

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: P1319508

Luminaire Tested: P3SQAS02R30B2750DE010 E3SQCA301MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319508
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R30B2750DE010 E3SQCA301MW_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 80CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

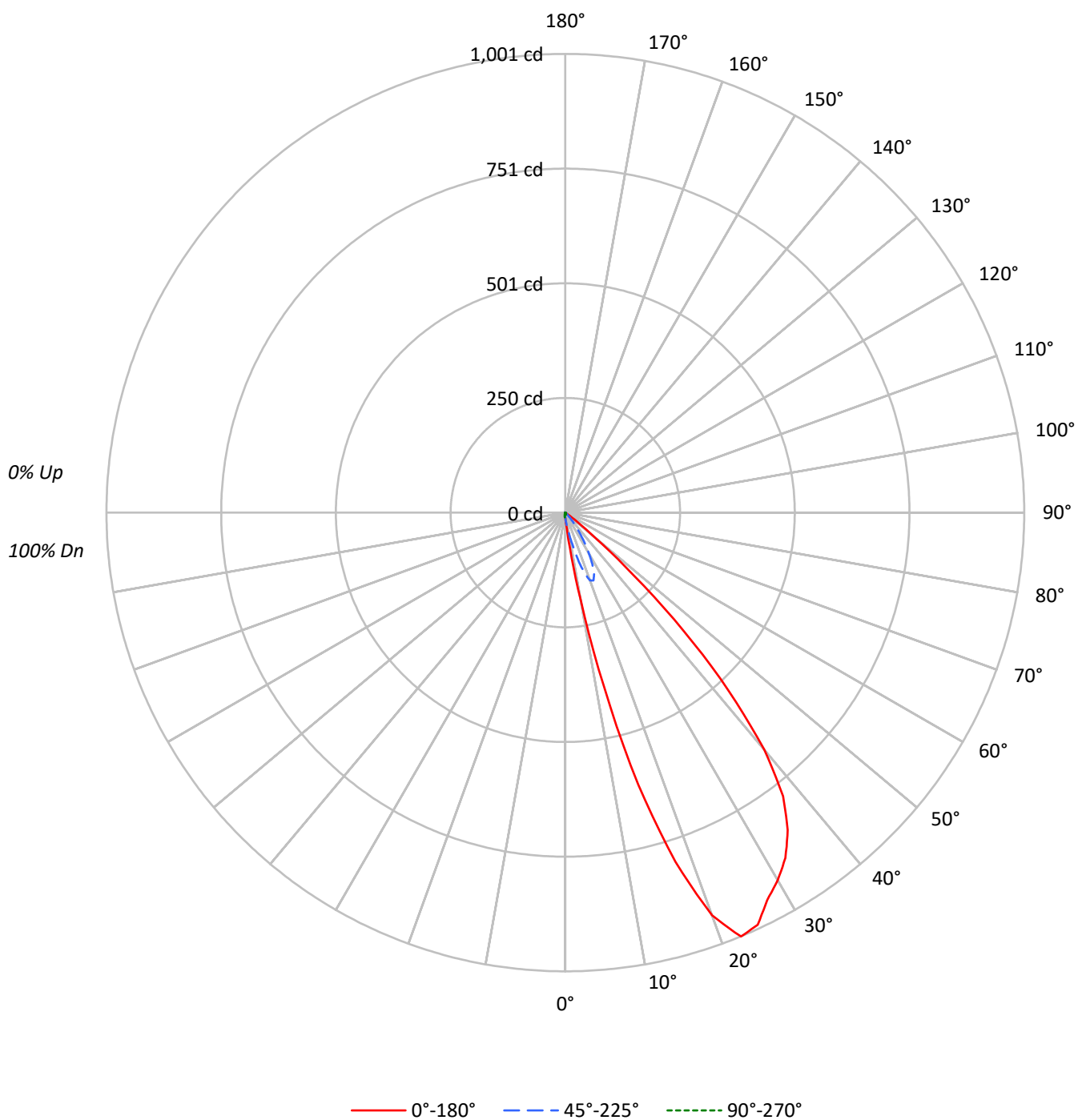
Lumens per Lamp: N/A
Luminaire Lumens: 235.9 lumens
Efficiency: N/A
Efficacy: 81.3 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	104	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	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	67	55	48	43	65	55	48	43	53	47	43	53	47	43	52	46	43	41	
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1929	1929	1929	1929	1929
5°	5809	3873	1833	813	674
10°	33682	8219	1434	385	262
15°	109546	18650	998	71	36
20°	171418	28848	641	0	0
25°	188582	28200	323	0	0
30°	184189	20324	119	0	0
35°	177783	11563	42	0	0
40°	151597	4901	0	0	0
45°	88972	1827	49	0	49
50°	21622	348	54	54	161
55°	1892	0	120	180	270
60°	69	0	138	207	379
65°	82	82	245	245	448
70°	101	101	302	302	453
75°	0	133	399	399	399
80°	0	198	595	397	397
85°	0	395	1186	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 88972 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.1	0.9
10°-20°	32.4	13.7
20°-30°	82.4	34.9
30°-40°	82.2	34.8
40°-50°	33.3	14.1
50°-60°	2.3	1.0
60°-70°	0.5	0.2
70°-80°	0.5	0.2
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°	116.9	49.6
0°-40°	199.1	84.4
0°-60°	234.6	99.5
0°-90°	235.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	235.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	11	11	11	11	11	
5°	34	22	11	5	4	8
15°	614	105	6	0	0	179
25°	992	148	2	0	0	448
35°	846	55	0	0	0	518
45°	365	8	0	0	0	279
55°	6	0	0	1	1	16
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°	35°	40°	45°	67.5°
0°	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
2.5°	18.5	18.8	18.8	18.3	18.1	18.1	17.5	17.3	16.6	16.0	13.8
5°	33.6	33.0	32.1	32.1	30.2	29.1	27.6	25.9	24.6	22.4	16.0
7.5°	76.3	71.2	69.7	67.7	60.4	54.6	47.9	42.1	36.7	32.1	17.7
10°	192.6	182.4	174.0	157.0	135.6	115.2	96.2	74.2	59.1	47.0	19.0
12.5°	388.0	374.4	358.2	327.1	287.2	236.1	190.9	142.5	100.1	69.2	19.4
15°	614.4	591.3	566.1	526.6	461.3	388.0	306.2	229.2	160.7	104.6	19.0
17.5°	799.0	789.9	752.6	698.7	618.7	524.2	423.5	318.3	216.7	136.9	17.7
20°	935.3	929.0	883.9	826.6	736.4	628.2	500.3	373.9	255.8	157.4	15.7
22.5°	1001.0	1000.0	967.4	908.7	813.2	690.5	549.7	406.1	267.8	160.2	13.2
25°	992.4	996.3	977.8	934.2	842.5	716.2	564.4	406.1	259.0	148.4	11.0
27.5°	953.2	955.8	944.1	910.7	825.3	697.6	543.9	380.0	233.3	127.4	9.1
30°	926.2	927.3	912.8	877.0	786.5	655.4	495.6	331.7	194.5	102.2	6.7
32.5°	893.4	893.2	876.4	835.4	735.6	596.1	434.3	274.1	149.4	77.6	3.9
35°	845.6	840.2	817.3	770.1	659.7	516.3	356.0	208.7	107.6	55.0	2.4
37.5°	779.8	765.8	733.4	670.2	553.1	404.8	264.0	146.6	73.5	36.4	1.5
40°	674.3	659.5	615.5	538.7	418.4	291.3	177.9	95.5	46.4	21.8	0.9
42.5°	528.8	518.6	459.3	382.8	276.2	185.9	107.0	56.5	26.1	12.5	0.2
45°	365.3	352.2	305.6	240.7	165.8	103.1	60.0	29.5	14.9	7.5	0.0
47.5°	201.6	185.5	158.5	124.6	83.5	54.1	30.2	16.0	8.4	3.7	0.0
50°	80.7	80.0	63.6	45.3	31.9	24.6	15.1	8.6	4.3	1.3	0.2
52.5°	28.3	28.3	24.4	19.8	15.5	11.2	7.5	4.1	1.5	0.4	0.2
55°	6.3	6.9	6.5	6.0	5.8	5.0	3.2	1.5	0.4	0.0	0.2
57.5°	0.6	0.6	0.6	0.9	1.1	1.1	0.9	0.4	0.0	0.0	0.2
60°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.4
62.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.2	0.2	0.4
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
75°	0.0	0.0	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.6
77.5°	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	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):

