

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: P1309508

Luminaire Tested: P3SQAS20R709035D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309508
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-70)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R709035D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

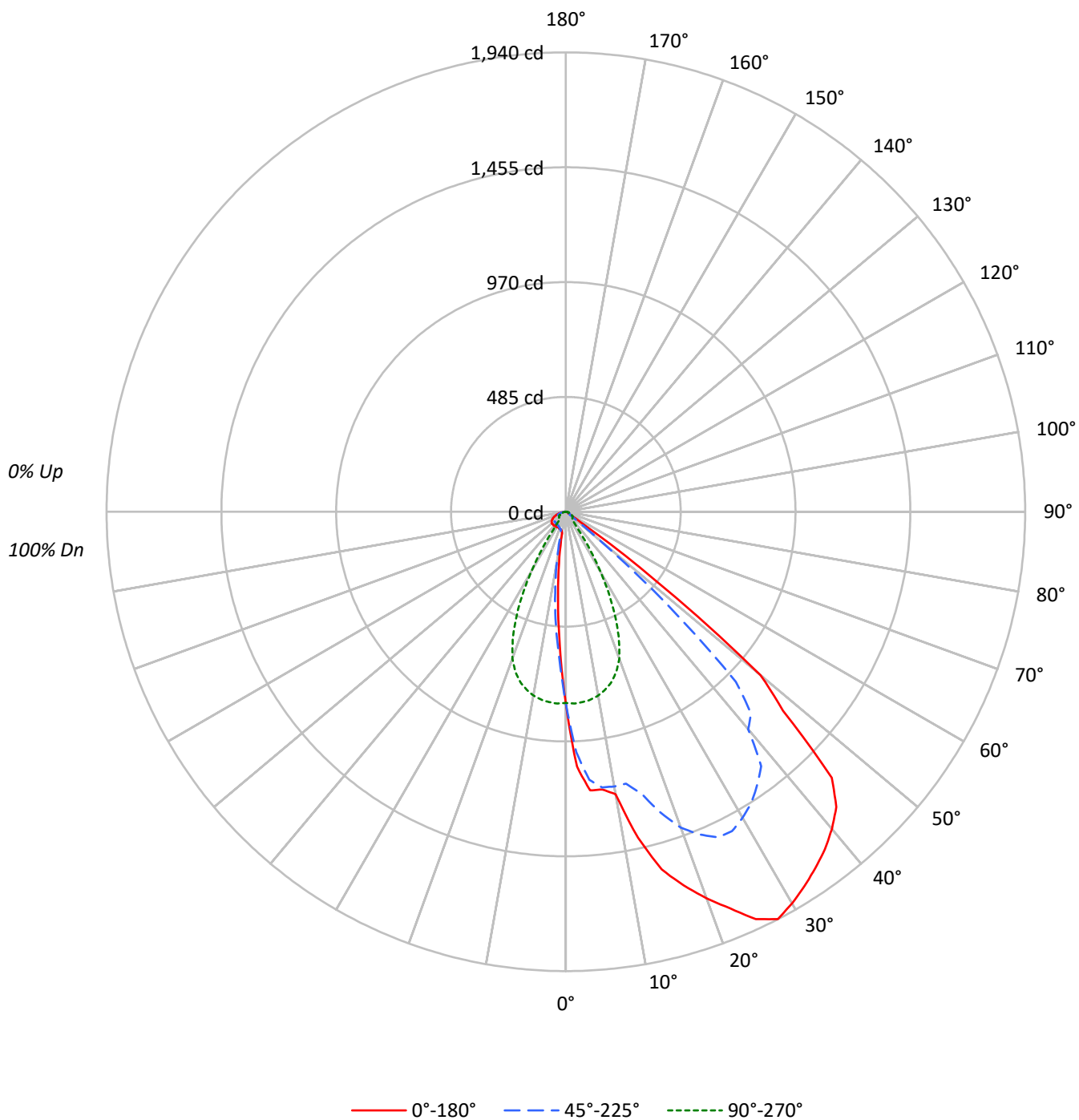
Lumens per Lamp: N/A
Luminaire Lumens: 1533.0 lumens
Efficiency: N/A
Efficacy: 53.2 lumens/watt
Spacing Criteria (0/90/45): 1.7 / 0.89 / 1.39
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80	80
3	97	89	83	78	95	87	82	77	85	80	76	82	78	74	80	76	73	71	71
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64	64
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	62	59	57	57
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51	51
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	46	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	42	42
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	38	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	35	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	139001	139001	139001	139001	139001
5°	204189	196375	139532	83294	65262
10°	211727	205938	137805	39855	16124
15°	278822	219592	132743	14264	13961
20°	318478	260141	120834	13709	14021
25°	360633	288232	94861	13226	13891
30°	379813	296807	58805	13145	14875
35°	386199	296235	19385	13540	15726
40°	393032	269448	9375	14478	17199
45°	386797	247432	9742	15247	18632
50°	287570	45682	9779	16772	20497
55°	22970	6275	10449	17745	21949
60°	4788	6579	10196	17980	22768
65°	4972	6398	9943	17727	23391
70°	4381	6143	9618	16667	22760
75°	3460	5789	8118	16236	22025
80°	3471	5157	8629	15571	20728
85°	3359	6916	10275	13832	17191

