

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: P1310072

Luminaire Tested: P3SQAS09R309040DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310072
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: P3SQAS09R309040DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

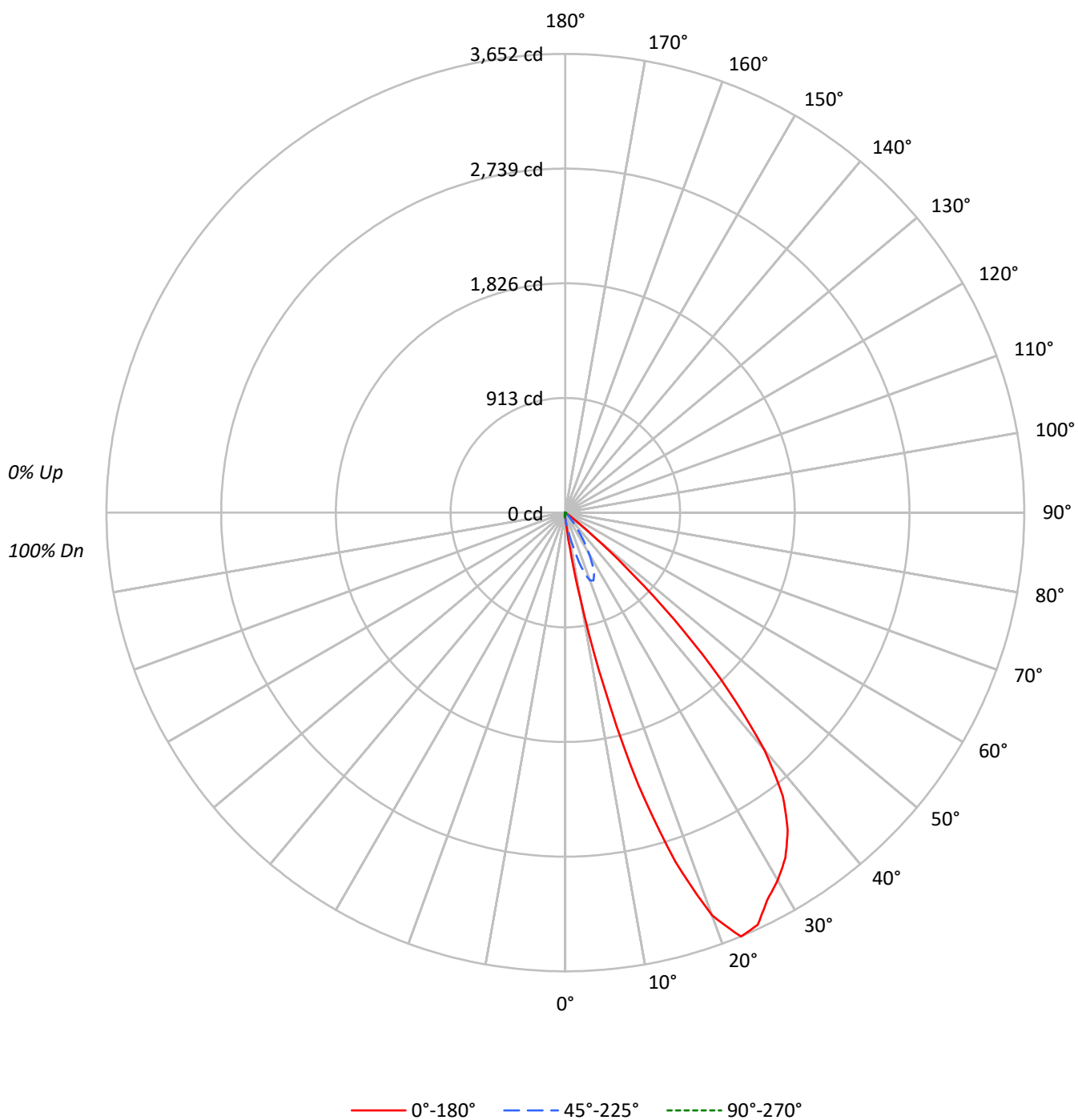
Lumens per Lamp: N/A
Luminaire Lumens: 861.1 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	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	87	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°	7044	7044	7044	7044	7044
5°	21212	14142	6673	2991	2455
10°	122870	29992	5229	1382	962
15°	399655	68039	3655	285	143
20°	625373	105255	2309	0	0
25°	688030	102861	1197	0	0
30°	671987	74157	477	0	0
35°	648585	42175	168	0	0
40°	553104	17873	0	0	0
45°	324616	6698	195	0	195
50°	78825	1259	214	214	643
55°	6846	0	480	721	931
60°	276	0	551	827	1343
65°	326	326	978	978	1589
70°	403	403	1209	1209	1561
75°	0	532	1597	1597	1597
80°	0	793	2380	1587	1587
85°	0	1581	4742	1581	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 324616 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.5	0.9
10°-20°	118.3	13.7
20°-30°	300.7	34.9
30°-40°	299.7	34.8
40°-50°	121.4	14.1
50°-60°	8.4	1.0
60°-70°	1.9	0.2
70°-80°	1.9	0.2
80°-90°	1.1	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°	426.6	49.5
0°-40°	726.3	84.3
0°-60°	856.1	99.4
0°-90°	861.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	861.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	41	41	41	41	41	
5°	123	82	39	17	14	28
15°	2242	382	20	2	1	652
25°	3621	541	6	0	0	1635
35°	3085	201	1	0	0	1891
45°	1333	28	1	0	1	1017
55°	23	0	2	2	3	60
65°	1	1	2	2	4	1
75°	0	1	2	2	2	0
85°	0	1	2	1	1	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°	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
2.5°	67.7	68.4	68.4	66.9	66.1	66.1	63.7	62.9	60.6	58.2	50.4
5°	122.7	120.4	117.2	117.2	110.1	106.2	100.7	94.4	89.7	81.8	58.2
7.5°	278.5	259.6	254.1	247.0	220.3	199.0	174.7	153.4	133.7	117.2	64.5
10°	702.6	665.6	634.9	572.8	494.9	420.1	350.9	270.6	215.6	171.5	69.2
12.5°	1415.4	1365.8	1306.8	1193.5	1048.0	861.5	696.3	520.0	365.1	252.5	70.8
15°	2241.5	2157.3	2065.2	1921.3	1682.9	1415.4	1117.2	836.3	586.1	381.6	69.2
17.5°	2914.9	2881.9	2745.8	2549.1	2257.2	1912.6	1545.2	1161.3	790.7	499.6	64.5
20°	3412.2	3389.3	3224.9	3015.6	2686.8	2291.8	1825.3	1364.2	933.1	574.3	57.4
22.5°	3652.1	3648.2	3529.4	3315.4	2966.9	2519.2	2005.4	1481.5	977.2	584.6	48.0
