

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: P1309005

Luminaire Tested: P3SQAS09R509035DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309005
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-53)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R509035DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

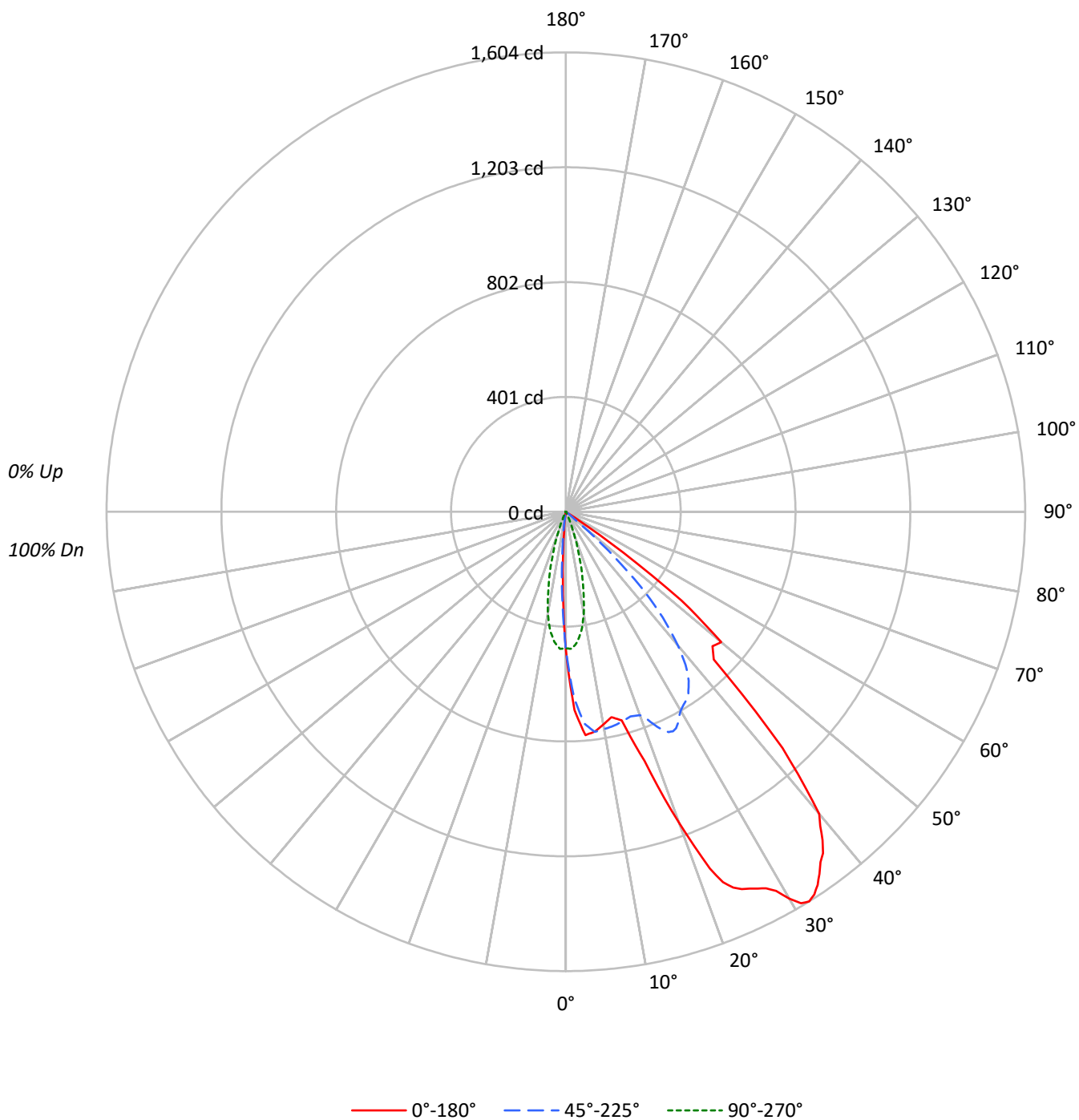
Lumens per Lamp: N/A
Luminaire Lumens: 768.1 lumens
Efficiency: N/A
Efficacy: 69.2 lumens/watt
Spacing Criteria (0/90/45): 1.8 / 0.48 / 1.24
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82		
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	74		
4	92	83	76	71	90	81	75	70	79	74	70	77	72	69	75	71	68	66		
5	86	76	68	63	84	75	68	63	73	67	62	71	66	62	69	65	61	59		
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54		
7	75	64	56	51	73	63	56	51	61	55	51	60	55	50	59	54	50	48		
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44		
9	66	54	47	42	64	54	47	42	53	46	42	52	46	42	51	45	42	40		
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	82116	82116	82116	82116	82116
5°	135314	128416	78920	23443	11721
10°	131877	134762	63236	1189	1574
15°	134455	135257	37870	1212	410
20°	211921	138483	15597	0	0
25°	276280	161333	3725	0	0
30°	310091	159550	159	0	0
35°	324513	157116	0	0	0
40°	309578	136511	0	0	0
45°	177774	90093	0	0	0
50°	189722	10289	0	0	0
55°	54047	0	0	0	0
60°	0	0	276	0	0
65°	0	326	326	0	0
70°	0	403	403	0	0
75°	0	532	532	0	0
80°	0	793	1488	793	0
85°	0	1581	2964	1581	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°

