

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: P1317895

Luminaire Tested: P3SQAS09R509835DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317895
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-53)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R509835DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

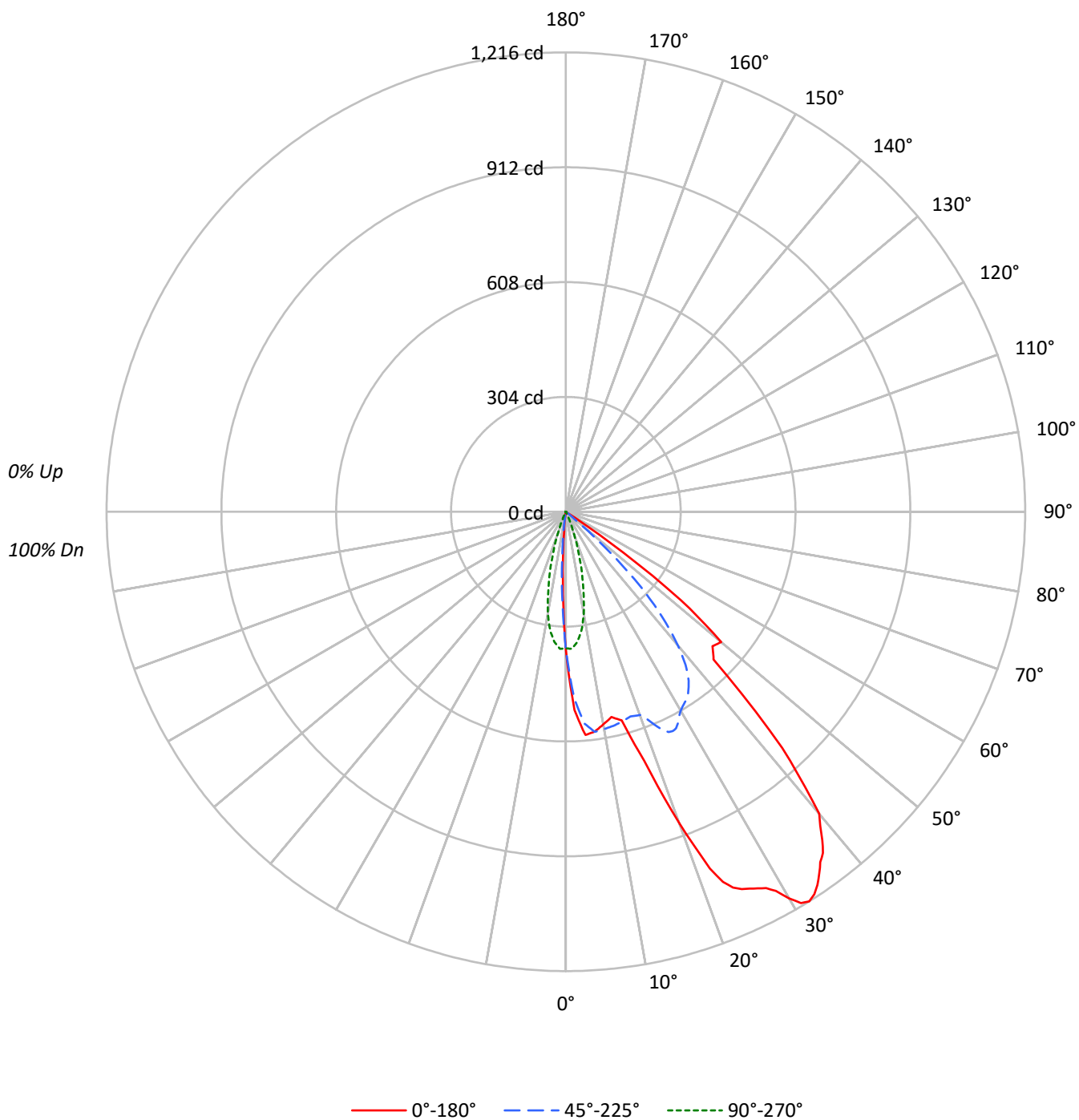
Lumens per Lamp: N/A
Luminaire Lumens: 582.0 lumens
Efficiency: N/A
Efficacy: 52.9 lumens/watt
Spacing Criteria (0/90/45): 1.8 / 0.48 / 1.24
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91			
2	105	99	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82			
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	74			
4	92	83	76	71	90	81	75	70	79	74	70	77	72	69	75	71	68	66			
5	86	76	68	63	84	75	68	63	73	67	62	71	66	62	69	65	61	59			
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54			
7	75	64	56	51	73	63	56	51	61	55	51	60	55	50	59	54	50	48			
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44			
9	66	54	47	42	64	54	47	42	53	46	42	52	46	42	51	45	42	40			
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	62241	62241	62241	62241	62241
5°	102535	97314	59799	17772	8886
10°	99926	102130	47917	892	1207
15°	101879	102504	28706	909	303
20°	160604	104944	11821	0	0
25°	209371	122263	2812	0	0
30°	234999	120910	119	0	0
35°	245924	119062	0	0	0
40°	234600	103440	0	0	0
45°	134737	68270	0	0	0
50°	143772	7797	0	0	0
55°	40956	0	0	0	0
60°	0	0	207	0	0
65°	0	245	245	0	0
70°	0	302	302	0	0
75°	0	399	399	0	0
80°	0	595	1091	595	0
85°	0	1186	2174	1186	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°

