

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: P1256853

Luminaire Tested: P3AS09R109040DE010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1256853
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: P3AS09R109040DE010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R10 optic, 4000K CCT AND, 90CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

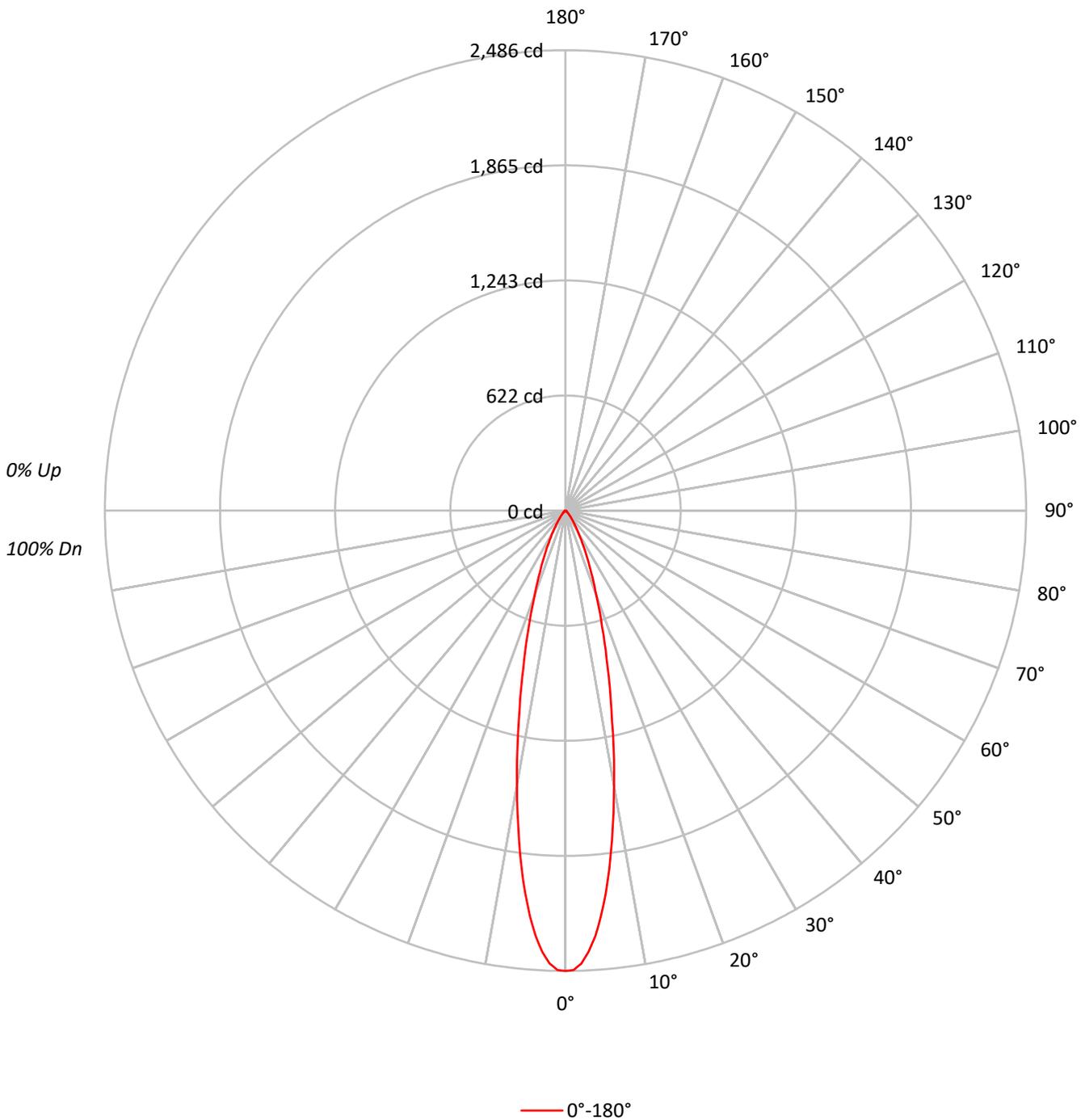
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 638.0 lumens
Efficiency: N/A
Efficacy: 51.0 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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	98	97	95
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	96	94	93	91
3	106	101	97	93	104	99	96	93	97	94	91	94	92	90	92	90	88	92	90	88	87
4	102	96	92	88	100	95	91	88	93	89	87	91	88	86	89	87	85	89	87	85	83
5	98	92	87	84	97	91	87	83	89	86	83	88	84	82	86	83	81	86	83	81	80
6	95	88	83	80	94	87	83	80	86	82	79	85	81	79	83	80	78	83	80	78	77
7	92	85	80	77	91	84	80	76	83	79	76	82	78	76	81	78	75	81	78	75	74
8	89	81	77	74	88	81	77	73	80	76	73	79	75	73	78	75	73	78	75	73	72
9	86	79	74	71	85	78	74	71	77	73	71	77	73	70	76	73	70	76	73	70	69
10	84	76	71	68	83	76	71	68	75	71	68	74	71	68	74	70	68	74	70	68	67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	545022
5°	483776
10°	335977
15°	198684
20°	113153
25°	64697
30°	35803
35°	19086
40°	10563
45°	5706
50°	3548
55°	2829
60°	2412
65°	2231
70°	1988
75°	2118
80°	1515
85°	1510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5706 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.9	29.3
10°-20°	246.7	38.7
20°-30°	127.0	19.9
30°-40°	47.7	7.5
40°-50°	15.6	2.4
50°-60°	6.7	1.0
60°-70°	4.3	0.7
70°-80°	2.5	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°	560.6	87.9
0°-40°	608.3	95.3
0°-60°	630.5	98.8
0°-90°	638.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	638.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2486	
5°	2198	187
15°	875	247
25°	267	127
35°	71	48
45°	18	16
55°	7	7
65°	4	4
75°	2	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2485.5
1°	2480.6
2°	2448.0
3°	2385.9
4°	2304.2
5°	2197.8
6°	2077.4
7°	1945.2
8°	1798.4
9°	1653.3
10°	1508.9
12.5°	1161.0
15°	875.2
17.5°	655.2
20°	484.9
22.5°	362.0
25°	267.4
27.5°	194.8
30°	141.4
32.5°	100.2
35°	71.3
37.5°	51.0
40°	36.9
42.5°	26.4
45°	18.4
47.5°	13.5
50°	10.4
52.5°	8.6
55°	7.4
57.5°	6.1
60°	5.5
62.5°	4.9
65°	4.3
67.5°	3.7
70°	3.1
72.5°	3.1
75°	2.5
77.5°	1.8
80°	1.2
82.5°	1.2
85°	0.6
87.5°	0.0
90°	0.0

(END OF REPORT)