

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: P1308812

Luminaire Tested: P3SQAS05R359035DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308812
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: P3SQAS05R359035DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

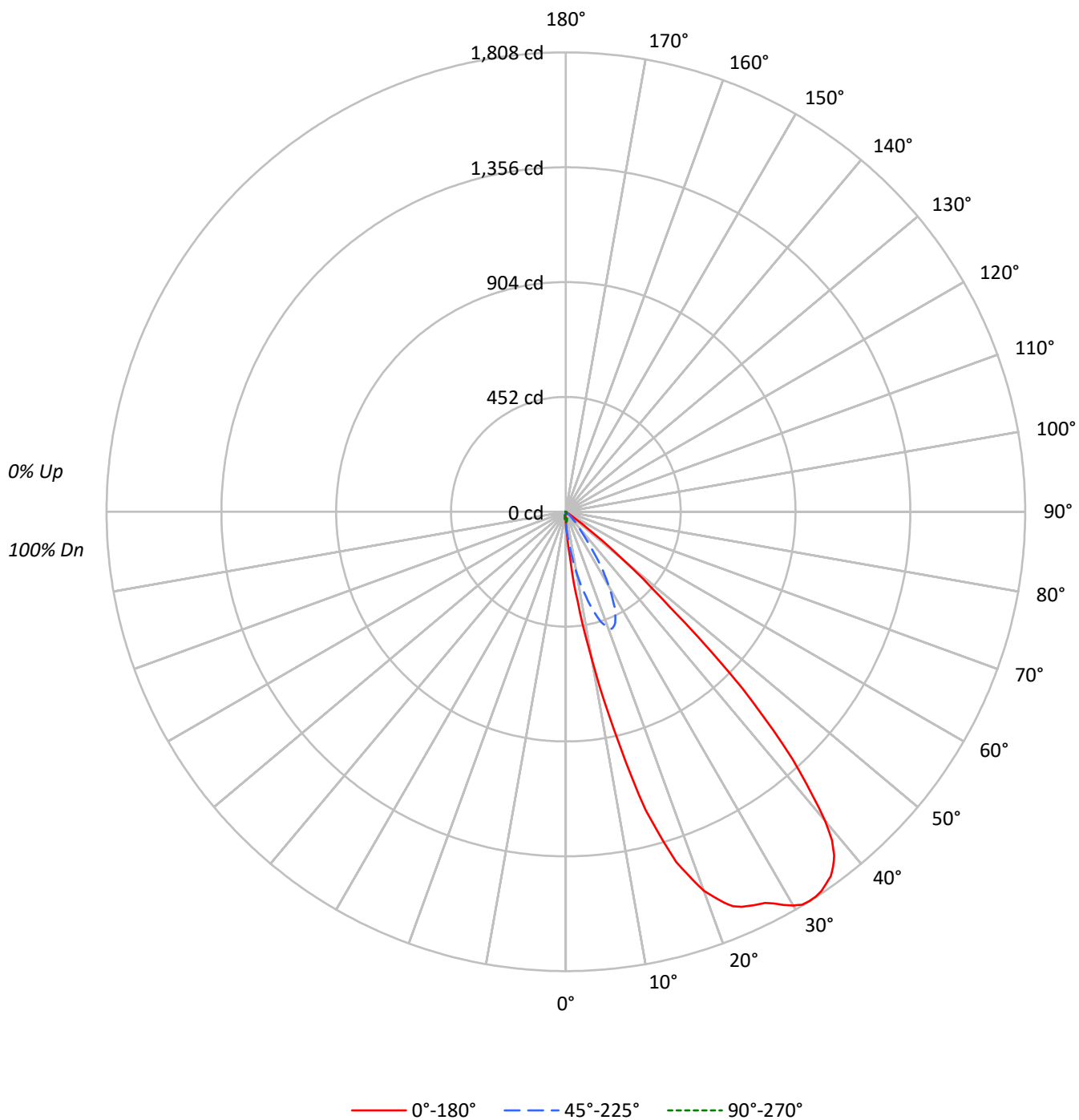
Lumens per Lamp: N/A
Luminaire Lumens: 540.0 lumens
Efficiency: N/A
Efficacy: 75.0 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			0
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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
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°	7009	7009	7009	7009	7009
5°	30462	18879	6500	2317	1608
10°	102532	42618	4862	542	175
15°	216953	69893	3031	0	0
20°	290895	89310	1411	0	0
25°	325098	87716	285	0	0
30°	355910	67197	0	0	0
35°	375624	36604	0	0	0
40°	357060	16457	0	0	0
45°	239663	7282	0	0	0
50°	80058	697	0	0	0
55°	4324	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: 239663 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.7	1.6
10°-20°	74.9	13.9
20°-30°	164.4	30.4
30°-40°	190.1	35.2
40°-50°	93.9	17.4
50°-60°	6.9	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°	248.1	45.9
0°-40°	438.2	81.2
0°-60°	539.0	99.8
0°-90°	540.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	540.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	41	41	41	41	41	
5°	176	109	38	13	9	30
15°	1217	392	17	0	0	343
25°	1711	462	2	0	0	791
35°	1787	174	0	0	0	1103
45°	984	30	0	0	0	722
55°	14	0	0	0	0	59
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°	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
2.5°	80.9	82.9	81.9	81.9	81.4	78.8	74.2	72.6	67.0	53.1	41.2
5°	176.2	176.7	175.2	167.4	160.7	154.5	141.2	135.0	109.2	64.9	37.6
7.5°	357.5	349.8	340.0	329.2	305.5	283.9	255.5	225.6	169.0	75.2	33.5
10°	586.3	575.4	567.2	541.4	498.7	454.4	400.3	351.3	243.7	82.4	27.8
12.5°	881.4	875.3	845.9	794.4	731.0	667.1	572.9	495.1	318.9	84.0	22.7
15°	1216.8	1206.5	1161.7	1088.5	1002.5	902.0	775.8	645.0	392.0	79.3	17.0
17.5°	1446.1	1440.4	1401.7	1325.0	1226.1	1098.3	948.9	785.6	452.3	69.5	11.8
