

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: P1301690

Luminaire Tested: P3AS17R55W2N902750DE010 E3CD1MW\_2700K

Issue Date: 1/30/2026

**Test Information**

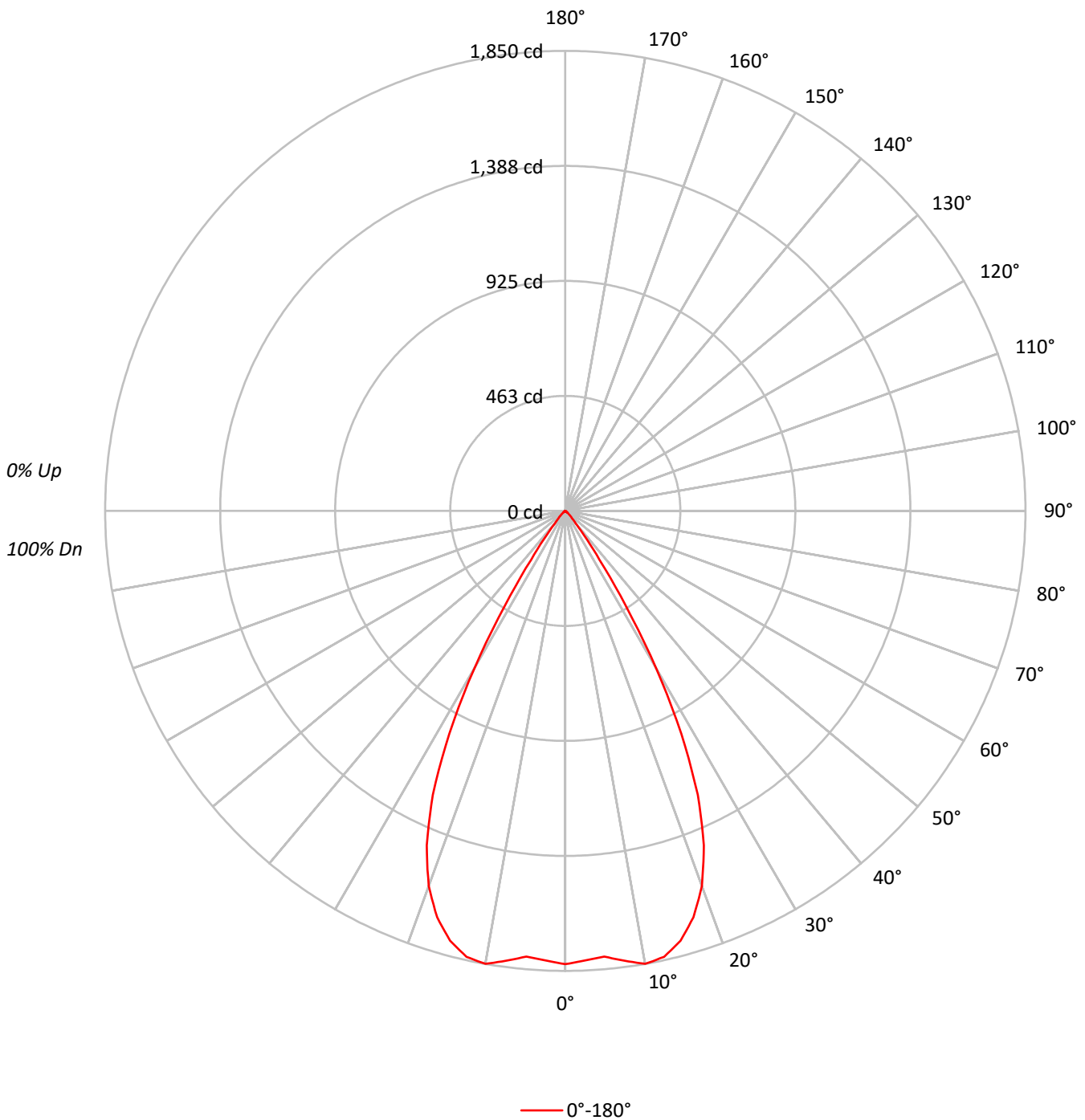
Test Method: LM-79-2019  
Report Number: P1301690  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-36)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS17R55W2N902750DE010 E3CD1MW\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 2700K CCT AND, 90CRI ,  
E3CD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1441.0 lumens  
Efficiency: N/A  
Efficacy: 74.3 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): 19.4  
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	111	109	107	112	109	107	105	105	104	102	101	100	99	98	97	96	94		
2	109	104	101	98	107	103	99	96	100	97	94	97	94	92	94	92	90	89		
3	104	98	94	90	102	97	93	89	94	91	88	92	89	86	90	87	85	84		
4	99	92	87	84	98	91	87	83	89	85	82	87	84	81	85	83	80	79		
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	74		
6	91	83	77	73	89	82	77	73	80	76	72	79	75	72	78	74	72	70		
7	87	78	73	69	85	78	72	69	76	72	68	75	71	68	74	70	68	66		
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63		
9	79	71	65	61	78	70	65	61	69	64	61	68	64	61	68	64	61	60		
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57		

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

	0°
0°	399661
5°	395949
10°	411861
15°	406154
20°	374533
25°	304735
30°	185092
35°	64059
40°	18291
45°	8745
50°	3684
55°	1644
60°	1886
65°	1660
70°	1410
75°	1864
80°	1389
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8745 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	173.9	12.1
10°-20°	497.2	34.5
20°-30°	554.3	38.5
30°-40°	181.3	12.6
40°-50°	23.9	1.7
50°-60°	5.0	0.3
60°-70°	2.9	0.2
70°-80°	1.9	0.1
80°-90°	0.4	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°	1225.5	85.0
0°-40°	1406.8	97.6
0°-60°	1435.8	99.6
0°-90°	1441.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1441.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1823	
5°	1799	174
15°	1789	497
25°	1260	554
35°	239	181
45°	28	24
55°	4	5
65°	3	3
75°	2	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1822.6
2.5°	1809.6
5°	1798.8
7.5°	1824.8
10°	1849.7
12.5°	1836.7
15°	1789.1
17.5°	1713.3
20°	1605.0
22.5°	1455.5
25°	1259.5
27.5°	1010.4
30°	731.0
32.5°	448.3
35°	239.3
37.5°	121.3
40°	63.9
42.5°	41.2
45°	28.2
47.5°	19.5
50°	10.8
52.5°	6.5
55°	4.3
57.5°	4.3
60°	4.3
62.5°	3.2
65°	3.2
67.5°	2.2
70°	2.2
72.5°	2.2
75°	2.2
77.5°	1.1
80°	1.1
82.5°	1.1
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)