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°

Vertical Angle: 45°

Luminance: 391473 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.5	4.8
10°-20°	206.6	13.5
20°-30°	346.8	22.6
30°-40°	417.1	27.2
40°-50°	330.6	21.6
50°-60°	105.8	6.9
60°-70°	29.5	1.9
70°-80°	17.6	1.2
80°-90°	5.6	0.4
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°	626.8	40.9
0°-40°	1043.9	68.1
0°-60°	1480.3	96.6
0°-90°	1533.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1533.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	807	807	807	807	807	
5°	1181	1136	807	482	378	111
15°	1564	1232	744	80	78	440
25°	1898	1517	499	70	73	868
35°	1837	1409	92	64	75	1150
45°	1588	1016	40	63	76	1141
55°	76	21	35	59	73	240
65°	12	16	24	44	57	12
75°	5	9	12	24	33	6
85°	2	4	5	7	9	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°	807.1	807.1	807.1	807.1	807.1	807.1	807.1	807.1	807.1	807.1	807.1
2.5°	1076.7	1083.7	1083.7	1075.0	1078.5	1064.6	1054.1	1038.5	1035.0	1015.9	991.5
5°	1181.1	1177.6	1177.6	1170.7	1174.1	1168.9	1163.7	1160.2	1149.8	1135.9	1122.0
7.5°	1182.8	1186.3	1188.1	1186.3	1193.3	1188.1	1188.1	1188.1	1181.1	1174.1	1160.2
10°	1210.7	1205.5	1200.2	1188.1	1181.1	1175.9	1175.9	1177.6	1181.1	1177.6	1168.9
12.5°	1410.7	1391.6	1382.9	1353.3	1330.7	1292.4	1248.9	1215.9	1186.3	1175.9	1168.9
15°	1563.8	1560.3	1542.9	1515.1	1487.3	1442.0	1391.6	1341.1	1287.2	1231.6	1191.5
17.5°	1654.2	1647.3	1629.9	1600.3	1567.3	1525.5	1485.5	1447.2	1395.1	1332.4	1268.1
20°	1737.7	1722.1	1699.5	1664.7	1631.6	1591.6	1548.1	1511.6	1468.1	1419.4	1344.6
22.5°	1812.5	1798.6	1762.1	1715.1	1682.1	1643.8	1605.5	1570.8	1530.7	1475.1	1407.2
25°	1897.8	1866.5	1807.3	1746.4	1706.4	1675.1	1647.3	1619.5	1577.7	1516.8	1436.8
27.5°	1939.5	1896.0	1831.7	1770.8	1732.5	1699.5	1669.9	1642.1	1595.1	1520.3	1428.1
30°	1909.9	1885.6	1840.4	1793.4	1762.1	1730.8	1696.0	1654.2	1579.4	1492.5	1407.2
32.5°	1875.2	1863.0	1842.1	1814.3	1795.1	1763.8	1715.1	1647.3	1542.9	1457.7	1365.5
35°	1836.9	1831.7	1824.7	1812.5	1800.4	1770.8	1709.9	1610.8	1506.4	1409.0	1320.3
37.5°	1796.9	1791.7	1796.9	1795.1	1784.7	1746.4	1654.2	1562.1	1454.2	1355.1	1182.8
40°	1748.2	1744.7	1753.4	1762.1	1749.9	1699.5	1600.3	1489.0	1393.3	1198.5	1139.4
42.5°	1690.8	1689.0	1704.7	1711.6	1694.3	1619.5	1502.9	1421.2	1219.4	1156.8	1017.6
45°	1588.1	1591.6	1598.6	1607.3	1596.8	1515.1	1409.0	1259.4	1170.7	1015.9	579.2
47.5°	1243.7	1247.2	1282.0	1355.1	1405.5	1377.7	1287.2	1175.9	1047.2	581.0	182.6
50°	1073.3	1069.8	1071.5	1088.9	1128.9	1167.2	1139.4	1078.5	624.5	170.5	22.6
52.5°	471.4	523.6	579.2	735.8	836.7	942.8	963.7	674.9	203.5	22.6	22.6
