

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: P1319420

Luminaire Tested: P3SQAS02R25B2750DE010 E3SQCA301MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319420
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_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

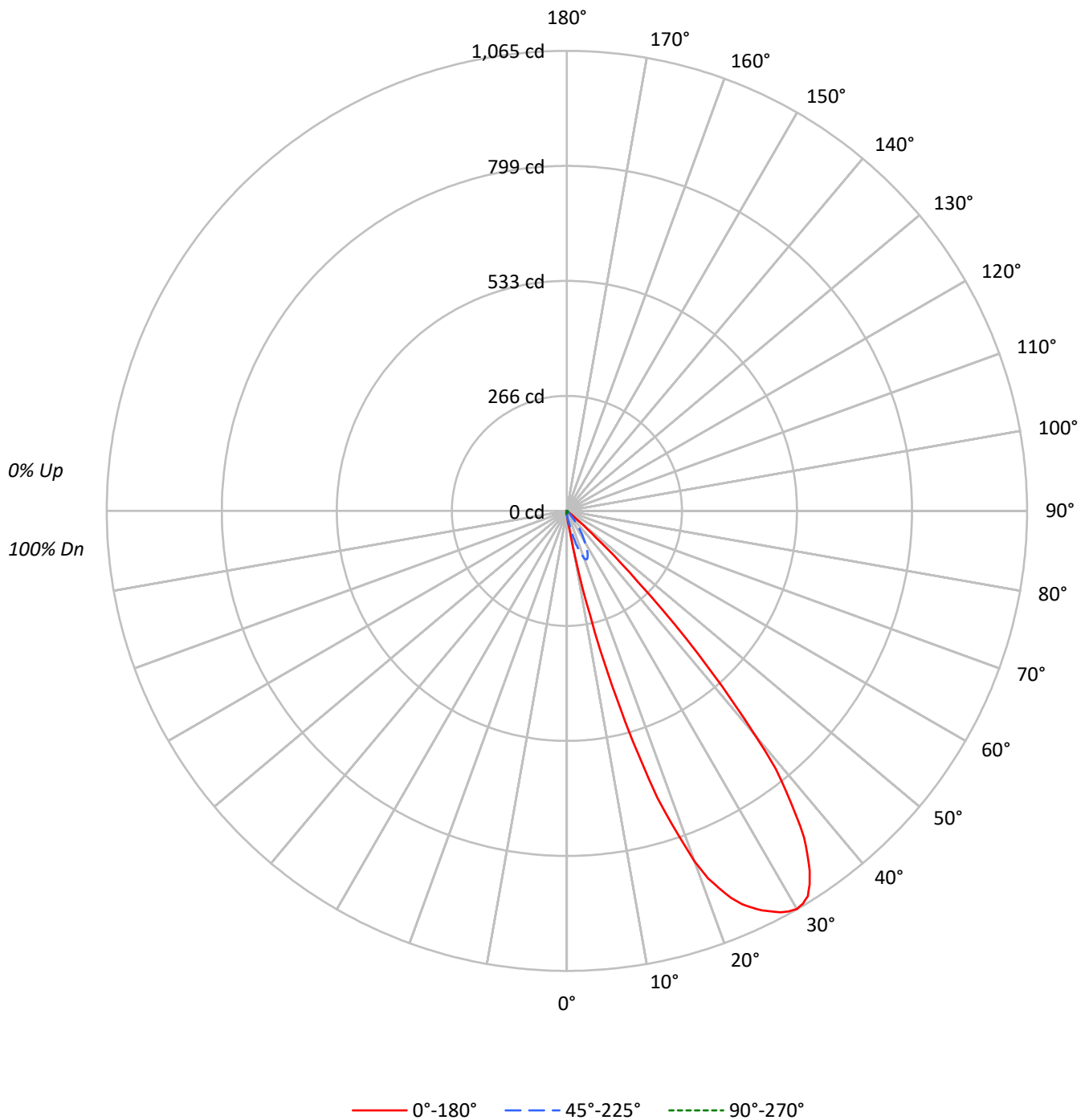
Lumens per Lamp: N/A
Luminaire Lumens: 213.0 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.52 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	50	30
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	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83	
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75	
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68	
5	87	77	70	65	85	76	69	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	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	50	
8	71	60	52	48	70	59	52	47	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	44	39	49	43	39	48	43	39	48	42	39	37	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1567	1567	1567	1567	1567
5°	3959	2922	1469	761	588
10°	17278	4967	1224	350	245
15°	82142	13390	856	143	107
20°	158112	21462	550	37	37
25°	192554	21644	304	0	0
30°	211712	16566	119	0	0
35°	204022	10533	42	0	0
40°	152451	4564	0	0	45
45°	56433	1218	49	49	146
50°	6645	161	107	107	214
55°	661	0	120	180	300
60°	69	0	207	276	344
65°	82	82	326	408	489
70°	101	101	403	403	604
75°	133	133	399	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: 56433 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.3	0.6
10°-20°	24.8	11.7
20°-30°	77.9	36.6
30°-40°	82.1	38.5
40°-50°	24.1	11.3
50°-60°	1.3	0.6
60°-70°	0.6	0.3
70°-80°	0.5	0.3
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°	104.1	48.9
0°-40°	186.2	87.4
0°-60°	211.6	99.3
0°-90°	213.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	213.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	9	9	9	9	9	
5°	23	17	8	4	3	4
15°	461	75	5	1	1	145
25°	1013	114	2	0	0	465
35°	970	50	0	0	0	586
45°	232	5	0	0	1	211
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°	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
2.5°	14.1	14.3	13.7	14.1	13.7	13.5	13.3	12.3	10.7	9.1	7.6
5°	22.9	22.9	21.9	21.7	21.3	20.5	19.7	16.9	12.1	8.5	6.0
7.5°	35.8	35.6	35.2	34.2	32.2	30.2	28.2	22.1	13.3	7.9	4.6
10°	98.8	97.4	95.6	84.9	72.7	62.0	52.7	28.4	14.3	7.0	3.4
12.5°	245.4	237.5	218.6	197.1	169.7	140.9	112.7	46.3	14.7	5.8	2.4
15°	460.7	444.2	414.8	371.8	315.8	252.8	199.1	75.1	14.3	4.8	1.8
