

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: P1319262

Luminaire Tested: P3SQAS02R15B2750DE010 E3SQCA301MMS_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319262
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 E3SQCA301MMS_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 4000K CCT AND, 80CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

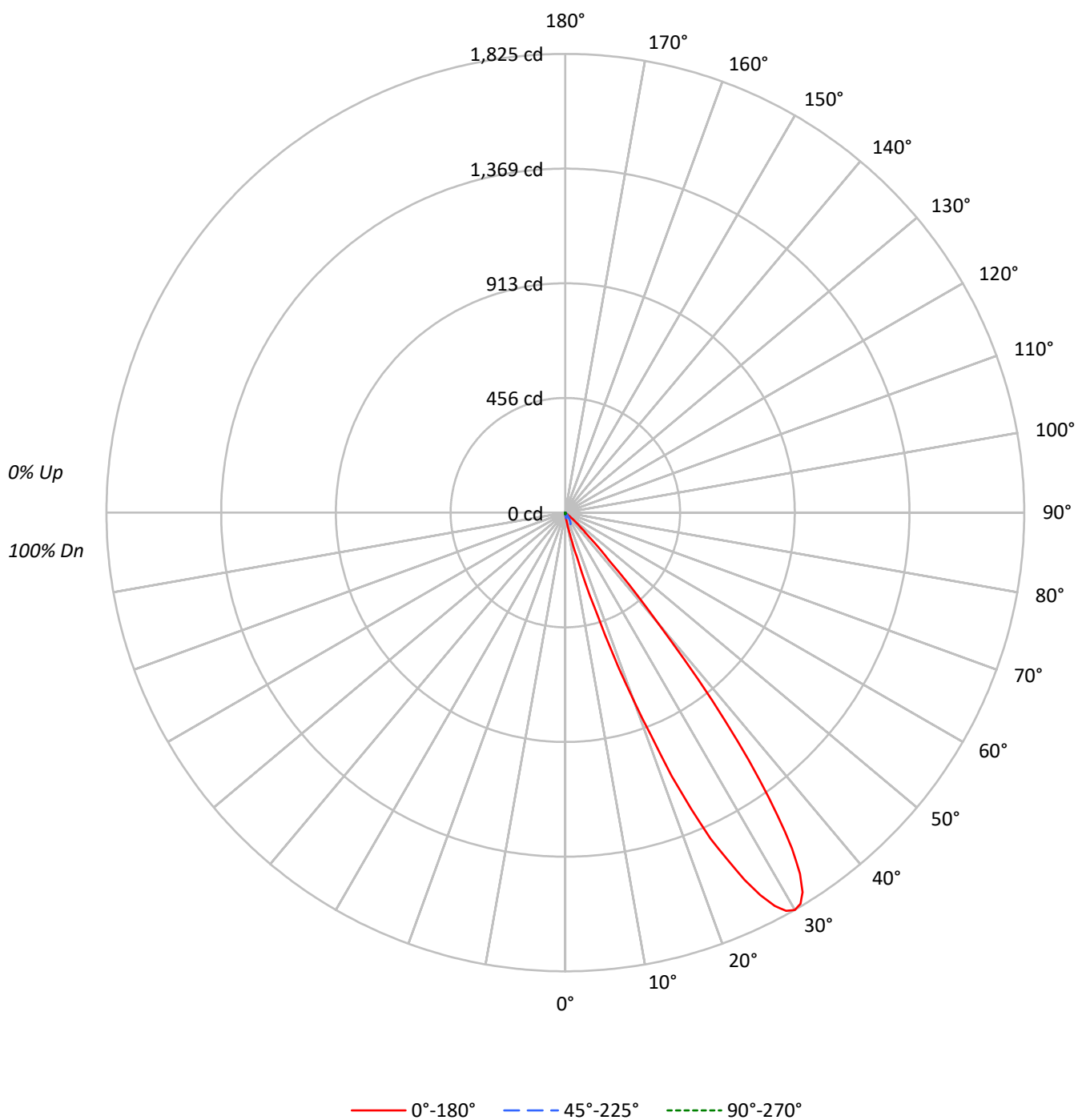
Lumens per Lamp: N/A
Luminaire Lumens: 193.0 lumens
Efficiency: N/A
Efficacy: 66.5 lumens/watt
Spacing Criteria (0/90/45): 2.33 / 0.38 / 1.17
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P1319262

