

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: P1301388

Luminaire Tested: P3A17R50W2N902750DE010 E3D1MW_3500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1301388
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_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 3500K CCT AND, 90CRI ,
E3D1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

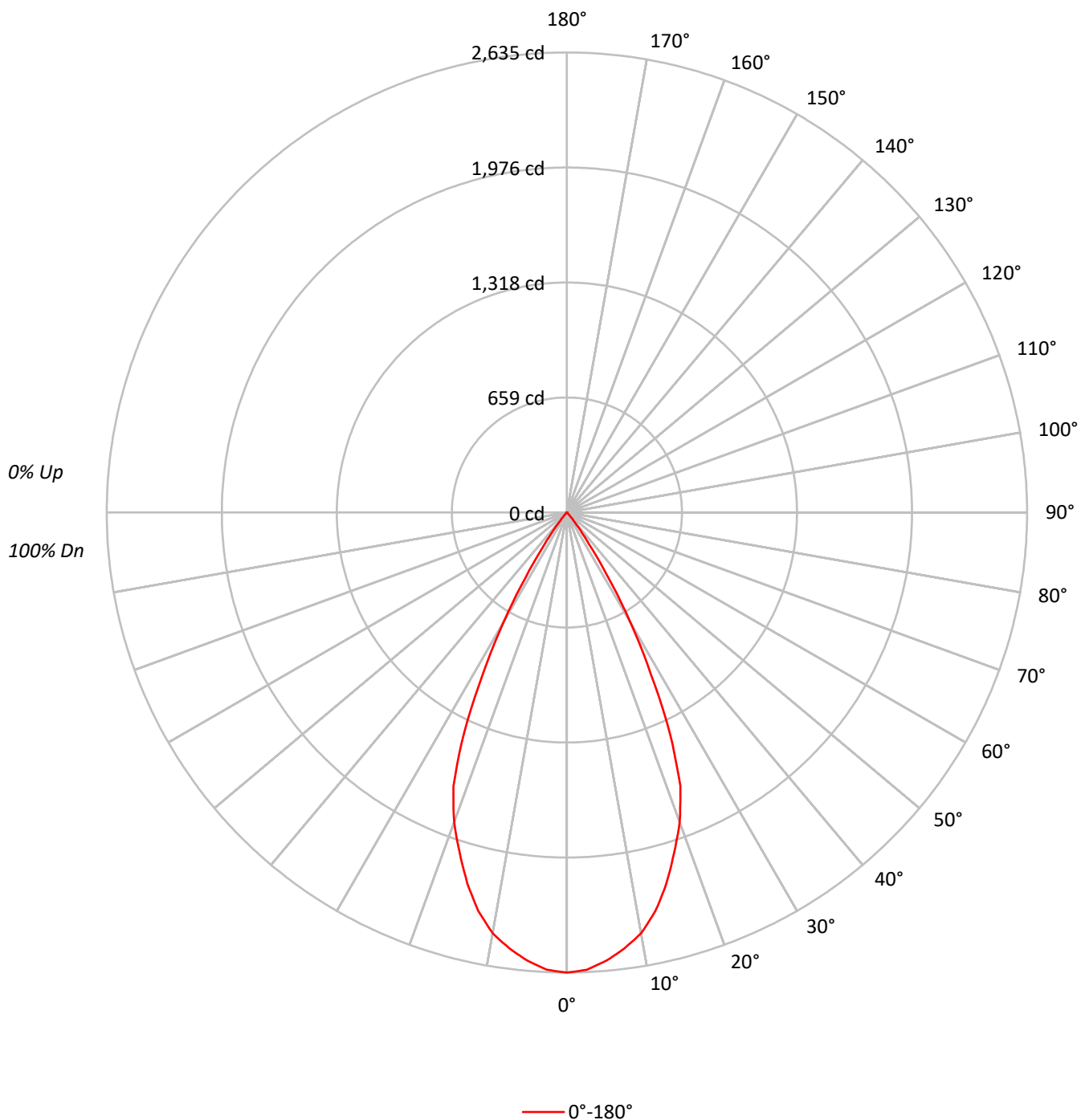
Lumens per Lamp: N/A
Luminaire Lumens: 1659.0 lumens
Efficiency: N/A
Efficacy: 85.5 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	112	109	107	112	109	107	106	105	104	102	102	101	99	98	97	97	95		
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90		
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85		
4	100	94	89	85	99	92	88	85	90	87	84	88	85	83	87	84	82	80		
5	96	89	84	80	94	88	83	79	86	82	79	84	81	78	83	80	77	76		
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	72		
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69		
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	65		
9	81	73	68	64	80	72	67	64	71	67	64	71	66	63	70	66	63	62		
10	78	69	64	61	77	69	64	61	68	64	61	68	63	61	67	63	60	59		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	577783
5°	567443
10°	544835
15°	499617
20°	440572
25°	337689
30°	183598
35°	59080
40°	13883
45°	1892
50°	1672
55°	1873
60°	1579
65°	1868
70°	1539
75°	2033
80°	1515
85°	3019

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 85°

Luminance: 3019 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.9	14.6
10°-20°	611.8	36.9
20°-30°	612.7	36.9
30°-40°	172.3	10.4
40°-50°	10.4	0.6
50°-60°	3.9	0.2
60°-70°	3.1	0.2
70°-80°	2.1	0.1
80°-90°	0.8	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°	1466.4	88.4
0°-40°	1638.6	98.8
0°-60°	1653.0	99.6
0°-90°	1659.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1659.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2635	
5°	2578	242
15°	2201	612
25°	1396	613
35°	221	172
45°	6	10
55°	5	4
65°	4	3
75°	2	2
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2634.9
2.5°	2621.5
5°	2577.9
7.5°	2518.5
10°	2446.9
12.5°	2339.0
15°	2200.8
17.5°	2041.9
20°	1888.0
22.5°	1696.4
25°	1395.7
27.5°	1039.2
30°	725.1
32.5°	437.7
35°	220.7
37.5°	104.3
40°	48.5
42.5°	18.2
45°	6.1
47.5°	4.9
50°	4.9
52.5°	4.9
55°	4.9
57.5°	3.6
60°	3.6
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°	1.2
87.5°	0.0
90°	0.0

(END OF REPORT)