

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: P1305389

Luminaire Tested: P3SQASS02R209024DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305389
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-60)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQASS02R209024DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

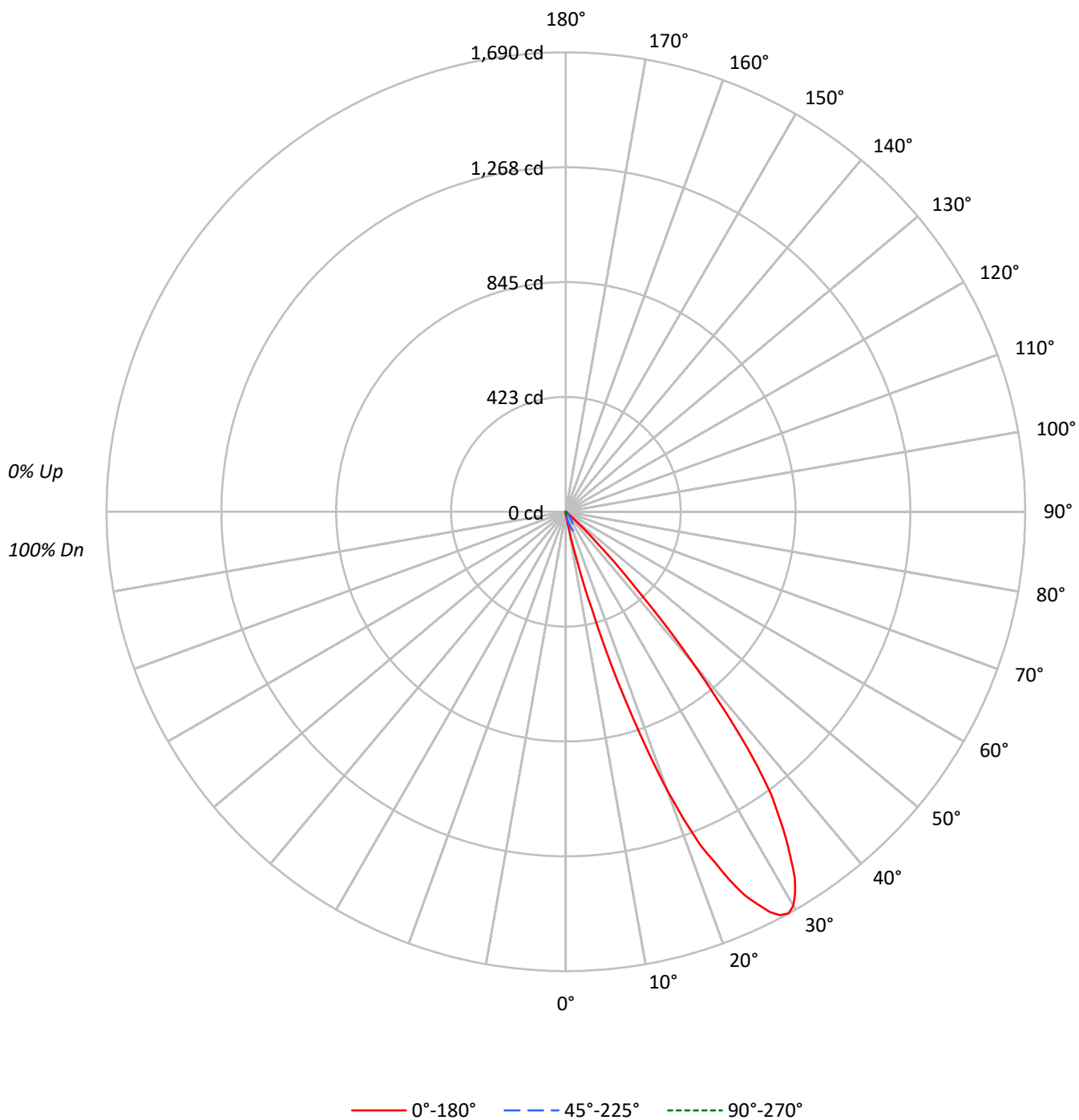
Lumens per Lamp: N/A
Luminaire Lumens: 237.0 lumens
Efficiency: N/A
Efficacy: 65.8 lumens/watt
Spacing Criteria (0/90/45): 2.29 / 0.53 / 1.19
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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	96	92	104	99	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	80	77	77	77	75
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	70	70	68
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	63	63	61
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	57	57	55
7	76	65	58	53	74	64	57	53	63	57	52	62	56	52	60	55	52	52	52	50
8	71	60	53	48	70	59	52	48	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	43	43	43	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°	1412	1412	1412	1412	1412
5°	3233	2420	1331	813	709
10°	10195	4215	1084	455	332
15°	66024	7774	802	160	36
20°	199239	13324	550	0	0
25°	295891	13435	323	0	0
30°	332742	10222	119	0	0
35°	287111	6097	84	0	0
40°	165333	2068	0	0	0
45°	40333	828	49	0	49
50°	4850	241	54	54	161
55°	661	0	120	120	270
60°	69	0	207	207	379
65°	82	82	367	367	530
70°	101	101	453	453	554
75°	0	133	599	399	599
80°	0	198	595	397	595
85°	0	395	1186	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 2.5°

