

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: P1311847

Luminaire Tested: P3SQAS24R709050D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311847
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-57)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R709050D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

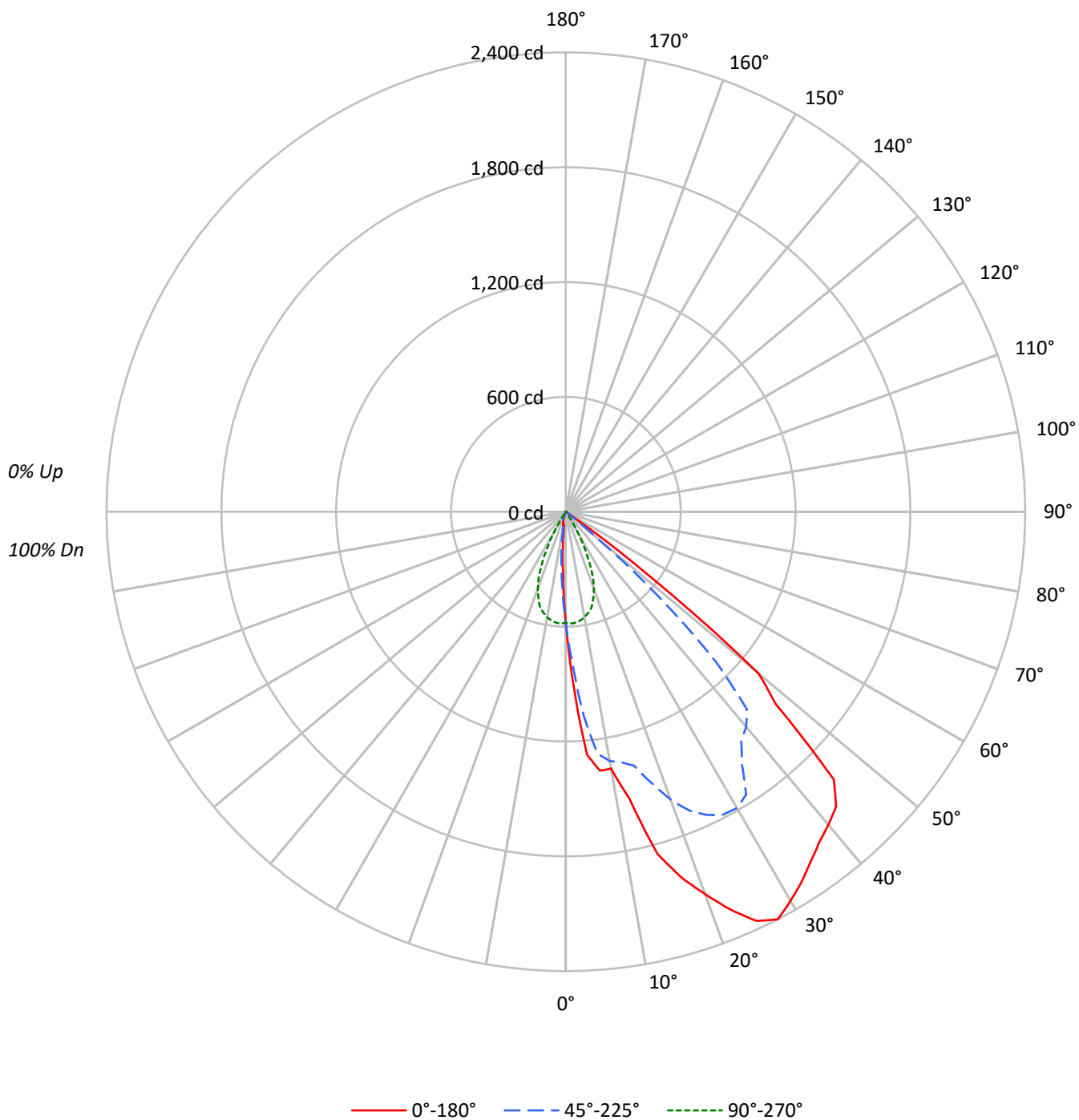
Lumens per Lamp: N/A
Luminaire Lumens: 1562.0 lumens
Efficiency: N/A
Efficacy: 54.2 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	103	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82		
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73		
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66		
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59		
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53		
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	48		
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39		
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	99837	99837	99837	99837	99837
5°	220250	184827	100599	45727	30098
10°	238221	231278	97915	12714	13098
15°	329744	244839	92358	12962	9432
20°	389442	293296	78369	7679	2822
25°	448178	332167	55298	1254	0
30°	466837	355492	25415	0	0
35°	468994	336918	1388	0	0
40°	479700	329542	0	0	0
45°	482102	270035	0	0	0
50°	351981	56105	0	0	0
55°	19847	0	0	0	0
60°	0	758	758	0	0
65°	0	0	897	0	0
70°	0	1108	1108	0	0
75°	0	1464	1464	0	0
80°	0	2182	2182	2182	0
85°	0	4347	4347	4347	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 491235 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.4	4.1
10°-20°	211.8	13.6
20°-30°	380.7	24.4
30°-40°	462.8	29.6
40°-50°	357.3	22.9
50°-60°	83.1	5.3
60°-70°	0.5	0.0
70°-80°	1.2	0.1
80°-90°	1.2	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°	655.9	42.0
0°-40°	1118.6	71.6
0°-60°	1559.1	99.8
0°-90°	1562.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1562.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	580	580	580	580	580	
5°	1274	1069	582	264	174	120
15°	1849	1373	518	73	53	517
25°	2358	1748	291	7	0	1073
35°	2231	1602	7	0	0	1401
45°	1979	1109	0	0	0	1399
55°	66	0	0	0	0	272
65°	0	0	2	0	0	0
75°	0	2	2	0	0	0
85°	0	2	2	2	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°	50°
0°	579.7	579.7	579.7	579.7	579.7	579.7	579.7	579.7	579.7	579.7	579.7
2.5°	903.7	903.7	908.1	905.9	886.1	877.3	848.6	833.2	828.8	793.5	780.3
5°	1274.0	1276.2	1265.2	1263.0	1241.0	1225.6	1201.3	1163.8	1126.4	1069.1	1018.4
7.5°	1364.4	1362.2	1360.0	1360.0	1355.6	1346.8	1335.8	1324.7	1309.3	1274.0	1234.4
10°	1362.2	1362.2	1360.0	1360.0	1357.8	1360.0	1357.8	1351.2	1344.6	1322.5	1300.5
12.5°	1534.1	1520.9	1503.3	1476.8	1432.8	1399.7	1362.2	1351.2	1346.8	1340.2	1326.9
15°	1849.4	1838.3	1800.9	1754.6	1710.5	1635.5	1576.0	1494.5	1430.5	1373.2	1344.6
17.5°	2001.4	2008.1	1966.2	1937.5	1895.6	1836.1	1765.6	1681.8	1591.5	1483.4	1397.5
