

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: P1292200

Luminaire Tested: P3A09R25W2N902750DE010 E3D1WMH_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1292200
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R25W2N902750DE010 E3D1WMH_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 2700K CCT AND, 90CRI ,
E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

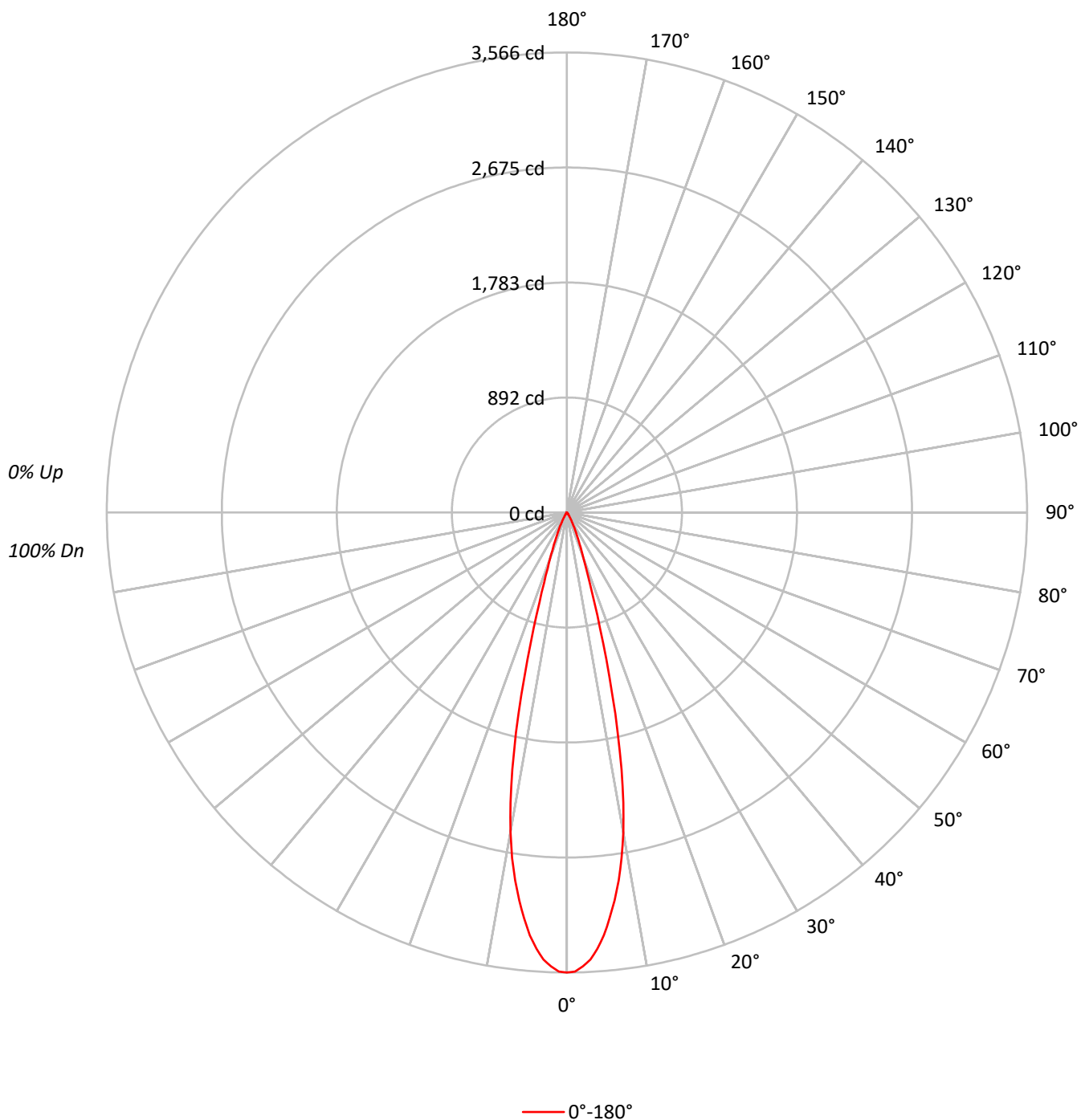
Lumens per Lamp: N/A
Luminaire Lumens: 714.0 lumens
Efficiency: N/A
Efficacy: 79.3 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.4
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	781955
5°	724387
10°	560466
15°	267697
20°	88254
25°	37212
30°	14433
35°	6237
40°	2061
45°	961
50°	341
55°	191
60°	132
65°	156
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 961 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.3	40.5
10°-20°	329.0	46.1
20°-30°	76.5	10.7
30°-40°	16.0	2.2
40°-50°	2.6	0.4
50°-60°	0.4	0.1
60°-70°	0.3	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°	694.7	97.3
0°-40°	710.8	99.5
0°-60°	713.8	100.0
0°-90°	714.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	714.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3566	
5°	3291	289
15°	1179	329
25°	154	76
35°	23	16
45°	3	3
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3566.0
1°	3558.8
2°	3521.8
3°	3469.7
4°	3390.3
5°	3290.9
6°	3163.2
7°	3029.6
8°	2879.8
9°	2710.7
10°	2517.1
11°	2292.6
12°	2035.0
13°	1752.9
14°	1457.7
15°	1179.2
16°	932.7
17°	726.7
18°	571.6
19°	457.2
20°	378.2
21°	316.1
22°	265.3
23°	221.6
24°	185.4
25°	153.8
27.5°	91.1
30°	57.0
32.5°	36.5
35°	23.3
37.5°	14.0
40°	7.2
42.5°	4.7
45°	3.1
47.5°	1.8
50°	1.0
52.5°	0.5
55°	0.5
57.5°	0.3
60°	0.3
62.5°	0.3
65°	0.3
67.5°	0.3
70°	0.0
72.5°	0.0



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CANDELA DISTRIBUTION (continued):

	0°
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)