

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: P1319497

Luminaire Tested: P3SQAS02R30B2750DE010 E3SQCA301MB_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319497
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 E3SQCA301MB_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 4000K CCT AND, 80CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

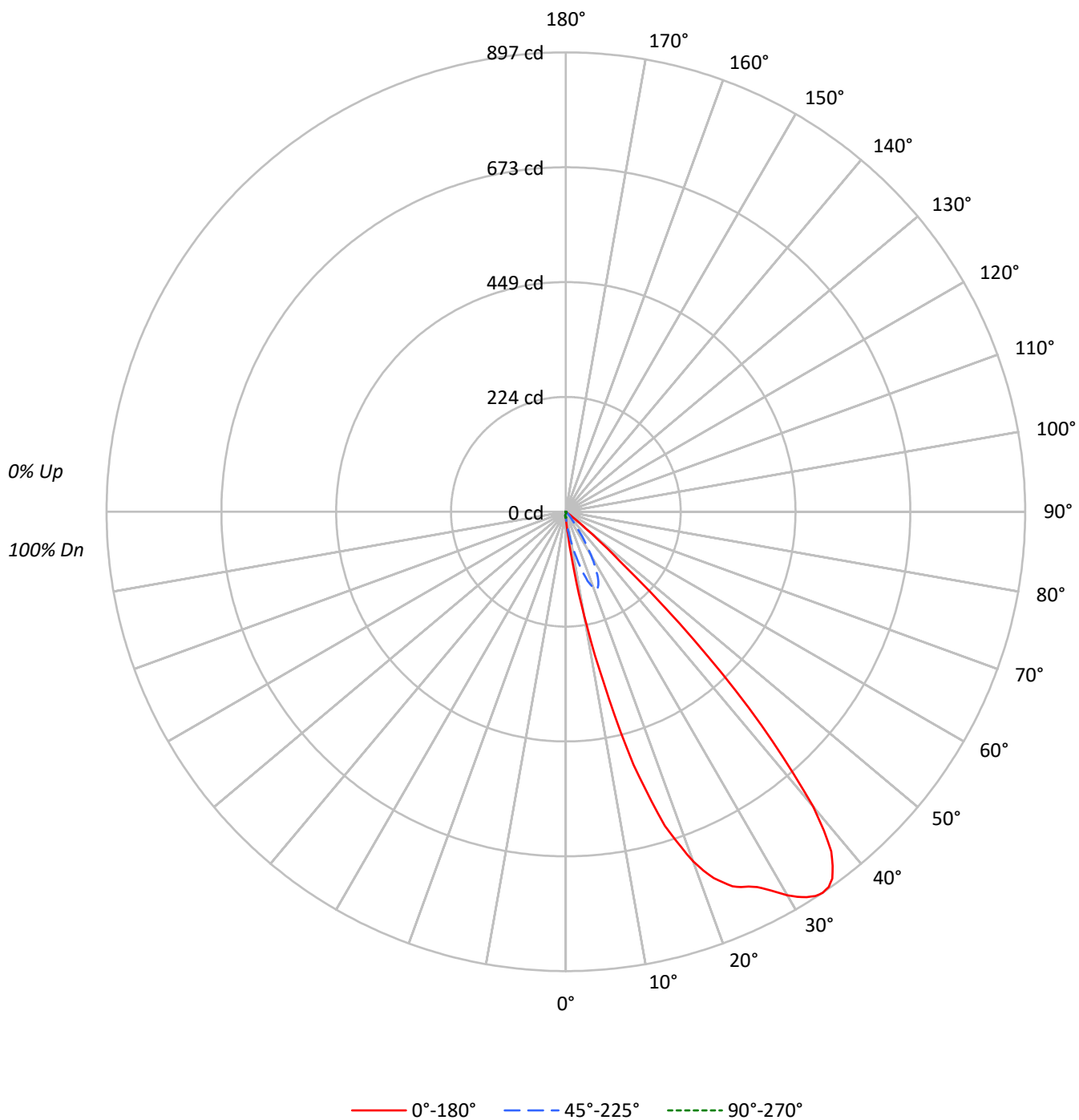
Lumens per Lamp: N/A
Luminaire Lumens: 216.0 lumens
Efficiency: N/A
Efficacy: 74.5 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	1998	1998	1998	1998	1998
5°	7226	4478	1815	743	519
10°	35728	10738	1417	140	0
15°	91146	20451	909	0	0
20°	133186	29086	367	0	0
25°	153656	28542	76	0	0
30°	171959	19588	0	0	0
35°	188064	8431	0	0	0
40°	168795	3282	0	0	0
45°	86196	1340	0	0	0
50°	13316	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: 86196 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.4	1.1
10°-20°	28.8	13.3
20°-30°	71.1	32.9
30°-40°	81.8	37.9
40°-50°	30.3	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°	102.3	47.4
0°-40°	184.1	85.2
0°-60°	215.5	99.8
0°-90°	216.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	216.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	12	12	12	12	12	
5°	42	26	10	4	3	9
15°	511	115	5	0	0	147
25°	809	150	0	0	0	374
35°	894	40	0	0	0	542
45°	354	6	0	0	0	276
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°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
2.5°	20.5	20.7	20.7	20.1	19.9	19.7	19.1	17.2	14.4	11.6	9.3
5°	41.8	42.0	42.0	40.7	38.3	35.9	33.9	25.9	16.6	10.5	6.9
7.5°	98.5	98.7	94.5	89.6	79.9	74.8	65.5	39.9	18.9	9.5	4.5
10°	204.3	199.9	188.7	174.5	159.5	140.1	120.4	61.4	20.5	8.1	2.8
12.5°	341.6	337.3	322.9	302.6	273.2	235.1	197.8	86.4	20.7	6.5	1.6
15°	511.2	499.3	482.0	448.4	405.0	346.0	284.4	114.7	19.9	5.1	0.4
