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: P1311702

Luminaire Tested: P3SQAS20R709050D010 E3SQCA301MMS

Issue Date: 1/29/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1311702
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-57)
Test Lab:	INNOVATION CENTER
Issue Date:	1/29/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	IRiS
Catalog Number:	P3SQAS20R709050D010 E3SQCA301MMS
Description:	3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1397.0 lumens
Efficiency:	N/A
Efficacy:	48.5 lumens/watt
Spacing Criteria (0/90/45):	2.08 / 0.83 / 1.48
Luminous Opening:	Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type:	Direct

Input Watts (W):	28.8
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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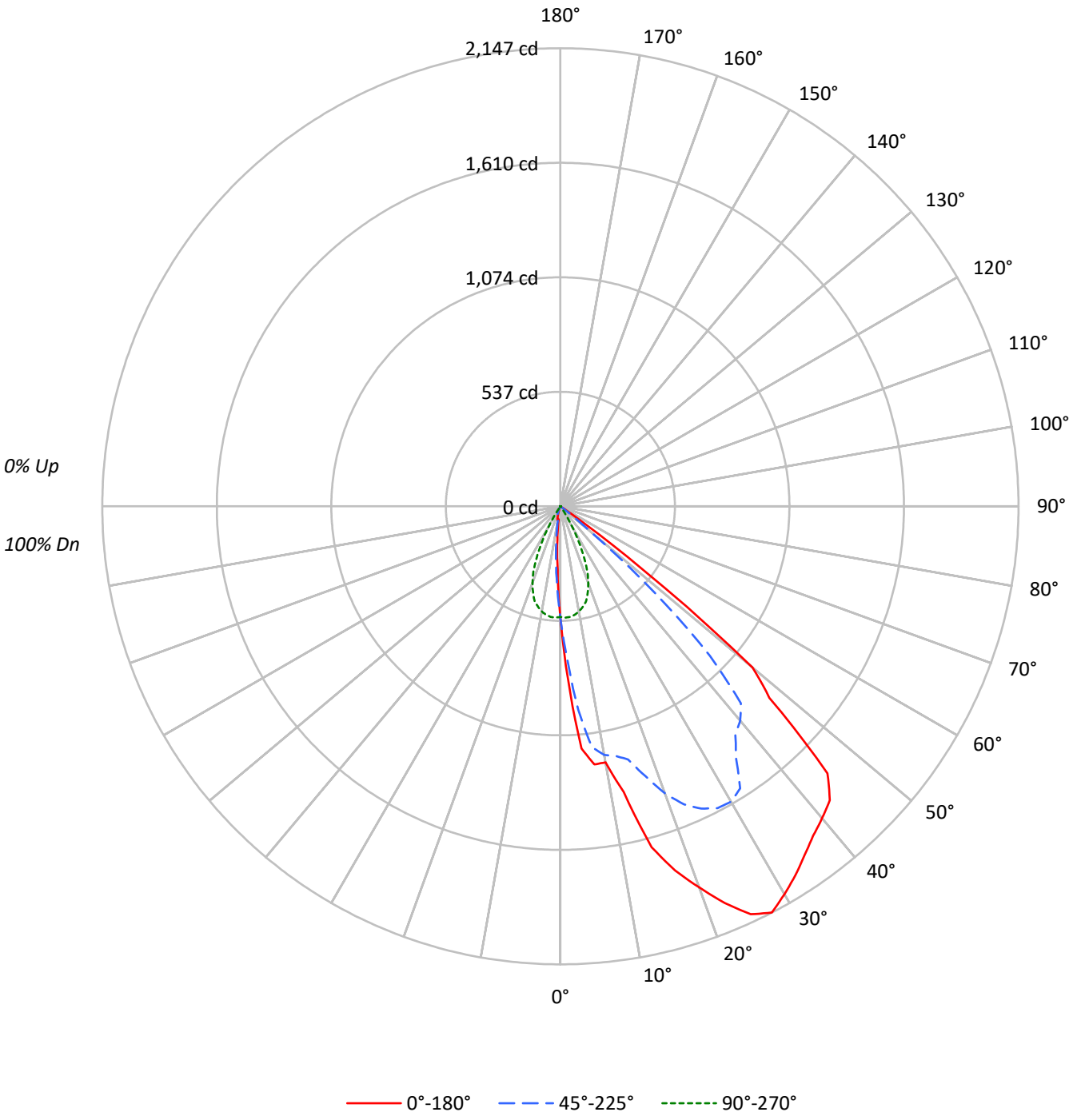
Luminous Intensity Polar Plot



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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	101	99	99	97	96	96	94	93	91
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	48
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	89297	89297	89297	89297	89297
5°	196997	165291	89967	40904	26917
10°	213056	206847	87562	11385	11717
15°	294905	218986	82605	11607	8433
20°	348297	262304	70085	6873	2529
25°	400842	297069	49445	1121	0
30°	417518	317946	22730	0	0
35°	419439	301323	1240	0	0
40°	429025	294740	0	0	0
45°	431174	241514	0	0	0
50°	314792	50183	0	0	0
55°	17745	0	0	0	0
60°	0	689	689	0	0
65°	0	0	815	0	0
70°	0	1007	1007	0	0
75°	0	1331	1331	0	0
80°	0	1984	1984	1984	0
85°	0	3952	3952	3952	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
Vertical Angle: 45°
Luminance: 439333 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.7	4.1
10°-20°	189.4	13.6
20°-30°	340.5	24.4
30°-40°	413.9	29.6
40°-50°	319.6	22.9
50°-60°	74.3	5.3
60°-70°	0.5	0.0
70°-80°	1.1	0.1
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°	586.6	42.0
0°-40°	1000.5	71.6
0°-60°	1394.4	99.8
0°-90°	1397.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1397.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	518	518	518	518	518	
