

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: P1310115

Luminaire Tested: P3SQAS09R459040DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310115
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-69)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R459040DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

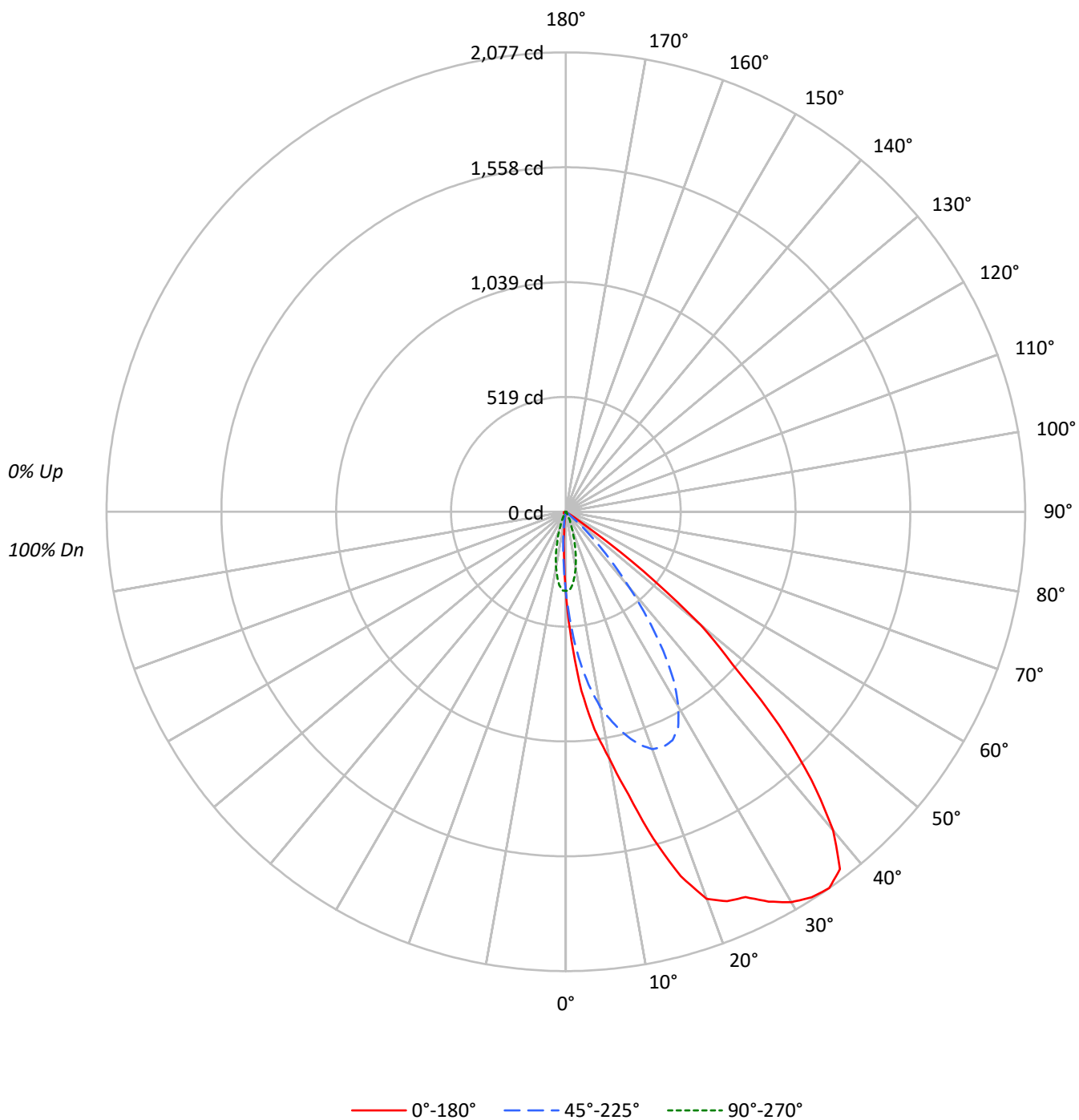
Lumens per Lamp: N/A
Luminaire Lumens: 941.0 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Spacing Criteria (0/90/45): 2.13 / 0.47 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	93	90	95	91	88	91	88	86	89	86	84	82		
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	74		
4	92	83	76	71	90	82	76	71	80	74	70	77	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	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54		
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45		
9	66	55	48	43	65	54	47	43	53	47	43	52	47	43	51	46	42	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°	61673	61673	61673	61673	61673
5°	140535	114015	57690	23131	15784
10°	198033	156622	44594	5089	2343
15°	272903	186339	28492	1676	1409
20°	341259	209282	14864	1155	1155
25°	365193	216687	6879	893	1045
30°	405328	202346	3122	935	1094
35°	436637	161321	988	988	1325
40°	422506	99955	540	1237	1596
45°	331777	47153	585	1534	1924
50°	213166	5493	831	1902	2519
55°	32368	480	931	2372	3063
60°	551	551	1068	2721	3238
65°	652	652	1263	2893	3831
70°	806	806	1561	3172	4381
75°	532	1065	2063	3660	4724
80°	793	1587	2380	3868	5455
85°	0	1581	3162	4742	4742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 331777 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.2	4.2
10°-20°	141.7	15.1
20°-30°	248.9	26.5
30°-40°	282.6	30.0
40°-50°	183.0	19.4
50°-60°	35.9	3.8
60°-70°	4.4	0.5
70°-80°	3.6	0.4
80°-90°	1.7	0.2
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°	429.8	45.7
0°-40°	712.4	75.7
0°-60°	931.4	99.0
0°-90°	941.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	941.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	358	358	358	358	358	
5°	813	660	334	134	91	87
