

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: P1319423

Luminaire Tested: P3SQAS02R25B2750DE010 E3SQCA301MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319423
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R25B2750DE010 E3SQCA301MW_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 5000K CCT AND, 80CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

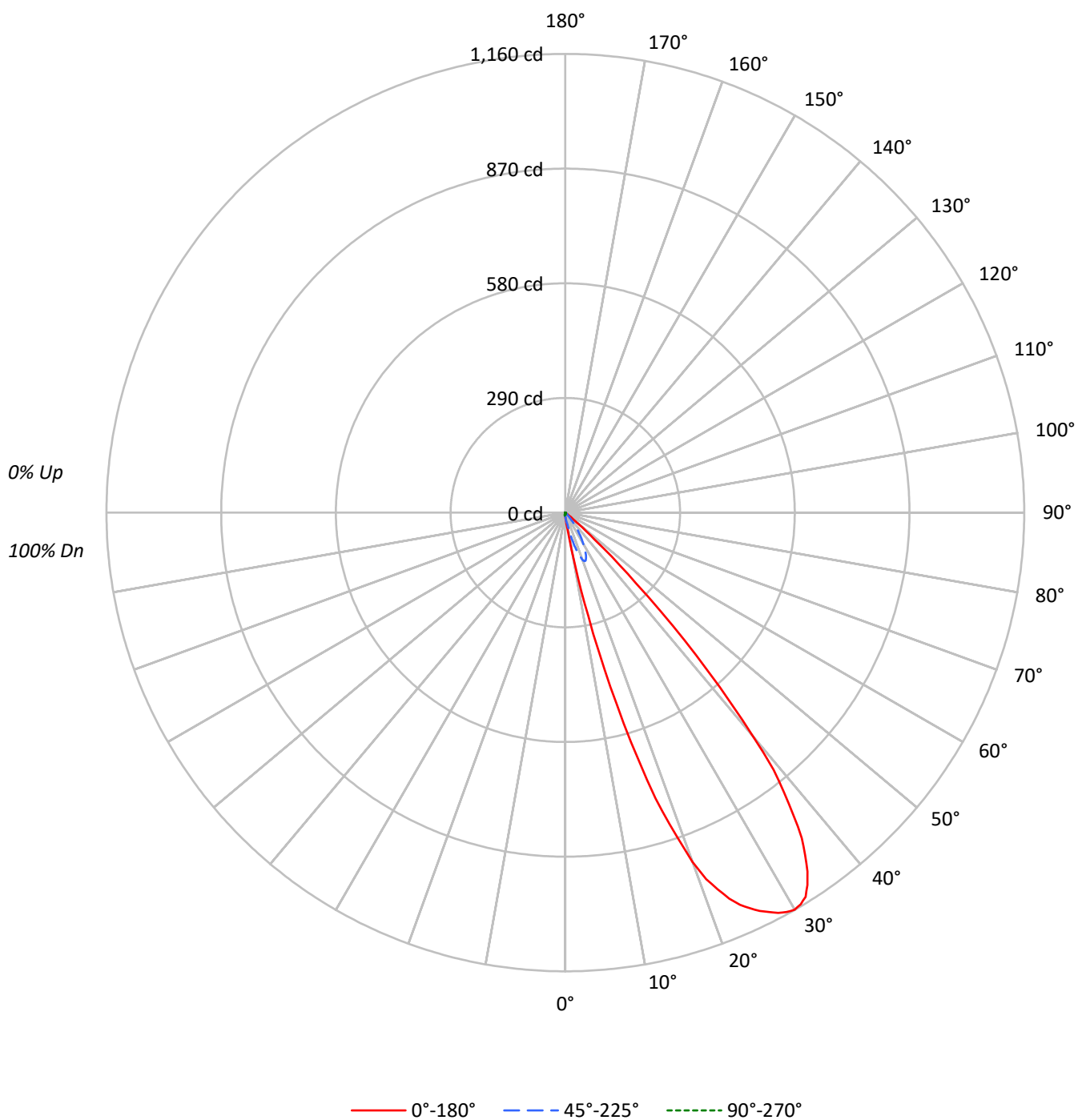
Lumens per Lamp: N/A
Luminaire Lumens: 231.9 lumens
Efficiency: N/A
Efficacy: 80.0 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93
2	106	100	95	92	104	98	94	91	95	92	88	92	89	87	89	87	85
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	61	57
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1722	1722	1722	1722	1722
5°	4305	3181	1608	830	640
10°	18817	5421	1329	385	262
15°	89470	14585	927	160	107
20°	172206	23368	586	37	37
25°	209732	23563	323	0	0
30°	230605	18037	119	0	0
35°	222229	11458	42	0	0
40°	166053	4969	0	0	45
45°	61474	1315	49	49	146
50°	7261	161	107	107	241
55°	721	0	120	180	330
60°	69	0	207	310	379
65°	82	82	367	448	530
70°	101	101	453	453	655
75°	133	133	399	399	599
80°	0	198	595	397	595
85°	0	395	1186	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 61474 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.4	0.6
10°-20°	27.0	11.7
20°-30°	84.9	36.6
30°-40°	89.4	38.5
40°-50°	26.2	11.3
50°-60°	1.4	0.6
60°-70°	0.7	0.3
70°-80°	0.6	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°	113.4	48.9
0°-40°	202.8	87.4
0°-60°	230.4	99.3
0°-90°	231.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	231.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	10	10	10	10	10	
5°	25	18	9	5	4	4
15°	502	82	5	1	1	158
25°	1104	124	2	0	0	506
35°	1057	54	0	0	0	638
45°	252	5	0	0	1	229
55°	2	0	0	1	1	6
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	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
2.5°	15.4	15.6	14.9	15.4	14.9	14.7	14.5	13.4	11.7	10.0	8.2
5°	24.9	24.9	23.8	23.6	23.2	22.3	21.4	18.4	13.2	9.3	6.5
7.5°	39.0	38.7	38.3	37.2	35.1	32.9	30.7	24.0	14.5	8.7	5.0
10°	107.6	106.1	104.1	92.4	79.2	67.5	57.4	31.0	15.6	7.6	3.7
12.5°	267.3	258.7	238.1	214.7	184.9	153.5	122.7	50.4	16.0	6.3	2.6
15°	501.8	483.8	451.7	405.0	344.0	275.3	216.9	81.8	15.6	5.2	1.9
17.5°	757.6	740.3	695.9	624.9	535.1	429.7	326.2	108.4	14.5	4.3	1.3
20°	939.6	921.2	879.7	804.4	707.2	566.7	429.5	127.5	13.6	3.2	0.6
21°	992.9	974.5	930.6	857.8	755.7	614.7	462.6	130.7	13.0	2.8	0.4
22°	1026.7	1015.8	968.7	898.1	794.0	653.3	490.9	132.3	12.6	2.6	0.4
23°	1060.6	1044.4	1000.3	925.8	823.2	681.8	511.9	131.2	12.1	2.2	0.2
24°	1085.8	1072.1	1020.8	947.2	843.5	699.4	524.3	128.4	11.5	1.9	0.2
25°	1103.7	1091.2	1037.7	961.7	857.2	708.9	528.2	124.0	10.8	1.7	0.2
26°	1120.8	1107.2	1051.8	970.2	864.3	711.9	524.5	119.3	10.2	1.5	0.0
27°	1133.2	1119.3	1061.5	975.1	864.8	708.3	514.5	112.8	9.5	1.3	0.0
28°	1146.4	1130.3	1068.2	978.0	862.2	699.6	500.2	105.8	9.1	1.1	0.0
29°	1154.4	1139.2	1075.2	981.0	856.7	685.1	479.5	97.6	8.0	0.6	0.0
30°	1159.6	1141.6	1074.5	977.7	849.6	669.5	454.6	90.7	6.9	0.6	0.0
31°	1155.2	1136.4	1067.6	968.7	838.1	649.2	429.0	82.0	5.6	0.4	0.0
32°	1145.9	1123.6	1055.5	952.9	817.6	623.0	402.6	74.9	4.1	0.4	0.0
33°	1123.2	1104.4	1033.6	931.6	790.7	587.5	368.2	68.0	2.8	0.2	0.0
34°	1094.6	1075.8	1003.7	903.3	754.8	541.6	326.4	60.8	2.4	0.2	0.0
35°	1057.0	1038.4	970.0	863.7	707.2	486.4	283.3	54.5	1.9	0.2	0.0
36°	1017.4	992.7	927.3	821.5	643.3	423.6	237.2	47.4	1.5	0.2	0.0
37°	959.1	942.5	869.9	757.2	574.3	363.4	203.7	40.9	1.1	0.2	0.0
38°	898.7	883.4	812.6	692.5	497.2	303.9	170.6	34.6	0.9	0.0	0.0
39°	836.4	810.9	740.9	609.5	416.5	254.6	143.5	29.0	0.4	0.0	0.0
40°	738.6	719.1	644.4	510.0	344.6	206.3	122.3	22.1	0.4	0.0	0.0
42.5°	489.6	471.4	393.1	276.6	183.1	120.6	80.7	8.7	0.0	0.2	0.0
45°	252.4	240.9	195.7	144.8	103.9	74.0	52.0	5.4	0.0	0.2	0.2
47.5°	100.2	98.3	88.7	76.6	59.1	43.9	28.4	2.4	0.0	0.2	0.2
50°	27.1	27.3	25.5	23.6	21.4	20.1	11.9	0.6	0.0	0.4	0.2
52.5°	11.5	11.7	11.3	10.6	9.5	7.1	4.8	0.2	0.2	0.4	0.4
55°	2.4	2.6	2.8	3.0	3.5	3.0	1.9	0.0	0.2	0.4	0.4
57.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.4	0.0	0.2	0.4	0.6
60°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.4	0.6	0.6
62.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.6	0.9
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.9	0.9
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.9	0.9
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.9	0.9
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.9	0.6
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.6	0.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4	0.6	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4	0.6	0.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	0.6	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.4
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):

