

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: P1256319

Luminaire Tested: P3AS02R559040DE010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1256319
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS02R559040DE010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 90CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

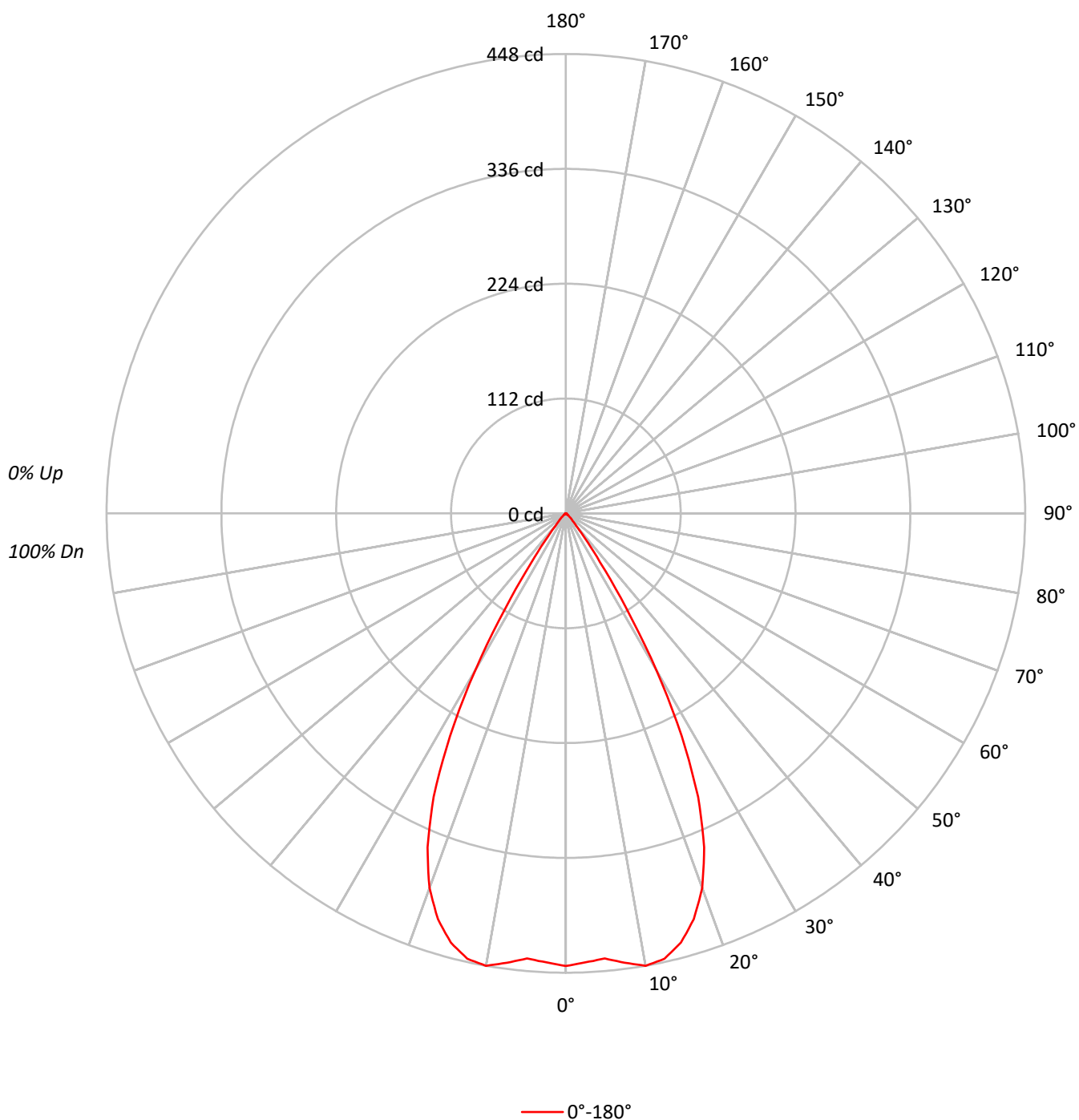
Lumens per Lamp: N/A
Luminaire Lumens: 349.0 lumens
Efficiency: N/A
Efficacy: 96.9 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
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	111	109	107		112	109	107	105		105	104	102		101	100	99		98	97	96
2	109	104	101	98		107	103	99	96		100	97	94		97	94	92		94	92	90
3	104	98	94	90		102	97	93	89		94	91	88		92	89	86		90	87	85
4	99	92	87	84		98	91	87	83		89	85	82		87	84	81		86	83	80
5	95	87	82	78		93	86	81	78		85	80	77		83	79	76		82	78	76
6	91	83	77	73		89	82	77	73		80	76	72		79	75	72		78	74	72
7	87	78	73	69		85	78	72	69		76	72	68		75	71	68		74	70	68
8	83	74	69	65		82	74	69	65		73	68	65		72	67	64		71	67	64
9	79	71	65	61		78	70	65	61		69	64	61		68	64	61		68	64	61
10	76	67	62	58		75	67	62	58		66	61	58		65	61	58		65	61	58

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	96790
5°	95906
10°	99753
15°	98366
20°	90705
25°	73795
30°	44817
35°	15526
40°	4437
45°	2109
50°	887
55°	382
60°	439
65°	415
70°	321
75°	424
80°	379
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2109 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.1	12.1
10°-20°	120.4	34.5
20°-30°	134.2	38.5
30°-40°	43.9	12.6
40°-50°	5.8	1.7
50°-60°	1.2	0.3
60°-70°	0.7	0.2
70°-80°	0.4	0.1
80°-90°	0.1	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°	296.8	85.0
0°-40°	340.7	97.6
0°-60°	347.7	99.6
0°-90°	349.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	349.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	441	
5°	436	42
15°	433	120
25°	305	134
35°	58	44
45°	7	6
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	441.4
2.5°	438.3
5°	435.7
7.5°	442.0
10°	448.0
12.5°	444.8
15°	433.3
17.5°	414.9
20°	388.7
22.5°	352.5
25°	305.0
27.5°	244.7
30°	177.0
32.5°	108.6
35°	58.0
37.5°	29.4
40°	15.5
42.5°	10.0
45°	6.8
47.5°	4.7
50°	2.6
52.5°	1.6
55°	1.0
57.5°	1.0
60°	1.0
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°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)