

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: P1311688

Luminaire Tested: P3SQAS20R609050D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311688
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R609050D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R60 optic, 5000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

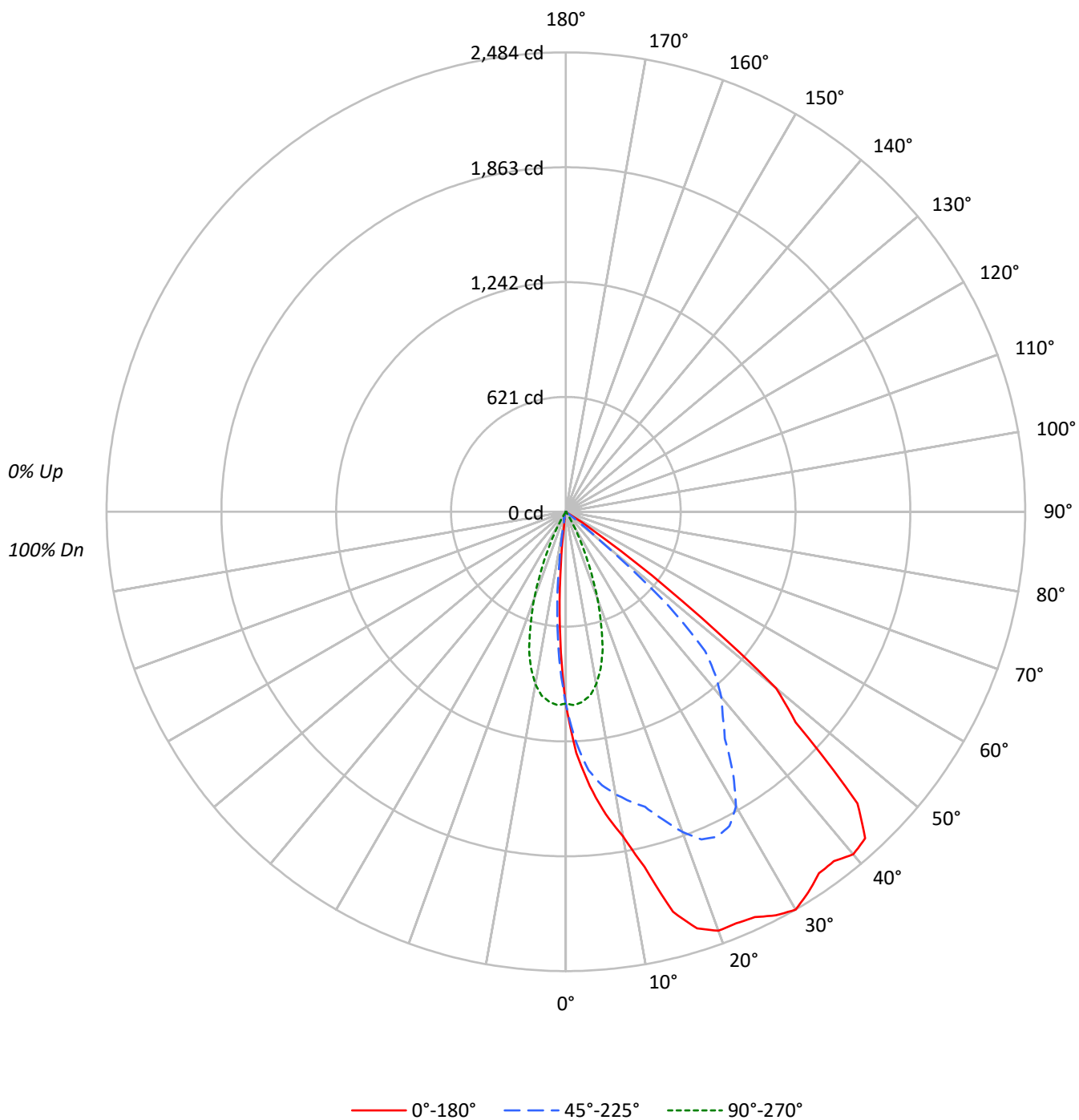
Lumens per Lamp: N/A
Luminaire Lumens: 1685.9 lumens
Efficiency: N/A
Efficacy: 58.5 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82		
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74		
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66		
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60		
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	178647	178647	178647	178647	178647
5°	257523	242517	178378	91903	59039
10°	311495	271151	165593	10982	6453
15°	399191	294548	137236	7239	5919
20°	441804	337612	92023	4050	678
25°	459484	368291	45245	342	0
30°	494062	365972	12489	0	0
35°	501771	315115	0	0	0
40°	543616	293796	0	0	0
45°	543065	259391	0	0	0
50°	397609	62803	0	0	0
55°	77587	0	0	0	0
60°	0	0	0	0	0
65°	0	734	734	0	0
70°	0	906	906	0	0
75°	0	1198	1198	0	0
80°	0	1785	1785	1785	0
85°	0	3557	3557	3557	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 543966 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.1	5.3
10°-20°	253.7	15.0
20°-30°	404.3	24.0
30°-40°	467.3	27.7
40°-50°	371.1	22.0
50°-60°	97.7	5.8
60°-70°	0.7	0.0
70°-80°	1.0	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°	747.1	44.3
0°-40°	1214.4	72.0
0°-60°	1683.2	99.8
0°-90°	1685.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1685.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1037	1037	1037	1037	1037	
5°	1490	1403	1032	532	342	150
15°	2239	1652	770	41	33	624
25°	2418	1938	238	2	0	1128
35°	2387	1499	0	0	0	1516
45°	2230	1065	0	0	0	1588
55°	258	0	0	0	0	390
65°	0	2	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°	1037.3	1037.3	1037.3	1037.3	1037.3	1037.3	1037.3	1037.3	1037.3	1037.3	1037.3
2.5°	1305.0	1317.9	1312.4	1306.8	1293.9	1288.4	1288.4	1273.6	1249.6	1245.9	1229.3
5°	1489.6	1493.2	1493.2	1489.6	1480.3	1465.6	1461.9	1447.1	1425.0	1402.8	1380.7
7.5°	1650.1	1648.3	1637.2	1629.8	1613.2	1592.9	1574.5	1554.2	1520.9	1491.4	1460.0
10°	1781.2	1786.7	1777.5	1759.0	1736.9	1709.2	1679.7	1644.6	1594.8	1550.5	1509.9
12.5°	1965.8	1963.9	1939.9	1908.5	1855.0	1803.3	1757.2	1718.4	1657.5	1604.0	1554.2
15°	2238.9	2235.3	2213.1	2185.4	2107.9	2030.4	1951.0	1842.1	1740.6	1652.0	1581.8
17.5°	2362.6	2370.0	2351.5	2336.8	2292.5	2240.8	2170.7	2061.7	1904.9	1744.3	1596.6
20°	2410.6	2419.8	2406.9	2405.1	2384.8	2360.8	2303.5	2185.4	2032.2	1842.1	1659.4
22.5°	2408.8	2416.1	2410.6	2434.6	2458.6	2445.7	2375.5	2257.4	2100.5	1917.8	1711.0
25°	2418.0	2412.4	2392.1	2427.2	2462.3	2451.2	2416.1	2314.6	2143.0	1938.1	1729.5
