

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: P1272417

Luminaire Tested: P3AS17R509827DE010 E3DLD1WH

Issue Date: 1/30/2026

**Test Information**

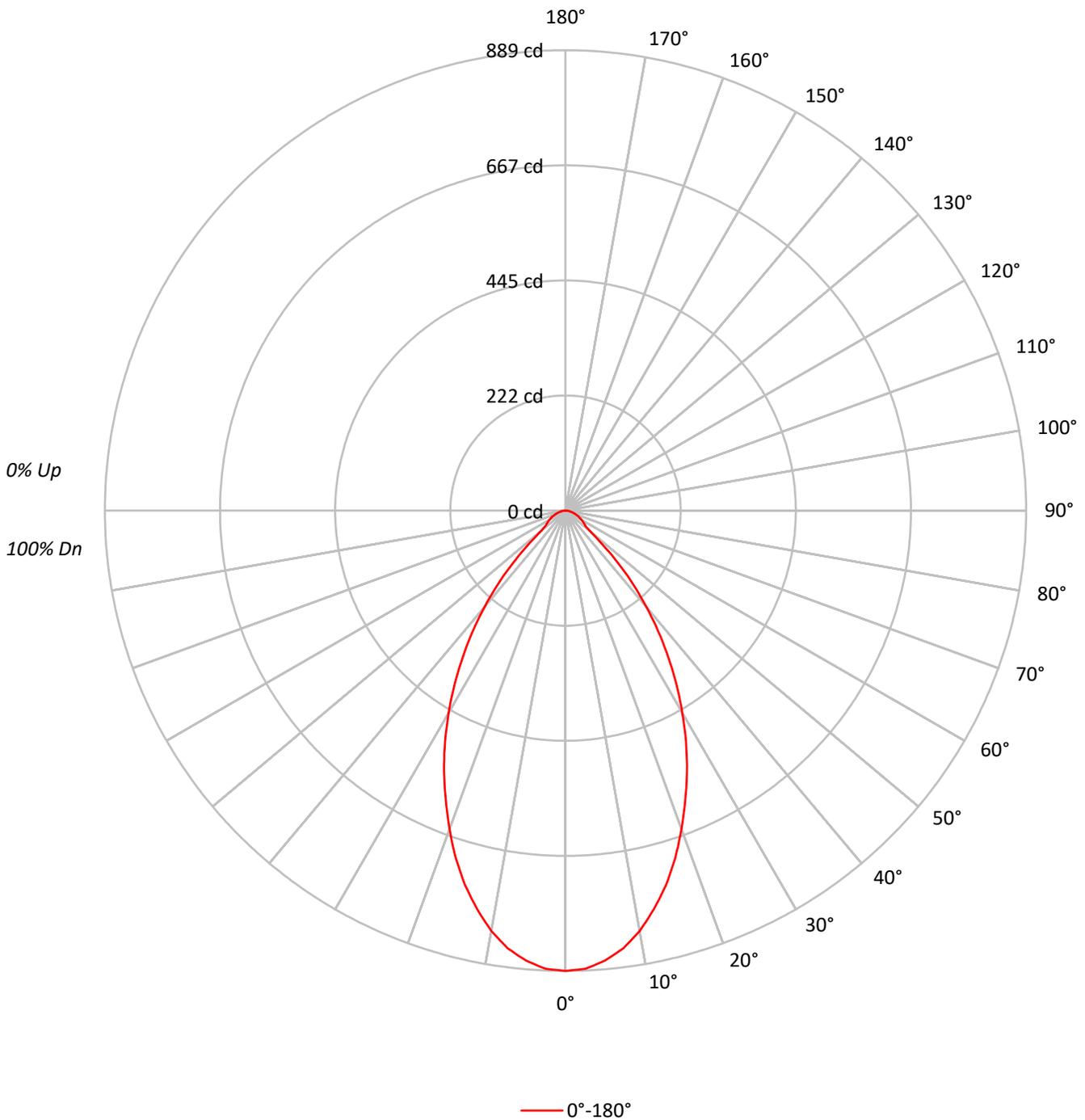
Test Method: LM-79-2019  
Report Number: P1272417  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS17R509827DE010 E3DLD1WH  
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 98CRI , E3DLD1WH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 959.0 lumens  
Efficiency: N/A  
Efficacy: 47.0 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): 20.4  
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: P1272417  
CATALOG NUMBER: P3AS17R509827DE010 E3DLD1WH

### Luminous Intensity Polar Plot





TEST NUMBER: P1272417  
 CATALOG NUMBER: P3AS17R509827DE010 E3DLD1WH

**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°	194897
5°	192009
10°	183519
15°	169967
20°	152730
25°	134258
30°	114169
35°	92595
40°	69559
45°	44811
50°	21287
55°	16745
60°	15832
65°	14788
70°	13336
75°	12031
80°	11113
85°	11070

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 44811 cd/sqm



TEST NUMBER: P1272417  
 CATALOG NUMBER: P3AS17R509827DE010 E3DLD1WH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.8	8.5
10°-20°	208.7	21.8
20°-30°	253.6	26.4
30°-40°	215.1	22.4
40°-50°	111.7	11.6
50°-60°	40.3	4.2
60°-70°	27.9	2.9
70°-80°	15.1	1.6
80°-90°	4.8	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°	544.1	56.7
0°-40°	759.2	79.2
0°-60°	911.2	95.0
0°-90°	959.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	959.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	889	
5°	872	82
15°	749	209
25°	555	254
35°	346	215
45°	144	112
55°	44	40
65°	28	28
75°	14	15
85°	4	5
90°	0	



TEST NUMBER: P1272417  
CATALOG NUMBER: P3AS17R509827DE010 E3DLD1WH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	888.8
2.5°	885.5
5°	872.3
7.5°	852.6
10°	824.2
12.5°	788.1
15°	748.7
17.5°	703.8
20°	654.5
22.5°	604.2
25°	554.9
27.5°	503.5
30°	450.9
32.5°	398.4
35°	345.9
37.5°	294.4
40°	243.0
42.5°	193.7
45°	144.5
47.5°	96.3
50°	62.4
52.5°	48.2
55°	43.8
57.5°	39.4
60°	36.1
62.5°	31.7
65°	28.5
67.5°	24.1
70°	20.8
72.5°	17.5
75°	14.2
77.5°	10.9
80°	8.8
82.5°	6.6
85°	4.4
87.5°	2.2
90°	0.0

(END OF REPORT)