

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: P1341545

Luminaire Tested: P3A09R309835DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1341545
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R309835DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

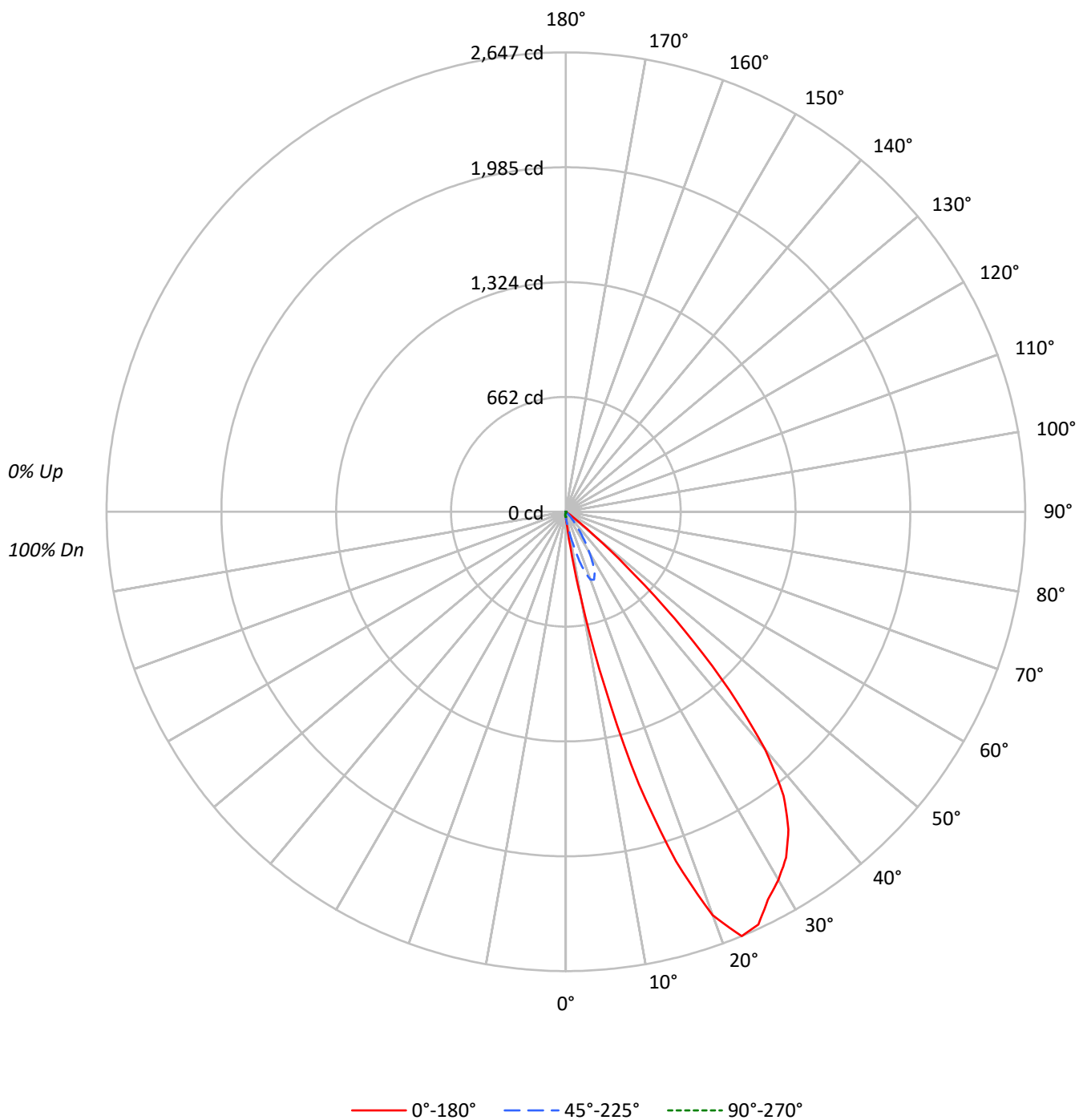
Lumens per Lamp: N/A
Luminaire Lumens: 624.0 lumens
Efficiency: N/A
Efficacy: 56.7 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92	
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83	
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75	
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68	
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61	
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55	
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50	
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45	
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	41	
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	6513	6513	6513	6513	6513
5°	19591	13053	6141	2751	2267
10°	113380	27677	4832	1269	891
15°	368788	62770	3360	250	136
20°	577060	97122	2124	0	0
25°	634875	94917	1113	0	0
30°	620095	68441	430	0	0
35°	598480	38922	161	0	0
40°	510385	16488	0	0	0
45°	299535	6202	186	0	186
50°	72765	1160	205	205	580
55°	6308	0	421	650	879
60°	263	0	482	746	1272
65°	311	311	882	882	1505
70°	385	385	1090	1090	1475
75°	0	508	1440	1440	1440
80°	0	758	2147	1389	1389
85°	0	1510	4277	1510	1510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 299535 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.4	0.9
10°-20°	85.8	13.7
20°-30°	217.9	34.9
30°-40°	217.2	34.8
40°-50°	88.0	14.1
50°-60°	6.1	1.0
60°-70°	1.4	0.2
70°-80°	1.4	0.2
80°-90°	0.8	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°	309.2	49.5
0°-40°	526.4	84.4
0°-60°	620.5	99.4
0°-90°	624.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	624.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	30	30	30	30	30	
5°	89	59	28	12	10	21
15°	1624	276	15	1	1	473
25°	2624	392	5	0	0	1185
35°	2236	145	1	0	0	1370
45°	966	20	1	0	1	737
55°	16	0	1	2	2	43
65°	1	1	2	2	3	1
75°	0	1	2	2	2	0
85°	0	1	2	1	1	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°	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
2.5°	49.0	49.6	49.6	48.5	47.9	47.9	46.2	45.6	43.9	42.2	36.5
5°	89.0	87.2	85.0	85.0	79.8	77.0	73.0	68.4	65.0	59.3	42.2
7.5°	201.8	188.2	184.2	179.0	159.7	144.3	126.6	111.2	96.9	85.0	46.8
10°	509.2	482.4	460.1	415.1	358.7	304.5	254.3	196.1	156.2	124.3	50.2
12.5°	1025.8	989.9	947.1	865.0	759.5	624.4	504.6	376.9	264.6	183.0	51.3
15°	1624.5	1563.5	1496.8	1392.4	1219.6	1025.8	809.7	606.1	424.8	276.5	50.2
