

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: P1319255

Luminaire Tested: P3SQAS02R15B2750DE010 E3SQCA301MB_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319255
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-47)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R15B2750DE010 E3SQCA301MB_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

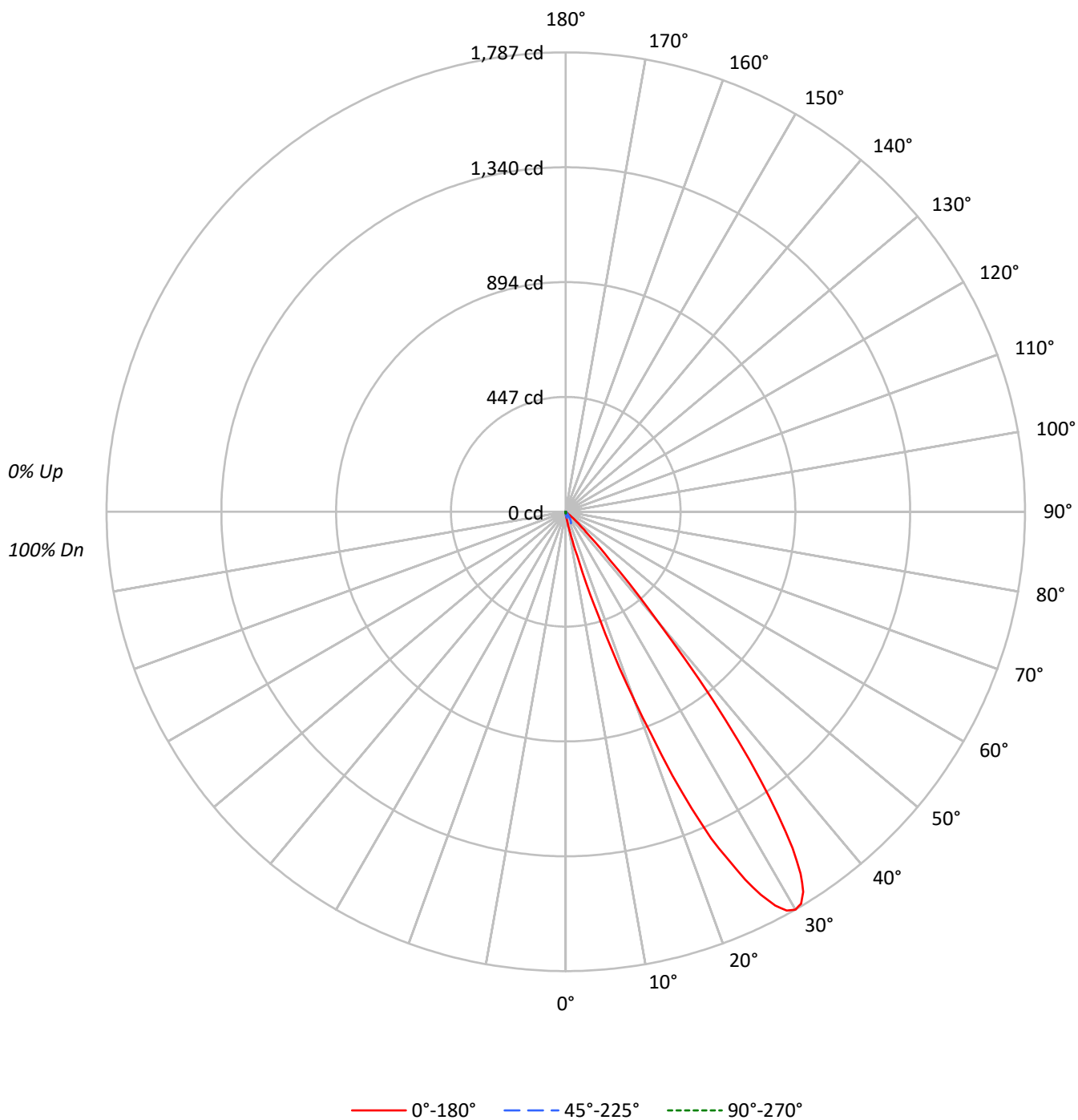
Lumens per Lamp: N/A
Luminaire Lumens: 189.0 lumens
Efficiency: N/A
Efficacy: 65.2 lumens/watt
Spacing Criteria (0/90/45): 2.33 / 0.38 / 1.17
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 2.9
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	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	94	94	94	92
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	77	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	70	70	68
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	63	63	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	57	57	55
7	76	65	57	52	74	64	57	52	63	56	52	61	56	52	60	55	51	51	51	50
8	71	59	52	47	69	59	52	47	58	51	47	56	51	47	55	50	46	46	46	45
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	42	42	41
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	38	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1171	1171	1171	1171	1171
5°	3371	2541	1003	415	277
10°	8761	3795	665	0	0
15°	35018	6205	357	0	0
20°	143047	9145	110	0	0
25°	282760	9064	0	0	0
30°	355393	7159	0	0	0
35°	303236	4394	0	0	0
40°	124843	1394	0	0	0
45°	27011	585	0	0	0
50°	3456	0	0	0	0
55°	300	0	60	0	0
60°	0	0	138	0	0
65°	0	0	163	0	0
70°	0	101	302	0	0
75°	0	133	399	0	0
80°	0	198	595	0	0
85°	0	395	1186	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 2°

