

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: P1260455

Luminaire Tested: P3AS17R509050DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1260455
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: P3AS17R509050DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 5000K CCT AND, 90CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

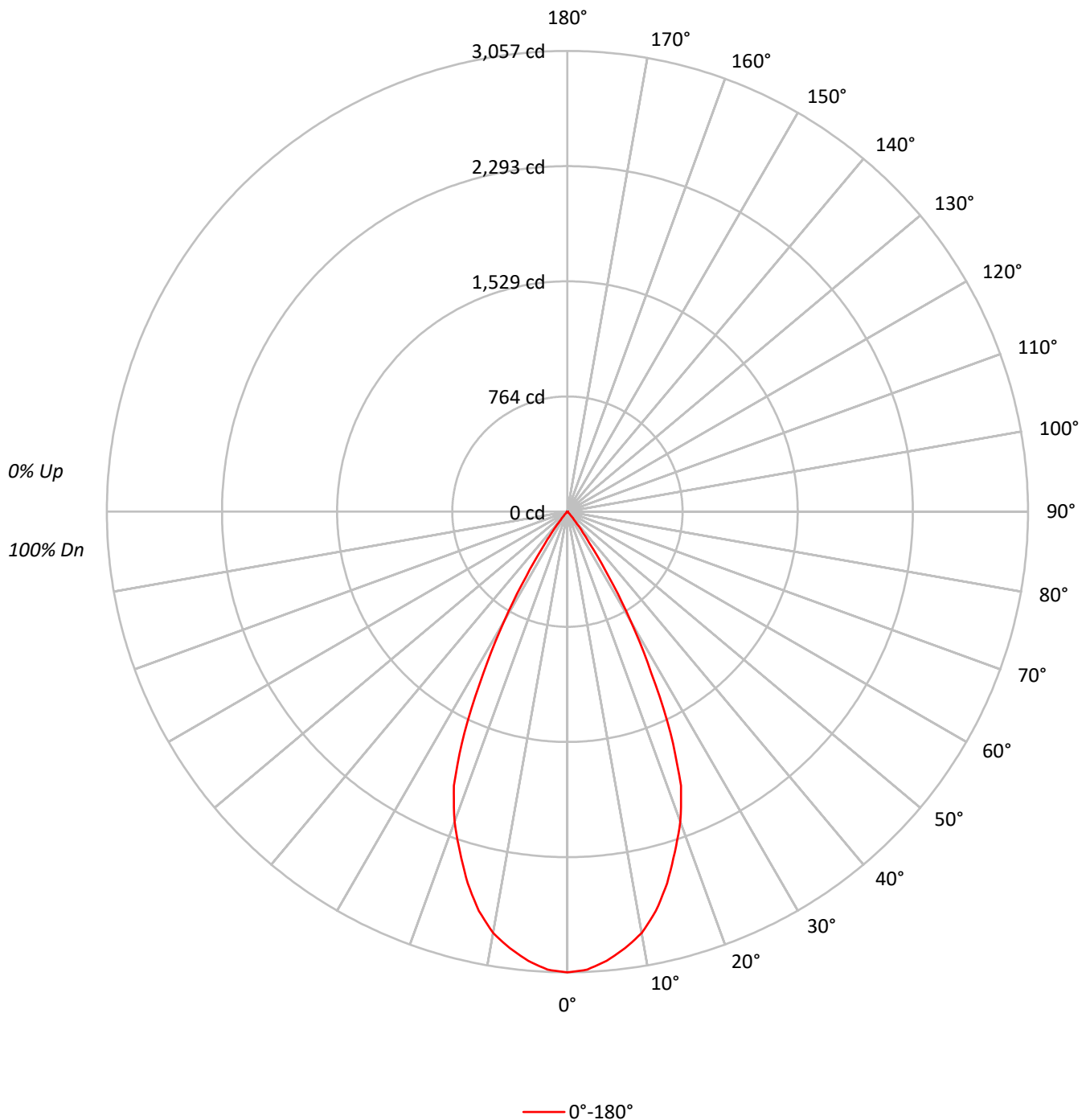
Lumens per Lamp: N/A
Luminaire Lumens: 1924.9 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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					30					10					0
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	112	109	107		112	109	107	106		105	104	102		102	101	99		98	97	97
2	109	105	101	98		107	103	100	97		100	97	95		97	95	93		94	93	91
3	105	99	95	91		103	98	94	90		95	92	89		93	90	88		91	88	86
4	100	94	89	85		99	92	88	85		90	87	84		88	85	83		87	84	82
5	96	89	84	80		94	88	83	79		86	82	79		84	81	78		83	80	77
6	92	84	79	75		91	83	79	75		82	78	74		81	77	74		79	76	73
7	88	80	75	71		87	79	74	71		78	74	71		77	73	70		76	73	70
8	85	76	71	67		83	76	71	67		75	70	67		74	70	67		73	69	66
9	81	73	68	64		80	72	67	64		71	67	64		71	66	63		70	66	63
10	78	69	64	61		77	69	64	61		68	64	61		68	63	61		67	63	60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	670429
5°	658418
10°	632208
15°	579731
20°	511208
25°	391813
30°	213045
35°	68556
40°	16116
45°	2171
50°	1910
55°	2141
60°	1842
65°	2179
70°	1795
75°	2372
80°	1768
85°	3522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 85°

Luminance: 3522 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.7	14.6
10°-20°	709.9	36.9
20°-30°	710.9	36.9
30°-40°	199.9	10.4
40°-50°	12.1	0.6
50°-60°	4.5	0.2
60°-70°	3.6	0.2
70°-80°	2.4	0.1
80°-90°	1.0	0.0
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°	1701.5	88.4
0°-40°	1901.4	98.8
0°-60°	1918.0	99.6
0°-90°	1924.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1924.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3057	
5°	2991	281
15°	2554	710
25°	1619	711
35°	256	200
45°	7	12
55°	6	5
65°	4	4
75°	3	2
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3057.4
2.5°	3041.9
5°	2991.2
7.5°	2922.3
10°	2839.3
12.5°	2714.1
15°	2553.7
17.5°	2369.3
20°	2190.7
22.5°	1968.4
25°	1619.4
27.5°	1205.8
30°	841.4
32.5°	507.9
35°	256.1
37.5°	121.0
40°	56.3
42.5°	21.1
45°	7.0
47.5°	5.6
50°	5.6
52.5°	5.6
55°	5.6
57.5°	4.2
60°	4.2
62.5°	4.2
65°	4.2
67.5°	2.8
70°	2.8
72.5°	2.8
75°	2.8
77.5°	1.4
80°	1.4
82.5°	1.4
85°	1.4
87.5°	0.0
90°	0.0

(END OF REPORT)