

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: P1309729

Luminaire Tested: P3SQAS02R259040DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309729
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-49)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R259040DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

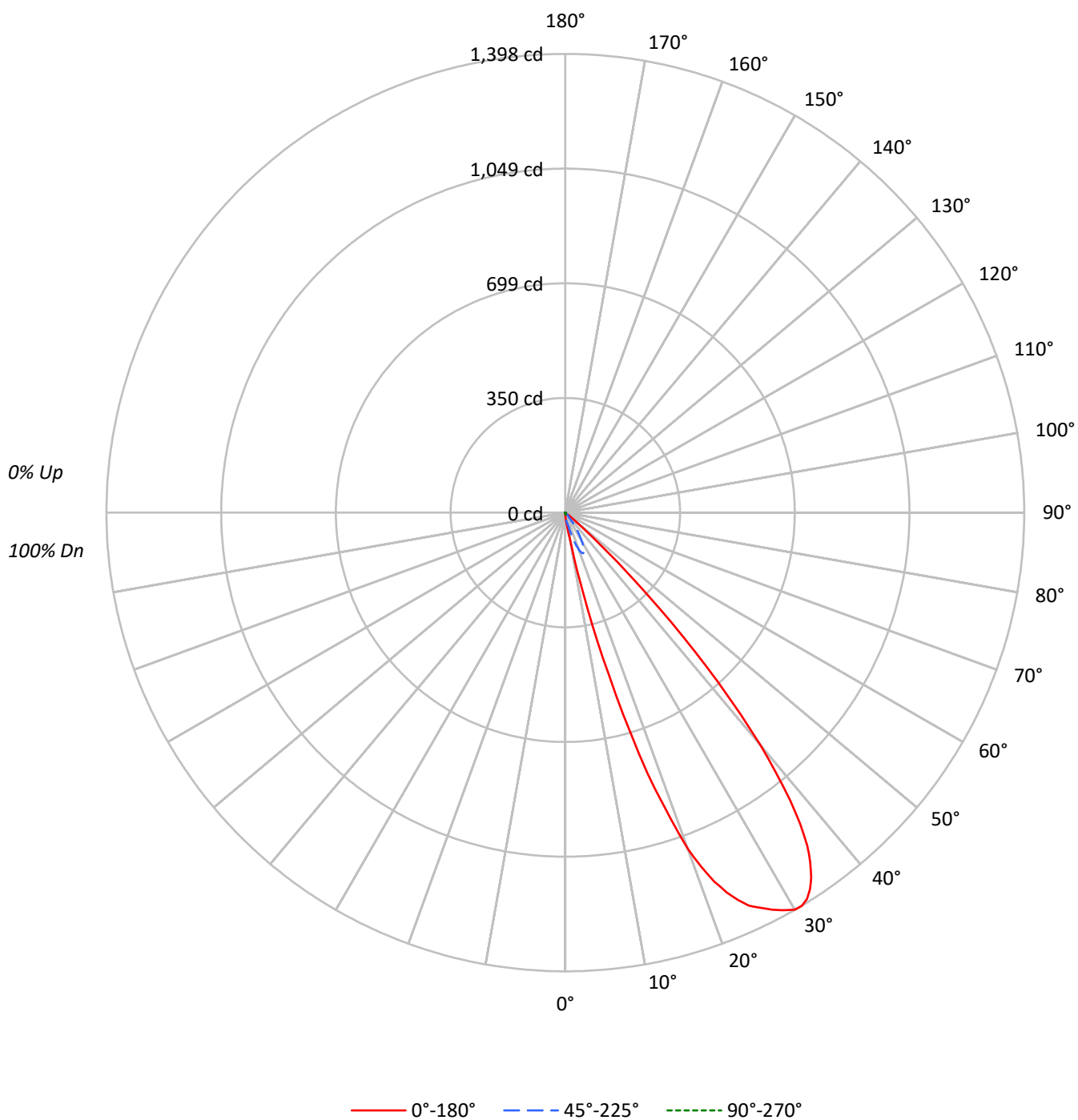
Lumens per Lamp: N/A
Luminaire Lumens: 274.0 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.44 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	70	59	52	47	69	58	52	47	57	51	47	56	51	46	55	50	46	45		
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1498	1498	1498	1498	1498
5°	4668	3267	1366	726	536
10°	14725	5928	1014	87	0
15°	91110	11268	606	0	0
20°	199752	21975	183	0	0
25°	251101	25293	0	0	0
30°	277954	19568	0	0	0
35°	273613	11080	0	0	0
40°	207982	2900	0	0	0
45°	84247	1267	0	0	0
50°	9351	134	0	0	0
55°	721	0	90	0	0
60°	0	0	103	0	0
65°	0	0	204	0	0
70°	0	151	252	0	0
75°	0	200	532	0	0
80°	0	298	793	0	0
85°	0	593	1581	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 84247 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.4	0.5
10°-20°	28.3	10.3
20°-30°	98.9	36.1
30°-40°	110.4	40.3
40°-50°	33.3	12.2
50°-60°	1.1	0.4
60°-70°	0.1	0.1
70°-80°	0.2	0.1
80°-90°	0.2	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°	128.6	46.9
0°-40°	238.9	87.2
0°-60°	273.4	99.8
0°-90°	274.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	274.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	9	9	9	9	9	
5°	27	19	8	4	3	4
15°	511	63	3	0	0	170
25°	1321	133	0	0	0	603
35°	1301	53	0	0	0	781
45°	346	5	0	0	0	299
55°	2	0	0	0	0	7
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°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
2.5°	15.0	15.5	15.2	15.5	15.2	15.2	15.2	15.5	15.2	15.2	15.2
5°	27.0	27.3	27.3	27.0	27.0	27.6	27.0	27.3	26.5	27.0	26.8
7.5°	44.4	43.8	43.8	44.1	44.1	43.6	43.3	42.8	43.3	43.3	42.5
10°	84.2	83.7	82.4	81.9	82.4	82.4	79.8	80.3	80.6	78.2	77.4
12.5°	247.5	245.6	249.3	243.5	240.1	234.6	237.8	227.0	224.6	223.1	219.4
15°	511.0	524.9	518.8	519.4	520.4	507.3	511.8	495.5	481.8	477.6	474.7