17.5°	2112.6	2088.6	1990.0	1847.4	1635.9	1386.1	1119.9	841.6	573.0	362.1	46.8
20°	2472.9	2456.4	2337.2	2185.6	1947.2	1661.0	1322.8	988.7	676.2	416.2	41.6
22.5°	2646.8	2644.0	2557.9	2402.8	2150.2	1825.8	1453.4	1073.7	708.2	423.7	34.8
25°	2624.0	2634.3	2585.3	2470.1	2227.7	1893.6	1492.2	1073.7	684.8	392.3	29.1
27.5°	2520.3	2527.1	2496.3	2407.9	2182.1	1844.6	1438.0	1004.7	616.9	337.0	23.9
30°	2449.0	2451.8	2413.6	2319.0	2079.5	1732.8	1310.3	877.0	514.3	270.3	17.7
32.5°	2362.3	2361.7	2317.3	2208.9	1944.9	1576.0	1148.4	724.7	395.1	205.3	10.3
35°	2235.7	2221.5	2161.0	2036.2	1744.2	1365.0	941.4	551.9	284.5	145.4	6.3
37.5°	2061.8	2024.8	1939.2	1772.2	1462.5	1070.3	697.9	387.7	194.4	96.4	4.0
40°	1783.0	1743.7	1627.3	1424.3	1106.2	770.3	470.4	252.6	122.6	57.6	2.3
42.5°	1398.1	1371.3	1214.5	1012.1	730.4	491.5	282.8	149.4	69.0	33.1	0.6
45°	965.9	931.1	808.0	636.3	438.5	272.6	158.5	78.1	39.3	20.0	0.0
47.5°	533.1	490.4	419.1	329.6	220.7	143.1	79.8	42.2	22.2	9.7	0.0
50°	213.3	211.5	168.2	119.7	84.4	65.0	39.9	22.8	11.4	3.4	0.6
52.5°	74.7	74.7	64.4	52.5	41.1	29.7	20.0	10.8	4.0	1.1	0.6
55°	16.5	18.2	17.1	16.0	15.4	13.1	8.6	4.0	1.1	0.0	0.6
57.5°	1.7	1.7	1.7	2.3	2.9	2.9	2.3	1.1	0.0	0.0	0.6
60°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	1.1
62.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.6	0.6	1.1
65°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.1
67.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.1
70°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.7
72.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.7
75°	0.0	0.0	0.6	0.6	0.0	0.6	0.6	0.6	0.6	0.6	1.7
77.5°	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.1
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°	29.7	29.7	29.7	29.7	29.7
2.5°	29.7	23.4	19.4	17.1	16.5
5°	27.9	17.7	12.5	10.8	10.3
7.5°	25.1	13.1	8.6	6.8	6.3
10°	21.7	9.7	5.7	4.0	4.0
12.5°	18.2	7.4	3.4	1.7	1.1
15°	14.8	4.6	1.1	0.6	0.6
17.5°	11.4	2.9	0.0	0.0	0.0
20°	9.1	1.1	0.0	0.0	0.0
22.5°	6.8	0.6	0.0	0.0	0.0
25°	4.6	0.0	0.0	0.0	0.0
27.5°	2.9	0.0	0.0	0.0	0.0
30°	1.7	0.0	0.0	0.0	0.0
32.5°	0.6	0.0	0.0	0.0	0.0
35°	0.6	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.6	0.0	0.0	0.6	0.6
47.5°	0.6	0.6	0.6	1.1	1.1
50°	0.6	0.6	0.6	1.1	1.7
52.5°	1.1	0.6	1.1	1.7	1.7
55°	1.1	1.1	1.7	2.3	2.3
57.5°	1.1	1.1	1.7	2.3	2.3
60°	1.1	1.1	1.7	2.3	2.9
62.5°	1.7	1.7	1.7	2.3	2.3
65°	1.7	1.7	1.7	2.3	2.9
67.5°	1.7	1.7	1.7	2.3	2.9
70°	1.7	1.7	1.7	2.3	2.3
72.5°	2.3	1.7	1.7	2.3	2.3
75°	1.7	1.7	1.7	1.7	1.7
77.5°	1.7	1.7	1.1	1.7	1.7
80°	1.7	1.1	1.1	1.1	1.1
82.5°	1.7	1.1	1.1	1.1	1.1
85°	1.7	1.1	0.6	0.6	0.6
87.5°	1.7	1.1	0.6	0.6	0.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)