

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: P1308988

Luminaire Tested: P3SQAS09R409035DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308988
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: P3SQAS09R409035DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

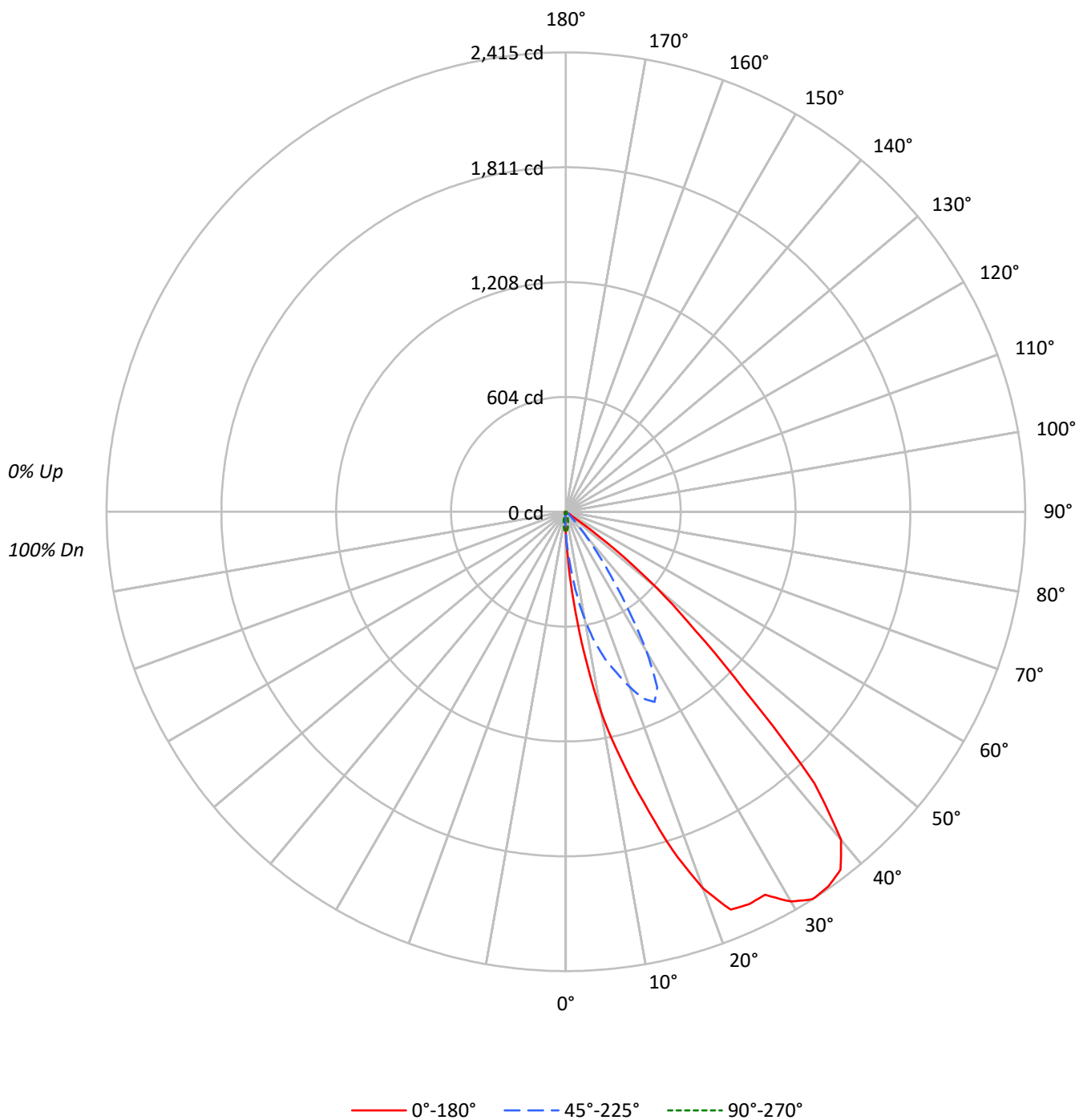
Lumens per Lamp: N/A
Luminaire Lumens: 891.1 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1308988

