

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: P1319259

Luminaire Tested: P3SQAS02R15B2750DE010 E3SQCA301MMS_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319259
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_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

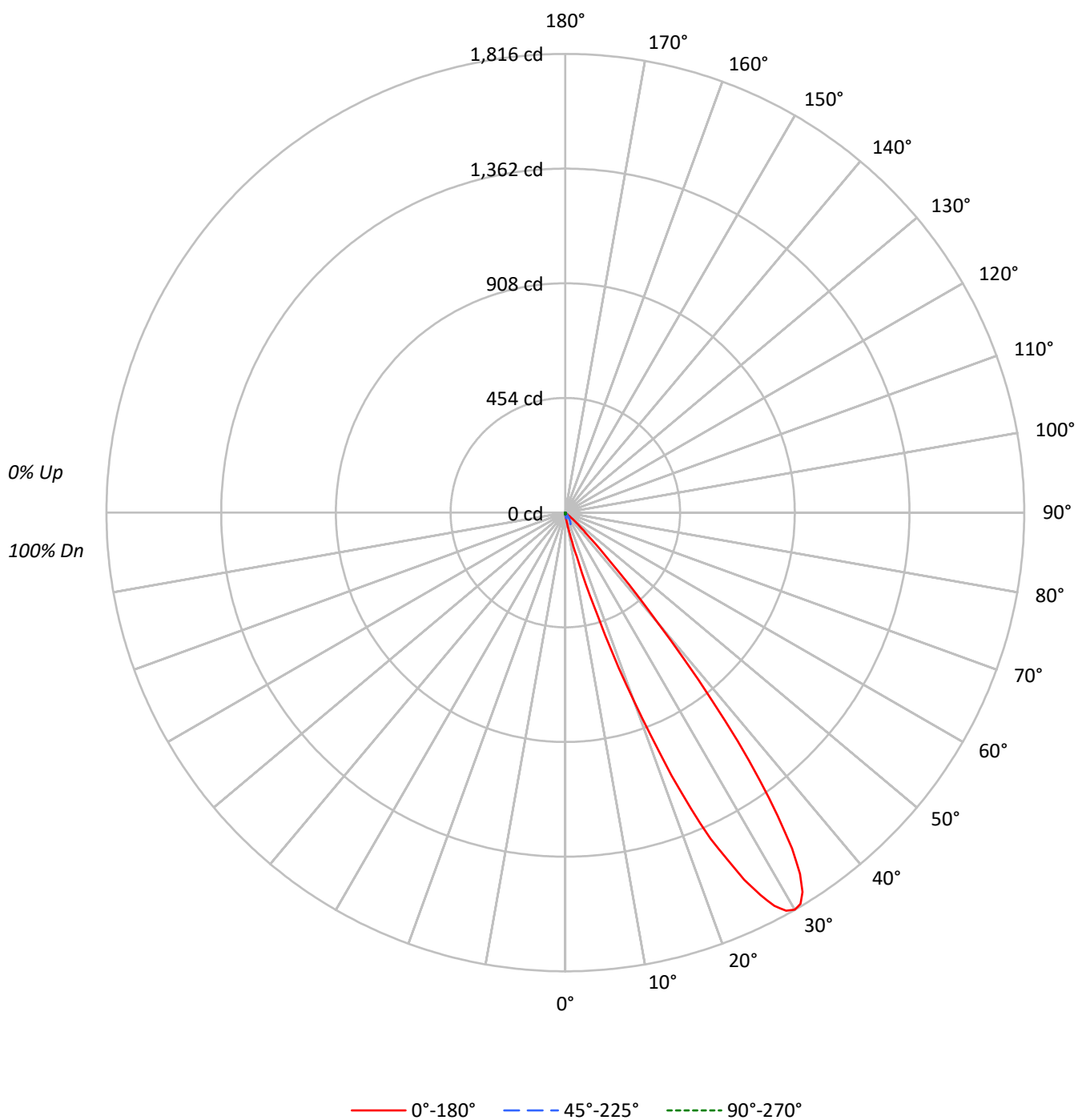
Lumens per Lamp: N/A
Luminaire Lumens: 192.0 lumens
Efficiency: N/A
Efficacy: 66.2 lumens/watt
Spacing Criteria (0/90/45): 2.33 / 0.37 / 1.17
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1319259

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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	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°	3423	2576	1020	415	277
10°	8901	3847	665	0	0
15°	35570	6294	357	0	0
20°	145319	9292	110	0	0
25°	287244	9216	0	0	0
30°	361040	7259	0	0	0
35°	308051	4457	0	0	0
40°	126821	1416	0	0	0
45°	27449	585	0	0	0
50°	3510	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: 28716 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°	78.4	40.8
30°-40°	84.1	43.8
40°-50°	14.2	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°	92.8	48.3
0°-40°	176.9	92.1
0°-60°	191.5	99.8
0°-90°	192.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	192.0	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	35	2	0	0	92
25°	1512	48	0	0	0	684
35°	1465	21	0	0	0	842
45°	113	2	0	0	0	133
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°	12.5	12.7	12.9	12.9	12.9	12.9	12.7	12.7	12.7	12.7	12.5
5°	19.8	19.8	19.8	19.8	19.8	19.8	19.6	19.6	19.6	19.6	19.6
7.5°	28.3	27.9	28.1	27.5	27.9	27.7	27.5	27.9	27.9	26.9	26.9
10°	50.9	50.7	48.7	49.1	49.5	49.3	49.3	48.1	47.8	47.0	46.2
12.5°	98.1	100.3	102.0	102.0	98.1	99.5	96.9	97.5	97.9	96.7	92.5
