

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: P1258985

Luminaire Tested: P3AS02R559050DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258985
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: P3AS02R559050DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R55 optic, 5000K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

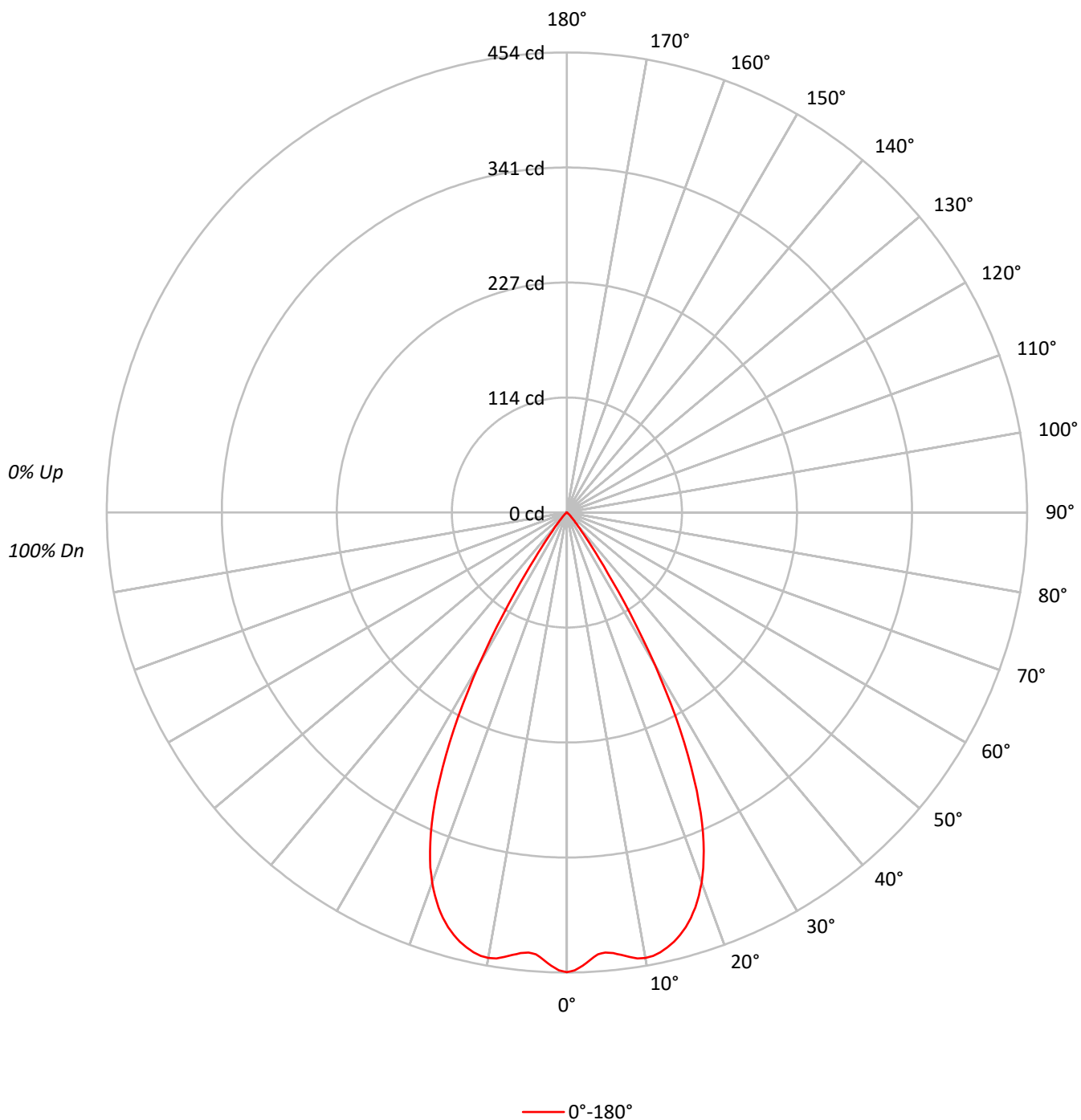
Lumens per Lamp: N/A
Luminaire Lumens: 343.0 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1258985

CATALOG NUMBER: P3AS02R559050DE010 E3D1WMH

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
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°	99466
5°	95950
10°	99375
15°	97980
20°	90681
25°	73335
30°	43956
35°	14884
40°	4093
45°	1830
50°	546
55°	115
60°	44
65°	52
70°	64
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1830 cd/sqm

TEST NUMBER: P1258985

CATALOG NUMBER: P3AS02R559050DE010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.2	12.3
10°-20°	120.2	35.0
20°-30°	133.6	38.9
30°-40°	41.6	12.1
40°-50°	5.0	1.5
50°-60°	0.4	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°	295.9	86.3
0°-40°	337.5	98.4
0°-60°	342.8	100.0
0°-90°	343.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	343.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	454	
5°	436	42
15°	432	120
25°	303	134
35°	56	42
45°	6	5
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1258985

CATALOG NUMBER: P3AS02R559050DE010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	453.6
1°	451.9
2°	447.5
3°	442.0
4°	437.1
5°	435.9
6°	437.2
7°	439.9
8°	443.0
9°	445.5
10°	446.3
11°	445.8
12°	443.7
13°	440.4
14°	436.7
15°	431.6
16°	425.7
17°	418.3
18°	409.9
19°	399.9
20°	388.6
21°	375.7
22°	360.4
23°	343.6
24°	324.3
25°	303.1
26°	279.8
27°	255.0
28°	228.6
29°	201.3
30°	173.6
31°	145.7
32°	118.4
32.5°	106.3
33°	93.8
34°	72.6
35°	55.6
36°	42.4
37°	31.4
37.5°	26.8
38°	23.3
39°	17.7
40°	14.3
42.5°	9.1
45°	5.9

TEST NUMBER: P1258985

CATALOG NUMBER: P3AS02R559050DE010 E3D1WMH

CANDELA DISTRIBUTION (continued):

	0°
47.5°	3.5
50°	1.6
52.5°	0.5
55°	0.3
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)