

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: P1334635

Luminaire Tested: P3A02R259027DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334635
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R259027DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

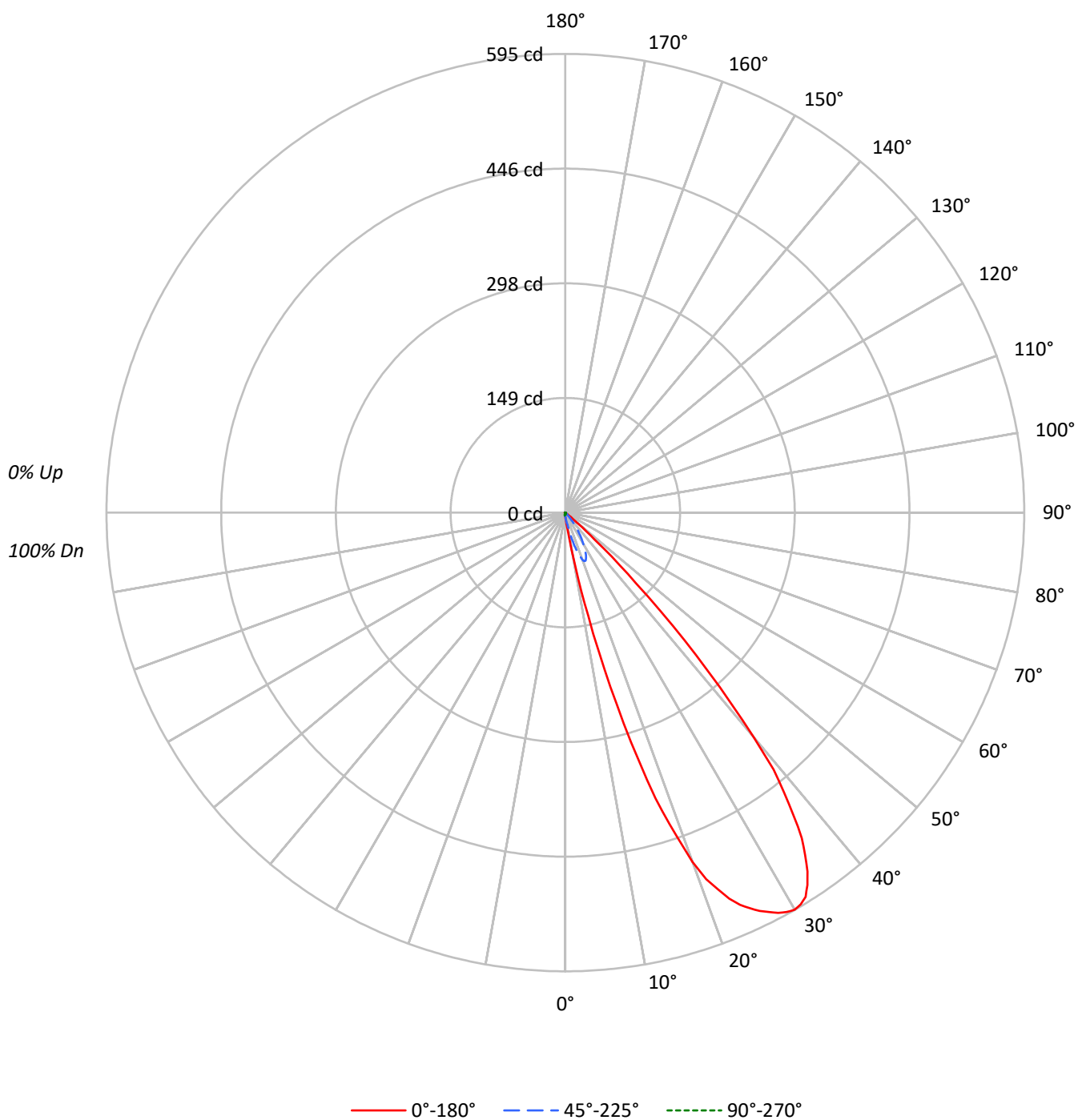
Lumens per Lamp: N/A
Luminaire Lumens: 118.9 lumens
Efficiency: N/A
Efficacy: 33.0 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.52 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1334635

