

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: P1335477

Luminaire Tested: P3A02R359830DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335477
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R359830DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

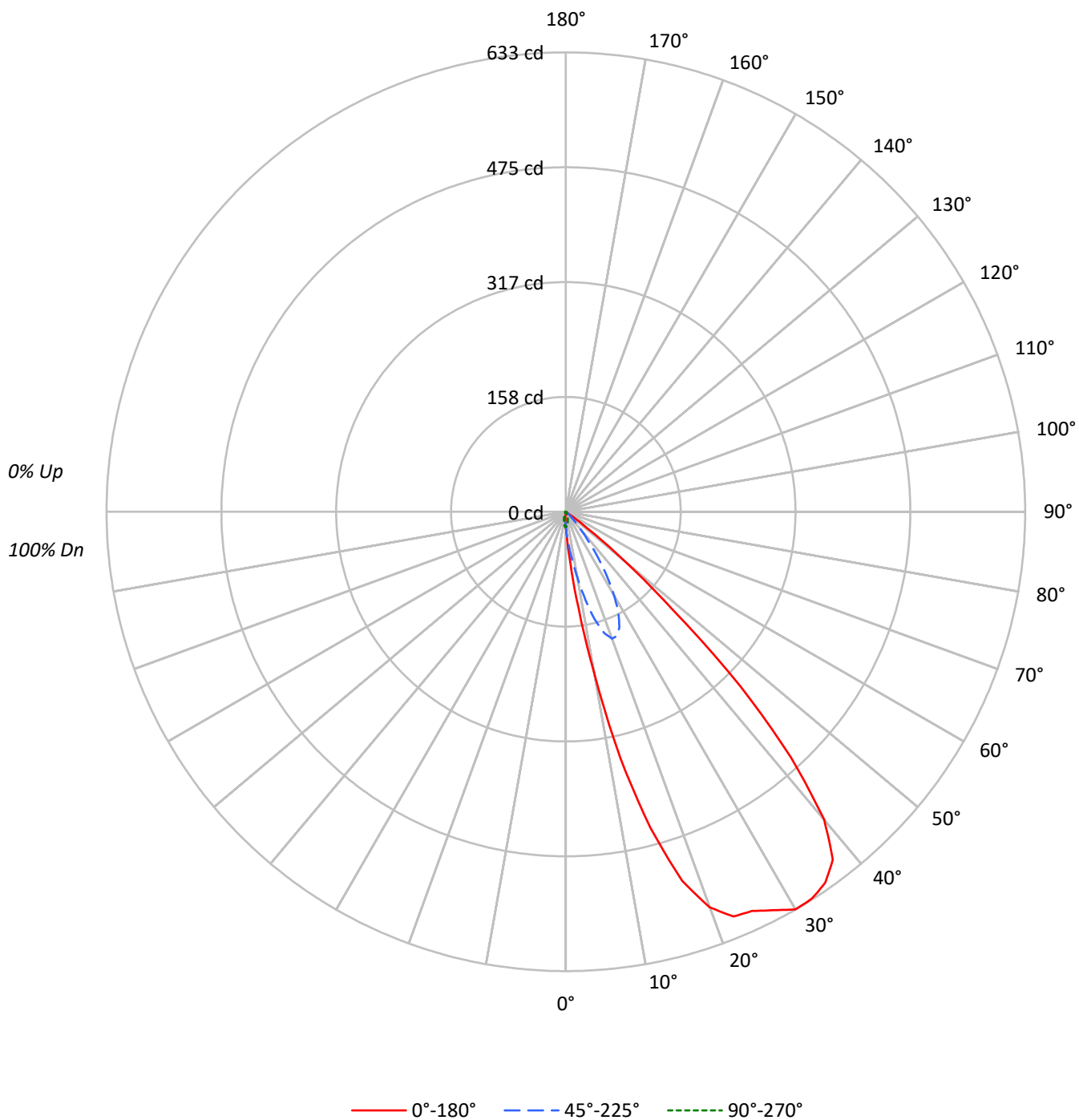
Lumens per Lamp: N/A
Luminaire Lumens: 199.1 lumens
Efficiency: N/A
Efficacy: 55.3 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99		99	98	96		96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	84	83
3	99	91	85	81	97	90	84	80	87	83	79		85	81	77		82	79	76	74
4	92	83	77	72	91	82	76	71	80	75	71		78	73	70		76	72	69	67
5	86	76	69	64	85	75	69	64	74	68	63		72	67	63		70	66	62	60
6	81	70	63	58	79	69	62	58	68	62	57		66	61	57		65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47		56	51	47		55	50	46	45
9	66	55	48	43	65	54	47	43	53	47	43		52	46	42		51	46	42	41
10	62	50	44	39	61	50	43	39	49	43	39		48	43	39		47	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4583	4583	4583	4583	4583
5°	15606	10147	4292	1805	1343
10°	50233	20574	3384	668	445
15°	102362	34870	2384	250	159
20°	135345	43427	1540	93	93
25°	146863	42220	871	48	97
30°	160202	33651	354	51	101
35°	166933	20934	107	54	107
40°	158411	9160	57	115	143
45°	105747	3659	62	155	279
50°	35479	614	136	239	375
55°	1988	76	153	344	497
60°	175	88	219	395	570
65°	208	104	259	467	675
70°	128	128	321	577	705
75°	169	169	424	593	763
80°	0	253	631	631	631
85°	0	503	1258	503	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 105747 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	1.8
10°-20°	28.6	14.4
20°-30°	60.3	30.3
30°-40°	68.4	34.4
40°-50°	33.7	16.9
50°-60°	2.9	1.5
60°-70°	0.6	0.3
70°-80°	0.5	0.3
80°-90°	0.3	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°	92.5	46.5
0°-40°	161.0	80.9
0°-60°	197.6	99.3
0°-90°	199.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	199.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	21	21	21	21	21	
5°	71	46	20	8	6	12
15°	451	154	10	1	1	128
25°	607	174	4	0	0	282
35°	624	78	0	0	0	384
45°	341	12	0	0	1	252
55°	5	0	0	1	1	20
65°	0	0	0	1	1	0
75°	0	0	0	1	1	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
2.5°	36.3	37.2	36.8	36.6	36.4	35.7	34.1	33.9	32.3	31.3	25.9
5°	70.9	69.5	69.8	67.9	65.4	61.8	59.5	54.5	50.4	46.1	30.2
7.5°	133.6	131.7	127.9	122.2	116.3	108.6	97.0	87.7	77.0	66.8	33.6
10°	225.6	224.5	219.7	205.1	192.2	171.7	152.4	132.0	112.0	92.4	35.9
