

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: P1301410

Luminaire Tested: P3A17R50W2N902750DE010 E3DL1H_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1301410
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R50W2N902750DE010 E3DL1H_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 5000K CCT AND, 90CRI ,
E3DL1H TRIM
Light Source: -
Ballast/Driver: -

Summary

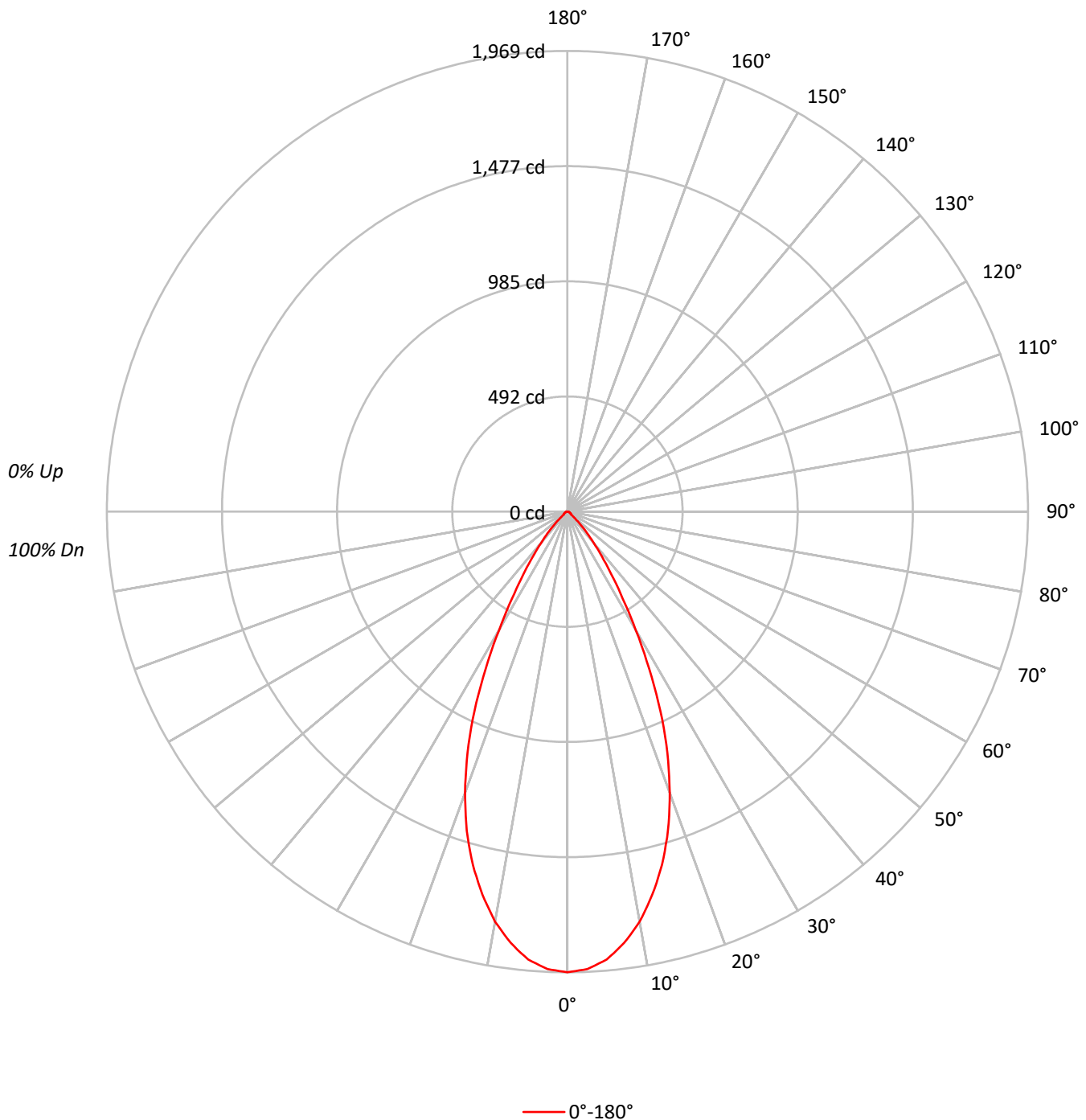
Lumens per Lamp: N/A
Luminaire Lumens: 1356.0 lumens
Efficiency: N/A
Efficacy: 69.9 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	84		88
4	98	91	85	81	96	90	85	81	87	83	80		85	82	79		84
5	93	85	80	75	92	84	79	75	83	78	74		81	77	74		79
6	89	80	75	71	88	80	74	70	78	73	70		77	73	69		75
7	85	76	70	66	84	75	70	66	74	69	66		73	69	65		72
8	81	72	66	62	80	71	66	62	70	65	62		69	65	62		68
9	78	68	63	59	76	68	62	59	67	62	59		66	62	58		65
10	74	65	59	56	73	65	59	56	64	59	55		63	58	55		62

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	431720
5°	423023
10°	396230
15°	354713
20°	298506
25°	227820
30°	148048
35°	87776
40°	50724
45°	25429
50°	9450
55°	7378
60°	6885
65°	6278
70°	6155
75°	6100
80°	6061
85°	6038

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 25429 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.8	13.2
10°-20°	432.1	31.9
20°-30°	423.9	31.3
30°-40°	213.6	15.7
40°-50°	67.5	5.0
50°-60°	17.5	1.3
60°-70°	12.4	0.9
70°-80°	7.6	0.6
80°-90°	2.6	0.2
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°	1034.8	76.3
0°-40°	1248.4	92.1
0°-60°	1333.3	98.3
0°-90°	1356.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1356.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1969	
5°	1922	179
15°	1562	432
25°	942	424
35°	328	214
45°	82	67
55°	19	17
65°	12	12
75°	7	8
85°	2	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1968.8
2.5°	1956.8
5°	1921.8
7.5°	1859.1
10°	1779.5
12.5°	1677.1
15°	1562.5
17.5°	1429.9
20°	1279.2
22.5°	1116.4
25°	941.6
27.5°	755.9
30°	584.7
32.5°	440.1
35°	327.9
37.5°	242.3
40°	177.2
42.5°	125.4
45°	82.0
47.5°	47.0
50°	27.7
52.5°	20.5
55°	19.3
57.5°	16.9
60°	15.7
62.5°	14.5
65°	12.1
67.5°	10.9
70°	9.6
72.5°	8.4
75°	7.2
77.5°	6.0
80°	4.8
82.5°	3.6
85°	2.4
87.5°	1.2
90°	0.0

(END OF REPORT)