

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: P1310827

Luminaire Tested: P3SQAS02R259050DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310827
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: P3SQAS02R259050DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

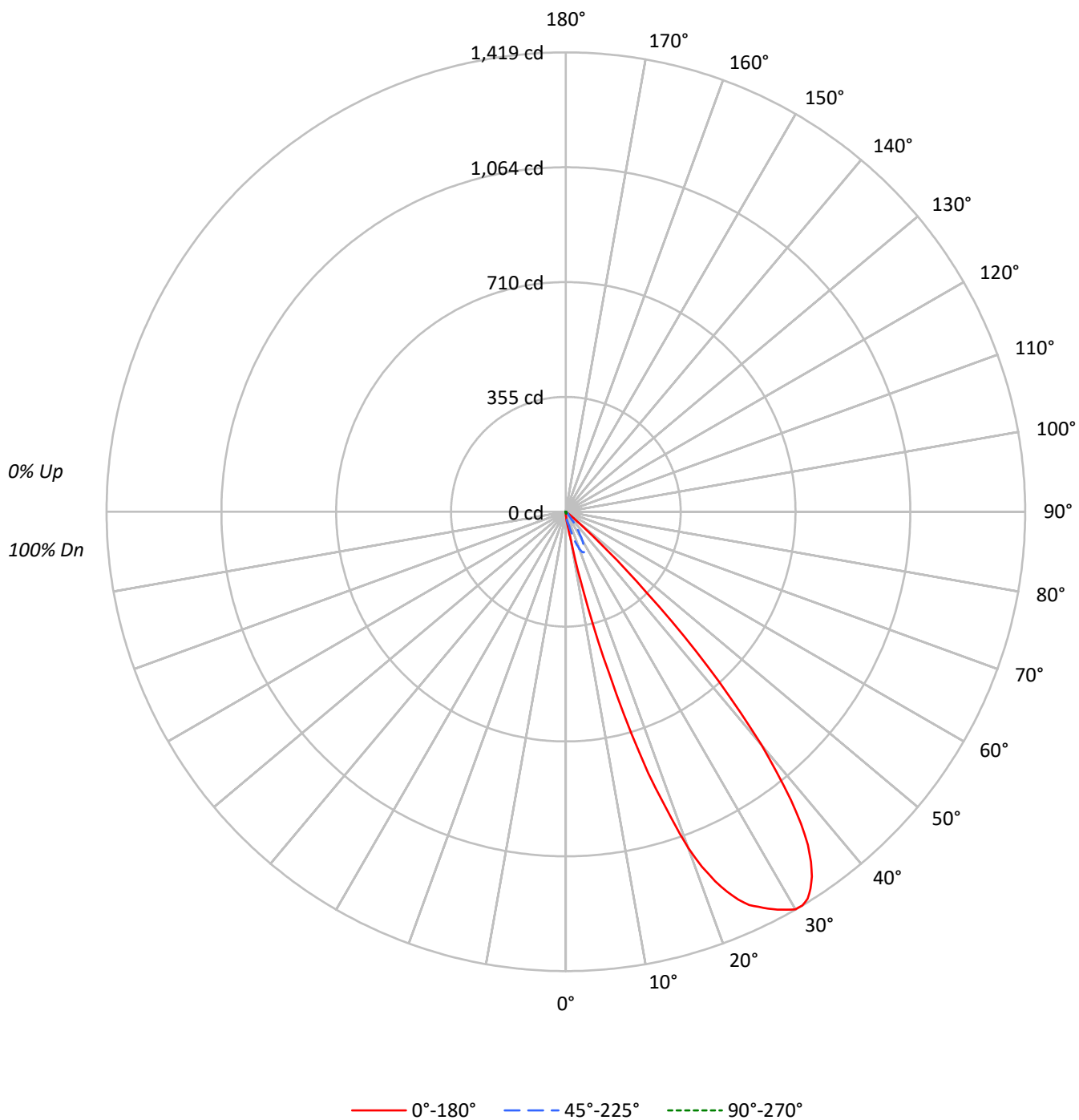
Lumens per Lamp: N/A
Luminaire Lumens: 278.0 lumens
Efficiency: N/A
Efficacy: 77.2 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	1516	1516	1516	1516	1516
5°	4737	3319	1383	743	553
10°	14952	5998	1032	87	0
15°	92430	11447	624	0	0
20°	202666	22305	202	0	0
25°	254769	25654	0	0	0
30°	282011	19867	0	0	0
35°	277608	11248	0	0	0
40°	211017	2923	0	0	0
45°	85465	1291	0	0	0
50°	9485	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: 85465 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.4	0.5
10°-20°	28.7	10.3
20°-30°	100.4	36.1
30°-40°	112.0	40.3
40°-50°	33.8	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°	130.5	46.9
0°-40°	242.4	87.2
0°-60°	277.4	99.8
0°-90°	278.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	278.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	9	9	9	9	9	
5°	27	19	8	4	3	4
15°	518	64	4	0	0	172
25°	1341	135	0	0	0	612
35°	1320	54	0	0	0	793
45°	351	5	0	0	0	303
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°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
2.5°	15.2	15.7	15.4	15.7	15.4	15.4	15.4	15.7	15.4	15.4	15.4
5°	27.4	27.7	27.7	27.4	27.4	28.0	27.4	27.7	26.9	27.4	27.2
7.5°	45.0	44.5	44.5	44.7	44.7	44.2	43.9	43.4	43.9	43.9	43.1
10°	85.5	84.9	83.6	83.1	83.6	83.6	80.9	81.5	81.7	79.3	78.5
12.5°	251.1	249.2	253.0	247.1	243.6	238.0	241.2	230.3	227.9	226.3	222.6
15°	518.4	532.5	526.4	526.9	528.0	514.7	519.2	502.7	488.9	484.6	481.7
17.5°	845.4	849.7	844.1	841.4	840.3	834.0	826.2	818.0	807.3	798.0	790.3
