

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: P1311018

Luminaire Tested: P3SQAS05R359050DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311018
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: P3SQAS05R359050DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

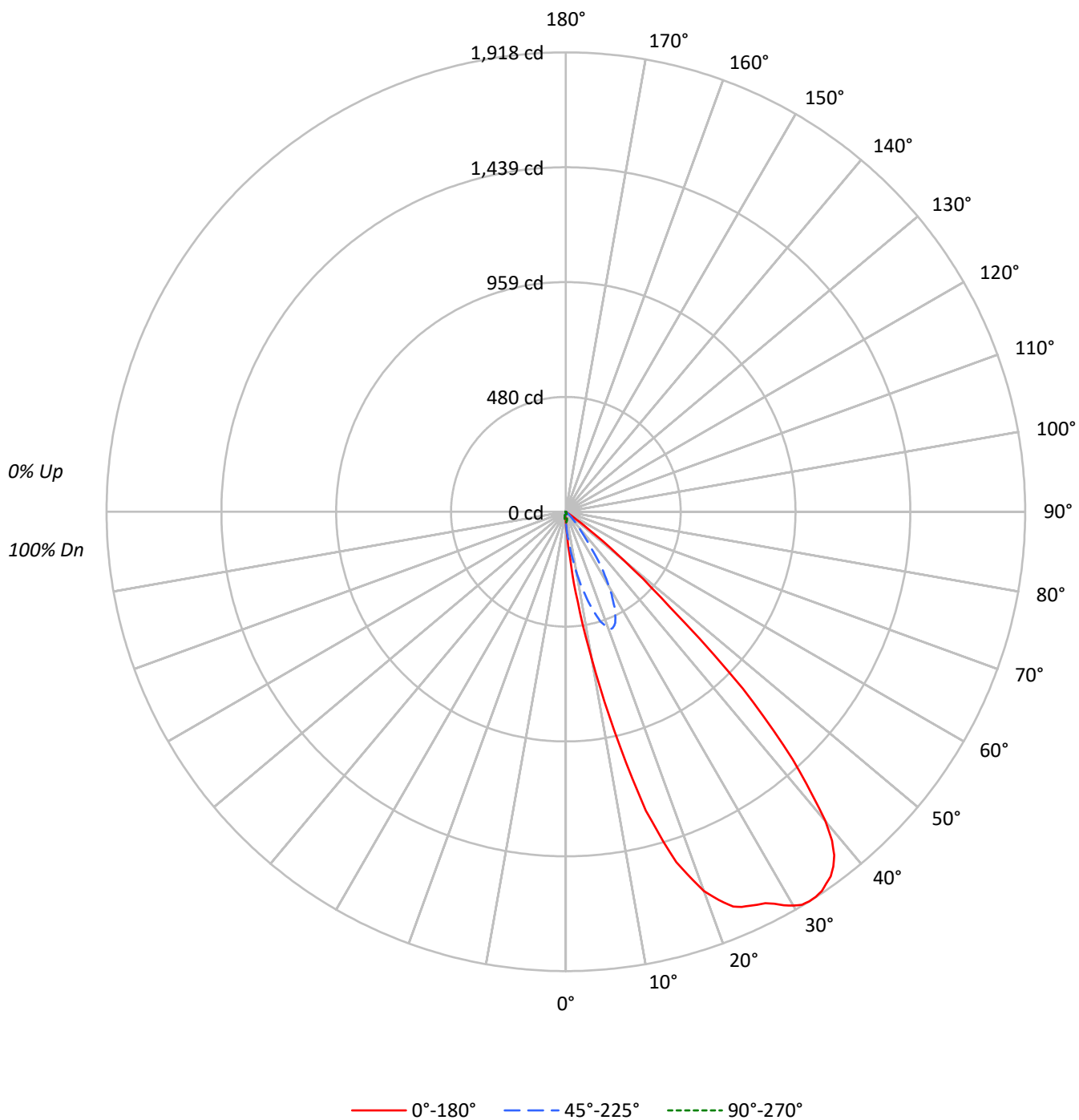
Lumens per Lamp: N/A
Luminaire Lumens: 573.0 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			
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	55	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°	7440	7440	7440	7440	7440
5°	32329	20037	6898	2455	1694
10°	108793	45224	5159	577	192
15°	230218	74172	3209	0	0
20°	308673	94772	1503	0	0
25°	344974	93075	304	0	0
30°	377646	71313	0	0	0
35°	398583	38853	0	0	0
40°	378890	17446	0	0	0
45°	254301	7721	0	0	0
50°	84961	723	0	0	0
55°	4594	0	0	0	0
60°	0	0	172	0	0
65°	0	0	448	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: 0°