17.5°	833.2	837.4	831.9	829.3	828.3	822.0	814.3	806.2	795.7	786.5	778.9
20°	1089.9	1086.8	1077.3	1078.4	1067.1	1061.3	1054.7	1046.6	1038.5	1025.1	1012.2
21°	1157.6	1148.4	1148.7	1142.4	1142.1	1134.8	1123.2	1114.8	1107.5	1092.3	1084.1
22°	1213.2	1211.1	1206.4	1201.7	1196.7	1193.0	1180.2	1176.0	1161.0	1148.4	1136.9
23°	1256.6	1257.3	1253.1	1250.0	1243.2	1241.6	1225.1	1219.3	1209.1	1189.9	1178.1
24°	1292.5	1291.2	1286.5	1281.0	1277.0	1273.3	1260.8	1251.3	1240.0	1224.3	1212.7
25°	1321.4	1318.2	1315.1	1310.9	1304.6	1300.4	1287.5	1277.0	1267.3	1249.7	1234.0
26°	1338.4	1339.2	1334.2	1331.1	1325.6	1321.4	1308.0	1295.7	1283.6	1264.7	1250.5
27°	1355.8	1355.0	1350.5	1345.8	1340.0	1338.4	1322.9	1310.1	1297.8	1277.8	1261.0
28°	1371.8	1369.7	1366.0	1360.5	1354.2	1349.5	1334.5	1321.1	1307.7	1286.5	1268.1
29°	1385.1	1383.0	1380.7	1373.6	1365.5	1362.3	1346.3	1330.0	1316.6	1294.9	1275.4
30°	1397.7	1393.8	1388.3	1382.3	1374.4	1368.4	1351.6	1337.4	1321.6	1297.5	1278.9
31°	1398.3	1393.0	1389.1	1382.8	1373.9	1366.5	1348.9	1334.5	1316.1	1293.6	1273.3
32°	1389.1	1386.5	1380.2	1373.3	1364.7	1357.3	1337.9	1322.7	1305.4	1281.2	1261.0
33°	1368.4	1365.7	1362.1	1355.0	1343.7	1336.9	1319.5	1302.7	1285.7	1263.9	1240.8
34°	1339.7	1336.6	1331.9	1324.8	1313.2	1306.2	1292.2	1274.9	1256.8	1234.2	1212.7
35°	1301.4	1295.4	1294.1	1283.6	1272.8	1271.0	1254.5	1236.3	1218.0	1193.0	1174.4
36°	1253.9	1246.8	1242.1	1238.4	1231.4	1222.7	1206.4	1192.0	1168.4	1152.4	1126.1
37°	1189.1	1180.4	1184.9	1174.9	1163.9	1160.2	1139.5	1126.4	1106.4	1084.7	1062.3
38°	1113.5	1112.7	1111.7	1107.2	1088.3	1078.6	1070.0	1056.0	1038.7	1012.5	982.3
39°	1018.0	1019.6	1014.1	1014.6	1005.1	995.4	983.4	967.6	946.6	922.7	898.3
40°	925.1	902.8	906.7	893.3	894.1	879.7	863.9	850.0	836.7	815.7	782.3
42.5°	640.1	636.7	624.9	616.5	620.1	601.5	580.8	561.4	542.7	519.1	490.0
45°	345.9	338.0	340.4	326.7	326.7	318.3	312.6	296.3	279.0	268.2	251.4
47.5°	128.6	130.2	133.1	127.5	121.2	124.9	119.4	119.4	116.5	113.1	108.4
50°	34.9	35.4	34.9	34.9	34.1	33.6	32.5	32.3	32.0	31.2	29.9
