

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: P1305780

Luminaire Tested: P3SQAS09R409024DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305780
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R409024DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R40 optic, 2400K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

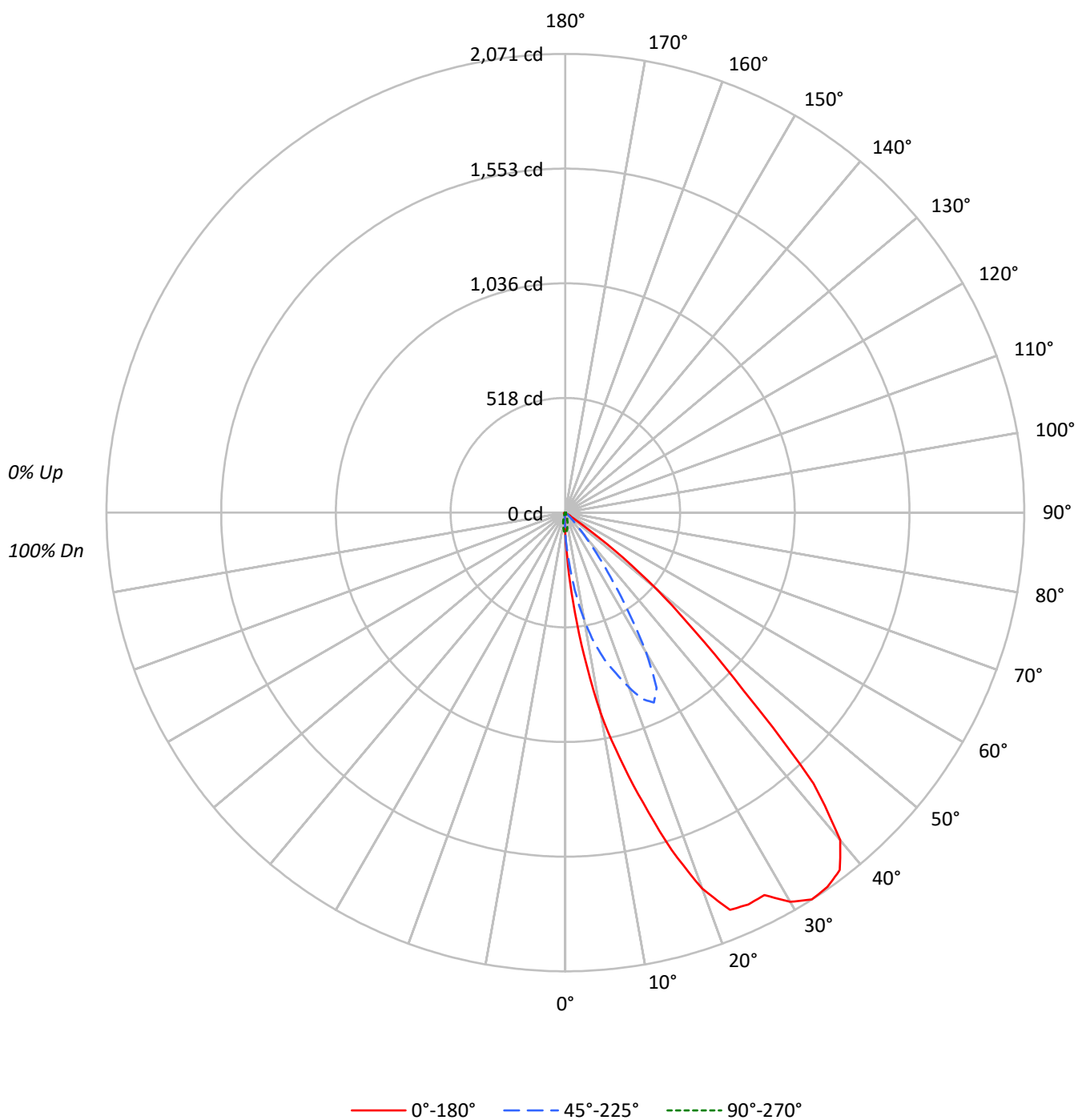
Lumens per Lamp: N/A
Luminaire Lumens: 763.9 lumens
Efficiency: N/A
Efficacy: 68.8 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74		
4	92	83	77	71	90	82	76	71	80	74	70	78	73	69	76	72	68	67		
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60		
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54		
7	75	64	57	52	74	63	56	52	62	56	51	61	55	51	59	54	51	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40		
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	15569	15569	15569	15569	15569
5°	70224	44759	13951	5359	3907
10°	161029	86495	9828	1924	1469
15°	241665	122723	6098	1034	927
20°	330886	153841	3556	586	715
25°	370932	179765	1843	494	608
30°	403458	145112	776	378	636
35°	433609	74259	273	547	820
40°	433769	29609	135	585	1012
45°	276952	9913	317	950	1413
50°	143772	1206	509	1206	1742
55°	12401	180	570	1561	2132
60°	448	207	654	1791	2446
65°	530	245	1060	1834	2649
70°	302	302	1309	1964	2618
75°	399	399	1264	2129	2994
80°	595	595	1884	1884	2579
85°	0	1186	3754	2569	2569

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 276952 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.6	2.3
10°-20°	103.4	13.5
20°-30°	226.5	29.6
30°-40°	258.0	33.8
40°-50°	136.1	17.8
50°-60°	16.1	2.1
60°-70°	2.9	0.4
70°-80°	2.4	0.3
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°	347.5	45.5
0°-40°	605.5	79.3
0°-60°	757.6	99.2
