

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: P1306947

Luminaire Tested: P3SQAS13R559027DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306947
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-66)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R559027DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

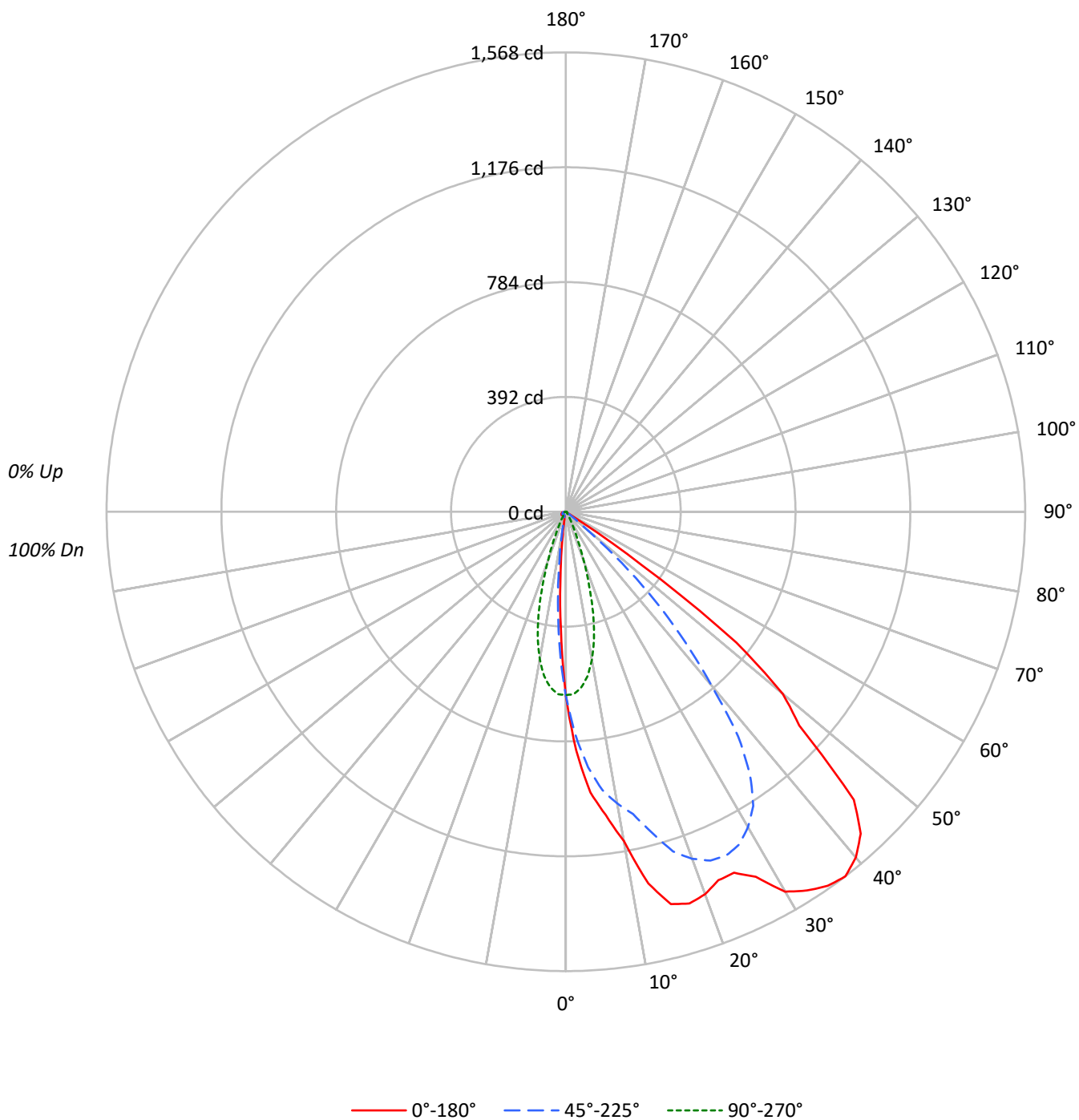
Lumens per Lamp: N/A
Luminaire Lumens: 1044.0 lumens
Efficiency: N/A
Efficacy: 71.5 lumens/watt
Spacing Criteria (0/90/45): 1.79 / 0.55 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91		
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	81		
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	73		
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	65		
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59		
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	107760	107760	107760	107760	107760
5°	166190	151288	104109	53455	35112
10°	199660	176838	89608	13483	5386
15°	247228	201958	64027	3726	2906
20°	254625	231019	33081	2493	2493
25°	258322	246085	13264	2242	2584
30°	297742	247250	5767	2347	2705
35°	327751	230513	2481	2481	3049
40°	346201	173494	1416	2855	3260
45°	338597	106021	1315	3093	3970
50°	259009	22587	1447	3644	4608
55°	95033	811	1621	4084	5164
60°	930	930	1860	4684	5924
65°	1100	1100	2201	4809	6276
70°	906	1360	2266	5489	7301
75°	599	1198	2396	6055	8451
80°	893	1785	2678	6248	9025
85°	0	1778	3557	7114	8892

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 338597 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.1	5.3
10°-20°	157.8	15.1
20°-30°	242.0	23.2
30°-40°	282.0	27.0
40°-50°	225.3	21.6
50°-60°	66.7	6.4
60°-70°	7.1	0.7
70°-80°	5.6	0.5
80°-90°	2.4	0.2
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°	454.8	43.6
0°-40°	736.8	70.6
0°-60°	1028.9	98.6
0°-90°	1044.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1044.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	626	626	626	626	626	
5°	961	875	602	309	203	96
15°	1387	1133	359	21	16	383
25°	1359	1295	70	12	14	646
35°	1559	1096	12	12	14	971
45°	1390	435	5	13	16	1002
55°	316	3	5	14	17	335
65°	3	3	5	12	15	2
75°	1	2	4	9	13	1
