

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: P1319265

Luminaire Tested: P3SQAS02R15B2750DE010 E3SQCA301MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319265
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-59)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R15B2750DE010 E3SQCA301MW_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

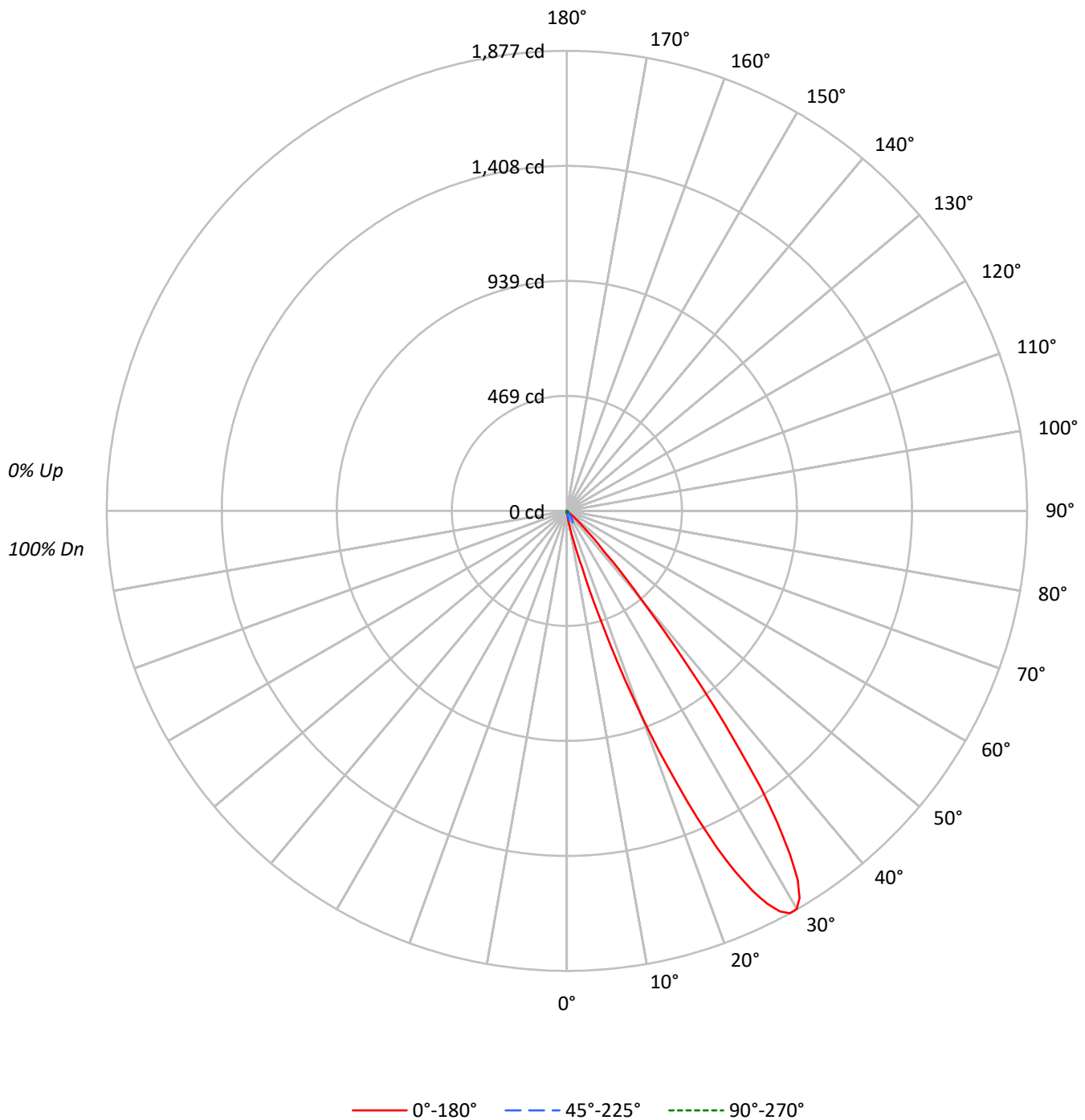
Lumens per Lamp: N/A
Luminaire Lumens: 205.0 lumens
Efficiency: N/A
Efficacy: 70.7 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1319265

CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQCA301MW_3000K

Luminous Intensity Polar Plot



TEST NUMBER: P1319265

CATALOG NUMBER: P3SQA02R15B2750DE010 E3SQA301MW_3000K

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	93	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	69	64	72	67	64	71	66	63	61		
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1171	1171	1171	1171	1171
5°	2524	1867	1106	588	484
10°	11157	3515	874	245	175
15°	42203	8148	606	107	71
20°	162309	11473	367	37	37
25°	308641	10756	190	0	0
30°	372853	8690	80	0	0
35°	290790	5908	42	0	0
40°	106115	2923	45	0	45
45°	27254	877	49	0	97
50°	4582	107	54	54	161
55°	601	0	120	180	300
60°	69	69	207	276	413
65°	82	82	326	408	489
70°	101	101	403	403	504
75°	133	133	532	399	532
80°	0	198	595	397	595
85°	0	395	1186	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 27254 cd/sqm

TEST NUMBER: P1319265

CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQCA301MW_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.9	0.5
10°-20°	15.7	7.7
20°-30°	87.1	42.5
30°-40°	84.2	41.1
40°-50°	14.6	7.1
50°-60°	1.1	0.5
60°-70°	0.6	0.3
70°-80°	0.5	0.2
80°-90°	0.3	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°	103.8	50.6
0°-40°	187.9	91.7
0°-60°	203.6	99.3
0°-90°	205.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	205.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	7	7	7	7	7	
5°	15	11	6	3	3	3
15°	237	46	3	1	0	105
25°	1624	57	1	0	0	726
35°	1383	28	0	0	0	795
45°	112	4	0	0	0	120
55°	2	0	0	1	1	4
65°	0	0	1	1	1	0
75°	0	0	1	1	1	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1319265

CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQCA301MW_3000K

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
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°	10.0	9.6	9.8	9.8	9.8	9.8	9.8	9.4	9.4	9.6	8.6
5°	14.6	14.6	14.4	14.6	14.6	14.4	14.0	13.8	13.8	13.4	10.8
7.5°	29.1	28.7	28.7	28.3	26.3	25.7	25.3	24.3	22.5	22.1	14.0
10°	63.8	64.0	62.6	60.8	60.6	57.6	56.6	54.8	51.4	48.1	20.1
12.5°	115.9	113.3	109.9	110.1	104.3	102.3	97.7	92.7	87.5	82.2	33.1
15°	236.7	229.3	233.7	222.9	210.8	197.0	183.1	165.5	150.6	134.6	45.7
17.5°	498.5	505.7	493.5	447.5	419.2	385.9	339.0	293.7	255.0	223.9	55.8
20°	885.6	896.2	854.9	814.8	746.0	671.0	592.9	504.3	419.6	346.2	62.6
21°	1047.3	1040.9	1024.0	959.8	880.4	793.5	697.7	600.0	497.3	402.0	63.2
22°	1203.7	1206.7	1167.2	1100.0	1017.4	921.1	804.2	683.6	572.9	447.5	62.2
23°	1359.4	1369.0	1316.7	1253.7	1149.8	1041.1	905.9	775.7	638.9	499.5	60.2
24°	1503.6	1497.0	1461.7	1382.3	1271.3	1144.0	1003.6	845.7	693.2	544.0	58.6
25°	1624.2	1623.4	1568.0	1490.8	1363.8	1222.8	1068.1	902.9	739.6	574.1	56.6
26°	1722.9	1706.8	1663.1	1569.0	1443.6	1294.8	1120.9	944.6	765.7	589.3	54.6
27°	1799.1	1787.5	1728.9	1631.0	1500.0	1335.5	1154.8	965.4	777.7	594.3	52.0
28°	1850.4	1837.8	1775.4	1674.5	1531.1	1361.0	1172.8	974.1	777.7	589.5	49.7
29°	1876.9	1859.7	1797.5	1689.4	1538.3	1364.0	1168.4	965.6	765.5	574.7	46.9
30°	1874.9	1853.5	1788.3	1675.9	1516.9	1339.5	1143.8	934.7	738.0	552.8	43.7
31°	1842.6	1818.7	1745.9	1630.0	1472.9	1293.2	1097.6	893.2	700.3	524.3	40.5
32°	1777.0	1746.7	1675.7	1560.2	1405.1	1224.0	1030.4	829.2	643.9	482.6	37.1
33°	1670.1	1639.6	1563.4	1455.1	1313.3	1136.3	941.2	760.4	579.7	432.9	34.3
34°	1536.3	1508.4	1442.8	1333.7	1197.7	1025.2	838.7	665.2	513.1	383.7	31.3
35°	1383.1	1338.7	1279.2	1192.9	1060.3	886.8	728.1	576.7	444.5	332.0	28.1
36°	1175.9	1183.9	1120.9	1015.2	905.3	769.3	617.0	480.8	371.7	283.0	25.3
37°	992.3	979.7	939.6	857.9	762.2	627.2	517.1	407.6	312.7	239.3	22.3
38°	800.4	803.2	764.0	701.1	606.2	515.7	416.2	334.8	261.6	203.6	19.5
39°	626.6	624.4	613.8	555.6	469.6	410.2	337.2	277.6	218.0	171.7	16.6
40°	472.0	475.6	450.9	415.8	365.7	316.9	268.6	221.3	180.3	144.8	13.0
42.5°	229.5	235.1	218.8	209.8	187.6	168.5	142.2	116.1	98.7	85.3	5.8
45°	111.9	108.7	107.3	102.9	97.7	87.3	77.4	66.4	58.0	50.1	3.6
47.5°	57.2	55.6	55.6	53.8	52.0	48.7	43.7	40.1	36.1	31.1	1.4
50°	17.1	17.0	16.8	17.0	16.4	17.0	17.3	17.5	16.0	15.8	0.4
52.5°	6.8	7.0	6.8	7.4	7.4	7.2	7.4	7.2	7.0	6.2	0.0
55°	2.0	2.0	2.0	2.0	2.0	2.0	2.2	2.4	2.2	2.4	0.0
57.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0
60°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.2
62.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2



