

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: P1310467

Luminaire Tested: P3SQAS17R609040DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310467
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R609040DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

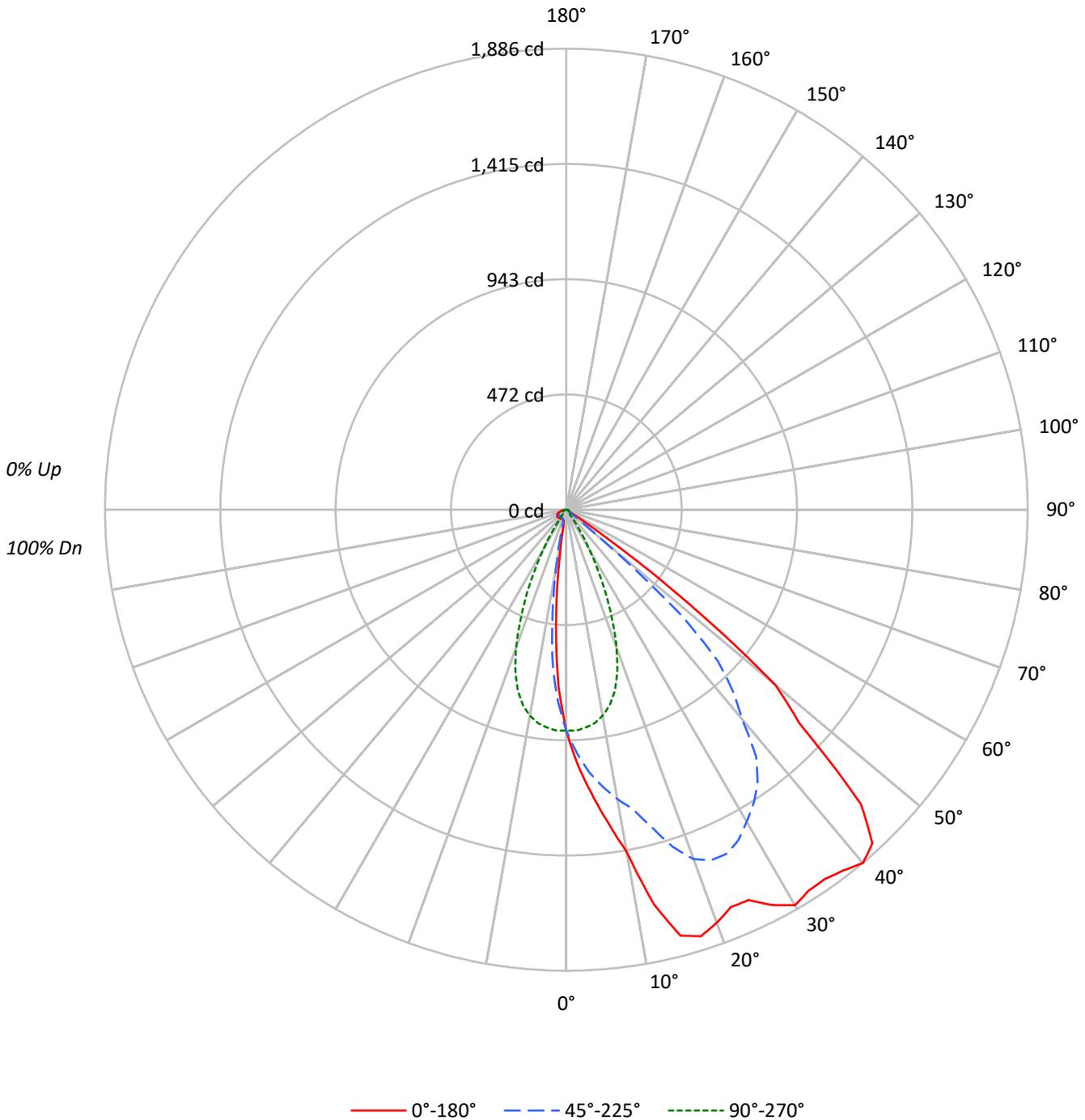
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1467.0 lumens
Efficiency: N/A
Efficacy: 69.2 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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			0	
RW	70	50	30	10	70	50	30	10	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	102	102	102	100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	88	85	83	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	81	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	64	60	58
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	58	53	49	47
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	47	41	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	155517	155517	155517	155517	155517
5°	200887	186521	154676	110142	84037
10°	248276	210240	149679	41656	12346
15°	321525	239294	136558	9129	8148
20°	329493	278725	109910	7624	7863
25°	334789	295035	73692	7373	7905
30°	371560	293068	38003	7438	8273
35°	387587	286543	10491	7863	9020
40°	424102	251282	4991	8408	9960
45°	414928	213529	5066	9109	11131
50°	299091	52702	5573	10021	12244
55°	57380	3333	5825	10809	13722
60°	2859	3341	5718	11436	14777
65°	2812	3382	5664	11859	15812
70°	2769	3474	5589	11833	16063
75°	2795	3660	5523	11978	16569
80°	1389	4166	5455	12397	16464
85°	2766	2766	5533	10868	16401

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 414928 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.5	5.4
10°-20°	216.8	14.8
20°-30°	333.7	22.7
30°-40°	391.6	26.7
40°-50°	314.0	21.4
50°-60°	97.5	6.6
60°-70°	18.4	1.3
70°-80°	12.3	0.8
80°-90°	4.3	0.3
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°	629.0	42.9
0°-40°	1020.6	69.6
0°-60°	1432.1	97.6
0°-90°	1467.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1467.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	903	903	903	903	903	
5°	1162	1079	895	637	486	119
15°	1803	1342	766	51	46	494
25°	1762	1553	388	39	42	832
35°	1844	1363	50	37	43	1167
45°	1704	877	21	37	46	1219
