

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: P1335445

Luminaire Tested: P3A02R359740DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335445
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: P3A02R359740DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

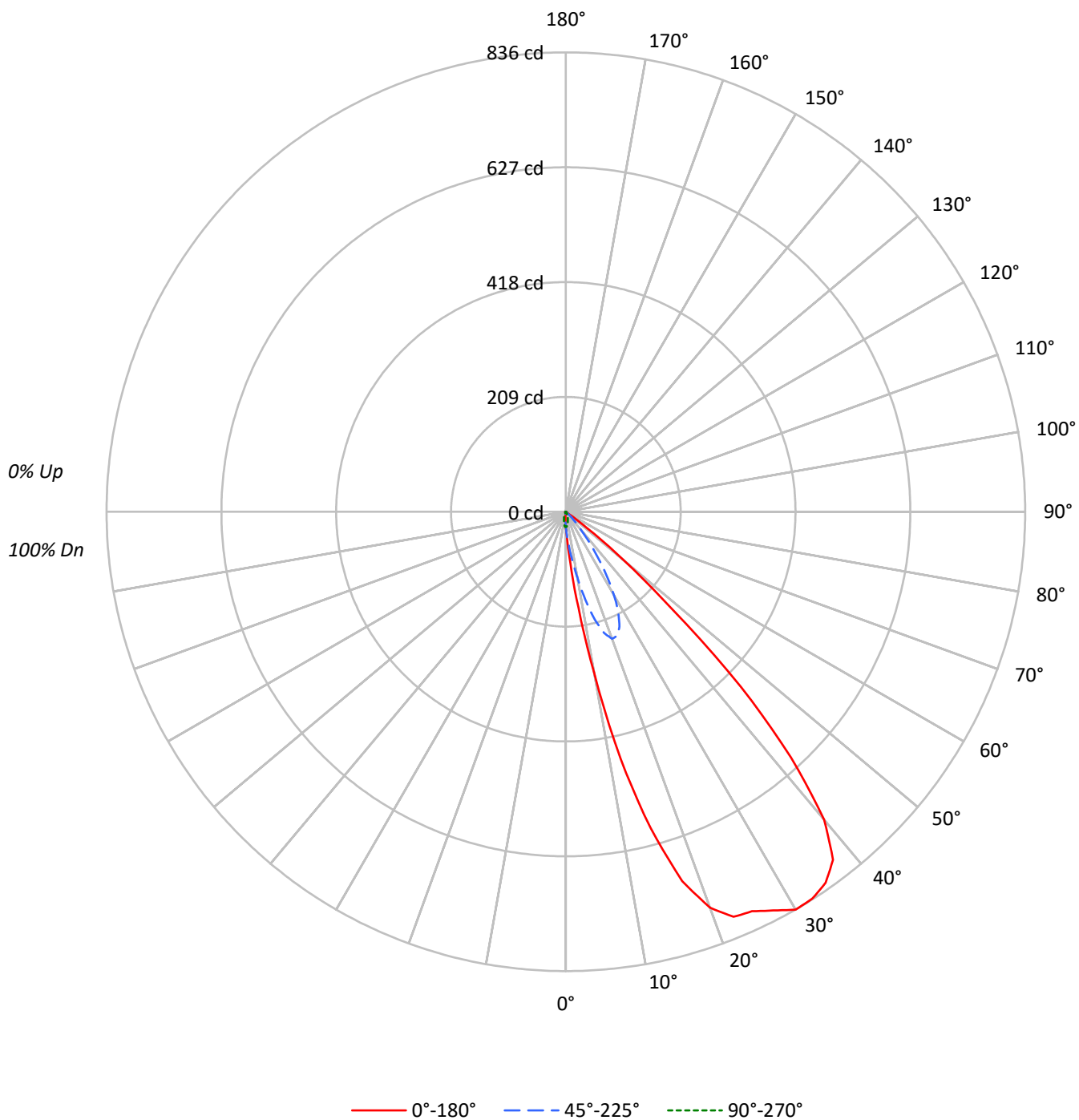
Lumens per Lamp: N/A
Luminaire Lumens: 263.0 lumens
Efficiency: N/A
Efficacy: 73.0 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
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	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	61		
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	51	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°	6052	6052	6052	6052	6052
5°	20625	13405	5657	2399	1761
10°	66398	27187	4476	891	579
15°	135279	46084	3156	318	204
20°	178889	57405	2030	117	117
25°	194092	55818	1137	48	121
30°	211729	44463	481	51	127
35°	220632	27679	134	54	134
40°	209364	12108	57	143	200
45°	139766	4838	62	217	372
50°	46873	819	171	307	478
55°	2600	76	191	459	650
60°	219	88	307	526	746
65°	259	104	363	623	882
70°	128	128	449	769	898
75°	169	169	593	763	1017
80°	0	253	884	884	884
85°	0	503	1761	503	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 139766 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.8	1.8
10°-20°	37.8	14.4
20°-30°	79.7	30.3
30°-40°	90.5	34.4
40°-50°	44.5	16.9
50°-60°	3.9	1.5
60°-70°	0.8	0.3
70°-80°	0.7	0.3
80°-90°	0.4	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°	122.3	46.5
0°-40°	212.7	80.9
0°-60°	261.1	99.3
0°-90°	263.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	263.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	28	28	28	28	28	
5°	94	61	26	11	8	15
15°	596	203	14	1	1	169
25°	802	231	5	0	0	373
35°	824	103	0	0	0	508
45°	451	16	0	1	1	333
55°	7	0	0	1	2	27
65°	0	0	1	1	2	0
75°	0	0	1	1	1	0
85°	0	0	1	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°	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
2.5°	47.9	49.1	48.6	48.4	48.2	47.2	45.1	44.9	42.7	41.3	34.2
5°	93.7	91.8	92.3	89.7	86.4	81.7	78.6	72.0	66.6	60.9	39.9
7.5°	176.6	174.0	169.0	161.5	153.7	143.5	128.2	115.9	101.8	88.3	44.4
10°	298.2	296.8	290.4	271.0	254.0	226.9	201.4	174.5	148.0	122.1	47.5
12.5°	460.6	450.9	439.4	413.6	380.1	346.1	295.8	249.3	207.0	163.6	47.7
15°	595.9	589.7	573.5	539.9	499.6	450.5	390.7	328.2	264.4	203.0	45.3
