

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: P1245602

Luminaire Tested: P3A02R159024DE010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245602
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R159024DE010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

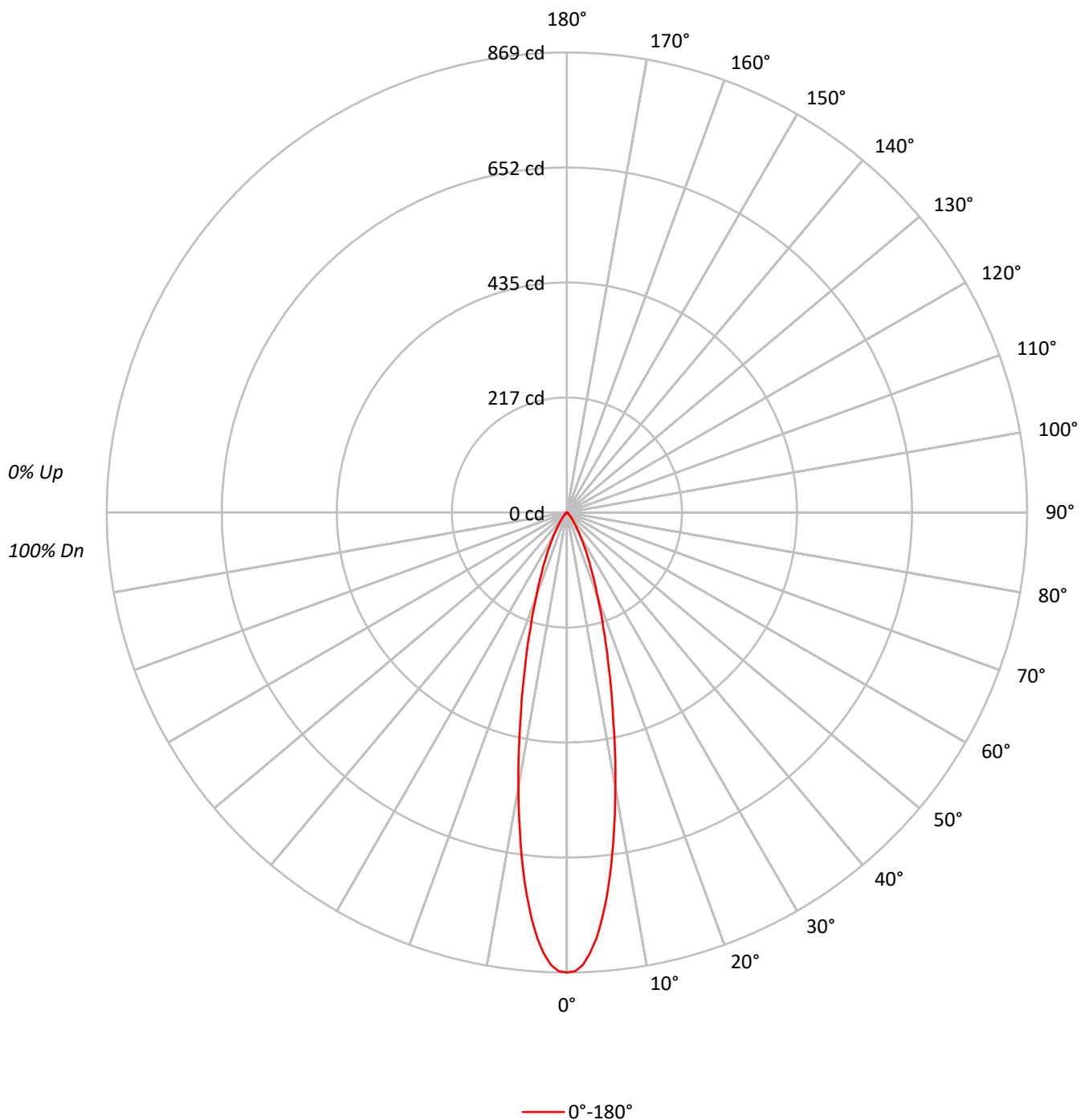
Lumens per Lamp: N/A
Luminaire Lumens: 222.9 lumens
Efficiency: N/A
Efficacy: 61.9 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.43
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	103	100	108	104	101	99	101	99	97		98	96	95		96
3	106	101	97	93	104	99	96	93	97	94	91		94	92	90		92
4	102	96	92	88	100	95	91	88	93	89	87		91	88	86		89
5	98	92	87	84	97	91	87	83	89	86	83		88	84	82		86
6	95	88	83	80	94	87	83	80	86	82	79		85	81	79		83
7	92	85	80	77	91	84	80	76	83	79	76		82	78	76		81
8	89	81	77	74	88	81	77	73	80	76	73		79	76	73		78
9	86	79	74	71	85	78	74	71	77	73	71		77	73	70		76
10	84	76	71	68	83	76	71	68	75	71	68		74	71	68		74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	190511
5°	169095
10°	117433
15°	69444
20°	39553
25°	22598
30°	12508
35°	6666
40°	3693
45°	1985
50°	1262
55°	994
60°	833
65°	778
70°	705
75°	763
80°	505
85°	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1985 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.3	29.3
10°-20°	86.2	38.7
20°-30°	44.4	19.9
30°-40°	16.7	7.5
40°-50°	5.4	2.4
50°-60°	2.3	1.0
60°-70°	1.5	0.7
70°-80°	0.9	0.4
80°-90°	0.2	0.1
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°	195.9	87.9
0°-40°	212.6	95.4
0°-60°	220.4	98.8
0°-90°	222.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	222.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	869	
5°	768	65
15°	306	86
25°	93	44
35°	25	17
45°	6	5
55°	3	2
65°	2	1
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	868.8
1°	867.0
2°	855.6
3°	834.0
4°	805.4
5°	768.2
6°	726.1
7°	679.9
8°	628.6
9°	577.9
10°	527.4
12.5°	405.8
15°	305.9
17.5°	229.0
20°	169.5
22.5°	126.5
25°	93.4
27.5°	68.1
30°	49.4
32.5°	35.0
35°	24.9
37.5°	17.8
40°	12.9
42.5°	9.2
45°	6.4
47.5°	4.7
50°	3.7
52.5°	3.0
55°	2.6
57.5°	2.1
60°	1.9
62.5°	1.7
65°	1.5
67.5°	1.3
70°	1.1
72.5°	1.1
75°	0.9
77.5°	0.6
80°	0.4
82.5°	0.4
85°	0.2
87.5°	0.0
90°	0.0

(END OF REPORT)