

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: P1292528

Luminaire Tested: P3A09R30W2N902750DE010 E3CD1MW_3000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1292528
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R30W2N902750DE010 E3CD1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,
E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

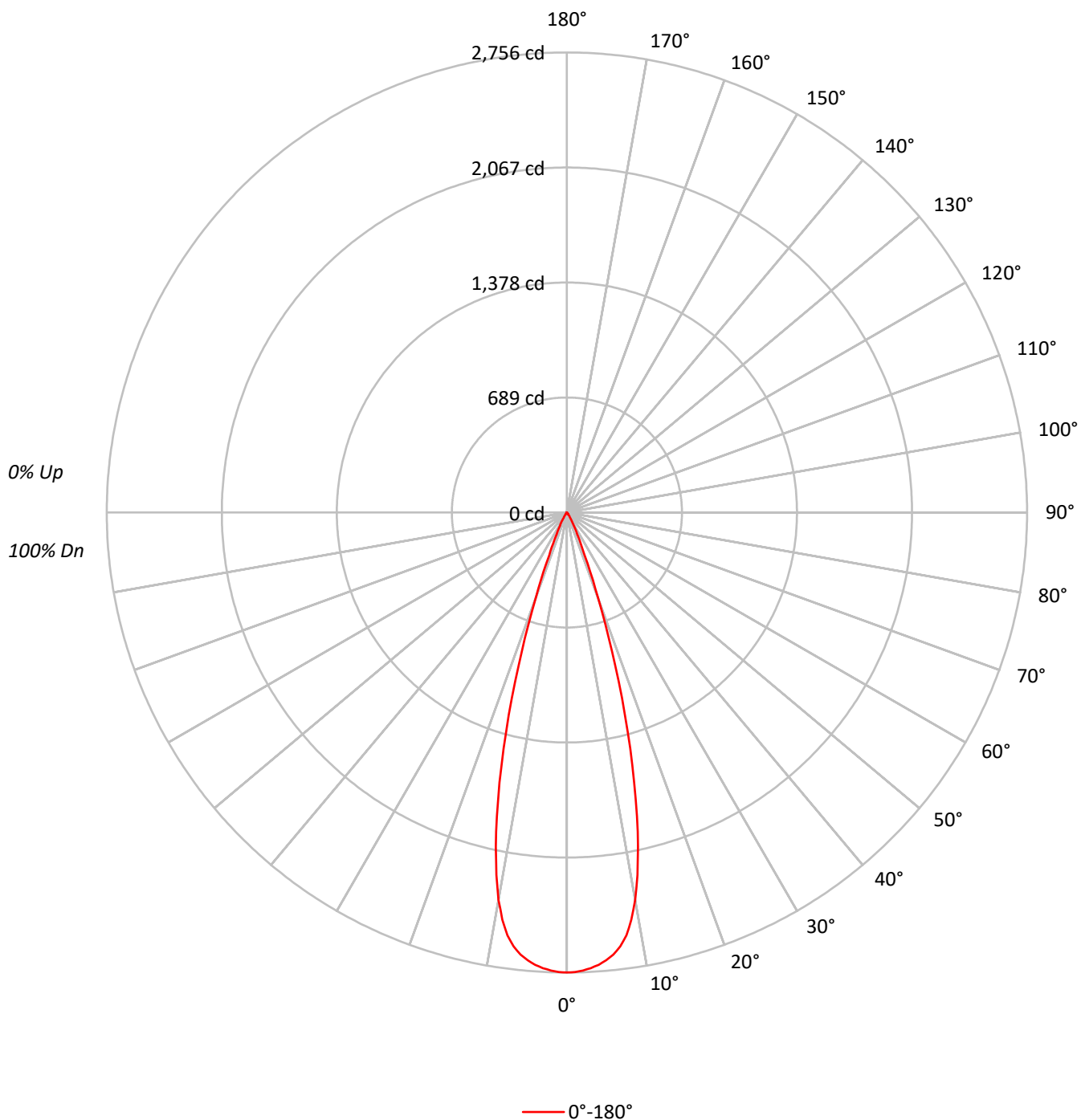
Lumens per Lamp: N/A
Luminaire Lumens: 742.1 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.47
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	100	99	98	97	96	95	94	93	92	91	90	89
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95	94	93	92	91	90	89	88	87	86
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	93	92	91	90	89	88	87	86	85	84	83
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	94	92	91	90	89	88	87	86	85	84	83	82	81	80
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	87	86	85	84	83	82	81	80	79	78	77
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	87	86	85	84	83	82	81	80	79	78	77	76	75
6	99	93	89	86	98	92	88	86	91	88	85	90	87	85	89	86	84	83	82	81	80	79	78	77	76	75	74	73	72
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	80	79	78	77	76	75	74	73	72	71	70
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	78	77	76	75	74	73	72	71	70	69	68
9	91	85	81	78	90	84	81	78	84	80	78	83	80	78	82	79	77	76	75	74	73	72	71	70	69	68	67	66	65
10	89	83	79	76	88	82	78	76	82	78	76	81	78	76	80	77	75	74	73	72	71	70	69	68	67	66	65	64	63

AVERAGE LUMINANCE (cd/sqm):

0°	604228
5°	592823
10°	524795
15°	332488
20°	126221
25°	37357
30°	14762
35°	4524
40°	2004
45°	713
50°	580
55°	459
60°	526
65°	623
70°	385
75°	508
80°	758
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 758 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.6	33.4
10°-20°	385.8	52.0
20°-30°	89.6	12.1
30°-40°	13.9	1.9
40°-50°	2.4	0.3
50°-60°	1.1	0.2
60°-70°	1.0	0.1
70°-80°	0.6	0.1
80°-90°	0.1	0.0
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°	723.0	97.4
0°-40°	736.9	99.3
0°-60°	740.4	99.8
0°-90°	742.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	742.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2756	
5°	2693	248
15°	1465	386
25°	154	90
35°	17	14
45°	2	2
55°	1	1
65°	1	1
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2755.5
1°	2753.8
2°	2746.2
3°	2733.4
4°	2717.1
5°	2693.2
6°	2663.5
7°	2619.2
8°	2558.6
9°	2469.4
10°	2356.9
11°	2211.8
12°	2048.0
13°	1866.2
14°	1666.3
15°	1464.6
17.5°	958.1
20°	540.9
22.5°	276.3
25°	154.4
27.5°	95.0
30°	58.3
32.5°	31.5
35°	16.9
37.5°	11.1
40°	7.0
42.5°	4.1
45°	2.3
47.5°	1.7
50°	1.7
52.5°	1.2
55°	1.2
57.5°	1.2
60°	1.2
62.5°	1.2
65°	1.2
67.5°	0.6
70°	0.6
72.5°	0.6
75°	0.6
77.5°	0.6
80°	0.6
82.5°	0.0
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)