

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: P1307694

Luminaire Tested: P3SQAS05R359030DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307694
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R359030DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

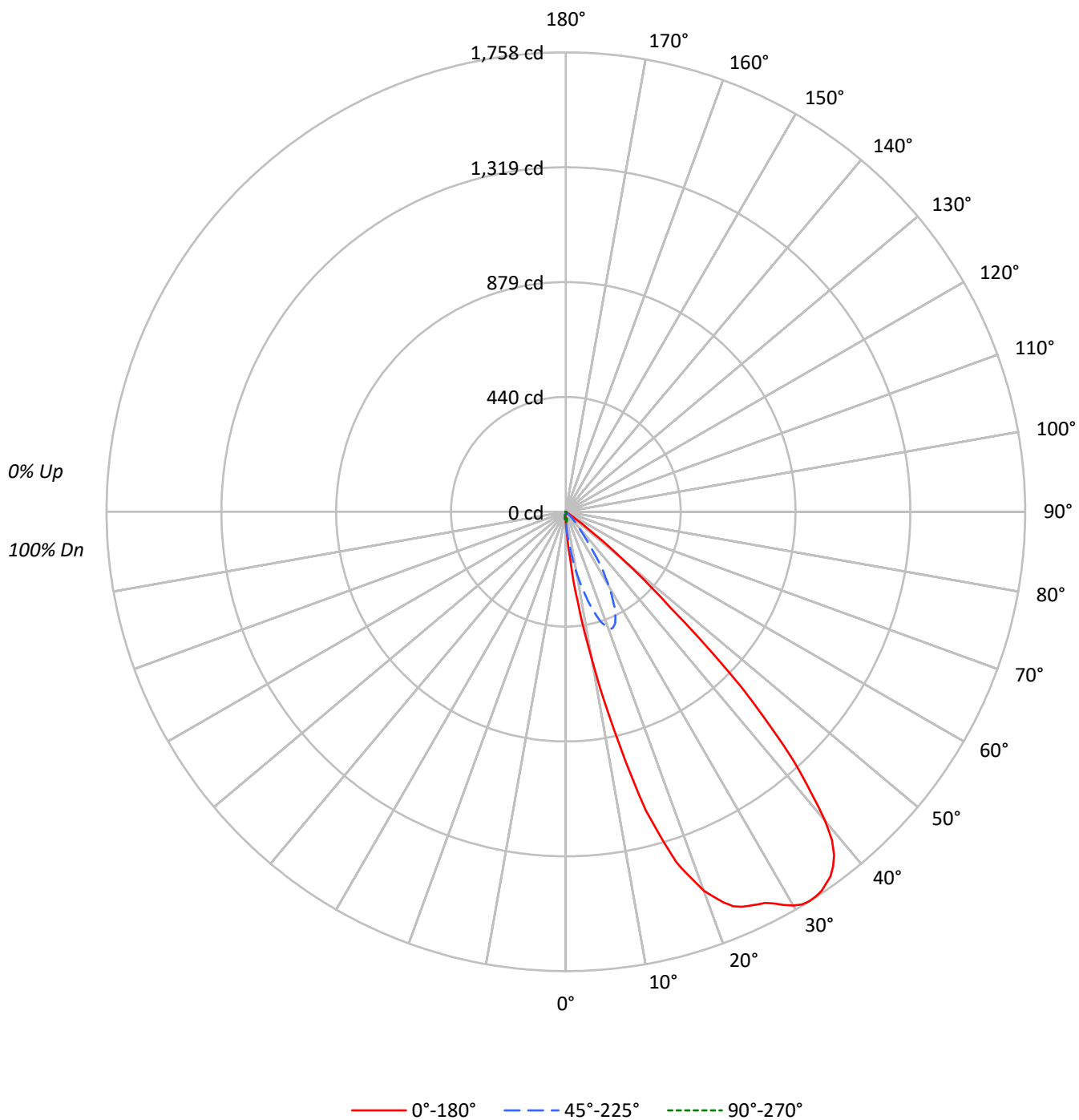
Lumens per Lamp: N/A
Luminaire Lumens: 525.0 lumens
Efficiency: N/A
Efficacy: 72.9 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			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	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96	95	93	91
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	85	83
3	99	91	86	81	97	90	85	80	87	83	79		85	81	78		82	79	76	75
4	93	84	77	72	91	82	76	72	80	75	71		78	73	70		76	72	69	67
5	86	76	70	64	85	75	69	64	74	68	63		72	67	63		70	66	62	61
6	81	70	63	58	79	69	62	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	71	59	52	47	69	59	52	47	57	51	47		56	51	46		55	50	46	45
9	66	54	47	43	65	54	47	43	53	47	42		52	46	42		51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	39		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	6820	6820	6820	6820	6820
5°	29614	18360	6327	2247	1556
10°	99681	41429	4722	525	175
15°	210927	67949	2942	0	0
20°	282812	86836	1375	0	0
25°	316071	85284	285	0	0
30°	346026	65347	0	0	0
35°	365175	35594	0	0	0
40°	347146	15985	0	0	0
45°	232989	7063	0	0	0
50°	77834	670	0	0	0
55°	4204	0	0	0	0
60°	0	0	172	0	0
65°	0	0	408	0	0
70°	0	252	504	0	0
75°	0	333	665	0	0
80°	0	496	992	0	0
85°	0	988	1976	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 232989 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.5	1.6
10°-20°	72.8	13.9
20°-30°	159.8	30.4
30°-40°	184.9	35.2
40°-50°	91.3	17.4
50°-60°	6.8	1.3
60°-70°	0.2	0.0
70°-80°	0.4	0.1
80°-90°	0.3	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°	241.2	45.9
0°-40°	426.0	81.2
0°-60°	524.0	99.8
0°-90°	525.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	525.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	40	40	40	40	40	
5°	171	106	37	13	9	29
15°	1183	381	16	0	0	334
25°	1663	449	2	0	0	769
35°	1737	169	0	0	0	1072
45°	957	29	0	0	0	702
55°	14	0	0	0	0	57
65°	0	0	1	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°	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
2.5°	78.6	80.6	79.6	79.6	79.1	76.6	72.1	70.6	65.1	51.6	40.1
5°	171.3	171.8	170.3	162.8	156.3	150.3	137.2	131.2	106.2	63.1	36.6
7.5°	347.6	340.1	330.6	320.0	297.0	276.0	248.4	219.4	164.3	73.1	32.6
10°	570.0	559.4	551.4	526.4	484.8	441.7	389.2	341.6	236.9	80.1	27.0
12.5°	857.0	850.9	822.4	772.3	710.7	648.6	556.9	481.3	310.0	81.6	22.0
15°	1183.0	1173.0	1129.4	1058.3	974.7	877.0	754.3	627.1	381.1	77.1	16.5