17.5°	642.8	631.8	609.9	570.6	516.7	451.2	375.6	141.7	17.6	3.2	0.0
20°	726.7	715.1	694.7	660.0	602.6	525.8	439.3	158.7	14.6	2.0	0.0
21°	750.6	739.5	719.4	684.9	627.8	551.2	454.9	162.4	13.2	1.6	0.0
22°	771.7	763.0	744.3	706.8	648.7	569.8	470.7	162.8	12.2	1.2	0.0
23°	786.5	780.2	761.6	727.1	669.1	585.0	479.2	160.3	10.9	0.8	0.0
24°	800.7	793.0	777.0	744.9	685.3	597.8	486.9	155.9	9.7	0.6	0.0
25°	808.6	799.7	787.3	757.3	698.7	605.9	491.6	150.2	8.5	0.4	0.0
26°	814.1	807.2	793.6	764.6	704.4	611.2	492.2	141.9	7.7	0.2	0.0
27°	822.4	815.5	802.3	771.1	706.8	610.3	488.5	132.4	6.7	0.0	0.0
28°	834.9	825.8	812.6	778.0	707.8	606.9	480.4	122.0	5.7	0.0	0.0
29°	849.3	840.0	825.6	787.1	708.0	600.0	467.6	110.7	5.1	0.0	0.0
30°	864.7	856.6	842.0	796.0	710.3	591.1	452.8	98.5	4.1	0.0	0.0
31°	876.9	869.6	854.0	804.1	712.1	583.4	434.6	86.4	3.4	0.0	0.0
32°	887.4	881.0	861.7	806.0	708.5	572.4	415.1	74.6	2.8	0.0	0.0
33°	894.7	886.6	864.1	801.3	697.9	554.4	393.4	63.4	2.2	0.0	0.0
34°	897.4	887.6	860.5	789.1	676.6	527.0	365.3	51.9	1.8	0.0	0.0
35°	894.5	882.6	847.3	768.2	647.8	494.4	331.4	40.1	1.4	0.0	0.0
36°	885.4	870.2	828.5	738.5	606.7	455.9	297.6	31.2	1.0	0.0	0.0
37°	865.7	848.9	796.2	699.1	566.0	411.7	259.1	24.3	0.6	0.0	0.0
38°	841.6	817.3	753.2	649.5	513.2	362.0	220.9	20.1	0.4	0.0	0.0
39°	800.5	773.7	702.2	592.3	461.6	314.8	183.9	17.4	0.2	0.0	0.0
40°	750.8	719.0	643.8	531.1	400.5	265.3	153.4	14.6	0.2	0.0	0.0
42.5°	566.4	539.4	458.5	361.2	244.9	156.5	85.1	9.5	0.0	0.0	0.0
45°	353.9	325.7	271.0	198.0	132.6	81.1	40.9	5.5	0.0	0.0	0.0
47.5°	144.5	132.6	109.1	83.9	60.0	38.1	17.0	2.4	0.0	0.0	0.0
50°	49.7	44.2	37.1	27.2	19.3	13.2	8.9	0.6	0.0	0.0	0.0
52.5°	14.4	14.6	12.8	10.9	8.5	6.1	4.5	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°	11.6	11.6	11.6
2.5°	7.5	6.7	6.3
5°	4.3	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)