

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: P1246364

Luminaire Tested: P3A09R109024DE010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246364
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: P3A09R109024DE010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R10 optic, 2400K CCT AND, 90CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

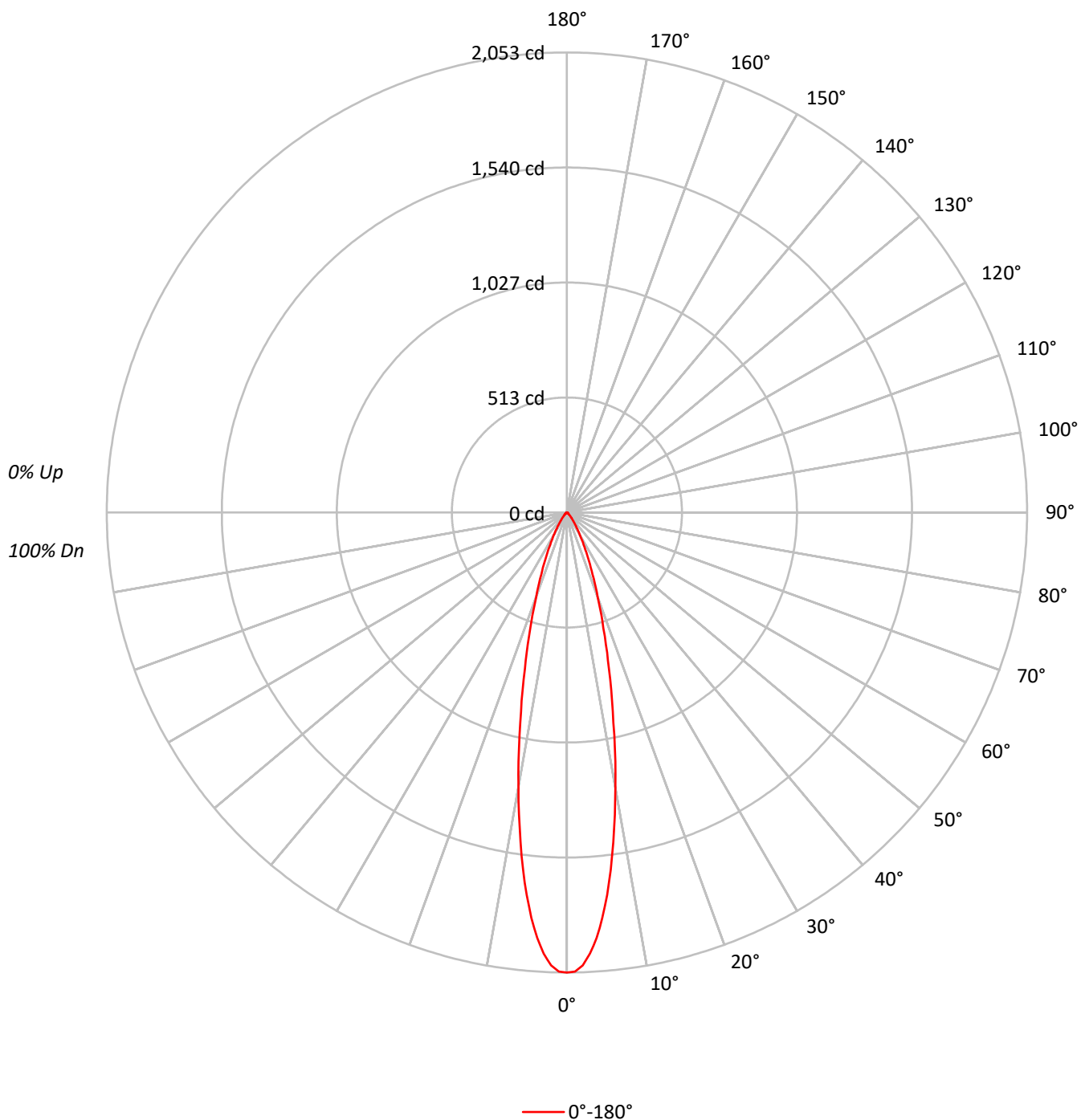
Lumens per Lamp: N/A
Luminaire Lumens: 527.0 lumens
Efficiency: N/A
Efficacy: 42.2 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.43
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.5
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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	106	103	100	108	104	101	99	101	99	97		98	96	95		96	94	93	91
3	106	101	97	93	104	99	96	93	97	94	91		94	92	90		92	90	88	87
4	102	96	92	88	100	95	91	88	93	89	87		91	88	86		89	87	85	83
5	98	92	87	84	97	91	87	83	89	86	83		88	84	82		86	83	81	80
6	95	88	83	80	94	87	83	80	86	82	79		85	81	79		83	80	78	77
7	92	85	80	77	91	84	80	76	83	79	76		82	78	76		81	78	75	74
8	89	81	77	74	88	81	77	73	80	76	73		79	75	73		78	75	73	72
9	86	79	74	71	85	78	74	71	77	73	71		77	73	70		76	73	70	69
10	84	76	71	68	83	76	71	68	75	71	68		74	71	68		74	70	68	67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	450205
5°	399625
10°	277528
15°	164110
20°	93481
25°	53422
30°	29574
35°	15767
40°	8731
45°	4714
50°	2934
55°	2332
60°	2017
65°	1868
70°	1603
75°	1694
80°	1263
85°	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 4714 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.4	29.3
10°-20°	203.7	38.7
20°-30°	104.9	19.9
30°-40°	39.4	7.5
40°-50°	12.9	2.4
50°-60°	5.6	1.1
60°-70°	3.5	0.7
70°-80°	2.0	0.4
80°-90°	0.5	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°	463.0	87.9
0°-40°	502.4	95.3
0°-60°	520.9	98.8
0°-90°	527.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	527.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2053	
5°	1816	154
15°	723	204
25°	221	105
35°	59	39
45°	15	13
55°	6	6
65°	4	4
75°	2	2
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2053.1
1°	2049.0
2°	2022.1
3°	1970.8
4°	1903.3
5°	1815.5
6°	1716.0
7°	1606.8
8°	1485.5
9°	1365.7
10°	1246.4
12.5°	959.0
15°	722.9
17.5°	541.2
20°	400.6
22.5°	299.0
25°	220.8
27.5°	160.9
30°	116.8
32.5°	82.8
35°	58.9
37.5°	42.1
40°	30.5
42.5°	21.8
45°	15.2
47.5°	11.2
50°	8.6
52.5°	7.1
55°	6.1
57.5°	5.1
60°	4.6
62.5°	4.1
65°	3.6
67.5°	3.0
70°	2.5
72.5°	2.5
75°	2.0
77.5°	1.5
80°	1.0
82.5°	1.0
85°	0.5
87.5°	0.0
90°	0.0

(END OF REPORT)