

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: P1319500

Luminaire Tested: P3SQAS02R30B2750DE010 E3SQCA301MMS_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319500
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R30B2750DE010 E3SQCA301MMS_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

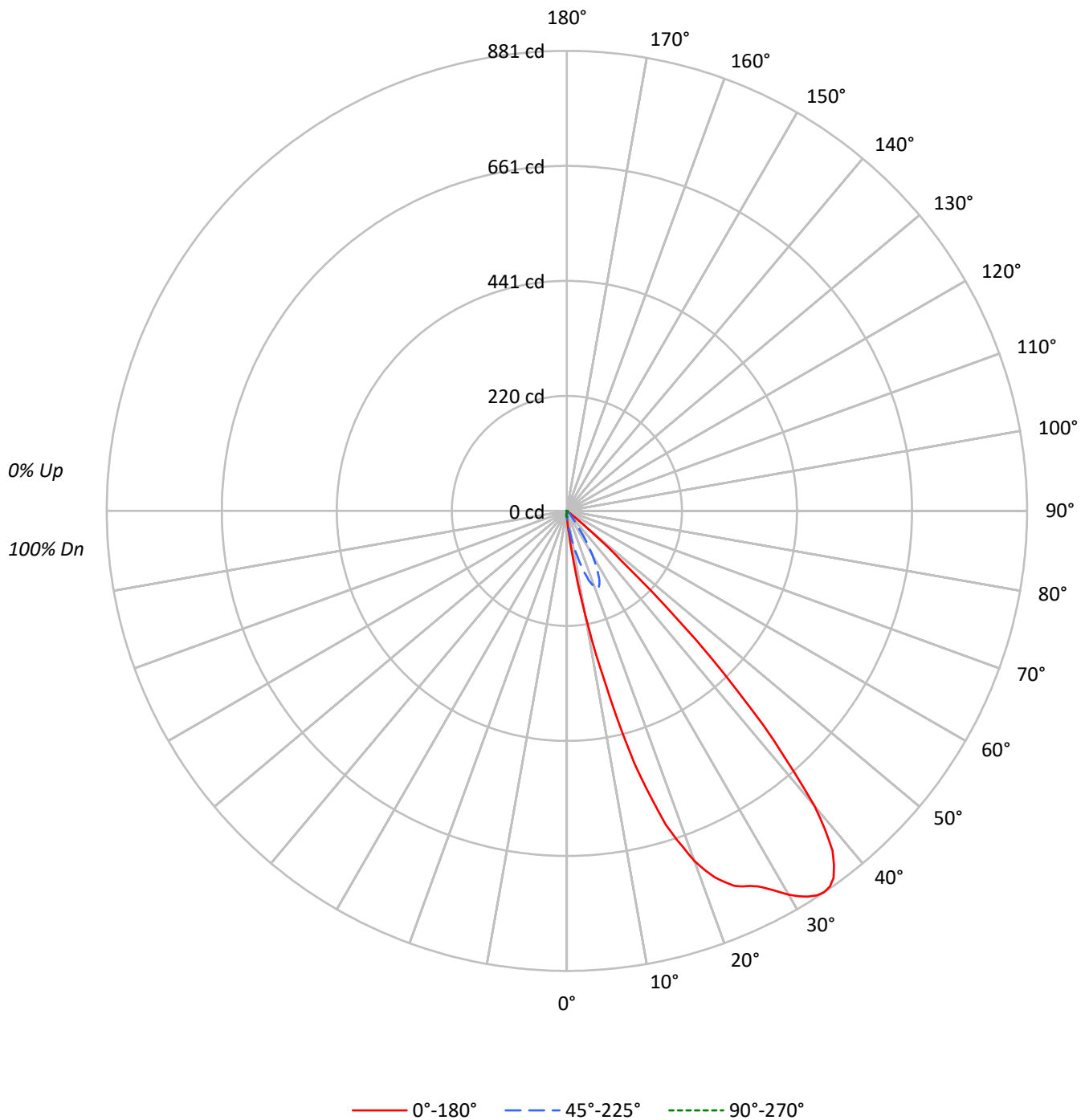
Lumens per Lamp: N/A
Luminaire Lumens: 212.0 lumens
Efficiency: N/A
Efficacy: 73.1 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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	98	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	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	64	58	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	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1946	1946	1946	1946	1946
5°	7088	4408	1781	726	519
10°	35063	10545	1399	140	0
15°	89470	20076	891	0	0
20°	130712	28554	367	0	0
25°	150805	28010	76	0	0
30°	168777	19230	0	0	0
35°	184595	8284	0	0	0
40°	165670	3215	0	0	0
45°	84613	1315	0	0	0
50°	13048	161	0	0	0
55°	781	0	60	0	0
60°	0	0	69	0	0
65°	0	0	163	0	0
70°	0	101	201	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: 0°

