

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: P1258956

Luminaire Tested: P3AS02R509050DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258956
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS02R509050DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R50 optic, 5000K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

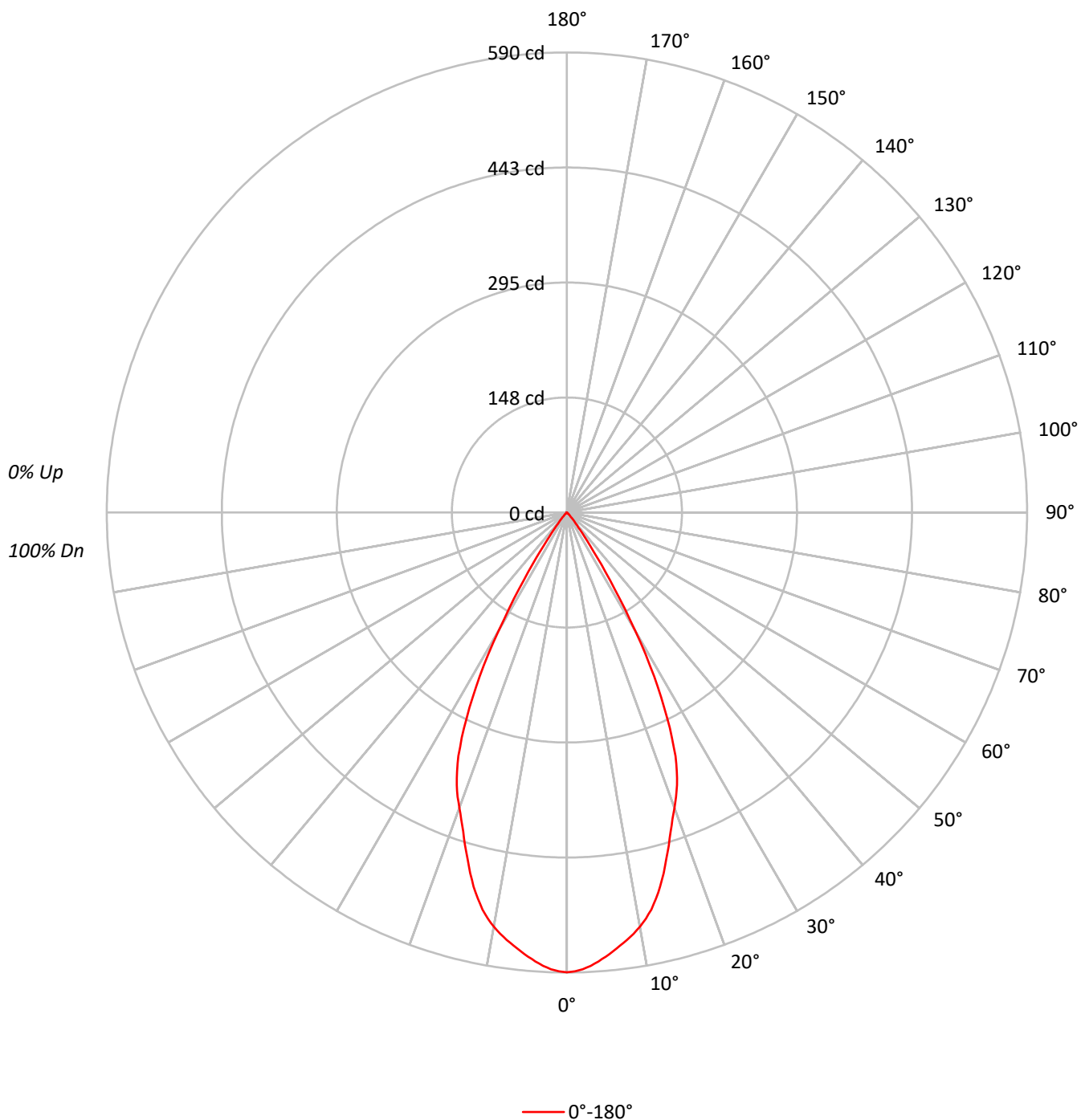
Lumens per Lamp: N/A
Luminaire Lumens: 370.0 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1258956

CATALOG NUMBER: P3AS02R509050DE010 E3D1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1258956

CATALOG NUMBER: P3AS02R509050DE010 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	112	109	107	112	110	108	106	105	104	102		102	101	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		91
4	100	94	89	85	99	92	88	85	90	87	84		88	85	83		87
5	96	89	84	80	94	88	83	79	86	82	79		84	81	78		83
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79
7	88	80	75	71	87	79	74	71	78	74	70		77	73	70		76
8	84	76	71	67	83	76	71	67	75	70	67		74	69	66		73
9	81	73	67	64	80	72	67	64	71	67	63		70	66	63		70
10	78	69	64	61	77	69	64	61	68	64	60		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	129310
5°	125864
10°	120105
15°	108741
20°	94065
25°	77158
30°	44336
35°	13759
40°	3693
45°	1302
50°	307
55°	115
60°	44
65°	52
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1302 cd/sqm

TEST NUMBER: P1258956

CATALOG NUMBER: P3AS02R509050DE010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.6	14.5
10°-20°	132.7	35.9
20°-30°	139.5	37.7
30°-40°	39.9	10.8
40°-50°	3.9	1.1
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°	325.7	88.0
0°-40°	365.7	98.8
0°-60°	369.9	100.0
0°-90°	370.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	370.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	590	
5°	572	54
15°	479	133
25°	319	139
35°	51	40
45°	4	4
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1258956

CATALOG NUMBER: P3AS02R509050DE010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	589.7
1°	588.7
2°	586.1
3°	582.3
4°	577.3
5°	571.8
6°	565.9
7°	559.6
8°	553.8
9°	547.0
10°	539.4
11°	530.7
12°	520.6
13°	508.1
14°	494.5
15°	479.0
16°	462.5
17°	446.6
18°	430.3
19°	415.9
20°	403.1
21°	390.8
22°	376.9
23°	360.8
24°	342.0
25°	318.9
26°	293.8
27°	265.9
28°	238.1
29°	208.1
30°	175.1
31°	144.1
32°	115.7
32.5°	103.3
33°	90.7
34°	69.6
35°	51.4
36°	37.7
37°	28.1
37.5°	24.3
38°	21.0
39°	16.3
40°	12.9
42.5°	7.3
45°	4.2



TEST NUMBER: P1258956

CATALOG NUMBER: P3AS02R509050DE010 E3D1WMH

CANDELA DISTRIBUTION (continued):

	0°
47.5°	2.3
50°	0.9
52.5°	0.4
55°	0.3
57.5°	0.3
60°	0.1
62.5°	0.1
65°	0.1
67.5°	0.1
70°	0.0
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)