

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: P1293191

Luminaire Tested: P3AS09R40W2N902750DE010 E3CD1MW\_5000K

Issue Date: 1/30/2026

**Test Information**

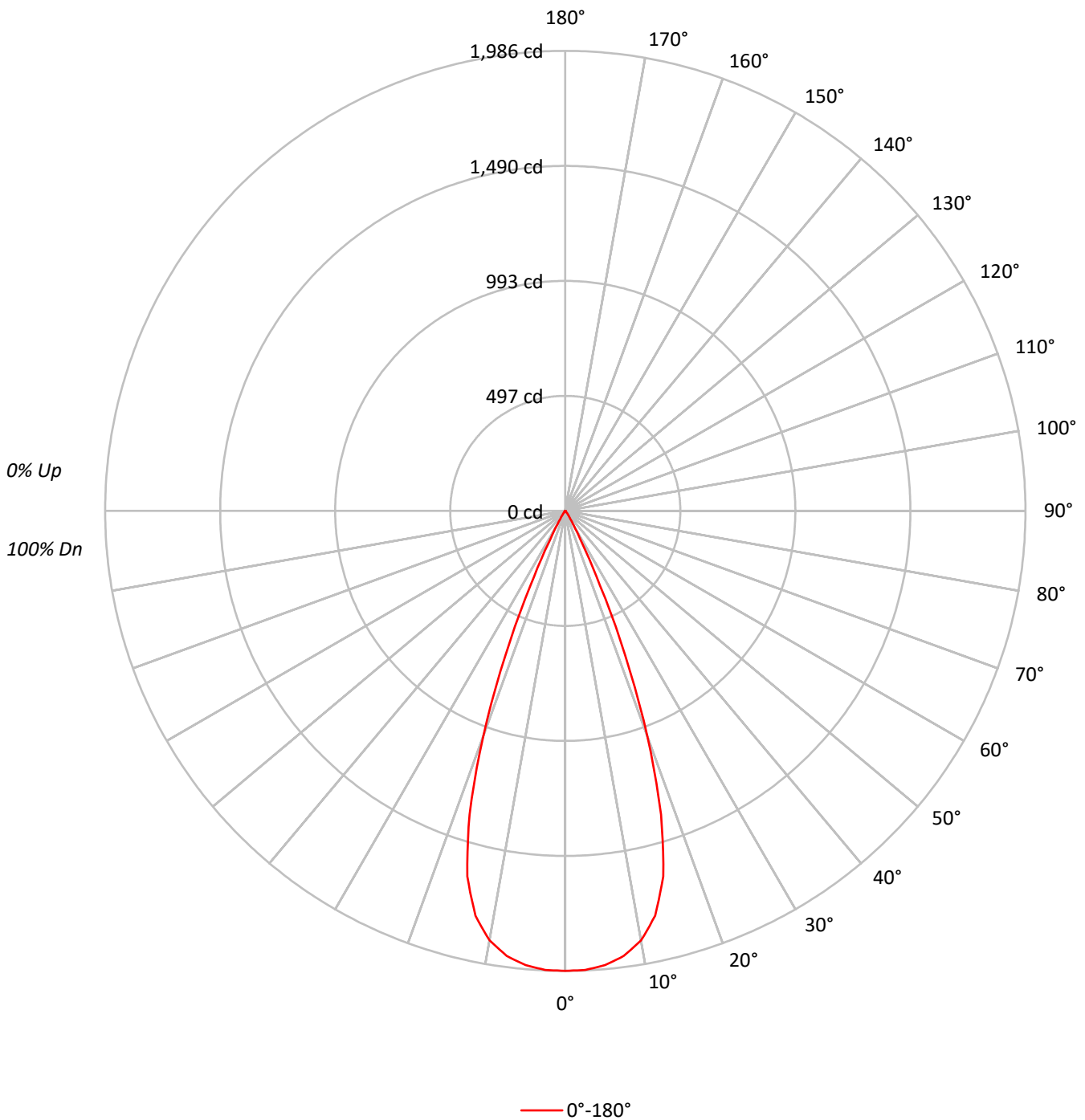
Test Method: LM-79-2019  
Report Number: P1293191  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS09R40W2N902750DE010 E3CD1MW\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 5000K CCT AND, 90CRI ,  
E3CD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 827.1 lumens  
Efficiency: N/A  
Efficacy: 91.9 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.59  
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	
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
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96				96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92				92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	94	92	90	89				89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	86	85				85
5	100	93	89	86	98	92	88	85	91	87	85	89	86	84	88	85	83	82				82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	79				79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	79	77	76				76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	73				73
9	87	80	76	73	87	80	76	73	79	75	72	78	75	72	77	74	72	71				71
10	85	77	73	70	84	77	73	70	76	73	70	76	72	70	75	72	70	69				69

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

	0°
0°	435426
5°	433347
10°	419231
15°	370899
20°	241988
25°	85723
30°	18180
35°	5996
40°	2204
45°	744
50°	614
55°	688
60°	526
65°	623
70°	385
75°	508
80°	758
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 82.5°  
 Luminance: 1008 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	185.2	22.4
10°-20°	431.4	52.2
20°-30°	187.2	22.6
30°-40°	17.3	2.1
40°-50°	2.5	0.3
50°-60°	1.5	0.2
60°-70°	1.1	0.1
70°-80°	0.6	0.1
80°-90°	0.2	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°	803.8	97.2
0°-40°	821.1	99.3
0°-60°	825.1	99.8
0°-90°	827.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	827.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1986	
5°	1969	185
15°	1634	431
25°	354	187
35°	22	17
45°	2	2
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1985.7
2.5°	1983.4
5°	1968.7
7.5°	1937.5
10°	1882.8
12.5°	1790.4
15°	1633.8
17.5°	1374.3
20°	1037.0
22.5°	673.3
25°	354.3
27.5°	152.4
30°	71.8
32.5°	38.8
35°	22.4
37.5°	13.5
40°	7.7
42.5°	4.1
45°	2.4
47.5°	1.8
50°	1.8
52.5°	1.8
55°	1.8
57.5°	1.8
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°	0.6
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)