

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: P1315722

Luminaire Tested: P3SQAS20R609740D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315722
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: P3SQAS20R609740D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 97CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

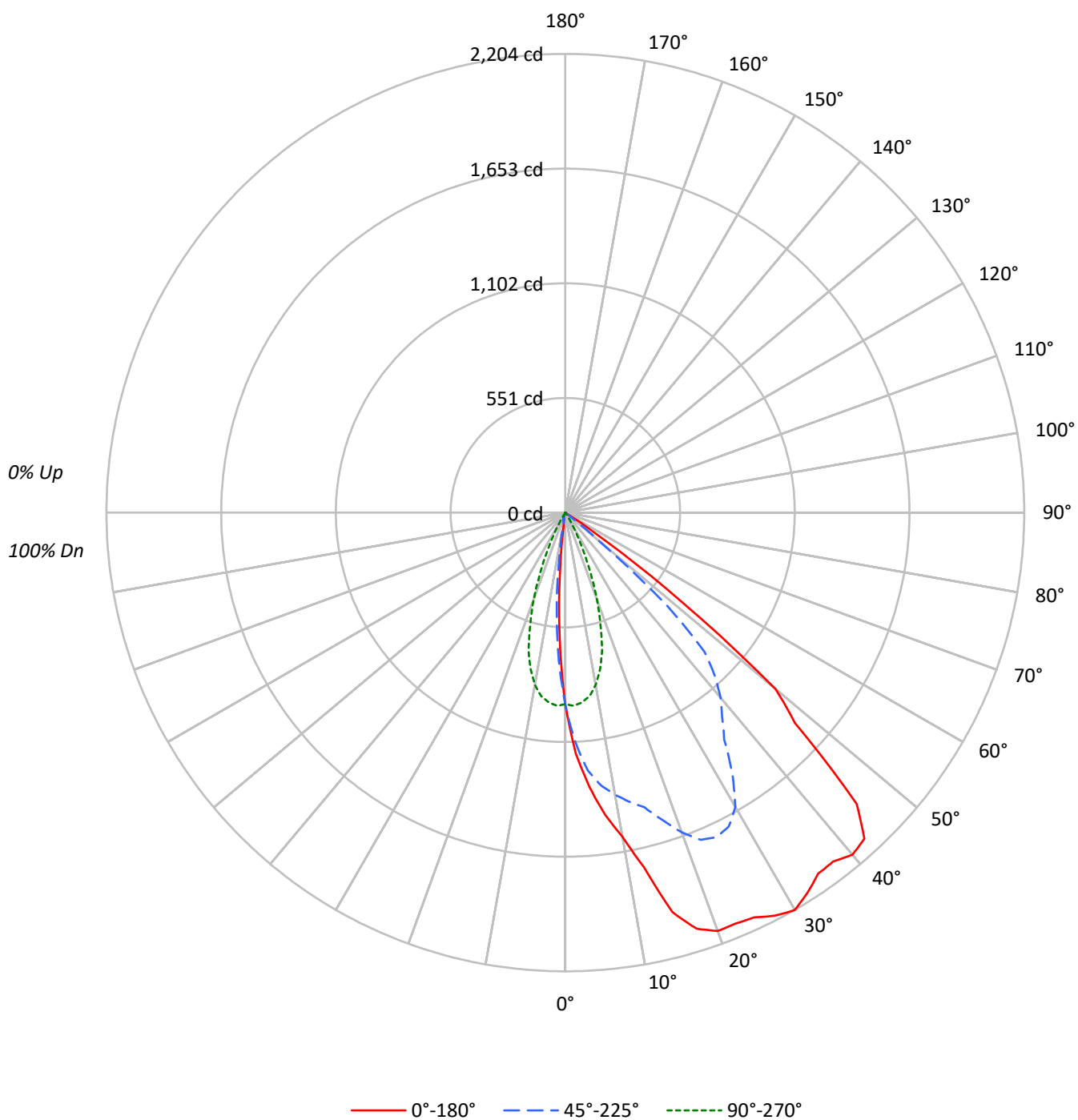
Lumens per Lamp: N/A
Luminaire Lumens: 1495.9 lumens
Efficiency: N/A
Efficacy: 51.9 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	158514	158514	158514	158514	158514
5°	228496	215184	158272	81548	52383
10°	276397	240582	146934	9741	5736
15°	354207	261349	121778	6419	5260
20°	392008	299564	81649	3611	605
25°	407702	326789	40153	304	0
30°	438399	324728	11077	0	0
35°	445236	279605	0	0	0
40°	482353	260702	0	0	0
45°	481858	230164	0	0	0
50°	352811	55730	0	0	0
55°	68850	0	0	0	0
60°	0	0	0	0	0
65°	0	652	652	0	0
70°	0	806	806	0	0
75°	0	1065	1065	0	0
80°	0	1587	1587	1587	0
85°	0	3162	3162	3162	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 482662 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.0	5.3
10°-20°	225.1	15.0
20°-30°	358.7	24.0
30°-40°	414.7	27.7
40°-50°	329.3	22.0
50°-60°	86.7	5.8
60°-70°	0.6	0.0
70°-80°	0.9	0.1
80°-90°	0.9	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°	662.9	44.3
0°-40°	1077.5	72.0
0°-60°	1493.5	99.8
0°-90°	1495.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1495.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	920	920	920	920	920	
5°	1322	1245	916	472	303	133
15°	1987	1466	683	36	30	554
25°	2146	1720	211	2	0	1001
35°	2118	1330	0	0	0	1345
45°	1978	945	0	0	0	1409
55°	229	0	0	0	0	346
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°	920.4	920.4	920.4	920.4	920.4	920.4	920.4	920.4	920.4	920.4	920.4
2.5°	1157.9	1169.4	1164.5	1159.6	1148.1	1143.2	1143.2	1130.1	1108.8	1105.5	1090.8
5°	1321.7	1325.0	1325.0	1321.7	1313.5	1300.4	1297.1	1284.0	1264.4	1244.7	1225.1
7.5°	1464.2	1462.5	1452.7	1446.2	1431.4	1413.4	1397.0	1379.0	1349.5	1323.3	1295.5
10°	1580.5	1585.4	1577.2	1560.8	1541.2	1516.6	1490.4	1459.3	1415.0	1375.7	1339.7
12.5°	1744.2	1742.6	1721.3	1693.5	1646.0	1600.1	1559.2	1524.8	1470.7	1423.2	1379.0
15°	1986.6	1983.4	1963.7	1939.1	1870.3	1801.6	1731.1	1634.5	1544.4	1465.8	1403.6
17.5°	2096.4	2102.9	2086.5	2073.4	2034.1	1988.3	1926.0	1829.4	1690.2	1547.7	1416.7
20°	2138.9	2147.1	2135.7	2134.0	2116.0	2094.7	2044.0	1939.1	1803.2	1634.5	1472.4
22.5°	2137.3	2143.9	2138.9	2160.2	2181.5	2170.1	2107.8	2003.0	1863.8	1701.7	1518.2
25°	2145.5	2140.6	2122.6	2153.7	2184.8	2175.0	2143.9	2053.8	1901.5	1719.7	1534.6
27.5°	2183.2	2147.1	2111.1	2150.4	2165.2	2168.4	2150.4	2044.0	1894.9	1700.0	1501.8
