

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: P1249752

Luminaire Tested: P3AS17R509027DE010 E3DLD1MW

Issue Date: 1/30/2026

**Test Information**

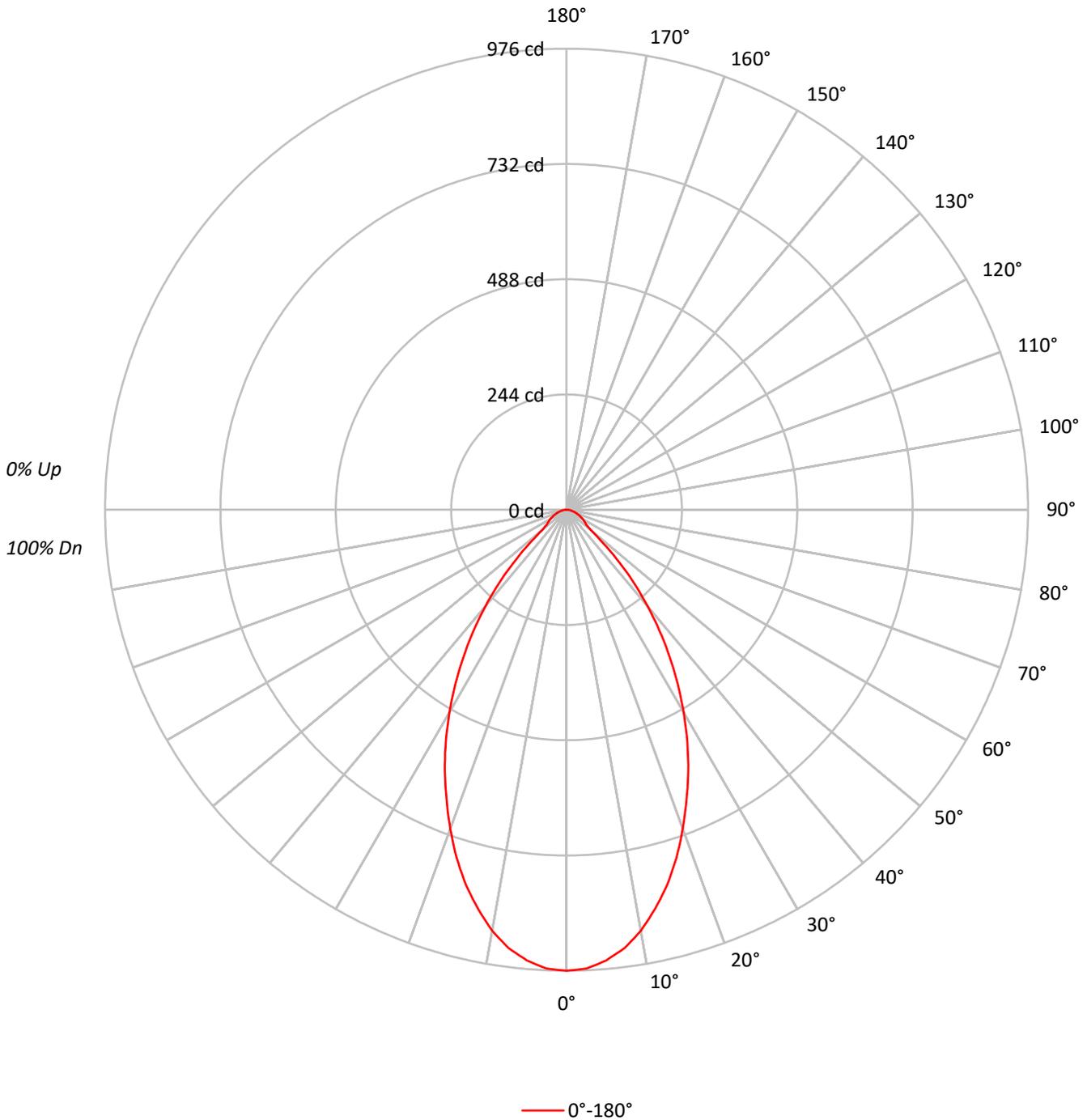
Test Method: LM-79-2019  
Report Number: P1249752  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS17R509027DE010 E3DLD1MW  
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , E3DLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1053.0 lumens  
Efficiency: N/A  
Efficacy: 49.7 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 21.2  
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				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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91				91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	83				83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75				75
4	93	85	78	73	91	83	77	73	81	76	72	79	75	71	77	73	70	69				69
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	64	63				63
6	83	73	66	61	81	72	65	61	70	65	60	69	64	60	67	63	59	58				58
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	53				53
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50				50
9	70	59	53	48	69	59	52	48	58	52	48	57	52	48	56	51	48	46				46
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	45	43				43

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

	0°
0°	213996
5°	210829
10°	201510
15°	186607
20°	167711
25°	147420
30°	125361
35°	101670
40°	76372
45°	49183
50°	23368
55°	18389
60°	17411
65°	16189
70°	14618
75°	13217
80°	12123
85°	12077

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 49183 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.8	8.5
10°-20°	229.2	21.8
20°-30°	278.5	26.4
30°-40°	236.2	22.4
40°-50°	122.7	11.6
50°-60°	44.3	4.2
60°-70°	30.6	2.9
70°-80°	16.6	1.6
80°-90°	5.2	0.5
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°	597.4	56.7
0°-40°	833.6	79.2
0°-60°	1000.5	95.0
0°-90°	1053.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1053.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	976	
5°	958	90
15°	822	229
25°	609	278
35°	380	236
45°	159	123
55°	48	44
65°	31	31
75°	16	17
85°	5	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	975.9
2.5°	972.3
5°	957.8
7.5°	936.2
10°	905.0
12.5°	865.3
15°	822.0
17.5°	772.8
20°	718.7
22.5°	663.4
25°	609.3
27.5°	552.8
30°	495.1
32.5°	437.5
35°	379.8
37.5°	323.3
40°	266.8
42.5°	212.7
45°	158.6
47.5°	105.8
50°	68.5
52.5°	52.9
55°	48.1
57.5°	43.3
60°	39.7
62.5°	34.9
65°	31.2
67.5°	26.4
70°	22.8
72.5°	19.2
75°	15.6
77.5°	12.0
80°	9.6
82.5°	7.2
85°	4.8
87.5°	2.4
90°	0.0

(END OF REPORT)