

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: P1308220

Luminaire Tested: P3SQAS17R559030DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308220
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R559030DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

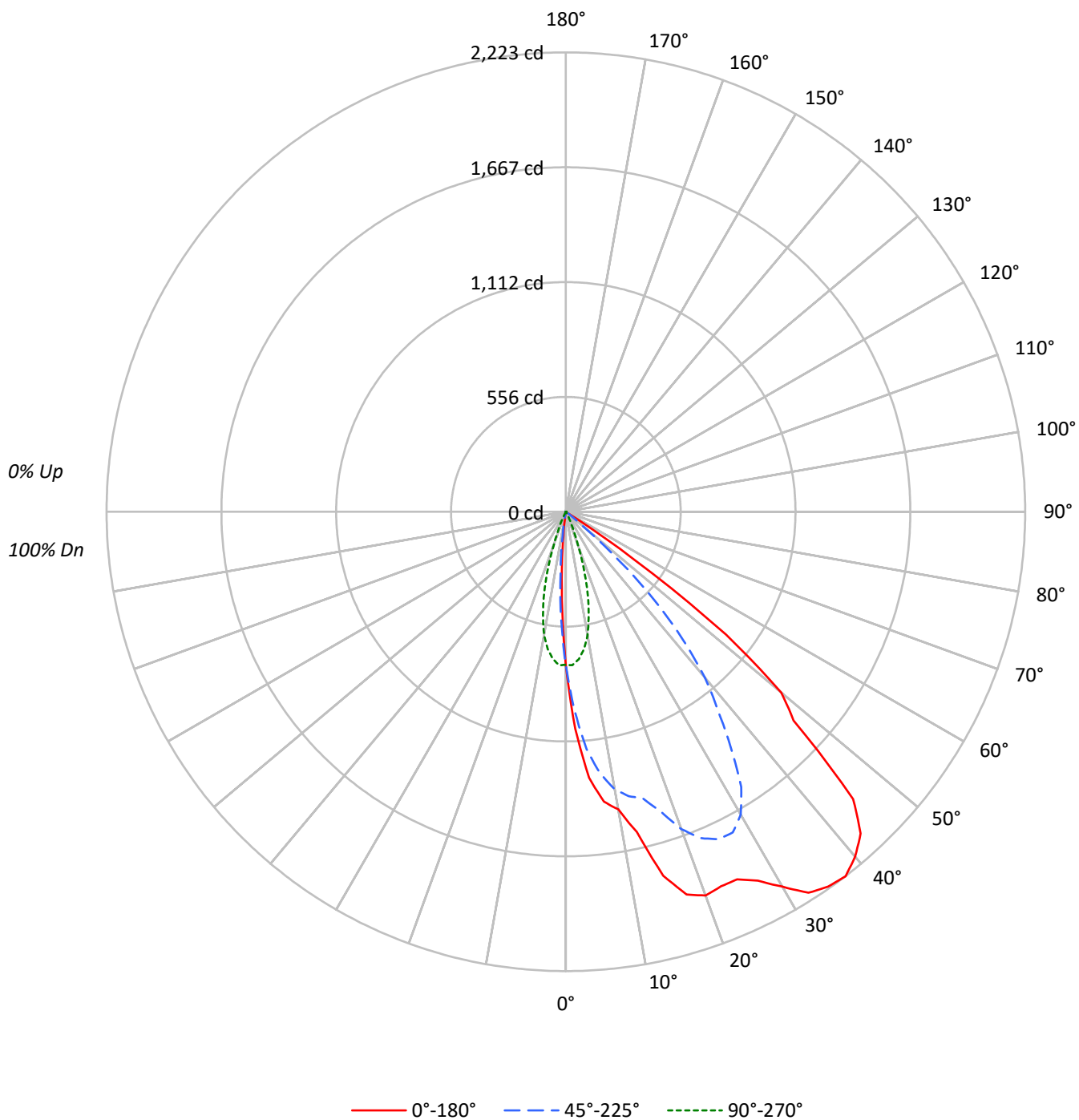
Lumens per Lamp: N/A
Luminaire Lumens: 1370.0 lumens
Efficiency: N/A
Efficacy: 64.6 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82		
3	98	90	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73		
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66		
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59		
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	127496	127496	127496	127496	127496
5°	223465	199210	123748	51415	29597
10°	255779	238431	105820	5631	2029
15°	325037	255947	72532	1141	695
20°	362189	299436	31853	0	0
25°	372851	332243	9045	0	0
30°	416564	336679	1273	0	0
35°	465567	292346	0	0	0
40°	489749	235320	0	0	0
45°	478814	148644	0	0	0
50°	364600	30357	0	0	0
55°	119444	0	0	0	0
60°	0	0	0	0	0
65°	0	530	530	0	0
70°	0	655	655	0	0
75°	0	865	865	0	0
80°	0	1289	2579	1289	0
85°	0	2569	2569	2569	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 478814 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.6	4.9
10°-20°	198.2	14.5
20°-30°	322.4	23.5
30°-40°	383.1	28.0
40°-50°	313.3	22.9
50°-60°	83.0	6.1
60°-70°	0.5	0.0
70°-80°	0.9	0.1
80°-90°	1.0	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°	588.2	42.9
0°-40°	971.3	70.9
0°-60°	1367.7	99.8
0°-90°	1370.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1370.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	740	740	740	740	740	
5°	1293	1152	716	297	171	127
15°	1823	1436	407	6	4	510
25°	1962	1748	48	0	0	924
35°	2214	1390	0	0	0	1377
45°	1966	610	0	0	0	1411
55°	398	0	0	0	0	447
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3
2.5°	1050.6	1042.8	1044.1	1040.3	1044.1	1027.4	1009.4	992.6	979.8	961.7	852.3
5°	1292.6	1279.7	1275.9	1270.7	1265.6	1245.0	1228.2	1207.6	1183.2	1152.3	951.4
7.5°	1414.9	1404.6	1399.5	1402.0	1390.5	1382.7	1360.8	1337.7	1311.9	1278.4	1026.1
10°	1462.6	1452.3	1451.0	1449.7	1448.4	1443.2	1432.9	1412.3	1389.2	1363.4	1068.6
12.5°	1587.4	1564.3	1548.8	1530.8	1508.9	1480.6	1457.4	1439.4	1430.4	1409.8	1087.9
15°	1823.0	1801.2	1784.4	1761.2	1720.0	1659.5	1604.2	1533.4	1471.6	1435.5	1080.2
17.5°	1941.5	1931.2	1917.0	1901.6	1873.3	1829.5	1772.8	1698.2	1619.6	1517.9	1042.8
20°	1976.2	1971.1	1960.8	1954.4	1935.0	1904.2	1865.5	1807.6	1734.2	1633.8	984.9
22.5°	1962.1	1965.9	1971.1	1987.8	1990.4	1968.5	1932.5	1877.1	1802.4	1709.7	896.1
25°	1962.1	1959.5	1959.5	1994.3	2016.2	2005.9	1980.1	1929.9	1853.9	1748.4	786.6
27.5°	2012.3	1996.8	1964.7	2000.7	2036.8	2032.9	2009.7	1950.5	1865.5	1749.7	652.7
30°	2094.7	2061.2	2008.4	2041.9	2075.4	2061.2	2023.9	1947.9	1839.8	1693.0	489.2
32.5°	2186.1	2170.7	2143.6	2165.5	2160.4	2103.7	2036.8	1931.2	1787.0	1579.7	329.6
35°	2214.4	2217.0	2199.0	2195.1	2165.5	2107.6	2036.8	1883.6	1676.3	1390.5	195.7
37.5°	2223.4	2224.7	2196.4	2160.4	2116.6	2048.3	1963.4	1785.7	1471.6	1207.6	104.3
40°	2178.4	2177.1	2130.7	2087.0	2038.0	1971.1	1847.5	1579.7	1277.2	1046.7	37.3
42.5°	2111.4	2094.7	2050.9	1996.8	1937.6	1853.9	1660.8	1333.8	1109.8	838.1	2.6
45°	1965.9	1950.5	1915.7	1857.8	1792.1	1673.7	1368.6	1145.8	902.5	610.3	0.0
47.5°	1494.7	1487.0	1523.1	1530.8	1529.5	1394.3	1142.0	934.7	663.0	355.3	0.0
50°	1360.8	1350.5	1314.5	1268.1	1185.7	1072.5	915.4	692.7	388.8	113.3	0.0
52.5°	977.2	1010.7	1018.4	983.6	906.4	794.4	630.9	399.1	135.2	0.0	0.0
55°	397.8	377.2	392.7	412.0	427.4	392.7	291.0	141.6	1.3	0.0	0.0
57.5°	0.0	1.3	7.7	18.0	29.6	37.3	39.9	2.6	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
65°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	1.3	1.3	1.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	2.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	2.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
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):

