

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: P1319498

Luminaire Tested: P3SQAS02R30B2750DE010 E3SQCA301MB_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319498
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_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 80CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

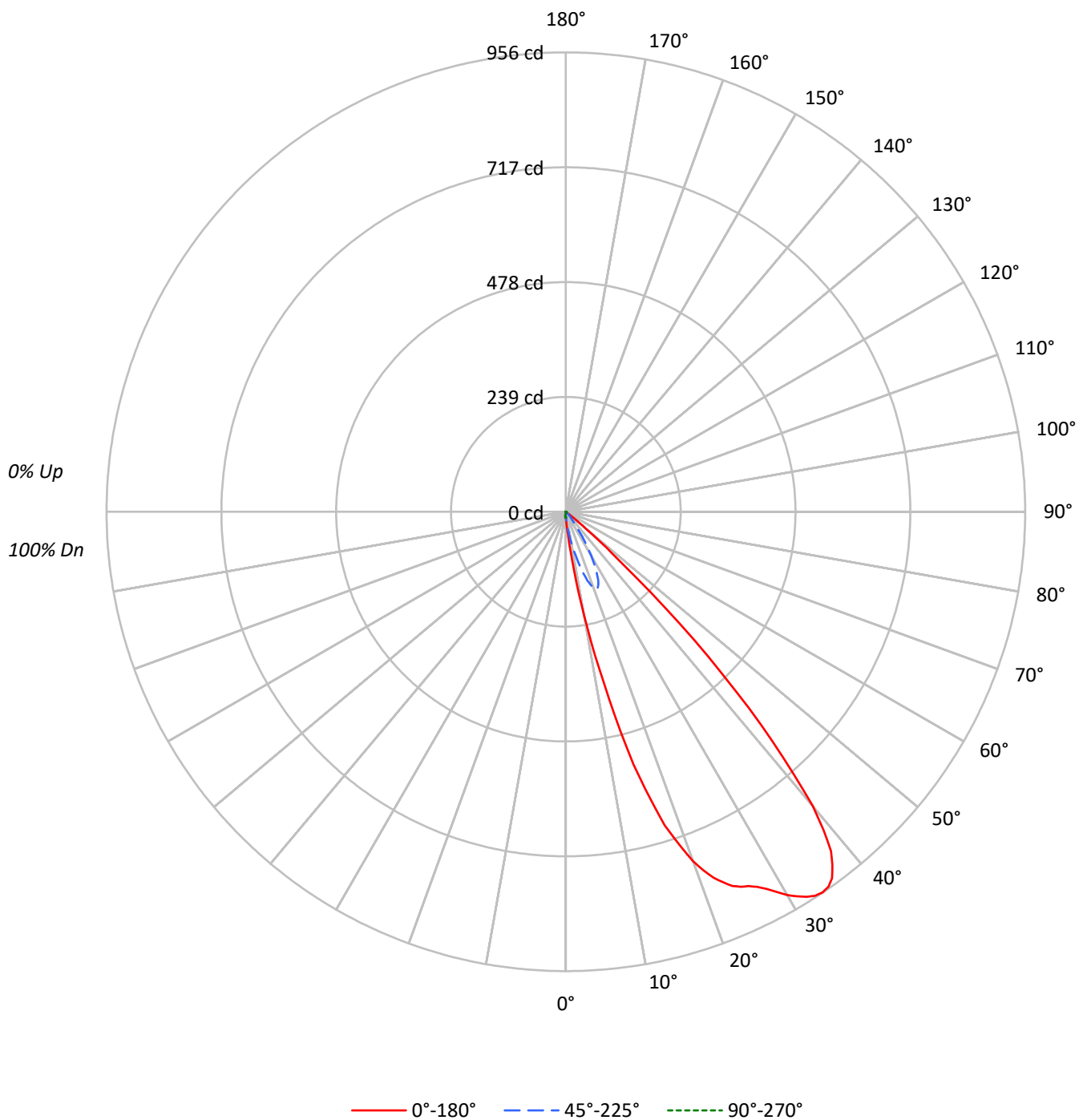
Lumens per Lamp: N/A
Luminaire Lumens: 230.0 lumens
Efficiency: N/A
Efficacy: 79.3 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	77	73	70	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°	2118	2118	2118	2118	2118
5°	7693	4772	1936	778	553
10°	38054	11437	1504	157	0
15°	97065	21788	963	0	0
20°	141819	30974	403	0	0
25°	163613	30385	76	0	0
30°	183115	20861	0	0	0
35°	200258	8977	0	0	0
40°	179744	3485	0	0	0
45°	91798	1413	0	0	0
50°	14174	161	0	0	0
55°	841	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: 91798 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.6	1.1
10°-20°	30.6	13.3
20°-30°	75.7	32.9
30°-40°	87.1	37.9
40°-50°	32.3	14.0
50°-60°	1.2	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°	108.9	47.4
0°-40°	196.0	85.2
0°-60°	229.5	99.8
0°-90°	230.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	230.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	12	12	12	12	12	
5°	44	28	11	4	3	10
15°	544	122	5	0	0	157
25°	861	160	0	0	0	398
35°	952	43	0	0	0	577
45°	377	6	0	0	0	294
55°	3	0	0	0	0	10
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°	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
2.5°	21.8	22.0	22.0	21.4	21.2	20.9	20.3	18.3	15.3	12.3	9.9
5°	44.5	44.7	44.7	43.4	40.8	38.2	36.0	27.6	17.7	11.2	7.3
7.5°	104.9	105.1	100.6	95.4	85.0	79.6	69.7	42.5	20.1	10.1	4.7
10°	217.6	212.8	200.9	185.8	169.9	149.1	128.2	65.4	21.8	8.6	3.0
12.5°	363.7	359.2	343.8	322.3	291.0	250.4	210.7	91.9	22.0	6.9	1.7
15°	544.4	531.6	513.3	477.4	431.3	368.4	302.8	122.2	21.2	5.4	0.4