5°	1140	956	520	237	156	107
15°	1654	1228	463	65	47	463
25°	2109	1563	260	6	0	960
35°	1995	1433	6	0	0	1253
45°	1770	992	0	0	0	1251
55°	59	0	0	0	0	243
65°	0	0	2	0	0	0
75°	0	2	2	0	0	0
85°	0	2	2	2	0	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°	*518.5*	518.5	518.5	518.5	518.5	518.5	518.5	518.5	518.5	518.5	518.5
2.5°	*808.3*	808.3	812.2	810.2	792.5	784.6	759.0	745.2	741.2	709.7	697.9
5°	*1139.5*	1141.4	1131.6	1129.6	1109.9	1096.1	1074.4	1040.9	1007.4	956.1	910.8
7.5°	*1220.3*	1218.3	1216.3	1216.3	1212.4	1204.5	1194.7	1184.8	1171.0	1139.5	1104.0
10°	*1218.3*	1218.3	1216.3	1216.3	1214.4	1216.3	1214.4	1208.5	1202.5	1182.8	1163.1
12.5°	*1372.1*	1360.3	1344.5	1320.8	1281.4	1251.8	1218.3	1208.5	1204.5	1198.6	1186.8
15°	*1654.0*	1644.1	1610.6	1569.2	1529.8	1462.8	1409.5	1336.6	1279.4	1228.2	1202.5
17.5°	*1790.0*	1795.9	1758.5	1732.9	1695.4	1642.2	1579.1	1504.2	1423.3	1326.7	1249.9
20°	*1900.4*	1906.3	1874.8	1849.2	1805.8	1750.6	1695.4	1614.6	1537.7	1431.2	1330.7
22.5°	*2012.8*	2016.7	1987.2	1949.7	1900.4	1843.2	1772.3	1689.5	1606.7	1512.1	1405.6
25°	*2109.4*	2105.4	2056.2	2002.9	1955.6	1894.5	1825.5	1744.7	1665.8	1563.3	1462.8
27.5°	*2146.8*	*2144.9*	*2089.7*	*2038.4*	*1983.2*	*1900.4*	*1839.3*	*1768.3*	*1685.5*	*1594.9*	*1492.3*
30°	*2099.5*	2131.1	2095.6	2058.1	1991.1	1908.3	1849.2	1764.4	1687.5	1598.8	1482.5
32.5°	*2050.2*	2089.7	2077.8	2060.1	1981.2	1916.2	1839.3	1760.5	1669.8	1567.3	1389.8
35°	*1995.0*	2036.4	2038.4	2018.7	1947.7	1882.7	1811.7	1728.9	1626.4	1433.2	1303.1
37.5°	*1945.8*	1985.2	1997.0	1955.6	1900.4	1813.7	1748.6	1661.9	1476.6	1346.5	1279.4
40°	*1908.3*	1937.9	1955.6	1890.6	1835.4	1750.6	1675.7	1523.9	1356.3	1311.0	1216.3
42.5°	*1868.9*	1896.5	1904.4	1833.4	1748.6	1667.8	1559.4	1368.1	1318.9	1251.8	997.5
45°	*1770.3*	1803.8	1784.1	1715.1	1652.0	1567.3	1405.6	1322.8	1269.6	991.6	613.1
47.5°	*1328.7*	1366.2	1419.4	1439.1	1460.8	1399.7	1311.0	1281.4	1042.9	601.3	191.2
50°	*1174.9*	1169.0	1169.0	1178.9	1196.6	1216.3	1242.0	1080.3	626.9	187.3	0.0
52.5°	*479.0*	502.7	619.0	723.5	843.8	964.0	1001.5	662.4	244.5	3.9	0.0
55°	*59.1*	59.1	82.8	141.9	234.6	378.5	425.8	212.9	17.7	0.0	0.0