	90°	112.5°	135°	157.5°	180°
0°	11.2	11.2	11.2	11.2	11.2
2.5°	11.2	8.8	7.3	6.5	6.3
5°	10.6	6.7	4.7	4.1	3.9
7.5°	9.5	5.0	3.2	2.6	2.4
10°	8.2	3.7	2.2	1.5	1.5
12.5°	6.9	2.8	1.3	0.6	0.4
15°	5.6	1.7	0.4	0.2	0.2
17.5°	4.3	1.1	0.0	0.0	0.0
20°	3.5	0.4	0.0	0.0	0.0
22.5°	2.6	0.2	0.0	0.0	0.0
25°	1.7	0.0	0.0	0.0	0.0
27.5°	1.1	0.0	0.0	0.0	0.0
30°	0.6	0.0	0.0	0.0	0.0
32.5°	0.2	0.0	0.0	0.0	0.0
35°	0.2	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.2	0.0	0.0	0.2	0.2
47.5°	0.2	0.2	0.2	0.4	0.4
50°	0.2	0.2	0.2	0.4	0.6
52.5°	0.4	0.2	0.4	0.6	0.6
55°	0.4	0.4	0.6	0.9	0.9
57.5°	0.4	0.4	0.6	0.9	0.9
60°	0.4	0.4	0.6	0.9	1.1
62.5°	0.6	0.6	0.6	0.9	0.9
65°	0.6	0.6	0.6	0.9	1.1
67.5°	0.6	0.6	0.6	0.9	1.1
70°	0.6	0.6	0.6	0.9	0.9
72.5°	0.9	0.6	0.6	0.9	0.9
75°	0.6	0.6	0.6	0.6	0.6
77.5°	0.6	0.6	0.4	0.6	0.6
80°	0.6	0.4	0.4	0.4	0.4
82.5°	0.6	0.4	0.4	0.4	0.4
85°	0.6	0.4	0.2	0.2	0.2
87.5°	0.6	0.4	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)