20°	2124.9	2131.5	2096.2	2067.6	2019.1	1957.4	1895.6	1805.3	1719.3	1600.3	1487.9
22.5°	2250.5	2254.9	2221.9	2180.0	2124.9	2061.0	1981.6	1889.0	1796.4	1690.6	1571.6
25°	2358.5	2354.1	2299.0	2239.5	2186.6	2118.3	2041.1	1950.7	1862.6	1748.0	1635.5
27.5°	2400.4	2398.2	2336.5	2279.2	2217.5	2124.9	2056.5	1977.2	1884.6	1783.2	1668.6
30°	2347.5	2382.8	2343.1	2301.2	2226.3	2133.7	2067.6	1972.8	1886.8	1787.6	1657.6
32.5°	2292.4	2336.5	2323.3	2303.4	2215.3	2142.5	2056.5	1968.4	1867.0	1752.4	1554.0
35°	2230.7	2277.0	2279.2	2257.1	2177.8	2105.0	2025.7	1933.1	1818.5	1602.5	1457.0
37.5°	2175.6	2219.7	2232.9	2186.6	2124.9	2027.9	1955.2	1858.2	1651.0	1505.5	1430.5
40°	2133.7	2166.8	2186.6	2113.9	2052.1	1957.4	1873.6	1703.9	1516.5	1465.8	1360.0
42.5°	2089.6	2120.5	2129.3	2049.9	1955.2	1864.8	1743.5	1529.7	1474.6	1399.7	1115.3
45°	1979.4	2016.9	1994.8	1917.7	1847.1	1752.4	1571.6	1479.0	1419.5	1108.7	685.5
47.5°	1485.7	1527.5	1587.0	1609.1	1633.3	1565.0	1465.8	1432.8	1166.0	672.3	213.8
50°	1313.7	1307.1	1307.1	1318.1	1338.0	1360.0	1388.7	1207.9	700.9	209.4	0.0
52.5°	535.6	562.1	692.1	809.0	943.4	1077.9	1119.7	740.6	273.3	4.4	0.0
55°	66.1	66.1	92.6	158.7	262.3	423.2	476.1	238.1	19.8	0.0	0.0
57.5°	0.0	0.0	0.0	2.2	17.6	48.5	33.1	8.8	2.2	2.2	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2
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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	579.7	579.7	579.7	579.7	579.7	579.7	579.7	579.7
2.5°	758.3	731.8	694.3	584.1	489.3	405.6	357.1	332.8
5°	969.9	905.9	820.0	581.9	396.8	264.5	198.4	174.1
7.5°	1172.7	1099.9	954.4	573.1	304.2	154.3	86.0	68.3
10°	1260.8	1207.9	1077.9	559.9	220.4	72.7	72.7	74.9
12.5°	1296.1	1256.4	1150.6	540.0	145.5	70.5	74.9	70.5
15°	1320.3	1282.9	1185.9	518.0	83.8	72.7	59.5	52.9
17.5°	1333.6	1289.5	1196.9	476.1	55.1	61.7	37.5	30.9
20°	1375.4	1304.9	1205.7	427.6	52.9	41.9	19.8	15.4
22.5°	1446.0	1335.8	1207.9	368.1	41.9	24.2	6.6	0.0
25°	1509.9	1377.6	1214.5	291.0	13.2	6.6	0.0	0.0
27.5°	1540.8	1390.9	1212.3	205.0	0.0	0.0	0.0	0.0
30°	1503.3	1357.8	1192.5	127.8	0.0	0.0	0.0	0.0
32.5°	1415.1	1333.6	1130.8	55.1	0.0	0.0	0.0	0.0
35°	1386.5	1280.7	989.7	6.6	0.0	0.0	0.0	0.0
37.5°	1322.5	1128.6	727.4	0.0	0.0	0.0	0.0	0.0
40°	1137.4	815.6	346.1	0.0	0.0	0.0	0.0	0.0
42.5°	751.6	348.3	19.8	0.0	0.0	0.0	0.0	0.0
45°	264.5	22.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	2.2	2.2	0.0	0.0	0.0	0.0
67.5°	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0
70°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0
72.5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0
75°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0
77.5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0
80°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0
85°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0
87.5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)