Vertical Angle: 45°

Luminance: 28277 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.9	0.5
10°-20°	13.2	7.0
20°-30°	77.2	40.8
30°-40°	82.8	43.8
40°-50°	14.0	7.4
50°-60°	0.4	0.2
60°-70°	0.1	0.1
70°-80°	0.2	0.1
80°-90°	0.2	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°	91.4	48.3
0°-40°	174.1	92.1
0°-60°	188.5	99.7
0°-90°	189.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	189.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	7	7	7	7	7	
5°	20	15	6	2	2	3
15°	196	35	2	0	0	91
25°	1488	48	0	0	0	673
35°	1442	21	0	0	0	829
45°	111	2	0	0	0	131
55°	1	0	0	0	0	3
65°	0	0	0	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
2.5°	12.3	12.5	12.7	12.7	12.7	12.7	12.5	12.5	12.5	12.5	12.3
5°	19.5	19.5	19.5	19.5	19.5	19.5	19.3	19.3	19.3	19.3	19.3
7.5°	27.8	27.4	27.6	27.0	27.4	27.2	27.0	27.4	27.4	26.4	26.4
10°	50.1	49.9	47.9	48.3	48.7	48.5	48.5	47.3	47.1	46.3	45.5
12.5°	96.6	98.8	100.4	100.4	96.6	98.0	95.4	96.0	96.4	95.2	91.0
15°	196.4	199.9	196.2	199.7	198.3	193.2	187.4	179.7	182.6	177.3	175.5
17.5°	430.1	438.2	434.9	418.4	423.7	411.0	403.1	400.1	391.7	366.9	356.5
20°	780.5	790.4	781.1	761.8	767.9	743.9	737.7	732.0	695.0	681.5	638.2
21°	927.9	936.1	939.7	919.6	907.3	888.2	872.3	867.1	844.7	818.6	774.1
22°	1106.0	1096.5	1075.0	1077.8	1059.5	1043.8	1021.7	1000.9	975.8	939.5	902.7
23°	1253.5	1242.3	1232.2	1219.9	1200.2	1189.1	1157.5	1134.6	1102.0	1063.1	1027.7
24°	1390.8	1373.7	1367.4	1345.5	1339.9	1314.9	1289.3	1259.4	1220.1	1178.6	1139.4
25°	1488.0	1490.6	1485.0	1482.4	1454.0	1428.4	1402.9	1357.0	1323.4	1286.7	1226.4
26°	1592.1	1593.3	1590.5	1571.5	1545.8	1520.8	1488.0	1448.0	1399.4	1358.6	1304.2
27°	1671.8	1667.1	1663.1	1640.4	1619.4	1587.8	1558.0	1510.7	1463.2	1414.7	1351.5
28°	1735.4	1726.5	1721.5	1702.0	1677.4	1638.6	1602.1	1558.0	1510.5	1458.4	1390.0
29°	1773.8	1764.2	1758.7	1737.2	1708.8	1674.8	1637.8	1589.4	1538.3	1480.2	1411.5
30°	1787.1	1781.5	1772.8	1750.5	1721.1	1685.7	1647.8	1595.1	1541.7	1482.2	1409.5
31°	1778.4	1771.2	1762.9	1738.8	1707.0	1673.2	1629.1	1573.9	1517.6	1461.0	1383.9
32°	1743.6	1739.2	1729.1	1696.9	1671.0	1627.3	1583.8	1532.1	1470.7	1409.9	1340.1
33°	1678.4	1671.2	1662.5	1633.1	1600.1	1558.2	1514.8	1462.0	1400.9	1336.8	1260.0
34°	1579.0	1569.9	1558.9	1539.3	1497.1	1460.8	1410.7	1348.9	1298.4	1236.8	1167.4
35°	1442.3	1429.0	1415.9	1400.9	1353.6	1320.1	1286.3	1232.4	1183.7	1125.7	1047.2
36°	1288.9	1283.7	1273.0	1233.6	1218.3	1172.6	1145.4	1083.6	1044.2	987.4	922.6
37°	1115.3	1084.9	1100.4	1078.4	1032.3	1018.0	985.6	932.5	890.0	830.0	783.1
38°	929.3	909.5	920.4	898.1	874.1	841.1	816.4	777.7	730.0	682.9	638.4
39°	736.5	720.4	732.4	717.3	680.7	667.0	645.1	615.5	577.2	540.4	498.3
