

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: P1319504

Luminaire Tested: P3SQAS02R30B2750DE010 E3SQCA301MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319504
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_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

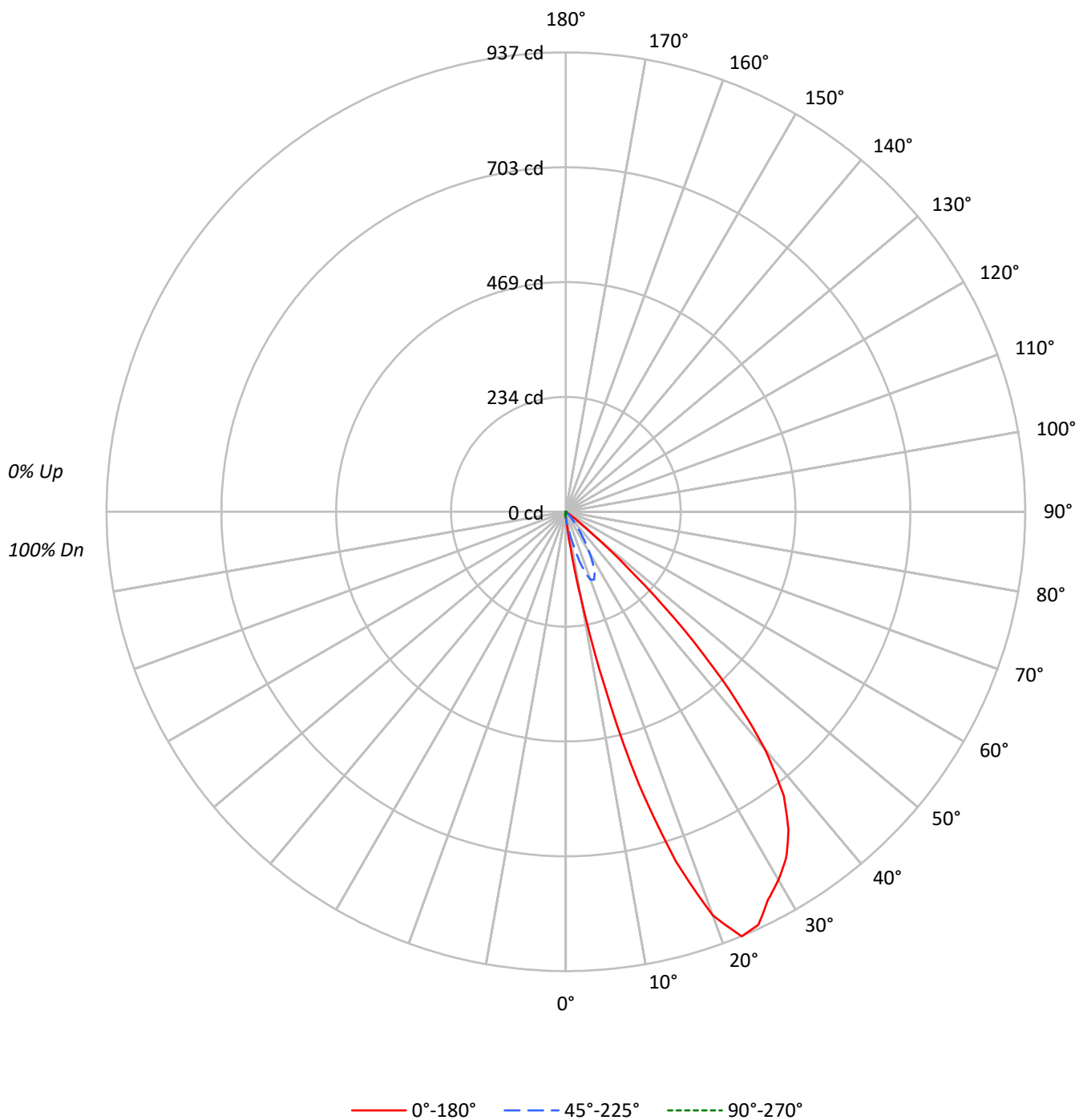
Lumens per Lamp: N/A
Luminaire Lumens: 221.0 lumens
Efficiency: N/A
Efficacy: 76.2 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	0
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	103	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	52	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°	1808	1808	1808	1808	1808
5°	5446	3630	1712	761	622
10°	31531	7695	1347	350	245
15°	102575	17455	945	71	36
20°	160513	27015	586	0	0
25°	176592	26395	304	0	0
30°	172476	19031	119	0	0
35°	166472	10828	42	0	0
40°	141974	4586	0	0	0
45°	83322	1729	49	0	49
50°	20229	322	54	54	161
55°	1772	0	120	180	240
60°	69	0	138	207	344
65°	82	82	245	245	408
70°	101	101	302	302	403
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: 83322 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.9	0.9
10°-20°	30.4	13.7
20°-30°	77.2	34.9
30°-40°	76.9	34.8
40°-50°	31.2	14.1
50°-60°	2.2	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°	109.5	49.5
0°-40°	186.4	84.4
0°-60°	219.7	99.4
0°-90°	221.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	221.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	10	10	10	10	10	
5°	32	21	10	4	4	7
15°	575	98	5	0	0	167
25°	929	139	2	0	0	420
35°	792	52	0	0	0	485
45°	342	7	0	0	0	261
55°	6	0	0	1	1	15
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°	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
2.5°	17.4	17.6	17.6	17.2	17.0	17.0	16.4	16.2	15.5	14.9	12.9
5°	31.5	30.9	30.1	30.1	28.3	27.3	25.8	24.2	23.0	21.0	14.9
7.5°	71.5	66.6	65.2	63.4	56.5	51.1	44.8	39.4	34.3	30.1	16.6