CATALOG NUMBER: P3SQAS09R409035DE010 E3SQCA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1308988

CATALOG NUMBER: P3SQAS09R409035DE010 E3SQCA301MW

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76
4	92	83	77	71	90	82	76	71	80	74	70	78	73	69	76	72	68
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	60	56
7	75	64	57	52	74	63	56	51	62	56	51	61	55	51	59	54	51
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	18152	18152	18152	18152	18152
5°	81893	52210	16268	6241	4564
10°	187803	100870	11455	2238	1714
15°	281836	143138	7114	1212	1070
20°	385887	179427	4142	696	825
25°	432596	209637	2147	570	722
30°	470536	169235	895	457	756
35°	505702	86600	315	631	946
40°	505869	34532	180	674	1192
45°	322984	11545	365	1096	1656
50°	167671	1420	616	1420	2009
55°	14473	240	691	1802	2492
60°	517	276	792	2067	2859
65°	611	326	1223	2160	3056
70°	403	403	1511	2266	3021
75°	532	532	1530	2529	3527
80°	793	793	2281	2281	2975
85°	0	1581	4545	2964	2964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 322984 cd/sqm

TEST NUMBER: P1308988

CATALOG NUMBER: P3SQAS09R409035DE010 E3SQCA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.5	2.3
10°-20°	120.6	13.5
20°-30°	264.1	29.6
30°-40°	300.9	33.8
40°-50°	158.8	17.8
50°-60°	18.7	2.1
60°-70°	3.4	0.4
70°-80°	2.8	0.3
80°-90°	1.3	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°	405.3	45.5
0°-40°	706.1	79.2
0°-60°	883.6	99.2
0°-90°	891.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	891.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	105	105	105	105	105	
5°	474	302	94	36	26	64
15°	1581	803	40	7	6	466
25°	2276	1103	11	3	4	1049
35°	2405	412	2	3	4	1491
45°	1326	47	2	4	7	1069
55°	48	1	2	6	8	150
65°	2	1	3	5	8	1
75°	1	1	2	4	5	1
85°	0	1	2	2	2	0
90°	0	0	0	0	0	

TEST NUMBER: P1308988

CATALOG NUMBER: P3SQAS09R409035DE010 E3SQCA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	105.4	105.4	105.4	105.4	105.4	105.4	105.4	105.4	105.4	105.4	105.4
2.5°	235.0	235.0	234.2	227.4	226.7	225.9	213.9	210.9	196.5	186.8	142.3
5°	473.7	463.1	462.4	450.3	430.0	402.9	385.6	357.7	330.6	302.0	175.5
7.5°	754.6	763.6	738.7	725.9	680.8	648.4	598.7	555.0	494.0	436.8	202.6
10°	1073.9	1058.0	1033.2	1008.3	959.4	901.4	827.6	750.0	661.9	576.8	217.6
12.5°	1323.1	1302.8	1287.7	1253.8	1205.6	1131.1	1043.0	939.1	822.3	699.6	216.9
15°	1580.7	1560.3	1526.4	1496.3	1424.8	1341.2	1245.6	1108.5	965.4	802.8	201.1
17.5°	1863.8	1837.5	1799.8	1753.9	1684.6	1592.0	1470.7	1303.5	1101.0	887.1	172.5
20°	2105.5	2089.7	2052.1	1997.9	1930.1	1839.7	1699.7	1514.4	1267.4	979.0	137.1
22.5°	2263.7	2249.4	2223.8	2176.3	2125.1	2028.7	1900.7	1697.4	1406.7	1062.6	103.9
25°	2276.5	2270.5	2263.7	2247.9	2217.0	2148.5	2023.5	1804.3	1493.3	1103.2	76.8
27.5°	2269.7	2267.5	2265.9	2257.7	2237.3	2169.6	2041.5	1820.1	1482.0	1040.0	56.5
30°	2366.1	2359.3	2355.6	2328.5	2275.0	2170.3	2003.1	1735.0	1317.1	851.0	40.7
32.5°	2415.1	2413.5	2409.8	2383.4	2308.1	2171.8	1938.4	1529.5	1044.5	614.5	27.9
35°	2405.3	2397.7	2384.2	2335.2	2230.6	2059.6	1729.0	1221.5	753.8	411.9	18.1
37.5°	2372.1	2354.8	2328.5	2240.3	2101.0	1867.6	1402.2	899.2	512.8	266.6	10.5
40°	2250.1	2226.8	2185.4	2077.7	1894.7	1539.2	1037.0	607.7	336.6	153.6	3.0
42.5°	1934.6	1904.5	1874.4	1753.9	1544.5	1147.7	682.3	375.8	192.0	84.3	0.8
45°	1326.1	1288.5	1247.1	1159.7	991.8	695.1	405.9	211.6	99.4	47.4	0.8
47.5°	921.0	903.7	831.4	719.9	552.0	368.2	210.1	103.9	52.7	21.8	0.8
50°	625.8	606.2	521.9	414.2	293.7	176.2	96.4	52.0	23.3	5.3	0.8
52.5°	328.3	304.2	250.8	191.3	119.0	73.8	42.2	22.6	6.8	0.8	0.8
55°	48.2	44.4	36.1	29.4	26.4	20.3	12.0	5.3	0.8	0.8	1.5
57.5°	1.5	1.5	1.5	1.5	2.3	2.3	1.5	0.8	0.8	0.8	1.5
60°	1.5	1.5	1.5	1.5	1.5	0.8	0.8	0.8	0.8	0.8	1.5
62.5°	1.5	1.5	1.5	1.5	1.5	0.8	0.8	0.8	0.8	0.8	1.5
65°	1.5	1.5	1.5	1.5	1.5	0.8	0.8	0.8	0.8	0.8	1.5
67.5°	1.5	1.5	1.5	1.5	0.8	0.8	0.8	0.8	0.8	1.5	2.3
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	2.3
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3
77.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	2.3
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	2.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1308988

