

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: P1309948

Luminaire Tested: P3SQAS05R409040DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309948
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-52)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R409040DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

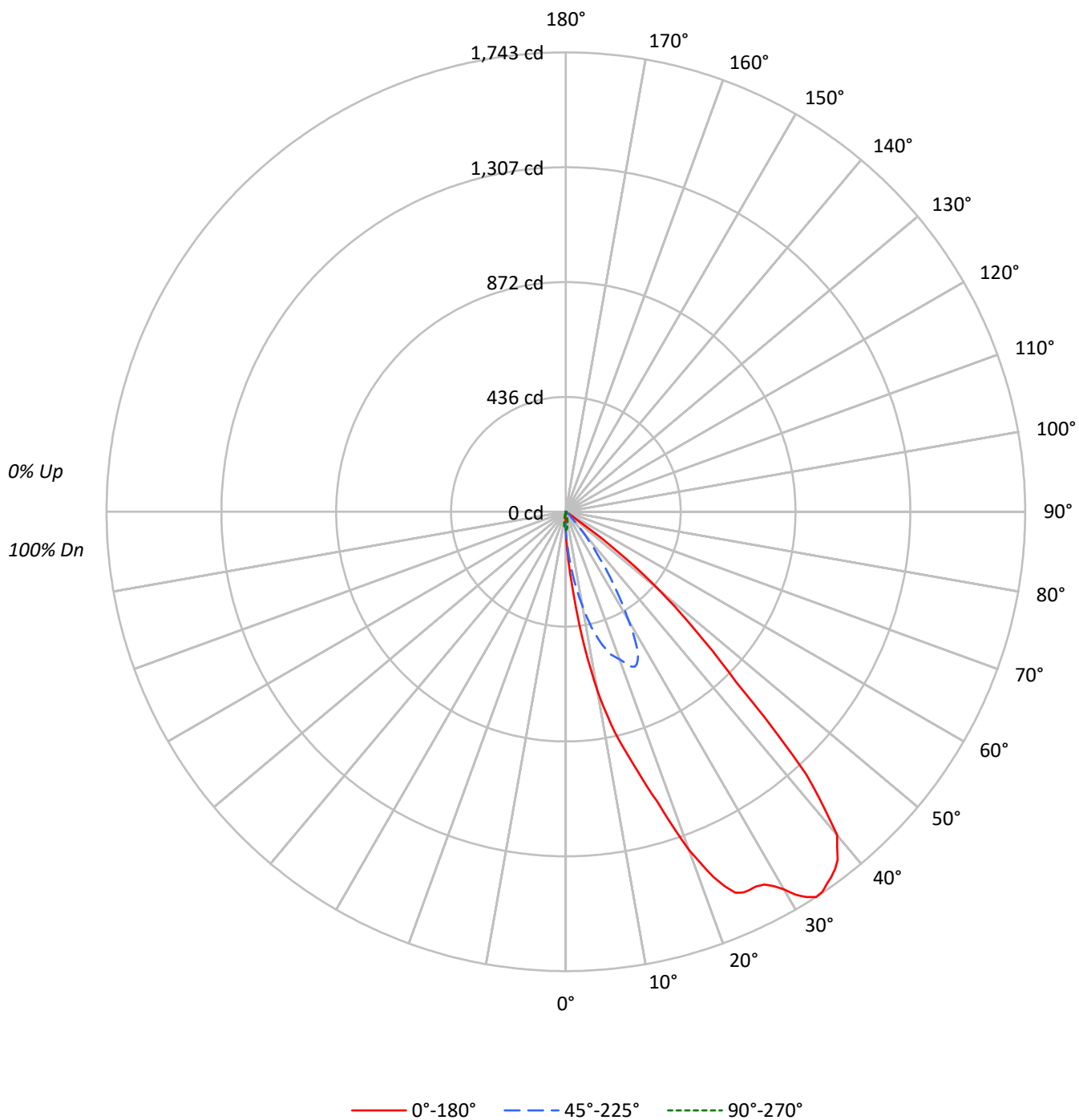
Lumens per Lamp: N/A
Luminaire Lumens: 585.0 lumens
Efficiency: N/A
Efficacy: 81.2 lumens/watt
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	83		
3	99	91	85	80	97	90	84	80	87	82	78	84	81	77	82	79	76	74		
4	92	83	77	72	90	82	76	71	80	74	70	78	73	69	76	72	68	67		
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60		
6	80	70	62	57	79	69	62	57	67	61	57	66	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	51	47	69	58	51	46	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	51	45	42	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°	11780	11780	11780	11780	11780
5°	50014	34092	10338	1867	934
10°	120212	63411	6401	192	0
15°	176943	92127	2692	0	0
20°	250116	109214	990	0	0
25°	302940	121218	0	0	0
30°	328924	94819	0	0	0
35°	362694	55505	0	0	0
40°	359983	22527	0	0	0
45°	222930	6552	0	0	0
50°	124132	134	0	0	0
55°	12131	0	0	0	0
60°	0	0	172	0	0
65°	0	0	204	0	0
70°	0	252	554	0	0
75°	0	333	732	0	0
80°	0	496	1091	0	0
85°	0	988	2174	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 223977 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.8	2.2
10°-20°	75.4	12.9
20°-30°	172.1	29.4
30°-40°	203.2	34.7
40°-50°	108.6	18.6
50°-60°	11.8	2.0
60°-70°	0.2	0.0
70°-80°	0.4	0.1
80°-90°	0.4	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°	260.3	44.5
0°-40°	463.6	79.2
0°-60°	584.0	99.8
0°-90°	585.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	585.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	68	68	68	68	68	
5°	289	197	60	11	5	41
15°	992	517	15	0	0	295
25°	1594	638	0	0	0	724
35°	1725	264	0	0	0	1066
45°	915	27	0	0	0	755
55°	40	0	0	0	0	113
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°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
2.5°	159.5	156.2	158.4	154.1	154.1	144.4	144.9	136.8	125.0	95.4	67.9
5°	289.3	302.2	292.0	278.5	271.0	261.3	248.4	234.9	197.2	119.1	59.8
7.5°	484.3	483.3	466.0	451.5	434.8	408.9	384.7	351.8	280.7	136.3	49.6
10°	687.4	683.7	664.3	651.9	620.1	582.9	533.4	480.6	362.6	142.2	36.6
12.5°	856.6	851.8	835.6	814.6	779.6	732.7	679.4	609.9	448.8	135.8	23.7
15°	992.4	991.3	975.7	947.1	910.5	864.7	804.4	720.9	516.7	119.1	15.1
17.5°	1153.5	1159.9	1131.9	1101.2	1048.4	984.3	910.5	815.1	566.8	98.6	9.7
20°	1364.7	1355.5	1329.6	1284.9	1234.3	1157.2	1052.7	916.4	595.9	76.5	5.4
21°	1429.3	1425.5	1398.6	1357.1	1301.1	1223.0	1115.2	968.1	609.3	68.4	4.3
