

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: P1267581

Luminaire Tested: P3A13R559735DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1267581
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: P3A13R559735DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 97CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

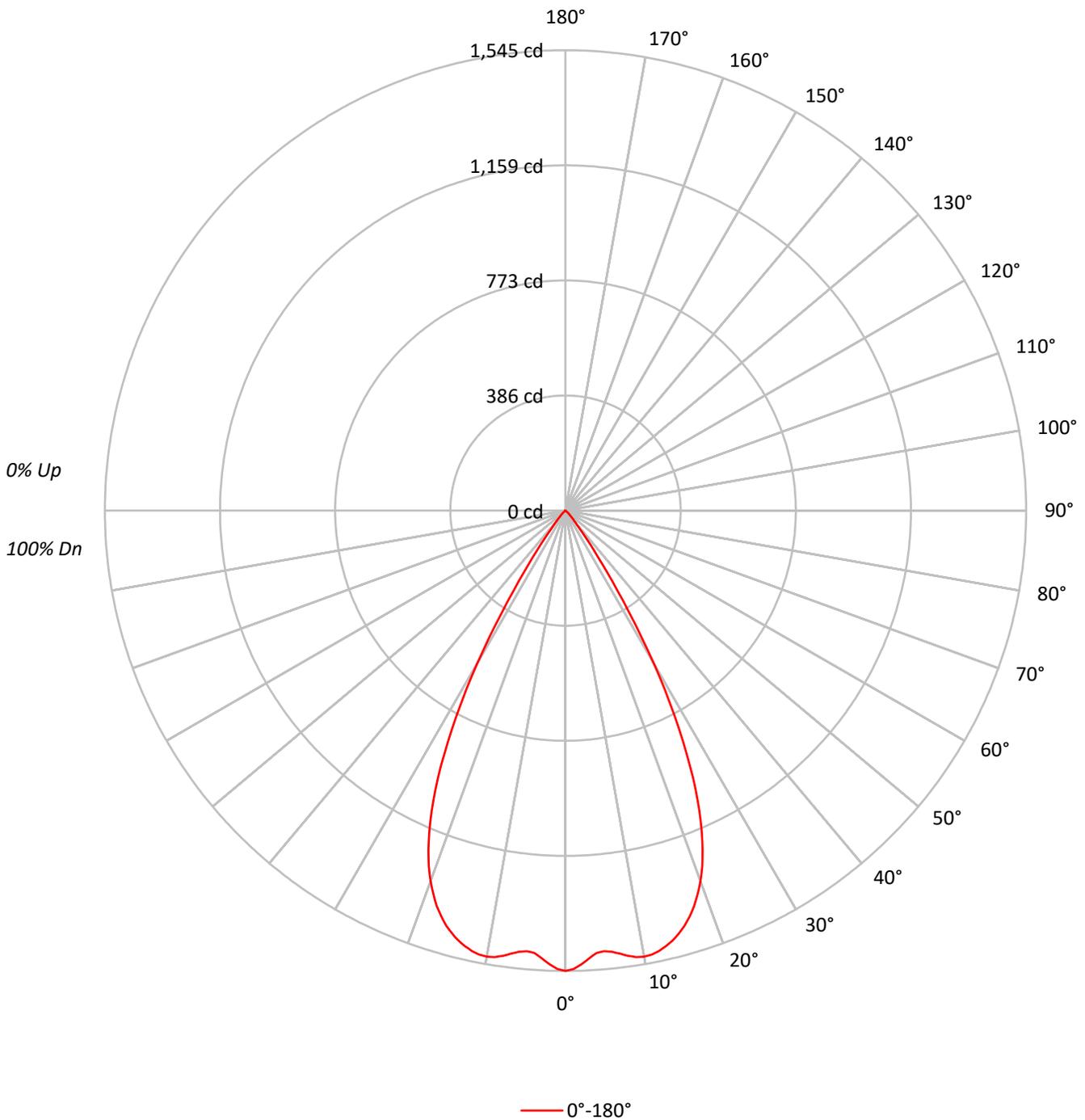
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1168.0 lumens
Efficiency: N/A
Efficacy: 80.0 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				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	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	95				95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89				89
3	104	98	94	90	102	97	93	90	95	91	88	92	89	87	90	88	86	84				84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	79				79
5	95	88	83	79	94	87	82	78	85	81	78	84	80	77	82	79	76	75				75
6	91	83	78	74	90	82	77	74	81	76	73	80	76	73	78	75	72	71				71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	67				67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	63				63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	60				60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	57				57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	338701
5°	326722
10°	338404
15°	333623
20°	308774
25°	249716
30°	149643
35°	50728
40°	13969
45°	6202
50°	1808
55°	344
60°	175
65°	208
70°	256
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6202 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.6	12.3
10°-20°	409.2	35.0
20°-30°	454.8	38.9
30°-40°	141.6	12.1
40°-50°	17.0	1.5
50°-60°	1.3	0.1
60°-70°	0.4	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°	1007.6	86.3
0°-40°	1149.2	98.4
0°-60°	1167.5	100.0
0°-90°	1168.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1168.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1545	
5°	1484	144
15°	1470	409
25°	1032	455
35°	190	142
45°	20	17
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1544.6
1°	1538.9
2°	1523.8
3°	1505.1
4°	1488.3
5°	1484.3
6°	1488.7
7°	1498.0
8°	1508.7
9°	1517.1
10°	1519.8
11°	1518.0
12°	1510.9
13°	1499.8
14°	1486.9
15°	1469.6
16°	1449.7
17°	1424.4
18°	1396.0
19°	1361.8
20°	1323.2
21°	1279.3
22°	1227.4
23°	1170.1
24°	1104.4
25°	1032.1
26°	952.7
27°	868.4
28°	778.3
29°	685.6
30°	591.0
31°	496.1
32°	403.4
32.5°	362.1
33°	319.5
34°	247.2
35°	189.5
36°	144.2
37°	106.9
37.5°	91.4
38°	79.4
39°	60.3
40°	48.8
42.5°	31.1
45°	20.0



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	12.0
50°	5.3
52.5°	1.8
55°	0.9
57.5°	0.4
60°	0.4
62.5°	0.4
65°	0.4
67.5°	0.4
70°	0.4
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)