Vertical Angle: 45°

Luminance: 254301 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.3	1.6
10°-20°	79.5	13.9
20°-30°	174.4	30.4
30°-40°	201.8	35.2
40°-50°	99.6	17.4
50°-60°	7.4	1.3
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°	263.2	45.9
0°-40°	465.0	81.2
0°-60°	572.0	99.8
0°-90°	573.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	573.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	43	43	43	43	43	
5°	187	116	40	14	10	32
15°	1291	416	18	0	0	364
25°	1815	490	2	0	0	839
35°	1896	185	0	0	0	1171
45°	1044	32	0	0	0	766
55°	15	0	0	0	0	63
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°	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
2.5°	85.8	88.0	86.9	86.9	86.4	83.6	78.7	77.1	71.1	56.3	43.7
5°	187.0	187.5	185.9	177.7	170.6	164.0	149.8	143.2	115.9	68.9	39.9
7.5°	379.4	371.2	360.8	349.3	324.2	301.2	271.1	239.4	179.3	79.8	35.5
10°	622.1	610.6	601.9	574.5	529.1	482.1	424.7	372.8	258.6	87.5	29.5
12.5°	935.3	928.7	897.6	842.9	775.7	707.9	607.9	525.3	338.4	89.1	24.1
15°	1291.2	1280.2	1232.7	1155.1	1063.8	957.2	823.2	684.4	416.0	84.2	18.0
17.5°	1534.4	1528.4	1487.4	1406.0	1301.0	1165.4	1006.9	833.6	480.0	73.8	12.6
20°	1684.2	1675.5	1637.2	1568.3	1458.4	1316.9	1128.8	928.7	517.1	60.7	8.2
21°	1723.0	1714.3	1683.7	1612.0	1507.1	1355.1	1162.2	951.7	524.2	54.7	6.6
22°	1759.6	1750.9	1718.6	1655.2	1551.4	1392.8	1188.4	969.2	523.1	49.7	4.9
23°	1790.3	1781.0	1749.3	1690.8	1586.4	1426.2	1208.1	977.9	516.0	44.8	3.8
24°	1806.1	1800.6	1772.2	1717.0	1614.8	1449.7	1221.7	981.2	507.3	39.9	2.7
25°	1815.4	1808.8	1781.0	1730.1	1633.4	1468.3	1230.5	978.5	489.8	35.5	1.6
26°	1825.2	1815.4	1783.7	1734.5	1643.2	1477.0	1231.0	971.4	471.2	31.7	0.5
27°	1834.0	1824.7	1791.9	1737.8	1644.8	1474.3	1226.7	957.7	448.8	27.9	0.5
28°	1853.1	1842.7	1805.0	1744.9	1646.5	1467.2	1213.0	939.1	419.3	24.6	0.0
29°	1878.3	1867.3	1824.1	1761.8	1650.3	1459.5	1194.4	914.5	393.6	21.9	0.0
30°	1899.0	1889.2	1849.3	1783.1	1660.2	1452.4	1172.5	881.2	358.6	18.6	0.0
31°	1914.3	1904.5	1867.9	1801.2	1668.9	1445.9	1145.2	846.7	326.9	16.4	0.0
32°	1918.2	1910.0	1875.5	1808.8	1668.9	1436.0	1120.1	807.9	295.7	13.7	0.0
33°	1916.5	1908.3	1873.3	1803.4	1654.1	1412.5	1089.5	761.5	260.2	12.0	0.0
34°	1910.5	1900.7	1863.5	1785.9	1625.2	1372.6	1045.2	715.0	223.0	9.8	0.0
35°	1895.8	1887.0	1846.6	1753.1	1580.3	1311.9	986.1	661.4	184.8	8.2	0.0
36°	1881.5	1868.4	1818.7	1712.6	1521.3	1249.6	915.6	599.7	152.0	6.6	0.0
37°	1855.3	1836.7	1786.4	1654.1	1437.7	1161.6	835.3	531.9	127.4	4.9	0.0
38°	1820.3	1795.2	1731.2	1586.4	1353.5	1079.1	759.8	470.7	107.1	3.3	0.0
39°	1766.2	1736.7	1649.8	1493.4	1256.2	983.4	673.5	405.6	91.3	2.2	0.0
40°	1685.3	1657.4	1561.2	1383.0	1159.4	877.9	584.9	332.4	77.6	1.1	0.0
42.5°	1403.2	1365.0	1253.4	1076.3	857.1	631.4	387.0	184.8	51.4	0.0	0.0
45°	1044.1	1010.2	900.9	739.6	571.2	386.5	207.2	108.8	31.7	0.0	0.0
47.5°	589.8	586.0	514.9	424.7	318.7	205.5	105.0	65.6	13.7	0.0	0.0
50°	317.1	297.4	256.4	194.6	132.8	89.6	56.9	36.1	2.7	0.0	0.0
52.5°	115.9	112.1	94.0	78.2	60.1	41.0	29.0	15.9	0.0	0.0	0.0
55°	15.3	14.2	14.8	15.9	16.4	14.2	9.3	3.3	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.5	1.1	1.1	1.1	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	1.1
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	0.0	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	0.0	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	0.0	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	0.0	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°	43.2	43.2	43.2	43.2
2.5°	33.3	25.7	21.9	21.3
5°	23.0	14.2	10.4	9.8
7.5°	15.9	7.1	4.9	4.4
10°	9.3	3.3	1.6	1.1
12.5°	5.5	0.5	0.0	0.0
15°	1.6	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)