22°	1495.0	1488.6	1467.6	1427.2	1374.4	1286.0	1167.5	1021.5	626.6	59.8	2.7
23°	1544.1	1541.4	1525.2	1485.3	1430.9	1345.3	1224.0	1071.0	638.4	51.7	1.6
24°	1581.8	1578.5	1562.4	1532.2	1485.3	1395.9	1281.2	1124.4	643.3	44.7	0.5
25°	1594.2	1595.8	1586.1	1562.4	1523.1	1433.6	1323.7	1166.4	637.9	38.3	0.0
26°	1594.7	1599.6	1592.6	1579.1	1546.8	1463.8	1363.6	1191.2	623.9	32.3	0.0
27°	1594.7	1599.6	1592.6	1582.3	1550.5	1481.0	1385.1	1193.9	602.3	27.5	0.0
28°	1602.2	1604.9	1595.8	1583.4	1548.9	1486.4	1391.1	1177.7	567.8	23.7	0.0
29°	1623.3	1620.6	1605.5	1588.8	1547.3	1486.4	1373.3	1147.0	524.7	19.9	0.0
30°	1654.0	1654.0	1630.3	1603.9	1554.8	1485.9	1344.7	1091.5	476.8	16.2	0.0
31°	1695.5	1691.7	1668.0	1628.6	1571.0	1485.9	1302.7	1030.1	432.6	14.0	0.0
32°	1723.5	1721.3	1698.7	1652.4	1597.4	1485.9	1257.4	962.2	384.7	11.3	0.0
33°	1742.9	1738.6	1712.7	1664.7	1613.6	1478.3	1206.8	889.5	341.6	9.2	0.0
34°	1740.2	1739.1	1712.2	1662.6	1610.3	1447.1	1148.1	808.7	301.7	7.5	0.0
35°	1725.1	1725.1	1692.2	1641.0	1587.2	1401.3	1089.9	739.7	264.0	5.4	0.0
36°	1713.8	1709.5	1672.3	1615.2	1548.4	1329.1	1003.7	670.2	223.6	4.3	0.0
37°	1697.1	1689.0	1647.5	1586.1	1493.4	1251.0	913.2	608.3	189.1	2.7	0.0
38°	1675.5	1663.1	1612.5	1552.1	1433.1	1161.0	821.1	538.8	157.3	1.6	0.0
39°	1636.2	1626.0	1573.7	1508.5	1360.9	1066.2	731.6	473.6	127.1	0.5	0.0
40°	1601.2	1583.4	1524.1	1449.2	1276.3	959.0	642.7	409.5	100.2	0.0	0.0
42.5°	1350.1	1331.3	1317.8	1243.4	1016.6	688.5	448.8	262.4	52.3	0.0	0.0
45°	915.3	919.6	877.6	827.5	670.7	448.8	280.7	146.0	26.9	0.0	0.0
47.5°	667.5	656.2	599.1	504.3	393.3	262.4	146.5	70.6	10.8	0.0	0.0
50°	463.3	441.8	390.1	318.9	213.9	125.0	64.7	32.9	0.5	0.0	0.0
52.5°	251.6	236.5	200.4	145.5	88.9	47.9	25.9	13.5	0.0	0.0	0.0
55°	40.4	28.0	29.1	24.8	19.4	14.0	8.1	1.6	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.5	0.5
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.1	1.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.1	1.1



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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	0.5	0.5	1.1	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	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):

	112.5°	135°	157.5°	180°
0°	68.4	68.4	68.4	68.4
2.5°	45.8	31.2	23.7	20.5
5°	26.4	10.8	5.9	5.4
7.5°	12.9	3.8	2.2	2.2
10°	5.4	1.1	0.0	0.0
12.5°	1.6	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	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°	0.5	0.0	0.0	0.0
67.5°	0.5	0.0	0.0	0.0
70°	0.5	0.0	0.0	0.0
72.5°	0.5	0.0	0.0	0.0
75°	0.5	0.0	0.0	0.0
77.5°	0.5	0.0	0.0	0.0
80°	0.5	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.5	0.0	0.0	0.0
85°	0.5	0.0	0.0	0.0
87.5°	0.5	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)