CATALOG NUMBER: P3SQA02R15B2750DE010 E3SQA301MMS_4000K

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1188	1188	1188	1188	1188
5°	3440	2593	1020	415	277
10°	8936	3865	682	0	0
15°	35749	6330	357	0	0
20°	146071	9329	110	0	0
25°	288746	9254	0	0	0
30°	362910	7298	0	0	0
35°	309649	4478	0	0	0
40°	127473	1416	0	0	0
45°	27571	585	0	0	0
50°	3537	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: 28862 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.9	0.5
10°-20°	13.5	7.0
20°-30°	78.8	40.8
30°-40°	84.5	43.8
40°-50°	14.3	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°	93.3	48.3
0°-40°	177.8	92.1
0°-60°	192.5	99.8
0°-90°	193.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	193.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	7	7	7	7	7	
5°	20	15	6	2	2	3
15°	200	36	2	0	0	93
25°	1520	49	0	0	0	687
35°	1473	21	0	0	0	846
45°	113	2	0	0	0	134
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°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
2.5°	12.6	12.8	13.0	13.0	13.0	13.0	12.8	12.8	12.8	12.8	12.6
5°	19.9	19.9	19.9	19.9	19.9	19.9	19.7	19.7	19.7	19.7	19.7
7.5°	28.4	28.0	28.2	27.6	28.0	27.8	27.6	28.0	28.0	27.0	27.0
10°	51.1	50.9	48.9	49.3	49.7	49.5	49.5	48.3	48.1	47.3	46.5
12.5°	98.6	100.9	102.5	102.5	98.6	100.1	97.4	98.0	98.4	97.2	93.0
15°	200.5	204.2	200.3	204.0	202.5	197.3	191.4	183.5	186.5	181.0	179.2
17.5°	439.2	447.5	444.1	427.2	432.7	419.7	411.6	408.5	400.0	374.6	364.1
20°	797.0	807.1	797.6	777.9	784.2	759.6	753.4	747.5	709.7	695.9	651.7
21°	947.6	955.9	959.5	939.0	926.5	907.0	890.7	885.5	862.5	836.0	790.5
22°	1129.4	1119.7	1097.8	1100.6	1081.9	1065.9	1043.4	1022.1	996.5	959.3	921.8
23°	1280.0	1268.6	1258.3	1245.7	1225.6	1214.2	1182.0	1158.6	1125.4	1085.6	1049.5
24°	1420.2	1402.8	1396.3	1374.0	1368.3	1342.7	1316.5	1286.1	1245.9	1203.5	1163.5
25°	1519.5	1522.1	1516.4	1513.8	1484.8	1458.6	1432.6	1385.7	1351.4	1313.9	1252.4
26°	1625.8	1627.0	1624.2	1604.7	1578.5	1553.0	1519.5	1478.7	1429.0	1387.4	1331.8
27°	1707.2	1702.3	1698.3	1675.1	1653.6	1621.4	1590.9	1542.6	1494.1	1444.6	1380.1
28°	1772.2	1763.0	1758.0	1738.1	1712.9	1673.3	1636.0	1590.9	1542.4	1489.2	1419.4
29°	1811.3	1801.6	1795.9	1774.0	1745.0	1710.3	1672.5	1623.0	1570.8	1511.6	1441.4
30°	1824.9	1819.2	1810.3	1787.6	1757.5	1721.4	1682.7	1628.9	1574.3	1513.6	1439.3
31°	1816.0	1808.7	1800.2	1775.6	1743.1	1708.6	1663.6	1607.2	1549.7	1491.9	1413.1
