

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: P1301459

Luminaire Tested: P3A17R50W2N902750DE010 E3DLD1WMH_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1301459
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_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 4000K CCT AND, 90CRI ,
E3DLD1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

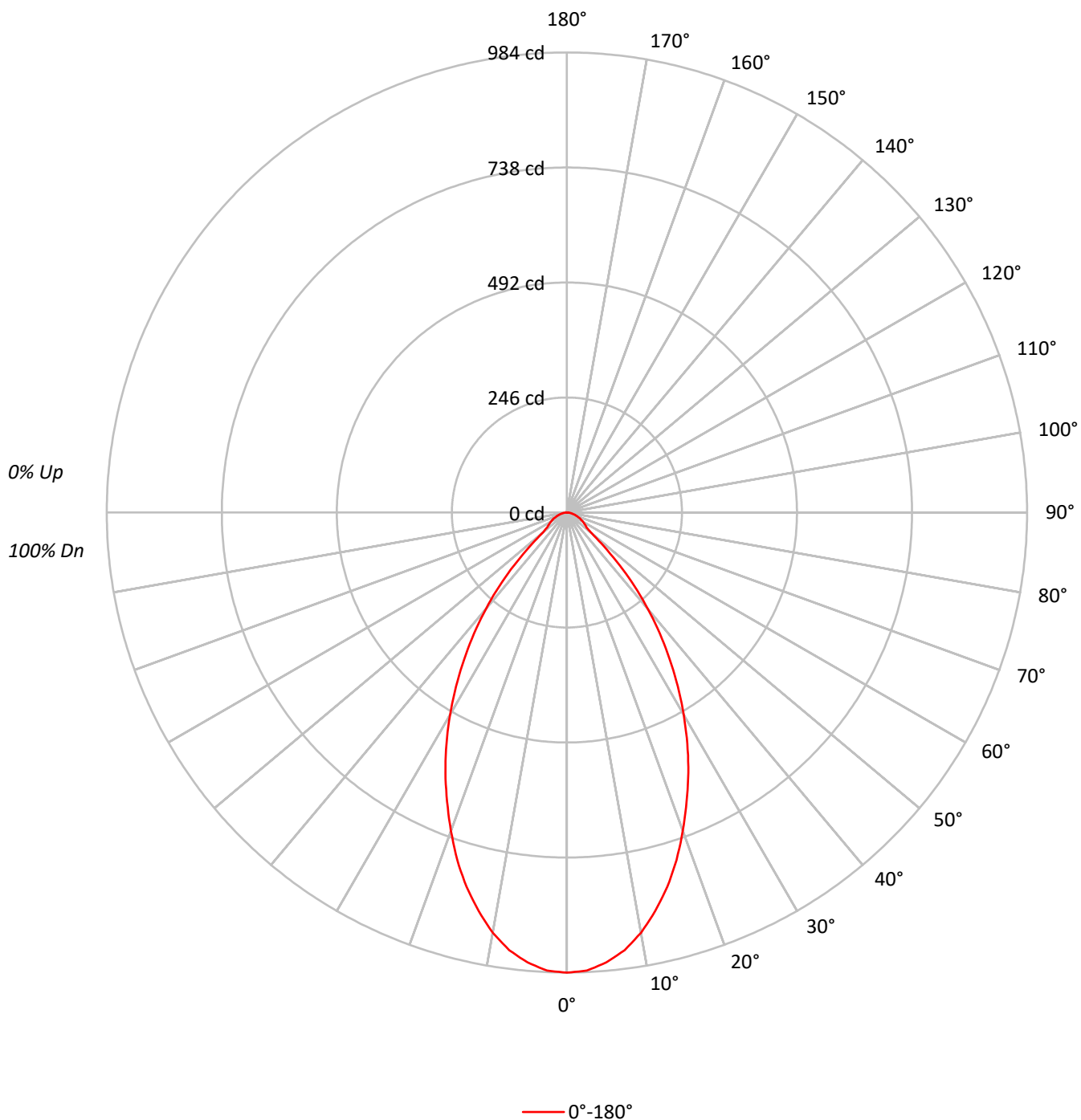
Lumens per Lamp: N/A
Luminaire Lumens: 1062.0 lumens
Efficiency: N/A
Efficacy: 54.7 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1301459

CATALOG NUMBER: P3A17R50W2N902750DE010 E3DLD1WMH_4000K

Luminous Intensity Polar Plot



TEST NUMBER: P1301459

CATALOG NUMBER: P3A17R50W2N902750DE010 E3DLD1WMH_4000K

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°	215816
5°	212634
10°	203225
15°	188219
20°	169135
25°	148678
30°	126450
35°	102526
40°	77030
45°	49618
50°	23573
55°	18542
60°	17542
65°	16344
70°	14746
75°	13386
80°	12249
85°	12077

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 49618 cd/sqm

TEST NUMBER: P1301459

CATALOG NUMBER: P3A17R50W2N902750DE010 E3DLD1WMH_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.5	8.5
10°-20°	231.2	21.8
20°-30°	280.8	26.4
30°-40°	238.2	22.4
40°-50°	123.7	11.6
50°-60°	44.6	4.2
60°-70°	30.9	2.9
70°-80°	16.8	1.6
80°-90°	5.3	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°	602.5	56.7
0°-40°	840.7	79.2
0°-60°	1009.1	95.0
0°-90°	1062.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1062.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	984	
5°	966	91
15°	829	231
25°	614	281
35°	383	238
45°	160	124
55°	48	45
65°	32	31
75°	16	17
85°	5	5
90°	0	

TEST NUMBER: P1301459

CATALOG NUMBER: P3A17R50W2N902750DE010 E3DLD1WMH_4000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	984.2
2.5°	980.6
5°	966.0
7.5°	944.2
10°	912.7
12.5°	872.7
15°	829.1
17.5°	779.4
20°	724.8
22.5°	669.1
25°	614.5
27.5°	557.6
30°	499.4
32.5°	441.2
35°	383.0
37.5°	326.1
40°	269.1
42.5°	214.5
45°	160.0
47.5°	106.7
50°	69.1
52.5°	53.3
55°	48.5
57.5°	43.6
60°	40.0
62.5°	35.2
65°	31.5
67.5°	26.7
70°	23.0
72.5°	19.4
75°	15.8
77.5°	12.1
80°	9.7
82.5°	7.3
85°	4.8
87.5°	2.4
90°	0.0

(END OF REPORT)