17.5°	704.7	695.3	674.3	641.4	594.9	531.2	461.3	385.1	307.4	231.1	41.3
20°	766.6	761.6	745.6	712.7	662.0	592.3	512.8	424.0	334.3	246.0	36.1
22.5°	797.7	794.2	782.4	756.2	708.7	638.6	547.5	444.3	342.1	244.3	30.7
25°	802.2	801.3	791.1	771.3	731.6	662.2	562.6	448.1	335.7	230.7	25.5
27.5°	817.8	814.5	802.5	782.6	742.7	666.2	557.4	435.1	315.2	206.6	21.2
30°	836.2	833.9	821.8	801.3	754.1	662.5	539.0	406.3	282.4	175.6	15.8
32.5°	834.8	833.9	823.7	802.0	746.0	640.3	506.2	363.1	237.7	138.6	9.9
35°	824.2	820.9	808.1	774.6	700.2	583.1	443.8	304.6	188.2	103.4	6.4
37.5°	798.7	791.6	770.1	713.2	618.3	495.1	361.4	235.1	133.2	69.2	4.0
40°	731.4	722.4	679.2	610.5	511.1	390.0	268.9	161.7	87.8	42.3	1.7
42.5°	606.7	588.6	545.4	474.8	381.5	275.7	176.6	104.8	51.7	25.5	0.5
45°	450.7	436.8	391.4	327.5	250.0	176.8	106.9	56.7	28.6	15.6	0.2
47.5°	262.5	254.0	230.7	188.6	138.1	92.8	54.8	30.5	16.8	7.6	0.2
50°	137.4	126.8	109.1	82.6	60.9	42.7	26.7	16.3	8.3	2.4	0.2
52.5°	48.2	47.5	43.2	32.6	26.4	19.1	13.0	7.1	2.4	0.5	0.2
55°	6.8	6.8	6.4	7.1	7.6	6.8	4.5	1.9	0.5	0.2	0.2
57.5°	0.5	0.5	0.5	0.7	0.9	0.9	0.7	0.2	0.2	0.2	0.5
60°	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
62.5°	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
65°	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7
77.5°	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.5
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°	27.6	27.6	27.6	27.6	27.6
2.5°	27.4	22.0	17.5	15.3	14.6
5°	25.7	16.5	10.9	8.5	8.0
7.5°	22.9	11.8	6.6	4.7	4.5
10°	20.1	8.5	4.0	2.8	2.6
12.5°	16.8	5.9	2.6	1.7	1.4
15°	13.9	4.0	1.4	1.2	0.9
17.5°	11.1	2.6	0.9	0.7	0.9
20°	8.7	1.7	0.5	0.5	0.5
22.5°	6.6	0.9	0.5	0.5	0.5
25°	4.7	0.5	0.2	0.2	0.5
27.5°	3.3	0.2	0.2	0.2	0.5
30°	1.9	0.2	0.2	0.2	0.5
32.5°	0.9	0.2	0.2	0.5	0.5
35°	0.5	0.2	0.2	0.5	0.5
37.5°	0.2	0.2	0.2	0.5	0.7
40°	0.2	0.2	0.5	0.7	0.7
42.5°	0.2	0.2	0.5	0.7	0.9
45°	0.2	0.5	0.7	0.9	1.2
47.5°	0.5	0.5	0.9	1.2	1.4
50°	0.5	0.7	0.9	1.4	1.4
52.5°	0.5	0.7	1.2	1.4	1.7
55°	0.5	0.9	1.2	1.7	1.7
57.5°	0.7	0.9	1.2	1.7	1.7
60°	0.7	0.9	1.2	1.7	1.7
62.5°	0.7	0.9	1.2	1.7	1.7
65°	0.7	0.9	1.2	1.7	1.7
67.5°	0.7	0.9	1.2	1.4	1.7
70°	0.7	0.9	1.2	1.4	1.4
72.5°	0.9	0.9	1.2	1.4	1.4
75°	0.7	0.9	0.9	1.2	1.2
77.5°	0.7	0.7	0.7	0.9	0.9
80°	0.7	0.7	0.7	0.7	0.7
82.5°	0.7	0.5	0.5	0.7	0.7
85°	0.7	0.5	0.2	0.5	0.5
87.5°	0.5	0.5	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)