

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: P1267923

Luminaire Tested: P3A17R559735DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1267923
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: P3A17R559735DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 97CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

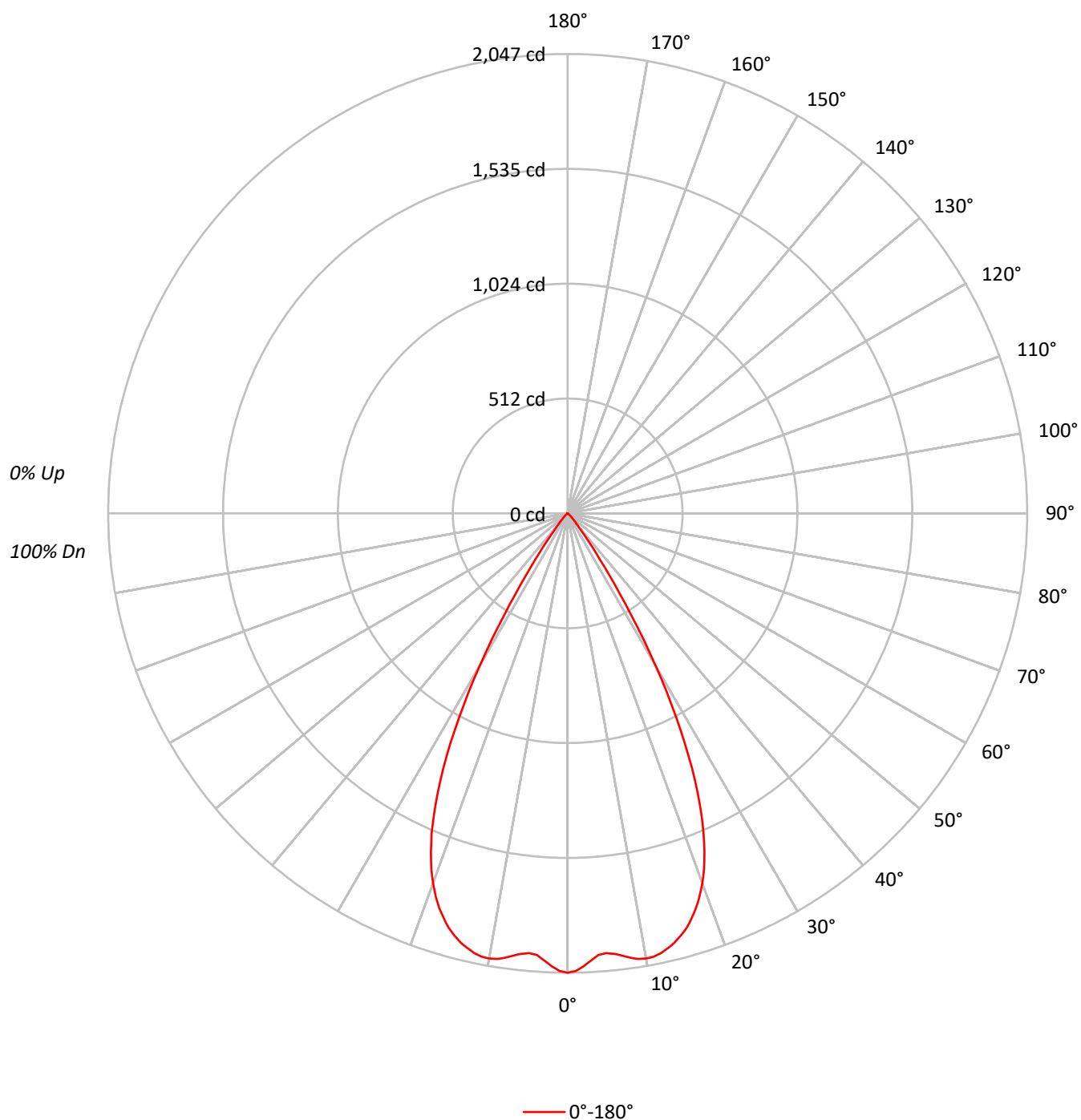
Lumens per Lamp: N/A
Luminaire Lumens: 1548.1 lumens
Efficiency: N/A
Efficacy: 73.0 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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

TEST NUMBER: P1267923

CATALOG NUMBER: P3A17R559735DE010 E3D1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1267923

CATALOG NUMBER: P3A17R559735DE010 E3D1LI

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	448911
5°	433017
10°	448489
15°	442182
20°	409232
25°	330963
30°	198334
35°	67218
40°	18520
45°	8218
50°	2422
55°	459
60°	263
65°	311
70°	385
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8218 cd/sqm

TEST NUMBER: P1267923

CATALOG NUMBER: P3A17R559735DE010 E3D1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.3	12.3
10°-20°	542.3	35.0
20°-30°	602.8	38.9
30°-40°	187.7	12.1
40°-50°	22.6	1.5
50°-60°	1.8	0.1
60°-70°	0.6	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°	1335.4	86.3
0°-40°	1523.1	98.4
0°-60°	1547.4	100.0
0°-90°	1548.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1548.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2047	
5°	1967	190
15°	1948	542
25°	1368	603
35°	251	188
45°	26	23
55°	1	2
65°	1	1
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1267923

CATALOG NUMBER: P3A17R559735DE010 E3D1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	2047.2
1°	2039.5
2°	2019.5
3°	1994.8
4°	1972.5
5°	1967.2
6°	1973.1
7°	1985.4
8°	1999.5
9°	2010.7
10°	2014.2
11°	2011.9
12°	2002.5
13°	1987.8
14°	1970.7
15°	1947.8
16°	1921.3
17°	1887.8
18°	1850.1
19°	1804.9
20°	1753.7
21°	1695.5
22°	1626.7
23°	1550.8
24°	1463.8
25°	1367.9
26°	1262.6
27°	1150.9
28°	1031.5
29°	908.6
30°	783.3
31°	657.5
32°	534.6
32.5°	479.9
33°	423.4
34°	327.6
35°	251.1
36°	191.1
37°	141.7
37.5°	121.1
38°	105.3
39°	80.0
40°	64.7
42.5°	41.2
45°	26.5



TEST NUMBER: P1267923
CATALOG NUMBER: P3A17R559735DE010 E3D1LI

CANDELA DISTRIBUTION (continued):

	0°
47.5°	15.9
50°	7.1
52.5°	2.4
55°	1.2
57.5°	0.6
60°	0.6
62.5°	0.6
65°	0.6
67.5°	0.6
70°	0.6
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)