15°	1531	1045	160	9	8	441
25°	1922	1140	36	5	6	901
35°	2077	767	5	5	6	1277
45°	1362	194	2	6	8	1027
55°	108	2	3	8	10	206
65°	2	2	3	7	9	2
75°	1	2	3	6	7	1
85°	0	1	2	2	2	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	358.1	358.1	358.1	358.1	358.1	358.1	358.1	358.1	358.1	358.1	358.1
2.5°	581.6	580.0	582.4	566.6	565.8	554.0	550.9	537.5	519.4	510.7	490.3
5°	812.9	805.1	805.1	786.2	779.9	766.5	743.7	715.4	691.7	659.5	624.9
7.5°	991.6	990.0	990.0	973.5	957.7	938.8	908.2	875.9	838.1	788.5	738.2
10°	1132.4	1134.8	1127.7	1112.8	1089.9	1069.5	1033.3	993.9	947.5	895.6	828.7
12.5°	1310.3	1293.0	1287.5	1253.6	1224.5	1185.2	1141.9	1097.0	1039.6	974.3	898.7
15°	1530.6	1508.6	1486.6	1441.7	1392.9	1332.3	1264.7	1198.5	1124.6	1045.1	950.7
17.5°	1727.4	1727.4	1698.3	1627.4	1564.5	1474.8	1383.5	1295.3	1208.0	1103.3	985.3
20°	1862.0	1854.9	1832.8	1780.9	1709.3	1607.8	1488.9	1365.4	1259.9	1141.9	1005.0
22.5°	1906.0	1904.5	1905.2	1874.6	1817.1	1711.7	1566.1	1420.5	1288.3	1151.3	995.5
25°	1921.8	1924.9	1932.8	1921.0	1877.7	1772.2	1613.3	1446.4	1296.9	1140.3	959.3
27.5°	1987.1	1980.8	1989.4	1981.6	1932.8	1806.9	1622.7	1440.1	1278.0	1100.2	894.8
30°	2038.2	2036.7	2051.6	2044.5	1980.8	1828.9	1614.1	1416.5	1231.6	1017.5	793.3
32.5°	2067.4	2068.1	2072.1	2043.0	1948.5	1780.9	1571.6	1368.5	1144.2	909.7	661.1
35°	2076.8	2072.1	2050.0	1978.4	1849.4	1669.9	1466.9	1254.4	1025.4	767.3	522.5
37.5°	2035.9	2011.5	1954.8	1847.8	1698.3	1530.6	1333.1	1110.4	862.5	606.0	389.5
40°	1879.3	1847.0	1775.4	1666.0	1526.7	1364.6	1162.3	929.4	668.9	444.6	273.9
42.5°	1644.8	1628.2	1553.5	1458.2	1340.2	1176.5	968.0	731.9	495.0	306.9	174.7
45°	1362.2	1341.0	1293.8	1209.6	1116.7	945.1	750.8	524.1	337.6	193.6	86.6
47.5°	1021.5	1023.1	990.8	927.0	835.8	692.5	513.9	351.8	211.7	99.9	19.7
50°	795.6	784.6	739.0	673.6	567.4	461.2	332.1	221.9	111.7	20.5	1.6
52.5°	440.7	447.8	423.4	402.1	347.1	275.4	196.0	112.5	23.6	2.4	1.6
55°	107.8	114.1	109.4	111.7	115.7	103.1	79.5	22.0	2.4	1.6	1.6
57.5°	2.4	2.4	2.4	2.4	3.9	5.5	5.5	1.6	1.6	1.6	1.6
60°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
