

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: P1306559

Luminaire Tested: P3SQAS05R309027DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306559
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R309027DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

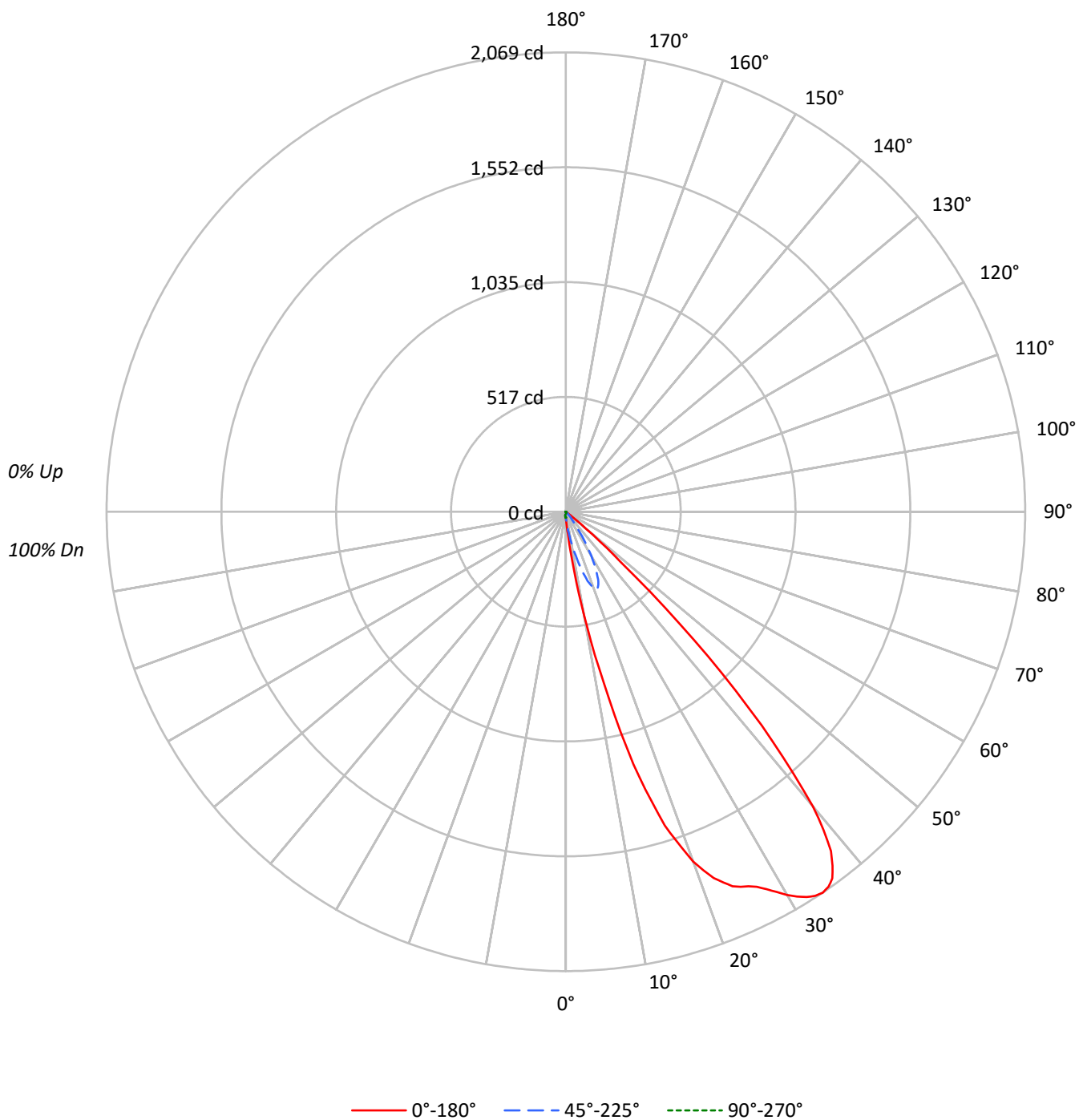
Lumens per Lamp: N/A
Luminaire Lumens: 498.0 lumens
Efficiency: N/A
Efficacy: 69.2 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4581	4581	4581	4581	4581
5°	16648	10338	4201	1694	1210
10°	82386	24763	3270	332	0
15°	210142	47160	2086	0	0
20°	307060	67061	861	0	0
25°	354248	65806	171	0	0
30°	396478	45162	0	0	0
35°	433609	19448	0	0	0
40°	389165	7554	0	0	0
45°	198745	3069	0	0	0
50°	30678	375	0	0	0
55°	1832	0	150	0	0
60°	0	0	172	0	0
65°	0	0	367	0	0
70°	0	252	453	0	0
75°	0	333	932	0	0
80°	0	496	1389	0	0
85°	0	988	2766	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 198745 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.6	1.1
10°-20°	66.4	13.3
20°-30°	164.0	32.9
30°-40°	188.6	37.9
40°-50°	69.9	14.0
50°-60°	2.5	0.5
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°	235.9	47.4
0°-40°	424.5	85.2
0°-60°	497.0	99.8
0°-90°	498.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	498.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	27	27	27	27	27	
5°	96	60	24	10	7	21
15°	1179	264	12	0	0	339
25°	1864	346	1	0	0	861
35°	2062	92	0	0	0	1250
45°	816	13	0	0	0	635
55°	6	0	0	0	0	21
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°	45°	67.5°	90°	112.5°
0°	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
2.5°	47.2	47.7	47.7	46.3	45.8	45.3	43.9	39.7	33.2	26.6	21.5
5°	96.3	96.7	96.7	93.9	88.3	82.7	78.0	59.8	38.3	24.3	15.9
7.5°	227.1	227.6	217.8	206.6	184.1	172.5	151.0	92.1	43.5	22.0	10.3
10°	471.1	460.8	435.1	402.4	367.8	322.9	277.6	141.6	47.2	18.7	6.5
12.5°	787.5	777.7	744.5	697.7	630.0	542.1	456.1	199.1	47.7	15.0	3.7
15°	1178.6	1151.1	1111.3	1033.8	933.8	797.8	655.7	264.5	45.8	11.7	0.9
17.5°	1482.0	1456.7	1406.2	1315.6	1191.3	1040.3	866.0	326.7	40.7	7.5	0.0
20°	1675.4	1648.8	1601.6	1521.7	1389.4	1212.3	1012.7	365.9	33.6	4.7	0.0
21°	1730.6	1704.9	1658.6	1579.2	1447.4	1270.7	1048.7	374.3	30.4	3.7	0.0
22°	1779.2	1759.1	1716.1	1629.6	1495.5	1313.7	1085.2	375.3	28.0	2.8	0.0
23°	1813.3	1798.8	1755.8	1676.4	1542.7	1348.8	1104.8	369.7	25.2	1.9	0.0
24°	1846.0	1828.3	1791.3	1717.5	1580.1	1378.2	1122.6	359.4	22.4	1.4	0.0
25°	1864.2	1843.7	1815.2	1746.0	1610.9	1396.9	1133.3	346.3	19.6	0.9	0.0