17.5°	1405.9	1400.4	1362.8	1288.2	1192.0	1067.8	922.6	763.8	439.7	67.6	11.5
20°	1543.1	1535.1	1500.0	1436.9	1336.3	1206.5	1034.3	850.9	473.8	55.6	7.5
21°	1578.7	1570.7	1542.6	1477.0	1380.8	1241.6	1064.8	872.0	480.3	50.1	6.0
22°	1612.2	1604.2	1574.7	1516.6	1421.4	1276.2	1088.8	888.0	479.3	45.6	4.5
23°	1640.3	1631.8	1602.7	1549.1	1453.5	1306.7	1106.9	896.0	472.8	41.1	3.5
24°	1654.8	1649.8	1623.8	1573.2	1479.5	1328.3	1119.4	899.0	464.8	36.6	2.5
25°	1663.3	1657.3	1631.8	1585.2	1496.5	1345.3	1127.4	896.5	448.8	32.6	1.5
26°	1672.3	1663.3	1634.3	1589.2	1505.6	1353.3	1127.9	890.0	431.7	29.0	0.5
27°	1680.4	1671.8	1641.8	1592.2	1507.1	1350.8	1123.9	877.5	411.2	25.5	0.5
28°	1697.9	1688.4	1653.8	1598.7	1508.6	1344.3	1111.4	860.5	384.2	22.5	0.0
29°	1720.9	1710.9	1671.3	1614.2	1512.1	1337.3	1094.4	837.9	360.6	20.0	0.0
30°	1740.0	1730.9	1694.4	1633.8	1521.1	1330.8	1074.3	807.4	328.6	17.0	0.0
31°	1754.0	1745.0	1711.4	1650.3	1529.1	1324.7	1049.3	775.8	299.5	15.0	0.0
32°	1757.5	1750.0	1718.4	1657.3	1529.1	1315.7	1026.2	740.3	271.0	12.5	0.0
33°	1756.0	1748.5	1716.4	1652.3	1515.6	1294.2	998.2	697.7	238.4	11.0	0.0
34°	1750.5	1741.5	1707.4	1636.3	1489.0	1257.6	957.6	655.1	204.3	9.0	0.0
35°	1736.9	1728.9	1691.9	1606.2	1448.0	1202.0	903.5	606.0	169.3	7.5	0.0
36°	1723.9	1711.9	1666.3	1569.2	1393.9	1144.9	838.9	549.4	139.2	6.0	0.0
37°	1699.9	1682.9	1636.8	1515.6	1317.2	1064.3	765.3	487.3	116.7	4.5	0.0
38°	1667.8	1644.8	1586.2	1453.5	1240.1	988.7	696.2	431.2	98.2	3.0	0.0
39°	1618.2	1591.2	1511.6	1368.3	1151.0	901.0	617.0	371.6	83.6	2.0	0.0
40°	1544.1	1518.6	1430.4	1267.1	1062.3	804.4	535.9	304.5	71.1	1.0	0.0
42.5°	1285.7	1250.6	1148.4	986.2	785.3	578.5	354.6	169.3	47.1	0.0	0.0
45°	956.6	925.6	825.4	677.6	523.4	354.1	189.8	99.7	29.0	0.0	0.0
47.5°	540.4	536.9	471.8	389.2	292.0	188.3	96.2	60.1	12.5	0.0	0.0
50°	290.5	272.5	234.9	178.3	121.7	82.1	52.1	33.1	2.5	0.0	0.0
52.5°	106.2	102.7	86.1	71.6	55.1	37.6	26.5	14.5	0.0	0.0	0.0
55°	14.0	13.0	13.5	14.5	15.0	13.0	8.5	3.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.5	1.0	1.0	1.0	0.0	0.0	0.0	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	1.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0



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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	0.0	0.5	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0
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):

	112.5°	135°	157.5°	180°
0°	39.6	39.6	39.6	39.6
2.5°	30.6	23.5	20.0	19.5
5°	21.0	13.0	9.5	9.0
7.5°	14.5	6.5	4.5	4.0
10°	8.5	3.0	1.5	1.0
12.5°	5.0	0.5	0.0	0.0
15°	1.5	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)