

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: P1301361

Luminaire Tested: P3AS17R50W2N902750DE010 E3CD1MB\_2700K

Issue Date: 1/30/2026

**Test Information**

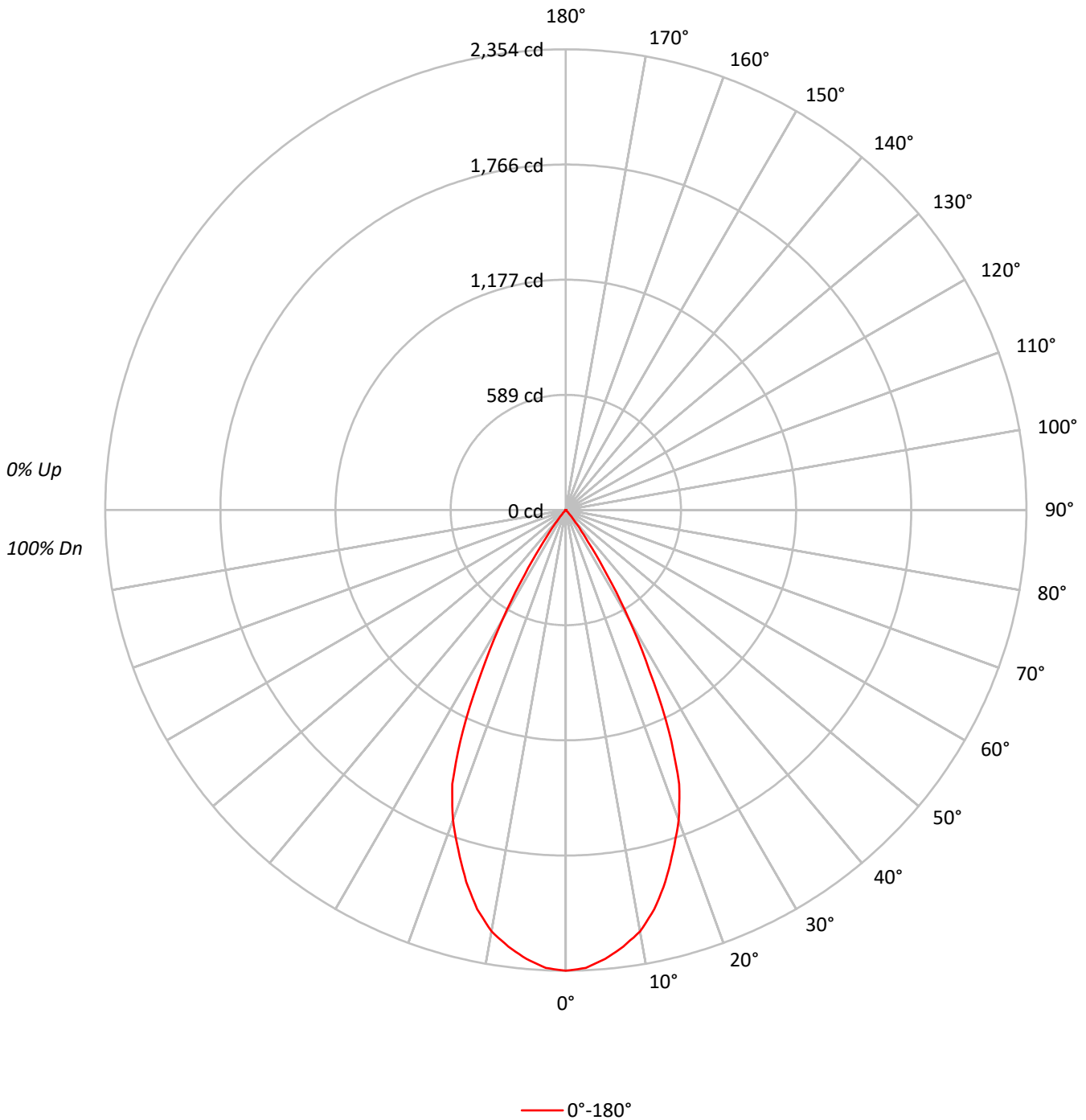
Test Method: LM-79-2019  
Report Number: P1301361  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-32)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS17R50W2N902750DE010 E3CD1MB\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 2700K CCT AND, 90CRI ,  
E3CD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1482.0 lumens  
Efficiency: N/A  
Efficacy: 76.4 lumens/watt  
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.76  
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

TEST NUMBER: P1301361  
CATALOG NUMBER: P3AS17R50W2N902750DE010 E3CD1MB\_2700K

### Luminous Intensity Polar Plot





TEST NUMBER: P1301361

CATALOG NUMBER: P3AS17R50W2N902750DE010 E3CD1MB\_2700K

**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	112	109	107	112	109	107	106	105	104	102	102	101	99	98	97	96	95	95	95	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90	90	90	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85	85	85	85
4	100	94	89	85	99	92	88	85	90	87	84	88	85	83	87	84	82	80	80	80	80
5	96	89	84	80	94	88	83	79	86	82	79	84	81	78	83	80	77	76	76	76	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	72	72	72	72
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69	69	69	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	65	65	65	65
9	81	73	68	64	80	72	67	64	71	67	64	71	66	63	70	66	63	62	62	62	62
10	78	69	64	61	77	69	64	61	68	64	61	68	63	61	67	63	60	59	59	59	59

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

	0°
0°	516143
5°	506910
10°	486720
15°	446314
20°	393551
25°	301638
30°	164000
35°	52762
40°	12395
45°	1675
50°	1467
55°	1644
60°	1403
65°	1660
70°	1410
75°	1864
80°	1389
85°	2768

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 85°  
 Luminance: 2768 cd/sqm



TEST NUMBER: P1301361

CATALOG NUMBER: P3AS17R50W2N902750DE010 E3CD1MB\_2700K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	216.1	14.6
10°-20°	546.5	36.9
20°-30°	547.3	36.9
30°-40°	153.9	10.4
40°-50°	9.3	0.6
50°-60°	3.5	0.2
60°-70°	2.8	0.2
70°-80°	1.9	0.1
80°-90°	0.7	0.1
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°	1309.9	88.4
0°-40°	1463.8	98.8
0°-60°	1476.5	99.6
0°-90°	1482.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1482.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2354	
5°	2303	216
15°	1966	546
25°	1247	547
35°	197	154
45°	5	9
55°	4	3
65°	3	3
75°	2	2
85°	1	1
90°	0	



TEST NUMBER: P1301361  
CATALOG NUMBER: P3AS17R50W2N902750DE010 E3CD1MB\_2700K

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2353.8
2.5°	2341.9
5°	2302.9
7.5°	2249.8
10°	2185.9
12.5°	2089.5
15°	1966.0
17.5°	1824.1
20°	1686.5
22.5°	1515.4
25°	1246.7
27.5°	928.3
30°	647.7
32.5°	391.0
35°	197.1
37.5°	93.2
40°	43.3
42.5°	16.2
45°	5.4
47.5°	4.3
50°	4.3
52.5°	4.3
55°	4.3
57.5°	3.2
60°	3.2
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°	1.1
87.5°	0.0
90°	0.0

(END OF REPORT)