85°	0	1	2	4	4	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	625.7	625.7	625.7	625.7	625.7	625.7	625.7	625.7	625.7	625.7	625.7
2.5°	816.2	816.2	813.5	814.4	812.6	802.6	800.8	788.1	777.2	765.4	755.4
5°	961.3	963.1	960.4	954.9	947.7	940.4	925.0	913.2	897.8	875.1	854.3
7.5°	1043.8	1042.0	1037.5	1035.6	1031.1	1022.9	1012.1	999.4	981.2	958.6	934.1
10°	1141.7	1126.3	1121.8	1114.5	1100.0	1083.7	1064.7	1047.4	1032.0	1011.2	984.9
12.5°	1299.5	1296.8	1278.7	1265.1	1245.1	1208.9	1176.2	1138.1	1092.8	1056.5	1022.0
15°	1386.6	1388.4	1380.3	1369.4	1356.7	1326.7	1294.1	1249.7	1196.2	1132.7	1076.5
17.5°	1402.0	1404.7	1400.2	1395.7	1392.0	1374.8	1354.9	1323.1	1274.1	1215.2	1131.8
20°	1389.3	1394.8	1395.7	1401.1	1408.4	1401.1	1384.8	1363.0	1322.2	1260.5	1180.7
22.5°	1361.2	1371.2	1378.4	1397.5	1416.5	1416.5	1406.5	1389.3	1349.4	1288.7	1207.0
25°	1359.4	1361.2	1363.9	1394.8	1424.7	1431.0	1422.0	1403.8	1360.3	1295.0	1206.1
27.5°	1404.7	1392.9	1374.8	1405.6	1441.0	1446.5	1433.8	1409.3	1357.6	1280.5	1175.3
30°	1497.2	1470.9	1432.8	1455.5	1480.0	1473.7	1448.3	1409.3	1339.4	1243.3	1117.3
32.5°	1532.6	1518.1	1504.5	1529.0	1533.5	1507.2	1461.9	1403.8	1310.4	1190.7	1022.0
35°	1558.9	1559.8	1554.4	1558.9	1537.1	1500.0	1450.1	1373.9	1256.0	1096.4	896.0
37.5°	1568.0	1569.8	1558.0	1541.7	1509.0	1466.4	1406.5	1319.5	1165.3	966.7	705.5
40°	1539.9	1534.4	1515.4	1492.7	1457.3	1413.8	1348.5	1218.8	1030.2	771.7	550.5
42.5°	1490.0	1480.9	1458.2	1431.0	1393.9	1338.5	1234.2	1077.4	837.0	602.2	385.4
45°	1390.2	1383.9	1355.8	1335.8	1291.4	1219.7	1085.5	887.8	647.5	435.3	223.1
47.5°	1080.1	1081.0	1102.7	1112.7	1097.3	1040.2	882.4	674.7	472.5	259.4	75.3
50°	966.7	962.2	940.4	910.5	860.6	775.4	647.5	477.0	279.3	84.3	10.9
52.5°	733.7	733.7	722.8	707.4	654.8	572.2	438.0	263.9	97.9	14.5	2.7
55°	316.5	300.2	309.2	326.5	312.9	272.1	205.0	78.9	17.2	2.7	2.7
57.5°	4.5	10.9	16.3	26.3	35.4	42.6	22.7	8.2	2.7	2.7	2.7
60°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
62.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
65°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
67.5°	1.8	1.8	1.8	2.7	1.8	2.7	2.7	2.7	2.7	2.7	2.7
70°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7	2.7