32°	1780.5	1776.0	1765.7	1732.8	1706.4	1661.8	1617.3	1564.5	1501.8	1439.7	1368.5
33°	1713.9	1706.6	1697.7	1667.6	1634.0	1591.1	1546.9	1492.9	1430.6	1365.0	1286.7
34°	1612.4	1603.1	1591.9	1571.8	1528.8	1491.7	1440.5	1377.4	1325.9	1263.0	1192.1
35°	1472.8	1459.2	1445.8	1430.6	1382.3	1348.0	1313.5	1258.5	1208.8	1149.5	1069.3
36°	1316.1	1310.9	1299.9	1259.7	1244.1	1197.4	1169.6	1106.5	1066.3	1008.3	942.1
37°	1139.0	1107.9	1123.7	1101.2	1054.1	1039.5	1006.4	952.2	908.8	847.5	799.6
38°	949.0	928.7	939.9	917.1	892.6	858.9	833.7	794.1	745.4	697.3	651.9
39°	752.1	735.7	747.9	732.4	695.1	681.1	658.8	628.5	589.4	551.8	508.8
40°	567.0	545.9	562.2	540.3	523.2	500.3	488.9	461.1	436.7	414.2	386.8
42.5°	259.0	256.7	253.1	245.2	243.3	243.5	229.5	220.4	208.0	193.6	184.9
45°	113.2	116.1	118.5	114.1	113.9	111.4	110.6	104.5	102.1	97.4	91.7
47.5°	55.8	56.8	56.2	57.4	56.4	54.8	54.4	53.6	51.1	50.9	48.3
50°	13.2	13.0	13.0	13.2	13.0	13.0	12.8	12.4	12.2	12.4	11.8
52.5°	4.3	4.5	4.3	4.1	4.3	4.5	4.3	4.3	4.3	4.3	4.3
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°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
2.5°	12.4	10.6	8.7	6.9	5.1	4.1	3.9	3.7
5°	18.7	15.0	9.9	5.9	3.5	2.4	1.8	1.6
7.5°	25.2	18.7	11.0	4.9	2.4	1.0	0.4	0.2
10°	36.1	22.1	11.4	3.9	1.2	0.0	0.0	0.0
12.5°	70.8	25.4	11.2	3.0	0.2	0.0	0.0	0.0
15°	117.7	35.5	10.4	2.0	0.0	0.0	0.0	0.0
17.5°	192.8	45.9	8.9	1.4	0.0	0.0	0.0	0.0
20°	298.9	50.9	6.9	0.6	0.0	0.0	0.0	0.0
21°	350.5	51.3	6.1	0.4	0.0	0.0	0.0	0.0
22°	395.1	51.3	5.3	0.2	0.0	0.0	0.0	0.0
23°	436.5	50.7	4.7	0.0	0.0	0.0	0.0	0.0
24°	470.6	49.9	4.3	0.0	0.0	0.0	0.0	0.0
25°	496.2	48.7	3.9	0.0	0.0	0.0	0.0	0.0
26°	508.0	47.1	3.2	0.0	0.0	0.0	0.0	0.0
27°	513.9	44.9	2.8	0.0	0.0	0.0	0.0	0.0
28°	509.8	42.4	2.4	0.0	0.0	0.0	0.0	0.0
29°	499.7	39.8	1.8	0.0	0.0	0.0	0.0	0.0
30°	486.5	36.7	1.4	0.0	0.0	0.0	0.0	0.0
31°	467.2	33.7	1.0	0.0	0.0	0.0	0.0	0.0
32°	440.8	30.6	0.8	0.0	0.0	0.0	0.0	0.0
33°	405.5	27.4	0.4	0.0	0.0	0.0	0.0	0.0
34°	361.9	24.2	0.2	0.0	0.0	0.0	0.0	0.0
35°	312.9	21.3	0.0	0.0	0.0	0.0	0.0	0.0
36°	270.9	18.3	0.0	0.0	0.0	0.0	0.0	0.0
37°	228.7	14.6	0.0	0.0	0.0	0.0	0.0	0.0
38°	191.6	11.6	0.0	0.0	0.0	0.0	0.0	0.0
39°	158.5	9.3	0.0	0.0	0.0	0.0	0.0	0.0
40°	131.3	6.3	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	72.7	4.3	0.0	0.0	0.0	0.0	0.0	0.0
45°	44.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	25.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0
50°	9.7	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)