

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: P1301695

Luminaire Tested: P3AS17R55W2N902750DE010 E3D1H_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1301695
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS17R55W2N902750DE010 E3D1H_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 2700K CCT AND, 90CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

Summary

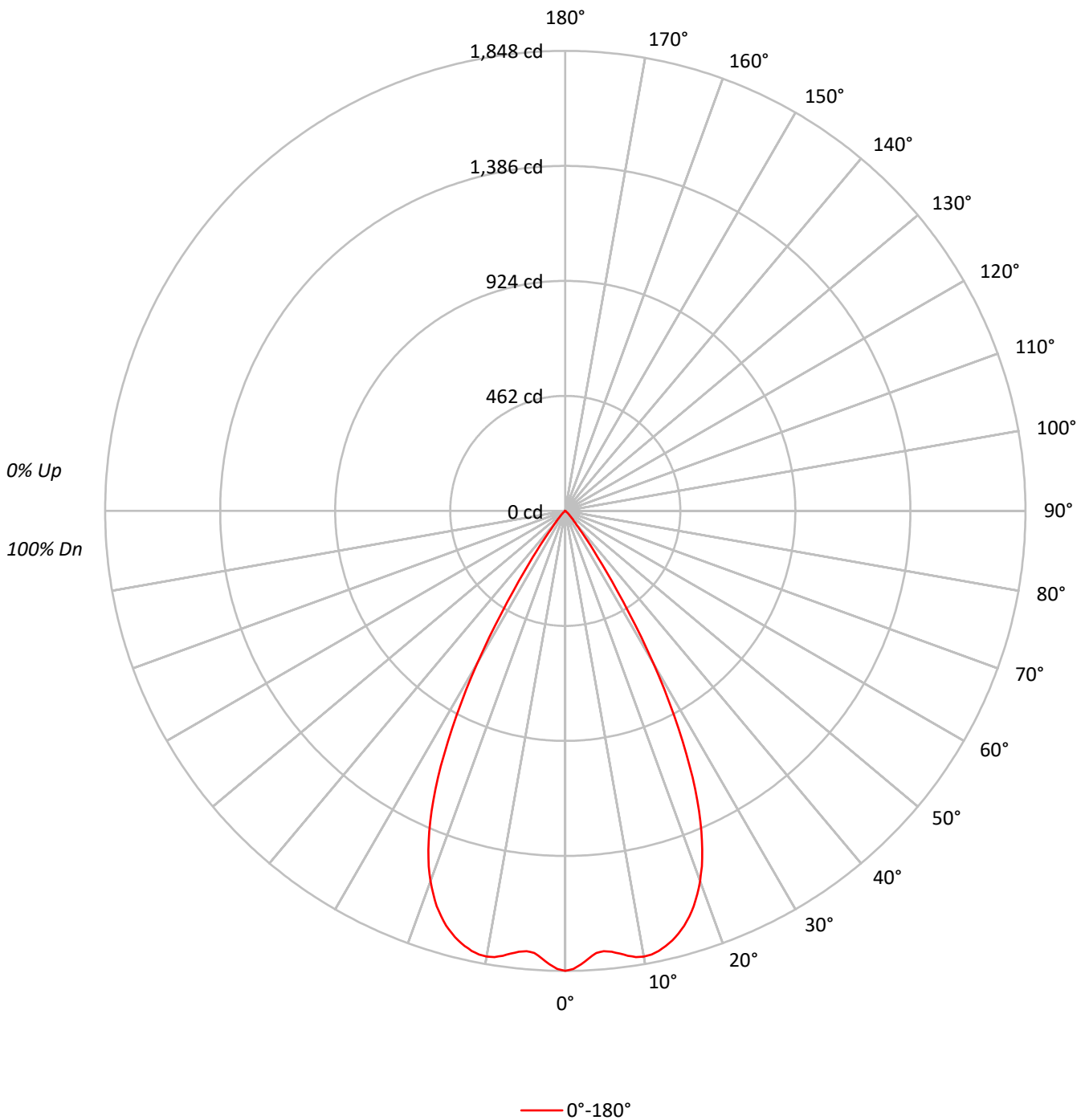
Lumens per Lamp: N/A
Luminaire Lumens: 1397.0 lumens
Efficiency: N/A
Efficacy: 72.0 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 19.4
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
1	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	95			95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89			89
3	104	98	94	90	102	97	93	90	95	91	88	92	89	87	90	88	86	84			84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	79			79
5	95	88	83	79	94	87	82	78	85	81	78	84	80	77	82	79	76	75			75
6	91	83	78	74	90	82	77	74	81	76	73	80	76	73	78	75	72	71			71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	67			67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	63			63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	60			60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	57			57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	405121
5°	390776
10°	404735
15°	399049
20°	369305
25°	298687
30°	178990
35°	60659
40°	16717
45°	7412
50°	2183
55°	421
60°	219
65°	259
70°	321
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7412 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.8	12.3
10°-20°	489.4	35.0
20°-30°	544.0	38.9
30°-40°	169.3	12.1
40°-50°	20.3	1.5
50°-60°	1.6	0.1
60°-70°	0.5	0.0
70°-80°	0.1	0.0
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°	1205.2	86.3
0°-40°	1374.5	98.4
0°-60°	1396.4	100.0
0°-90°	1397.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1397.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1848	
5°	1775	172
15°	1758	489
25°	1234	544
35°	227	169
45°	24	20
55°	1	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1847.5
1°	1840.6
2°	1822.5
3°	1800.2
4°	1780.1
5°	1775.3
6°	1780.6
7°	1791.7
8°	1804.5
9°	1814.6
10°	1817.7
11°	1815.6
12°	1807.1
13°	1793.9
14°	1778.5
15°	1757.8
16°	1733.9
17°	1703.6
18°	1669.7
19°	1628.8
20°	1582.6
21°	1530.1
22°	1468.0
23°	1399.5
24°	1321.0
25°	1234.5
26°	1139.5
27°	1038.6
28°	930.9
29°	820.0
30°	706.9
31°	593.4
32°	482.4
32.5°	433.1
33°	382.1
34°	295.6
35°	226.6
36°	172.5
37°	127.9
37.5°	109.3
38°	95.0
39°	72.2
40°	58.4
42.5°	37.2
45°	23.9



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	14.3
50°	6.4
52.5°	2.1
55°	1.1
57.5°	0.5
60°	0.5
62.5°	0.5
65°	0.5
67.5°	0.5
70°	0.5
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)