

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: P1258951

Luminaire Tested: P3AS02R509050DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258951
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS02R509050DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 5000K CCT AND, 90CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

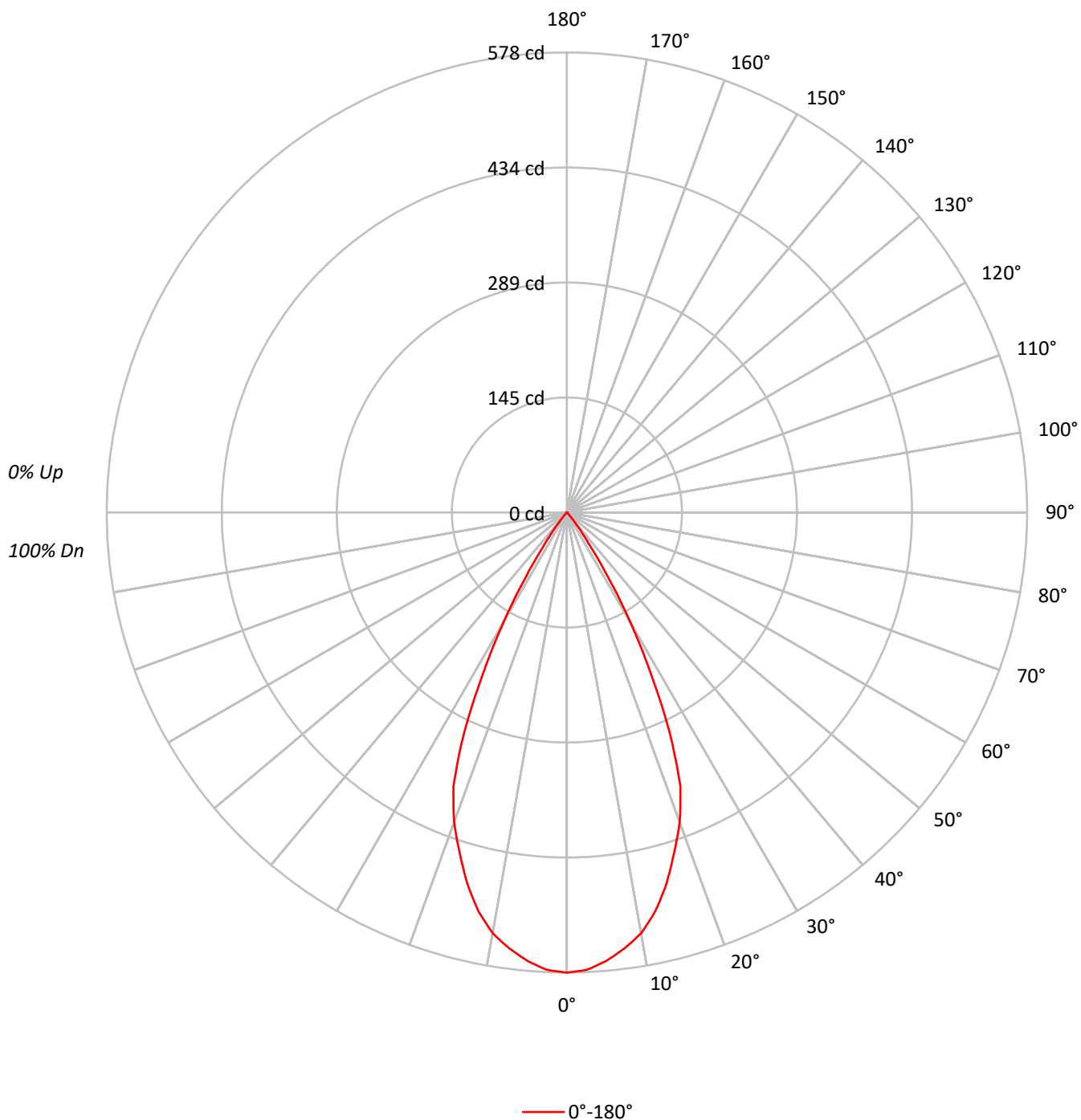
Lumens per Lamp: N/A
Luminaire Lumens: 364.0 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	112	109	107	112	109	107	106	105	104	102		102	101	99		98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	93	91	90
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		91	88	86	85
4	100	94	89	85	99	92	88	85	90	87	84		88	85	83		87	84	82	80
5	96	89	84	80	94	88	83	79	86	82	79		84	81	78		83	80	77	76
6	92	84	79	75	91	83	79	75	82	78	74		81	77	74		79	76	73	72
7	88	80	75	71	87	79	74	71	78	74	71		77	73	70		76	73	70	69
8	85	76	71	67	83	76	71	67	75	70	67		74	70	67		73	69	66	65
9	81	73	68	64	80	72	67	64	71	67	64		71	66	63		70	66	63	62
10	78	69	64	61	77	69	64	61	68	64	61		68	63	61		67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	126766
5°	124499
10°	119548
15°	109626
20°	96655
25°	74085
30°	40285
35°	12956
40°	3034
45°	403
50°	375
55°	421
60°	351
65°	415
70°	321
75°	424
80°	379
85°	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 85°

Luminance: 755 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.1	14.6
10°-20°	134.2	36.9
20°-30°	134.4	36.9
30°-40°	37.8	10.4
40°-50°	2.3	0.6
50°-60°	0.9	0.2
60°-70°	0.7	0.2
70°-80°	0.4	0.1
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°	321.7	88.4
0°-40°	359.5	98.8
0°-60°	362.7	99.6
0°-90°	364.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	364.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	578	
5°	566	53
15°	483	134
25°	306	134
35°	48	38
45°	1	2
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	578.1
2.5°	575.2
5°	565.6
7.5°	552.6
10°	536.9
12.5°	513.2
15°	482.9
17.5°	448.0
20°	414.2
22.5°	372.2
25°	306.2
27.5°	228.0
30°	159.1
32.5°	96.0
35°	48.4
37.5°	22.9
40°	10.6
42.5°	4.0
45°	1.3
47.5°	1.1
50°	1.1
52.5°	1.1
55°	1.1
57.5°	0.8
60°	0.8
62.5°	0.8
65°	0.8
67.5°	0.5
70°	0.5
72.5°	0.5
75°	0.5
77.5°	0.3
80°	0.3
82.5°	0.3
85°	0.3
87.5°	0.0
90°	0.0

(END OF REPORT)