

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: P1319501

Luminaire Tested: P3SQAS02R30B2750DE010 E3SQCA301MMS_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319501
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_3500K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 3500K CCT AND, 80CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

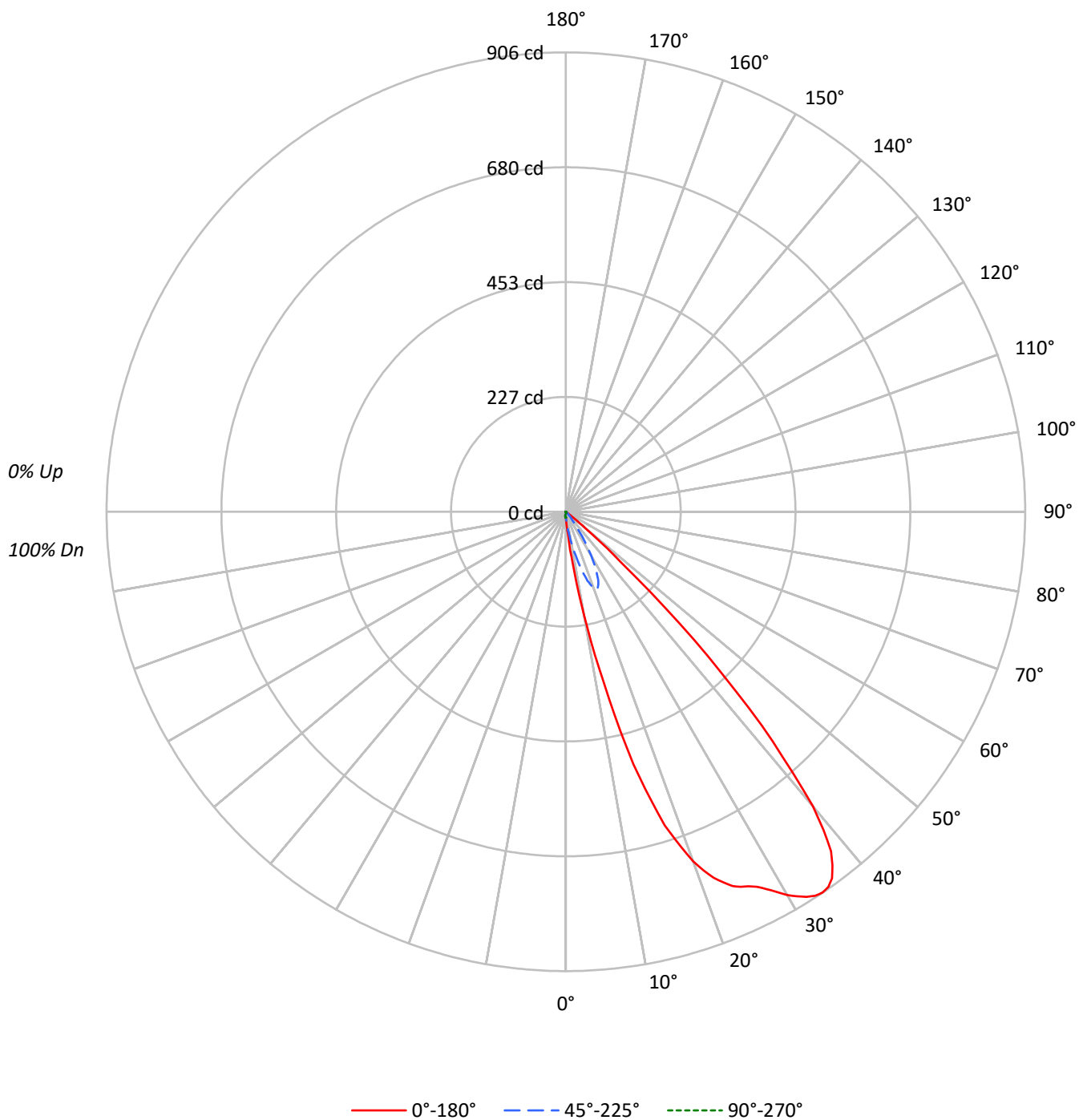
Lumens per Lamp: N/A
Luminaire Lumens: 218.0 lumens
Efficiency: N/A
Efficacy: 75.2 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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°	2015	2015	2015	2015	2015
5°	7278	4529	1833	743	536
10°	36060	10843	1434	140	0
15°	92002	20647	909	0	0
20°	134414	29361	367	0	0
25°	155081	28808	76	0	0
30°	173550	19767	0	0	0
35°	189809	8515	0	0	0
40°	170369	3305	0	0	0
45°	86999	1340	0	0	0
50°	13423	161	0	0	0
55°	811	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: 86999 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.4	1.1
10°-20°	29.0	13.3
20°-30°	71.8	32.9
30°-40°	82.5	37.9
40°-50°	30.6	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°	103.3	47.4
0°-40°	185.8	85.2
0°-60°	217.5	99.8
0°-90°	218.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	218.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	12	12	12	12	12	
5°	42	26	11	4	3	9
15°	516	116	5	0	0	148
25°	816	152	0	0	0	377
35°	903	40	0	0	0	547
45°	357	6	0	0	0	278
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°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
2.5°	20.7	20.9	20.9	20.3	20.0	19.8	19.2	17.4	14.5	11.7	9.4
5°	42.1	42.3	42.3	41.1	38.7	36.2	34.2	26.2	16.8	10.6	7.0
7.5°	99.4	99.6	95.3	90.4	80.6	75.5	66.1	40.3	19.0	9.6	4.5
10°	206.2	201.7	190.5	176.1	161.0	141.4	121.5	62.0	20.7	8.2	2.9
12.5°	344.7	340.4	325.9	305.4	275.8	237.3	199.7	87.2	20.9	6.5	1.6
15°	516.0	503.9	486.5	452.5	408.8	349.2	287.0	115.8	20.0	5.1	0.4
17.5°	648.7	637.7	615.6	575.9	521.5	455.4	379.1	143.0	17.8	3.3	0.0
