

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: P1291891

Luminaire Tested: P3AS09R20W2N902750DE010 E3CD1MW\_3500K

Issue Date: 1/30/2026

**Test Information**

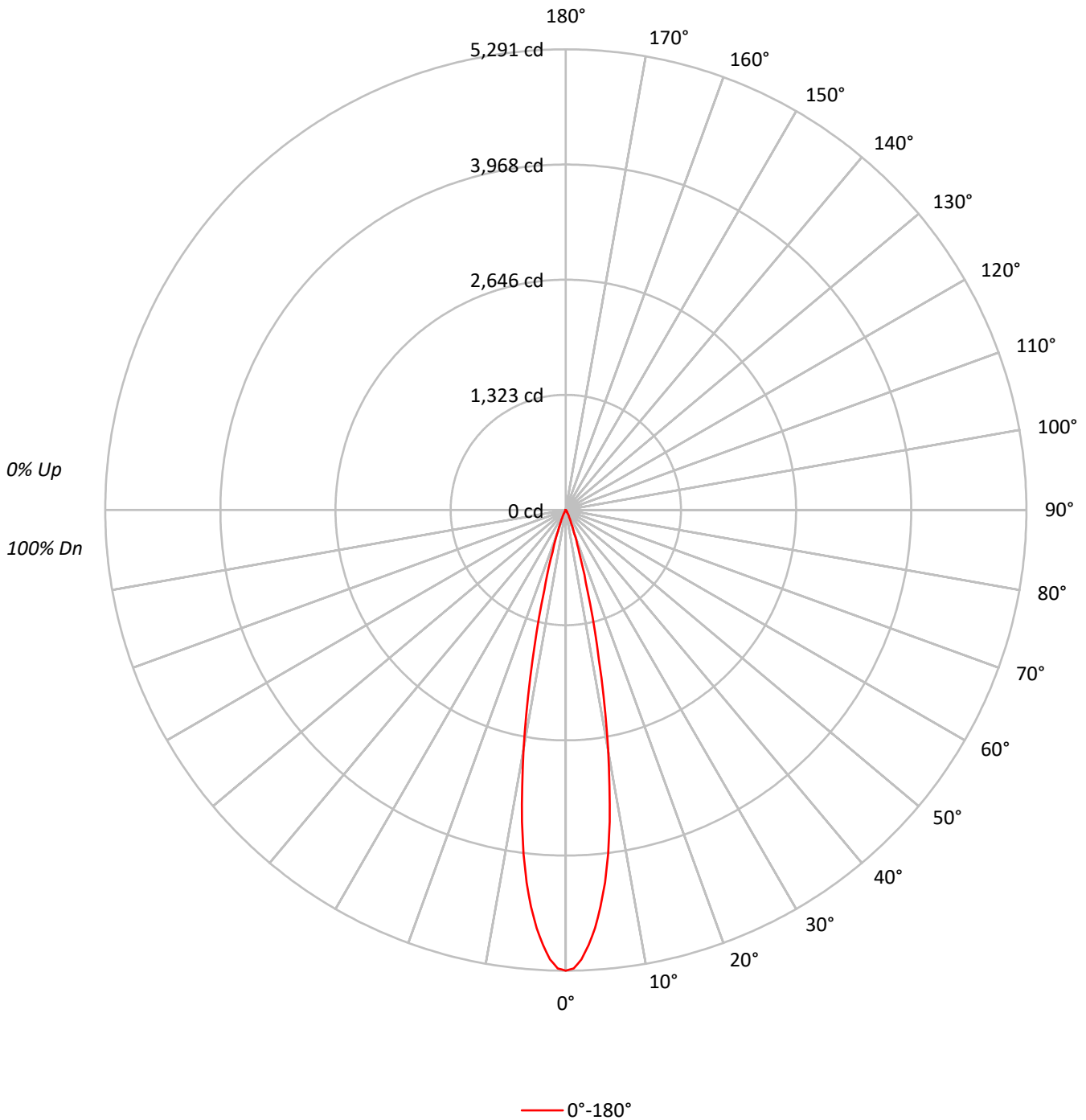
Test Method: LM-79-2019  
Report Number: P1291891  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS09R20W2N902750DE010 E3CD1MW\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3500K CCT AND, 90CRI ,  
E3CD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 747.0 lumens  
Efficiency: N/A  
Efficacy: 83.0 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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	116	114	112	110	113	112	110	109	108	106	105	104	103	102	101	100	99	98	98	98	98
2	112	109	106	104	110	108	105	103	104	103	101	102	100	99	99	98	97	97	97	97	95
3	109	105	102	100	108	104	101	99	102	99	97	99	98	96	97	96	95	95	95	95	93
4	107	102	99	96	105	101	98	96	99	97	94	97	95	93	96	94	92	92	92	92	91
5	104	99	96	93	103	98	95	93	97	94	92	95	93	91	94	92	91	91	91	91	90
6	102	97	93	91	101	96	93	90	95	92	90	94	91	89	93	90	89	89	89	89	88
7	100	94	91	88	99	94	91	88	93	90	88	92	89	87	91	89	87	87	87	87	86
8	98	92	89	86	97	92	89	86	91	88	86	90	88	86	89	87	85	85	85	85	85
9	96	90	87	85	95	90	87	85	89	86	84	89	86	84	88	86	84	84	84	84	83
10	94	89	85	83	93	88	85	83	88	85	83	87	84	83	86	84	82	82	82	82	82

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

	0°
0°	1160170
5°	1006997
10°	622211
15°	216119
20°	66366
25°	23469
30°	8685
35°	3480
40°	1861
45°	744
50°	409
55°	459
60°	526
65°	311
70°	385
75°	508
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 744 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	379.7	50.8
10°-20°	301.2	40.3
20°-30°	52.2	7.0
30°-40°	9.5	1.3
40°-50°	2.2	0.3
50°-60°	1.1	0.1
60°-70°	0.7	0.1
70°-80°	0.6	0.1
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°	733.1	98.1
0°-40°	742.6	99.4
0°-60°	745.8	99.8
0°-90°	747.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	747.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5291	
5°	4575	380
15°	952	301
25°	97	52
35°	13	9
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°	5290.8
1°	5265.4
2°	5164.9
3°	5003.5
4°	4814.3
5°	4574.8
6°	4300.4
7°	3981.1
8°	3617.5
9°	3208.9
10°	2794.4
12.5°	1762.6
15°	952.0
17.5°	508.5
20°	284.4
22.5°	162.6
25°	97.0
27.5°	59.1
30°	34.3
32.5°	20.1
35°	13.0
37.5°	8.9
40°	6.5
42.5°	4.1
45°	2.4
47.5°	1.2
50°	1.2
52.5°	1.2
55°	1.2
57.5°	1.2
60°	1.2
62.5°	0.6
65°	0.6
67.5°	0.6
70°	0.6
72.5°	0.6
75°	0.6
77.5°	0.6
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)