Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P1306132

Luminaire Tested: P3SQASS17R559024DE010 E3SQCA301MW

Issue Date: 1/29/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1306132
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-66)
Test Lab:	INNOVATION CENTER
Issue Date:	1/29/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	IRiS
Catalog Number:	P3SQASS17R559024DE010 E3SQCA301MW
Description:	3in Adjustable LED luminaire with, R55 optic, 2400K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1307.0 lumens
Efficiency:	N/A
Efficacy:	61.7 lumens/watt
Spacing Criteria (0/90/45):	1.79 / 0.55 / 1.22
Luminous Opening:	Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type:	Direct

Input Watts (W):	21.2
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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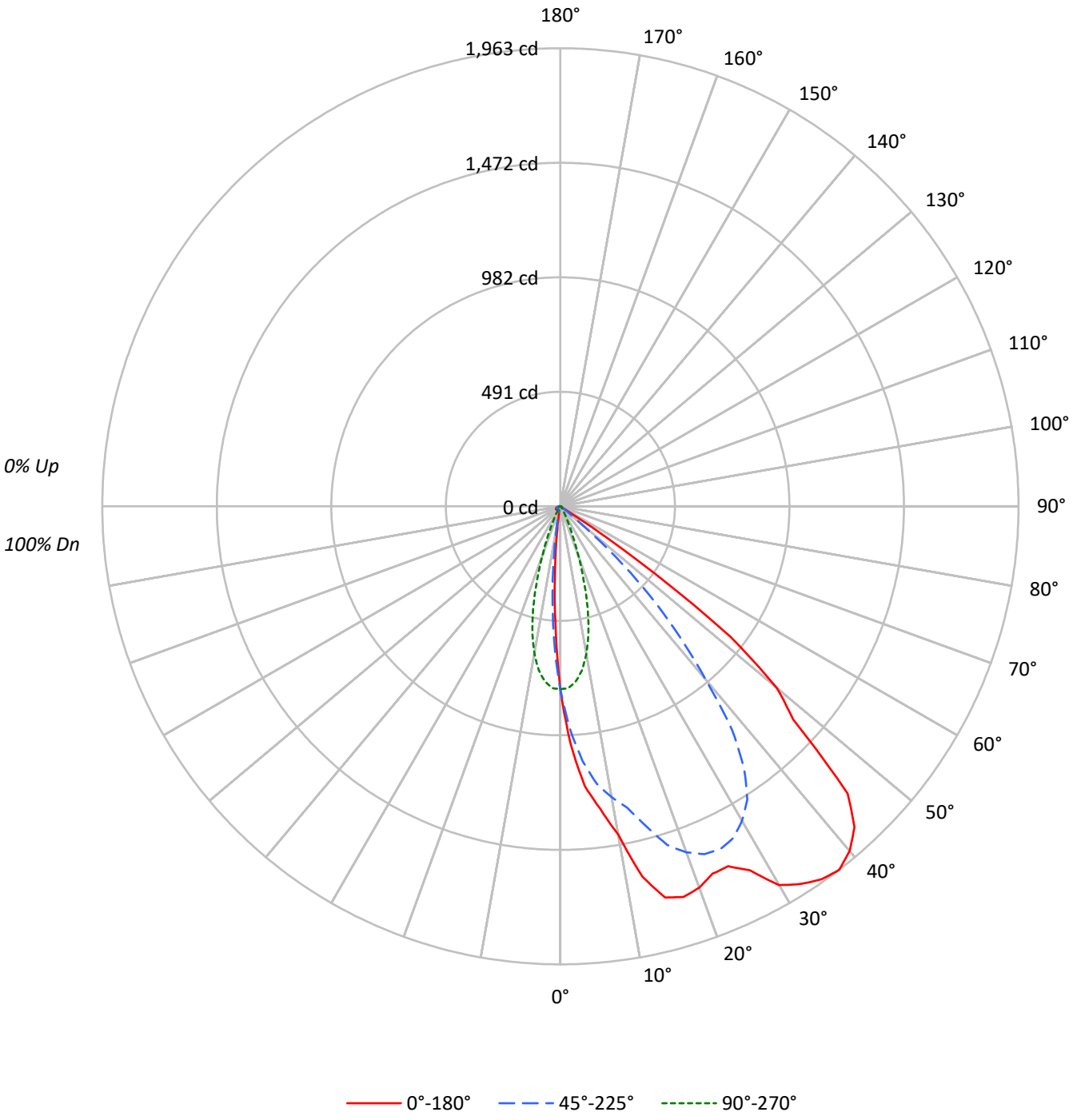
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	81
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	134919	134919	134919	134919	134919
5°	208044	189408	130335	66922	43964
10°	249973	221380	112185	16876	6750
15°	309507	252827	80163	4654	3637
20°	318771	289227	41402	3116	3116
25°	323387	308071	16608	2812	3230
30°	372754	309534	7219	2943	3381
35°	410314	288582	3112	3112	3826
40°	433409	217222	1776	3575	4092
45°	423891	132740	1656	3873	4969
50°	324277	28293	1822	4555	5787
55°	118963	1021	2042	5104	6486
60°	1171	1171	2342	5856	7440
65°	1386	1386	2771	6031	7865
70°	1158	1712	2870	6848	9165
75°	732	1530	2994	7586	10580
80°	1091	2281	3372	7835	11306
85°	0	2174	4545	8892	11263

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 423891 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.0	5.3
10°-20°	197.5	15.1
20°-30°	303.0	23.2
30°-40°	353.0	27.0
40°-50°	282.1	21.6
50°-60°	83.5	6.4
60°-70°	9.0	0.7
70°-80°	7.0	0.5
80°-90°	3.0	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°	569.4	43.6
0°-40°	922.5	70.6
0°-60°	1288.1	98.6
0°-90°	1307.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1307.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	783	783	783	783	783	
5°	1203	1096	754	387	254	120
15°	1736	1418	450	26	20	479
25°	1702	1621	87	15	17	808
35°	1952	1373	15	15	18	1216
