

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: P1272070

Luminaire Tested: P3AS13R509827DE010 E3DLD1LI

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272070
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: P3AS13R509827DE010 E3DLD1LI
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 98CRI , E3DLD1LI TRIM
Light Source: -
Ballast/Driver: -

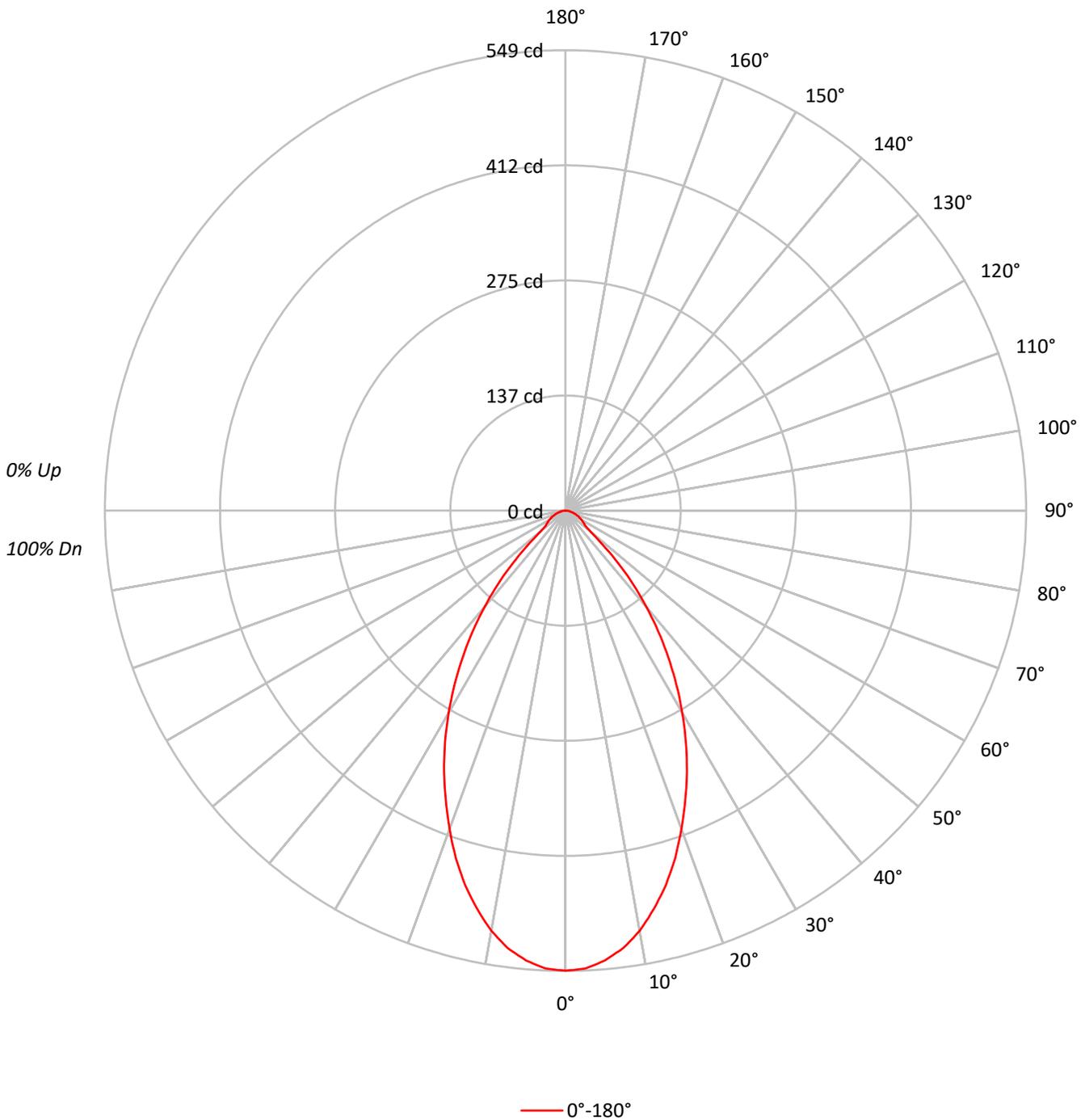
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 592.1 lumens
Efficiency: N/A
Efficacy: 40.8 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): 14.5
Input Voltage (V): NR
Input Current (A_{in}): 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			
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	83			
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75			
4	93	85	78	73	91	83	77	73	81	76	72	79	75	71	77	73	70	69			
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	64	63			
6	83	73	66	61	81	72	65	61	70	65	60	69	64	60	67	63	59	58			
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	53			
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50			
9	70	59	53	48	69	59	52	48	58	52	48	57	52	48	56	51	48	46			
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	45	43			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	120297
5°	118534
10°	113291
15°	104927
20°	94275
25°	82892
30°	70492
35°	57152
40°	42938
45°	27662
50°	13134
55°	10322
60°	9780
65°	9132
70°	8207
75°	7456
80°	6819
85°	6793

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 27662 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.5	8.5
10°-20°	128.9	21.8
20°-30°	156.6	26.4
30°-40°	132.8	22.4
40°-50°	69.0	11.7
50°-60°	24.9	4.2
60°-70°	17.2	2.9
70°-80°	9.4	1.6
80°-90°	3.0	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°	335.9	56.7
0°-40°	468.7	79.2
0°-60°	562.5	95.0
0°-90°	592.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	592.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	549	
5°	538	50
15°	462	129
25°	343	157
35°	214	133
45°	89	69
55°	27	25
65°	18	17
75°	9	9
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	548.6
2.5°	546.6
5°	538.5
7.5°	526.3
10°	508.8
12.5°	486.5
15°	462.2
17.5°	434.5
20°	404.0
22.5°	373.0
25°	342.6
27.5°	310.8
30°	278.4
32.5°	245.9
35°	213.5
37.5°	181.8
40°	150.0
42.5°	119.6
45°	89.2
47.5°	59.5
50°	38.5
52.5°	29.7
55°	27.0
57.5°	24.3
60°	22.3
62.5°	19.6
65°	17.6
67.5°	14.9
70°	12.8
72.5°	10.8
75°	8.8
77.5°	6.8
80°	5.4
82.5°	4.1
85°	2.7
87.5°	1.4
90°	0.0

(END OF REPORT)