

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: P1271957

Luminaire Tested: P3AS13R309827DE010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1271957
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R309827DE010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

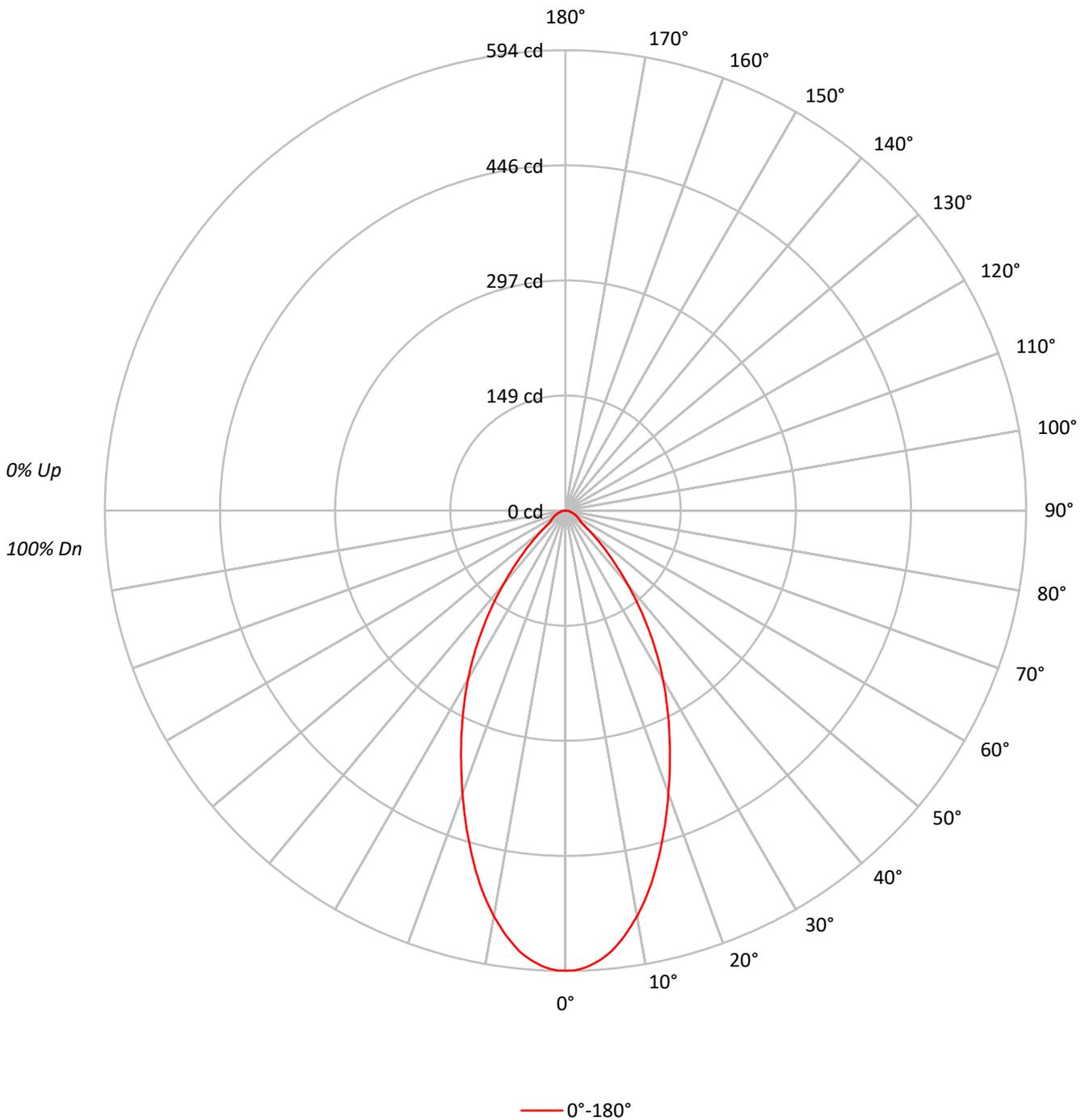
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 551.0 lumens
Efficiency: N/A
Efficacy: 38.0 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.85
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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			
1	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91			
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83			
3	100	92	87	82	98	91	86	82	88	84	80	86	82	79	84	80	78	76			
4	94	85	79	74	92	84	79	74	82	77	73	80	76	72	78	74	71	70			
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64			
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59			
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55			
8	75	65	58	54	74	64	58	53	63	57	53	62	57	53	61	56	53	51			
9	71	61	54	50	70	60	54	50	59	54	50	58	53	50	57	53	49	48			
10	68	57	51	47	67	57	51	47	56	50	47	55	50	46	54	50	46	45			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	130165
5°	127250
10°	118323
15°	105290
20°	90565
25°	76722
30°	63681
35°	49951
40°	35810
45°	23475
50°	13373
55°	8793
60°	8289
65°	7731
70°	6924
75°	6270
80°	5935
85°	5032

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 23475 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.7	9.7
10°-20°	128.9	23.4
20°-30°	145.3	26.4
30°-40°	116.0	21.1
40°-50°	59.6	10.8
50°-60°	22.4	4.1
60°-70°	14.7	2.7
70°-80°	7.9	1.4
80°-90°	2.3	0.4
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°	327.9	59.5
0°-40°	444.0	80.6
0°-60°	526.0	95.5
0°-90°	551.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	551.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	594	
5°	578	54
15°	464	129
25°	317	145
35°	187	116
45°	76	60
55°	23	22
65°	15	15
75°	7	8
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	593.6
1°	593.6
2°	591.6
3°	588.2
4°	583.5
5°	578.1
6°	571.3
7°	562.5
8°	553.1
9°	542.3
10°	531.4
11°	519.3
12°	506.4
13°	492.9
14°	478.7
15°	463.8
17.5°	426.0
20°	388.1
22.5°	351.6
25°	317.1
27.5°	283.3
30°	251.5
32.5°	219.1
35°	186.6
37.5°	154.8
40°	125.1
42.5°	98.7
45°	75.7
47.5°	56.1
50°	39.2
52.5°	27.7
55°	23.0
57.5°	21.0
60°	18.9
62.5°	16.9
65°	14.9
67.5°	12.8
70°	10.8
72.5°	8.8
75°	7.4
77.5°	6.1
80°	4.7
82.5°	3.4
85°	2.0
87.5°	0.7



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)