45°	1740	545	7	16	20	1255
55°	396	3	7	17	22	420
65°	3	3	7	15	19	3
75°	1	2	4	11	16	2
85°	0	1	2	4	6	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°	783.4	783.4	783.4	783.4	783.4	783.4	783.4	783.4	783.4	783.4	783.4
2.5°	1021.8	1021.8	1018.4	1019.5	1017.2	1004.8	1002.5	986.6	973.0	958.2	945.7
5°	1203.4	1205.7	1202.3	1195.5	1186.4	1177.3	1158.0	1143.3	1124.0	1095.6	1069.5
7.5°	1306.8	1304.5	1298.8	1296.5	1290.9	1280.6	1267.0	1251.1	1228.4	1200.0	1169.4
10°	1429.4	1410.1	1404.4	1395.3	1377.1	1356.7	1332.9	1311.3	1292.0	1265.9	1233.0
12.5°	1626.9	1623.5	1600.8	1583.8	1558.8	1513.4	1472.5	1424.8	1368.1	1322.6	1279.5
15°	1735.9	1738.2	1728.0	1714.3	1698.4	1661.0	1620.1	1564.5	1497.5	1418.0	1347.6
17.5°	1755.2	1758.6	1752.9	1747.3	1742.7	1721.1	1696.2	1656.4	1595.1	1521.3	1416.9
20°	1739.3	1746.1	1747.3	1754.1	1763.2	1754.1	1733.6	1706.4	1655.3	1578.1	1478.2
22.5°	1704.1	1716.6	1725.7	1749.5	1773.4	1773.4	1760.9	1739.3	1689.4	1613.3	1511.1
25°	1701.8	1704.1	1707.5	1746.1	1783.6	1791.5	1780.2	1757.5	1703.0	1621.2	1510.0
27.5°	1758.6	1743.9	1721.1	1759.7	1804.0	1810.8	1794.9	1764.3	1699.6	1603.1	1471.4
30°	1874.4	1841.5	1793.8	1822.2	1852.8	1844.9	1813.1	1764.3	1676.9	1556.5	1398.7
32.5°	1918.7	1900.5	1883.5	1914.1	1919.8	1886.9	1830.1	1757.5	1640.5	1490.7	1279.5
35°	1951.6	1952.8	1945.9	1951.6	1924.4	1877.8	1815.4	1720.0	1572.4	1372.6	1121.7
37.5°	1963.0	1965.2	1950.5	1930.0	1889.2	1835.8	1760.9	1651.9	1458.9	1210.3	883.3
40°	1927.8	1921.0	1897.1	1868.7	1824.5	1770.0	1688.2	1525.9	1289.7	966.2	689.1
42.5°	1865.3	1854.0	1825.6	1791.5	1745.0	1675.7	1545.2	1348.8	1047.9	753.9	482.5
45°	1740.4	1732.5	1697.3	1672.3	1616.7	1527.0	1359.0	1111.5	810.6	545.0	279.3
47.5°	1352.2	1353.3	1380.5	1393.0	1373.7	1302.2	1104.7	844.7	591.5	324.7	94.2
50°	1210.3	1204.6	1177.3	1139.9	1077.4	970.7	810.6	597.2	349.7	105.6	13.6
52.5°	918.5	918.5	904.9	885.5	819.7	716.4	548.4	330.4	122.6	18.2	3.4
55°	396.2	375.8	387.1	408.7	391.7	340.6	256.6	98.8	21.6	3.4	3.4
57.5°	5.7	13.6	20.4	32.9	44.3	53.4	28.4	10.2	3.4	3.4	3.4
60°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
62.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
65°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