CATALOG NUMBER: P3A02R259027DE010 E3A301WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1334635

CATALOG NUMBER: P3A02R259027DE010 E3A301WMH

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	93	93	92
2	106	100	95	92	104	98	94	91	95	92	89	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	77	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	69	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	63	63	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	61	57	57	57	55
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	47	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	42	42	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1118	1118	1118	1118	1118
5°	2818	2069	1057	528	418
10°	12291	3540	868	245	178
15°	58434	9535	613	91	68
20°	112476	15261	397	23	23
25°	136968	15388	218	0	0
30°	150605	11774	76	0	0
35°	145143	7495	27	0	0
40°	108432	3235	0	0	29
45°	40159	868	31	31	93
50°	4742	102	68	68	136
55°	459	0	76	115	229
60°	44	0	132	175	263
65°	52	52	208	311	363
70°	64	64	256	256	449
75°	85	85	254	254	339
80°	0	126	379	253	379
85°	0	252	755	252	252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 40159 cd/sqm

TEST NUMBER: P1334635

CATALOG NUMBER: P3A02R259027DE010 E3A301WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.7	0.6
10°-20°	13.9	11.7
20°-30°	43.5	36.6
30°-40°	45.8	38.5
40°-50°	13.5	11.3
50°-60°	0.7	0.6
60°-70°	0.3	0.3
70°-80°	0.3	0.2
80°-90°	0.1	0.1
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°	58.2	48.9
0°-40°	104.0	87.4
0°-60°	118.2	99.4
0°-90°	118.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	118.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5	5	5	5	5	
5°	13	9	5	2	2	2
15°	257	42	3	0	0	81
25°	566	64	1	0	0	260
35°	542	28	0	0	0	327
45°	130	3	0	0	0	118
55°	1	0	0	0	1	3
65°	0	0	0	1	1	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1334635

