

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: P1276571

Luminaire Tested: P3AS17R559835DE010 E3D1H

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1276571
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: P3AS17R559835DE010 E3D1H
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 98CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

Summary

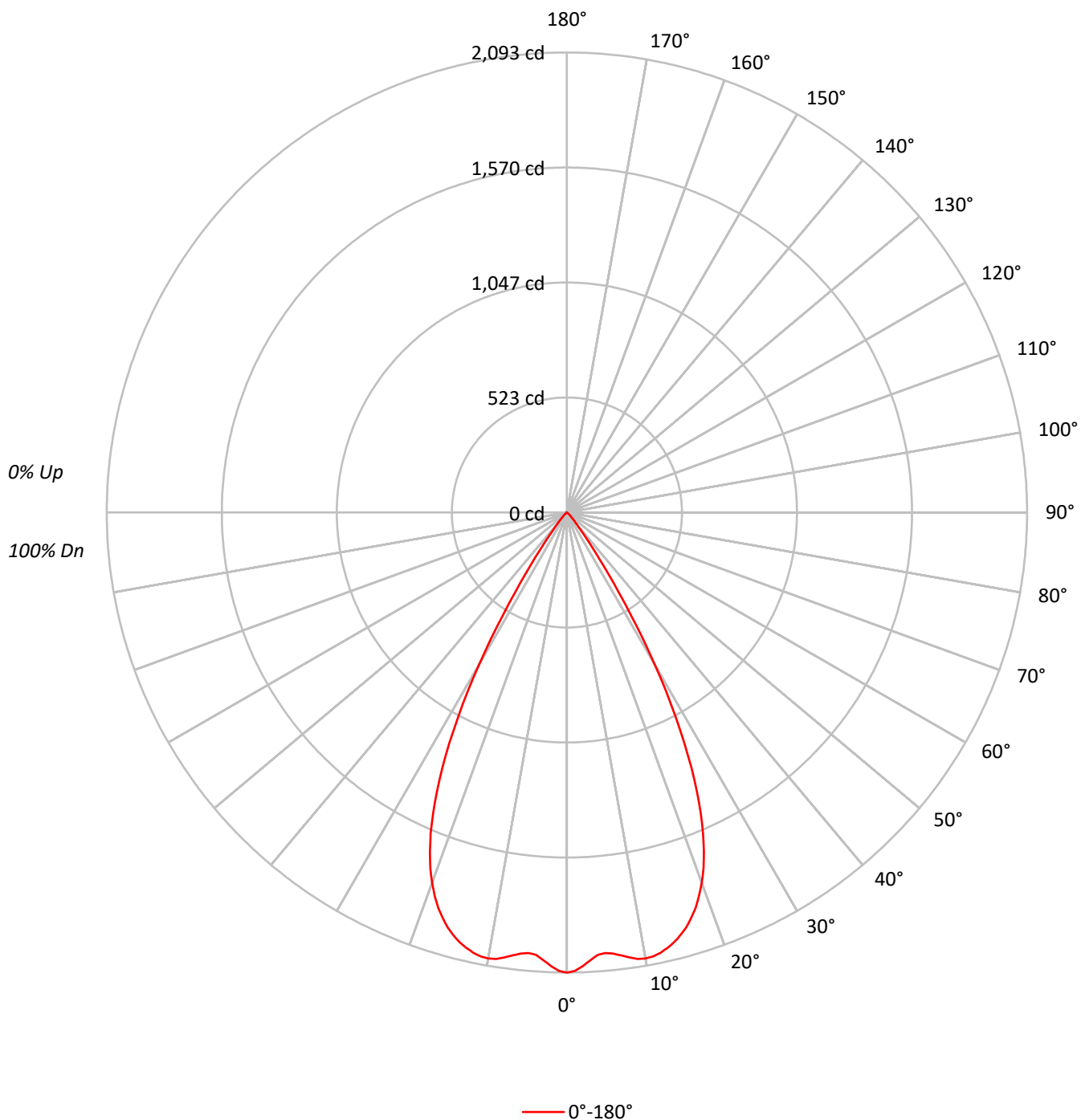
Lumens per Lamp: N/A
Luminaire Lumens: 1583.0 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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: P1276571

CATALOG NUMBER: P3AS17R559835DE010 E3D1H

Luminous Intensity Polar Plot



TEST NUMBER: P1276571

CATALOG NUMBER: P3AS17R559835DE010 E3D1H

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	83	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	66	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°	459042
5°	442812
10°	458642
15°	452171
20°	418496
25°	338439
30°	202841
35°	68743
40°	18950
45°	8404
50°	2456
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: 8404 cd/sqm

TEST NUMBER: P1276571

CATALOG NUMBER: P3AS17R559835DE010 E3D1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.6	12.3
10°-20°	554.6	35.0
20°-30°	616.4	38.9
30°-40°	191.9	12.1
40°-50°	23.0	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°	1365.6	86.3
0°-40°	1557.5	98.4
0°-60°	1582.3	100.0
0°-90°	1583.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1583.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2093	
5°	2012	195
15°	1992	555
25°	1399	616
35°	257	192
45°	27	23
55°	1	2
65°	1	1
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1276571

CATALOG NUMBER: P3AS17R559835DE010 E3D1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	2093.4
1°	2085.6
2°	2065.2
3°	2039.9
4°	2017.1
5°	2011.7
6°	2017.7
7°	2030.3
8°	2044.7
9°	2056.2
10°	2059.8
11°	2057.4
12°	2047.7
13°	2032.7
14°	2015.3
15°	1991.8
16°	1964.7
17°	1930.5
18°	1892.0
19°	1845.7
20°	1793.4
21°	1733.8
22°	1663.4
23°	1585.9
24°	1496.9
25°	1398.8
26°	1291.2
27°	1176.9
28°	1054.8
29°	929.2
30°	801.1
31°	672.4
32°	546.7
32.5°	490.7
33°	433.0
34°	335.0
35°	256.8
36°	195.5
37°	144.9
37.5°	123.9
38°	107.6
39°	81.8
40°	66.2
42.5°	42.1
45°	27.1



TEST NUMBER: P1276571

CATALOG NUMBER: P3AS17R559835DE010 E3D1H

CANDELA DISTRIBUTION (continued):

	0°
47.5°	16.2
50°	7.2
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)