

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: P1308244

Luminaire Tested: P3SQAS17R709030DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308244
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-70)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R709030DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

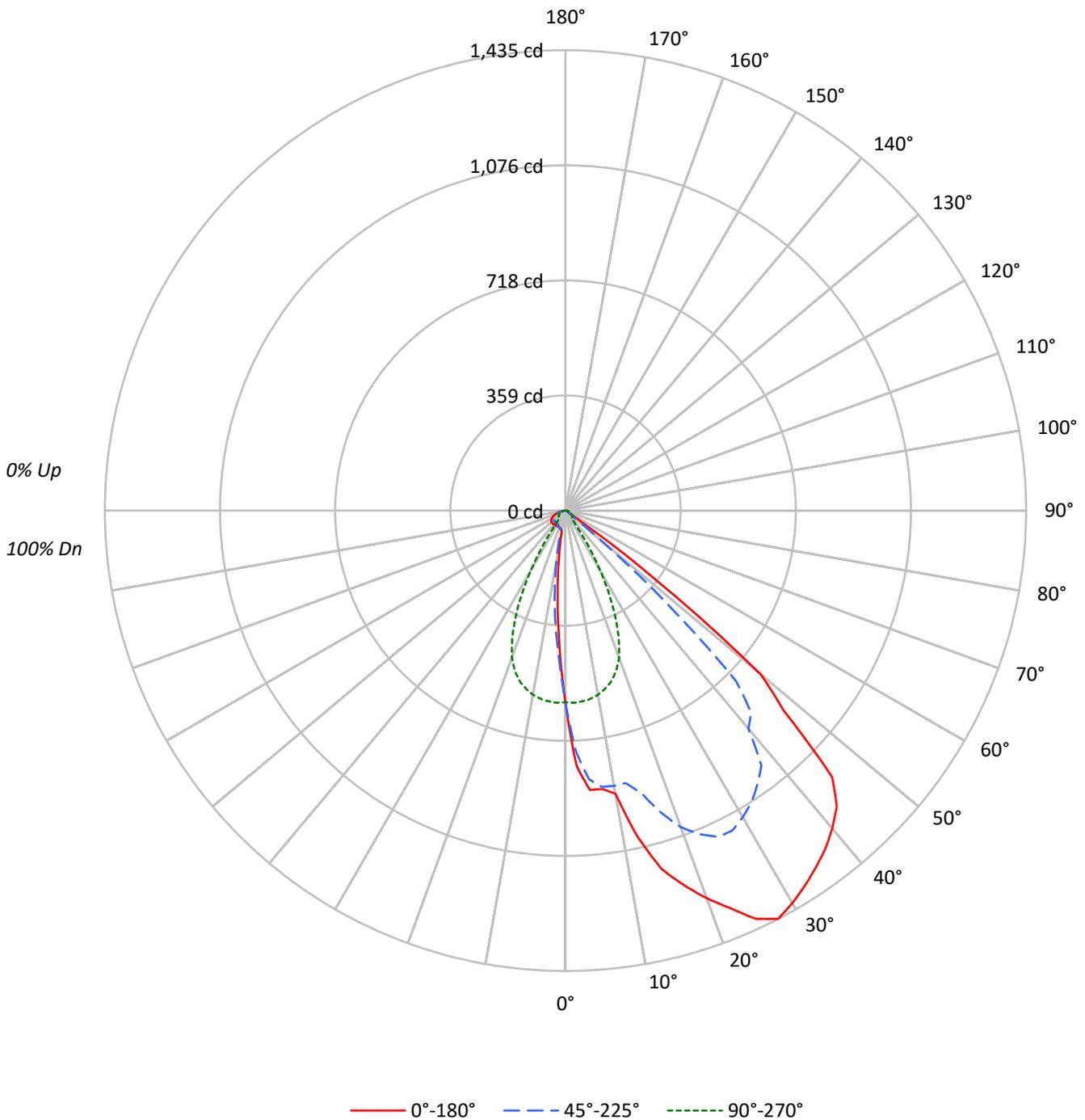
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1134.0 lumens
Efficiency: N/A
Efficacy: 53.5 lumens/watt
Spacing Criteria (0/90/45): 1.7 / 0.89 / 1.39
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			0	
RW	70	50	30	10	70	50	30	10	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	102	102	102	100
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	87	84	82	80
3	97	89	83	78	95	87	82	77	85	80	76	82	78	74	80	76	73	80	76	73	71
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	73	69	65	64
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	62	59	67	62	59	57
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	62	57	53	51
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	57	52	48	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	53	47	43	42
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	49	44	40	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	45	40	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	102817	102817	102817	102817	102817
5°	151046	145254	103210	61615	48268
10°	156622	152337	101937	29485	11927
15°	206255	162429	98189	10555	10323
20°	235601	192439	89383	10135	10373
25°	266759	213210	70177	9786	10261
30°	280957	219548	43492	9725	10997
35°	285681	219138	14339	10008	11627
40°	290738	199326	6947	10701	12725
45°	286134	183035	7209	11277	13785
50°	212710	33786	7234	12405	15165
55°	16995	4624	7717	13121	16214
60°	3548	4891	7543	13296	16843
65°	3668	4727	7335	13122	17319
70°	3223	4532	7150	12287	16869
75°	2595	4259	5989	11978	16236
80°	2579	3868	6347	11505	15274
85°	2569	5138	7707	10078	12647

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°
 Vertical Angle: 45°
 Luminance: 289568 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.3	4.8
10°-20°	152.8	13.5
20°-30°	256.5	22.6
30°-40°	308.5	27.2
40°-50°	244.6	21.6
50°-60°	78.2	6.9
60°-70°	21.9	1.9
70°-80°	13.0	1.1
80°-90°	4.1	0.4
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°	463.7	40.9
0°-40°	772.2	68.1
0°-60°	1095.0	96.6
