

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: P1246391

Luminaire Tested: P3A09R159024DE010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246391
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: P3A09R159024DE010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

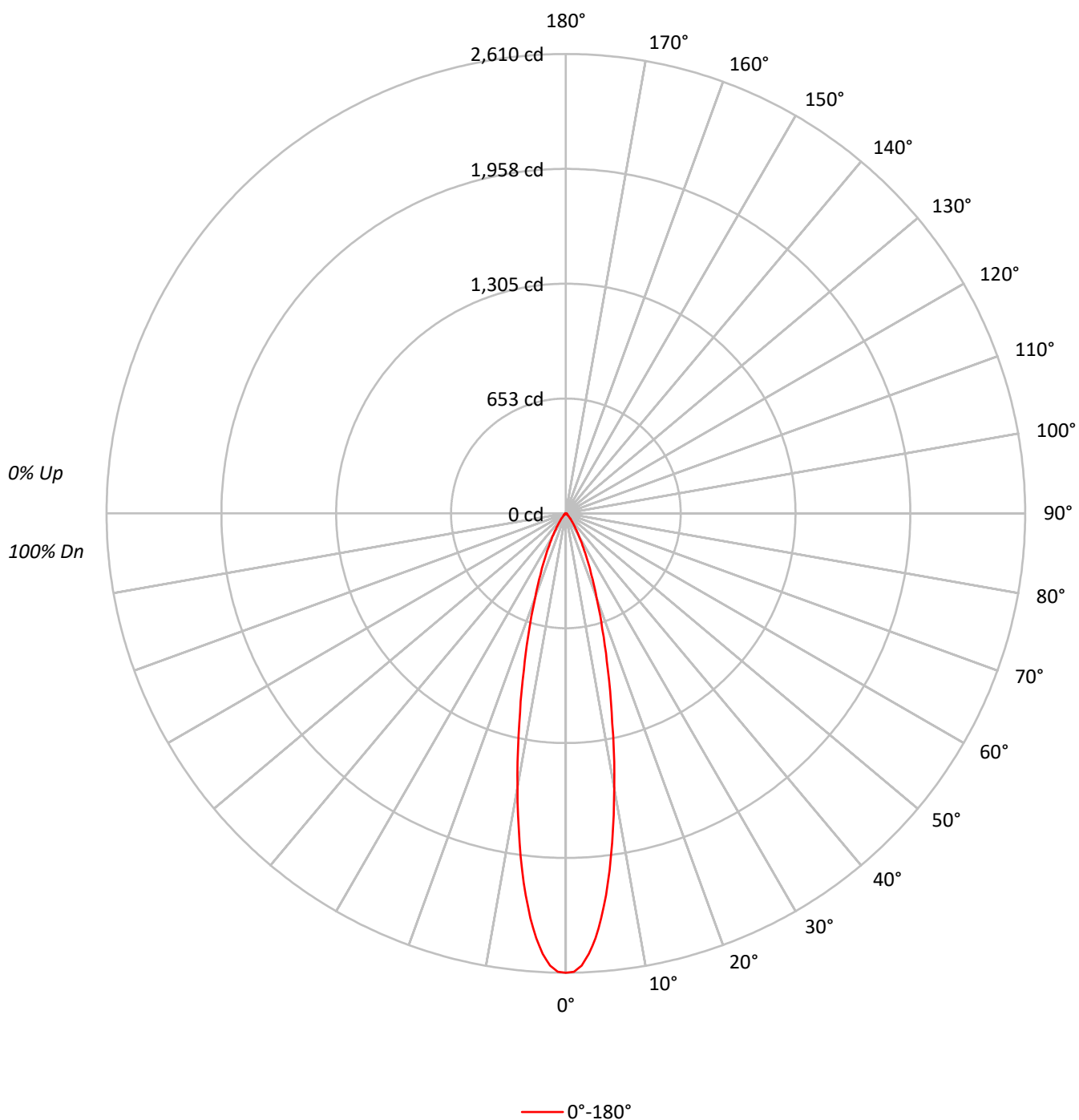
Lumens per Lamp: N/A
Luminaire Lumens: 670.0 lumens
Efficiency: N/A
Efficacy: 60.4 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.43
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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	85	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	75	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°	572366
5°	508055
10°	352832
15°	208650
20°	118847
25°	67939
30°	37601
35°	20050
40°	11078
45°	6016
50°	3753
55°	2944
60°	2544
65°	2335
70°	2052
75°	2203
80°	1642
85°	1510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 6016 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.3	29.3
10°-20°	259.0	38.7
20°-30°	133.4	19.9
30°-40°	50.1	7.5
40°-50°	16.4	2.4
50°-60°	7.0	1.1
60°-70°	4.5	0.7
70°-80°	2.6	0.4
80°-90°	0.7	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°	588.7	87.9
0°-40°	638.8	95.3
0°-60°	662.2	98.8
0°-90°	670.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	670.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2610	
5°	2308	196
15°	919	259
25°	281	133
35°	75	50
45°	19	16
55°	8	7
65°	4	4
75°	3	3
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2610.2
1°	2605.0
2°	2570.8
3°	2505.6
4°	2419.7
5°	2308.1
6°	2181.6
7°	2042.8
8°	1888.6
9°	1736.2
10°	1584.6
12.5°	1219.2
15°	919.1
17.5°	688.0
20°	509.3
22.5°	380.2
25°	280.8
27.5°	204.6
30°	148.5
32.5°	105.2
35°	74.9
37.5°	53.6
40°	38.7
42.5°	27.8
45°	19.4
47.5°	14.2
50°	11.0
52.5°	9.0
55°	7.7
57.5°	6.5
60°	5.8
62.5°	5.2
65°	4.5
67.5°	3.9
70°	3.2
72.5°	3.2
75°	2.6
77.5°	1.9
80°	1.3
82.5°	1.3
85°	0.6
87.5°	0.0
90°	0.0

(END OF REPORT)