30°	2204.5	2165.2	2135.7	2168.4	2168.4	2186.4	2148.8	2027.6	1839.2	1632.9	1415.0
32.5°	2165.2	2157.0	2183.2	2215.9	2224.1	2224.1	2140.6	1973.5	1745.9	1495.3	1275.8
35°	2117.7	2137.3	2212.6	2227.4	2227.4	2191.4	2089.8	1878.5	1606.7	1329.9	1172.7
37.5°	2112.7	2143.9	2227.4	2209.4	2179.9	2112.7	1965.3	1713.1	1408.5	1236.5	1095.7
40°	2145.5	2175.0	2224.1	2158.6	2088.2	1983.4	1806.5	1496.9	1288.9	1159.6	1002.3
42.5°	2125.8	2153.7	2155.3	2058.7	1958.8	1816.3	1582.1	1321.7	1202.1	1061.3	895.9
45°	1978.4	1981.7	1975.2	1872.0	1768.8	1621.4	1372.5	1234.9	1107.1	945.0	658.4
47.5°	1495.3	1488.7	1513.3	1483.8	1488.7	1400.3	1246.4	1133.3	981.0	663.3	199.8
50°	1316.8	1308.6	1284.0	1257.8	1231.6	1189.0	1117.0	995.8	707.5	208.0	6.6
52.5°	705.9	745.2	822.2	940.1	984.3	981.0	927.0	737.0	222.7	1.6	0.0
55°	229.3	226.0	252.2	298.1	409.4	471.7	491.3	250.6	4.9	0.0	0.0
57.5°	0.0	0.0	0.0	4.9	16.4	42.6	55.7	3.3	0.0	1.6	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6
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°	920.4	920.4	920.4	920.4	920.4	920.4	920.4	920.4
2.5°	1071.1	1048.2	1022.0	928.6	818.9	712.4	635.5	615.8
5°	1193.9	1154.6	1099.0	915.5	676.4	471.7	337.4	303.0
7.5°	1257.8	1223.4	1164.5	889.3	524.1	232.6	86.8	59.0
10°	1297.1	1256.2	1190.7	840.2	342.3	55.7	31.1	32.8
12.5°	1325.0	1277.5	1203.8	769.8	173.6	27.8	39.3	40.9
15°	1336.4	1285.7	1202.1	683.0	62.2	36.0	34.4	29.5
17.5°	1329.9	1266.0	1180.8	558.5	21.3	34.4	18.0	14.7
20°	1321.7	1249.6	1146.4	445.5	18.0	19.7	6.6	3.3
22.5°	1347.9	1221.8	1099.0	319.4	18.0	6.6	0.0	0.0
25°	1351.2	1210.3	1038.4	211.3	8.2	1.6	0.0	0.0
27.5°	1318.4	1143.2	945.0	124.5	0.0	0.0	0.0	0.0
30°	1213.6	1059.6	845.1	55.7	0.0	0.0	0.0	0.0
32.5°	1110.4	966.3	733.7	13.1	0.0	0.0	0.0	0.0
35°	1028.5	869.7	610.9	0.0	0.0	0.0	0.0	0.0
37.5°	927.0	755.0	455.3	0.0	0.0	0.0	0.0	0.0
40°	820.5	609.3	227.7	0.0	0.0	0.0	0.0	0.0
42.5°	640.4	289.9	22.9	0.0	0.0	0.0	0.0	0.0
45°	245.7	26.2	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	13.1	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°	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
65°	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
67.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0
70°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0
72.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0
75°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0
77.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0
80°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0
82.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0
85°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0
87.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)