

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: P1301380

Luminaire Tested: P3A17R50W2N902750DE010 E3D1H_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1301380
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R50W2N902750DE010 E3D1H_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 5000K CCT AND, 90CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

Summary

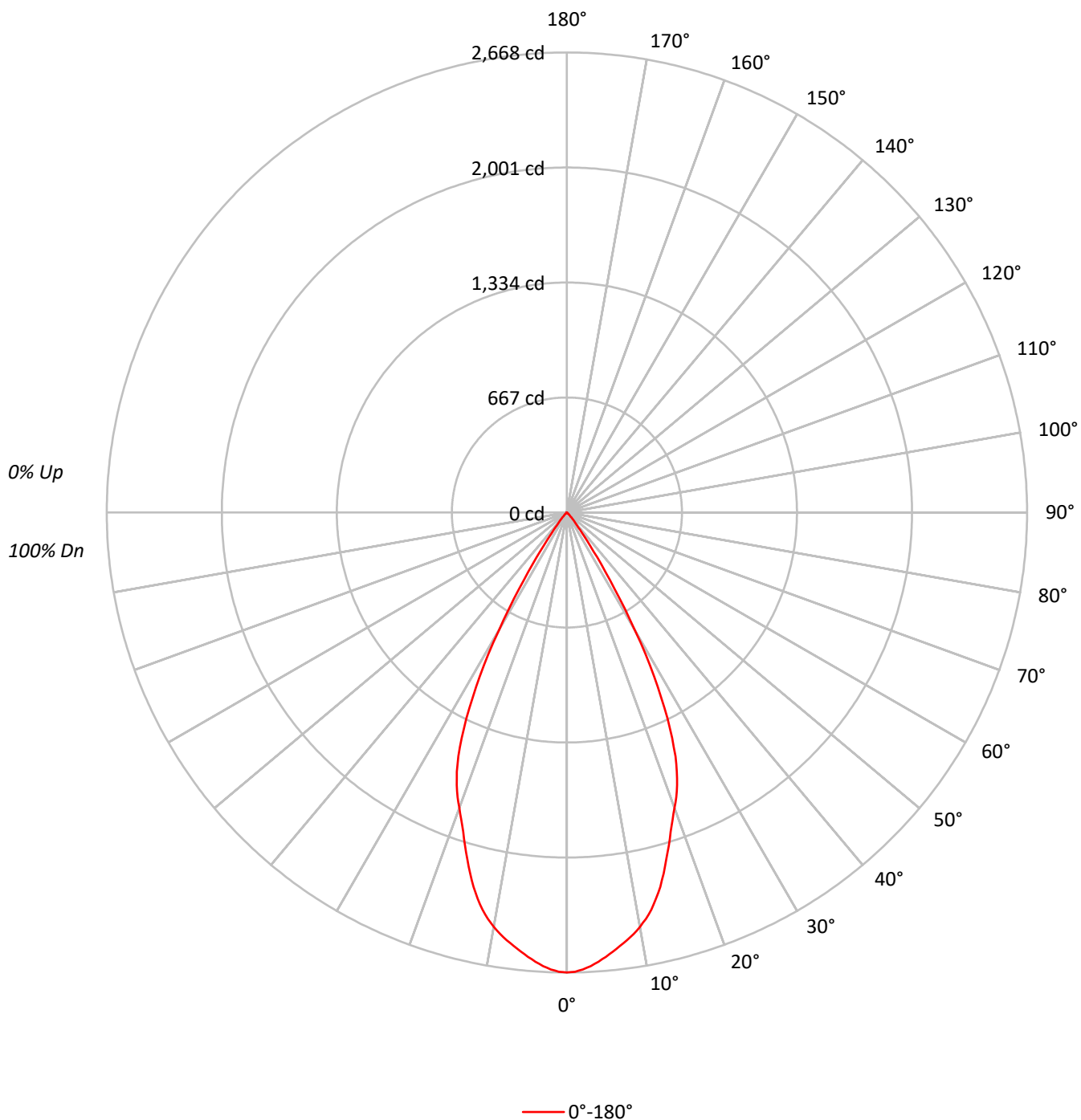
Lumens per Lamp: N/A
Luminaire Lumens: 1674.0 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	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	110	108	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	78	75	82	78	74		81	77	74		79	76	73	72
7	88	80	75	71	87	79	74	71	78	74	70		77	73	70		76	72	70	68
8	84	76	71	67	83	76	71	67	75	70	67		74	69	66		73	69	66	65
9	81	73	67	64	80	72	67	64	71	67	63		70	66	63		70	66	63	62
10	78	69	64	61	77	69	64	61	68	64	60		67	63	60		67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	584997
5°	569424
10°	543388
15°	491944
20°	425590
25°	349109
30°	200537
35°	62292
40°	16746
45°	5861
50°	1399
55°	459
60°	263
65°	311
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 5861 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.3	14.5
10°-20°	600.4	35.9
20°-30°	631.1	37.7
30°-40°	180.6	10.8
40°-50°	17.6	1.1
50°-60°	1.4	0.1
60°-70°	0.5	0.0
70°-80°	0.0	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°	1473.8	88.0
0°-40°	1654.4	98.8
0°-60°	1673.5	100.0
0°-90°	1674.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1674.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2668	
5°	2587	242
15°	2167	600
25°	1443	631
35°	233	181
45°	19	18
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2667.8
1°	2663.7
2°	2651.9
3°	2634.7
4°	2611.7
5°	2586.9
6°	2560.3
7°	2532.0
8°	2505.4
9°	2474.7
10°	2440.4
11°	2400.8
12°	2355.4
13°	2298.7
14°	2237.2
15°	2167.0
16°	2092.5
17°	2020.5
18°	1946.7
19°	1881.7
20°	1823.8
21°	1768.3
22°	1705.1
23°	1632.5
24°	1547.4
25°	1442.9
26°	1329.5
27°	1203.1
28°	1077.3
29°	941.4
30°	792.0
31°	652.0
32°	523.3
32.5°	467.2
33°	410.5
34°	314.8
35°	232.7
36°	170.7
37°	127.0
37.5°	109.9
38°	95.1
39°	73.8
40°	58.5
42.5°	33.1
45°	18.9



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	10.6
50°	4.1
52.5°	1.8
55°	1.2
57.5°	1.2
60°	0.6
62.5°	0.6
65°	0.6
67.5°	0.6
70°	0.0
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)