0°-90°	763.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	763.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	90	90	90	90	90	
5°	406	259	81	31	23	55
15°	1355	688	34	6	5	399
25°	1952	946	10	3	3	899
35°	2062	353	1	3	4	1278
45°	1137	41	1	4	6	917
55°	41	1	2	5	7	128
65°	1	1	3	4	6	1
75°	1	1	2	3	4	1
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°	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
2.5°	201.5	201.5	200.8	195.0	194.4	193.7	183.4	180.8	168.5	160.1	122.0
5°	406.2	397.1	396.5	386.1	368.7	345.5	330.6	306.7	283.5	258.9	150.5
7.5°	647.0	654.8	633.5	622.5	583.7	556.0	513.3	475.9	423.6	374.5	173.7
10°	920.8	907.2	885.9	864.6	822.6	772.9	709.6	643.1	567.6	494.6	186.6
12.5°	1134.5	1117.1	1104.2	1075.1	1033.8	969.9	894.3	805.2	705.1	599.9	186.0
15°	1355.4	1337.9	1308.9	1283.0	1221.7	1150.0	1068.0	950.5	827.8	688.3	172.4
17.5°	1598.2	1575.6	1543.3	1503.9	1444.5	1365.1	1261.1	1117.7	944.0	760.7	147.9
20°	1805.4	1791.9	1759.6	1713.1	1655.0	1577.5	1457.4	1298.5	1086.7	839.4	117.5
22.5°	1941.0	1928.8	1906.8	1866.1	1822.2	1739.6	1629.8	1455.5	1206.2	911.1	89.1
25°	1952.0	1946.8	1941.0	1927.5	1901.0	1842.2	1735.0	1547.1	1280.5	946.0	65.9
27.5°	1946.2	1944.3	1943.0	1935.9	1918.4	1860.3	1750.5	1560.7	1270.8	891.7	48.4
30°	2028.8	2023.0	2019.8	1996.6	1950.7	1861.0	1717.6	1487.7	1129.4	729.7	34.9
32.5°	2070.8	2069.5	2066.3	2043.7	1979.1	1862.3	1662.1	1311.5	895.6	526.9	23.9
35°	2062.4	2056.0	2044.3	2002.4	1912.6	1766.0	1482.6	1047.4	646.4	353.2	15.5
37.5°	2034.0	2019.2	1996.6	1921.0	1801.6	1601.4	1202.3	771.0	439.7	228.6	9.0
40°	1929.4	1909.4	1873.9	1781.5	1624.6	1319.9	889.2	521.1	288.6	131.7	2.6
42.5°	1658.9	1633.0	1607.2	1503.9	1324.4	984.1	585.0	322.2	164.7	72.3	0.6
45°	1137.1	1104.8	1069.3	994.4	850.4	596.0	348.0	181.4	85.2	40.7	0.6
47.5°	789.7	774.9	712.9	617.3	473.3	315.8	180.2	89.1	45.2	18.7	0.6
