

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: P1301446

Luminaire Tested: P3A17R50W2N902750DE010 E3DLD1MW_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1301446
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 E3DLD1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 2700K CCT AND, 90CRI ,
E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

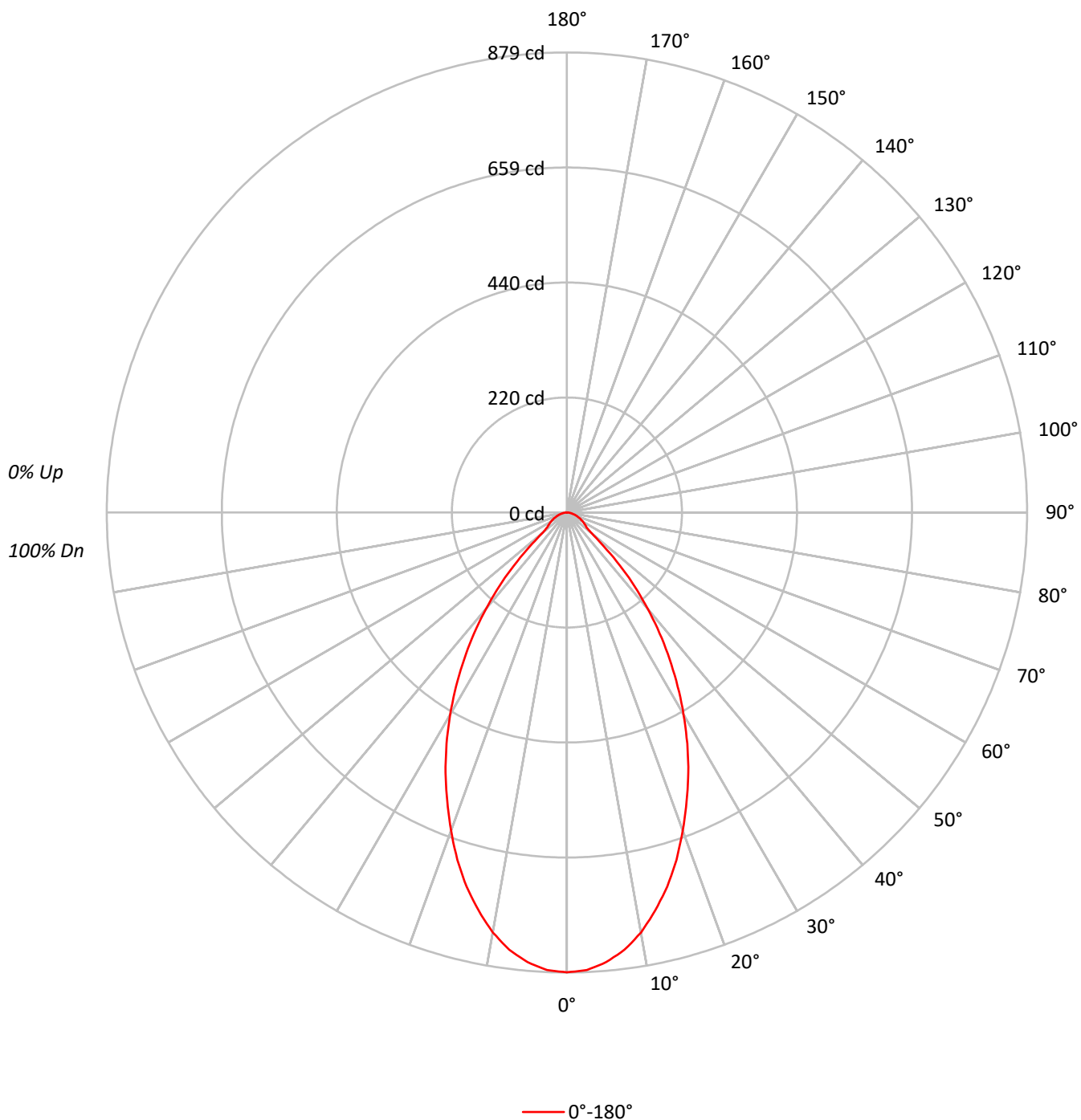
Lumens per Lamp: N/A
Luminaire Lumens: 948.0 lumens
Efficiency: N/A
Efficacy: 48.9 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	103	110	107	104	102	103	101	99		99	97	96		95
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83
4	93	85	78	73	91	83	77	73	81	76	72		79	75	71		77
5	88	78	72	67	86	77	71	66	75	70	66		74	69	65		72
6	83	73	66	61	81	72	65	61	70	65	60		69	64	60		67
7	78	68	61	56	77	67	61	56	66	60	56		64	59	55		63
8	74	63	57	52	73	63	56	52	61	56	52		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	52	48		56
10	66	56	49	45	65	55	49	45	54	49	45		54	48	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	192660
5°	189808
10°	181404
15°	168015
20°	150980
25°	132733
30°	112878
35°	91524
40°	68757
45°	44284
50°	21048
55°	16554
60°	15657
65°	14580
70°	13207
75°	11946
80°	10986
85°	10819

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 44284 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.8	8.5
10°-20°	206.3	21.8
20°-30°	250.7	26.4
30°-40°	212.6	22.4
40°-50°	110.4	11.6
50°-60°	39.9	4.2
60°-70°	27.6	2.9
70°-80°	15.0	1.6
80°-90°	4.7	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°	537.9	56.7
0°-40°	750.5	79.2
0°-60°	900.8	95.0
0°-90°	948.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	948.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	879	
5°	862	81
15°	740	206
25°	549	251
35°	342	213
45°	143	110
55°	43	40
65°	28	28
75°	14	15
85°	4	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	878.6
2.5°	875.3
5°	862.3
7.5°	842.9
10°	814.7
12.5°	779.0
15°	740.1
17.5°	695.7
20°	647.0
22.5°	597.2
25°	548.6
27.5°	497.7
30°	445.8
32.5°	393.8
35°	341.9
37.5°	291.1
40°	240.2
42.5°	191.5
45°	142.8
47.5°	95.2
50°	61.7
52.5°	47.6
55°	43.3
57.5°	39.0
60°	35.7
62.5°	31.4
65°	28.1
67.5°	23.8
70°	20.6
72.5°	17.3
75°	14.1
77.5°	10.8
80°	8.7
82.5°	6.5
85°	4.3
87.5°	2.2
90°	0.0

(END OF REPORT)