

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: P1311556

Luminaire Tested: P3SQAS17R709050DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311556
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: P3SQAS17R709050DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

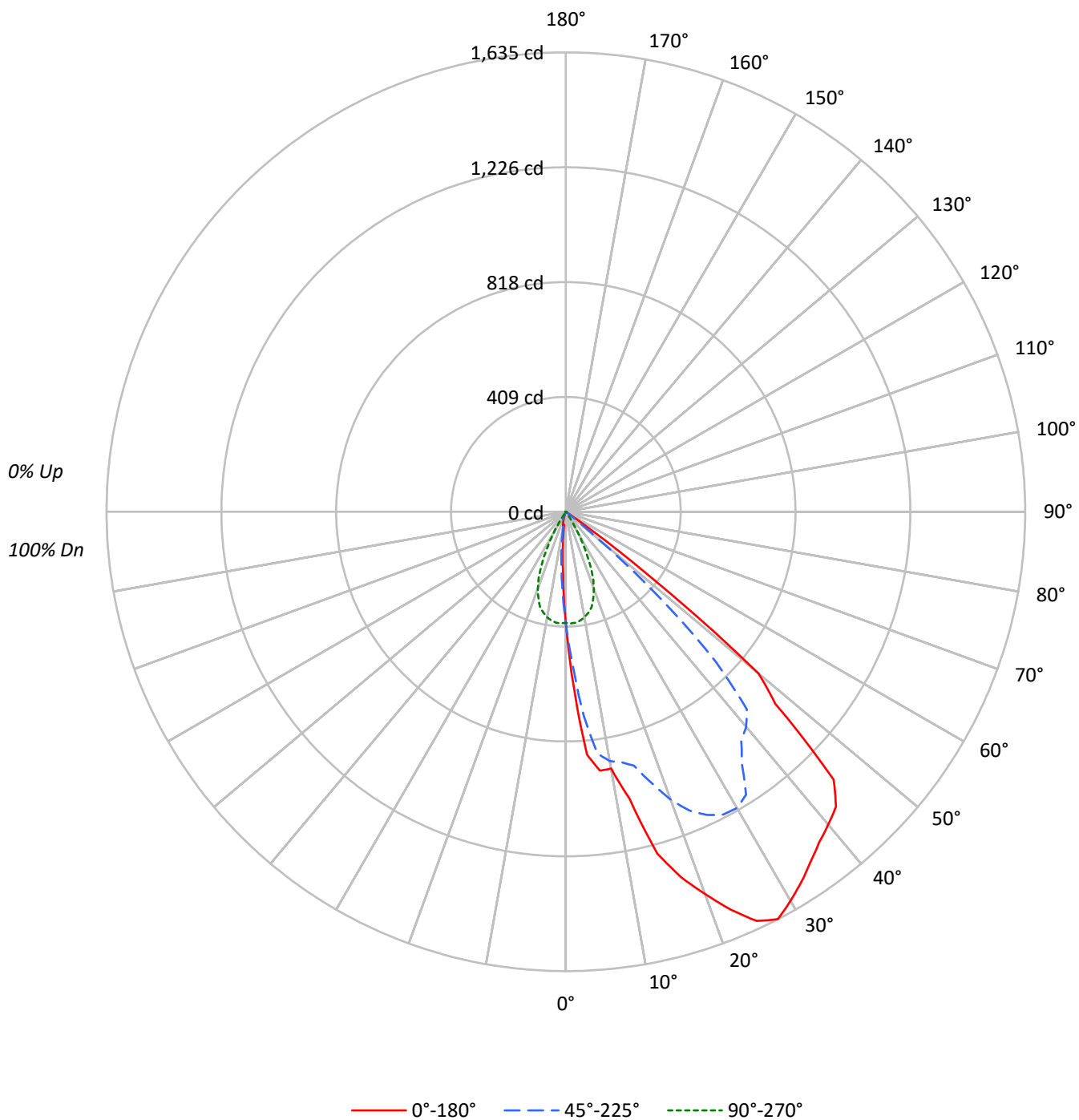
Lumens per Lamp: N/A
Luminaire Lumens: 1064.0 lumens
Efficiency: N/A
Efficacy: 50.2 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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
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	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°	68011	68011	68011	68011	68011
5°	150043	125892	68530	31153	20504
10°	162271	157549	66699	8657	8936
15°	224602	166780	62904	8826	6419
20°	265273	199789	53388	5223	1924
25°	305297	226265	37663	855	0
30°	318006	242159	17321	0	0
35°	319467	229503	946	0	0
40°	326754	224483	0	0	0
45°	328391	183936	0	0	0
50°	239771	38207	0	0	0
55°	13512	0	0	0	0
60°	0	517	517	0	0
65°	0	0	611	0	0
70°	0	755	755	0	0
75°	0	998	998	0	0
80°	0	1488	1488	1488	0
85°	0	2964	2964	2964	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 334602 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.2	4.1
10°-20°	144.3	13.6
20°-30°	259.3	24.4
30°-40°	315.2	29.6
40°-50°	243.4	22.9
50°-60°	56.6	5.3
60°-70°	0.4	0.0
70°-80°	0.8	0.1
80°-90°	0.8	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°	446.8	42.0
0°-40°	762.0	71.6
0°-60°	1062.0	99.8
0°-90°	1064.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1064.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	395	395	395	395	395	
5°	868	728	396	180	119	82
15°	1260	935	353	50	36	352
25°	1607	1191	198	4	0	731
35°	1520	1092	4	0	0	954
45°	1348	755	0	0	0	953
55°	45	0	0	0	0	185
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°	394.9	394.9	394.9	394.9	394.9	394.9	394.9	394.9	394.9	394.9	394.9
2.5°	615.6	615.6	618.6	617.1	603.6	597.6	578.1	567.6	564.6	540.5	531.5
5°	867.9	869.4	861.8	860.3	845.3	834.8	818.3	792.8	767.3	728.2	693.7
7.5°	929.4	927.9	926.4	926.4	923.4	917.4	909.9	902.4	891.9	867.9	840.8
10°	927.9	927.9	926.4	926.4	924.9	926.4	924.9	920.4	915.9	900.9	885.9
12.5°	1045.0	1036.0	1024.0	1006.0	976.0	953.4	927.9	920.4	917.4	912.9	903.9
15°	1259.7	1252.2	1226.7	1195.2	1165.1	1114.1	1073.6	1018.0	974.5	935.4	915.9
17.5°	1363.3	1367.8	1339.3	1319.8	1291.3	1250.7	1202.7	1145.6	1084.1	1010.5	951.9
20°	1447.4	1451.9	1427.9	1408.4	1375.4	1333.3	1291.3	1229.7	1171.1	1090.1	1013.5
22.5°	1533.0	1536.0	1513.5	1485.0	1447.4	1403.9	1349.8	1286.8	1223.7	1151.6	1070.6
25°	1606.6	1603.6	1566.0	1525.5	1489.5	1442.9	1390.4	1328.8	1268.7	1190.7	1114.1
27.5°	1635.1	1633.6	1591.6	1552.5	1510.5	1447.4	1400.9	1346.8	1283.8	1214.7	1136.6
30°	1599.1	1623.1	1596.1	1567.5	1516.5	1453.4	1408.4	1343.8	1285.3	1217.7	1129.1
32.5°	1561.5	1591.6	1582.6	1569.0	1509.0	1459.4	1400.9	1340.8	1271.7	1193.7	1058.5
35°	1519.5	1551.0	1552.5	1537.5	1483.5	1433.9	1379.9	1316.8	1238.7	1091.6	992.5
37.5°	1482.0	1512.0	1521.0	1489.5	1447.4	1381.4	1331.8	1265.7	1124.6	1025.5	974.5
40°	1453.4	1475.9	1489.5	1439.9	1397.9	1333.3	1276.3	1160.6	1033.0	998.5	926.4
42.5°	1423.4	1444.4	1450.4	1396.4	1331.8	1270.2	1187.7	1042.0	1004.5	953.4	759.7
45°	1348.3	1373.8	1358.8	1306.3	1258.2	1193.7	1070.6	1007.5	966.9	755.2	467.0
47.5°	1012.0	1040.5	1081.1	1096.1	1112.6	1066.0	998.5	976.0	794.3	457.9	145.6
50°	894.9	890.4	890.4	897.9	911.4	926.4	945.9	822.8	477.5	142.6	0.0
52.5°	364.9	382.9	471.5	551.0	642.6	734.2	762.7	504.5	186.2	3.0	0.0
55°	45.0	45.0	63.1	108.1	178.7	288.3	324.3	162.2	13.5	0.0	0.0
57.5°	0.0	0.0	0.0	1.5	12.0	33.0	22.5	6.0	1.5	1.5	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
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	1.5	1.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	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