CATALOG NUMBER: P3SQAS09R409035DE010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	105.4	105.4	105.4	105.4	105.4
2.5°	103.9	76.8	59.5	51.2	50.5
5°	94.1	55.0	36.1	27.9	26.4
7.5°	79.8	38.4	21.1	15.1	14.3
10°	65.5	26.4	12.8	10.5	9.8
12.5°	52.0	17.3	9.0	8.3	7.5
15°	39.9	11.3	6.8	6.0	6.0
17.5°	30.1	7.5	5.3	5.3	5.3
20°	22.6	5.3	3.8	4.5	4.5
22.5°	15.8	3.8	3.0	3.8	3.8
25°	11.3	3.0	3.0	3.8	3.8
27.5°	7.5	2.3	2.3	3.0	3.8
30°	4.5	1.5	2.3	3.0	3.8
32.5°	2.3	1.5	2.3	3.8	3.8
35°	1.5	2.3	3.0	3.8	4.5
37.5°	0.8	2.3	3.0	4.5	4.5
40°	0.8	2.3	3.0	4.5	5.3
42.5°	1.5	3.0	3.8	5.3	6.0
45°	1.5	3.0	4.5	6.0	6.8
47.5°	1.5	3.0	5.3	6.8	6.8
50°	2.3	3.8	5.3	6.8	7.5
52.5°	2.3	3.8	5.3	7.5	8.3
55°	2.3	3.8	6.0	7.5	8.3
57.5°	2.3	4.5	6.0	7.5	8.3
60°	2.3	3.8	6.0	7.5	8.3
62.5°	3.0	3.8	5.3	7.5	7.5
65°	3.0	3.8	5.3	7.5	7.5
67.5°	3.0	3.8	5.3	6.8	6.8
70°	3.0	3.8	4.5	6.0	6.0
72.5°	3.0	3.8	4.5	5.3	6.0
75°	2.3	3.0	3.8	4.5	5.3
77.5°	2.3	3.0	3.0	4.5	4.5
80°	2.3	2.3	2.3	3.0	3.0
82.5°	2.3	2.3	1.5	2.3	2.3
85°	2.3	1.5	1.5	1.5	1.5
87.5°	1.5	1.5	0.8	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)