20°	1105.8	1102.6	1093.0	1094.1	1082.6	1076.8	1070.1	1061.9	1053.6	1040.0	1027.0
21°	1174.5	1165.2	1165.5	1159.1	1158.8	1151.3	1139.6	1131.1	1123.7	1108.2	1100.0
22°	1231.0	1228.8	1224.0	1219.2	1214.2	1210.5	1197.4	1193.2	1178.0	1165.2	1153.5
23°	1274.9	1275.7	1271.4	1268.2	1261.3	1259.7	1242.9	1237.1	1226.7	1207.3	1195.3
24°	1311.4	1310.0	1305.3	1299.7	1295.7	1291.9	1279.2	1269.6	1258.1	1242.1	1230.4
25°	1340.7	1337.5	1334.3	1330.0	1323.6	1319.4	1306.3	1295.7	1285.8	1268.0	1252.0
26°	1358.0	1358.8	1353.7	1350.5	1344.9	1340.7	1327.1	1314.6	1302.3	1283.1	1268.8
27°	1375.5	1374.7	1370.2	1365.4	1359.6	1358.0	1342.3	1329.2	1316.7	1296.5	1279.4
28°	1391.8	1389.7	1385.9	1380.3	1373.9	1369.2	1354.0	1340.4	1326.8	1305.3	1286.6
29°	1405.4	1403.2	1400.8	1393.7	1385.4	1382.2	1366.0	1349.5	1335.9	1313.8	1294.1
30°	1418.1	1414.2	1408.6	1402.4	1394.5	1388.3	1371.3	1356.9	1340.9	1316.4	1297.5
31°	1418.7	1413.4	1409.4	1403.0	1393.9	1386.5	1368.6	1354.0	1335.3	1312.4	1291.9
32°	1409.4	1406.7	1400.3	1393.4	1384.6	1377.1	1357.4	1342.0	1324.4	1299.9	1279.4
33°	1388.3	1385.7	1381.9	1374.7	1363.3	1356.4	1338.8	1321.8	1304.5	1282.4	1258.9
34°	1359.3	1356.1	1351.3	1344.1	1332.4	1325.2	1311.1	1293.5	1275.2	1252.3	1230.4
35°	1320.4	1314.3	1313.0	1302.3	1291.4	1289.5	1272.8	1254.4	1235.8	1210.5	1191.6
36°	1272.2	1265.0	1260.3	1256.5	1249.3	1240.5	1224.0	1209.4	1185.4	1169.2	1142.6
37°	1206.5	1197.7	1202.2	1192.1	1180.9	1177.2	1156.1	1142.8	1122.6	1100.5	1077.9
38°	1129.8	1129.0	1127.9	1123.4	1104.2	1094.4	1085.6	1071.5	1053.9	1027.3	996.6
39°	1032.9	1034.5	1028.9	1029.4	1019.8	1010.0	997.7	981.7	960.4	936.2	911.4
40°	938.6	916.0	920.0	906.4	907.2	892.5	876.6	862.4	848.9	827.6	793.7
42.5°	649.4	646.0	634.0	625.5	629.2	610.3	589.3	569.5	550.6	526.7	497.1