20°	1587.2	1579.0	1542.9	1478.0	1374.4	1241.0	1063.8	875.3	487.3	57.2	7.7
21°	1623.8	1615.5	1586.7	1519.2	1420.3	1277.1	1095.2	896.9	494.0	51.5	6.2
22°	1658.3	1650.1	1619.7	1559.9	1462.0	1312.6	1120.0	913.4	493.0	46.9	4.6
23°	1687.1	1678.4	1648.5	1593.4	1495.0	1344.1	1138.5	921.6	486.3	42.2	3.6
24°	1702.1	1696.9	1670.1	1618.1	1521.8	1366.2	1151.4	924.7	478.1	37.6	2.6
25°	1710.8	1704.7	1678.4	1630.5	1539.3	1383.7	1159.6	922.1	461.6	33.5	1.5
26°	1720.1	1710.8	1681.0	1634.6	1548.6	1392.0	1160.1	915.4	444.1	29.9	0.5
27°	1728.4	1719.6	1688.7	1637.7	1550.1	1389.4	1156.0	902.6	422.9	26.3	0.5
28°	1746.4	1736.6	1701.1	1644.4	1551.7	1382.7	1143.1	885.0	395.1	23.2	0.0
29°	1770.1	1759.8	1719.1	1660.4	1555.3	1375.5	1125.6	861.9	370.9	20.6	0.0
30°	1789.7	1780.4	1742.8	1680.5	1564.5	1368.8	1105.0	830.4	337.9	17.5	0.0
31°	1804.1	1794.8	1760.3	1697.5	1572.8	1362.6	1079.3	798.0	308.1	15.5	0.0
32°	1807.7	1800.0	1767.5	1704.7	1572.8	1353.3	1055.6	761.4	278.7	12.9	0.0
33°	1806.1	1798.4	1765.5	1699.5	1558.9	1331.2	1026.7	717.6	245.2	11.3	0.0
34°	1800.5	1791.2	1756.2	1683.0	1531.6	1293.6	985.0	673.8	210.2	9.3	0.0
35°	1786.6	1778.3	1740.2	1652.1	1489.3	1236.4	929.3	623.3	174.1	7.7	0.0
36°	1773.2	1760.8	1713.9	1614.0	1433.7	1177.7	862.9	565.1	143.2	6.2	0.0
37°	1748.5	1730.9	1683.5	1558.9	1354.9	1094.7	787.2	501.3	120.0	4.6	0.0
38°	1715.5	1691.8	1631.5	1495.0	1275.5	1016.9	716.1	443.6	101.0	3.1	0.0
39°	1664.5	1636.7	1554.8	1407.4	1183.8	926.8	634.7	382.2	86.0	2.1	0.0
40°	1588.2	1562.0	1471.3	1303.4	1092.7	827.3	551.2	313.2	73.2	1.0	0.0
42.5°	1322.4	1286.4	1181.3	1014.3	807.8	595.0	364.7	174.1	48.4	0.0	0.0
45°	984.0	952.0	849.0	697.0	538.3	364.2	195.2	102.5	29.9	0.0	0.0
47.5°	555.9	552.3	485.3	400.3	300.3	193.7	98.9	61.8	12.9	0.0	0.0
50°	298.8	280.2	241.6	183.4	125.2	84.5	53.6	34.0	2.6	0.0	0.0
52.5°	109.2	105.6	88.6	73.7	56.7	38.6	27.3	14.9	0.0	0.0	0.0
55°	14.4	13.4	13.9	14.9	15.5	13.4	8.8	3.1	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°	40.7	40.7	40.7	40.7
2.5°	31.4	24.2	20.6	20.1
5°	21.6	13.4	9.8	9.3
7.5°	14.9	6.7	4.6	4.1
10°	8.8	3.1	1.5	1.0
12.5°	5.2	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)