

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: P1291556

Luminaire Tested: P3A09R15W2N902750DE010 E3D1MW_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1291556
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R15W2N902750DE010 E3D1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 5000K CCT AND, 90CRI ,
E3D1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

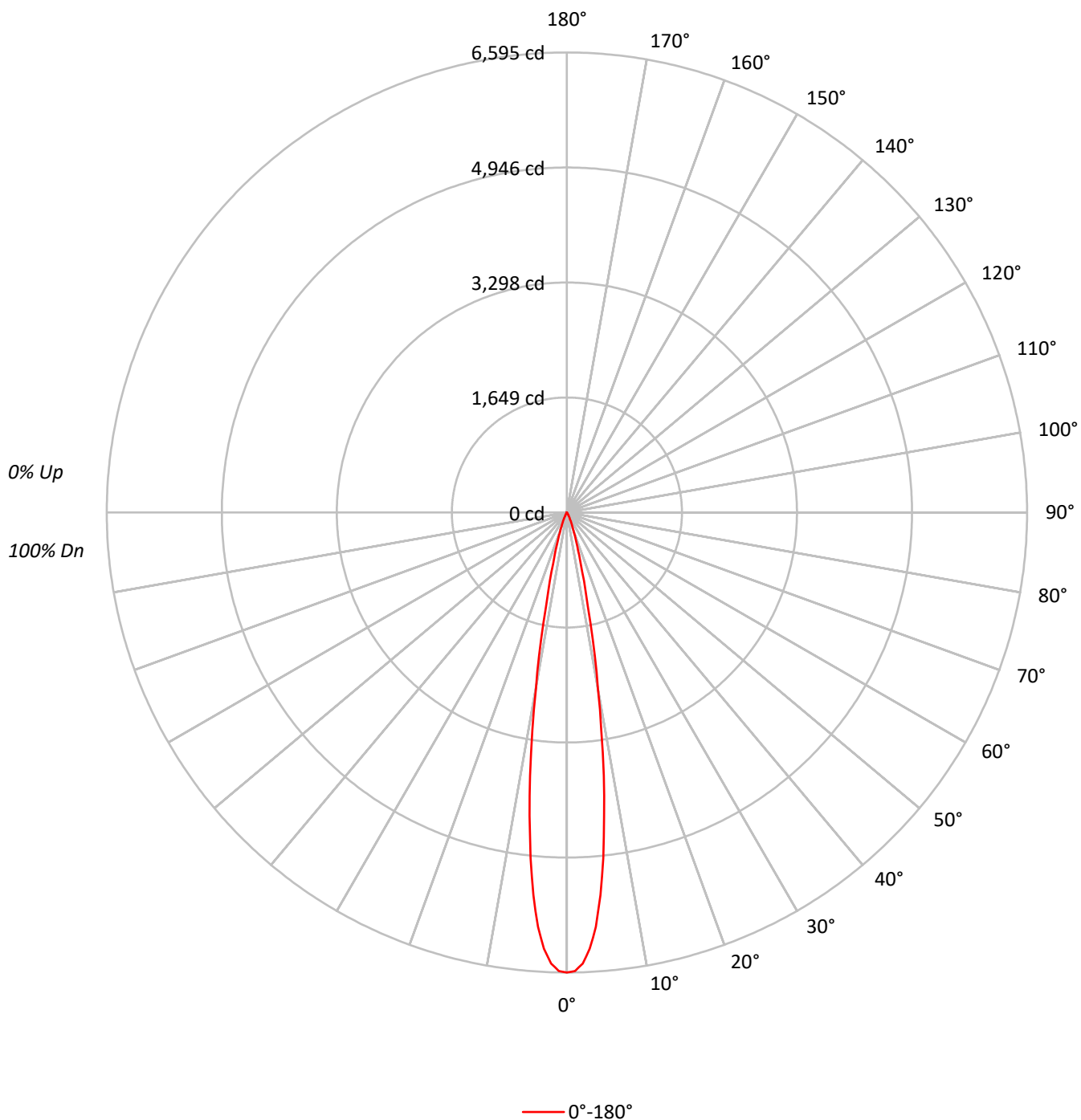
Lumens per Lamp: N/A
Luminaire Lumens: 744.1 lumens
Efficiency: N/A
Efficacy: 82.7 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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			
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	116	114	112	111	113	112	110	109	108	107	106		104	103	103		101	100	100	98
2	113	110	107	105	111	108	106	104	105	103	101		102	101	99		99	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98		100	98	97		98	97	95	94
4	107	103	100	97	106	102	99	97	100	97	95		98	96	94		97	95	93	92
5	105	100	97	94	104	99	96	94	98	95	93		96	94	92		95	93	92	91
6	103	98	94	92	102	97	94	92	96	93	91		95	92	91		94	92	90	89
7	101	96	92	90	100	95	92	90	94	91	89		93	91	89		92	90	89	88
8	99	94	90	88	98	93	90	88	92	90	88		92	89	87		91	89	87	86
9	97	92	89	87	97	92	89	86	91	88	86		90	88	86		90	87	86	85
10	96	90	87	85	95	90	87	85	89	87	85		89	86	85		88	86	85	84

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1446156
5°	1212015
10°	570909
15°	172124
20°	63682
25°	24751
30°	9242
35°	2838
40°	1002
45°	558
50°	409
55°	459
60°	526
65°	311
70°	385
75°	508
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 558 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	425.7	57.2
10°-20°	253.0	34.0
20°-30°	53.2	7.1
30°-40°	8.6	1.2
40°-50°	1.5	0.2
50°-60°	1.1	0.1
60°-70°	0.7	0.1
70°-80°	0.4	0.1
80°-90°	0.0	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°	731.9	98.4
0°-40°	740.5	99.5
0°-60°	743.0	99.9
0°-90°	744.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	744.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6595	
5°	5506	426
15°	758	253
25°	102	53
35°	11	9
45°	2	1
55°	1	1
65°	1	1
75°	1	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6595.0
1°	6574.4
2°	6469.7
3°	6260.3
4°	5953.3
5°	5506.2
6°	4981.0
7°	4380.4
8°	3806.9
9°	3157.5
10°	2564.0
12.5°	1383.5
15°	758.2
17.5°	444.1
20°	272.9
22.5°	167.1
25°	102.3
27.5°	61.8
30°	36.5
32.5°	20.6
35°	10.6
37.5°	5.9
40°	3.5
42.5°	2.4
45°	1.8
47.5°	1.2
50°	1.2
52.5°	1.2
55°	1.2
57.5°	1.2
60°	1.2
62.5°	0.6
65°	0.6
67.5°	0.6
70°	0.6
72.5°	0.6
75°	0.6
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)