15°	199.5	203.1	199.3	202.9	201.5	196.2	190.4	182.5	185.5	180.1	178.3
17.5°	436.9	445.2	441.8	425.0	430.4	417.5	409.4	406.4	397.9	372.7	362.2
20°	792.9	802.9	793.5	773.9	780.1	755.7	749.4	743.6	706.0	692.3	648.3
21°	942.7	950.9	954.6	934.2	921.7	902.3	886.1	880.9	858.1	831.6	786.4
22°	1123.6	1113.9	1092.1	1094.9	1076.3	1060.4	1038.0	1016.8	991.3	954.4	917.0
23°	1273.4	1262.1	1251.8	1239.3	1219.3	1208.0	1175.9	1152.6	1119.5	1080.0	1044.0
24°	1412.9	1395.5	1389.1	1366.9	1361.2	1335.8	1309.7	1279.4	1239.5	1197.3	1157.5
25°	1511.6	1514.2	1508.6	1506.0	1477.1	1451.0	1425.2	1378.6	1344.4	1307.1	1245.9
26°	1617.4	1618.6	1615.8	1596.4	1570.4	1544.9	1511.6	1471.0	1421.6	1380.2	1324.9
27°	1698.4	1693.5	1689.5	1666.5	1645.1	1613.0	1582.7	1534.6	1486.4	1437.1	1372.9
28°	1763.0	1753.9	1748.8	1729.1	1704.0	1664.7	1627.5	1582.7	1534.4	1481.5	1412.1
29°	1801.9	1792.3	1786.6	1764.8	1735.9	1701.4	1663.8	1614.6	1562.7	1503.7	1433.9
30°	1815.5	1809.8	1800.9	1778.3	1748.4	1712.5	1673.9	1620.4	1566.1	1505.8	1431.9
31°	1806.6	1799.3	1790.8	1766.4	1734.1	1699.8	1655.0	1598.8	1541.7	1484.2	1405.8
32°	1771.3	1766.8	1756.5	1723.8	1697.6	1653.1	1608.9	1556.4	1494.0	1432.3	1361.4
33°	1705.0	1697.8	1688.9	1659.0	1625.5	1582.9	1538.9	1485.2	1423.2	1358.0	1280.0
34°	1604.1	1594.8	1583.7	1563.7	1520.9	1484.0	1433.1	1370.3	1319.0	1256.4	1186.0
35°	1465.2	1451.6	1438.3	1423.2	1375.1	1341.0	1306.7	1252.0	1202.5	1143.6	1063.8
36°	1309.3	1304.1	1293.2	1253.2	1237.6	1191.2	1163.5	1100.8	1060.8	1003.0	937.2
37°	1133.1	1102.2	1117.9	1095.5	1048.7	1034.1	1001.2	947.3	904.1	843.1	795.5
38°	944.1	923.9	935.0	912.4	887.9	854.4	829.4	790.0	741.6	693.7	648.5
39°	748.2	731.9	744.0	728.7	691.5	677.6	655.4	625.3	586.3	549.0	506.2