27.5°	2460.4	2419.8	2379.2	2423.5	2440.1	2443.8	2423.5	2303.5	2135.6	1915.9	1692.6
30°	2484.4	2440.1	2406.9	2443.8	2443.8	2464.1	2421.7	2285.1	2072.8	1840.3	1594.8
32.5°	2440.1	2430.9	2460.4	2497.4	2506.6	2506.6	2412.4	2224.2	1967.6	1685.2	1437.9
35°	2386.6	2408.8	2493.7	2510.3	2510.3	2469.7	2355.2	2117.1	1810.7	1498.8	1321.6
37.5°	2381.1	2416.1	2510.3	2490.0	2456.7	2381.1	2214.9	1930.7	1587.4	1393.6	1234.8
40°	2418.0	2451.2	2506.6	2432.8	2353.4	2235.3	2035.9	1687.1	1452.6	1306.8	1129.6
42.5°	2395.8	2427.2	2429.1	2320.2	2207.6	2047.0	1783.0	1489.6	1354.8	1196.1	1009.6
45°	2229.7	2233.4	2226.0	2109.7	1993.5	1827.3	1546.8	1391.7	1247.8	1065.0	742.0
47.5°	1685.2	1677.8	1705.5	1672.3	1677.8	1578.2	1404.6	1277.3	1105.6	747.5	225.2
50°	1484.0	1474.8	1447.1	1417.6	1388.0	1340.0	1258.8	1122.2	797.4	234.4	7.4
52.5°	795.5	839.8	926.6	1059.5	1109.3	1105.6	1044.7	830.6	251.0	1.8	0.0
55°	258.4	254.7	284.3	335.9	461.4	531.6	553.7	282.4	5.5	0.0	0.0
57.5°	0.0	0.0	0.0	5.5	18.5	48.0	62.8	3.7	0.0	1.8	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8
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°	1037.3	1037.3	1037.3	1037.3	1037.3	1037.3	1037.3	1037.3
2.5°	1207.1	1181.3	1151.8	1046.6	922.9	802.9	716.2	694.0
5°	1345.6	1301.3	1238.5	1031.8	762.3	531.6	380.2	341.5
7.5°	1417.6	1378.8	1312.4	1002.3	590.7	262.1	97.8	66.4
10°	1461.9	1415.7	1341.9	946.9	385.8	62.8	35.1	36.9
12.5°	1493.2	1439.7	1356.7	867.5	195.7	31.4	44.3	46.1
15°	1506.2	1448.9	1354.8	769.7	70.1	40.6	38.8	33.2
17.5°	1498.8	1426.8	1330.8	629.4	24.0	38.8	20.3	16.6
20°	1489.6	1408.3	1292.1	502.1	20.3	22.1	7.4	3.7
22.5°	1519.1	1377.0	1238.5	359.9	20.3	7.4	0.0	0.0
25°	1522.8	1364.0	1170.2	238.1	9.2	1.8	0.0	0.0
27.5°	1485.9	1288.4	1065.0	140.3	0.0	0.0	0.0	0.0
30°	1367.7	1194.2	952.4	62.8	0.0	0.0	0.0	0.0
32.5°	1251.4	1089.0	826.9	14.8	0.0	0.0	0.0	0.0
35°	1159.2	980.1	688.5	0.0	0.0	0.0	0.0	0.0
37.5°	1044.7	850.9	513.1	0.0	0.0	0.0	0.0	0.0
40°	924.7	686.6	256.6	0.0	0.0	0.0	0.0	0.0
42.5°	721.7	326.7	25.8	0.0	0.0	0.0	0.0	0.0
45°	276.9	29.5	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	14.8	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°	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
65°	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
67.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0
70°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0
72.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0
75°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0
77.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0
80°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0
82.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0
85°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0
87.5°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)