Vertical Angle: 45°

Luminance: 84613 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.4	1.1
10°-20°	28.2	13.3
20°-30°	69.8	32.9
30°-40°	80.3	37.9
40°-50°	29.8	14.0
50°-60°	1.1	0.5
60°-70°	0.1	0.0
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°	100.4	47.4
0°-40°	180.7	85.2
0°-60°	211.6	99.8
0°-90°	212.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	212.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	11	11	11	11	11	
5°	41	26	10	4	3	9
15°	502	113	5	0	0	144
25°	794	147	0	0	0	367
35°	878	39	0	0	0	532
45°	347	5	0	0	0	271
55°	3	0	0	0	0	9
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°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
2.5°	20.1	20.3	20.3	19.7	19.5	19.3	18.7	16.9	14.1	11.3	9.2
5°	41.0	41.2	41.2	40.0	37.6	35.2	33.2	25.5	16.3	10.3	6.8
7.5°	96.7	96.9	92.7	87.9	78.4	73.4	64.3	39.2	18.5	9.4	4.4
10°	200.5	196.2	185.2	171.3	156.6	137.5	118.2	60.3	20.1	8.0	2.8
12.5°	335.2	331.1	316.9	297.0	268.2	230.8	194.2	84.8	20.3	6.4	1.6
15°	501.8	490.0	473.1	440.1	397.5	339.6	279.1	112.6	19.5	5.0	0.4
17.5°	630.9	620.1	598.6	560.0	507.1	442.9	368.7	139.1	17.3	3.2	0.0
20°	713.2	701.9	681.8	647.8	591.5	516.1	431.1	155.8	14.3	2.0	0.0
21°	736.7	725.8	706.1	672.3	616.1	540.9	446.4	159.4	12.9	1.6	0.0
22°	757.4	748.8	730.5	693.7	636.6	559.2	462.0	159.8	11.9	1.2	0.0
23°	771.9	765.8	747.5	713.6	656.7	574.2	470.3	157.4	10.7	0.8	0.0
24°	785.9	778.3	762.6	731.1	672.7	586.7	477.9	153.0	9.5	0.6	0.0
25°	793.6	784.9	772.7	743.3	685.8	594.7	482.5	147.4	8.4	0.4	0.0
26°	799.0	792.2	778.9	750.4	691.4	599.8	483.1	139.3	7.6	0.2	0.0
27°	807.1	800.4	787.4	756.8	693.7	599.0	479.5	129.9	6.6	0.0	0.0
28°	819.5	810.5	797.6	763.6	694.7	595.7	471.5	119.8	5.6	0.0	0.0
29°	833.6	824.5	810.3	772.5	694.9	588.9	459.0	108.6	5.0	0.0	0.0
30°	848.7	840.8	826.4	781.3	697.1	580.1	444.5	96.7	4.0	0.0	0.0
31°	860.7	853.5	838.2	789.2	698.9	572.6	426.5	84.8	3.4	0.0	0.0
32°	871.0	864.6	845.7	791.0	695.3	561.8	407.5	73.2	2.8	0.0	0.0
33°	878.2	870.2	848.1	786.5	685.0	544.1	386.2	62.3	2.2	0.0	0.0
34°	880.8	871.2	844.5	774.5	664.1	517.3	358.5	50.9	1.8	0.0	0.0
35°	878.0	866.2	831.6	754.0	635.8	485.2	325.3	39.4	1.4	0.0	0.0
36°	869.0	854.1	813.1	724.8	595.5	447.4	292.1	30.6	1.0	0.0	0.0
37°	849.7	833.2	781.5	686.2	555.5	404.1	254.3	23.9	0.6	0.0	0.0
38°	826.0	802.2	739.3	637.4	503.7	355.3	216.9	19.7	0.4	0.0	0.0
39°	785.7	759.4	689.2	581.3	453.0	309.0	180.4	17.1	0.2	0.0	0.0
40°	736.9	705.7	631.9	521.3	393.1	260.4	150.6	14.3	0.2	0.0	0.0
42.5°	555.9	529.4	450.0	354.5	240.3	153.6	83.6	9.4	0.0	0.0	0.0
45°	347.4	319.7	266.0	194.4	130.1	79.6	40.2	5.4	0.0	0.0	0.0
47.5°	141.9	130.1	107.0	82.4	58.9	37.4	16.7	2.4	0.0	0.0	0.0
50°	48.7	43.4	36.4	26.7	18.9	12.9	8.8	0.6	0.0	0.0	0.0
52.5°	14.1	14.3	12.5	10.7	8.4	6.0	4.4	0.0	0.0	0.0	0.0
55°	2.6	2.2	2.6	2.4	2.6	2.2	1.6	0.0	0.0	0.2	0.0
57.5°	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4	0.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4	0.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.2



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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	0.0	0.2	0.4	0.6	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	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

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	11.3	11.3	11.3
2.5°	7.4	6.6	6.2
5°	4.2	3.2	3.0
7.5°	2.2	1.4	1.2
10°	0.8	0.2	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
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	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)