

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: P1275195

Luminaire Tested: P3AS02R559835DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1275195
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: P3AS02R559835DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 98CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

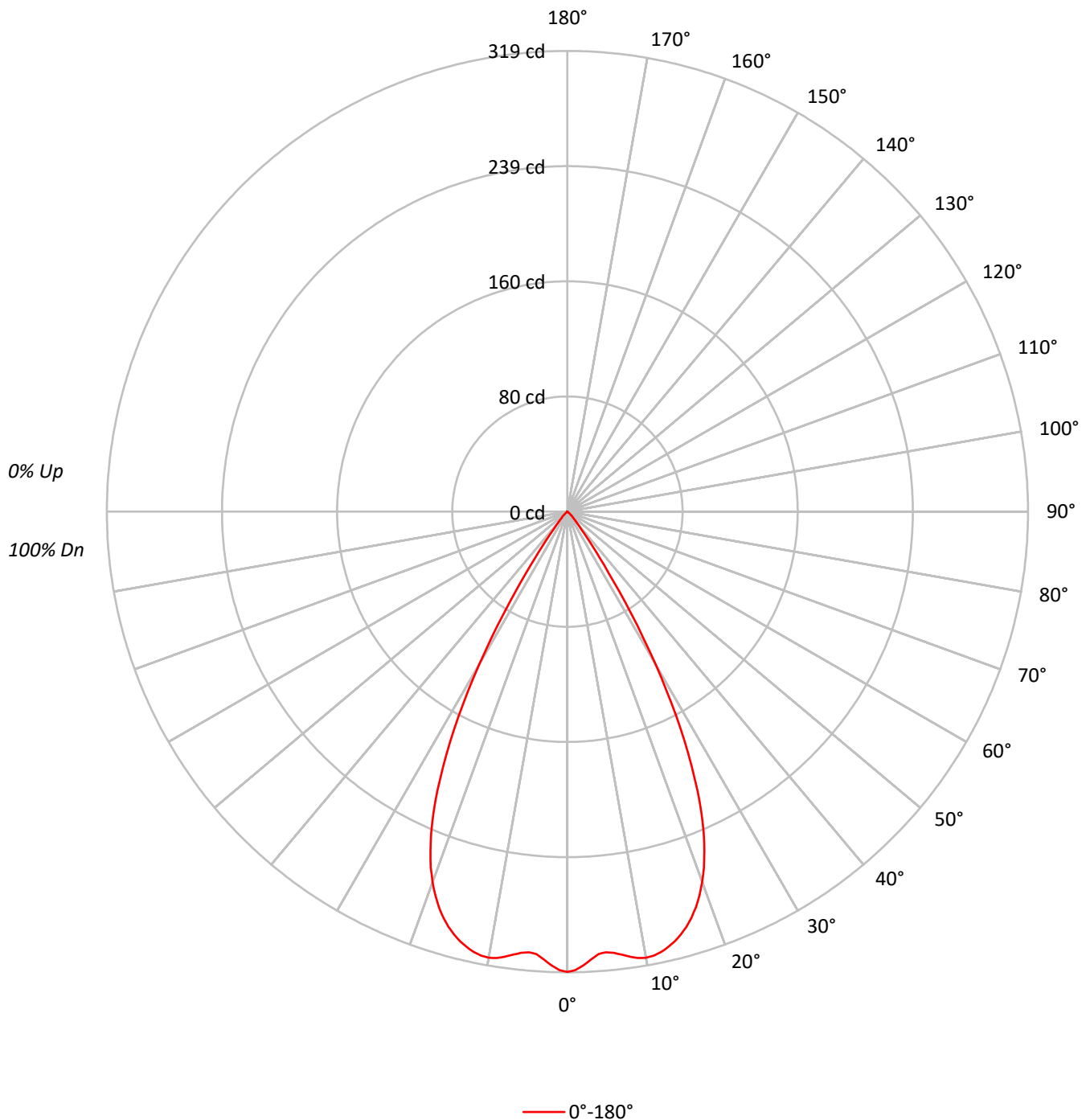
Lumens per Lamp: N/A
Luminaire Lumens: 241.0 lumens
Efficiency: N/A
Efficacy: 67.0 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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

TEST NUMBER: P1275195

CATALOG NUMBER: P3AS02R559835DE010 E3D1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1275195

CATALOG NUMBER: P3AS02R559835DE010 E3D1WMH

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°	69885
5°	67422
10°	69827
15°	68831
20°	63706
25°	51535
30°	30891
35°	10467
40°	2891
45°	1271
50°	375
55°	76
60°	44
65°	52
70°	64
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1271 cd/sqm

TEST NUMBER: P1275195

CATALOG NUMBER: P3AS02R559835DE010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.6	12.3
10°-20°	84.4	35.0
20°-30°	93.9	38.9
30°-40°	29.2	12.1
40°-50°	3.5	1.5
50°-60°	0.3	0.1
60°-70°	0.1	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°	207.9	86.3
0°-40°	237.1	98.4
0°-60°	240.9	100.0
0°-90°	241.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	241.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	319	
5°	306	30
15°	303	84
25°	213	94
35°	39	29
45°	4	4
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1275195

CATALOG NUMBER: P3AS02R559835DE010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	318.7
1°	317.5
2°	314.4
3°	310.6
4°	307.1
5°	306.3
6°	307.2
7°	309.1
8°	311.3
9°	313.0
10°	313.6
11°	313.2
12°	311.8
13°	309.5
14°	306.8
15°	303.2
16°	299.1
17°	293.9
18°	288.0
19°	281.0
20°	273.0
21°	264.0
22°	253.2
23°	241.4
24°	227.9
25°	213.0
26°	196.6
27°	179.2
28°	160.6
29°	141.5
30°	122.0
31°	102.4
32°	83.2
32.5°	74.7
33°	65.9
34°	51.0
35°	39.1
36°	29.8
37°	22.1
37.5°	18.9
38°	16.4
39°	12.5
40°	10.1
42.5°	6.4
45°	4.1



TEST NUMBER: P1275195

CATALOG NUMBER: P3AS02R559835DE010 E3D1WMH

CANDELA DISTRIBUTION (continued):

	0°
47.5°	2.5
50°	1.1
52.5°	0.4
55°	0.2
57.5°	0.1
60°	0.1
62.5°	0.1
65°	0.1
67.5°	0.1
70°	0.1
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)