

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: P1292574

Luminaire Tested: P3A09R30W2N902750DE010 E3DL1MW_3500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1292574
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R30W2N902750DE010 E3DL1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 3500K CCT AND, 90CRI ,
E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

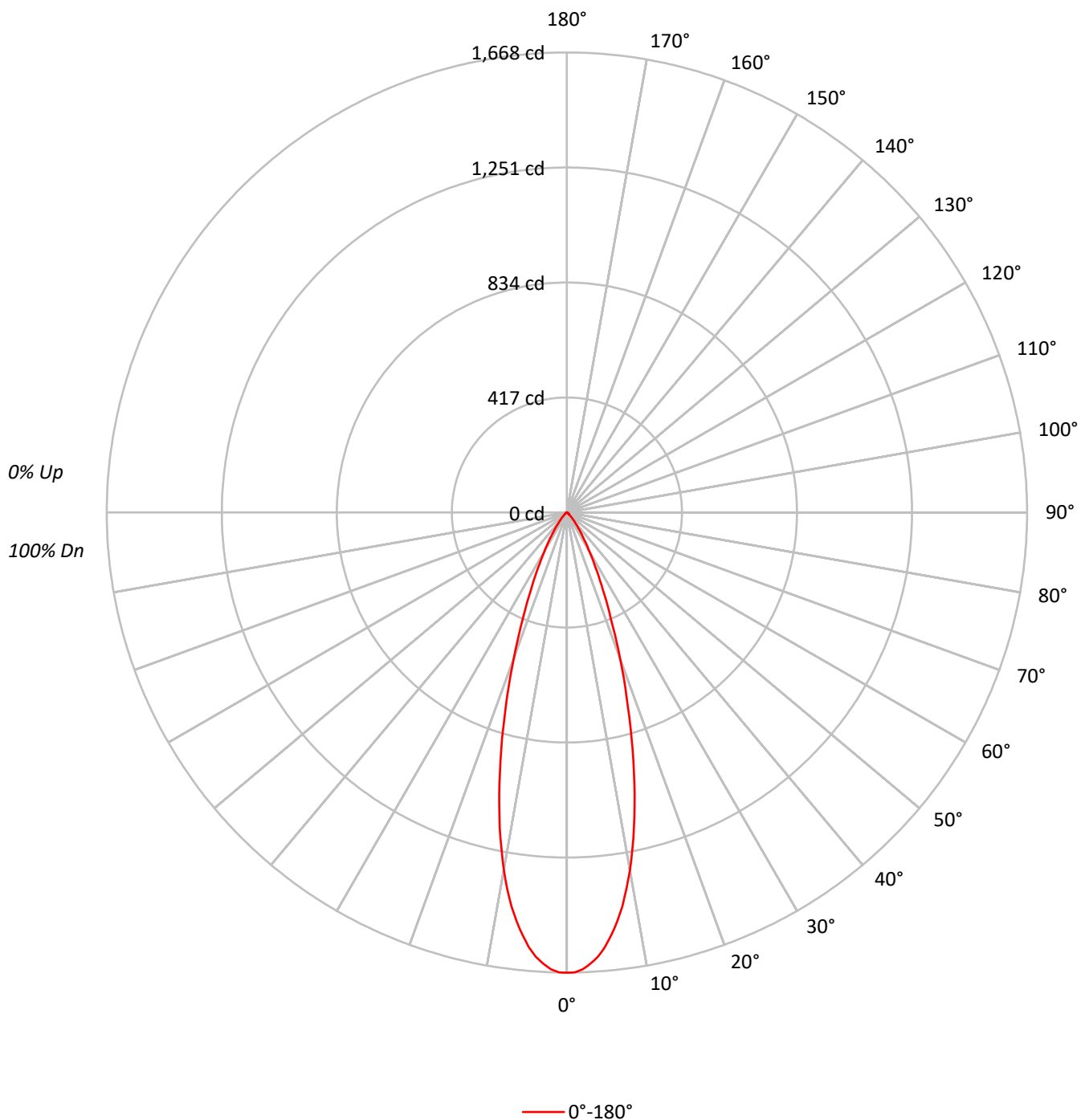
Lumens per Lamp: N/A
Luminaire Lumens: 627.0 lumens
Efficiency: N/A
Efficacy: 69.7 lumens/watt
Spacing Criteria (0/90/45): 0.54 / 0.54 / 0.54
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 9
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				20				20				20
RC	80				70				50				30				10				0				0				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	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	102	102	102	102	102	102	102	102	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	98	99	99	98	97	95	95	98	99	99	95
2	110	105	102	99	107	104	101	98	101	98	96	98	96	94	95	93	92	92	93	95	95	93	92	90	90	93	95	95	90
3	105	100	96	92	103	98	95	91	96	93	90	94	91	89	91	89	87	87	89	91	89	87	86	86	89	91	91	86	86
4	101	95	90	87	99	94	89	86	92	88	85	90	87	84	88	85	83	83	87	88	85	83	82	82	85	88	88	82	82
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	79	85	85	82	79	78	78	82	85	85	78	78
6	94	86	81	78	92	85	81	77	84	80	77	83	79	76	81	78	76	76	81	78	76	75	75	75	78	81	81	75	75
7	90	82	77	74	89	82	77	74	81	76	73	80	76	73	79	75	73	73	79	75	73	71	71	71	73	77	77	71	71
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	76	72	70	69	69	69	70	76	76	69	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	73	70	67	66	66	66	67	73	73	66	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	65	71	67	65	63	63	63	65	71	71	63	63

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	365870
5°	348227
10°	292914
15°	211238
20°	131028
25°	74520
30°	41399
35°	22513
40°	11879
45°	6419
50°	3446
55°	2256
60°	2061
65°	2127
70°	1923
75°	1525
80°	1515
85°	1510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 6419 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.5	22.7
10°-20°	253.2	40.4
20°-30°	146.4	23.3
30°-40°	55.5	8.9
40°-50°	17.0	2.7
50°-60°	5.7	0.9
60°-70°	3.9	0.6
70°-80°	2.1	0.3
80°-90°	0.7	0.1
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°	542.0	86.4
0°-40°	597.6	95.3
0°-60°	620.3	98.9
0°-90°	627.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	627.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1668	
5°	1582	142
15°	930	253
25°	308	146
35°	84	56
45°	21	17
55°	6	6
65°	4	4
75°	2	2
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1668.5
1°	1667.3
2°	1657.3
3°	1638.3
4°	1614.6
5°	1582.0
6°	1540.6
7°	1494.4
8°	1442.9
9°	1381.3
10°	1315.5
11°	1244.4
12°	1169.2
13°	1090.4
14°	1010.5
15°	930.5
17.5°	733.9
20°	561.5
22.5°	416.4
25°	308.0
27.5°	223.9
30°	163.5
32.5°	117.9
35°	84.1
37.5°	58.6
40°	41.5
42.5°	29.0
45°	20.7
47.5°	14.2
50°	10.1
52.5°	7.1
55°	5.9
57.5°	5.3
60°	4.7
62.5°	4.1
65°	4.1
67.5°	3.6
70°	3.0
72.5°	2.4
75°	1.8
77.5°	1.8
80°	1.2
82.5°	1.2
85°	0.6
87.5°	0.0



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)