

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: P1305403

Luminaire Tested: P3SQAS02R259024DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305403
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-49)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R259024DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

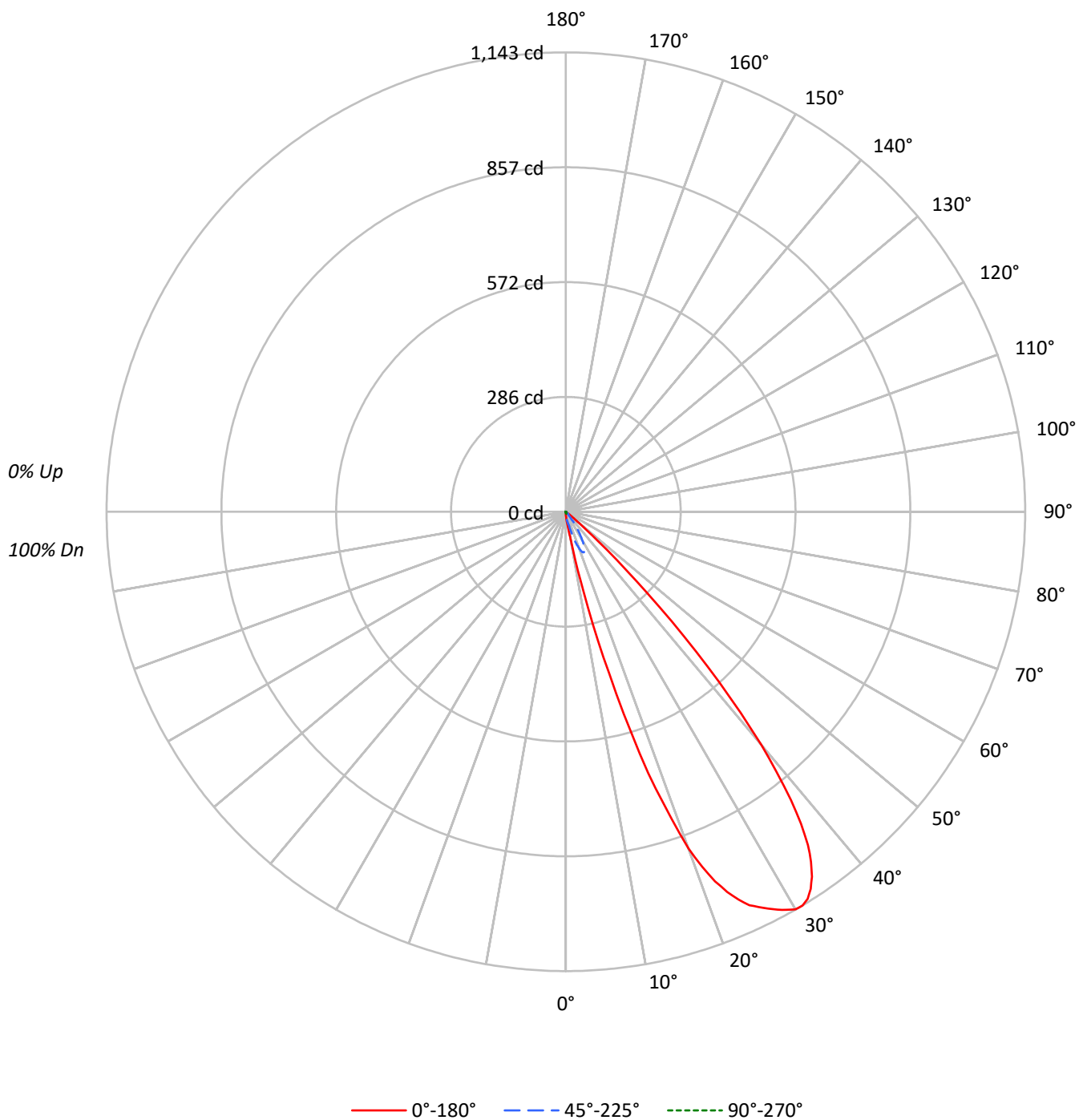
Lumens per Lamp: N/A
Luminaire Lumens: 224.0 lumens
Efficiency: N/A
Efficacy: 62.2 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96	95	93	92
2	106	100	95	92	103	98	94	90	95	92	88		92	89	87		89	87	85	83
3	99	92	86	81	97	90	85	80	87	83	79		85	81	78		83	79	77	75
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76	72	69	67
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70	66	62	61
6	81	70	63	58	79	69	63	58	68	62	57		66	61	57		65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	70	59	52	47	69	58	52	47	57	51	47		56	51	46		55	50	46	45
9	66	54	47	42	65	54	47	42	53	47	42		52	46	42		51	46	42	40
10	62	50	43	38	61	50	43	38	49	42	38		48	42	38		47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1223	1223	1223	1223	1223
5°	3821	2662	1106	588	449
10°	12049	4844	822	70	0
15°	74475	9218	499	0	0
20°	163298	17961	165	0	0
25°	205267	20675	0	0	0
30°	227244	16009	0	0	0
35°	223680	9062	0	0	0
40°	170032	2361	0	0	0
45°	68879	1047	0	0	0
50°	7636	107	0	0	0
55°	570	0	60	0	0
60°	0	0	69	0	0
65°	0	0	163	0	0
70°	0	101	201	0	0
75°	0	133	399	0	0
80°	0	198	595	0	0
85°	0	395	1186	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 68879 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.1	0.5
10°-20°	23.1	10.3
20°-30°	80.9	36.1
30°-40°	90.2	40.3
40°-50°	27.2	12.2
50°-60°	0.9	0.4
60°-70°	0.1	0.1
70°-80°	0.2	0.1
80°-90°	0.2	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°	105.1	46.9
0°-40°	195.3	87.2
0°-60°	223.5	99.8
0°-90°	224.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	224.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	7	7	7	7	7	
5°	22	15	6	3	3	3
15°	418	52	3	0	0	139
25°	1080	109	0	0	0	493
35°	1064	43	0	0	0	639
45°	283	4	0	0	0	244
55°	2	0	0	0	0	6
65°	0	0	0	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
2.5°	12.2	12.7	12.4	12.7	12.4	12.4	12.4	12.7	12.4	12.4	12.4
5°	22.1	22.3	22.3	22.1	22.1	22.5	22.1	22.3	21.7	22.1	21.9
