

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: P1314438

Luminaire Tested: P3SQAS13R559735DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314438
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R559735DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 97CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

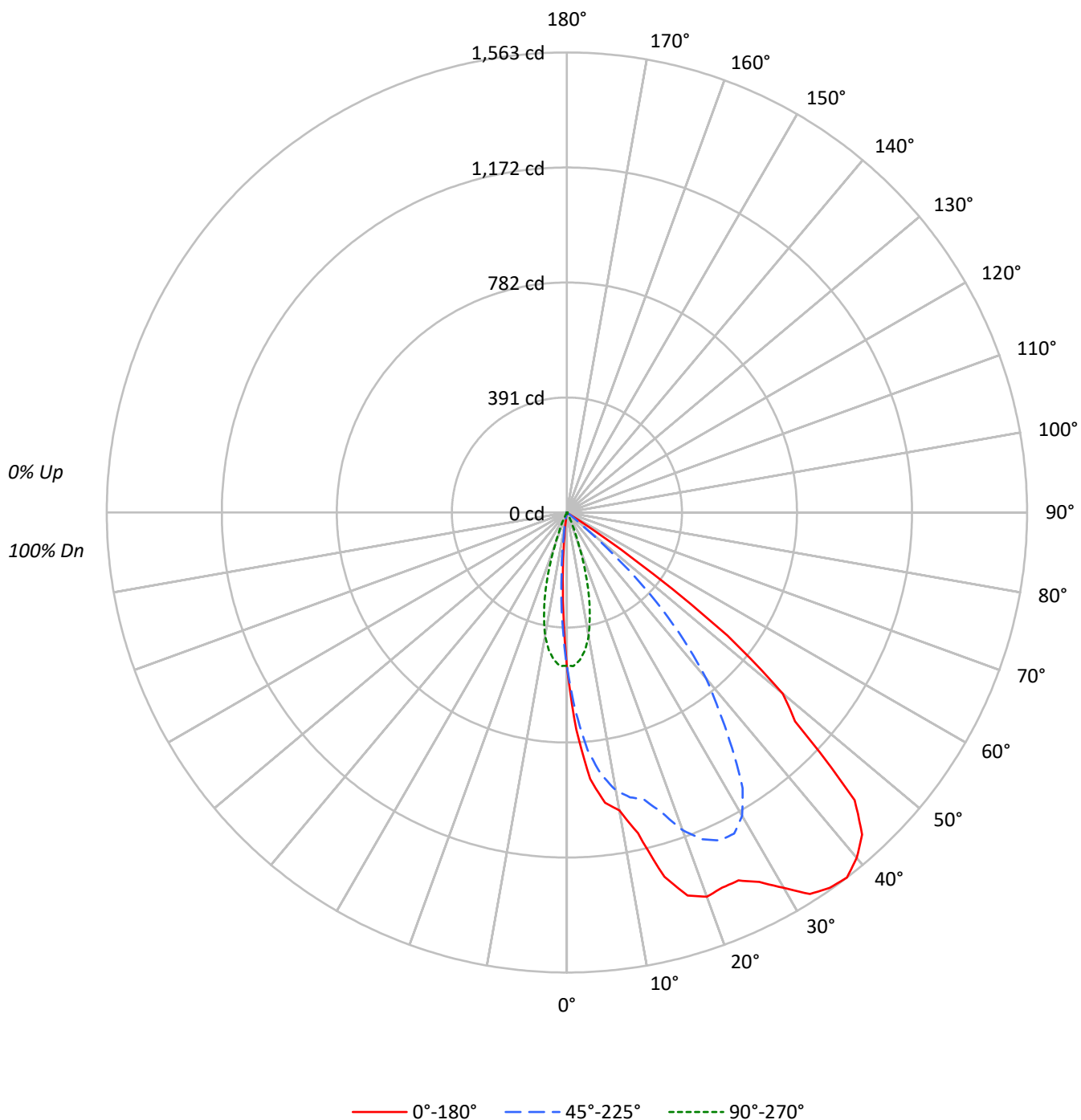
Lumens per Lamp: N/A
Luminaire Lumens: 963.0 lumens
Efficiency: N/A
Efficacy: 66.0 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82		
3	98	91	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73		
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66		
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59		
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	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	56	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	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°	89625	89625	89625	89625	89625
5°	157079	140033	86993	36149	20815
10°	179794	167604	74376	3952	1417
15°	228489	179921	50993	802	481
20°	254588	210474	22396	0	0
25°	262085	233543	6366	0	0
30°	292810	236650	895	0	0
35°	327267	205493	0	0	0
40°	344245	165401	0	0	0
45°	336575	104487	0	0	0
50°	256303	21327	0	0	0
55°	83953	0	0	0	0
60°	0	0	0	0	0
65°	0	367	367	0	0
70°	0	453	453	0	0
75°	0	599	599	0	0
80°	0	893	1785	893	0
85°	0	1778	1778	1778	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 336575 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.5	4.9
10°-20°	139.3	14.5
20°-30°	226.6	23.5
30°-40°	269.3	28.0
40°-50°	220.2	22.9
50°-60°	58.4	6.1
60°-70°	0.4	0.0
70°-80°	0.6	0.1
80°-90°	0.7	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°	413.5	42.9
0°-40°	682.8	70.9
0°-60°	961.4	99.8
0°-90°	963.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	963.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	520	520	520	520	520	
5°	909	810	503	209	120	89
15°	1282	1009	286	4	3	358
25°	1379	1229	34	0	0	649
35°	1557	977	0	0	0	968
45°	1382	429	0	0	0	992
55°	280	0	0	0	0	314
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	0	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°	520.4	520.4	520.4	520.4	520.4	520.4	520.4	520.4	520.4	520.4	520.4
2.5°	738.5	733.0	733.9	731.2	733.9	722.2	709.5	697.7	688.7	676.0	599.1
5°	908.6	899.5	896.8	893.2	889.6	875.1	863.4	848.9	831.7	810.0	668.8
7.5°	994.6	987.3	983.7	985.5	977.4	971.9	956.6	940.3	922.2	898.6	721.3
10°	1028.1	1020.8	1019.9	1019.0	1018.1	1014.5	1007.2	992.8	976.5	958.4	751.1
12.5°	1115.8	1099.6	1088.7	1076.0	1060.6	1040.7	1024.4	1011.8	1005.4	991.0	764.7
15°	1281.5	1266.1	1254.3	1238.0	1209.1	1166.5	1127.6	1077.8	1034.4	1009.1	759.3
17.5°	1364.7	1357.5	1347.5	1336.7	1316.7	1286.0	1246.2	1193.7	1138.5	1067.0	733.0
20°	1389.1	1385.5	1378.3	1373.8	1360.2	1338.5	1311.3	1270.6	1219.0	1148.4	692.3
22.5°	1379.2	1381.9	1385.5	1397.3	1399.1	1383.7	1358.4	1319.5	1267.0	1201.8	629.9
25°	1379.2	1377.4	1377.4	1401.8	1417.2	1410.0	1391.9	1356.6	1303.2	1229.0	552.9
27.5°	1414.5	1403.6	1381.0	1406.3	1431.7	1429.0	1412.7	1371.0	1311.3	1229.9	458.8
30°	1472.4	1448.9	1411.8	1435.3	1458.8	1448.9	1422.6	1369.2	1293.2	1190.0	343.9
32.5°	1536.7	1525.8	1506.8	1522.2	1518.6	1478.7	1431.7	1357.5	1256.1	1110.4	231.7
35°	1556.6	1558.4	1545.7	1543.0	1522.2	1481.5	1431.7	1324.0	1178.3	977.4	137.6
37.5°	1562.9	1563.8	1543.9	1518.6	1487.8	1439.8	1380.1	1255.2	1034.4	848.9	73.3
40°	1531.2	1530.3	1497.7	1467.0	1432.6	1385.5	1298.6	1110.4	897.7	735.7	26.2
42.5°	1484.2	1472.4	1441.6	1403.6	1362.0	1303.2	1167.4	937.6	780.1	589.1	1.8
45°	1381.9	1371.0	1346.6	1305.9	1259.7	1176.5	962.0	805.4	634.4	429.0	0.0
47.5°	1050.7	1045.3	1070.6	1076.0	1075.1	980.1	802.7	657.0	466.1	249.8	0.0
50°	956.6	949.3	924.0	891.4	833.5	753.8	643.4	486.9	273.3	79.6	0.0
52.5°	686.9	710.4	715.8	691.4	637.1	558.4	443.4	280.5	95.0	0.0	0.0
55°	279.6	265.2	276.0	289.6	300.5	276.0	204.5	99.5	0.9	0.0	0.0
57.5°	0.0	0.9	5.4	12.7	20.8	26.2	28.1	1.8	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.9	0.9	0.9
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	1.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	1.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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):

