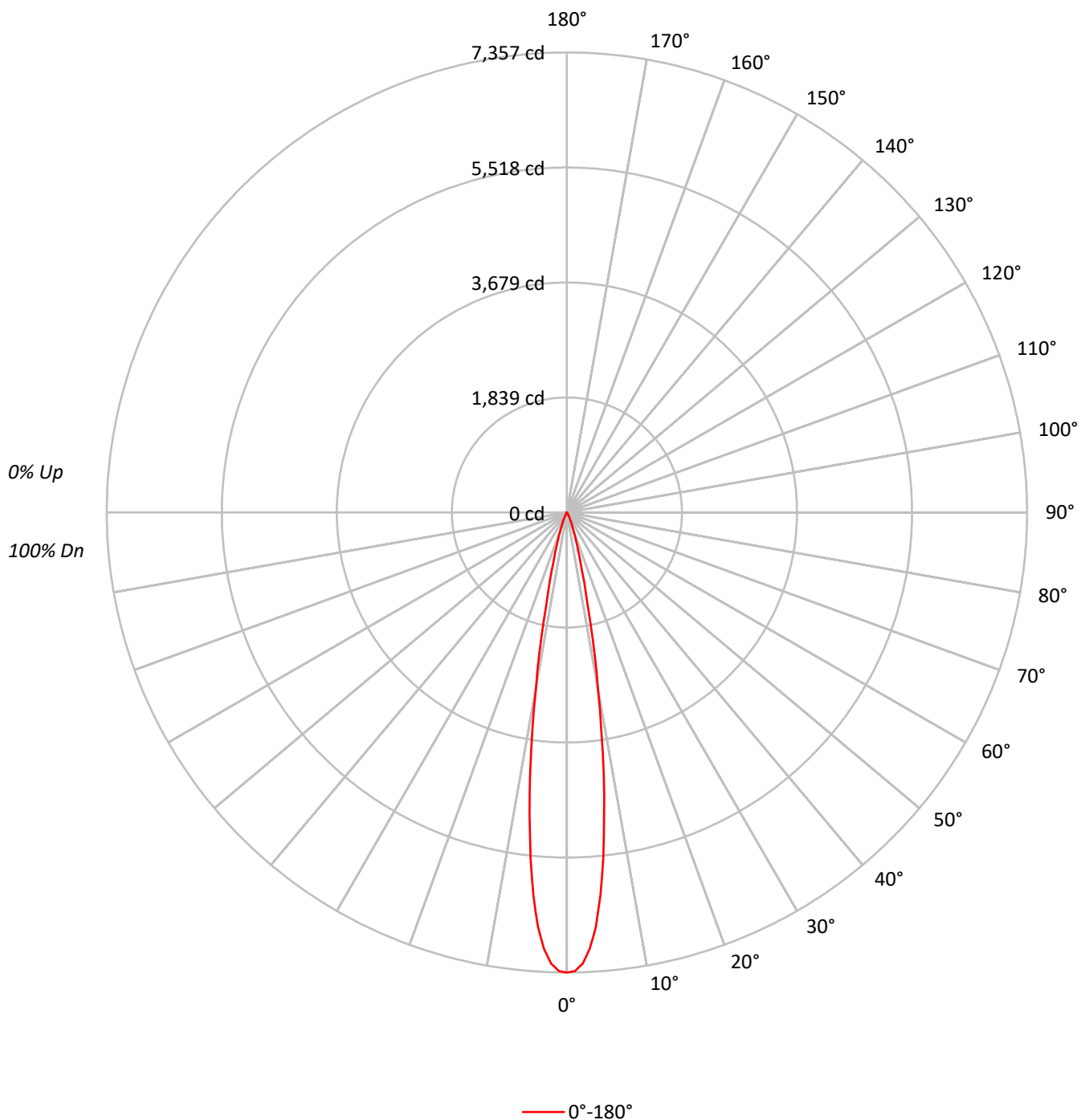
Lumens per Lamp: N/A
Luminaire Lumens: 830.1 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	100	100	98
2	113	110	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	97	95	95	95	94
4	107	103	100	97	106	102	99	97	100	97	95	98	96	94	97	95	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	92	92	91
6	103	98	94	92	102	97	94	92	96	93	91	95	92	91	94	92	90	90	90	89
7	101	96	92	90	100	95	92	90	94	91	89	93	91	89	92	90	89	89	89	88
8	99	94	90	88	98	93	90	88	92	90	88	92	89	87	91	89	87	87	87	86
9	97	92	89	87	97	92	89	86	91	88	86	90	88	86	90	87	86	86	86	85
10	96	90	87	85	95	90	87	85	89	87	85	89	86	85	88	86	85	85	85	84

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1613314
5°	1352121
10°	636906
15°	192010
20°	71056
25°	27631
30°	10305
35°	3159
40°	1116
45°	620
50°	443
55°	497
60°	570
65°	363
70°	449
75°	593
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 620 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	474.9	57.2
10°-20°	282.3	34.0
20°-30°	59.3	7.1
30°-40°	9.6	1.2
40°-50°	1.6	0.2
50°-60°	1.2	0.1
60°-70°	0.8	0.1
70°-80°	0.5	0.1
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°	816.5	98.4
0°-40°	826.0	99.5
0°-60°	828.8	99.9
0°-90°	830.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	830.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7357	
5°	6143	475
15°	846	282
25°	114	59
35°	12	10
45°	2	2
55°	1	1
65°	1	1
75°	1	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7357.3
1°	7334.4
2°	7217.6
3°	6984.0
4°	6641.4
5°	6142.7
6°	5556.7
7°	4886.7
8°	4246.9
9°	3522.5
10°	2860.4
12.5°	1543.4
15°	845.8
17.5°	495.4
20°	304.5
22.5°	186.4
25°	114.2
27.5°	68.9
30°	40.7
32.5°	23.0
35°	11.8
37.5°	6.6
40°	3.9
42.5°	2.6
45°	2.0
47.5°	1.3
50°	1.3
52.5°	1.3
55°	1.3
57.5°	1.3
60°	1.3
62.5°	0.7
65°	0.7
67.5°	0.7
70°	0.7
72.5°	0.7
75°	0.7
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)