

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: P1301842

Luminaire Tested: P3AS17R55W2N902765DE010 E3CD1MW\_3500K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1301842  
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: P3AS17R55W2N902765DE010 E3CD1MW\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 3500K CCT AND, 90CRI ,  
E3CD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1612.9 lumens  
Efficiency: N/A  
Efficacy: 83.1 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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	114	111	109	107	112	109	107	105	105	104	102	101	100	99	98	97	96	94			94
2	109	104	101	98	107	103	99	96	100	97	94	97	94	92	94	92	90	89			89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	86	90	87	85	84			84
4	99	92	87	84	98	91	87	83	89	85	82	87	84	81	86	83	80	79			79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	74			74
6	91	83	77	73	89	82	77	73	80	76	72	79	75	72	78	74	72	70			70
7	87	78	73	69	85	78	72	69	76	72	68	75	71	68	74	70	68	66			66
8	83	74	69	65	82	74	69	65	73	68	65	72	67	64	71	67	64	63			63
9	79	71	65	61	78	70	65	61	69	64	61	68	64	61	68	64	61	60			60
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57			57

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

	0°
0°	447376
5°	443208
10°	461025
15°	454622
20°	419220
25°	341100
30°	207196
35°	71715
40°	20467
45°	9768
50°	4128
55°	1835
60°	2105
65°	1868
70°	1539
75°	2033
80°	1515
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 9768 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	194.7	12.1
10°-20°	556.6	34.5
20°-30°	620.5	38.5
30°-40°	203.0	12.6
40°-50°	26.8	1.7
50°-60°	5.6	0.3
60°-70°	3.3	0.2
70°-80°	2.1	0.1
80°-90°	0.5	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°	1371.7	85.0
0°-40°	1574.7	97.6
0°-60°	1607.1	99.6
0°-90°	1612.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1612.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2040	
5°	2014	195
15°	2003	557
25°	1410	620
35°	268	203
45°	32	27
55°	5	6
65°	4	3
75°	2	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2040.2
2.5°	2025.6
5°	2013.5
7.5°	2042.6
10°	2070.5
12.5°	2055.9
15°	2002.6
17.5°	1917.8
20°	1796.5
22.5°	1629.2
25°	1409.8
27.5°	1131.0
30°	818.3
32.5°	501.9
35°	267.9
37.5°	135.8
40°	71.5
42.5°	46.1
45°	31.5
47.5°	21.8
50°	12.1
52.5°	7.3
55°	4.8
57.5°	4.8
60°	4.8
62.5°	3.6
65°	3.6
67.5°	2.4
70°	2.4
72.5°	2.4
75°	2.4
77.5°	1.2
80°	1.2
82.5°	1.2
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)