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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	394.9	394.9	394.9	394.9	394.9	394.9	394.9	394.9
2.5°	516.5	498.5	473.0	397.9	333.3	276.3	243.2	226.7
5°	660.6	617.1	558.5	396.4	270.3	180.2	135.1	118.6
7.5°	798.8	749.2	650.1	390.4	207.2	105.1	58.6	46.5
10°	858.8	822.8	734.2	381.4	150.1	49.5	49.5	51.1
12.5°	882.9	855.8	783.8	367.9	99.1	48.0	51.1	48.0
15°	899.4	873.9	807.8	352.8	57.1	49.5	40.5	36.0
17.5°	908.4	878.4	815.3	324.3	37.5	42.0	25.5	21.0
20°	936.9	888.9	821.3	291.3	36.0	28.5	13.5	10.5
22.5°	985.0	909.9	822.8	250.7	28.5	16.5	4.5	0.0
25°	1028.5	938.4	827.3	198.2	9.0	4.5	0.0	0.0
27.5°	1049.5	947.4	825.8	139.6	0.0	0.0	0.0	0.0
30°	1024.0	924.9	812.3	87.1	0.0	0.0	0.0	0.0
32.5°	963.9	908.4	770.3	37.5	0.0	0.0	0.0	0.0
35°	944.4	872.4	674.2	4.5	0.0	0.0	0.0	0.0
37.5°	900.9	768.8	495.5	0.0	0.0	0.0	0.0	0.0
40°	774.8	555.5	235.7	0.0	0.0	0.0	0.0	0.0
42.5°	512.0	237.2	13.5	0.0	0.0	0.0	0.0	0.0
45°	180.2	15.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	3.0	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°	1.5	1.5	1.5	1.5	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	1.5	1.5	0.0	0.0	0.0	0.0
67.5°	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
70°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0
72.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0
75°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0
77.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0
80°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0
85°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0
87.5°	1.5	1.5	1.5	1.5	1.5	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)