

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: P1257513

Luminaire Tested: P3AS13R559040DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1257513
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R559040DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

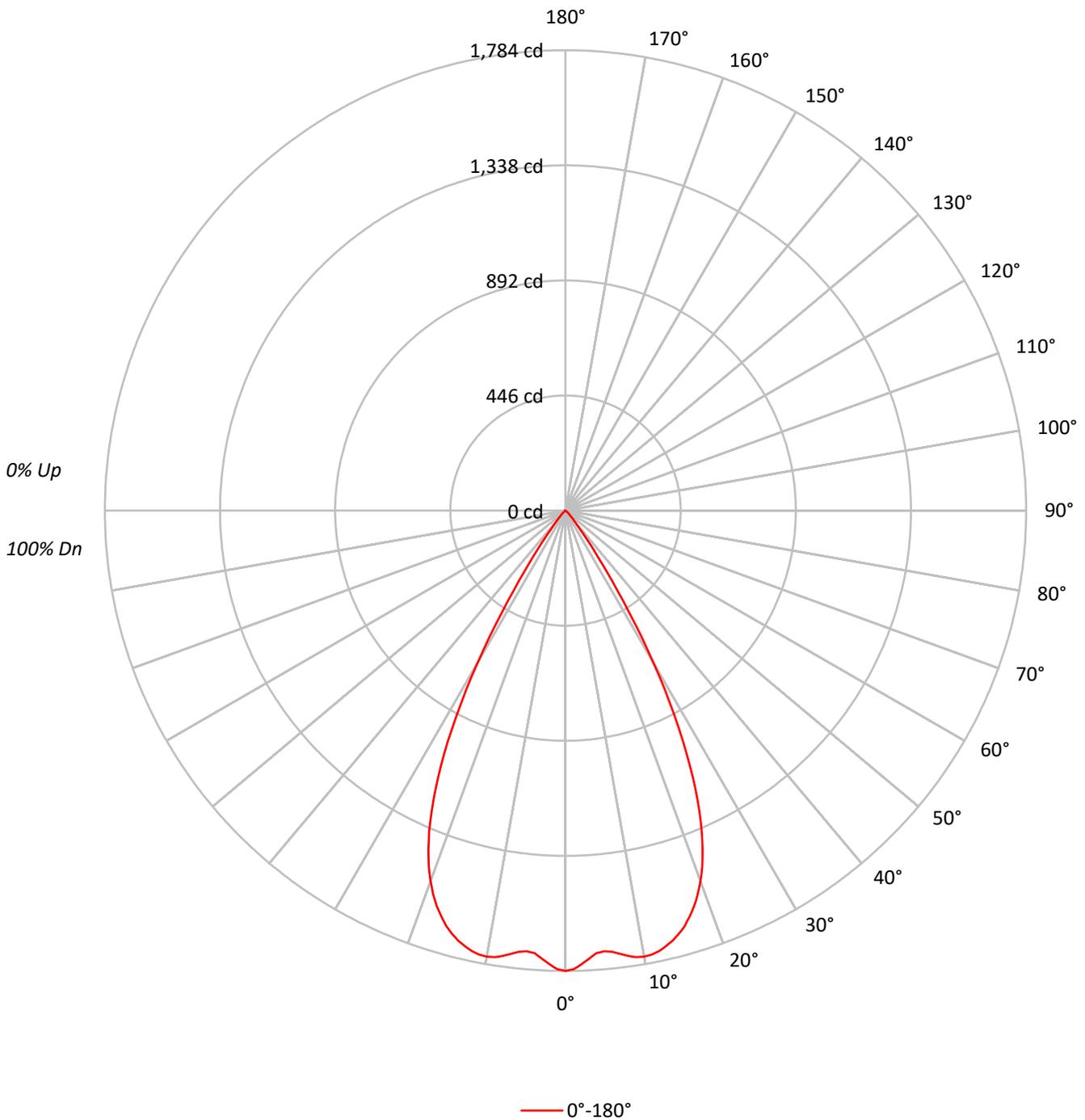
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1349.0 lumens
Efficiency: N/A
Efficacy: 92.4 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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		0
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102		100
1	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96		95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91		89
3	104	98	94	90	102	97	93	90	95	91	88	92	89	87	90	88	86		84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81		79
5	95	88	83	79	94	87	82	78	85	81	78	84	80	77	82	79	76		75
6	91	83	78	74	90	82	77	74	81	76	73	80	76	73	78	75	72		71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68		67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65		63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61		60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58		57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	391197
5°	377349
10°	390841
15°	385337
20°	356634
25°	288428
30°	172837
35°	58571
40°	16145
45°	7164
50°	2081
55°	382
60°	219
65°	259
70°	321
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7164 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.9	12.3
10°-20°	472.6	35.0
20°-30°	525.3	38.9
30°-40°	163.5	12.1
40°-50°	19.6	1.5
50°-60°	1.5	0.1
60°-70°	0.5	0.0
70°-80°	0.1	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°	1163.7	86.3
0°-40°	1327.3	98.4
0°-60°	1348.4	100.0
0°-90°	1349.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1349.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1784	
5°	1714	166
15°	1697	473
25°	1192	525
35°	219	164
45°	23	20
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1784.0
1°	1777.3
2°	1759.9
3°	1738.4
4°	1718.9
5°	1714.3
6°	1719.4
7°	1730.2
8°	1742.5
9°	1752.2
10°	1755.3
11°	1753.2
12°	1745.0
13°	1732.2
14°	1717.4
15°	1697.4
16°	1674.3
17°	1645.1
18°	1612.3
19°	1572.8
20°	1528.3
21°	1477.5
22°	1417.6
23°	1351.4
24°	1275.6
25°	1192.1
26°	1100.3
27°	1003.0
28°	898.9
29°	791.8
30°	682.6
31°	573.0
32°	465.9
32.5°	418.2
33°	369.0
34°	285.5
35°	218.8
36°	166.6
37°	123.5
37.5°	105.6
38°	91.7
39°	69.7
40°	56.4
42.5°	35.9
45°	23.1



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	13.8
50°	6.1
52.5°	2.0
55°	1.0
57.5°	0.5
60°	0.5
62.5°	0.5
65°	0.5
67.5°	0.5
70°	0.5
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)