55°	76.5	80.0	100.9	147.9	266.1	401.8	487.1	226.1	20.9	20.9	20.9
57.5°	15.7	15.7	15.7	17.4	26.1	55.7	64.4	19.1	19.1	19.1	20.9
60°	13.9	13.9	13.9	13.9	15.7	15.7	15.7	17.4	17.4	19.1	19.1
62.5°	13.9	13.9	13.9	13.9	13.9	13.9	15.7	15.7	17.4	17.4	19.1
65°	12.2	12.2	12.2	12.2	13.9	13.9	13.9	13.9	15.7	15.7	17.4
67.5°	10.4	10.4	10.4	10.4	12.2	12.2	12.2	13.9	13.9	13.9	15.7
70°	8.7	8.7	8.7	8.7	10.4	10.4	10.4	10.4	12.2	12.2	12.2
72.5°	7.0	7.0	7.0	7.0	8.7	8.7	8.7	8.7	10.4	10.4	10.4
75°	5.2	5.2	7.0	7.0	7.0	7.0	7.0	7.0	8.7	8.7	8.7
77.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	7.0	7.0	7.0	7.0
80°	3.5	3.5	3.5	3.5	3.5	3.5	5.2	5.2	5.2	5.2	5.2
82.5°	1.7	1.7	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.5	3.5	3.5	3.5
87.5°	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7
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°	807.1	807.1	807.1	807.1	807.1	807.1	807.1	807.1
2.5°	975.8	951.5	918.4	810.6	711.4	621.0	575.8	570.5
5°	1099.4	1076.7	1021.1	807.1	617.5	481.8	400.1	377.5
7.5°	1146.3	1127.2	1078.5	800.2	528.8	346.2	254.0	219.2
10°	1158.5	1146.3	1104.6	788.0	436.6	227.9	120.0	92.2
12.5°	1163.7	1155.0	1115.0	768.9	344.4	118.3	81.8	81.8
15°	1172.4	1163.7	1125.4	744.5	254.0	80.0	78.3	78.3
17.5°	1210.7	1182.8	1139.4	708.0	167.0	76.5	76.5	76.5
20°	1273.3	1212.4	1146.3	659.3	104.4	74.8	74.8	76.5
22.5°	1325.5	1243.7	1144.6	586.2	76.5	71.3	73.1	74.8
25°	1348.1	1257.6	1128.9	499.2	66.1	69.6	73.1	73.1
27.5°	1344.6	1262.9	1115.0	400.1	62.6	67.8	71.3	74.8
30°	1325.5	1248.9	1083.7	295.7	59.1	66.1	71.3	74.8
32.5°	1292.4	1195.0	1021.1	191.3	57.4	66.1	71.3	74.8
35°	1184.6	1108.0	930.6	92.2	55.7	64.4	73.1	74.8
37.5°	1122.0	1015.9	709.7	45.2	53.9	64.4	73.1	74.8
40°	1021.1	758.4	320.1	41.7	53.9	64.4	73.1	76.5
42.5°	641.9	311.4	52.2	40.0	52.2	64.4	73.1	76.5
45°	234.8	41.7	27.8	40.0	52.2	62.6	73.1	76.5
47.5°	24.4	24.4	26.1	38.3	50.4	62.6	73.1	76.5
50°	22.6	24.4	26.1	36.5	48.7	62.6	71.3	76.5
52.5°	22.6	24.4	26.1	36.5	47.0	60.9	71.3	76.5
55°	22.6	24.4	24.4	34.8	45.2	59.1	69.6	73.1
57.5°	20.9	22.6	24.4	33.1	43.5	55.7	67.8	71.3
60°	20.9	22.6	24.4	29.6	41.7	52.2	64.4	66.1
62.5°	19.1	20.9	22.6	27.8	38.3	48.7	59.1	62.6
65°	19.1	19.1	20.9	24.4	34.8	43.5	53.9	57.4
67.5°	15.7	17.4	17.4	20.9	29.6	38.3	48.7	52.2
70°	13.9	13.9	15.7	19.1	26.1	33.1	41.7	45.2
72.5°	12.2	12.2	12.2	15.7	22.6	29.6	36.5	40.0
75°	10.4	10.4	10.4	12.2	19.1	24.4	31.3	33.1
77.5°	8.7	8.7	8.7	10.4	15.7	20.9	24.4	27.8
80°	7.0	7.0	7.0	8.7	12.2	15.7	19.1	20.9
82.5°	5.2	5.2	5.2	7.0	8.7	10.4	13.9	13.9
85°	3.5	3.5	3.5	5.2	5.2	7.0	8.7	8.7
87.5°	1.7	1.7	1.7	3.5	3.5	3.5	3.5	3.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)