57.5°	*0.0*	0.0	0.0	2.0	15.8	43.4	29.6	7.9	2.0	2.0	0.0
60°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
62.5°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
70°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
72.5°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
75°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
77.5°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
80°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
82.5°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
85°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
87.5°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
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°	518.5	518.5	518.5	518.5	518.5	518.5	518.5	518.5
2.5°	678.2	654.5	621.0	522.4	437.6	362.7	319.4	297.7
5°	867.4	810.2	733.4	520.4	354.9	236.6	177.4	155.7
7.5°	1048.8	983.7	853.6	512.6	272.1	138.0	76.9	61.1
10°	1127.6	1080.3	964.0	500.7	197.1	65.1	65.1	67.0
12.5°	1159.2	1123.7	1029.1	483.0	130.1	63.1	67.0	63.1
15°	1180.9	1147.3	1060.6	463.3	74.9	65.1	53.2	47.3
17.5°	1192.7	1153.3	1070.5	425.8	49.3	55.2	33.5	27.6
20°	1230.1	1167.1	1078.4	382.4	47.3	37.5	17.7	13.8
22.5°	1293.2	1194.7	1080.3	329.2	37.5	21.7	5.9	0.0
25°	1350.4	1232.1	1086.2	260.2	11.8	5.9	0.0	0.0
27.5°	*1378.0*	*1243.9*	*1084.3*	*183.3*	*0.0*	*0.0*	*0.0*	*0.0*
30°	1344.5	1214.4	1066.5	114.3	0.0	0.0	0.0	0.0
32.5°	1265.6	1192.7	1011.3	49.3	0.0	0.0	0.0	0.0
35°	1240.0	1145.4	885.2	5.9	0.0	0.0	0.0	0.0
37.5°	1182.8	1009.4	650.6	0.0	0.0	0.0	0.0	0.0
40°	1017.2	729.4	309.5	0.0	0.0	0.0	0.0	0.0
42.5°	672.2	311.5	17.7	0.0	0.0	0.0	0.0	0.0
45°	236.6	19.7	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	2.0	2.0	0.0	0.0	0.0	0.0
67.5°	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
70°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
72.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
75°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
77.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
80°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0
87.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)