

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: P1318363

Luminaire Tested: P3SQAS20R709835D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318363
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: P3SQAS20R709835D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

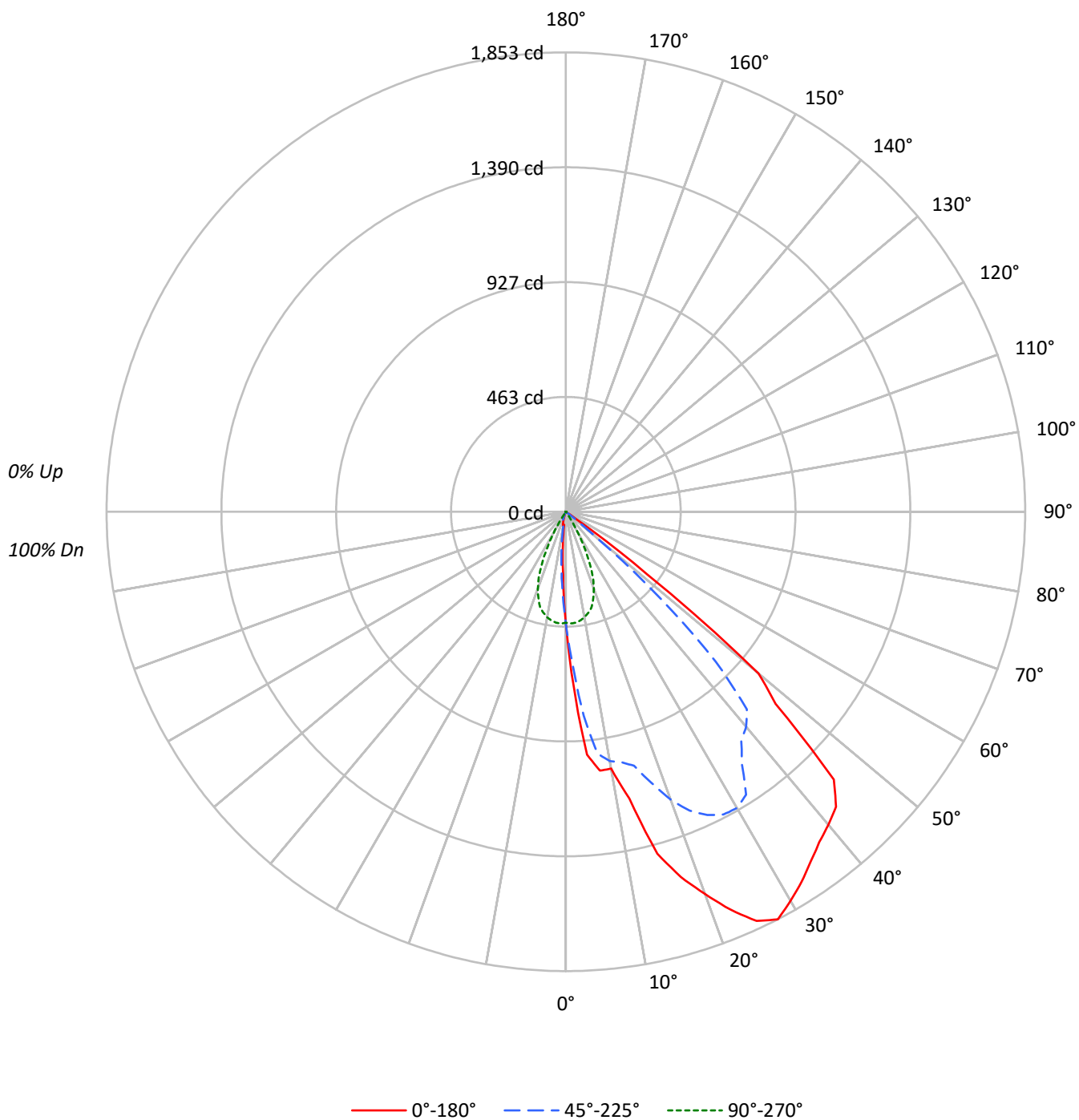
Lumens per Lamp: N/A
Luminaire Lumens: 1206.0 lumens
Efficiency: N/A
Efficacy: 44.0 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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°	77087	77087	77087	77087	77087
5°	170063	142696	77675	35302	23235
10°	183921	178569	75600	9828	10126
15°	254592	189049	71301	10020	7275
20°	300682	226437	60518	5920	2181
25°	346039	256460	42680	969	0
30°	360444	274474	19628	0	0
35°	362105	260136	1072	0	0
40°	370370	254430	0	0	0
45°	372232	208487	0	0	0
50°	271762	43324	0	0	0
55°	15343	0	0	0	0
60°	0	586	586	0	0
65°	0	0	693	0	0
70°	0	856	856	0	0
75°	0	1131	1131	0	0
80°	0	1686	1686	1686	0
85°	0	3359	3359	3359	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 379271 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.0	4.1
10°-20°	163.5	13.6
20°-30°	293.9	24.4
30°-40°	357.3	29.6
40°-50°	275.9	22.9
50°-60°	64.2	5.3
60°-70°	0.4	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°	506.4	42.0
0°-40°	863.7	71.6
0°-60°	1203.8	99.8
0°-90°	1206.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1206.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	448	448	448	448	448	
5°	984	825	449	204	134	93
15°	1428	1060	400	56	41	399
25°	1821	1350	225	5	0	829
35°	1722	1237	5	0	0	1082
45°	1528	856	0	0	0	1080
55°	51	0	0	0	0	210
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°	447.6	447.6	447.6	447.6	447.6	447.6	447.6	447.6	447.6	447.6	447.6
2.5°	697.8	697.8	701.2	699.5	684.1	677.3	655.2	643.3	639.9	612.7	602.5
5°	983.7	985.4	976.9	975.2	958.1	946.2	927.5	898.6	869.6	825.4	786.3
7.5°	1053.5	1051.7	1050.0	1050.0	1046.6	1039.8	1031.3	1022.8	1010.9	983.7	953.0
10°	1051.7	1051.7	1050.0	1050.0	1048.3	1050.0	1048.3	1043.2	1038.1	1021.1	1004.1
12.5°	1184.5	1174.3	1160.7	1140.2	1106.2	1080.7	1051.7	1043.2	1039.8	1034.7	1024.5
15°	1427.9	1419.4	1390.4	1354.7	1320.6	1262.8	1216.8	1153.9	1104.5	1060.3	1038.1
17.5°	1545.3	1550.4	1518.1	1495.9	1463.6	1417.6	1363.2	1298.5	1228.7	1145.4	1079.0
20°	1640.6	1645.7	1618.5	1596.3	1558.9	1511.3	1463.6	1393.8	1327.4	1235.5	1148.8
22.5°	1737.6	1741.0	1715.5	1683.1	1640.6	1591.2	1530.0	1458.5	1387.0	1305.3	1213.4
25°	1821.0	1817.6	1775.0	1729.1	1688.2	1635.5	1575.9	1506.1	1438.1	1349.6	1262.8
27.5°	1853.3	1851.6	1804.0	1759.7	1712.1	1640.6	1587.8	1526.6	1455.1	1376.8	1288.3
30°	1812.5	1839.7	1809.1	1776.7	1718.9	1647.4	1596.3	1523.2	1456.8	1380.2	1279.8