0°-90°	1134.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1134.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	597	597	597	597	597	
5°	874	840	597	356	279	82
15°	1157	911	551	59	58	325
25°	1404	1122	369	52	54	642
35°	1359	1042	68	48	55	851
45°	1175	752	30	46	57	844
55°	57	15	26	44	54	177
65°	9	12	18	32	42	9
75°	4	6	9	18	24	5
85°	1	3	4	5	6	1
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°	597.0	597.0	597.0	597.0	597.0	597.0	597.0	597.0	597.0	597.0	597.0
2.5°	796.5	801.6	801.6	795.2	797.8	787.5	779.8	768.2	765.6	751.5	733.4
5°	873.7	871.1	871.1	866.0	868.5	864.7	860.8	858.3	850.5	840.2	829.9
7.5°	875.0	877.6	878.8	877.6	882.7	878.8	878.8	878.8	873.7	868.5	858.3
10°	895.6	891.7	887.8	878.8	873.7	869.8	869.8	871.1	873.7	871.1	864.7
12.5°	1043.5	1029.4	1023.0	1001.1	984.4	956.0	923.9	899.4	877.6	869.8	864.7
15°	1156.8	1154.2	1141.3	1120.7	1100.2	1066.7	1029.4	992.1	952.2	911.0	881.4
17.5°	1223.7	1218.5	1205.7	1183.8	1159.4	1128.5	1098.9	1070.6	1032.0	985.6	938.0
20°	1285.5	1273.9	1257.1	1231.4	1207.0	1177.4	1145.2	1118.2	1086.0	1050.0	994.6
22.5°	1340.8	1330.5	1303.5	1268.7	1244.3	1216.0	1187.7	1161.9	1132.3	1091.2	1041.0
25°	1403.8	1380.7	1336.9	1291.9	1262.3	1239.1	1218.5	1198.0	1167.1	1122.0	1062.8
27.5°	1434.7	1402.5	1354.9	1309.9	1281.6	1257.1	1235.3	1214.7	1179.9	1124.6	1056.4
30°	1412.8	1394.8	1361.4	1326.6	1303.5	1280.3	1254.6	1223.7	1168.4	1104.0	1041.0
32.5°	1387.1	1378.1	1362.7	1342.1	1327.9	1304.8	1268.7	1218.5	1141.3	1078.3	1010.1
35°	1358.8	1354.9	1349.8	1340.8	1331.8	1309.9	1264.9	1191.5	1114.3	1042.3	976.6
37.5°	1329.2	1325.3	1329.2	1327.9	1320.2	1291.9	1223.7	1155.5	1075.7	1002.4	875.0
40°	1293.2	1290.6	1297.0	1303.5	1294.5	1257.1	1183.8	1101.4	1030.7	886.6	842.8
42.5°	1250.7	1249.4	1261.0	1266.2	1253.3	1198.0	1111.7	1051.3	902.0	855.7	752.7
45°	1174.8	1177.4	1182.5	1188.9	1181.2	1120.7	1042.3	931.6	866.0	751.5	428.5
47.5°	920.0	922.6	948.3	1002.4	1039.7	1019.1	952.2	869.8	774.6	429.8	135.1
50°	793.9	791.3	792.6	805.5	835.1	863.4	842.8	797.8	461.9	126.1	16.7
52.5°	348.7	387.3	428.5	544.3	618.9	697.4	712.9	499.3	150.5	16.7	16.7
55°	56.6	59.2	74.6	109.4	196.9	297.2	360.3	167.3	15.4	15.4	15.4
57.5°	11.6	11.6	11.6	12.9	19.3	41.2	47.6	14.2	14.2	14.2	15.4
60°	10.3	10.3	10.3	10.3	11.6	11.6	11.6	12.9	12.9	14.2	14.2
62.5°	10.3	10.3	10.3	10.3	10.3	10.3	11.6	11.6	12.9	12.9	14.2