25°	3620.7	3634.8	3567.2	3408.2	3073.9	2612.8	2058.9	1481.5	944.9	541.3	40.1
27.5°	3477.5	3486.9	3444.4	3322.5	3010.9	2545.2	1984.2	1386.3	851.3	465.0	33.0
30°	3379.1	3383.1	3330.3	3199.7	2869.3	2391.0	1808.0	1210.0	709.7	372.9	24.4
32.5°	3259.5	3258.7	3197.4	3047.9	2683.6	2174.6	1584.5	1000.0	545.2	283.2	14.2
35°	3084.9	3065.2	2981.8	2809.5	2406.7	1883.5	1298.9	761.6	392.6	200.6	8.7
37.5°	2844.9	2793.8	2675.8	2445.2	2018.0	1476.7	963.0	535.0	268.3	133.0	5.5
40°	2460.2	2405.9	2245.4	1965.3	1526.3	1062.9	649.1	348.5	169.2	79.5	3.1
42.5°	1929.1	1892.2	1675.8	1396.5	1007.8	678.2	390.2	206.1	95.2	45.6	0.8
45°	1332.8	1284.8	1114.8	878.0	605.0	376.1	218.7	107.8	54.3	27.5	0.0
47.5°	735.6	676.6	578.3	454.7	304.5	197.5	110.1	58.2	30.7	13.4	0.0
50°	294.2	291.9	232.1	165.2	116.4	89.7	55.1	31.5	15.7	4.7	0.8
52.5°	103.1	103.1	88.9	72.4	56.6	40.9	27.5	14.9	5.5	1.6	0.8
55°	22.8	25.2	23.6	22.0	21.2	18.1	11.8	5.5	1.6	0.0	0.8
57.5°	2.4	2.4	2.4	3.1	3.9	3.9	3.1	1.6	0.0	0.0	0.8
60°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	1.6
62.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.8	0.8	1.6
65°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6
67.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.4
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.4
75°	0.0	0.0	0.8	0.8	0.0	0.8	0.8	0.8	0.8	0.8	2.4
77.5°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	1.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6
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°	40.9	40.9	40.9	40.9	40.9
2.5°	40.9	32.3	26.7	23.6	22.8
5°	38.6	24.4	17.3	14.9	14.2
7.5°	34.6	18.1	11.8	9.4	8.7
10°	29.9	13.4	7.9	5.5	5.5
12.5°	25.2	10.2	4.7	2.4	1.6
15°	20.5	6.3	1.6	0.8	0.8
17.5°	15.7	3.9	0.0	0.0	0.0
20°	12.6	1.6	0.0	0.0	0.0
22.5°	9.4	0.8	0.0	0.0	0.0
25°	6.3	0.0	0.0	0.0	0.0
27.5°	3.9	0.0	0.0	0.0	0.0
30°	2.4	0.0	0.0	0.0	0.0
32.5°	0.8	0.0	0.0	0.0	0.0
35°	0.8	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°	0.8	0.0	0.0	0.8	0.8
47.5°	0.8	0.8	0.8	1.6	1.6
50°	0.8	0.8	0.8	1.6	2.4
52.5°	1.6	0.8	1.6	2.4	2.4
55°	1.6	1.6	2.4	3.1	3.1
57.5°	1.6	1.6	2.4	3.1	3.1
60°	1.6	1.6	2.4	3.1	3.9
62.5°	2.4	2.4	2.4	3.1	3.1
65°	2.4	2.4	2.4	3.1	3.9
67.5°	2.4	2.4	2.4	3.1	3.9
70°	2.4	2.4	2.4	3.1	3.1
72.5°	3.1	2.4	2.4	3.1	3.1
75°	2.4	2.4	2.4	2.4	2.4
77.5°	2.4	2.4	1.6	2.4	2.4
80°	2.4	1.6	1.6	1.6	1.6
82.5°	2.4	1.6	1.6	1.6	1.6
85°	2.4	1.6	0.8	0.8	0.8
87.5°	2.4	1.6	0.8	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)