17.5°	695.6	679.7	638.9	573.7	491.3	394.5	299.5	99.6	13.3	4.0	1.2
20°	862.7	845.8	807.6	738.5	649.3	520.3	394.3	117.1	12.5	3.0	0.6
21°	911.6	894.7	854.3	787.6	693.8	564.4	424.7	120.0	11.9	2.6	0.4
22°	942.6	932.6	889.3	824.5	728.9	599.8	450.7	121.4	11.5	2.4	0.4
23°	973.8	958.9	918.3	850.0	755.8	626.0	470.0	120.4	11.1	2.0	0.2
24°	996.8	984.3	937.2	869.6	774.5	642.1	481.3	117.8	10.5	1.8	0.2
25°	1013.3	1001.8	952.7	883.0	787.0	650.8	484.9	113.9	9.9	1.6	0.2
26°	1029.0	1016.5	965.6	890.7	793.5	653.6	481.5	109.5	9.3	1.4	0.0
27°	1040.4	1027.6	974.6	895.3	793.9	650.3	472.4	103.5	8.7	1.2	0.0
28°	1052.5	1037.8	980.7	897.9	791.5	642.3	459.3	97.2	8.3	1.0	0.0
29°	1059.8	1045.9	987.1	900.7	786.6	629.0	440.2	89.6	7.4	0.6	0.0
30°	1064.6	1048.1	986.5	897.7	780.0	614.7	417.3	83.3	6.4	0.6	0.0
31°	1060.6	1043.3	980.1	889.3	769.5	596.0	393.9	75.3	5.2	0.4	0.0
32°	1052.1	1031.6	969.0	874.8	750.6	571.9	369.6	68.8	3.8	0.4	0.0
33°	1031.2	1013.9	948.9	855.3	726.0	539.4	338.0	62.4	2.6	0.2	0.0
34°	1005.0	987.7	921.5	829.3	693.0	497.2	299.7	55.8	2.2	0.2	0.0
35°	970.4	953.3	890.5	792.9	649.3	446.6	260.1	50.1	1.8	0.2	0.0
36°	934.0	911.4	851.4	754.2	590.6	388.9	217.8	43.5	1.4	0.2	0.0
37°	880.6	865.3	798.7	695.2	527.2	333.7	187.0	37.6	1.0	0.2	0.0
38°	825.1	811.0	746.0	635.7	456.5	279.0	156.6	31.8	0.8	0.0	0.0
39°	767.9	744.4	680.3	559.6	382.4	233.7	131.8	26.6	0.4	0.0	0.0
40°	678.1	660.2	591.6	468.2	316.4	189.4	112.3	20.3	0.4	0.0	0.0
42.5°	449.5	432.8	360.9	254.0	168.1	110.7	74.1	7.9	0.0	0.2	0.0
45°	231.7	221.2	179.7	133.0	95.4	68.0	47.7	5.0	0.0	0.2	0.2
47.5°	92.0	90.2	81.5	70.4	54.3	40.3	26.0	2.2	0.0	0.2	0.2
50°	24.8	25.0	23.5	21.7	19.7	18.5	10.9	0.6	0.0	0.4	0.2
52.5°	10.5	10.7	10.3	9.7	8.7	6.6	4.4	0.2	0.2	0.4	0.4
55°	2.2	2.4	2.6	2.8	3.2	2.8	1.8	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	0.8
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.8	0.8
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.8	0.8
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.8	0.8
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.8	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°	9.1	9.1	9.1
2.5°	6.4	5.8	5.6
5°	4.4	3.8	3.4
7.5°	3.0	2.4	2.2
10°	2.0	1.6	1.4
12.5°	1.4	0.8	0.8
15°	0.8	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	0.8
50°	0.4	0.8	0.8
52.5°	0.6	0.8	1.0
55°	0.6	1.0	1.0
57.5°	0.8	1.0	1.2
60°	0.8	1.0	1.0
62.5°	0.8	1.2	1.2
65°	1.0	1.2	1.2
67.5°	1.0	1.2	1.2
70°	0.8	1.0	1.2
72.5°	0.8	1.0	1.0
75°	0.6	0.8	0.8
77.5°	0.6	0.6	0.8
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)