40°	555.3	534.6	550.5	529.1	512.4	489.9	478.8	451.5	427.7	405.6	378.8
42.5°	253.6	251.4	247.8	240.1	238.3	238.5	224.8	215.8	203.7	189.6	181.1
45°	110.9	113.7	116.1	111.7	111.5	109.1	108.3	102.4	100.0	95.4	89.8
47.5°	54.7	55.6	55.1	56.2	55.3	53.7	53.3	52.5	50.1	49.9	47.3
50°	12.9	12.7	12.7	12.9	12.7	12.7	12.5	12.1	11.9	12.1	11.5
52.5°	4.2	4.4	4.2	4.0	4.2	4.4	4.2	4.2	4.2	4.2	4.2
55°	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.8	1.0	1.0	1.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0
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	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
2.5°	12.1	10.3	8.5	6.8	5.0	4.0	3.8	3.6
5°	18.3	14.7	9.7	5.8	3.4	2.4	1.8	1.6
7.5°	24.6	18.3	10.7	4.8	2.4	1.0	0.4	0.2
10°	35.4	21.7	11.1	3.8	1.2	0.0	0.0	0.0
12.5°	69.4	24.8	10.9	3.0	0.2	0.0	0.0	0.0
15°	115.3	34.8	10.1	2.0	0.0	0.0	0.0	0.0
17.5°	188.8	44.9	8.7	1.4	0.0	0.0	0.0	0.0
20°	292.7	49.9	6.8	0.6	0.0	0.0	0.0	0.0
21°	343.2	50.3	6.0	0.4	0.0	0.0	0.0	0.0
22°	387.0	50.3	5.2	0.2	0.0	0.0	0.0	0.0
23°	427.5	49.7	4.6	0.0	0.0	0.0	0.0	0.0
24°	460.9	48.9	4.2	0.0	0.0	0.0	0.0	0.0
25°	485.9	47.7	3.8	0.0	0.0	0.0	0.0	0.0
26°	497.5	46.1	3.2	0.0	0.0	0.0	0.0	0.0
27°	503.2	43.9	2.8	0.0	0.0	0.0	0.0	0.0
28°	499.2	41.5	2.4	0.0	0.0	0.0	0.0	0.0
29°	489.3	39.0	1.8	0.0	0.0	0.0	0.0	0.0
30°	476.4	36.0	1.4	0.0	0.0	0.0	0.0	0.0
31°	457.5	33.0	1.0	0.0	0.0	0.0	0.0	0.0
32°	431.7	30.0	0.8	0.0	0.0	0.0	0.0	0.0
33°	397.1	26.8	0.4	0.0	0.0	0.0	0.0	0.0
34°	354.4	23.7	0.2	0.0	0.0	0.0	0.0	0.0
35°	306.5	20.9	0.0	0.0	0.0	0.0	0.0	0.0
36°	265.3	17.9	0.0	0.0	0.0	0.0	0.0	0.0
37°	224.0	14.3	0.0	0.0	0.0	0.0	0.0	0.0
38°	187.6	11.3	0.0	0.0	0.0	0.0	0.0	0.0
39°	155.2	9.1	0.0	0.0	0.0	0.0	0.0	0.0
40°	128.6	6.2	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	71.2	4.2	0.0	0.0	0.0	0.0	0.0	0.0
45°	43.1	2.4	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	25.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0
50°	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.8	0.0	0.0	0.2	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.2	0.4	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.2	0.4	0.2	0.0	0.0	0.0
65°	0.0	0.0	0.4	0.4	0.2	0.0	0.0	0.0
67.5°	0.0	0.0	0.4	0.6	0.2	0.0	0.0	0.0
70°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0
72.5°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0
75°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0
77.5°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0
80°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0
85°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0
87.5°	0.0	0.2	0.4	0.6	0.2	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)