CATALOG NUMBER: P3A02R259027DE010 E3A301WMH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
2.5°	7.9	8.0	7.7	7.9	7.7	7.5	7.4	6.9	6.0	5.1	4.2
5°	12.8	12.8	12.2	12.1	11.9	11.4	11.0	9.4	6.8	4.8	3.3
7.5°	20.0	19.9	19.7	19.1	18.0	16.9	15.8	12.3	7.4	4.4	2.6
10°	55.2	54.4	53.4	47.4	40.6	34.6	29.4	15.9	8.0	3.9	1.9
12.5°	137.1	132.7	122.1	110.1	94.8	78.7	63.0	25.9	8.2	3.2	1.3
15°	257.4	248.1	231.7	207.7	176.4	141.2	111.3	42.0	8.0	2.7	1.0
17.5°	388.6	379.7	357.0	320.5	274.5	220.4	167.3	55.6	7.4	2.2	0.7
20°	482.0	472.5	451.2	412.6	362.7	290.7	220.3	65.4	7.0	1.7	0.3
21°	509.3	499.9	477.3	440.0	387.6	315.3	237.3	67.1	6.7	1.4	0.2
22°	526.6	521.1	496.9	460.7	407.3	335.1	251.8	67.8	6.4	1.3	0.2
23°	544.0	535.7	513.1	474.9	422.2	349.7	262.6	67.3	6.2	1.1	0.1
24°	556.9	549.9	523.6	485.9	432.7	358.7	268.9	65.8	5.9	1.0	0.1
25°	566.1	559.7	532.3	493.3	439.7	363.6	270.9	63.6	5.6	0.9	0.1
26°	574.9	567.9	539.5	497.6	443.3	365.2	269.0	61.2	5.2	0.8	0.0
27°	581.2	574.1	544.5	500.2	443.6	363.3	263.9	57.8	4.9	0.7	0.0
28°	588.0	579.8	547.9	501.6	442.2	358.8	256.6	54.3	4.7	0.6	0.0
29°	592.1	584.3	551.5	503.2	439.5	351.4	245.9	50.1	4.1	0.3	0.0
30°	594.8	585.6	551.1	501.5	435.8	343.4	233.2	46.5	3.6	0.3	0.0
31°	592.6	582.9	547.6	496.9	429.9	333.0	220.1	42.1	2.9	0.2	0.0
32°	587.8	576.3	541.4	488.7	419.4	319.5	206.5	38.4	2.1	0.2	0.0
33°	576.1	566.5	530.2	477.9	405.6	301.3	188.9	34.9	1.4	0.1	0.0
34°	561.5	551.8	514.8	463.3	387.2	277.8	167.4	31.2	1.2	0.1	0.0
35°	542.2	532.6	497.5	443.0	362.7	249.5	145.3	28.0	1.0	0.1	0.0
36°	521.8	509.2	475.6	421.4	330.0	217.3	121.7	24.3	0.8	0.1	0.0
37°	492.0	483.4	446.2	388.4	294.6	186.4	104.5	21.0	0.6	0.1	0.0
38°	461.0	453.1	416.8	355.2	255.0	155.9	87.5	17.8	0.4	0.0	0.0
39°	429.0	415.9	380.1	312.7	213.6	130.6	73.6	14.9	0.2	0.0	0.0
40°	378.8	368.8	330.5	261.6	176.8	105.8	62.7	11.3	0.2	0.0	0.0
42.5°	251.1	241.8	201.6	141.9	93.9	61.8	41.4	4.4	0.0	0.1	0.0
45°	129.5	123.6	100.4	74.3	53.3	38.0	26.6	2.8	0.0	0.1	0.1
47.5°	51.4	50.4	45.5	39.3	30.3	22.5	14.5	1.2	0.0	0.1	0.1
50°	13.9	14.0	13.1	12.1	11.0	10.3	6.1	0.3	0.0	0.2	0.1
52.5°	5.9	6.0	5.8	5.4	4.9	3.7	2.4	0.1	0.1	0.2	0.2
55°	1.2	1.3	1.4	1.6	1.8	1.6	1.0	0.0	0.1	0.2	0.2
57.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.0	0.1	0.2	0.3
60°	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.2	0.3	0.3
62.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.4
65°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.4	0.4
67.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.4	0.4
70°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.4	0.4
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.4	0.3
75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.2



TEST NUMBER: P1334635

CATALOG NUMBER: P3A02R259027DE010 E3A301WMH

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1334635

CATALOG NUMBER: P3A02R259027DE010 E3A301WMH

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	5.1	5.1	5.1
2.5°	3.6	3.2	3.1
5°	2.4	2.1	1.9
7.5°	1.7	1.3	1.2
10°	1.1	0.9	0.8
12.5°	0.8	0.4	0.4
15°	0.4	0.3	0.3
17.5°	0.2	0.1	0.1
20°	0.1	0.1	0.1
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.1
39°	0.0	0.1	0.1
40°	0.0	0.1	0.1
42.5°	0.0	0.1	0.2
45°	0.1	0.2	0.3
47.5°	0.2	0.3	0.4
50°	0.2	0.4	0.4
52.5°	0.3	0.4	0.6
55°	0.3	0.6	0.6
57.5°	0.4	0.6	0.7
60°	0.4	0.6	0.6
62.5°	0.4	0.7	0.7
65°	0.6	0.7	0.7
67.5°	0.6	0.7	0.7
70°	0.4	0.6	0.7
72.5°	0.4	0.6	0.6
75°	0.3	0.4	0.4
77.5°	0.3	0.3	0.4
80°	0.2	0.3	0.3

TEST NUMBER: P1334635

CATALOG NUMBER: P3A02R259027DE010 E3A301WMH

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.2	0.2	0.2
85°	0.1	0.1	0.1
87.5°	0.1	0.1	0.1
90°	0.0	0.0	0.0

(END OF REPORT)