52.5°	14.2	13.4	13.4	13.6	13.6	13.1	13.4	13.4	13.1	12.9	12.9
55°	2.4	2.6	2.6	2.6	2.6	2.4	2.4	2.6	2.9	2.6	2.6
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
2.5°	14.7	12.9	10.8	8.9	7.1	6.0	5.5	5.8
5°	24.9	18.9	12.3	7.9	5.5	4.2	3.4	3.1
7.5°	38.3	26.0	13.9	6.8	4.2	2.1	1.3	1.0
10°	58.8	33.9	15.0	5.8	2.6	0.5	0.0	0.0
12.5°	150.9	41.5	15.2	4.7	1.0	0.0	0.0	0.0
15°	310.2	63.2	14.7	3.4	0.3	0.0	0.0	0.0
17.5°	515.7	96.8	12.9	2.4	0.0	0.0	0.0	0.0
20°	715.4	119.9	10.2	1.0	0.0	0.0	0.0	0.0
21°	775.5	126.8	9.2	0.8	0.0	0.0	0.0	0.0
22°	824.6	131.7	8.1	0.5	0.0	0.0	0.0	0.0
23°	865.5	134.4	7.1	0.3	0.0	0.0	0.0	0.0
24°	894.1	134.9	6.6	0.3	0.0	0.0	0.0	0.0
25°	907.8	133.1	5.8	0.0	0.0	0.0	0.0	0.0
26°	913.0	129.4	5.2	0.0	0.0	0.0	0.0	0.0
27°	909.1	124.7	4.7	0.0	0.0	0.0	0.0	0.0
28°	902.0	117.6	3.9	0.0	0.0	0.0	0.0	0.0
29°	888.1	108.1	3.4	0.0	0.0	0.0	0.0	0.0
30°	874.7	98.4	2.9	0.0	0.0	0.0	0.0	0.0
31°	859.5	89.8	2.4	0.0	0.0	0.0	0.0	0.0
32°	840.9	79.8	1.8	0.0	0.0	0.0	0.0	0.0
33°	809.9	70.6	1.3	0.0	0.0	0.0	0.0	0.0
34°	766.6	61.9	1.0	0.0	0.0	0.0	0.0	0.0
35°	708.6	52.7	0.8	0.0	0.0	0.0	0.0	0.0
36°	645.1	43.0	0.5	0.0	0.0	0.0	0.0	0.0
37°	567.4	31.2	0.5	0.0	0.0	0.0	0.0	0.0
38°	486.3	19.7	0.3	0.0	0.0	0.0	0.0	0.0
39°	403.4	15.0	0.3	0.0	0.0	0.0	0.0	0.0
40°	327.5	12.9	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	175.3	8.7	0.0	0.0	0.0	0.0	0.0	0.0
45°	103.4	5.2	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	57.7	2.1	0.0	0.0	0.0	0.0	0.0	0.0
50°	20.7	0.5	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	2.9	0.0	0.0	0.3	0.0	0.0	0.0	0.0
57.5°	0.3	0.0	0.3	0.3	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.3	0.5	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.5	0.5	0.3	0.0	0.0	0.0
67.5°	0.0	0.3	0.5	0.5	0.3	0.0	0.0	0.0
70°	0.0	0.3	0.5	0.5	0.3	0.0	0.0	0.0
72.5°	0.0	0.3	0.5	0.8	0.3	0.0	0.0	0.0
75°	0.0	0.3	0.5	0.8	0.3	0.0	0.0	0.0
77.5°	0.0	0.3	0.5	0.8	0.3	0.0	0.0	0.0
80°	0.0	0.3	0.5	0.8	0.3	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.0	0.3	0.5	0.8	0.3	0.0	0.0	0.0
85°	0.0	0.3	0.5	0.8	0.3	0.0	0.0	0.0
87.5°	0.0	0.3	0.5	0.8	0.3	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)