	135°	157.5°	180°
0°	10.0	10.0	10.0
2.5°	6.9	6.3	6.1
5°	4.8	4.1	3.7
7.5°	3.2	2.6	2.4
10°	2.2	1.7	1.5
12.5°	1.5	0.9	0.9
15°	0.9	0.6	0.6
17.5°	0.4	0.2	0.2
20°	0.2	0.2	0.2
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.2
39°	0.0	0.2	0.2
40°	0.0	0.2	0.2
42.5°	0.0	0.2	0.4
45°	0.2	0.4	0.6
47.5°	0.4	0.6	0.9
50°	0.4	0.9	0.9
52.5°	0.6	0.9	1.1
55°	0.6	1.1	1.1
57.5°	0.9	1.1	1.3
60°	0.9	1.1	1.1
62.5°	0.9	1.3	1.3
65°	1.1	1.3	1.3
67.5°	1.1	1.3	1.3
70°	0.9	1.1	1.3
72.5°	0.9	1.1	1.1
75°	0.6	0.9	0.9
77.5°	0.6	0.6	0.9
80°	0.4	0.6	0.6



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.4	0.4	0.4
85°	0.2	0.2	0.2
87.5°	0.2	0.2	0.2
90°	0.0	0.0	0.0

(END OF REPORT)