72.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
75°	0.9	0.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
77.5°	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8	1.8	1.8	1.8
80°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8	1.8
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8
85°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9
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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	625.7	625.7	625.7	625.7	625.7	625.7	625.7	625.7
2.5°	740.9	725.5	700.1	623.0	543.2	469.8	417.2	397.2
5°	830.7	802.6	760.0	602.2	443.5	309.2	233.1	203.1
7.5°	901.4	865.2	803.5	565.9	325.6	165.0	98.8	78.0
10°	948.6	908.7	828.0	512.4	215.8	77.1	37.2	30.8
12.5°	983.0	933.2	837.0	443.5	127.0	35.4	20.0	18.1
15°	1008.4	944.0	826.2	359.1	69.8	20.9	16.3	16.3
17.5°	1043.8	949.5	799.9	264.8	39.9	15.4	15.4	15.4
20°	1071.0	949.5	750.0	180.5	24.5	13.6	13.6	13.6
22.5°	1084.6	935.0	689.2	114.3	17.2	12.7	13.6	13.6
25°	1071.0	899.6	611.2	69.8	13.6	11.8	12.7	13.6
27.5°	1021.1	828.9	506.9	44.4	10.9	11.8	12.7	13.6
30°	937.7	726.4	389.0	29.0	10.0	11.8	12.7	13.6
32.5°	819.8	574.0	252.1	19.0	9.1	11.8	12.7	13.6
35°	640.2	406.3	152.4	11.8	9.1	11.8	13.6	14.5
37.5°	479.7	271.2	82.5	7.3	9.1	11.8	13.6	14.5
40°	332.8	157.8	35.4	6.3	9.1	12.7	14.5	14.5
42.5°	193.2	62.6	9.1	5.4	9.1	12.7	14.5	15.4
45°	70.7	12.7	2.7	5.4	10.0	12.7	14.5	16.3
47.5°	10.0	2.7	2.7	5.4	10.0	12.7	15.4	16.3
50°	2.7	2.7	2.7	5.4	10.0	13.6	16.3	17.2
52.5°	2.7	2.7	2.7	5.4	10.0	13.6	16.3	17.2
55°	2.7	2.7	2.7	5.4	10.0	13.6	16.3	17.2
57.5°	2.7	2.7	2.7	5.4	10.0	13.6	16.3	17.2
60°	2.7	2.7	2.7	5.4	9.1	13.6	16.3	17.2
62.5°	2.7	2.7	2.7	5.4	9.1	12.7	15.4	16.3
65°	2.7	2.7	2.7	5.4	8.2	11.8	15.4	15.4
67.5°	2.7	2.7	2.7	4.5	8.2	11.8	14.5	15.4
70°	2.7	2.7	2.7	4.5	7.3	10.9	13.6	14.5
72.5°	2.7	2.7	2.7	3.6	6.3	10.0	12.7	13.6
75°	1.8	2.7	2.7	3.6	6.3	9.1	11.8	12.7
77.5°	1.8	2.7	2.7	2.7	5.4	7.3	10.0	10.9
80°	1.8	1.8	2.7	2.7	4.5	6.3	8.2	9.1
82.5°	1.8	1.8	1.8	2.7	3.6	4.5	6.3	6.3
85°	1.8	1.8	1.8	1.8	2.7	3.6	4.5	4.5
87.5°	0.9	0.9	1.8	1.8	1.8	1.8	1.8	1.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)