55°	191	11	19	36	46	302
65°	7	8	14	29	39	6
75°	4	6	8	18	25	4
85°	1	1	3	6	8	1
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°	903.0	903.0	903.0	903.0	903.0	903.0	903.0	903.0	903.0	903.0	903.0
2.5°	1041.5	1030.5	1030.5	1026.3	1022.2	1023.5	1012.5	1016.6	1005.5	997.2	990.3
5°	1162.0	1148.2	1146.8	1139.9	1133.0	1127.4	1113.6	1105.3	1088.6	1078.9	1058.2
7.5°	1286.7	1275.6	1268.7	1260.4	1247.9	1234.1	1210.5	1195.3	1169.0	1142.7	1116.3
10°	1419.7	1410.0	1394.7	1385.0	1350.4	1328.2	1296.4	1275.6	1236.8	1202.2	1162.0
12.5°	1652.3	1646.8	1617.7	1598.3	1548.5	1504.1	1434.9	1379.5	1310.2	1253.5	1199.4
15°	1803.3	1796.4	1781.1	1763.1	1731.3	1681.4	1619.1	1541.5	1444.6	1342.1	1250.7
17.5°	1829.6	1831.0	1821.3	1817.2	1796.4	1764.5	1714.7	1656.5	1559.5	1446.0	1321.3
20°	1797.8	1808.8	1806.1	1814.4	1818.5	1806.1	1772.8	1716.1	1631.6	1520.8	1380.9
22.5°	1759.0	1768.7	1765.9	1781.1	1804.7	1817.2	1806.1	1760.4	1674.5	1551.2	1414.1
25°	1761.8	1768.7	1747.9	1757.6	1788.1	1818.5	1819.9	1779.8	1687.0	1552.6	1411.3
27.5°	1822.7	1801.9	1754.8	1750.7	1788.1	1826.9	1829.6	1779.8	1669.0	1523.5	1383.6
30°	1868.4	1853.2	1800.5	1793.6	1829.6	1855.9	1842.1	1764.5	1626.0	1473.7	1343.5
32.5°	1846.2	1849.0	1826.9	1849.0	1896.1	1907.2	1849.0	1728.5	1566.5	1425.2	1296.4
35°	1843.5	1854.6	1867.0	1901.6	1933.5	1907.2	1814.4	1660.7	1502.8	1362.9	1223.0
37.5°	1860.1	1878.1	1896.1	1926.6	1926.6	1858.7	1723.0	1574.8	1426.6	1274.2	1070.6
40°	1886.4	1897.5	1903.0	1900.3	1862.9	1763.1	1619.1	1470.9	1329.6	1117.7	969.5
42.5°	1851.8	1850.4	1844.9	1821.3	1752.1	1621.9	1487.5	1367.0	1144.0	1008.3	839.3
45°	1703.6	1703.6	1688.4	1651.0	1587.2	1479.2	1360.1	1184.2	1042.9	876.7	623.3
47.5°	1289.5	1279.8	1296.4	1318.5	1318.5	1308.9	1200.8	1048.5	904.4	633.0	199.4
50°	1116.3	1101.1	1080.3	1084.5	1081.7	1092.8	1023.5	908.6	669.0	196.7	13.9
52.5°	631.6	659.3	727.1	822.7	865.6	880.9	837.9	691.1	225.8	12.5	11.1
55°	191.1	196.7	223.0	274.2	372.6	476.5	483.4	224.4	15.2	11.1	11.1
57.5°	8.3	8.3	11.1	16.6	38.8	58.2	62.3	13.9	9.7	11.1	11.1
60°	8.3	8.3	8.3	8.3	8.3	8.3	9.7	9.7	9.7	9.7	11.1
62.5°	6.9	6.9	8.3	8.3	8.3	8.3	8.3	8.3	9.7	9.7	9.7
65°	6.9	6.9	6.9	6.9	6.9	6.9	8.3	8.3	8.3	8.3	9.7
67.5°	5.5	5.5	5.5	6.9	6.9	6.9	6.9	6.9	8.3	8.3	8.3
70°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	6.9	6.9	6.9	6.9
