

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: P1301457

Luminaire Tested: P3A17R50W2N902750DE010 E3DLD1WMH_3000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1301457
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-30)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R50W2N902750DE010 E3DLD1WMH_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 3000K CCT AND, 90CRI ,
E3DLD1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

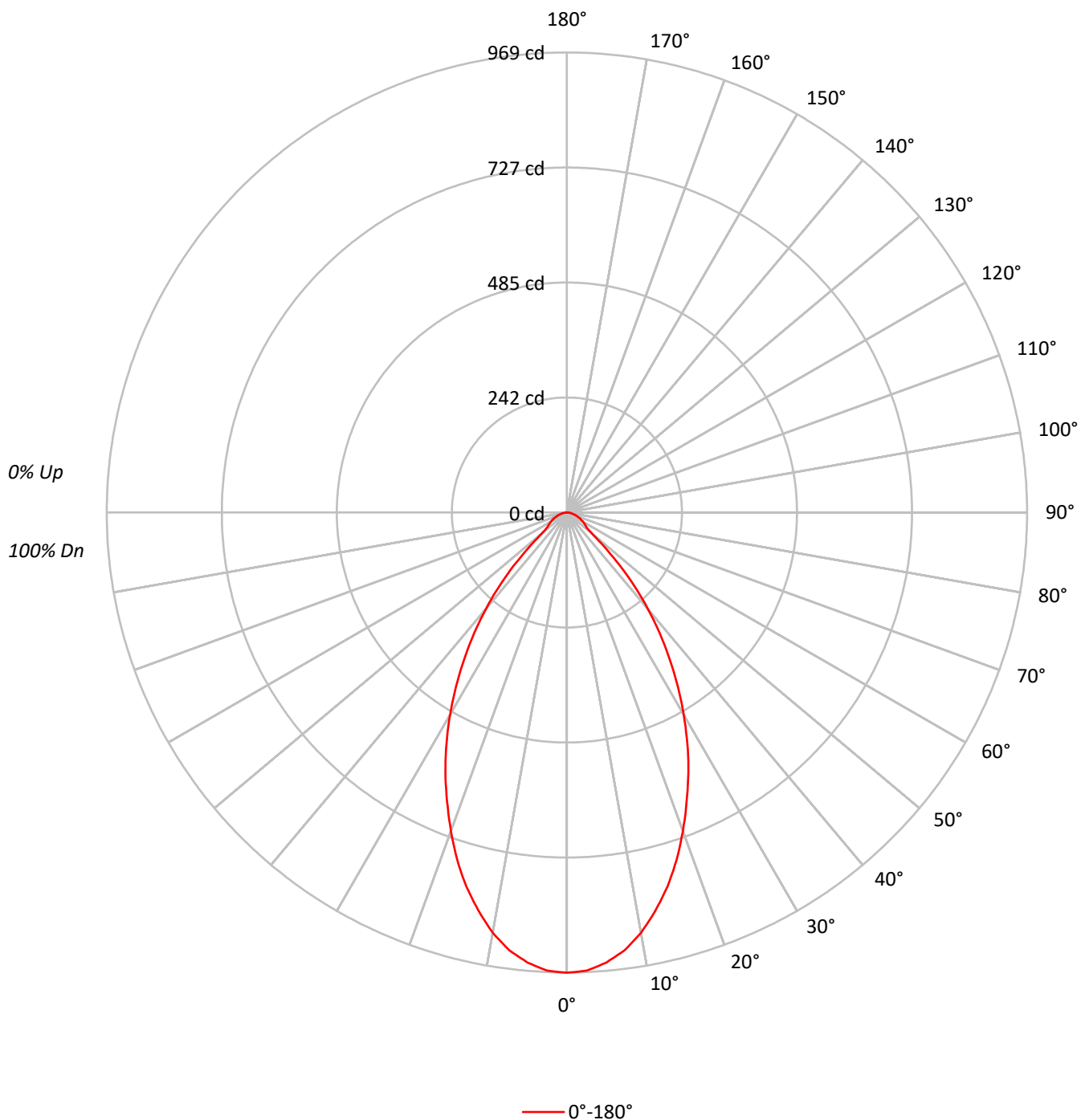
Lumens per Lamp: N/A
Luminaire Lumens: 1046.0 lumens
Efficiency: N/A
Efficacy: 53.9 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	112	109	106	103	110	107	104	102	103	101	99		99	97	96		95	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	86	84	83
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	80	77	75
4	93	85	78	73	91	83	77	73	81	76	72		79	75	71		77	73	70	69
5	88	78	72	67	86	77	71	66	75	70	66		74	69	65		72	68	64	63
6	83	73	66	61	81	72	65	61	70	65	60		69	64	60		67	63	59	58
7	78	68	61	56	77	67	61	56	66	60	56		64	59	55		63	59	55	53
8	74	63	57	52	73	63	56	52	61	56	52		60	55	51		59	55	51	50
9	70	59	53	48	69	59	52	48	58	52	48		57	52	48		56	51	48	46
10	66	56	49	45	65	55	49	45	54	49	45		54	48	45		53	48	45	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	212571
5°	209443
10°	200152
15°	185381
20°	166591
25°	146452
30°	124551
35°	100974
40°	75856
45°	48873
50°	23198
55°	18274
60°	17279
65°	16085
70°	14554
75°	13132
80°	12123
85°	12077

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 48873 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.2	8.5
10°-20°	227.7	21.8
20°-30°	276.6	26.4
30°-40°	234.6	22.4
40°-50°	121.9	11.6
50°-60°	44.0	4.2
60°-70°	30.4	2.9
70°-80°	16.5	1.6
80°-90°	5.2	0.5
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°	593.5	56.7
0°-40°	828.1	79.2
0°-60°	993.9	95.0
0°-90°	1046.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1046.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	969	
5°	952	89
15°	817	228
25°	605	277
35°	377	235
45°	158	122
55°	48	44
65°	31	30
75°	16	17
85°	5	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	969.4
2.5°	965.8
5°	951.5
7.5°	930.0
10°	898.9
12.5°	859.6
15°	816.6
17.5°	767.6
20°	713.9
22.5°	659.0
25°	605.3
27.5°	549.2
30°	491.9
32.5°	434.6
35°	377.2
37.5°	321.1
40°	265.0
42.5°	211.3
45°	157.6
47.5°	105.1
50°	68.0
52.5°	52.5
55°	47.8
57.5°	43.0
60°	39.4
62.5°	34.6
65°	31.0
67.5°	26.3
70°	22.7
72.5°	19.1
75°	15.5
77.5°	11.9
80°	9.6
82.5°	7.2
85°	4.8
87.5°	2.4
90°	0.0

(END OF REPORT)