Vertical Angle: 45°

Luminance: 40577 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.1	0.5
10°-20°	22.0	9.3
20°-30°	95.7	40.4
30°-40°	96.4	40.7
40°-50°	19.3	8.2
50°-60°	1.0	0.4
60°-70°	0.6	0.3
70°-80°	0.6	0.2
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°	118.8	50.1
0°-40°	215.2	90.8
0°-60°	235.5	99.4
0°-90°	237.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	237.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	8	8	8	8	8	
5°	19	14	8	5	4	3
15°	370	44	4	1	0	145
25°	1557	71	2	0	0	702
35°	1366	29	0	0	0	813
45°	166	3	0	0	0	180
55°	2	0	0	0	1	4
65°	0	0	1	1	1	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°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
2.5°	12.3	12.3	12.0	12.0	11.8	12.0	11.6	11.8	11.8	11.6	10.5
5°	18.7	19.1	18.9	18.9	18.7	18.9	18.5	18.1	17.6	17.6	14.0
7.5°	30.7	30.5	30.1	30.3	29.7	29.2	28.8	28.6	27.3	26.7	18.3
10°	58.3	59.6	58.5	58.3	54.4	54.2	51.6	47.9	44.7	43.0	24.1
12.5°	160.4	167.3	156.5	151.4	148.4	136.7	131.8	119.1	106.9	97.6	30.5
15°	370.3	387.2	365.5	367.0	349.0	315.9	286.8	261.9	232.4	202.8	43.6
17.5°	725.5	711.7	699.9	679.9	643.1	594.5	531.9	468.5	413.7	356.3	60.8
20°	1087.1	1074.9	1048.0	1004.3	957.5	885.4	811.0	715.8	623.5	537.1	72.7
21°	1211.6	1207.5	1163.4	1136.6	1064.3	995.5	909.7	807.8	704.0	601.6	74.6
22°	1322.8	1298.3	1274.6	1234.8	1163.0	1088.2	992.7	885.4	772.8	659.0	74.8
23°	1399.7	1388.6	1366.2	1321.3	1249.9	1161.9	1061.3	949.1	830.4	699.7	74.2
24°	1484.9	1470.7	1438.0	1385.6	1313.5	1226.7	1111.8	1000.5	871.5	733.8	72.5
25°	1557.1	1535.0	1496.3	1439.7	1361.0	1271.4	1155.9	1033.6	900.1	756.9	70.7
26°	1604.0	1592.0	1542.3	1480.8	1396.5	1304.1	1186.2	1058.9	918.5	767.4	67.9
27°	1652.8	1630.7	1581.9	1511.1	1419.7	1325.4	1203.4	1071.2	925.0	767.8	64.5
28°	1680.8	1656.7	1601.4	1527.0	1434.8	1337.2	1213.3	1075.1	923.7	761.2	60.4
29°	1689.6	1659.3	1605.3	1529.6	1438.5	1338.0	1211.8	1069.5	912.3	744.8	55.7
30°	1673.2	1642.3	1591.1	1517.4	1426.8	1327.3	1197.8	1051.0	892.1	721.4	51.4
31°	1637.6	1611.3	1561.9	1487.9	1401.0	1302.1	1166.2	1020.7	857.7	690.0	46.4
32°	1590.5	1564.7	1516.1	1449.2	1360.8	1261.1	1123.0	973.4	817.3	643.1	41.5
33°	1519.7	1504.9	1461.2	1397.4	1309.0	1202.4	1065.0	916.8	759.6	591.1	37.2
34°	1448.1	1429.4	1398.9	1329.0	1234.0	1127.5	989.3	838.8	689.3	532.8	33.1
35°	1365.6	1354.4	1306.4	1250.5	1155.1	1046.3	908.9	762.9	607.4	467.9	29.0
36°	1285.6	1268.4	1213.8	1154.6	1062.0	944.3	808.7	671.5	536.7	407.0	24.7
37°	1169.5	1143.2	1104.3	1042.0	933.6	833.4	709.6	582.3	449.6	341.2	20.0
38°	1032.9	1020.7	966.7	903.9	814.3	719.2	596.7	488.7	370.9	284.9	15.3
39°	871.9	871.7	820.1	774.7	687.0	601.4	490.9	396.7	306.2	229.4	11.8
40°	735.4	710.0	678.2	621.2	553.9	481.2	384.4	310.5	237.6	184.9	9.2
42.5°	385.5	383.4	364.7	321.9	284.3	241.5	192.0	160.0	125.1	101.9	5.8
45°	165.6	166.6	153.7	147.3	132.7	114.8	97.0	80.8	69.2	56.1	3.4
47.5°	41.9	40.2	39.8	41.3	41.3	40.0	35.9	33.8	31.2	28.6	1.9
50°	18.1	17.6	17.2	17.2	16.1	15.5	14.4	13.1	12.0	10.8	0.9
52.5°	6.7	6.9	7.1	6.9	6.9	6.7	6.7	6.5	5.8	5.2	0.4
55°	2.2	2.2	2.2	2.4	2.4	2.6	2.6	2.6	2.6	2.4	0.0
57.5°	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.9	0.9	0.0
60°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0
62.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.0	0.2	0.0	0.2	0.2	0.0	0.2	0.2	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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

