

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: P1271507

Luminaire Tested: P3AS09R159827DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1271507
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R159827DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

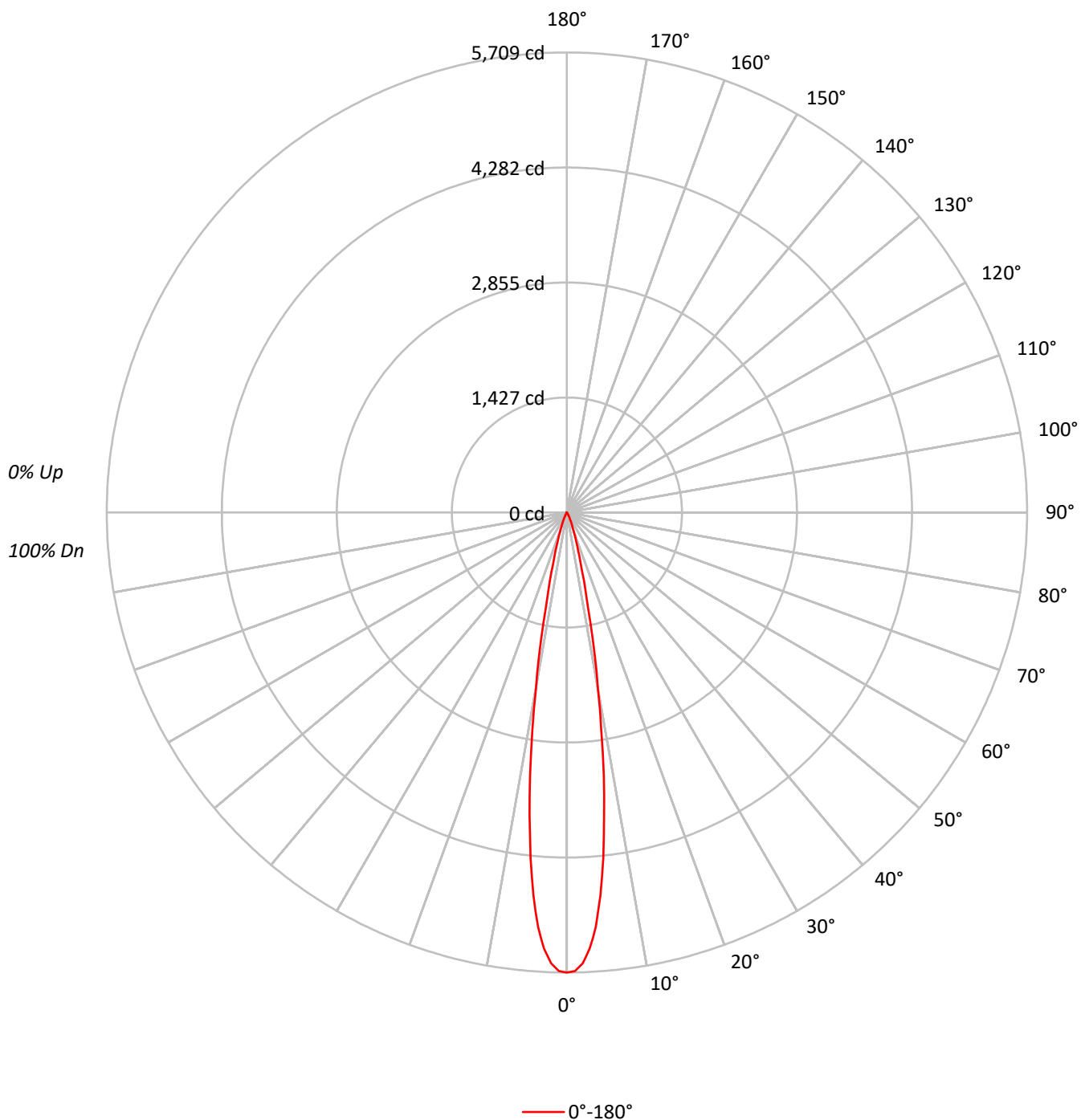
Lumens per Lamp: N/A
Luminaire Lumens: 644.0 lumens
Efficiency: N/A
Efficacy: 58.5 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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	111	113	112	110	109	108	107	106		104	103	103		101
2	113	110	107	105	111	108	106	104	105	103	101		102	101	99		99
3	110	106	103	100	108	105	102	100	102	100	98		100	98	97		98
4	107	103	100	97	106	102	99	97	100	97	95		98	96	94		97
5	105	100	97	94	104	99	96	94	98	95	93		96	94	92		95
6	103	98	94	92	102	97	94	92	96	93	91		95	92	91		94
7	101	96	92	90	100	95	92	90	94	91	89		93	91	89		92
8	99	94	90	88	98	93	90	88	92	90	88		92	89	87		91
9	97	92	89	87	97	92	89	87	91	88	86		90	88	86		90
10	96	90	87	85	95	90	87	85	89	87	85		89	86	85		88

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1251786
5°	1049106
10°	494179
15°	148991
20°	55118
25°	21437
30°	8001
35°	2463
40°	887
45°	465
50°	341
55°	382
60°	439
65°	259
70°	321
75°	424
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 465 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	368.5	57.2
10°-20°	219.0	34.0
20°-30°	46.0	7.1
30°-40°	7.4	1.2
40°-50°	1.2	0.2
50°-60°	0.9	0.1
60°-70°	0.6	0.1
70°-80°	0.3	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°	633.5	98.4
0°-40°	640.9	99.5
0°-60°	643.1	99.9
0°-90°	644.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	644.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5709	
5°	4766	368
15°	656	219
25°	89	46
35°	9	7
45°	2	1
55°	1	1
65°	0	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	5708.6
1°	5690.8
2°	5600.1
3°	5418.9
4°	5153.1
5°	4766.1
6°	4311.5
7°	3791.6
8°	3295.2
9°	2733.1
10°	2219.4
12.5°	1197.5
15°	656.3
17.5°	384.4
20°	236.2
22.5°	144.6
25°	88.6
27.5°	53.5
30°	31.6
32.5°	17.8
35°	9.2
37.5°	5.1
40°	3.1
42.5°	2.0
45°	1.5
47.5°	1.0
50°	1.0
52.5°	1.0
55°	1.0
57.5°	1.0
60°	1.0
62.5°	0.5
65°	0.5
67.5°	0.5
70°	0.5
72.5°	0.5
75°	0.5
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)