

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: P1291917

Luminaire Tested: P3A09R20W2N902750DE010 E3D1WMH_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1291917
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R20W2N902750DE010 E3D1WMH_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 4000K CCT AND, 90CRI ,
E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

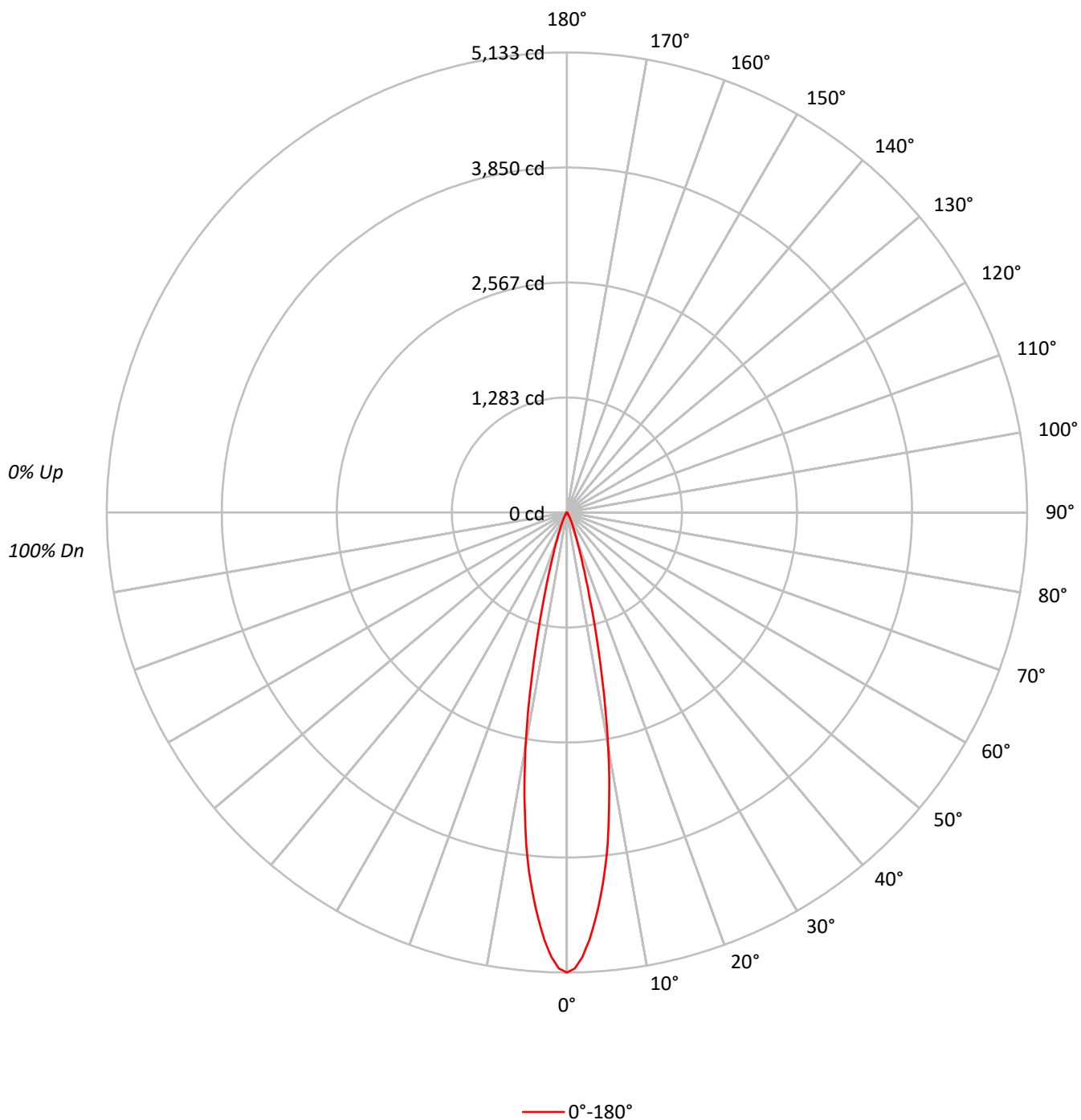
Lumens per Lamp: N/A
Luminaire Lumens: 742.0 lumens
Efficiency: N/A
Efficacy: 82.4 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	115	114	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97	97	97
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	98	96	95	95	95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93	93	93
4	106	101	98	95	105	100	97	95	99	96	94	97	95	93	95	93	92	91	91	91
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	90	89	89	89
6	101	96	92	89	100	95	92	89	94	91	89	93	90	88	92	89	88	87	87	87
7	99	93	90	87	98	93	89	87	92	89	86	91	88	86	90	87	86	85	85	85
8	97	91	87	85	96	91	87	85	90	87	85	89	86	84	88	86	84	83	83	83
9	95	89	85	83	94	89	85	83	88	85	83	87	84	83	87	84	82	81	81	81
10	93	87	84	81	92	87	83	81	86	83	81	86	83	81	85	83	81	80	80	80

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1125546
5°	947653
10°	591906
15°	221295
20°	75957
25°	31647
30°	14914
35°	6666
40°	3149
45°	1613
50°	580
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: 1613 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	358.0	48.3
10°-20°	294.9	39.7
20°-30°	67.0	9.0
30°-40°	17.1	2.3
40°-50°	4.3	0.6
50°-60°	0.5	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°	719.9	97.0
0°-40°	737.0	99.3
0°-60°	741.8	100.0
0°-90°	742.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	742.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5133	
5°	4305	358
15°	975	295
25°	131	67
35°	25	17
45°	5	4
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	5132.9
1°	5089.4
2°	4961.2
3°	4777.3
4°	4551.6
5°	4305.2
6°	4030.8
7°	3727.9
8°	3374.6
9°	3024.4
10°	2658.3
11°	2268.7
12°	1879.6
13°	1550.1
14°	1235.0
15°	974.8
16°	769.4
17°	606.9
18°	487.7
19°	396.6
20°	325.5
21°	272.1
22°	227.2
23°	188.9
24°	157.5
25°	130.8
27.5°	85.6
30°	58.9
32.5°	36.3
35°	24.9
37.5°	16.0
40°	11.0
42.5°	7.5
45°	5.2
47.5°	3.5
50°	1.7
52.5°	0.9
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



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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)