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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	8.2	8.2	8.2	8.2	8.2	8.2
2.5°	9.5	8.4	7.1	6.0	5.8	5.6
5°	10.5	7.7	5.8	4.7	4.3	4.1
7.5°	11.4	7.1	4.7	3.4	3.0	2.8
10°	11.8	6.2	3.9	2.6	1.9	1.9
12.5°	12.0	5.4	2.8	1.7	1.1	1.1
15°	11.8	4.5	2.2	0.9	0.2	0.2
17.5°	10.8	3.7	1.3	0.2	0.0	0.0
20°	9.2	3.0	0.9	0.0	0.0	0.0
21°	8.8	2.6	0.6	0.0	0.0	0.0
22°	8.2	2.4	0.4	0.0	0.0	0.0
23°	7.5	2.2	0.4	0.0	0.0	0.0
24°	6.9	1.9	0.2	0.0	0.0	0.0
25°	6.5	1.7	0.2	0.0	0.0	0.0
26°	6.0	1.5	0.2	0.0	0.0	0.0
27°	5.4	1.3	0.0	0.0	0.0	0.0
28°	4.9	1.1	0.0	0.0	0.0	0.0
29°	4.3	0.9	0.0	0.0	0.0	0.0
30°	3.7	0.6	0.0	0.0	0.0	0.0
31°	3.0	0.6	0.0	0.0	0.0	0.0
32°	2.6	0.4	0.0	0.0	0.0	0.0
33°	2.2	0.4	0.0	0.0	0.0	0.0
34°	1.9	0.4	0.0	0.0	0.0	0.0
35°	1.7	0.4	0.0	0.0	0.0	0.0
36°	1.3	0.2	0.0	0.0	0.0	0.0
37°	1.1	0.2	0.0	0.0	0.0	0.0
38°	0.9	0.2	0.0	0.0	0.0	0.0
39°	0.6	0.0	0.0	0.0	0.0	0.0
40°	0.6	0.0	0.0	0.0	0.0	0.0
42.5°	0.2	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.2	0.0	0.0	0.2	0.2
47.5°	0.0	0.2	0.0	0.0	0.2	0.4
50°	0.0	0.2	0.2	0.2	0.4	0.6
52.5°	0.0	0.4	0.2	0.2	0.6	0.6
55°	0.2	0.4	0.2	0.4	0.9	0.9
57.5°	0.2	0.4	0.4	0.6	0.9	1.1
60°	0.4	0.6	0.6	0.6	1.1	1.1
62.5°	0.4	0.6	0.9	0.9	1.1	1.3
65°	0.4	0.9	0.9	0.9	1.1	1.3
67.5°	0.6	0.9	0.9	0.9	1.1	1.3
70°	0.6	0.9	0.9	0.9	1.1	1.1
72.5°	0.6	0.9	0.6	0.9	0.9	1.1
75°	0.6	0.9	0.6	0.6	0.9	0.9
77.5°	0.4	0.6	0.6	0.4	0.6	0.6
80°	0.4	0.6	0.4	0.4	0.6	0.6



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.4	0.6	0.4	0.2	0.4	0.4
85°	0.4	0.6	0.4	0.2	0.2	0.2
87.5°	0.4	0.6	0.4	0.2	0.0	0.2
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)