17.5°	684.4	672.8	649.5	607.6	550.2	480.5	400.0	150.9	18.8	3.5	0.0
20°	773.8	761.5	739.7	702.8	641.7	559.9	467.7	169.0	15.5	2.2	0.0
21°	799.3	787.4	766.0	729.3	668.5	586.9	484.4	172.9	14.0	1.7	0.0
22°	821.7	812.4	792.6	752.6	690.7	606.7	501.2	173.3	13.0	1.3	0.0
23°	837.5	830.8	810.9	774.2	712.5	622.9	510.3	170.7	11.7	0.9	0.0
24°	852.6	844.4	827.3	793.2	729.8	636.5	518.5	166.0	10.4	0.6	0.0
25°	861.0	851.5	838.3	806.4	744.0	645.2	523.4	159.9	9.1	0.4	0.0
26°	866.8	859.5	845.0	814.2	750.1	650.8	524.1	151.1	8.2	0.2	0.0
27°	875.7	868.3	854.3	821.1	752.6	649.9	520.2	140.9	7.1	0.0	0.0
28°	889.1	879.3	865.3	828.4	753.7	646.2	511.5	129.9	6.0	0.0	0.0
29°	904.4	894.5	879.1	838.1	753.9	638.9	497.9	117.8	5.4	0.0	0.0
30°	920.8	912.2	896.6	847.6	756.3	629.4	482.2	104.9	4.3	0.0	0.0
31°	933.7	926.0	909.3	856.2	758.3	621.2	462.8	91.9	3.7	0.0	0.0
32°	945.0	938.1	917.5	858.2	754.4	609.5	442.0	79.4	3.0	0.0	0.0
33°	952.7	944.1	920.1	853.2	743.1	590.3	419.0	67.6	2.4	0.0	0.0
34°	955.5	945.2	916.3	840.3	720.5	561.2	388.9	55.3	1.9	0.0	0.0
35°	952.5	939.8	902.2	818.0	689.8	526.4	352.9	42.7	1.5	0.0	0.0
36°	942.8	926.6	882.1	786.3	646.0	485.4	316.9	33.2	1.1	0.0	0.0
37°	921.9	903.9	847.8	744.4	602.6	438.4	275.8	25.9	0.6	0.0	0.0
38°	896.2	870.3	802.1	691.6	546.5	385.5	235.3	21.4	0.4	0.0	0.0
39°	852.4	823.9	747.7	630.7	491.5	335.2	195.8	18.6	0.2	0.0	0.0
40°	799.5	765.6	685.5	565.5	426.5	282.5	163.4	15.5	0.2	0.0	0.0
42.5°	603.1	574.4	488.2	384.6	260.7	166.6	90.7	10.1	0.0	0.0	0.0
45°	376.9	346.9	288.6	210.9	141.2	86.3	43.6	5.8	0.0	0.0	0.0
47.5°	153.9	141.2	116.1	89.4	63.9	40.6	18.1	2.6	0.0	0.0	0.0
50°	52.9	47.1	39.5	28.9	20.5	14.0	9.5	0.6	0.0	0.0	0.0
52.5°	15.3	15.5	13.6	11.7	9.1	6.5	4.7	0.0	0.0	0.0	0.0
55°	2.8	2.4	2.8	2.6	2.8	2.4	1.7	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°	12.3	12.3	12.3
2.5°	8.0	7.1	6.7
5°	4.5	3.5	3.2
7.5°	2.4	1.5	1.3
10°	0.9	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)