72.5°	4.2	4.2	4.2	4.2	4.2	5.5	5.5	5.5	5.5	5.5	6.9
75°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	5.5	5.5	5.5	5.5
77.5°	2.8	2.8	2.8	2.8	2.8	4.2	4.2	4.2	4.2	4.2	4.2
80°	1.4	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	4.2	4.2
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8	2.8	2.8	2.8
85°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8
87.5°	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4
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°	903.0	903.0	903.0	903.0	903.0	903.0	903.0	903.0
2.5°	980.6	969.5	957.1	904.4	853.2	783.9	736.8	723.0
5°	1040.2	1022.2	994.5	894.7	774.2	637.1	526.3	486.1
7.5°	1090.0	1062.3	1023.5	880.9	680.0	432.1	278.4	235.5
10°	1126.0	1091.4	1041.5	855.9	555.4	238.2	94.2	70.6
12.5°	1156.5	1110.8	1051.2	818.6	404.4	97.0	48.5	48.5
15°	1177.3	1121.9	1055.4	765.9	261.8	51.2	45.7	45.7
17.5°	1206.4	1134.3	1055.4	692.5	142.7	44.3	44.3	44.3
20°	1253.5	1146.8	1040.2	599.7	78.9	41.6	42.9	42.9
22.5°	1278.4	1164.8	1020.8	491.7	49.9	40.2	41.6	41.6
25°	1283.9	1162.0	979.2	387.8	40.2	38.8	40.2	41.6
27.5°	1264.5	1142.7	923.8	282.5	36.0	37.4	40.2	41.6
30°	1229.9	1095.6	835.2	191.1	33.2	37.4	40.2	41.6
32.5°	1164.8	982.0	731.3	115.0	31.9	37.4	40.2	42.9
35°	1019.4	862.9	612.2	49.9	30.5	37.4	41.6	42.9
37.5°	914.1	743.8	473.7	24.9	30.5	37.4	41.6	44.3
40°	797.8	598.3	218.8	22.2	30.5	37.4	41.6	44.3
42.5°	608.0	277.0	26.3	22.2	29.1	37.4	42.9	44.3
45°	221.6	29.1	13.9	20.8	29.1	37.4	42.9	45.7
47.5°	16.6	11.1	12.5	20.8	29.1	37.4	42.9	45.7
50°	11.1	11.1	12.5	20.8	29.1	37.4	42.9	45.7
52.5°	11.1	12.5	12.5	19.4	27.7	37.4	42.9	45.7
55°	11.1	12.5	12.5	19.4	27.7	36.0	42.9	45.7
57.5°	11.1	11.1	12.5	18.0	26.3	34.6	42.9	44.3
60°	11.1	11.1	12.5	16.6	24.9	33.2	40.2	42.9
62.5°	11.1	11.1	11.1	15.2	23.5	31.9	38.8	41.6
65°	9.7	9.7	11.1	13.9	20.8	29.1	36.0	38.8
67.5°	8.3	9.7	9.7	12.5	19.4	26.3	33.2	36.0
70°	8.3	8.3	8.3	11.1	16.6	23.5	30.5	31.9
72.5°	6.9	6.9	8.3	9.7	15.2	20.8	27.7	29.1
75°	5.5	6.9	6.9	8.3	12.5	18.0	23.5	24.9
77.5°	5.5	5.5	5.5	6.9	11.1	15.2	19.4	20.8
80°	4.2	4.2	4.2	5.5	8.3	12.5	15.2	16.6
82.5°	2.8	4.2	4.2	4.2	6.9	8.3	11.1	12.5
85°	2.8	2.8	2.8	2.8	4.2	5.5	6.9	8.3
87.5°	1.4	1.4	2.8	2.8	2.8	2.8	2.8	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)