32.5°	1769.9	1804.0	1793.8	1778.4	1710.4	1654.2	1587.8	1519.8	1441.5	1353.0	1199.8
35°	1722.3	1758.0	1759.7	1742.7	1681.4	1625.3	1564.0	1492.5	1404.0	1237.3	1124.9
37.5°	1679.7	1713.8	1724.0	1688.2	1640.6	1565.7	1509.5	1434.7	1274.7	1162.4	1104.5
40°	1647.4	1672.9	1688.2	1632.1	1584.4	1511.3	1446.6	1315.5	1170.9	1131.7	1050.0
42.5°	1613.4	1637.2	1644.0	1582.7	1509.5	1439.8	1346.2	1181.1	1138.5	1080.7	861.1
45°	1528.3	1557.2	1540.2	1480.6	1426.2	1353.0	1213.4	1141.9	1096.0	856.0	529.3
47.5°	1147.1	1179.4	1225.3	1242.4	1261.1	1208.3	1131.7	1106.2	900.3	519.1	165.1
50°	1014.3	1009.2	1009.2	1017.7	1033.0	1050.0	1072.2	932.6	541.2	161.7	0.0
52.5°	413.6	434.0	534.4	624.6	728.4	832.2	864.5	571.8	211.0	3.4	0.0
55°	51.1	51.1	71.5	122.5	202.5	326.8	367.6	183.8	15.3	0.0	0.0
57.5°	0.0	0.0	0.0	1.7	13.6	37.4	25.5	6.8	1.7	1.7	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
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	1.7	1.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7
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°	447.6	447.6	447.6	447.6	447.6	447.6	447.6	447.6
2.5°	585.4	565.0	536.1	451.0	377.8	313.1	275.7	257.0
5°	748.8	699.5	633.1	449.3	306.3	204.2	153.2	134.4
7.5°	905.4	849.2	736.9	442.5	234.9	119.1	66.4	52.8
10°	973.5	932.6	832.2	432.3	170.2	56.2	56.2	57.9
12.5°	1000.7	970.1	888.4	417.0	112.3	54.5	57.9	54.5
15°	1019.4	990.5	915.6	399.9	64.7	56.2	46.0	40.8
17.5°	1029.6	995.6	924.1	367.6	42.5	47.7	28.9	23.8
20°	1062.0	1007.5	930.9	330.2	40.8	32.3	15.3	11.9
22.5°	1116.4	1031.3	932.6	284.2	32.3	18.7	5.1	0.0
25°	1165.8	1063.7	937.7	224.6	10.2	5.1	0.0	0.0
27.5°	1189.6	1073.9	936.0	158.3	0.0	0.0	0.0	0.0
30°	1160.7	1048.3	920.7	98.7	0.0	0.0	0.0	0.0
32.5°	1092.6	1029.6	873.1	42.5	0.0	0.0	0.0	0.0
35°	1070.5	988.8	764.1	5.1	0.0	0.0	0.0	0.0
37.5°	1021.1	871.4	561.6	0.0	0.0	0.0	0.0	0.0
40°	878.2	629.7	267.2	0.0	0.0	0.0	0.0	0.0
42.5°	580.3	268.9	15.3	0.0	0.0	0.0	0.0	0.0
45°	204.2	17.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	3.4	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°	1.7	1.7	1.7	1.7	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	1.7	1.7	0.0	0.0	0.0	0.0
67.5°	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0
70°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0
72.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0
75°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0
77.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0
80°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0
85°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0
87.5°	1.7	1.7	1.7	1.7	1.7	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)