40°	564.1	543.1	559.3	537.5	520.5	497.7	486.4	458.7	434.5	412.1	384.8
42.5°	257.6	255.4	251.8	243.9	242.1	242.3	228.3	219.3	206.9	192.6	183.9
45°	112.7	115.5	117.9	113.5	113.3	110.8	110.0	104.0	101.6	96.9	91.3
47.5°	55.5	56.5	55.9	57.1	56.1	54.5	54.1	53.3	50.9	50.7	48.1
50°	13.1	12.9	12.9	13.1	12.9	12.9	12.7	12.3	12.1	12.3	11.7
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°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
2.5°	12.3	10.5	8.7	6.9	5.0	4.0	3.8	3.6
5°	18.6	14.9	9.9	5.9	3.4	2.4	1.8	1.6
7.5°	25.0	18.6	10.9	4.8	2.4	1.0	0.4	0.2
10°	35.9	22.0	11.3	3.8	1.2	0.0	0.0	0.0
12.5°	70.5	25.2	11.1	3.0	0.2	0.0	0.0	0.0
15°	117.1	35.3	10.3	2.0	0.0	0.0	0.0	0.0
17.5°	191.8	45.6	8.9	1.4	0.0	0.0	0.0	0.0
20°	297.4	50.7	6.9	0.6	0.0	0.0	0.0	0.0
21°	348.7	51.1	6.1	0.4	0.0	0.0	0.0	0.0
22°	393.1	51.1	5.2	0.2	0.0	0.0	0.0	0.0
23°	434.3	50.5	4.6	0.0	0.0	0.0	0.0	0.0
24°	468.2	49.7	4.2	0.0	0.0	0.0	0.0	0.0
25°	493.6	48.5	3.8	0.0	0.0	0.0	0.0	0.0
26°	505.4	46.8	3.2	0.0	0.0	0.0	0.0	0.0
27°	511.2	44.6	2.8	0.0	0.0	0.0	0.0	0.0
28°	507.2	42.2	2.4	0.0	0.0	0.0	0.0	0.0
29°	497.1	39.6	1.8	0.0	0.0	0.0	0.0	0.0
30°	484.0	36.5	1.4	0.0	0.0	0.0	0.0	0.0
31°	464.8	33.5	1.0	0.0	0.0	0.0	0.0	0.0
32°	438.5	30.5	0.8	0.0	0.0	0.0	0.0	0.0
33°	403.4	27.3	0.4	0.0	0.0	0.0	0.0	0.0
34°	360.0	24.0	0.2	0.0	0.0	0.0	0.0	0.0
35°	311.3	21.2	0.0	0.0	0.0	0.0	0.0	0.0
36°	269.5	18.2	0.0	0.0	0.0	0.0	0.0	0.0
37°	227.5	14.5	0.0	0.0	0.0	0.0	0.0	0.0
38°	190.6	11.5	0.0	0.0	0.0	0.0	0.0	0.0
39°	157.7	9.3	0.0	0.0	0.0	0.0	0.0	0.0
40°	130.6	6.3	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	72.3	4.2	0.0	0.0	0.0	0.0	0.0	0.0
45°	43.8	2.4	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	25.4	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)