Vertical Angle: 45°

Luminance: 148766 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.4	5.2
10°-20°	76.5	13.1
20°-30°	146.9	25.2
30°-40°	170.9	29.4
40°-50°	122.3	21.0
50°-60°	34.1	5.9
60°-70°	0.2	0.0
70°-80°	0.4	0.1
80°-90°	0.4	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°	253.7	43.6
0°-40°	424.6	73.0
0°-60°	581.0	99.8
0°-90°	582.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	582.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	361	361	361	361	361	
5°	593	563	346	103	51	54
15°	571	575	161	5	2	184
25°	1102	643	15	0	0	501
35°	1170	566	0	0	0	724
45°	553	280	0	0	0	520
55°	136	0	0	0	0	172
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	361.4	361.4	361.4	361.4	361.4	361.4	361.4	361.4	361.4	361.4	361.4
2.5°	525.2	528.0	528.6	521.8	522.9	513.2	513.8	506.9	490.4	432.7	363.1
5°	593.1	591.4	593.1	590.8	593.1	587.4	584.0	581.1	562.9	481.2	345.9
7.5°	586.8	584.6	588.0	589.1	593.1	591.4	592.0	593.7	587.4	507.5	316.8
10°	571.4	570.9	572.6	572.6	577.1	577.7	580.0	583.4	584.0	516.6	274.0
12.5°	556.6	554.9	554.9	554.3	556.6	556.0	561.7	569.7	580.6	510.9	215.2
15°	571.4	569.7	567.4	561.2	556.6	551.4	552.0	557.2	574.9	496.1	161.0
17.5°	691.3	682.2	670.8	650.8	629.7	593.1	571.4	557.7	568.0	473.2	107.3
20°	876.3	872.3	854.0	821.5	787.2	733.6	666.8	613.1	572.6	444.7	64.5
21°	946.5	944.2	924.8	894.5	855.7	790.6	722.1	657.6	581.7	432.7	50.8
22°	1018.4	1009.8	994.4	960.8	920.2	855.1	778.7	707.3	600.0	417.3	38.8
23°	1064.7	1059.5	1043.0	1016.1	977.3	913.9	835.7	758.1	617.7	400.2	29.1
24°	1088.6	1086.9	1073.8	1054.9	1021.8	957.3	883.1	803.2	632.5	380.2	21.1
25°	1101.8	1096.0	1088.1	1074.4	1049.2	993.3	927.1	842.6	643.4	360.2	14.8
26°	1109.7	1106.3	1093.8	1081.8	1057.8	1012.1	955.6	866.6	646.2	335.7	10.3
27°	1118.9	1110.9	1098.9	1084.6	1057.8	1017.8	966.5	876.8	642.8	310.5	6.9
28°	1128.6	1122.9	1106.3	1088.1	1056.1	1017.8	962.5	863.1	632.5	286.6	4.0
29°	1147.4	1140.0	1119.5	1092.6	1056.7	1016.7	947.1	834.6	618.8	259.7	2.3
30°	1181.7	1166.3	1141.1	1103.5	1060.7	1014.4	921.4	791.8	608.0	229.5	0.6