7.5°	36.3	35.8	35.8	36.0	36.0	35.6	35.4	35.0	35.4	35.4	34.8
10°	68.9	68.4	67.4	66.9	67.4	67.4	65.2	65.7	65.9	63.9	63.3
12.5°	202.3	200.8	203.8	199.1	196.3	191.8	194.4	185.6	183.7	182.4	179.4
15°	417.7	429.1	424.2	424.6	425.4	414.7	418.4	405.1	393.9	390.5	388.1
17.5°	681.2	684.6	680.1	678.0	677.1	672.0	665.7	659.1	650.5	643.0	636.8
20°	891.0	888.4	880.7	881.6	872.4	867.6	862.3	855.6	849.0	838.0	827.5
21°	946.4	938.9	939.1	933.9	933.7	927.7	918.3	911.4	905.4	892.9	886.3
22°	991.9	990.1	986.3	982.4	978.3	975.3	964.8	961.4	949.2	938.9	929.4
23°	1027.3	1027.9	1024.5	1021.9	1016.3	1015.0	1001.5	996.8	988.4	972.8	963.1
24°	1056.6	1055.6	1051.7	1047.2	1044.0	1041.0	1030.7	1023.0	1013.7	1000.9	991.4
25°	1080.2	1077.7	1075.1	1071.7	1066.5	1063.1	1052.6	1044.0	1036.1	1021.7	1008.8
26°	1094.2	1094.8	1090.8	1088.2	1083.7	1080.2	1069.3	1059.2	1049.4	1033.9	1022.3
27°	1108.4	1107.7	1104.1	1100.2	1095.5	1094.2	1081.5	1071.0	1060.9	1044.6	1030.9
28°	1121.4	1119.7	1116.7	1112.2	1107.1	1103.2	1091.0	1080.0	1069.1	1051.7	1036.7
29°	1132.4	1130.7	1128.7	1122.9	1116.3	1113.7	1100.6	1087.3	1076.4	1058.6	1042.7
30°	1142.7	1139.5	1135.0	1130.0	1123.6	1118.7	1104.9	1093.3	1080.5	1060.7	1045.5
31°	1143.1	1138.8	1135.6	1130.5	1123.2	1117.1	1102.8	1091.0	1076.0	1057.5	1041.0
32°	1135.6	1133.5	1128.3	1122.7	1115.6	1109.6	1093.8	1081.3	1067.2	1047.4	1030.9
33°	1118.7	1116.5	1113.5	1107.7	1098.5	1092.9	1078.7	1065.0	1051.1	1033.3	1014.4
34°	1095.3	1092.7	1088.8	1083.0	1073.6	1067.8	1056.4	1042.3	1027.5	1009.0	991.4
35°	1063.9	1059.0	1057.9	1049.4	1040.6	1039.1	1025.5	1010.7	995.7	975.3	960.1
36°	1025.1	1019.3	1015.5	1012.5	1006.7	999.6	986.3	974.5	955.2	942.1	920.6
37°	972.1	965.0	968.7	960.5	951.5	948.5	931.6	920.8	904.5	886.7	868.5
38°	910.3	909.7	908.8	905.2	889.7	881.8	874.7	863.3	849.2	827.7	803.1
39°	832.2	833.5	829.0	829.4	821.7	813.8	803.9	791.0	773.9	754.3	734.4
40°	756.3	738.0	741.3	730.3	731.0	719.2	706.3	694.9	684.0	666.8	639.6
42.5°	523.3	520.5	510.8	504.0	507.0	491.7	474.8	458.9	443.7	424.4	400.6
45°	282.8	276.3	278.3	267.1	267.1	260.2	255.5	242.2	228.1	219.3	205.5
47.5°	105.1	106.4	108.8	104.3	99.1	102.1	97.6	97.6	95.3	92.5	88.6
50°	28.5	29.0	28.5	28.5	27.9	27.5	26.6	26.4	26.2	25.5	24.5
