

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: P1294101

Luminaire Tested: P3A09R55W2N902750DE010 E3CD1MW\_3000K

Issue Date: 1/30/2026

**Test Information**

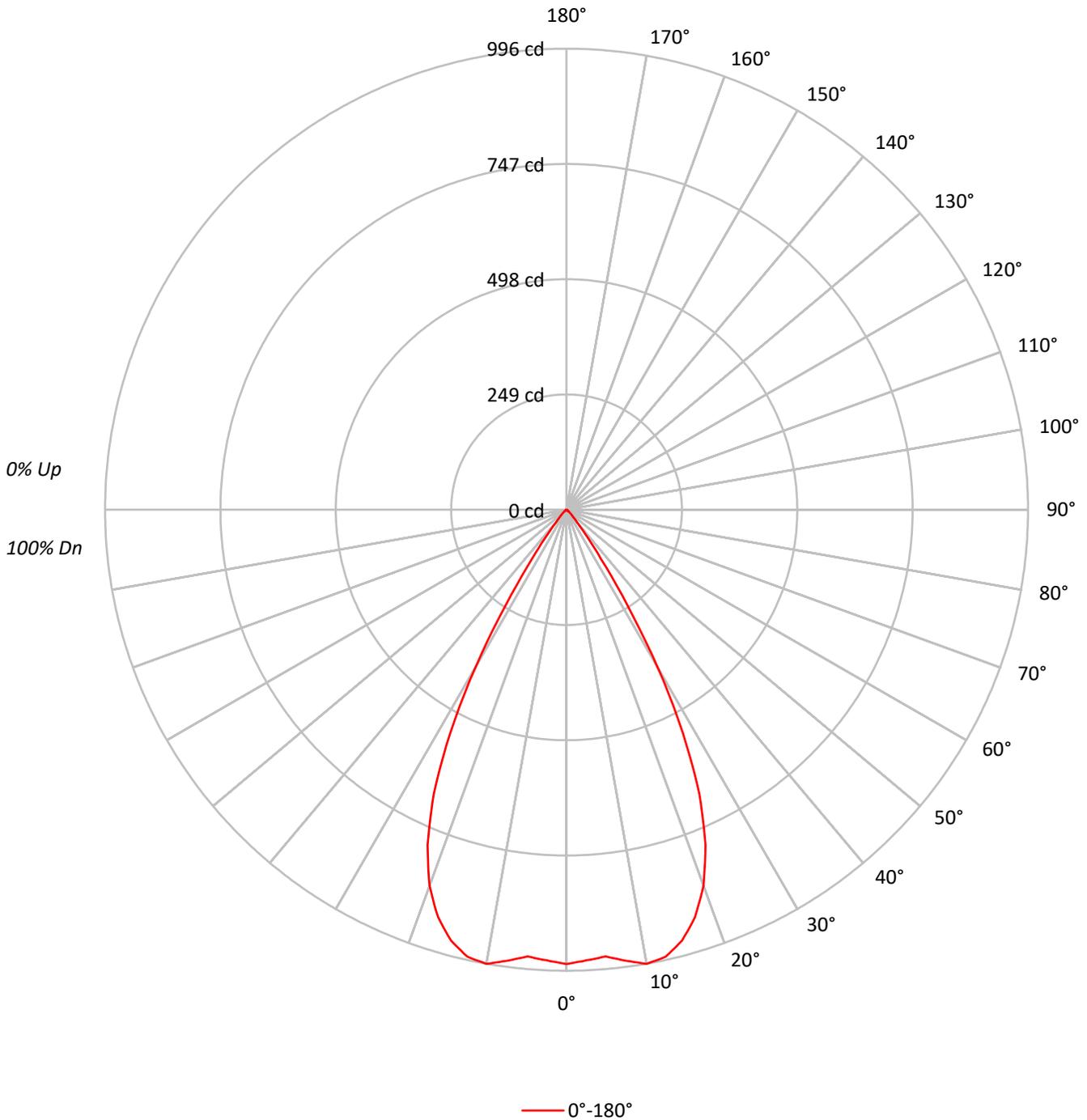
Test Method: LM-79-2019  
Report Number: P1294101  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-36)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A09R55W2N902750DE010 E3CD1MW\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 3000K CCT AND, 90CRI ,  
E3CD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 776.0 lumens  
Efficiency: N/A  
Efficacy: 86.2 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.82  
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	114	111	109	107	112	109	107	105	105	104	102	101	100	99	98	97	96	94	94	94	94
2	109	104	101	98	107	103	99	96	100	97	94	97	94	92	94	92	90	89	89	89	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	86	90	87	85	84	84	84	84
4	99	92	87	84	98	91	87	83	89	85	82	87	84	81	85	83	80	79	79	79	79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	74	74	74	74
6	91	83	77	73	89	82	77	73	80	76	72	79	75	72	78	74	72	70	70	70	70
7	87	78	73	69	85	78	72	69	76	72	68	75	71	68	74	70	68	66	66	66	66
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63	63	63	63
9	79	71	65	61	78	70	65	61	69	64	61	68	64	61	68	64	61	60	60	60	60
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57	57	57	57

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

	0°
0°	215224
5°	213229
10°	221795
15°	218707
20°	201688
25°	164114
30°	99686
35°	34506
40°	9847
45°	4714
50°	1979
55°	879
60°	1009
65°	882
70°	769
75°	1017
80°	758
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4714 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.6	12.1
10°-20°	267.8	34.5
20°-30°	298.5	38.5
30°-40°	97.7	12.6
40°-50°	12.9	1.7
50°-60°	2.7	0.3
60°-70°	1.6	0.2
70°-80°	1.0	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°	659.9	85.0
0°-40°	757.6	97.6
0°-60°	773.2	99.6
0°-90°	776.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	776.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	982	
5°	969	94
15°	963	268
25°	678	299
35°	129	98
45°	15	13
55°	2	3
65°	2	2
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	981.5
2.5°	974.5
5°	968.7
7.5°	982.7
10°	996.1
12.5°	989.1
15°	963.4
17.5°	922.6
20°	864.3
22.5°	783.8
25°	678.3
27.5°	544.1
30°	393.7
32.5°	241.4
35°	128.9
37.5°	65.3
40°	34.4
42.5°	22.2
45°	15.2
47.5°	10.5
50°	5.8
52.5°	3.5
55°	2.3
57.5°	2.3
60°	2.3
62.5°	1.7
65°	1.7
67.5°	1.2
70°	1.2
72.5°	1.2
75°	1.2
77.5°	0.6
80°	0.6
82.5°	0.6
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)