

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: P1315059

Luminaire Tested: P3SQAS05R409740DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315059
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: P3SQAS05R409740DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

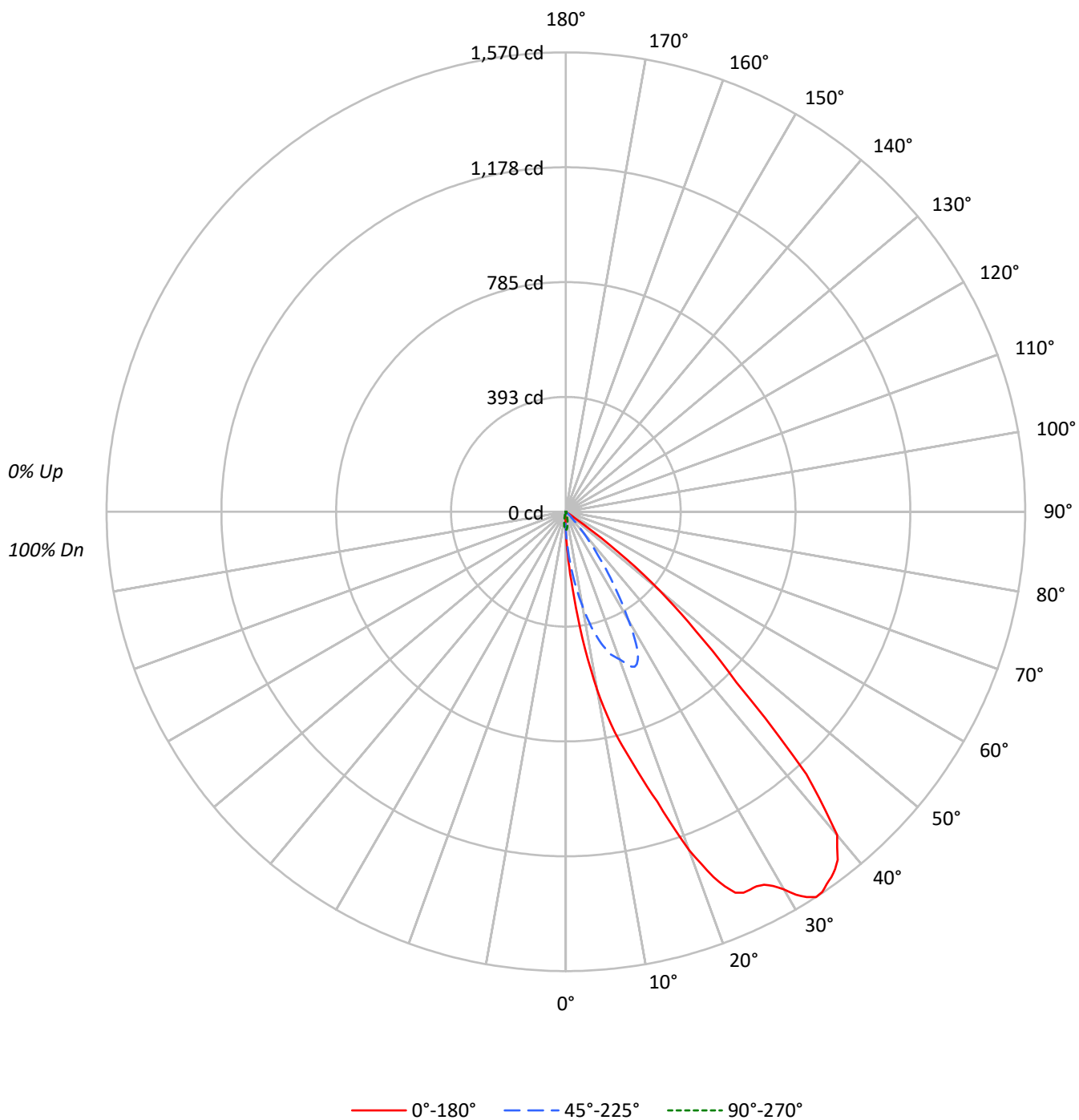
Lumens per Lamp: N/A
Luminaire Lumens: 527.0 lumens
Efficiency: N/A
Efficacy: 73.2 lumens/watt
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	10609	10609	10609	10609	10609
5°	45053	30704	9318	1677	847
10°	108303	57116	5771	175	0
15°	159398	82980	2425	0	0
20°	225319	98382	898	0	0
25°	272897	109189	0	0	0
30°	296310	85413	0	0	0
35°	326721	49996	0	0	0
40°	324281	20301	0	0	0
45°	200839	5918	0	0	0
50°	111834	134	0	0	0
55°	10930	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: 201789 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.5	2.2
10°-20°	67.9	12.9
20°-30°	155.1	29.4
30°-40°	183.1	34.7
40°-50°	97.8	18.6
50°-60°	10.6	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°	234.5	44.5
0°-40°	417.6	79.2
0°-60°	526.1	99.8
0°-90°	527.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	527.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	62	62	62	62	62	
5°	261	178	54	10	5	37
15°	894	465	14	0	0	266
25°	1436	575	0	0	0	652
35°	1554	238	0	0	0	960
45°	825	24	0	0	0	680
55°	36	0	0	0	0	102
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°	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
2.5°	143.7	140.7	142.7	138.8	138.8	130.1	130.6	123.3	112.6	85.9	61.2
5°	260.6	272.3	263.1	250.9	244.1	235.4	223.7	211.6	177.6	107.3	53.9
7.5°	436.3	435.3	419.8	406.7	391.7	368.4	346.5	316.9	252.9	122.8	44.7
10°	619.3	615.9	598.4	587.3	558.6	525.1	480.5	432.9	326.6	128.1	33.0
12.5°	771.7	767.3	752.8	733.8	702.3	660.1	612.0	549.4	404.3	122.3	21.4
15°	894.0	893.0	878.9	853.2	820.2	779.0	724.6	649.4	465.4	107.3	13.6
17.5°	1039.1	1044.9	1019.7	992.0	944.5	886.7	820.2	734.3	510.6	88.8	8.7
20°	1229.4	1221.1	1197.8	1157.5	1111.9	1042.5	948.3	825.6	536.8	68.9	4.9
