

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: P1258980

Luminaire Tested: P3AS02R559050DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258980
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: P3AS02R559050DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 5000K CCT AND, 90CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

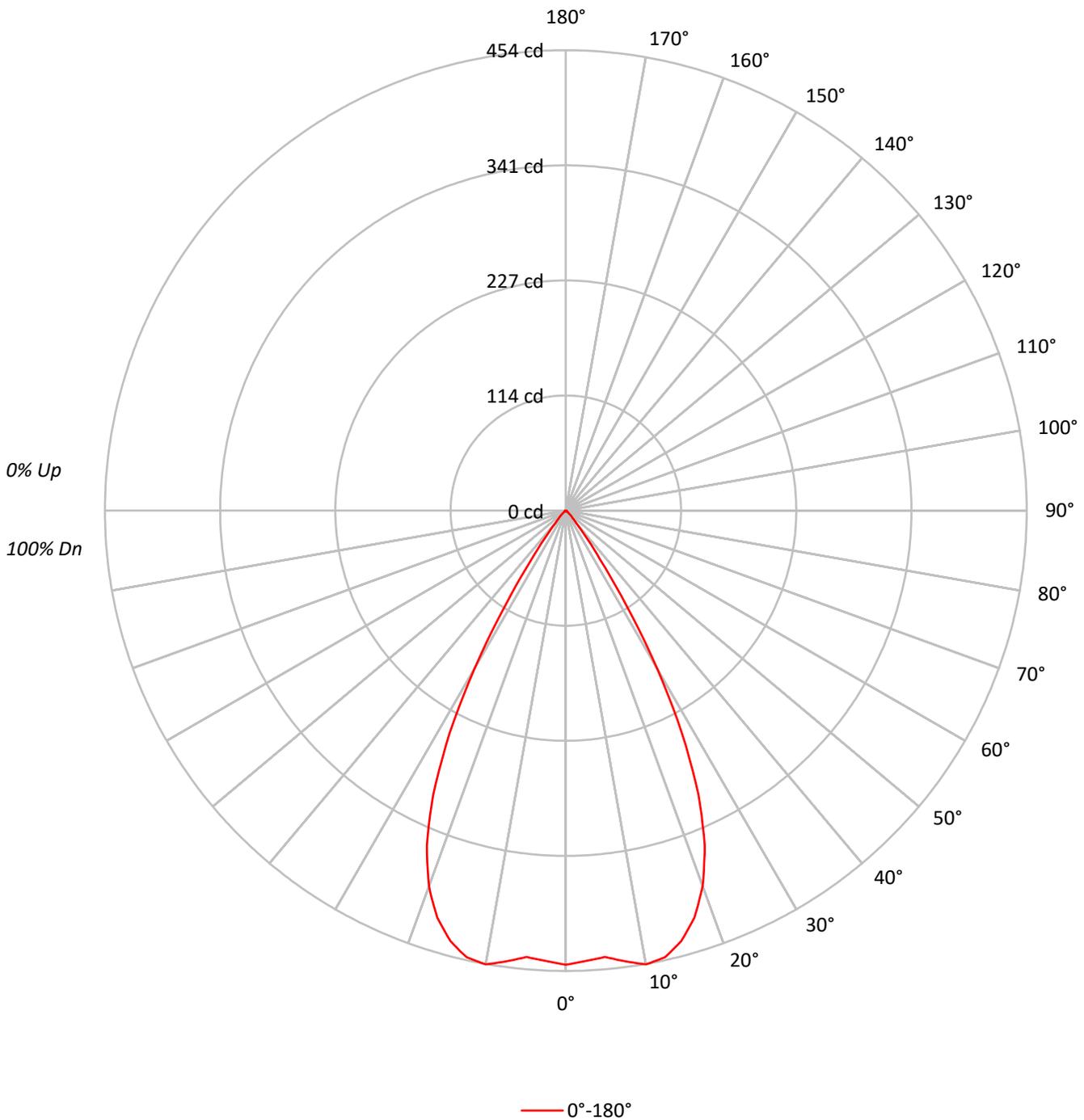
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 354.0 lumens
Efficiency: N/A
Efficacy: 98.3 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 (A_{in}): 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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	114	111	109	107	112	109	107	105	105	104	102	101	100	99	98	97	96	94	94	94	94
2	109	104	101	98	107	103	99	96	100	97	94	97	94	92	94	92	90	89	89	89	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	86	90	87	85	84	84	84	84
4	99	92	87	84	98	91	87	83	89	85	82	87	84	81	85	83	80	79	79	79	79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	74	74	74	74
6	91	83	77	73	89	82	77	73	80	76	72	79	75	72	78	74	72	70	70	70	70
7	87	78	73	69	85	78	72	69	76	72	68	75	71	68	74	70	68	66	66	66	66
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63	63	63	63
9	79	71	65	61	78	70	65	61	69	64	61	68	64	61	68	64	61	60	60	60	60
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57	57	57	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	98194
5°	97270
10°	101178
15°	99774
20°	92011
25°	74859
30°	45475
35°	15740
40°	4494
45°	2140
50°	921
55°	421
60°	482
65°	415
70°	321
75°	424
80°	379
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2140 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.7	12.1
10°-20°	122.2	34.5
20°-30°	136.2	38.5
30°-40°	44.5	12.6
40°-50°	5.9	1.7
50°-60°	1.3	0.4
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°	301.1	85.0
0°-40°	345.6	97.6
0°-60°	352.7	99.6
0°-90°	354.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	354.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	448	
5°	442	43
15°	440	122
25°	309	136
35°	59	45
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°	447.8
2.5°	444.6
5°	441.9
7.5°	448.3
10°	454.4
12.5°	451.2
15°	439.5
17.5°	420.9
20°	394.3
22.5°	357.6
25°	309.4
27.5°	248.2
30°	179.6
32.5°	110.1
35°	58.8
37.5°	29.8
40°	15.7
42.5°	10.1
45°	6.9
47.5°	4.8
50°	2.7
52.5°	1.6
55°	1.1
57.5°	1.1
60°	1.1
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)