

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: P1311386

Luminaire Tested: P3SQAS13R609050DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311386
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R609050DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 5000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

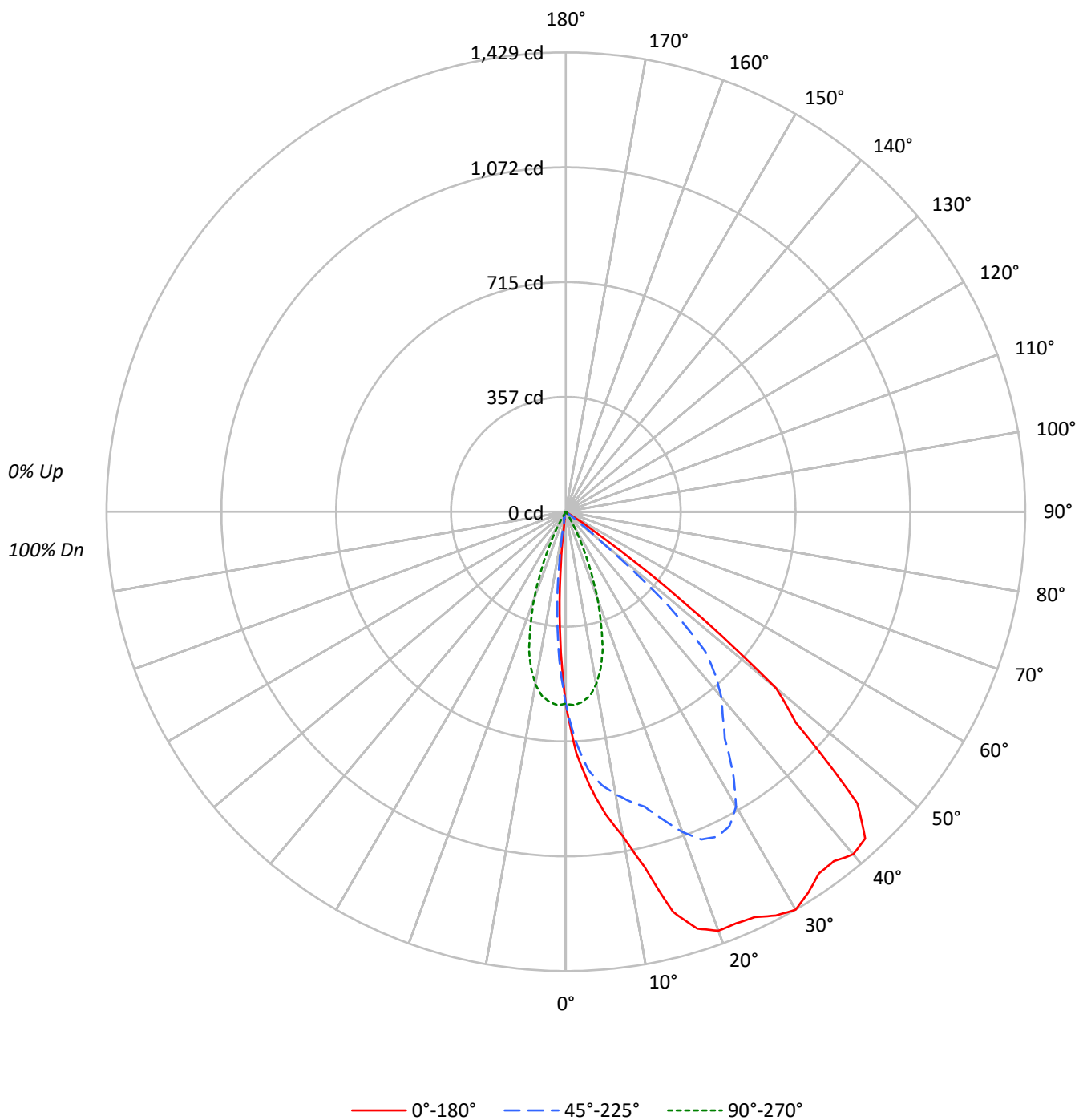
Lumens per Lamp: N/A
Luminaire Lumens: 970.1 lumens
Efficiency: N/A
Efficacy: 66.4 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
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	100	95	91	103	98	93	90	94	91	88		91	88	86		89	86	84	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75	71	68	66
5	86	76	69	63	84	75	68	63	73	67	63		71	66	62		69	65	61	60
6	80	69	62	57	79	69	62	57	67	61	56		65	60	56		64	59	56	54
7	75	64	57	52	74	63	56	51	62	56	51		60	55	51		59	54	50	49
8	70	59	52	47	69	58	51	47	57	51	46		56	50	46		55	50	46	44
9	66	55	47	43	65	54	47	43	53	47	42		52	46	42		51	46	42	40
10	62	51	44	39	61	50	43	39	49	43	39		48	43	39		48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	102782	102782	102782	102782	102782
5°	148159	139532	102622	52867	33971
10°	179216	155992	95274	6313	3707
15°	229666	169454	78950	4172	3405
20°	254185	194235	52930	2328	385
25°	264346	211880	26034	209	0
30°	284258	210539	7179	0	0
35°	288687	181294	0	0	0
40°	312748	169020	0	0	0
45°	312438	149229	0	0	0
50°	228759	36144	0	0	0
55°	44649	0	0	0	0
60°	0	0	0	0	0
65°	0	448	448	0	0
70°	0	554	554	0	0
75°	0	732	732	0	0
80°	0	1091	1091	1091	0
85°	0	2174	2174	2174	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 312950 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.2	5.3
10°-20°	146.0	15.0
20°-30°	232.6	24.0
30°-40°	268.9	27.7
40°-50°	213.5	22.0
50°-60°	56.2	5.8
60°-70°	0.4	0.0
70°-80°	0.6	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°	429.8	44.3
0°-40°	698.7	72.0
0°-60°	968.4	99.8
0°-90°	970.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	970.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	597	597	597	597	597	
5°	857	807	594	306	196	87
15°	1288	950	443	23	19	359
25°	1391	1115	137	1	0	649
35°	1373	862	0	0	0	872
45°	1283	613	0	0	0	913
55°	149	0	0	0	0	224
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°	50°
0°	596.8	596.8	596.8	596.8	596.8	596.8	596.8	596.8	596.8	596.8	596.8
2.5°	750.8	758.2	755.0	751.8	744.4	741.2	741.2	732.7	718.9	716.8	707.2
5°	857.0	859.1	859.1	857.0	851.7	843.2	841.1	832.6	819.8	807.1	794.3
7.5°	949.4	948.3	941.9	937.7	928.1	916.4	905.8	894.1	875.0	858.0	840.0
10°	1024.8	1028.0	1022.6	1012.0	999.3	983.3	966.4	946.2	917.5	892.0	868.7
12.5°	1131.0	1129.9	1116.1	1098.0	1067.2	1037.5	1011.0	988.7	953.6	922.8	894.1
15°	1288.1	1286.0	1273.3	1257.3	1212.7	1168.1	1122.5	1059.8	1001.4	950.4	910.1
