

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: P1307712

Luminaire Tested: P3SQAS05R409030DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307712
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-52)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R409030DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

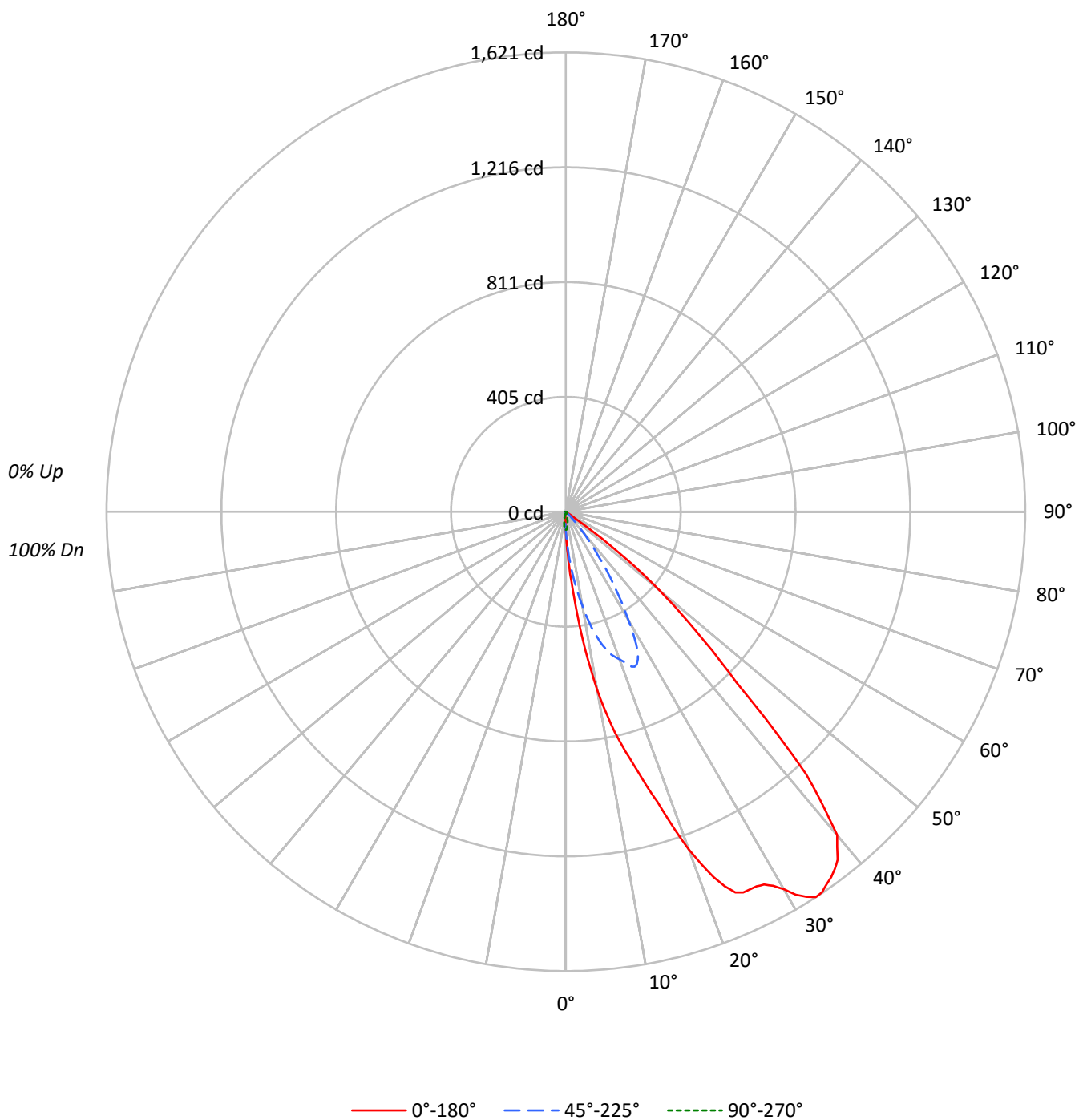
Lumens per Lamp: N/A
Luminaire Lumens: 544.0 lumens
Efficiency: N/A
Efficacy: 75.6 lumens/watt
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	86	84	83		
3	99	91	85	80	97	90	84	80	87	82	78	84	81	77	82	79	76	74		
4	92	83	77	72	90	82	76	71	80	74	70	78	73	69	76	72	68	67		
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60		
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49		
8	70	59	51	47	69	58	51	46	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	51	45	42	40		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	10953	10953	10953	10953	10953
5°	46505	31706	9612	1729	864
10°	111800	58969	5963	175	0
15°	164533	85672	2496	0	0
20°	232577	101553	916	0	0
25°	281696	112724	0	0	0
30°	305855	88177	0	0	0
35°	337275	51615	0	0	0
40°	334758	20953	0	0	0
45°	207318	6089	0	0	0
50°	115451	134	0	0	0
55°	11290	0	0	0	0
60°	0	0	172	0	0
65°	0	0	204	0	0
70°	0	252	504	0	0
75°	0	333	665	0	0
80°	0	496	992	0	0
85°	0	988	1976	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 208292 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.9	2.2
10°-20°	70.1	12.9
20°-30°	160.1	29.4
30°-40°	189.0	34.7
40°-50°	101.0	18.6
50°-60°	11.0	2.0
60°-70°	0.2	0.0
70°-80°	0.4	0.1
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°	242.1	44.5
0°-40°	431.1	79.2
0°-60°	543.0	99.8
0°-90°	544.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	544.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	64	64	64	64	64	
5°	269	183	56	10	5	38
15°	923	480	14	0	0	274
25°	1482	593	0	0	0	673
35°	1604	246	0	0	0	991
45°	851	25	0	0	0	702
55°	38	0	0	0	0	105
65°	0	0	0	0	0	0
75°	0	0	1	0	0	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°	45°	67.5°	90°
0°	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
2.5°	148.3	145.3	147.3	143.3	143.3	134.3	134.8	127.3	116.2	88.7	63.1
5°	269.0	281.1	271.5	259.0	252.0	243.0	231.0	218.4	183.4	110.7	55.6
7.5°	450.4	449.4	433.4	419.8	404.3	380.3	357.7	327.1	261.0	126.8	46.1
10°	639.3	635.8	617.7	606.2	576.6	542.1	496.0	446.9	337.2	132.3	34.1
12.5°	796.6	792.1	777.0	757.5	724.9	681.4	631.8	567.1	417.3	126.3	22.0
15°	922.8	921.8	907.3	880.7	846.7	804.1	748.0	670.3	480.5	110.7	14.0
17.5°	1072.6	1078.6	1052.6	1024.0	974.9	915.3	846.7	758.0	527.0	91.7	9.0
20°	1269.0	1260.5	1236.5	1194.9	1147.8	1076.1	978.9	852.2	554.1	71.1	5.0
