

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: P1301440

Luminaire Tested: P3A17R50W2N902750DE010 E3DLD1H_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1301440
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 E3DLD1H_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 5000K CCT AND, 90CRI ,
E3DLD1H TRIM
Light Source: -
Ballast/Driver: -

Summary

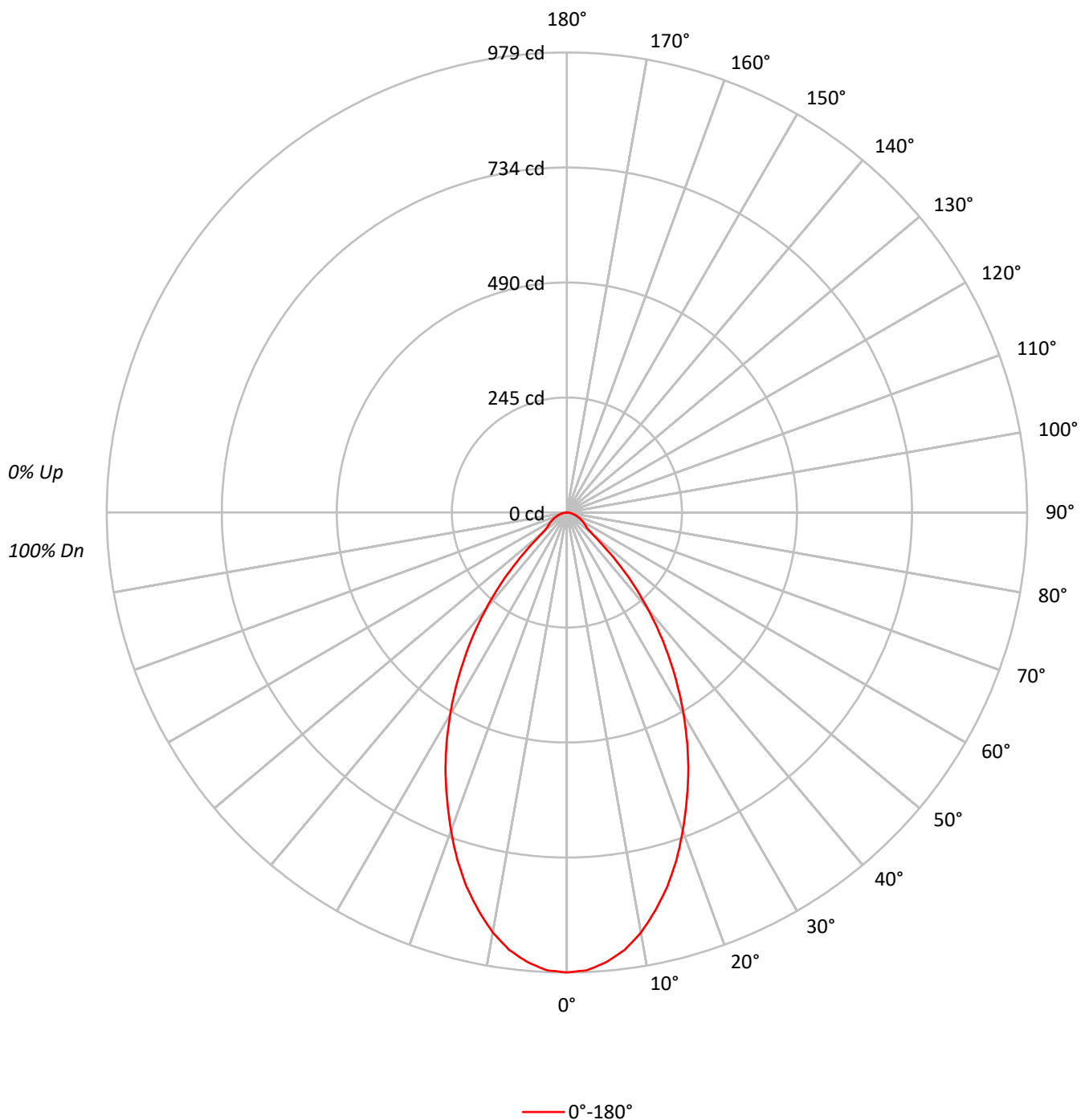
Lumens per Lamp: N/A
Luminaire Lumens: 1056.0 lumens
Efficiency: N/A
Efficacy: 54.4 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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					0
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	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°	214610
5°	211446
10°	202067
15°	187152
20°	168178
25°	147855
30°	125741
35°	101964
40°	76601
45°	49338
50°	23436
55°	18427
60°	17455
65°	16240
70°	14682
75°	13302
80°	12123
85°	12077

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 49338 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.0	8.5
10°-20°	229.8	21.8
20°-30°	279.3	26.4
30°-40°	236.8	22.4
40°-50°	123.0	11.7
50°-60°	44.4	4.2
60°-70°	30.7	2.9
70°-80°	16.7	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°	599.1	56.7
0°-40°	836.0	79.2
0°-60°	1003.4	95.0
0°-90°	1056.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1056.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	979	
5°	961	90
15°	824	230
25°	611	279
35°	381	237
45°	159	123
55°	48	44
65°	31	31
75°	16	17
85°	5	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	978.7
2.5°	975.0
5°	960.6
7.5°	938.9
10°	907.5
12.5°	867.8
15°	824.4
17.5°	775.0
20°	720.7
22.5°	665.3
25°	611.1
27.5°	554.4
30°	496.6
32.5°	438.7
35°	380.9
37.5°	324.2
40°	267.6
42.5°	213.3
45°	159.1
47.5°	106.1
50°	68.7
52.5°	53.0
55°	48.2
57.5°	43.4
60°	39.8
62.5°	35.0
65°	31.3
67.5°	26.5
70°	22.9
72.5°	19.3
75°	15.7
77.5°	12.1
80°	9.6
82.5°	7.2
85°	4.8
87.5°	2.4
90°	0.0

(END OF REPORT)