10°	180.3	170.8	163.0	147.0	127.0	107.8	90.1	69.5	55.3	44.0	17.8
12.5°	363.3	350.6	335.4	306.3	269.0	221.1	178.7	133.5	93.7	64.8	18.2
15°	575.3	553.7	530.1	493.1	432.0	363.3	286.8	214.7	150.4	97.9	17.8
17.5°	748.2	739.7	704.8	654.3	579.4	490.9	396.6	298.1	203.0	128.2	16.6
20°	875.8	870.0	827.8	774.0	689.6	588.3	468.5	350.2	239.5	147.4	14.7
22.5°	937.4	936.4	905.9	851.0	761.5	646.6	514.8	380.3	250.8	150.0	12.3
25°	929.3	933.0	915.6	874.8	789.0	670.7	528.5	380.3	242.5	138.9	10.3
27.5°	892.6	895.0	884.1	852.8	772.8	653.3	509.3	355.8	218.5	119.3	8.5
30°	867.3	868.4	854.8	821.3	736.5	613.7	464.1	310.6	182.2	95.7	6.3
32.5°	836.7	836.4	820.7	782.3	688.8	558.2	406.7	256.7	139.9	72.7	3.6
35°	791.8	786.8	765.4	721.1	617.7	483.5	333.4	195.5	100.8	51.5	2.2
37.5°	730.2	717.1	686.8	627.6	518.0	379.0	247.2	137.3	68.9	34.1	1.4
40°	631.5	617.5	576.3	504.5	391.8	272.8	166.6	89.5	43.4	20.4	0.8
42.5°	495.2	485.7	430.1	358.4	258.7	174.1	100.2	52.9	24.4	11.7	0.2
45°	342.1	329.8	286.2	225.4	155.3	96.5	56.1	27.7	13.9	7.1	0.0
47.5°	188.8	173.7	148.4	116.7	78.2	50.7	28.3	14.9	7.9	3.4	0.0
50°	75.5	74.9	59.6	42.4	29.9	23.0	14.1	8.1	4.0	1.2	0.2
52.5°	26.5	26.5	22.8	18.6	14.5	10.5	7.1	3.8	1.4	0.4	0.2
55°	5.9	6.5	6.1	5.7	5.5	4.6	3.0	1.4	0.4	0.0	0.2
57.5°	0.6	0.6	0.6	0.8	1.0	1.0	0.8	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°	10.5	10.5	10.5	10.5	10.5
2.5°	10.5	8.3	6.9	6.1	5.9
5°	9.9	6.3	4.4	3.8	3.6
7.5°	8.9	4.6	3.0	2.4	2.2
10°	7.7	3.4	2.0	1.4	1.4
12.5°	6.5	2.6	1.2	0.6	0.4
15°	5.3	1.6	0.4	0.2	0.2
17.5°	4.0	1.0	0.0	0.0	0.0
20°	3.2	0.4	0.0	0.0	0.0
22.5°	2.4	0.2	0.0	0.0	0.0
25°	1.6	0.0	0.0	0.0	0.0
27.5°	1.0	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	0.8	0.8
57.5°	0.4	0.4	0.6	0.8	0.8
60°	0.4	0.4	0.6	0.8	1.0
62.5°	0.6	0.6	0.6	0.8	0.8
65°	0.6	0.6	0.6	0.8	1.0
67.5°	0.6	0.6	0.6	0.8	1.0
70°	0.6	0.6	0.6	0.8	0.8
72.5°	0.8	0.6	0.6	0.8	0.8
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)