

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: P1301386

Luminaire Tested: P3A17R50W2N902750DE010 E3D1MW_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1301386
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R50W2N902750DE010 E3D1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 2700K CCT AND, 90CRI ,
E3D1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

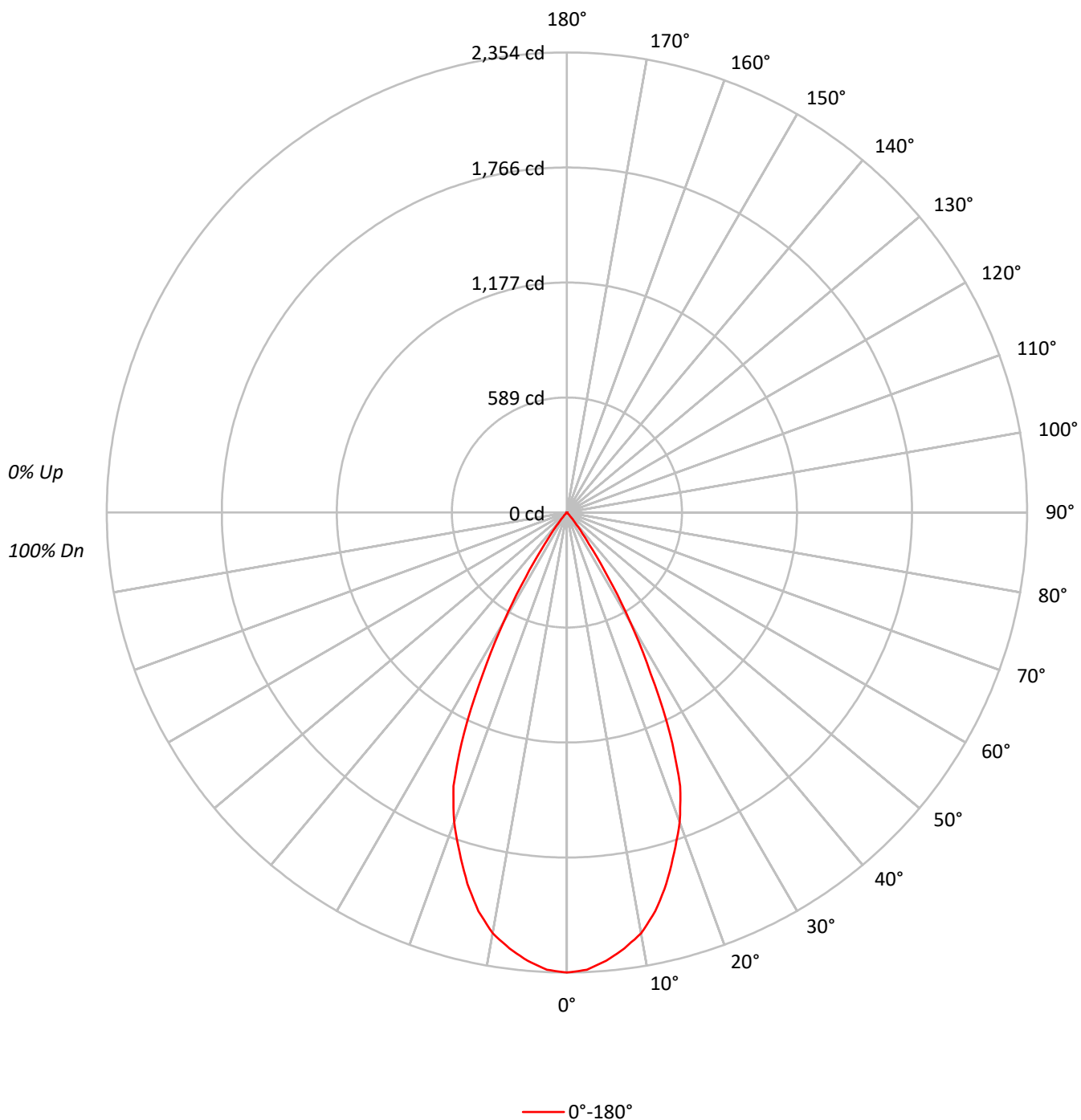
Lumens per Lamp: N/A
Luminaire Lumens: 1482.0 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	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	102	102	100
1	114	112	109	107	112	109	107	106	105	104	102	102	101	99	98	97	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	85
4	100	94	89	85	99	92	88	85	90	87	84	88	85	83	87	84	82	82	82	80
5	96	89	84	80	94	88	83	79	86	82	79	84	81	78	83	80	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	65
9	81	73	68	64	80	72	67	64	71	67	64	71	66	63	70	66	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	61	68	63	61	67	63	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	516143
5°	506910
10°	486720
15°	446314
20°	393551
25°	301638
30°	164000
35°	52762
40°	12395
45°	1675
50°	1467
55°	1644
60°	1403
65°	1660
70°	1410
75°	1864
80°	1389
85°	2768

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 85°
Luminance: 2768 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.1	14.6
10°-20°	546.5	36.9
20°-30°	547.3	36.9
30°-40°	153.9	10.4
40°-50°	9.3	0.6
50°-60°	3.5	0.2
60°-70°	2.8	0.2
70°-80°	1.9	0.1
80°-90°	0.7	0.1
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°	1309.9	88.4
0°-40°	1463.8	98.8
0°-60°	1476.5	99.6
0°-90°	1482.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1482.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2354	
5°	2303	216
15°	1966	546
25°	1247	547
35°	197	154
45°	5	9
55°	4	3
65°	3	3
75°	2	2
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2353.8
2.5°	2341.9
5°	2302.9
7.5°	2249.8
10°	2185.9
12.5°	2089.5
15°	1966.0
17.5°	1824.1
20°	1686.5
22.5°	1515.4
25°	1246.7
27.5°	928.3
30°	647.7
32.5°	391.0
35°	197.1
37.5°	93.2
40°	43.3
42.5°	16.2
45°	5.4
47.5°	4.3
50°	4.3
52.5°	4.3
55°	4.3
57.5°	3.2
60°	3.2
62.5°	3.2
65°	3.2
67.5°	2.2
70°	2.2
72.5°	2.2
75°	2.2
77.5°	1.1
80°	1.1
82.5°	1.1
85°	1.1
87.5°	0.0
90°	0.0

(END OF REPORT)