21°	1287.6	1284.2	1259.9	1222.6	1172.1	1101.7	1004.6	872.2	548.9	61.6	3.9
22°	1346.8	1341.0	1322.1	1285.7	1238.1	1158.5	1051.7	920.2	564.4	53.9	2.4
23°	1391.0	1388.5	1374.0	1338.1	1289.1	1211.9	1102.7	964.9	575.1	46.6	1.5
24°	1424.9	1422.0	1407.5	1380.3	1338.1	1257.5	1154.1	1012.9	579.5	40.3	0.5
25°	1436.1	1437.6	1428.8	1407.5	1372.0	1291.5	1192.5	1050.8	574.6	34.5	0.0
26°	1436.6	1441.0	1434.7	1422.5	1393.4	1318.7	1228.4	1073.1	562.0	29.1	0.0
27°	1436.6	1441.0	1434.7	1425.4	1396.8	1334.2	1247.8	1075.5	542.6	24.8	0.0
28°	1443.4	1445.8	1437.6	1426.4	1395.3	1339.0	1253.1	1060.9	511.5	21.4	0.0
29°	1462.3	1459.9	1446.3	1431.3	1393.9	1339.0	1237.1	1033.3	472.7	18.0	0.0
30°	1490.0	1490.0	1468.6	1444.8	1400.7	1338.6	1211.4	983.3	429.5	14.6	0.0
31°	1527.4	1524.0	1502.6	1467.2	1415.2	1338.6	1173.5	928.0	389.7	12.6	0.0
32°	1552.6	1550.7	1530.3	1488.5	1439.0	1338.6	1132.8	866.8	346.5	10.2	0.0
33°	1570.1	1566.2	1542.9	1499.7	1453.6	1331.8	1087.2	801.3	307.7	8.3	0.0
34°	1567.6	1566.7	1542.4	1497.8	1450.7	1303.6	1034.3	728.5	271.8	6.8	0.0
35°	1554.0	1554.0	1524.4	1478.3	1429.8	1262.4	981.8	666.4	237.8	4.9	0.0
36°	1543.9	1540.0	1506.5	1455.0	1394.9	1197.3	904.2	603.8	201.4	3.9	0.0
37°	1528.8	1521.5	1484.2	1428.8	1345.4	1127.0	822.6	547.9	170.4	2.4	0.0
38°	1509.4	1498.2	1452.6	1398.3	1291.0	1045.9	739.7	485.3	141.7	1.5	0.0
39°	1474.0	1464.7	1417.7	1358.9	1226.0	960.5	659.1	426.6	114.5	0.5	0.0
40°	1442.4	1426.4	1373.0	1305.6	1149.8	863.9	579.0	368.9	90.3	0.0	0.0
42.5°	1216.3	1199.3	1187.1	1120.2	915.8	620.3	404.3	236.4	47.1	0.0	0.0
45°	824.6	828.5	790.6	745.5	604.2	404.3	252.9	131.5	24.3	0.0	0.0
47.5°	601.3	591.1	539.7	454.3	354.3	236.4	132.0	63.6	9.7	0.0	0.0
50°	417.4	398.0	351.4	287.3	192.7	112.6	58.2	29.6	0.5	0.0	0.0
52.5°	226.7	213.1	180.5	131.0	80.1	43.2	23.3	12.1	0.0	0.0	0.0
55°	36.4	25.2	26.2	22.3	17.5	12.6	7.3	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°	61.6	61.6	61.6	61.6
2.5°	41.3	28.1	21.4	18.4
5°	23.8	9.7	5.3	4.9
7.5°	11.6	3.4	1.9	1.9
10°	4.9	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)