26°	1876.9	1861.0	1829.7	1762.8	1624.0	1409.0	1134.7	327.1	17.8	0.5	0.0
27°	1896.0	1880.1	1849.8	1777.8	1629.6	1407.2	1126.3	305.2	15.4	0.0	0.0
28°	1925.0	1904.0	1873.6	1793.7	1632.0	1399.2	1107.6	281.3	13.1	0.0	0.0
29°	1958.2	1936.7	1903.5	1814.7	1632.4	1383.3	1078.2	255.2	11.7	0.0	0.0
30°	1993.7	1975.0	1941.4	1835.3	1637.6	1362.8	1044.1	227.1	9.3	0.0	0.0
31°	2021.7	2004.9	1968.9	1854.0	1641.8	1345.0	1002.0	199.1	7.9	0.0	0.0
32°	2046.0	2031.1	1986.7	1858.2	1633.4	1319.8	957.1	172.0	6.5	0.0	0.0
33°	2062.9	2044.2	1992.3	1847.4	1609.1	1278.2	907.1	146.3	5.1	0.0	0.0
34°	2068.9	2046.5	1983.9	1819.4	1560.0	1215.1	842.2	119.6	4.2	0.0	0.0
35°	2062.4	2034.8	1953.5	1771.2	1493.6	1139.9	764.1	92.5	3.3	0.0	0.0
36°	2041.4	2006.3	1910.0	1702.5	1398.8	1051.1	686.1	72.0	2.3	0.0	0.0
37°	1996.0	1957.2	1835.7	1611.9	1304.8	949.2	597.3	56.1	1.4	0.0	0.0
38°	1940.4	1884.3	1736.7	1497.4	1183.3	834.7	509.4	46.3	0.9	0.0	0.0
39°	1845.5	1783.9	1618.9	1365.6	1064.1	725.8	423.9	40.2	0.5	0.0	0.0
40°	1731.0	1657.7	1484.3	1224.4	923.5	611.8	353.8	33.6	0.5	0.0	0.0
42.5°	1305.8	1243.6	1057.1	832.8	564.6	360.8	196.3	22.0	0.0	0.0	0.0
45°	816.0	751.0	624.8	456.6	305.6	186.9	94.4	12.6	0.0	0.0	0.0
47.5°	333.2	305.6	251.4	193.5	138.3	87.9	39.3	5.6	0.0	0.0	0.0
50°	114.5	101.9	85.5	62.6	44.4	30.4	20.6	1.4	0.0	0.0	0.0
52.5°	33.2	33.6	29.4	25.2	19.6	14.0	10.3	0.0	0.0	0.0	0.0
55°	6.1	5.1	6.1	5.6	6.1	5.1	3.7	0.0	0.0	0.5	0.0
57.5°	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.0	0.5	0.5	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.9	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.9	0.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.9	0.9	0.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.9	0.9	0.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.9	1.4	0.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.9	1.4	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.9	1.4	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.9	1.4	0.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.9	1.4	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.9	1.4	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.9	1.4	0.5
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):

	135°	157.5°	180°
0°	26.6	26.6	26.6
2.5°	17.3	15.4	14.5
5°	9.8	7.5	7.0
7.5°	5.1	3.3	2.8
10°	1.9	0.5	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.0	0.0	0.0
85°	0.0	0.0	0.0
87.5°	0.0	0.0	0.0
90°	0.0	0.0	0.0

(END OF REPORT)