50°	536.6	519.8	447.5	355.1	251.8	151.1	82.7	44.6	20.0	4.5	0.6
52.5°	281.5	260.9	215.0	164.0	102.0	63.3	36.2	19.4	5.8	0.6	0.6
55°	41.3	38.1	31.0	25.2	22.6	17.4	10.3	4.5	0.6	0.6	1.3
57.5°	1.3	1.3	1.3	1.3	1.9	1.9	1.3	0.6	0.6	0.6	1.3
60°	1.3	1.3	1.3	1.3	1.3	0.6	0.6	0.6	0.6	0.6	1.3
62.5°	1.3	1.3	1.3	1.3	1.3	0.6	0.6	0.6	0.6	0.6	1.3
65°	1.3	1.3	1.3	1.3	1.3	0.6	0.6	0.6	0.6	0.6	1.3
67.5°	1.3	1.3	1.3	1.3	0.6	0.6	0.6	0.6	0.6	1.3	1.9
70°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.9
72.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.3	1.9
75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.9
77.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.3	1.9
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	1.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.3
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°	90.4	90.4	90.4	90.4	90.4
2.5°	89.1	65.9	51.0	43.9	43.3
5°	80.7	47.1	31.0	23.9	22.6
7.5°	68.4	32.9	18.1	12.9	12.3
10°	56.2	22.6	11.0	9.0	8.4
12.5°	44.6	14.9	7.7	7.1	6.5
15°	34.2	9.7	5.8	5.2	5.2
17.5°	25.8	6.5	4.5	4.5	4.5
20°	19.4	4.5	3.2	3.9	3.9
22.5°	13.6	3.2	2.6	3.2	3.2
25°	9.7	2.6	2.6	3.2	3.2
27.5°	6.5	1.9	1.9	2.6	3.2
30°	3.9	1.3	1.9	2.6	3.2
32.5°	1.9	1.3	1.9	3.2	3.2
35°	1.3	1.9	2.6	3.2	3.9
37.5°	0.6	1.9	2.6	3.9	3.9
40°	0.6	1.9	2.6	3.9	4.5
42.5°	1.3	2.6	3.2	4.5	5.2
45°	1.3	2.6	3.9	5.2	5.8
47.5°	1.3	2.6	4.5	5.8	5.8
50°	1.9	3.2	4.5	5.8	6.5
52.5°	1.9	3.2	4.5	6.5	7.1
55°	1.9	3.2	5.2	6.5	7.1
57.5°	1.9	3.9	5.2	6.5	7.1
60°	1.9	3.2	5.2	6.5	7.1
62.5°	2.6	3.2	4.5	6.5	6.5
65°	2.6	3.2	4.5	6.5	6.5
67.5°	2.6	3.2	4.5	5.8	5.8
70°	2.6	3.2	3.9	5.2	5.2
72.5°	2.6	3.2	3.9	4.5	5.2
75°	1.9	2.6	3.2	3.9	4.5
77.5°	1.9	2.6	2.6	3.9	3.9
80°	1.9	1.9	1.9	2.6	2.6
82.5°	1.9	1.9	1.3	1.9	1.9
85°	1.9	1.3	1.3	1.3	1.3
87.5°	1.3	1.3	0.6	0.6	0.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)