62.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
65°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
67.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	0.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6	1.6
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6	1.6
77.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6
82.5°	0.0	0.0	0.0	0.0	0.8	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	0.8	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	358.1	358.1	358.1	358.1	358.1	358.1	358.1	358.1
2.5°	480.0	465.1	437.6	355.7	285.7	230.6	197.5	194.4
5°	594.2	554.0	495.8	333.7	210.9	133.8	96.8	91.3
7.5°	684.7	628.0	538.3	297.5	144.0	68.5	37.8	31.5
10°	759.4	679.2	560.3	255.0	90.5	29.1	15.7	13.4
12.5°	810.6	713.8	564.3	207.8	51.9	14.2	10.2	9.4
15°	843.6	724.8	545.4	159.8	29.1	9.4	8.7	7.9
17.5°	857.0	715.4	509.2	115.7	15.7	7.1	7.1	7.1
20°	850.7	684.7	455.7	81.1	10.2	6.3	6.3	6.3
22.5°	820.8	631.9	388.8	54.3	7.1	5.5	5.5	5.5
25°	761.8	560.3	317.9	36.2	4.7	4.7	5.5	5.5
27.5°	673.6	472.2	243.2	24.4	3.9	4.7	5.5	5.5
30°	562.7	373.8	174.7	15.7	3.9	4.7	4.7	5.5
32.5°	447.0	272.3	114.9	9.4	3.1	4.7	5.5	6.3
35°	324.2	185.7	73.2	4.7	3.9	4.7	5.5	6.3
37.5°	227.4	121.2	42.5	3.1	3.9	4.7	6.3	6.3
40°	147.9	67.7	15.7	2.4	3.9	5.5	6.3	7.1
42.5°	77.1	23.6	3.1	2.4	3.9	5.5	7.1	7.9
45°	19.7	3.1	0.8	2.4	4.7	6.3	7.9	7.9
47.5°	2.4	0.8	0.8	3.1	4.7	7.1	7.9	8.7
50°	0.8	1.6	1.6	3.1	4.7	7.1	8.7	9.4
52.5°	1.6	1.6	1.6	3.1	5.5	7.1	9.4	10.2
55°	1.6	1.6	1.6	3.1	5.5	7.9	9.4	10.2
57.5°	1.6	1.6	1.6	3.1	5.5	7.9	9.4	9.4
60°	1.6	1.6	1.6	3.1	5.5	7.9	9.4	9.4
62.5°	1.6	1.6	2.4	3.1	5.5	7.1	9.4	9.4
65°	1.6	2.4	2.4	3.1	5.5	7.1	8.7	9.4
67.5°	1.6	1.6	2.4	3.1	5.5	7.1	8.7	9.4
70°	1.6	1.6	2.4	3.1	4.7	6.3	7.9	8.7
72.5°	1.6	1.6	2.4	3.1	4.7	6.3	7.1	7.9
75°	1.6	1.6	2.4	3.1	3.9	5.5	7.1	7.1
77.5°	1.6	1.6	2.4	2.4	3.9	4.7	6.3	6.3
80°	1.6	1.6	2.4	2.4	3.1	3.9	4.7	5.5
82.5°	1.6	1.6	1.6	2.4	2.4	3.1	3.9	3.9
85°	1.6	1.6	1.6	1.6	1.6	2.4	2.4	2.4
87.5°	0.8	1.6	1.6	1.6	1.6	1.6	1.6	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)