Vertical Angle: 45°

Luminance: 196309 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.0	5.2
10°-20°	100.9	13.1
20°-30°	193.8	25.2
30°-40°	225.6	29.4
40°-50°	161.4	21.0
50°-60°	44.9	5.8
60°-70°	0.3	0.0
70°-80°	0.5	0.1
80°-90°	0.6	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°	334.7	43.6
0°-40°	560.3	73.0
0°-60°	766.7	99.8
0°-90°	768.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	768.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	477	477	477	477	477	
5°	783	743	456	136	68	72
15°	754	759	212	7	2	243
25°	1454	849	20	0	0	661
35°	1544	747	0	0	0	955
45°	730	370	0	0	0	686
55°	180	0	0	0	0	227
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	2	1	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°	476.8	476.8	476.8	476.8	476.8	476.8	476.8	476.8	476.8	476.8	476.8
2.5°	693.0	696.8	697.6	688.5	690.0	677.2	678.0	668.9	647.1	571.0	479.1
5°	782.7	780.4	782.7	779.7	782.7	775.1	770.6	766.9	742.8	635.0	456.5
7.5°	774.4	771.4	775.9	777.4	782.7	780.4	781.2	783.4	775.1	669.7	418.1
10°	754.1	753.3	755.6	755.6	761.6	762.3	765.4	769.9	770.6	681.7	361.6
12.5°	734.5	732.2	732.2	731.5	734.5	733.7	741.2	751.8	766.1	674.2	284.0
15°	754.1	751.8	748.8	740.5	734.5	727.7	728.4	735.2	758.6	654.6	212.4
17.5°	912.2	900.2	885.1	858.8	830.9	782.7	754.1	736.0	749.5	624.5	141.6
20°	1156.3	1151.0	1126.9	1084.0	1038.8	968.0	879.9	809.0	755.6	586.8	85.1
21°	1249.0	1246.0	1220.3	1180.4	1129.2	1043.3	952.9	867.8	767.6	571.0	67.0
22°	1343.9	1332.6	1312.2	1267.8	1214.3	1128.4	1027.5	933.3	791.7	550.7	51.2
23°	1404.9	1398.1	1376.3	1340.9	1289.6	1206.0	1102.8	1000.4	815.1	528.1	38.4
24°	1436.5	1434.3	1417.0	1392.1	1348.4	1263.3	1165.4	1059.9	834.7	501.7	27.9
25°	1453.9	1446.3	1435.8	1417.7	1384.6	1310.7	1223.4	1111.9	849.0	475.3	19.6
26°	1464.4	1459.9	1443.3	1427.5	1395.9	1335.6	1261.0	1143.5	852.7	442.9	13.6
27°	1476.5	1465.9	1450.1	1431.3	1395.9	1343.1	1275.3	1157.1	848.2	409.8	9.0
28°	1489.3	1481.7	1459.9	1435.8	1393.6	1343.1	1270.1	1139.0	834.7	378.2	5.3
29°	1514.1	1504.3	1477.2	1441.8	1394.4	1341.6	1249.7	1101.3	816.6	342.8	3.0
30°	1559.3	1539.0	1505.8	1456.1	1399.6	1338.6	1215.8	1044.8	802.3	302.8	0.8
