

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: P1276201

Luminaire Tested: P3AS13R509835DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1276201
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: P3AS13R509835DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 98CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

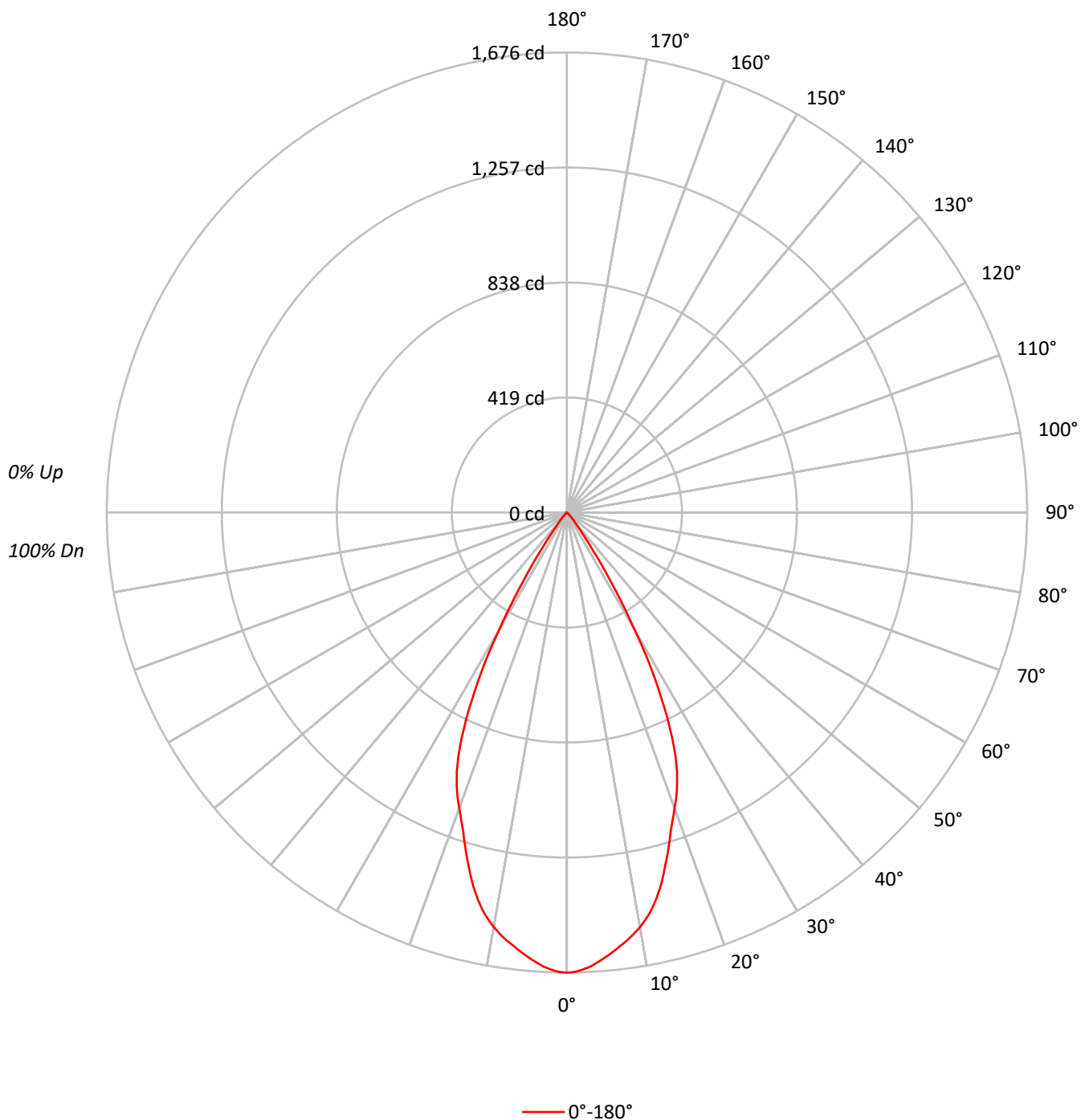
Lumens per Lamp: N/A
Luminaire Lumens: 1052.0 lumens
Efficiency: N/A
Efficacy: 72.6 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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: P1276201

CATALOG NUMBER: P3AS13R509835DE010 E3D1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1276201

CATALOG NUMBER: P3AS13R509835DE010 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°	367624
5°	357846
10°	341477
15°	309150
20°	267447
25°	219376
30°	126019
35°	39137
40°	10505
45°	3690
50°	887
55°	268
60°	175
65°	208
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 3690 cd/sqm

TEST NUMBER: P1276201

CATALOG NUMBER: P3AS13R509835DE010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.3	14.5
10°-20°	377.3	35.9
20°-30°	396.6	37.7
30°-40°	113.5	10.8
40°-50°	11.1	1.1
50°-60°	0.9	0.1
60°-70°	0.3	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°	926.2	88.0
0°-40°	1039.7	98.8
0°-60°	1051.7	100.0
0°-90°	1052.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1052.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1676	
5°	1626	152
15°	1362	377
25°	907	397
35°	146	114
45°	12	11
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1276201

CATALOG NUMBER: P3AS13R509835DE010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	1676.5
1°	1673.9
2°	1666.5
3°	1655.8
4°	1641.3
5°	1625.7
6°	1609.0
7°	1591.2
8°	1574.5
9°	1555.2
10°	1533.6
11°	1508.8
12°	1480.2
13°	1444.6
14°	1406.0
15°	1361.8
16°	1315.0
17°	1269.7
18°	1223.3
19°	1182.5
20°	1146.1
21°	1111.3
22°	1071.5
23°	1025.9
24°	972.4
25°	906.7
26°	835.5
27°	756.1
28°	677.0
29°	591.6
30°	497.7
31°	409.8
32°	328.8
32.5°	293.6
33°	258.0
34°	197.8
35°	146.2
36°	107.3
37°	79.8
37.5°	69.0
38°	59.8
39°	46.4
40°	36.7
42.5°	20.8
45°	11.9



TEST NUMBER: P1276201

CATALOG NUMBER: P3AS13R509835DE010 E3D1WMH

CANDELA DISTRIBUTION (continued):

	0°
47.5°	6.7
50°	2.6
52.5°	1.1
55°	0.7
57.5°	0.7
60°	0.4
62.5°	0.4
65°	0.4
67.5°	0.4
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)