12.5°	348.5	341.2	332.4	313.0	287.6	261.9	223.8	188.6	156.7	123.8	36.1
15°	450.9	446.2	433.9	408.5	378.0	340.8	295.6	248.3	200.1	153.6	34.3
17.5°	533.2	526.1	510.2	485.4	450.2	401.9	349.1	291.4	232.6	174.9	31.3
20°	580.0	576.3	564.1	539.3	500.9	448.2	388.0	320.8	252.9	186.1	27.3
22.5°	603.6	600.9	592.0	572.2	536.3	483.2	414.3	336.2	258.8	184.9	23.2
25°	607.0	606.3	598.6	583.6	553.6	501.1	425.7	339.0	254.0	174.5	19.3
27.5°	618.8	616.3	607.2	592.2	562.0	504.1	421.8	329.2	238.5	156.3	16.1
30°	632.7	630.9	621.8	606.3	570.6	501.2	407.8	307.4	213.6	132.9	12.0
32.5°	631.7	630.9	623.3	606.8	564.5	484.5	383.0	274.7	179.9	104.9	7.5
35°	623.6	621.1	611.5	586.1	529.8	441.2	335.8	230.4	142.4	78.2	4.8
37.5°	604.3	599.0	582.7	539.7	467.8	374.6	273.5	177.9	100.8	52.3	3.0
40°	553.4	546.6	513.9	461.9	386.7	295.1	203.5	122.4	66.5	32.0	1.3
42.5°	459.1	445.3	412.6	359.2	288.7	208.6	133.6	79.3	39.1	19.3	0.4
45°	341.0	330.5	296.2	247.8	189.2	133.8	80.9	42.9	21.6	11.8	0.2
47.5°	198.6	192.2	174.5	142.7	104.5	70.2	41.4	23.0	12.7	5.7	0.2
50°	104.0	95.9	82.5	62.5	46.1	32.3	20.2	12.3	6.3	1.8	0.2
52.5°	36.4	35.9	32.7	24.7	20.0	14.5	9.8	5.4	1.8	0.4	0.2
55°	5.2	5.2	4.8	5.4	5.7	5.2	3.4	1.4	0.4	0.2	0.2
57.5°	0.4	0.4	0.4	0.5	0.7	0.7	0.5	0.2	0.2	0.2	0.4
60°	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
62.5°	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
65°	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
77.5°	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	20.9	20.9	20.9	20.9	20.9
2.5°	20.7	16.6	13.2	11.6	11.1
5°	19.5	12.5	8.2	6.4	6.1
7.5°	17.3	8.9	5.0	3.6	3.4
10°	15.2	6.4	3.0	2.1	2.0
12.5°	12.7	4.5	2.0	1.3	1.1
15°	10.5	3.0	1.1	0.9	0.7
17.5°	8.4	2.0	0.7	0.5	0.7
20°	6.6	1.3	0.4	0.4	0.4
22.5°	5.0	0.7	0.4	0.4	0.4
25°	3.6	0.4	0.2	0.2	0.4
27.5°	2.5	0.2	0.2	0.2	0.4
30°	1.4	0.2	0.2	0.2	0.4
32.5°	0.7	0.2	0.2	0.4	0.4
35°	0.4	0.2	0.2	0.4	0.4
37.5°	0.2	0.2	0.2	0.4	0.5
40°	0.2	0.2	0.4	0.5	0.5
42.5°	0.2	0.2	0.4	0.5	0.7
45°	0.2	0.4	0.5	0.7	0.9
47.5°	0.4	0.4	0.7	0.9	1.1
50°	0.4	0.5	0.7	1.1	1.1
52.5°	0.4	0.5	0.9	1.1	1.3
55°	0.4	0.7	0.9	1.3	1.3
57.5°	0.5	0.7	0.9	1.3	1.3
60°	0.5	0.7	0.9	1.3	1.3
62.5°	0.5	0.7	0.9	1.3	1.3
65°	0.5	0.7	0.9	1.3	1.3
67.5°	0.5	0.7	0.9	1.1	1.3
70°	0.5	0.7	0.9	1.1	1.1
72.5°	0.7	0.7	0.9	1.1	1.1
75°	0.5	0.7	0.7	0.9	0.9
77.5°	0.5	0.5	0.5	0.7	0.7
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.4	0.4	0.5	0.5
85°	0.5	0.4	0.2	0.4	0.4
87.5°	0.4	0.4	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)