

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: P1252473

Luminaire Tested: P3AS17R559030DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1252473
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: P3AS17R559030DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

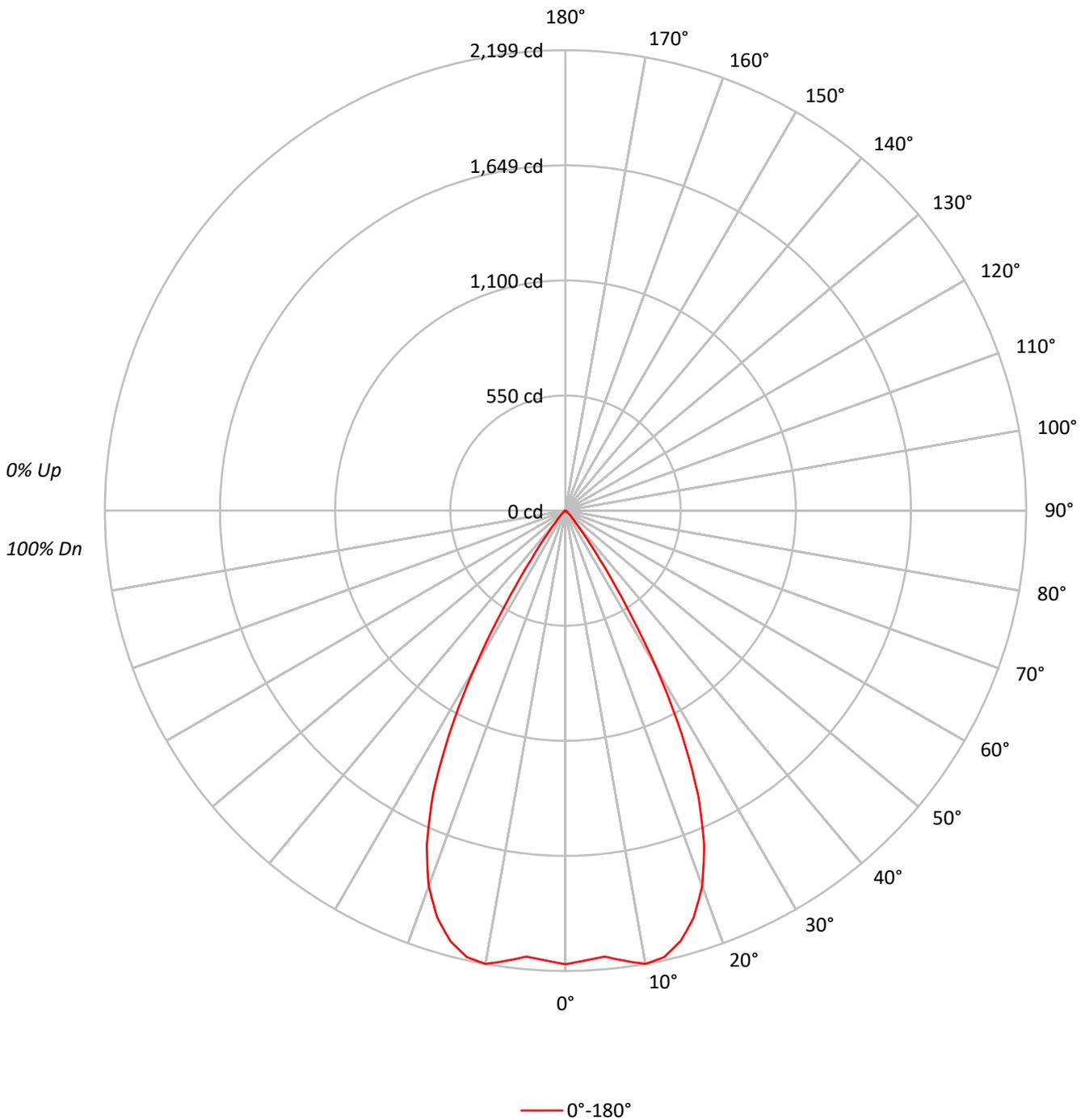
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1713.0 lumens
Efficiency: N/A
Efficacy: 80.8 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): 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				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°	475115
5°	470679
10°	489615
15°	482818
20°	445215
25°	362247
30°	220034
35°	76158
40°	21755
45°	10389
50°	4401
55°	1950
60°	2237
65°	2024
70°	1667
75°	2203
80°	1642
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 10389 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.7	12.1
10°-20°	591.1	34.5
20°-30°	659.0	38.5
30°-40°	215.6	12.6
40°-50°	28.4	1.7
50°-60°	6.0	0.3
60°-70°	3.5	0.2
70°-80°	2.2	0.1
80°-90°	0.5	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°	1456.8	85.0
0°-40°	1672.3	97.6
0°-60°	1706.7	99.6
0°-90°	1713.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1713.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2167	
5°	2138	207
15°	2127	591
25°	1497	659
35°	284	216
45°	34	28
55°	5	6
65°	4	4
75°	3	2
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2166.7
2.5°	2151.2
5°	2138.3
7.5°	2169.2
10°	2198.9
12.5°	2183.4
15°	2126.8
17.5°	2036.6
20°	1907.9
22.5°	1730.2
25°	1497.2
27.5°	1201.1
30°	869.0
32.5°	533.0
35°	284.5
37.5°	144.2
40°	76.0
42.5°	48.9
45°	33.5
47.5°	23.2
50°	12.9
52.5°	7.7
55°	5.1
57.5°	5.1
60°	5.1
62.5°	3.9
65°	3.9
67.5°	2.6
70°	2.6
72.5°	2.6
75°	2.6
77.5°	1.3
80°	1.3
82.5°	1.3
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)