

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: P1292168

Luminaire Tested: P3A09R25W2N902750DE010 E3CD1MB_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1292168
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R25W2N902750DE010 E3CD1MB_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 4000K CCT AND, 90CRI ,
E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

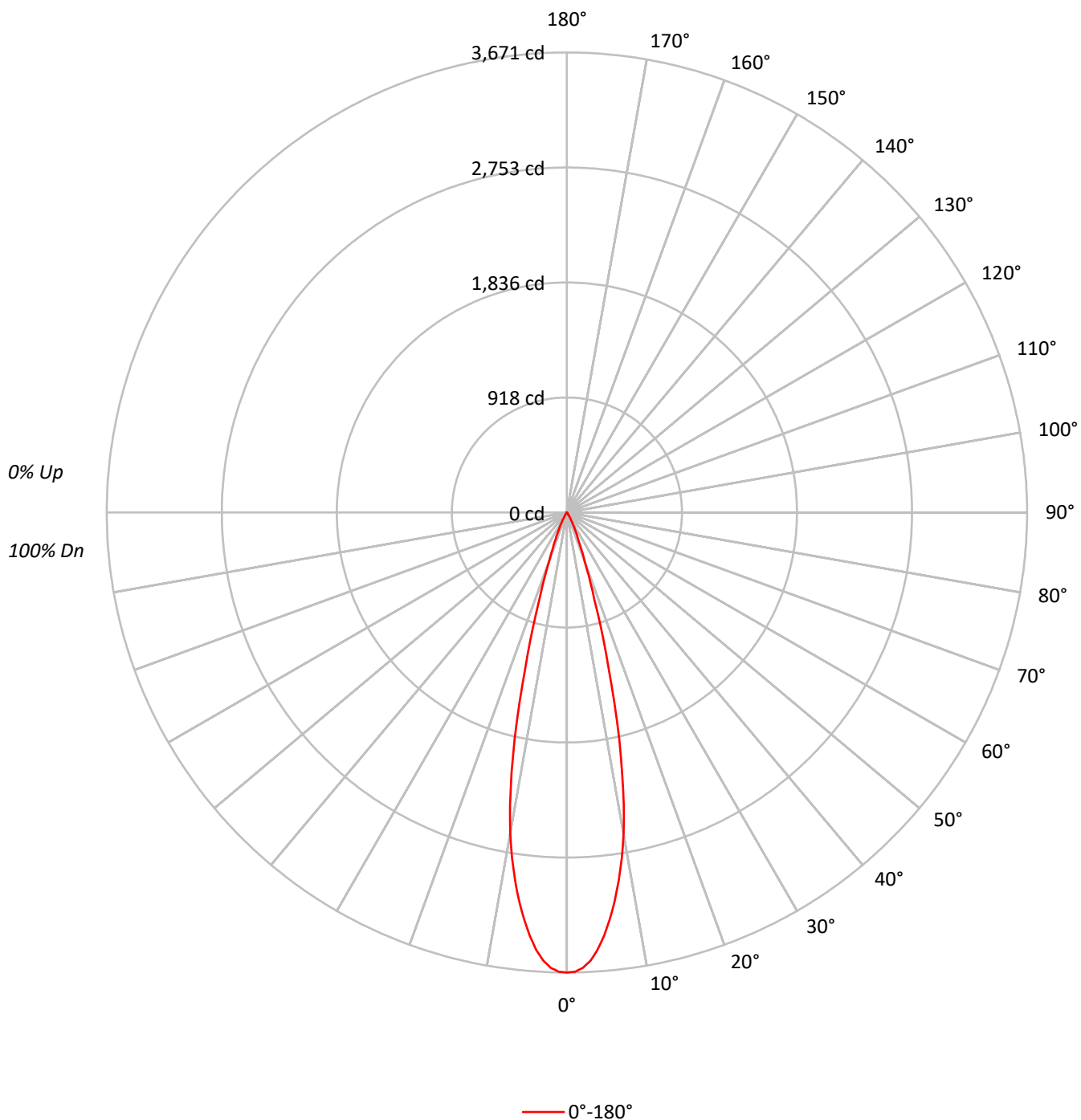
Lumens per Lamp: N/A
Luminaire Lumens: 753.1 lumens
Efficiency: N/A
Efficacy: 83.7 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	99	99	97				100				
1	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	97			97								
2	112	108	105	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94			94								
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92			92								
4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89			89								
5	103	97	93	90	101	96	93	90	95	92	89	93	91	89	92	90	88	87			87								
6	100	94	90	87	99	93	90	87	92	89	87	91	88	86	90	87	86	85			85								
7	97	91	88	85	96	91	87	85	90	87	84	89	86	84	88	85	83	83			83								
8	95	89	85	83	94	89	85	82	88	84	82	87	84	82	86	83	81	81			81								
9	93	87	83	80	92	86	83	80	86	82	80	85	82	80	84	82	80	79			79								
10	91	85	81	78	90	84	81	78	84	80	78	83	80	78	82	80	78	77			77								

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	805067
5°	746685
10°	579059
15°	290354
20°	95395
25°	37938
30°	14230
35°	4122
40°	1861
45°	744
50°	614
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°	298.4	39.6
10°-20°	356.0	47.3
20°-30°	80.2	10.7
30°-40°	13.0	1.7
40°-50°	2.4	0.3
50°-60°	1.3	0.2
60°-70°	1.1	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°	734.6	97.5
0°-40°	747.6	99.3
0°-60°	751.2	99.8
0°-90°	753.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	753.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3671	
5°	3392	298
15°	1279	356
25°	157	80
35°	15	13
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°	3671.4
1°	3665.5
2°	3635.9
3°	3581.5
4°	3499.2
5°	3392.2
6°	3264.4
7°	3126.0
8°	2967.4
9°	2794.1
10°	2600.6
11°	2377.6
12°	2120.8
13°	1852.3
14°	1564.2
15°	1279.0
17.5°	728.8
20°	408.8
22.5°	246.7
25°	156.8
27.5°	96.4
30°	56.2
32.5°	29.6
35°	15.4
37.5°	10.1
40°	6.5
42.5°	4.1
45°	2.4
47.5°	1.8
50°	1.8
52.5°	1.8
55°	1.2
57.5°	1.2
60°	1.2
62.5°	1.2
65°	1.2
67.5°	1.2
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)