

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: P1291918

Luminaire Tested: P3AS09R20W2N902750DE010 E3D1WMH\_5000K

Issue Date: 1/29/2026

**Test Information**

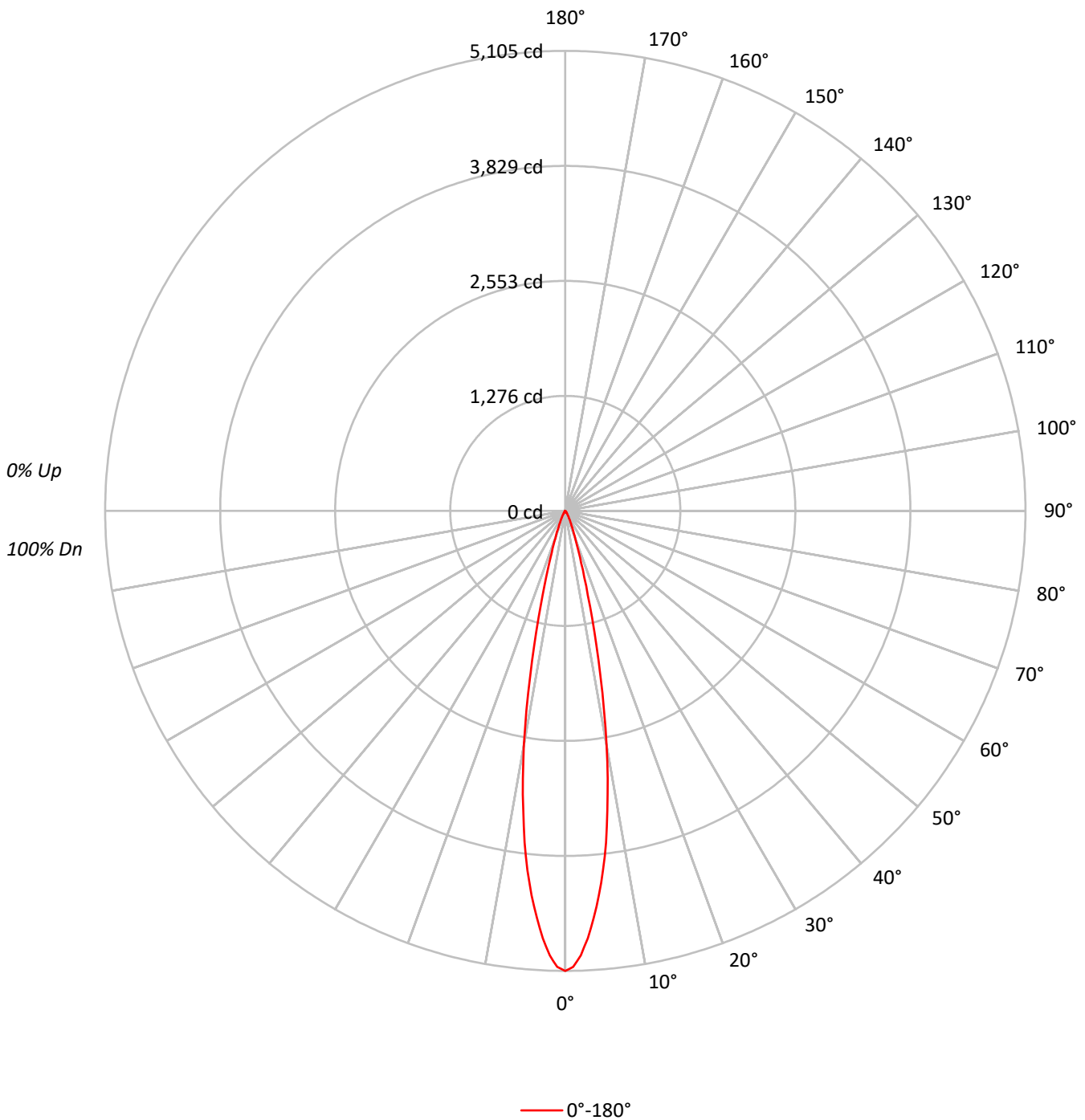
Test Method: LM-79-2019  
Report Number: P1291918  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS09R20W2N902750DE010 E3D1WMH\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 90CRI ,  
E3D1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 738.0 lumens  
Efficiency: N/A  
Efficacy: 82.0 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		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	115	114	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99		97
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	98	96		95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94		93
4	106	101	98	95	105	100	97	95	99	96	94	97	95	93	95	93	92		91
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	90		89
6	101	96	92	89	100	95	92	89	94	91	89	93	90	88	92	89	88		87
7	99	93	90	87	98	93	89	87	92	89	86	91	88	86	90	87	86		85
8	97	91	87	85	96	91	87	85	90	87	85	89	86	84	88	86	84		83
9	95	89	85	83	94	89	85	83	88	85	83	87	84	83	87	84	82		81
10	93	87	84	81	92	87	83	81	86	83	81	86	83	81	85	83	81		80

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	1119494
5°	942547
10°	588722
15°	220092
20°	75560
25°	31478
30°	14838
35°	6639
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°	356.1	48.2
10°-20°	293.3	39.7
20°-30°	66.6	9.0
30°-40°	17.0	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°	716.0	97.0
0°-40°	733.0	99.3
0°-60°	737.8	100.0
0°-90°	738.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	738.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5105	
5°	4282	356
15°	970	293
25°	130	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°	5105.3
1°	5062.0
2°	4934.4
3°	4751.5
4°	4527.0
5°	4282.0
6°	4009.1
7°	3707.8
8°	3356.4
9°	3008.1
10°	2644.0
11°	2256.4
12°	1869.5
13°	1541.7
14°	1228.3
15°	969.5
16°	765.2
17°	603.6
18°	485.0
19°	394.4
20°	323.8
21°	270.7
22°	225.9
23°	187.8
24°	156.7
25°	130.1
27.5°	85.1
30°	58.6
32.5°	36.1
35°	24.8
37.5°	15.9
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)