

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: P1248406

Luminaire Tested: P3AS05R209027DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1248406
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R209027DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

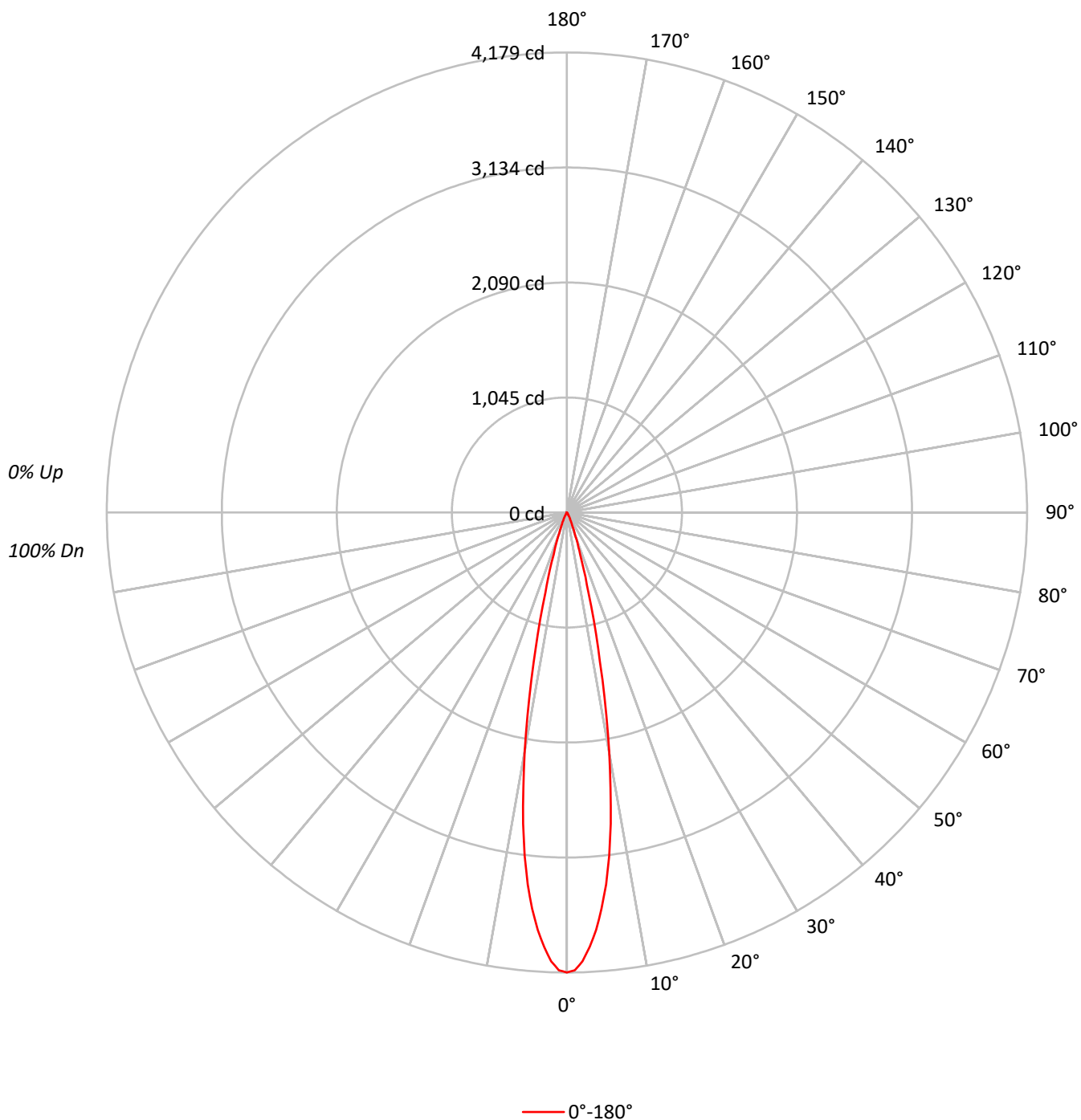
Lumens per Lamp: N/A
Luminaire Lumens: 590.0 lumens
Efficiency: N/A
Efficacy: 81.9 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	116	114	112	110	113	112	110	109	108	106	105		104	103	102		101
2	112	109	106	104	110	108	105	103	104	103	101		102	100	99		99
3	109	105	102	100	108	104	101	99	102	99	97		99	98	96		97
4	107	102	99	96	105	101	98	96	99	97	94		97	95	93		96
5	104	99	96	93	103	98	95	93	97	94	92		95	93	91		94
6	102	97	93	91	101	96	93	90	95	92	90		94	91	89		93
7	100	94	91	88	99	94	91	88	93	90	88		92	89	87		91
8	98	92	89	86	97	92	89	86	91	88	86		90	88	86		89
9	96	90	87	85	95	90	87	85	89	86	84		89	86	84		88
10	94	89	85	83	93	88	85	83	88	85	83		87	84	83		86

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	916330
5°	795353
10°	491440
15°	170693
20°	52411
25°	18533
30°	6862
35°	2757
40°	1460
45°	589
50°	307
55°	344
60°	395
65°	259
70°	321
75°	424
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 589 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.9	50.8
10°-20°	237.9	40.3
20°-30°	41.2	7.0
30°-40°	7.5	1.3
40°-50°	1.7	0.3
50°-60°	0.8	0.1
60°-70°	0.5	0.1
70°-80°	0.5	0.1
80°-90°	0.0	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°	579.0	98.1
0°-40°	586.5	99.4
0°-60°	589.0	99.8
0°-90°	590.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	590.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4179	
5°	3613	300
15°	752	238
25°	77	41
35°	10	7
45°	2	2
55°	1	1
65°	0	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	4178.8
1°	4158.8
2°	4079.4
3°	3951.9
4°	3802.4
5°	3613.3
6°	3396.6
7°	3144.4
8°	2857.2
9°	2534.5
10°	2207.1
12.5°	1392.2
15°	751.9
17.5°	401.6
20°	224.6
22.5°	128.4
25°	76.6
27.5°	46.7
30°	27.1
32.5°	15.9
35°	10.3
37.5°	7.0
40°	5.1
42.5°	3.3
45°	1.9
47.5°	0.9
50°	0.9
52.5°	0.9
55°	0.9
57.5°	0.9
60°	0.9
62.5°	0.5
65°	0.5
67.5°	0.5
70°	0.5
72.5°	0.5
75°	0.5
77.5°	0.5
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)