	90°	112.5°	135°	157.5°	180°
0°	520.4	520.4	520.4	520.4	520.4
2.5°	522.2	441.6	363.8	321.3	300.5
5°	503.2	337.6	209.1	144.8	120.4
7.5°	471.5	231.7	83.3	34.4	24.4
10°	425.3	133.0	22.6	9.0	8.1
12.5°	359.3	60.6	8.1	6.3	6.3
15°	286.0	20.8	4.5	3.6	2.7
17.5°	200.9	5.4	1.8	0.0	0.0
20°	122.2	0.9	0.0	0.0	0.0
22.5°	67.9	0.0	0.0	0.0	0.0
25°	33.5	0.0	0.0	0.0	0.0
27.5°	14.5	0.0	0.0	0.0	0.0
30°	4.5	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	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°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.9	0.0	0.0	0.0	0.0
65°	0.9	0.9	0.0	0.0	0.0
67.5°	0.9	0.9	0.0	0.0	0.0
70°	0.9	0.9	0.0	0.0	0.0
72.5°	0.9	0.9	0.0	0.0	0.0
75°	0.9	0.9	0.0	0.0	0.0
77.5°	1.8	0.9	0.9	0.0	0.0
80°	1.8	0.9	0.9	0.0	0.0
82.5°	1.8	0.9	0.9	0.0	0.0
85°	0.9	0.9	0.9	0.0	0.0
87.5°	1.8	0.9	0.9	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)