20°	733.4	721.8	701.1	666.1	608.2	530.7	443.3	160.2	14.7	2.0	0.0
21°	757.6	746.3	726.1	691.3	633.6	556.3	459.1	163.9	13.3	1.6	0.0
22°	778.8	770.0	751.2	713.4	654.7	575.1	475.0	164.3	12.3	1.2	0.0
23°	793.8	787.4	768.6	733.8	675.3	590.4	483.6	161.8	11.0	0.8	0.0
24°	808.1	800.3	784.2	751.8	691.7	603.3	491.4	157.3	9.8	0.6	0.0
25°	816.1	807.1	794.6	764.3	705.2	611.5	496.1	151.6	8.6	0.4	0.0
26°	821.6	814.6	800.9	771.7	710.9	616.8	496.7	143.2	7.8	0.2	0.0
27°	830.0	823.0	809.7	778.2	713.4	616.0	493.0	133.6	6.8	0.0	0.0
28°	842.7	833.5	820.2	785.2	714.4	612.5	484.9	123.2	5.7	0.0	0.0
29°	857.2	847.8	833.3	794.4	714.6	605.6	472.0	111.7	5.1	0.0	0.0
30°	872.7	864.6	849.8	803.4	716.9	596.6	457.0	99.4	4.1	0.0	0.0
31°	885.0	877.7	861.9	811.6	718.7	588.8	438.6	87.2	3.5	0.0	0.0
32°	895.7	889.1	869.7	813.4	715.0	577.7	419.0	75.3	2.9	0.0	0.0
33°	903.0	894.8	872.1	808.7	704.4	559.5	397.1	64.0	2.3	0.0	0.0
34°	905.7	895.9	868.4	796.4	682.9	531.9	368.7	52.4	1.8	0.0	0.0
35°	902.8	890.7	855.1	775.4	653.8	499.0	334.5	40.5	1.4	0.0	0.0
36°	893.6	878.3	836.1	745.3	612.3	460.1	300.3	31.5	1.0	0.0	0.0
37°	873.8	856.8	803.6	705.6	571.2	415.5	261.5	24.5	0.6	0.0	0.0
38°	849.4	824.9	760.2	655.5	518.0	365.4	223.0	20.3	0.4	0.0	0.0
39°	807.9	780.9	708.7	597.8	465.8	317.7	185.6	17.6	0.2	0.0	0.0
40°	757.8	725.6	649.7	536.0	404.3	267.8	154.9	14.7	0.2	0.0	0.0
42.5°	571.6	544.4	462.8	364.6	247.1	157.9	85.9	9.6	0.0	0.0	0.0
45°	357.2	328.8	273.5	199.9	133.8	81.8	41.3	5.5	0.0	0.0	0.0
47.5°	145.9	133.8	110.1	84.7	60.6	38.5	17.2	2.5	0.0	0.0	0.0
50°	50.1	44.6	37.4	27.4	19.4	13.3	9.0	0.6	0.0	0.0	0.0
52.5°	14.5	14.7	12.9	11.0	8.6	6.1	4.5	0.0	0.0	0.0	0.0
55°	2.7	2.3	2.7	2.5	2.7	2.3	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°	11.7	11.7	11.7
2.5°	7.6	6.8	6.3
5°	4.3	3.3	3.1
7.5°	2.3	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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CATALOG NUMBER: P3SQAS02R30B2750DE010 E3SQCA301MMS_3500K

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)