

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: P1271944

Luminaire Tested: P3AS13R309827DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1271944
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R309827DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

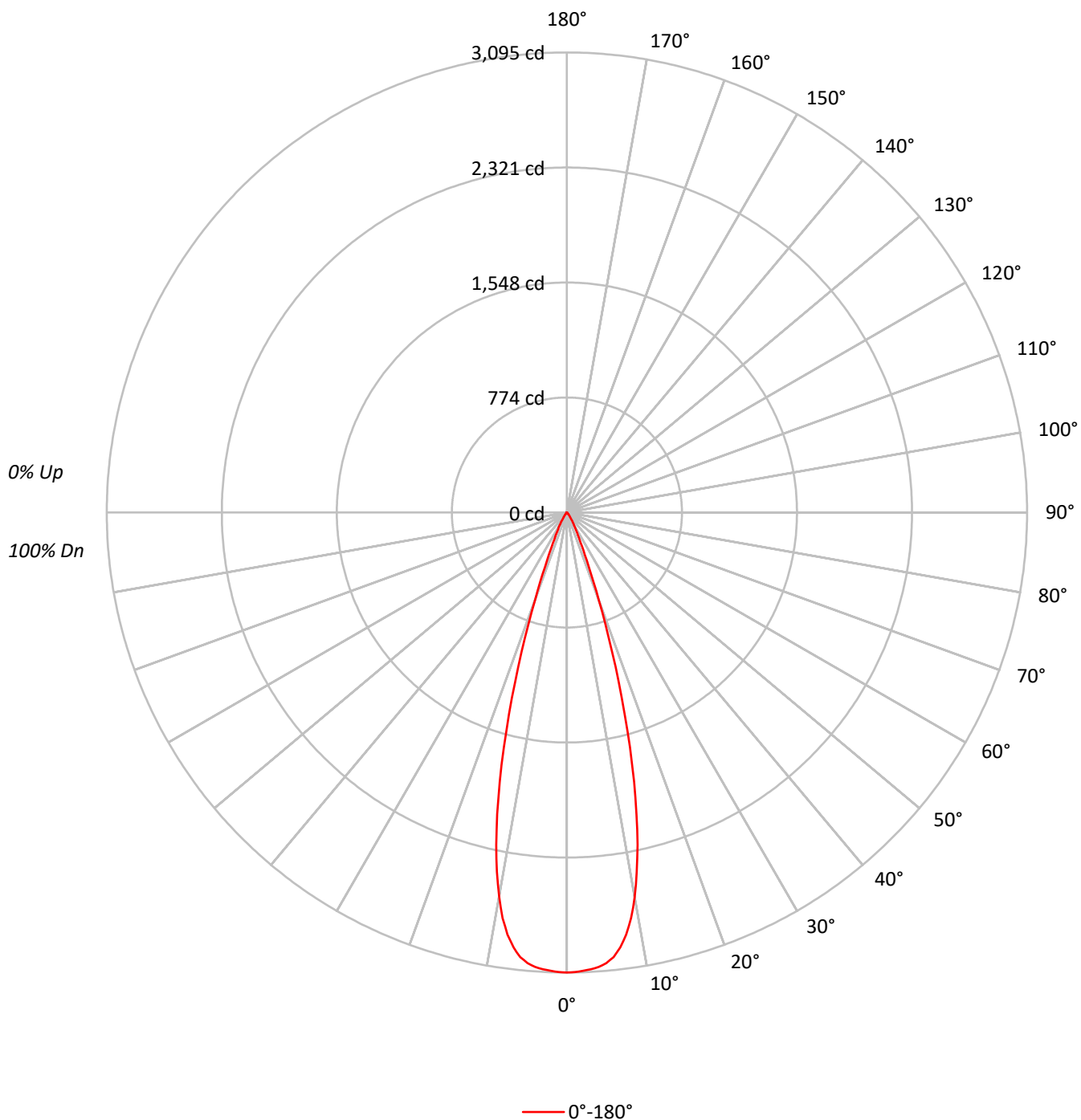
Lumens per Lamp: N/A
Luminaire Lumens: 853.0 lumens
Efficiency: N/A
Efficacy: 58.8 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.47
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	94	93	92
3	108	103	100	97	106	102	99	96	99	97	95	97	95	93	95	93	92	90	89	88
4	105	99	95	92	103	98	95	92	96	93	91	94	92	90	93	91	89	88	87	86
5	101	96	92	89	100	95	91	88	93	90	87	92	89	87	90	88	86	85	84	83
6	99	92	88	85	97	92	88	85	90	87	85	89	86	84	88	85	83	82	81	80
7	96	89	85	82	95	89	85	82	88	84	82	87	84	81	86	83	81	80	79	78
8	93	87	83	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78	77	76
9	91	84	80	77	90	84	80	77	83	79	77	82	79	77	82	79	77	76	75	74
10	88	82	78	75	88	81	78	75	81	77	75	80	77	75	80	77	75	74	73	72

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	678674
5°	669820
10°	584826
15°	371716
20°	147269
25°	49188
30°	22890
35°	10360
40°	3979
45°	1954
50°	580
55°	268
60°	132
65°	156
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1954 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.2	32.6
10°-20°	431.4	50.6
20°-30°	111.2	13.0
30°-40°	26.1	3.1
40°-50°	5.1	0.6
50°-60°	0.6	0.1
60°-70°	0.3	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	820.9	96.2
0°-40°	847.0	99.3
0°-60°	852.7	100.0
0°-90°	853.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	853.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3095	
5°	3043	278
15°	1637	431
25°	203	111
35°	39	26
45°	6	5
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3095.0
1°	3092.7
2°	3085.4
3°	3077.1
4°	3064.9
5°	3043.0
6°	3007.6
7°	2948.6
8°	2868.2
9°	2763.2
10°	2626.5
11°	2463.9
12°	2286.4
13°	2082.1
14°	1868.2
15°	1637.4
16°	1411.2
17°	1193.4
18°	984.4
19°	792.7
20°	631.1
21°	496.7
22°	390.7
23°	309.3
24°	247.7
25°	203.3
26°	169.5
27°	144.0
28°	124.5
29°	106.6
30°	90.4
32.5°	57.0
35°	38.7
37.5°	24.2
40°	13.9
42.5°	9.3
45°	6.3
47.5°	3.6
50°	1.7
52.5°	0.7
55°	0.7
57.5°	0.3
60°	0.3
62.5°	0.3
65°	0.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.3
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)