65°	9.0	9.0	9.0	9.0	10.3	10.3	10.3	10.3	11.6	11.6	12.9
67.5°	7.7	7.7	7.7	7.7	9.0	9.0	9.0	10.3	10.3	10.3	11.6
70°	6.4	6.4	6.4	6.4	7.7	7.7	7.7	7.7	9.0	9.0	9.0
72.5°	5.1	5.1	5.1	5.1	6.4	6.4	6.4	6.4	7.7	7.7	7.7
75°	3.9	3.9	5.1	5.1	5.1	5.1	5.1	5.1	6.4	6.4	6.4
77.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.1	5.1	5.1	5.1
80°	2.6	2.6	2.6	2.6	2.6	2.6	3.9	3.9	3.9	3.9	3.9
82.5°	1.3	1.3	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
85°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6	2.6	2.6
87.5°	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3
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°	597.0	597.0	597.0	597.0	597.0	597.0	597.0	597.0
2.5°	721.9	703.8	679.4	599.6	526.3	459.4	425.9	422.1
5°	813.2	796.5	755.3	597.0	456.8	356.4	295.9	279.2
7.5°	848.0	833.8	797.8	591.9	391.2	256.1	187.9	162.1
10°	857.0	848.0	817.1	582.9	323.0	168.6	88.8	68.2
12.5°	860.8	854.4	824.8	568.7	254.8	87.5	60.5	60.5
15°	867.3	860.8	832.5	550.7	187.9	59.2	57.9	57.9
17.5°	895.6	875.0	842.8	523.7	123.5	56.6	56.6	56.6
20°	941.9	896.9	848.0	487.7	77.2	55.3	55.3	56.6
22.5°	980.5	920.0	846.7	433.6	56.6	52.8	54.0	55.3
25°	997.2	930.3	835.1	369.3	48.9	51.5	54.0	54.0
27.5°	994.6	934.2	824.8	295.9	46.3	50.2	52.8	55.3
30°	980.5	923.9	801.6	218.7	43.7	48.9	52.8	55.3
32.5°	956.0	884.0	755.3	141.5	42.5	48.9	52.8	55.3
35°	876.3	819.7	688.4	68.2	41.2	47.6	54.0	55.3
37.5°	829.9	751.5	525.0	33.5	39.9	47.6	54.0	55.3
40°	755.3	561.0	236.8	30.9	39.9	47.6	54.0	56.6
42.5°	474.8	230.3	38.6	29.6	38.6	47.6	54.0	56.6
45°	173.7	30.9	20.6	29.6	38.6	46.3	54.0	56.6
47.5°	18.0	18.0	19.3	28.3	37.3	46.3	54.0	56.6
50°	16.7	18.0	19.3	27.0	36.0	46.3	52.8	56.6
52.5°	16.7	18.0	19.3	27.0	34.7	45.0	52.8	56.6
55°	16.7	18.0	18.0	25.7	33.5	43.7	51.5	54.0
57.5°	15.4	16.7	18.0	24.4	32.2	41.2	50.2	52.8
60°	15.4	16.7	18.0	21.9	30.9	38.6	47.6	48.9
62.5°	14.2	15.4	16.7	20.6	28.3	36.0	43.7	46.3
65°	14.2	14.2	15.4	18.0	25.7	32.2	39.9	42.5
67.5°	11.6	12.9	12.9	15.4	21.9	28.3	36.0	38.6
70°	10.3	10.3	11.6	14.2	19.3	24.4	30.9	33.5
72.5°	9.0	9.0	9.0	11.6	16.7	21.9	27.0	29.6
75°	7.7	7.7	7.7	9.0	14.2	18.0	23.2	24.4
77.5°	6.4	6.4	6.4	7.7	11.6	15.4	18.0	20.6
80°	5.1	5.1	5.1	6.4	9.0	11.6	14.2	15.4
82.5°	3.9	3.9	3.9	5.1	6.4	7.7	10.3	10.3
85°	2.6	2.6	2.6	3.9	3.9	5.1	6.4	6.4
87.5°	1.3	1.3	1.3	2.6	2.6	2.6	2.6	2.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)