TEST NUMBER: P1319265

CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQCA301MW_3000K

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1319265

CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQCA301MW_3000K

CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	6.8	6.8	6.8	6.8	6.8	6.8
2.5°	8.0	7.0	5.8	4.8	4.4	4.2
5°	8.6	6.4	4.4	3.4	3.0	2.8
7.5°	9.2	5.8	3.4	2.4	1.8	1.6
10°	9.6	5.0	2.6	1.4	1.0	1.0
12.5°	9.6	4.0	1.8	0.8	0.6	0.6
15°	9.4	3.4	1.2	0.6	0.4	0.4
17.5°	9.2	2.6	0.8	0.4	0.2	0.4
20°	8.6	2.0	0.4	0.2	0.2	0.2
21°	8.4	1.8	0.4	0.2	0.2	0.2
22°	8.0	1.6	0.2	0.0	0.2	0.2
23°	7.6	1.2	0.2	0.0	0.0	0.0
24°	7.0	1.0	0.2	0.0	0.0	0.0
25°	6.6	1.0	0.2	0.0	0.0	0.0
26°	6.2	0.6	0.0	0.0	0.0	0.0
27°	5.6	0.4	0.0	0.0	0.0	0.0
28°	5.2	0.4	0.0	0.0	0.0	0.0
29°	4.6	0.4	0.0	0.0	0.0	0.0
30°	4.0	0.4	0.0	0.0	0.0	0.0
31°	3.2	0.2	0.0	0.0	0.0	0.0
32°	2.6	0.2	0.0	0.0	0.0	0.0
33°	1.8	0.2	0.0	0.0	0.0	0.0
34°	1.2	0.2	0.0	0.0	0.0	0.0
35°	1.0	0.2	0.0	0.0	0.0	0.0
36°	0.6	0.2	0.0	0.0	0.0	0.2
37°	0.6	0.2	0.0	0.0	0.0	0.2
38°	0.4	0.2	0.0	0.0	0.0	0.2
39°	0.2	0.2	0.0	0.0	0.0	0.2
40°	0.2	0.2	0.0	0.0	0.0	0.2
42.5°	0.0	0.2	0.0	0.0	0.2	0.4
45°	0.0	0.2	0.0	0.0	0.2	0.4
47.5°	0.0	0.2	0.0	0.0	0.4	0.4
50°	0.0	0.2	0.2	0.2	0.4	0.6
52.5°	0.0	0.4	0.2	0.4	0.6	0.8
55°	0.2	0.4	0.4	0.6	0.8	1.0
57.5°	0.2	0.6	0.6	0.8	1.0	1.0
60°	0.4	0.6	0.8	0.8	1.2	1.2
62.5°	0.4	0.8	0.8	0.8	1.2	1.2
65°	0.4	0.8	0.8	1.0	1.2	1.2
67.5°	0.4	0.8	0.8	0.8	1.0	1.2
70°	0.4	0.8	0.6	0.8	1.0	1.0
72.5°	0.4	0.8	0.6	0.6	0.8	1.0
75°	0.4	0.8	0.6	0.6	0.8	0.8
77.5°	0.4	0.6	0.6	0.4	0.6	0.6
80°	0.4	0.6	0.4	0.4	0.6	0.6



TEST NUMBER: P1319265

CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQCA301MW_3000K

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)