

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: P1258960

Luminaire Tested: P3AS02R509050DE010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258960
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS02R509050DE010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 5000K CCT AND, 90CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

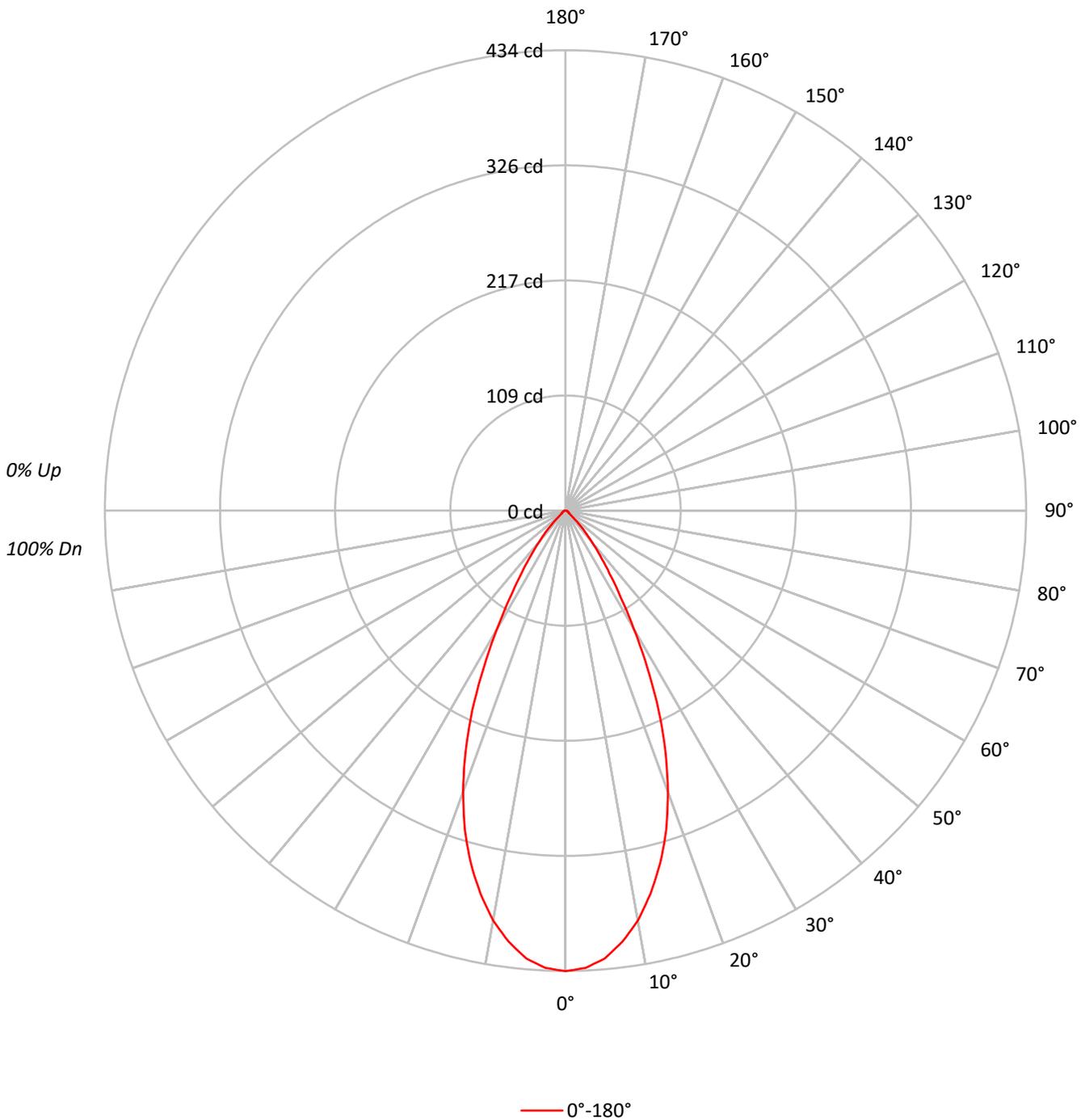
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 299.0 lumens
Efficiency: N/A
Efficacy: 83.1 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
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			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	100			100
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94			94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87			87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82			82
4	98	91	85	81	96	90	85	81	87	83	80	85	82	79	84	80	78	76			76
5	93	85	80	75	92	84	79	75	83	78	74	81	77	74	79	76	73	72			72
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	75	72	69	67			67
7	85	76	70	66	84	75	70	66	74	69	66	73	69	65	72	68	65	64			64
8	81	72	66	62	80	71	66	62	70	65	62	69	65	62	68	64	61	60			60
9	78	68	63	59	76	68	62	59	67	62	59	66	62	58	65	61	58	57			57
10	74	65	59	56	73	65	59	56	64	59	55	63	58	55	62	58	55	54			54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	95190
5°	93286
10°	87373
15°	78207
20°	65829
25°	50229
30°	32638
35°	19354
40°	11192
45°	5613
50°	2081
55°	1644
60°	1535
65°	1401
70°	1346
75°	1356
80°	1389
85°	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5613 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.4	13.2
10°-20°	95.3	31.9
20°-30°	93.5	31.3
30°-40°	47.1	15.7
40°-50°	14.9	5.0
50°-60°	3.9	1.3
60°-70°	2.7	0.9
70°-80°	1.7	0.6
80°-90°	0.6	0.2
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°	228.2	76.3
0°-40°	275.3	92.1
0°-60°	294.0	98.3
0°-90°	299.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	299.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	434	
5°	424	39
15°	344	95
25°	208	93
35°	72	47
45°	18	15
55°	4	4
65°	3	3
75°	2	2
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	434.1
2.5°	431.5
5°	423.8
7.5°	409.9
10°	392.4
12.5°	369.8
15°	344.5
17.5°	315.3
20°	282.1
22.5°	246.2
25°	207.6
27.5°	166.7
30°	128.9
32.5°	97.0
35°	72.3
37.5°	53.4
40°	39.1
42.5°	27.6
45°	18.1
47.5°	10.4
50°	6.1
52.5°	4.5
55°	4.3
57.5°	3.7
60°	3.5
62.5°	3.2
65°	2.7
67.5°	2.4
70°	2.1
72.5°	1.9
75°	1.6
77.5°	1.3
80°	1.1
82.5°	0.8
85°	0.5
87.5°	0.3
90°	0.0

(END OF REPORT)