	90°	112.5°	135°	157.5°	180°
0°	740.3	740.3	740.3	740.3	740.3
2.5°	742.9	628.3	517.6	457.0	427.4
5°	715.8	480.2	297.4	206.0	171.2
7.5°	670.8	329.6	118.4	48.9	34.8
10°	605.1	189.3	32.2	12.9	11.6
12.5°	511.1	86.3	11.6	9.0	9.0
15°	406.8	29.6	6.4	5.1	3.9
17.5°	285.8	7.7	2.6	0.0	0.0
20°	173.8	1.3	0.0	0.0	0.0
22.5°	96.6	0.0	0.0	0.0	0.0
25°	47.6	0.0	0.0	0.0	0.0
27.5°	20.6	0.0	0.0	0.0	0.0
30°	6.4	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	1.3	0.0	0.0	0.0	0.0
65°	1.3	1.3	0.0	0.0	0.0
67.5°	1.3	1.3	0.0	0.0	0.0
70°	1.3	1.3	0.0	0.0	0.0
72.5°	1.3	1.3	0.0	0.0	0.0
75°	1.3	1.3	0.0	0.0	0.0
77.5°	2.6	1.3	1.3	0.0	0.0
80°	2.6	1.3	1.3	0.0	0.0
82.5°	2.6	1.3	1.3	0.0	0.0
85°	1.3	1.3	1.3	0.0	0.0
87.5°	2.6	1.3	1.3	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)