21°	1329.1	1325.6	1300.6	1262.0	1209.9	1137.3	1037.1	900.3	566.6	63.6	4.0
22°	1390.3	1384.2	1364.7	1327.1	1278.0	1195.9	1085.7	949.9	582.7	55.6	2.5
23°	1435.8	1433.3	1418.3	1381.2	1330.6	1251.0	1138.3	996.0	593.7	48.1	1.5
24°	1470.9	1467.9	1452.9	1424.8	1381.2	1298.1	1191.4	1045.6	598.2	41.6	0.5
25°	1482.4	1483.9	1474.9	1452.9	1416.3	1333.1	1230.9	1084.7	593.2	35.6	0.0
26°	1482.9	1487.4	1480.9	1468.4	1438.4	1361.2	1268.0	1107.7	580.2	30.1	0.0
27°	1482.9	1487.4	1480.9	1471.4	1441.9	1377.2	1288.1	1110.2	560.1	25.6	0.0
28°	1490.0	1492.5	1483.9	1472.4	1440.4	1382.2	1293.6	1095.2	528.0	22.0	0.0
29°	1509.5	1507.0	1493.0	1477.4	1438.9	1382.2	1277.0	1066.6	488.0	18.5	0.0
30°	1538.0	1538.0	1516.0	1491.5	1445.9	1381.7	1250.5	1015.0	443.4	15.0	0.0
31°	1576.6	1573.1	1551.1	1514.5	1460.9	1381.7	1211.4	957.9	402.3	13.0	0.0
32°	1602.7	1600.7	1579.6	1536.5	1485.4	1381.7	1169.3	894.8	357.7	10.5	0.0
33°	1620.7	1616.7	1592.7	1548.1	1500.5	1374.7	1122.2	827.1	317.6	8.5	0.0
34°	1618.2	1617.2	1592.2	1546.1	1497.5	1345.7	1067.6	752.0	280.6	7.0	0.0
35°	1604.2	1604.2	1573.6	1526.0	1475.9	1303.1	1013.5	687.9	245.5	5.0	0.0
36°	1593.7	1589.7	1555.1	1502.0	1439.9	1236.0	933.4	623.2	207.9	4.0	0.0
37°	1578.1	1570.6	1532.0	1474.9	1388.8	1163.3	849.2	565.6	175.8	2.5	0.0
38°	1558.1	1546.6	1499.5	1443.4	1332.6	1079.6	763.5	501.0	146.3	1.5	0.0
39°	1521.5	1512.0	1463.4	1402.8	1265.5	991.5	680.3	440.4	118.2	0.5	0.0
40°	1489.0	1472.4	1417.3	1347.7	1186.9	891.8	597.7	380.8	93.2	0.0	0.0
42.5°	1255.5	1238.0	1225.4	1156.3	945.4	640.3	417.3	244.0	48.6	0.0	0.0
45°	851.2	855.2	816.1	769.5	623.7	417.3	261.0	135.8	25.0	0.0	0.0
47.5°	620.7	610.2	557.1	468.9	365.7	244.0	136.3	65.6	10.0	0.0	0.0
50°	430.9	410.8	362.7	296.6	198.9	116.2	60.1	30.6	0.5	0.0	0.0
52.5°	234.0	219.9	186.4	135.3	82.7	44.6	24.0	12.5	0.0	0.0	0.0
55°	37.6	26.1	27.1	23.0	18.0	13.0	7.5	1.5	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.5	0.5
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.0	1.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.0	1.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.0	1.0
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):

	112.5°	135°	157.5°	180°
0°	63.6	63.6	63.6	63.6
2.5°	42.6	29.1	22.0	19.0
5°	24.5	10.0	5.5	5.0
7.5°	12.0	3.5	2.0	2.0
10°	5.0	1.0	0.0	0.0
12.5°	1.5	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.5	0.0	0.0	0.0
67.5°	0.5	0.0	0.0	0.0
70°	0.5	0.0	0.0	0.0
72.5°	0.5	0.0	0.0	0.0
75°	0.5	0.0	0.0	0.0
77.5°	0.5	0.0	0.0	0.0
80°	0.5	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.5	0.0	0.0	0.0
85°	0.5	0.0	0.0	0.0
87.5°	0.5	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)