17.5°	1359.3	1363.5	1352.9	1344.4	1318.9	1289.2	1248.8	1186.2	1095.9	1003.5	918.6
20°	1386.9	1392.2	1384.8	1383.7	1372.0	1358.2	1325.3	1257.3	1169.2	1059.8	954.7
22.5°	1385.8	1390.1	1386.9	1400.7	1414.5	1407.1	1366.7	1298.7	1208.5	1103.3	984.4
25°	1391.1	1387.9	1376.3	1396.4	1416.6	1410.2	1390.1	1331.7	1232.9	1115.0	995.0
27.5°	1415.6	1392.2	1368.8	1394.3	1403.9	1406.0	1394.3	1325.3	1228.7	1102.3	973.8
30°	1429.4	1403.9	1384.8	1406.0	1406.0	1417.7	1393.3	1314.7	1192.5	1058.7	917.5
32.5°	1403.9	1398.6	1415.6	1436.8	1442.1	1442.1	1387.9	1279.6	1132.0	969.5	827.2
35°	1373.1	1385.8	1434.7	1444.2	1444.2	1420.9	1355.0	1218.0	1041.8	862.3	760.3
37.5°	1369.9	1390.1	1444.2	1432.5	1413.4	1369.9	1274.3	1110.8	913.3	801.8	710.4
40°	1391.1	1410.2	1442.1	1399.6	1354.0	1286.0	1171.3	970.6	835.7	751.8	649.9
42.5°	1378.4	1396.4	1397.5	1334.8	1270.1	1177.7	1025.8	857.0	779.5	688.1	580.9
45°	1282.8	1284.9	1280.7	1213.8	1146.9	1051.3	889.9	800.7	717.9	612.7	426.9
47.5°	969.5	965.3	981.2	962.1	965.3	908.0	808.1	734.9	636.1	430.1	129.6
50°	853.8	848.5	832.6	815.6	798.6	771.0	724.2	645.7	458.8	134.9	4.2
52.5°	457.7	483.2	533.1	609.5	638.2	636.1	601.1	477.9	144.4	1.1	0.0
55°	148.7	146.5	163.5	193.3	265.5	305.8	318.6	162.5	3.2	0.0	0.0
57.5°	0.0	0.0	0.0	3.2	10.6	27.6	36.1	2.1	0.0	1.1	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
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°	596.8	596.8	596.8	596.8	596.8	596.8	596.8	596.8
2.5°	694.5	679.6	662.6	602.1	531.0	461.9	412.0	399.3
5°	774.1	748.7	712.6	593.6	438.6	305.8	218.8	196.5
7.5°	815.6	793.3	755.0	576.6	339.8	150.8	56.3	38.2
10°	841.1	814.5	772.0	544.8	221.9	36.1	20.2	21.2
12.5°	859.1	828.3	780.5	499.1	112.6	18.1	25.5	26.5
15°	866.5	833.6	779.5	442.8	40.4	23.4	22.3	19.1
17.5°	862.3	820.9	765.7	362.1	13.8	22.3	11.7	9.6
20°	857.0	810.3	743.4	288.8	11.7	12.7	4.2	2.1
22.5°	874.0	792.2	712.6	207.1	11.7	4.2	0.0	0.0
25°	876.1	784.8	673.3	137.0	5.3	1.1	0.0	0.0
27.5°	854.9	741.2	612.7	80.7	0.0	0.0	0.0	0.0
30°	786.9	687.1	548.0	36.1	0.0	0.0	0.0	0.0
32.5°	720.0	626.5	475.7	8.5	0.0	0.0	0.0	0.0
35°	666.9	563.9	396.1	0.0	0.0	0.0	0.0	0.0
37.5°	601.1	489.6	295.2	0.0	0.0	0.0	0.0	0.0
40°	532.0	395.0	147.6	0.0	0.0	0.0	0.0	0.0
42.5°	415.2	188.0	14.9	0.0	0.0	0.0	0.0	0.0
45°	159.3	17.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
65°	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
67.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0
70°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0
72.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0
75°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0
77.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0
80°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0
82.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0
85°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)