

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: P1291565

Luminaire Tested: P3A09R15W2N902750DE010 E3D1WMH_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1291565
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R15W2N902750DE010 E3D1WMH_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 4000K CCT AND, 90CRI ,
E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

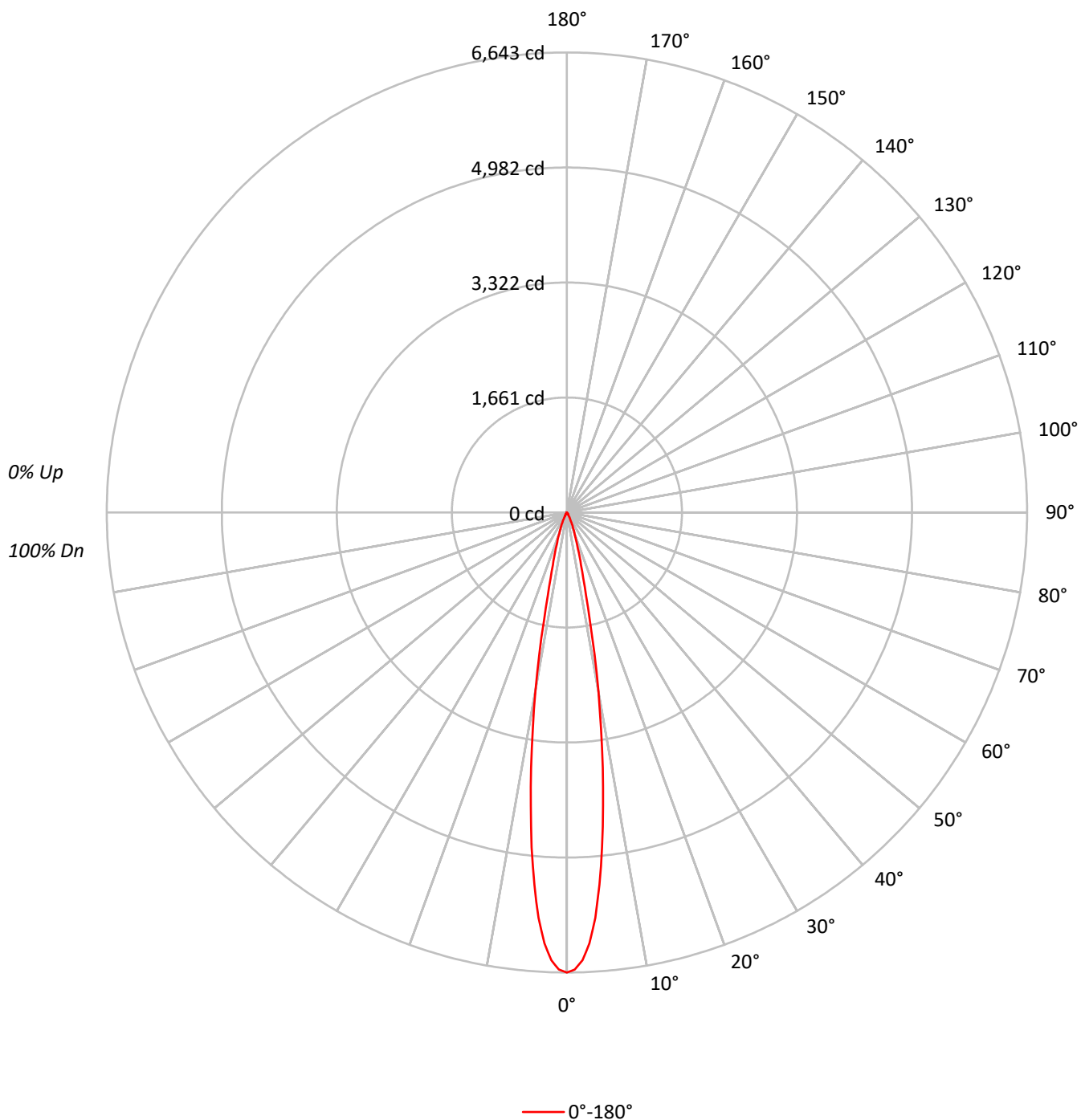
Lumens per Lamp: N/A
Luminaire Lumens: 765.0 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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				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	0				0				0
RCR																													
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100											100
1	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	98											98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	96											96
3	110	106	102	100	108	104	102	99	102	100	98	100	98	96	98	96	95	94											94
4	107	102	99	96	105	101	98	96	99	97	95	98	96	94	96	94	93	92											92
5	105	100	96	94	103	99	96	93	97	94	92	96	93	92	94	93	91	90											90
6	102	97	94	91	101	96	93	91	95	92	90	94	92	90	93	91	89	88											88
7	100	95	91	89	99	94	91	89	93	90	88	92	90	88	91	89	88	87											87
8	98	93	89	87	97	92	89	87	91	89	87	91	88	86	90	88	86	85											85
9	96	91	88	85	96	91	87	85	90	87	85	89	87	85	88	86	85	84											84
10	95	89	86	84	94	89	86	84	88	85	83	88	85	83	87	85	83	82											82

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1456747
5°	1187890
10°	581753
15°	178071
20°	75397
25°	34115
30°	13293
35°	6130
40°	1918
45°	713
50°	307
55°	115
60°	132
65°	156
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 713 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	420.1	54.9
10°-20°	257.8	33.7
20°-30°	69.2	9.0
30°-40°	15.3	2.0
40°-50°	2.2	0.3
50°-60°	0.4	0.1
60°-70°	0.2	0.0
70°-80°	0.0	0.0
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°	747.1	97.6
0°-40°	762.3	99.6
0°-60°	764.9	100.0
0°-90°	765.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	765.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6643	
5°	5397	420
15°	784	258
25°	141	69
35°	23	15
45°	2	2
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6643.3
1°	6601.9
2°	6468.7
3°	6228.8
4°	5867.7
5°	5396.6
6°	4863.7
7°	4270.2
8°	3724.9
9°	3146.8
10°	2612.7
11°	2084.2
12°	1603.5
13°	1233.4
14°	976.4
15°	784.4
17.5°	486.2
20°	323.1
22.5°	217.6
25°	141.0
27.5°	83.5
30°	52.5
32.5°	35.4
35°	22.9
37.5°	12.8
40°	6.7
42.5°	3.8
45°	2.3
47.5°	1.5
50°	0.9
52.5°	0.6
55°	0.3
57.5°	0.3
60°	0.3
62.5°	0.3
65°	0.3
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
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)