31°	1208.5	1199.9	1170.8	1123.4	1072.1	1008.1	891.1	749.5	600.5	203.2	0.0
32°	1215.9	1209.6	1188.5	1144.0	1091.5	1003.0	856.9	708.4	594.8	174.1	0.0
33°	1207.4	1203.4	1181.1	1140.6	1096.6	996.1	817.5	667.9	588.6	147.9	0.0
34°	1191.4	1186.2	1166.8	1125.7	1083.5	966.5	779.8	637.1	579.4	123.3	0.0
35°	1169.7	1165.7	1145.7	1105.2	1059.5	920.2	742.1	616.5	566.3	98.8	0.0
36°	1146.3	1145.1	1119.5	1079.5	1028.7	875.7	696.4	601.1	553.2	78.2	0.0
37°	1130.9	1125.2	1097.2	1057.8	992.2	823.7	659.9	596.0	534.9	60.5	0.0
38°	1102.9	1104.0	1072.1	1036.1	955.0	778.7	630.2	592.0	514.3	44.0	0.0
39°	1069.8	1070.4	1037.2	1006.4	911.1	731.3	605.7	588.0	488.7	28.0	0.0
40°	1043.5	1043.0	1005.3	972.2	863.7	686.7	592.6	582.3	460.1	16.0	0.0
42.5°	848.3	851.7	856.3	870.0	752.4	608.5	580.0	550.3	379.0	0.0	0.0
45°	553.2	566.3	569.7	610.8	610.2	576.6	550.3	493.2	280.3	0.0	0.0
47.5°	526.3	530.3	537.7	553.7	562.3	545.7	492.1	412.2	153.0	0.0	0.0
50°	536.6	536.0	537.7	537.7	522.3	479.5	403.6	304.3	29.1	0.0	0.0
52.5°	385.3	399.6	415.0	421.9	401.9	356.8	294.6	178.7	0.0	0.0	0.0
55°	136.4	131.9	128.4	140.4	137.6	154.7	127.9	41.7	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.6	2.3	5.1	6.9	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	0.6	0.6
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	1.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	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):

	112.5°	135°	157.5°	180°
0°	361.4	361.4	361.4	361.4
2.5°	289.4	222.1	179.8	182.7
5°	203.2	102.8	63.4	51.4
7.5°	121.6	31.4	6.3	5.1
10°	57.1	5.1	5.7	6.9
12.5°	17.1	4.6	6.3	5.7
15°	4.6	5.1	2.9	1.7
17.5°	1.7	2.3	0.0	0.0
20°	1.1	0.0	0.0	0.0
21°	1.1	0.0	0.0	0.0
22°	0.6	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.6	0.0	0.0	0.0
67.5°	0.6	0.0	0.0	0.0
70°	0.6	0.0	0.0	0.0
72.5°	0.6	0.0	0.0	0.0
75°	0.6	0.0	0.0	0.0
77.5°	0.6	0.0	0.0	0.0
80°	0.6	0.6	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.6	0.6	0.0	0.0
85°	0.6	0.6	0.0	0.0
87.5°	0.6	0.6	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)