

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: P1301847

Luminaire Tested: P3AS17R55W2N902765DE010 E3D1H\_3000K

Issue Date: 1/29/2026

**Test Information**

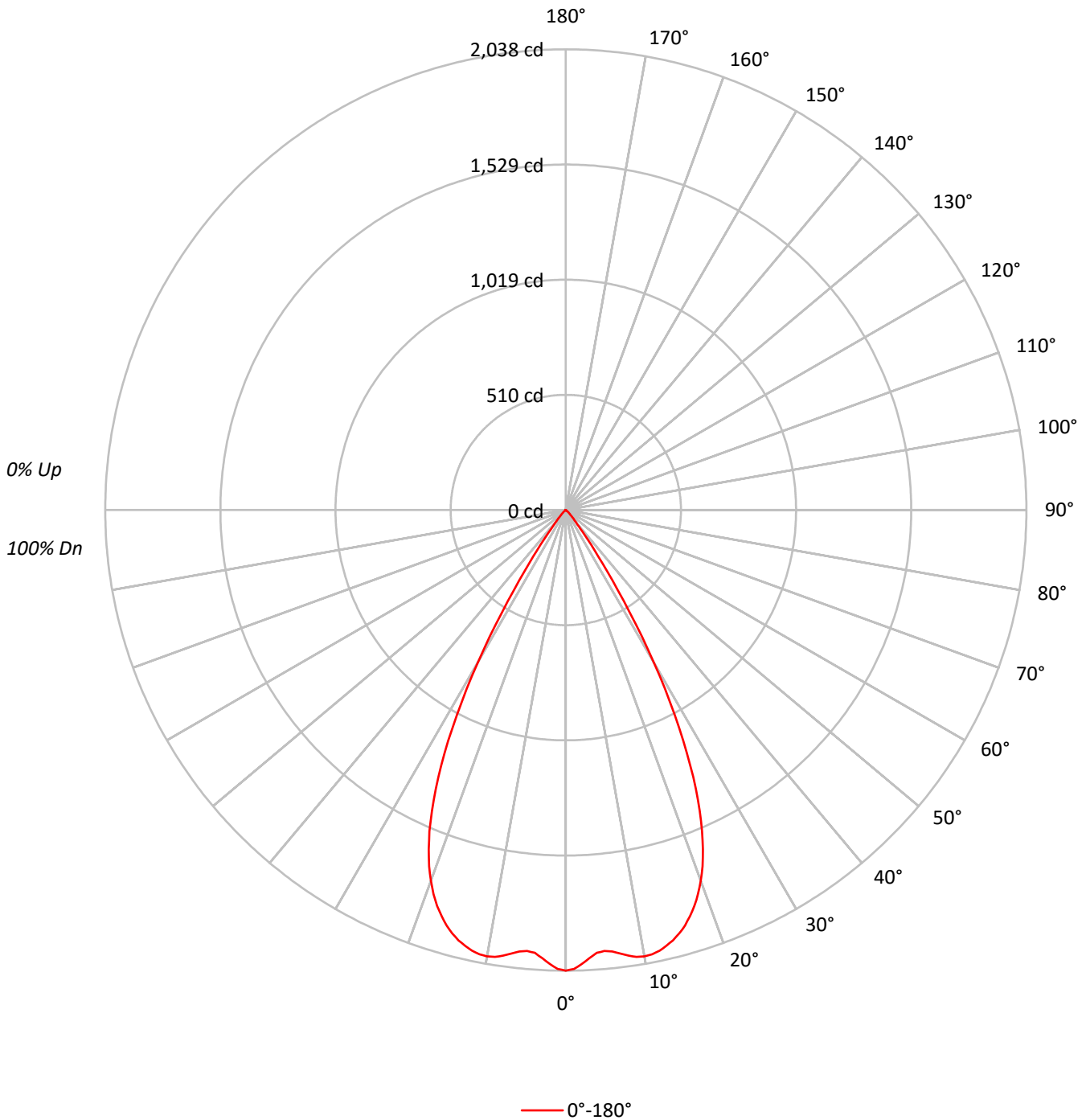
Test Method: LM-79-2019  
Report Number: P1301847  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS17R55W2N902765DE010 E3D1H\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , E3D1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1541.0 lumens  
Efficiency: N/A  
Efficacy: 79.4 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 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	100	100
1	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	95	95	95	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89	89	89	89
3	104	98	94	90	102	97	93	90	95	91	88	92	89	87	90	88	86	84	84	84	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	79	79	79	79
5	95	88	82	79	94	87	82	78	85	81	78	84	80	77	82	79	76	75	75	75	75
6	91	83	78	74	90	82	77	74	81	76	73	80	76	73	78	75	72	71	71	71	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	67	67	67	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	63	63	63	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	60	60	60	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	57	57	57	57

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

	0°
0°	446872
5°	431058
10°	446462
15°	440184
20°	407389
25°	329463
30°	197448
35°	66923
40°	18435
45°	8156
50°	2388
55°	459
60°	263
65°	311
70°	385
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8156 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	189.5	12.3
10°-20°	539.8	35.0
20°-30°	600.1	38.9
30°-40°	186.8	12.1
40°-50°	22.4	1.5
50°-60°	1.7	0.1
60°-70°	0.6	0.0
70°-80°	0.1	0.0
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°	1329.4	86.3
0°-40°	1516.2	98.4
0°-60°	1540.3	100.0
0°-90°	1541.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1541.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2038	
5°	1958	189
15°	1939	540
25°	1362	600
35°	250	187
45°	26	22
55°	1	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2037.9
1°	2030.3
2°	2010.4
3°	1985.8
4°	1963.6
5°	1958.3
6°	1964.1
7°	1976.4
8°	1990.5
9°	2001.6
10°	2005.1
11°	2002.8
12°	1993.4
13°	1978.8
14°	1961.8
15°	1939.0
16°	1912.6
17°	1879.2
18°	1841.8
19°	1796.7
20°	1745.8
21°	1687.8
22°	1619.3
23°	1543.8
24°	1457.1
25°	1361.7
26°	1256.9
27°	1145.7
28°	1026.9
29°	904.5
30°	779.8
31°	654.5
32°	532.2
32.5°	477.7
33°	421.5
34°	326.1
35°	250.0
36°	190.3
37°	141.1
37.5°	120.6
38°	104.8
39°	79.6
40°	64.4
42.5°	41.0
45°	26.3



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**CANDELA DISTRIBUTION (continued):**

	0°
47.5°	15.8
50°	7.0
52.5°	2.3
55°	1.2
57.5°	0.6
60°	0.6
62.5°	0.6
65°	0.6
67.5°	0.6
70°	0.6
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)