

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: P1319264

Luminaire Tested: P3SQAS02R15B2750DE010 E3SQCA301MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319264
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_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

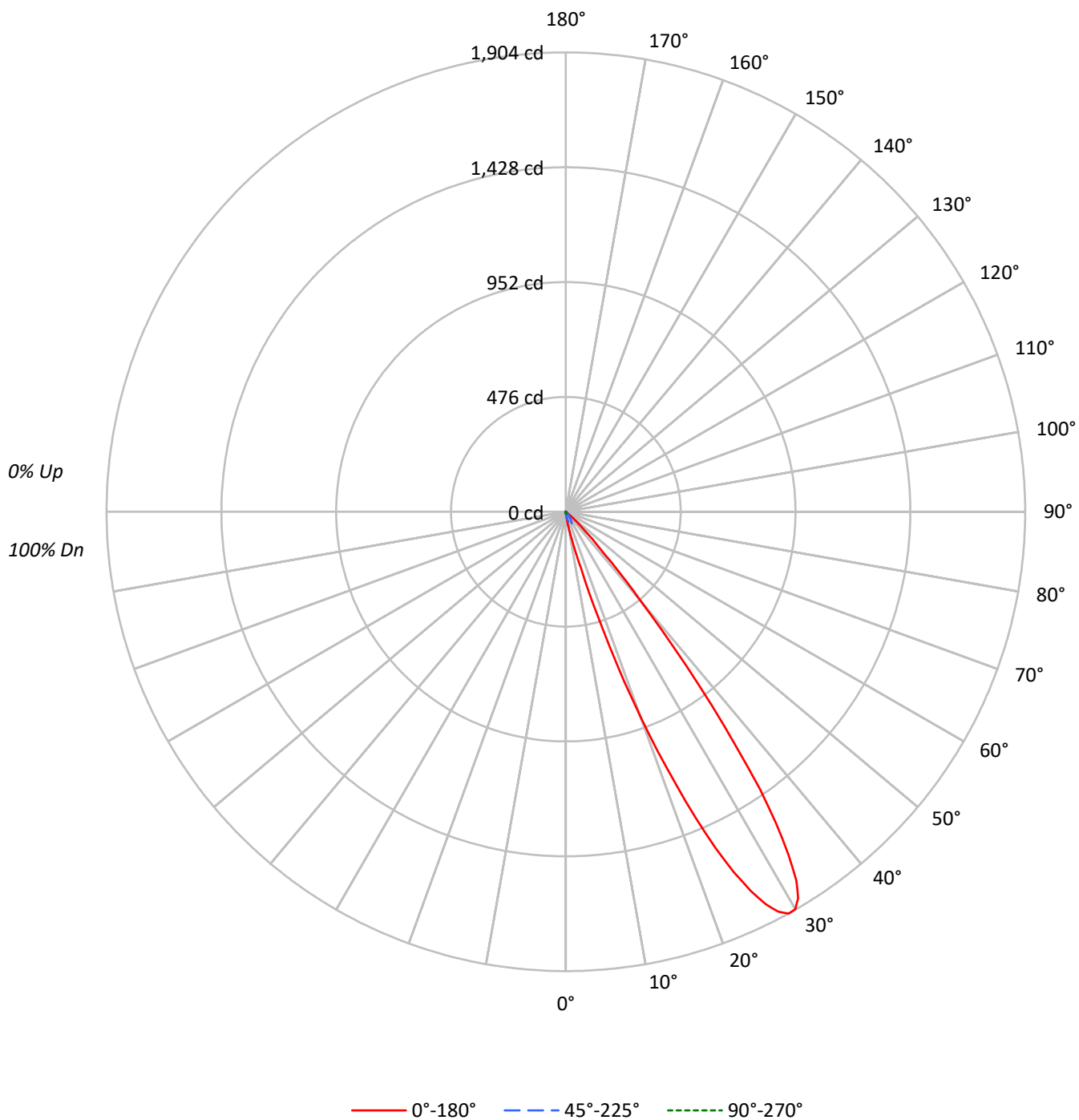
Lumens per Lamp: N/A
Luminaire Lumens: 208.0 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.48 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1319264

CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQCA301MW_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1319264

CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQCA301MW_2700K

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°	1188	1188	1188	1188	1188
5°	2559	1884	1124	588	484
10°	11315	3568	892	245	175
15°	42827	8255	606	107	71
20°	164691	11638	367	37	37
25°	313164	10927	190	0	0
30°	378302	8810	80	0	0
35°	295058	5992	42	0	0
40°	107667	2968	45	0	45
45°	27644	877	49	0	97
50°	4662	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: 27644 cd/sqm

TEST NUMBER: P1319264

CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQCA301MW_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.9	0.5
10°-20°	15.9	7.7
20°-30°	88.4	42.5
30°-40°	85.4	41.1
40°-50°	14.9	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°	105.3	50.6
0°-40°	190.7	91.7
0°-60°	206.6	99.3
0°-90°	208.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	208.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	7	7	7	7	7	
5°	15	11	6	3	3	3
15°	240	46	3	1	0	107
25°	1648	58	1	0	0	737
35°	1403	28	0	0	0	807
45°	114	4	0	0	0	122
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: P1319264

CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQCA301MW_2700K

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
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°	10.1	9.7	9.9	9.9	9.9	9.9	9.9	9.5	9.5	9.7	8.7
5°	14.8	14.8	14.6	14.8	14.8	14.6	14.2	14.0	14.0	13.6	10.9
7.5°	29.5	29.1	29.1	28.7	26.7	26.1	25.7	24.7	22.9	22.5	14.2
10°	64.7	64.9	63.5	61.7	61.5	58.5	57.5	55.6	52.2	48.8	20.4
12.5°	117.6	114.9	111.5	111.7	105.8	103.8	99.1	94.1	88.8	83.4	33.6
15°	240.2	232.7	237.1	226.2	213.9	199.9	185.7	167.9	152.8	136.6	46.3
17.5°	505.8	513.1	500.8	454.0	425.3	391.5	344.0	298.0	258.8	227.2	56.7
20°	898.6	909.3	867.4	826.7	756.9	680.8	601.5	511.7	425.7	351.2	63.5
21°	1062.6	1056.2	1039.0	973.8	893.3	805.1	708.0	608.8	504.6	407.9	64.1
22°	1221.3	1224.3	1184.2	1116.1	1032.3	934.6	816.0	693.6	581.3	454.0	63.1
23°	1379.3	1389.0	1336.0	1272.1	1166.6	1056.4	919.2	787.1	648.3	506.8	61.1
24°	1525.6	1518.9	1483.1	1402.6	1289.9	1160.8	1018.3	858.1	703.3	552.0	59.5
25°	1648.0	1647.2	1590.9	1512.6	1383.7	1240.7	1083.7	916.2	750.4	582.5	57.5
26°	1748.1	1731.8	1687.4	1591.9	1464.7	1313.7	1137.3	958.4	777.0	597.9	55.4
27°	1825.4	1813.7	1754.2	1654.9	1521.9	1355.0	1171.7	979.5	789.1	602.9	52.8
28°	1877.4	1864.7	1801.4	1699.0	1553.5	1380.9	1189.9	988.4	789.1	598.1	50.4
29°	1904.3	1886.9	1823.8	1714.2	1560.8	1383.9	1185.5	979.7	776.8	583.1	47.5
30°	1902.3	1880.7	1814.5	1700.4	1539.1	1359.1	1160.6	948.3	748.8	560.9	44.3
31°	1869.5	1845.3	1771.4	1653.9	1494.4	1312.1	1113.6	906.2	710.6	531.9	41.1
32°	1803.0	1772.2	1700.2	1583.0	1425.6	1241.9	1045.4	841.3	653.3	489.6	37.6
33°	1694.5	1663.6	1586.3	1476.4	1332.6	1152.9	955.0	771.5	588.2	439.3	34.8
34°	1558.8	1530.4	1463.9	1353.2	1215.2	1040.2	851.0	675.0	520.6	389.3	31.8
35°	1403.4	1358.3	1298.0	1210.3	1075.8	899.8	738.7	585.1	451.0	336.9	28.5
36°	1193.2	1201.2	1137.3	1030.1	918.6	780.6	626.0	487.8	377.1	287.1	25.7
37°	1006.8	994.1	953.4	870.4	773.3	636.3	524.6	413.6	317.3	242.8	22.7
38°	812.2	815.0	775.1	711.4	615.1	523.2	422.3	339.7	265.5	206.6	19.8
39°	635.7	633.5	622.8	563.7	476.5	416.2	342.1	281.6	221.1	174.2	16.8
40°	478.9	482.6	457.5	421.9	371.1	321.5	272.5	224.6	182.9	146.9	13.2
42.5°	232.9	238.5	222.0	212.9	190.4	171.0	144.3	117.8	100.2	86.6	5.9
45°	113.5	110.3	108.9	104.4	99.1	88.6	78.5	67.4	58.9	50.8	3.6
47.5°	58.1	56.5	56.5	54.6	52.8	49.4	44.3	40.7	36.6	31.6	1.4
50°	17.4	17.2	17.0	17.2	16.6	17.2	17.6	17.8	16.2	16.0	0.4
52.5°	6.9	7.1	6.9	7.5	7.5	7.3	7.5	7.3	7.1	6.3	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: P1319264

CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQCA301MW_2700K

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: P1319264

CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQCA301MW_2700K

CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	6.9	6.9	6.9	6.9	6.9	6.9
2.5°	8.1	7.1	5.9	4.9	4.5	4.2
5°	8.7	6.5	4.5	3.4	3.0	2.8
7.5°	9.3	5.9	3.4	2.4	1.8	1.6
10°	9.7	5.1	2.6	1.4	1.0	1.0
12.5°	9.7	4.0	1.8	0.8	0.6	0.6
15°	9.5	3.4	1.2	0.6	0.4	0.4
17.5°	9.3	2.6	0.8	0.4	0.2	0.4
20°	8.7	2.0	0.4	0.2	0.2	0.2
21°	8.5	1.8	0.4	0.2	0.2	0.2
22°	8.1	1.6	0.2	0.0	0.2	0.2
23°	7.7	1.2	0.2	0.0	0.0	0.0
24°	7.1	1.0	0.2	0.0	0.0	0.0
25°	6.7	1.0	0.2	0.0	0.0	0.0
26°	6.3	0.6	0.0	0.0	0.0	0.0
27°	5.7	0.4	0.0	0.0	0.0	0.0
28°	5.3	0.4	0.0	0.0	0.0	0.0
29°	4.7	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: P1319264

CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQCA301MW_2700K

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)