45°	350.9	343.0	345.4	331.5	331.5	323.0	317.1	300.6	283.0	272.1	255.1
47.5°	130.5	132.1	135.0	129.4	123.0	126.7	121.2	121.2	118.2	114.8	110.0
50°	35.4	35.9	35.4	35.4	34.6	34.1	33.0	32.8	32.5	31.7	30.4
52.5°	14.4	13.6	13.6	13.8	13.8	13.3	13.6	13.6	13.3	13.0	13.0
55°	2.4	2.7	2.7	2.7	2.7	2.4	2.4	2.7	2.9	2.7	2.7
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°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
2.5°	14.9	13.0	10.9	9.1	7.2	6.1	5.6	5.9
5°	25.3	19.2	12.5	8.0	5.6	4.3	3.5	3.2
7.5°	38.9	26.4	14.1	6.9	4.3	2.1	1.3	1.1
10°	59.6	34.3	15.2	5.9	2.7	0.5	0.0	0.0
12.5°	153.1	42.1	15.4	4.8	1.1	0.0	0.0	0.0
15°	314.7	64.2	14.9	3.5	0.3	0.0	0.0	0.0
17.5°	523.2	98.3	13.0	2.4	0.0	0.0	0.0	0.0
20°	725.8	121.7	10.4	1.1	0.0	0.0	0.0	0.0
21°	786.8	128.6	9.3	0.8	0.0	0.0	0.0	0.0
22°	836.6	133.7	8.3	0.5	0.0	0.0	0.0	0.0
23°	878.2	136.3	7.2	0.3	0.0	0.0	0.0	0.0
24°	907.2	136.9	6.7	0.3	0.0	0.0	0.0	0.0
25°	921.0	135.0	5.9	0.0	0.0	0.0	0.0	0.0
26°	926.3	131.3	5.3	0.0	0.0	0.0	0.0	0.0
27°	922.4	126.5	4.8	0.0	0.0	0.0	0.0	0.0
28°	915.2	119.3	4.0	0.0	0.0	0.0	0.0	0.0
29°	901.1	109.7	3.5	0.0	0.0	0.0	0.0	0.0
30°	887.5	99.9	2.9	0.0	0.0	0.0	0.0	0.0
31°	872.0	91.1	2.4	0.0	0.0	0.0	0.0	0.0
32°	853.1	80.9	1.9	0.0	0.0	0.0	0.0	0.0
33°	821.7	71.6	1.3	0.0	0.0	0.0	0.0	0.0
34°	777.8	62.8	1.1	0.0	0.0	0.0	0.0	0.0
35°	718.9	53.5	0.8	0.0	0.0	0.0	0.0	0.0
36°	654.5	43.7	0.5	0.0	0.0	0.0	0.0	0.0
37°	575.7	31.7	0.5	0.0	0.0	0.0	0.0	0.0
38°	493.4	20.0	0.3	0.0	0.0	0.0	0.0	0.0
39°	409.3	15.2	0.3	0.0	0.0	0.0	0.0	0.0
40°	332.3	13.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	177.9	8.8	0.0	0.0	0.0	0.0	0.0	0.0
45°	104.9	5.3	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	58.6	2.1	0.0	0.0	0.0	0.0	0.0	0.0
50°	21.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	8.3	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)