67.5°	2.3	2.3	2.3	3.4	2.3	3.4	3.4	3.4	3.4	3.4	3.4
70°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.4	3.4
72.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
75°	1.1	1.1	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
77.5°	1.1	1.1	1.1	1.1	1.1	1.1	2.3	2.3	2.3	2.3	2.3
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.3	2.3	2.3
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.3	2.3
85°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
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°	783.4	783.4	783.4	783.4	783.4	783.4	783.4	783.4
2.5°	927.6	908.3	876.5	780.0	680.1	588.1	522.2	497.3
5°	1040.0	1004.8	951.4	753.9	555.2	387.1	291.8	254.3
7.5°	1128.5	1083.1	1005.9	708.4	407.6	206.6	123.7	97.6
10°	1187.5	1137.6	1036.5	641.5	270.2	96.5	46.5	38.6
12.5°	1230.7	1168.2	1047.9	555.2	158.9	44.3	25.0	22.7
15°	1262.5	1181.9	1034.3	449.6	87.4	26.1	20.4	20.4
17.5°	1306.8	1188.7	1001.4	331.5	50.0	19.3	19.3	19.3
20°	1340.8	1188.7	938.9	225.9	30.7	17.0	17.0	17.0
22.5°	1357.8	1170.5	862.8	143.1	21.6	15.9	17.0	17.0
25°	1340.8	1126.2	765.2	87.4	17.0	14.8	15.9	17.0
27.5°	1278.4	1037.7	634.6	55.6	13.6	14.8	15.9	17.0
30°	1173.9	909.4	487.1	36.3	12.5	14.8	15.9	17.0
32.5°	1026.3	718.7	315.6	23.8	11.4	14.8	15.9	17.0
35°	801.5	508.6	190.7	14.8	11.4	14.8	17.0	18.2
37.5°	*600.6*	*339.5*	*103.3*	*9.1*	*11.4*	*14.8*	*17.0*	*18.2*
40°	416.7	197.5	44.3	7.9	11.4	15.9	18.2	18.2
42.5°	241.8	78.3	11.4	6.8	11.4	15.9	18.2	19.3
45°	88.6	15.9	3.4	6.8	12.5	15.9	18.2	20.4
47.5°	12.5	3.4	3.4	6.8	12.5	15.9	19.3	20.4
50°	3.4	3.4	3.4	6.8	12.5	17.0	20.4	21.6
52.5°	3.4	3.4	3.4	6.8	12.5	17.0	20.4	21.6
55°	3.4	3.4	3.4	6.8	12.5	17.0	20.4	21.6
57.5°	3.4	3.4	3.4	6.8	12.5	17.0	20.4	21.6
60°	3.4	3.4	3.4	6.8	11.4	17.0	20.4	21.6
62.5°	3.4	3.4	3.4	6.8	11.4	15.9	19.3	20.4
65°	3.4	3.4	3.4	6.8	10.2	14.8	19.3	19.3
67.5°	3.4	3.4	3.4	5.7	10.2	14.8	18.2	19.3
70°	3.4	3.4	3.4	5.7	9.1	13.6	17.0	18.2
72.5°	3.4	3.4	3.4	4.5	7.9	12.5	15.9	17.0
75°	2.3	3.4	3.4	4.5	7.9	11.4	14.8	15.9
77.5°	2.3	3.4	3.4	3.4	6.8	9.1	12.5	13.6
80°	2.3	2.3	3.4	3.4	5.7	7.9	10.2	11.4
82.5°	2.3	2.3	2.3	3.4	4.5	5.7	7.9	7.9
85°	2.3	2.3	2.3	2.3	3.4	4.5	5.7	5.7
87.5°	1.1	1.1	2.3	2.3	2.3	2.3	2.3	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)