31°	1594.7	1583.4	1545.0	1482.5	1414.7	1330.3	1175.9	989.1	792.5	268.2	0.0
32°	1604.5	1596.2	1568.4	1509.6	1440.3	1323.5	1130.7	934.8	784.9	229.8	0.0
33°	1593.2	1588.0	1558.6	1505.1	1447.1	1314.5	1078.7	881.4	776.6	195.1	0.0
34°	1572.1	1565.4	1539.7	1485.5	1429.8	1275.3	1029.0	840.7	764.6	162.7	0.0
35°	1543.5	1538.2	1511.9	1458.4	1398.1	1214.3	979.3	813.6	747.3	130.3	0.0
36°	1512.6	1511.1	1477.2	1424.5	1357.4	1155.6	919.0	793.2	729.9	103.2	0.0
37°	1492.3	1484.7	1447.8	1395.9	1309.2	1087.0	870.8	786.4	705.8	79.8	0.0
38°	1455.4	1456.9	1414.7	1367.2	1260.3	1027.5	831.6	781.2	678.7	58.0	0.0
39°	1411.7	1412.4	1368.7	1328.1	1202.3	965.0	799.2	775.9	644.8	36.9	0.0
40°	1377.0	1376.3	1326.6	1282.9	1139.7	906.2	781.9	768.4	607.2	21.1	0.0
42.5°	1119.4	1123.9	1129.9	1148.0	992.8	803.0	765.4	726.2	500.2	0.0	0.0
45°	729.9	747.3	751.8	806.0	805.3	760.8	726.2	650.8	369.9	0.0	0.0
47.5°	694.5	699.8	709.6	730.7	742.0	720.2	649.3	543.9	201.9	0.0	0.0
50°	708.1	707.3	709.6	709.6	689.3	632.8	532.6	401.5	38.4	0.0	0.0
52.5°	508.5	527.3	547.6	556.7	530.3	470.8	388.7	235.8	0.0	0.0	0.0
55°	180.0	174.0	169.5	185.3	181.5	204.1	168.7	55.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.8	3.0	6.8	9.0	0.0	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	0.8	0.8
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	1.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	1.5



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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	0.8	0.8	0.8	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.5
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°	476.8	476.8	476.8	476.8
2.5°	381.9	293.0	237.3	241.1
5°	268.2	135.6	83.6	67.8
7.5°	160.5	41.4	8.3	6.8
10°	75.3	6.8	7.5	9.0
12.5°	22.6	6.0	8.3	7.5
15°	6.0	6.8	3.8	2.3
17.5°	2.3	3.0	0.0	0.0
20°	1.5	0.0	0.0	0.0
21°	1.5	0.0	0.0	0.0
22°	0.8	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°	0.8	0.0	0.0	0.0
67.5°	0.8	0.0	0.0	0.0
70°	0.8	0.0	0.0	0.0
72.5°	0.8	0.0	0.0	0.0
75°	0.8	0.0	0.0	0.0
77.5°	0.8	0.0	0.0	0.0
80°	0.8	0.8	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.8	0.8	0.0	0.0
85°	0.8	0.8	0.0	0.0
87.5°	0.8	0.8	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)