

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: P1301709

Luminaire Tested: P3AS17R55W2N902750DE010 E3D1MW_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1301709
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: P3AS17R55W2N902750DE010 E3D1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 5000K CCT AND, 90CRI ,
E3D1MW TRIM
Light Source: -
Ballast/Driver: -

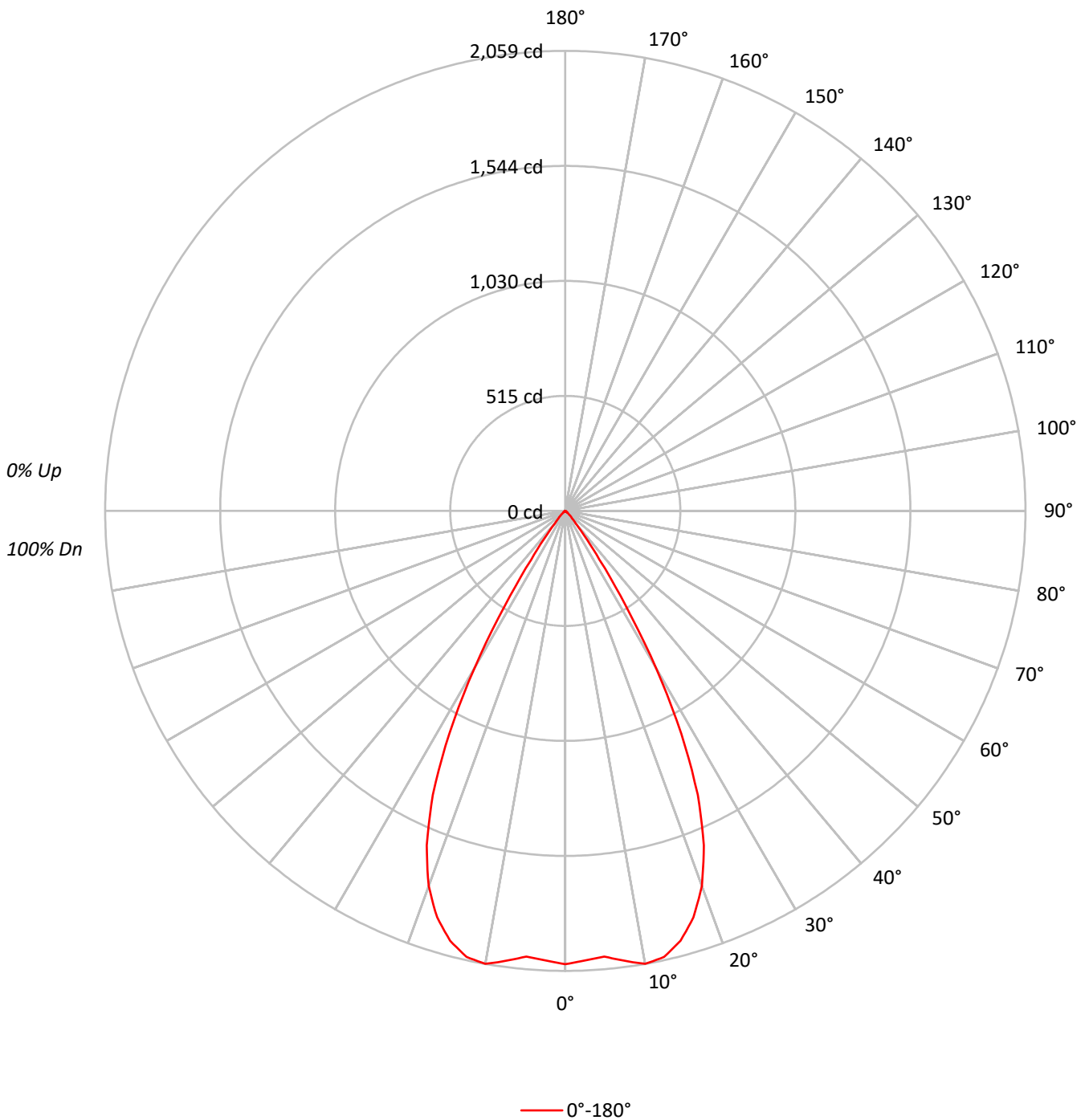
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1604.0 lumens
Efficiency: N/A
Efficacy: 82.7 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): 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	102	102	102	100
1	114	111	109	107	112	109	107	105	105	104	102	101	100	99	98	97	96	96	96	96	94
2	109	104	101	98	107	103	99	96	100	97	94	97	94	92	94	92	90	90	90	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	86	90	87	85	85	85	85	84
4	99	92	87	84	98	91	87	83	89	85	82	87	84	81	86	83	80	80	80	80	79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	76	76	76	74
6	91	83	77	73	89	82	77	73	80	76	72	79	75	72	78	74	72	72	72	72	70
7	87	78	73	69	85	78	72	69	76	72	68	75	71	68	74	70	68	68	68	68	66
8	83	74	69	65	82	74	69	65	73	68	65	72	67	64	71	67	64	64	64	64	63
9	79	71	65	61	78	70	65	61	69	64	61	68	64	61	68	64	61	61	61	61	60
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	58	58	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	444877
5°	440743
10°	458442
15°	452080
20°	416886
25°	339213
30°	206032
35°	71313
40°	20352
45°	9706
50°	4128
55°	1835
60°	2105
65°	1868
70°	1539
75°	2033
80°	1515
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 9706 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.6	12.1
10°-20°	553.5	34.5
20°-30°	617.0	38.5
30°-40°	201.9	12.6
40°-50°	26.6	1.7
50°-60°	5.6	0.3
60°-70°	3.3	0.2
70°-80°	2.1	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°	1364.1	85.0
0°-40°	1565.9	97.6
0°-60°	1598.1	99.6
0°-90°	1604.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1604.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2029	
5°	2002	194
15°	1991	553
25°	1402	617
35°	266	202
45°	31	27
55°	5	6
65°	4	3
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2028.8
2.5°	2014.3
5°	2002.3
7.5°	2031.2
10°	2058.9
12.5°	2044.5
15°	1991.4
17.5°	1907.1
20°	1786.5
22.5°	1620.1
25°	1402.0
27.5°	1124.7
30°	813.7
32.5°	499.1
35°	266.4
37.5°	135.0
40°	71.1
42.5°	45.8
45°	31.3
47.5°	21.7
50°	12.1
52.5°	7.2
55°	4.8
57.5°	4.8
60°	4.8
62.5°	3.6
65°	3.6
67.5°	2.4
70°	2.4
72.5°	2.4
75°	2.4
77.5°	1.2
80°	1.2
82.5°	1.2
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)