52.5°	11.6	10.9	10.9	11.2	11.2	10.7	10.9	10.9	10.7	10.5	10.5
55°	1.9	2.1	2.1	2.1	2.1	1.9	1.9	2.1	2.4	2.1	2.1
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	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	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
2.5°	12.0	10.5	8.8	7.3	5.8	4.9	4.5	4.7
5°	20.4	15.4	10.1	6.4	4.5	3.4	2.8	2.6
7.5°	31.3	21.2	11.4	5.6	3.4	1.7	1.1	0.9
10°	48.1	27.7	12.2	4.7	2.1	0.4	0.0	0.0
12.5°	123.4	33.9	12.4	3.9	0.9	0.0	0.0	0.0
15°	253.6	51.7	12.0	2.8	0.2	0.0	0.0	0.0
17.5°	421.6	79.2	10.5	1.9	0.0	0.0	0.0	0.0
20°	584.9	98.0	8.4	0.9	0.0	0.0	0.0	0.0
21°	634.0	103.6	7.5	0.6	0.0	0.0	0.0	0.0
22°	674.1	107.7	6.7	0.4	0.0	0.0	0.0	0.0
23°	707.6	109.8	5.8	0.2	0.0	0.0	0.0	0.0
24°	731.0	110.3	5.4	0.2	0.0	0.0	0.0	0.0
25°	742.1	108.8	4.7	0.0	0.0	0.0	0.0	0.0
26°	746.4	105.8	4.3	0.0	0.0	0.0	0.0	0.0
27°	743.2	101.9	3.9	0.0	0.0	0.0	0.0	0.0
28°	737.4	96.1	3.2	0.0	0.0	0.0	0.0	0.0
29°	726.0	88.4	2.8	0.0	0.0	0.0	0.0	0.0
30°	715.1	80.5	2.4	0.0	0.0	0.0	0.0	0.0
31°	702.6	73.4	1.9	0.0	0.0	0.0	0.0	0.0
32°	687.4	65.2	1.5	0.0	0.0	0.0	0.0	0.0
33°	662.1	57.7	1.1	0.0	0.0	0.0	0.0	0.0
34°	626.7	50.6	0.9	0.0	0.0	0.0	0.0	0.0
35°	579.3	43.1	0.6	0.0	0.0	0.0	0.0	0.0
36°	527.4	35.2	0.4	0.0	0.0	0.0	0.0	0.0
37°	463.9	25.5	0.4	0.0	0.0	0.0	0.0	0.0
38°	397.6	16.1	0.2	0.0	0.0	0.0	0.0	0.0
39°	329.8	12.2	0.2	0.0	0.0	0.0	0.0	0.0
40°	267.8	10.5	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	143.3	7.1	0.0	0.0	0.0	0.0	0.0	0.0
45°	84.5	4.3	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	47.2	1.7	0.0	0.0	0.0	0.0	0.0	0.0
50°	16.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	2.4	0.0	0.0	0.2	0.0	0.0	0.0	0.0
57.5°	0.2	0.0	0.2	0.2	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.2	0.4	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.4	0.4	0.2	0.0	0.0	0.0
67.5°	0.0	0.2	0.4	0.4	0.2	0.0	0.0	0.0
70°	0.0	0.2	0.4	0.4	0.2	0.0	0.0	0.0
72.5°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0
75°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0
77.5°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0
80°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0
85°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0
87.5°	0.0	0.2	0.4	0.6	0.2	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)