

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: P1308971

Luminaire Tested: P3SQAS09R359035DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308971
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R359035DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

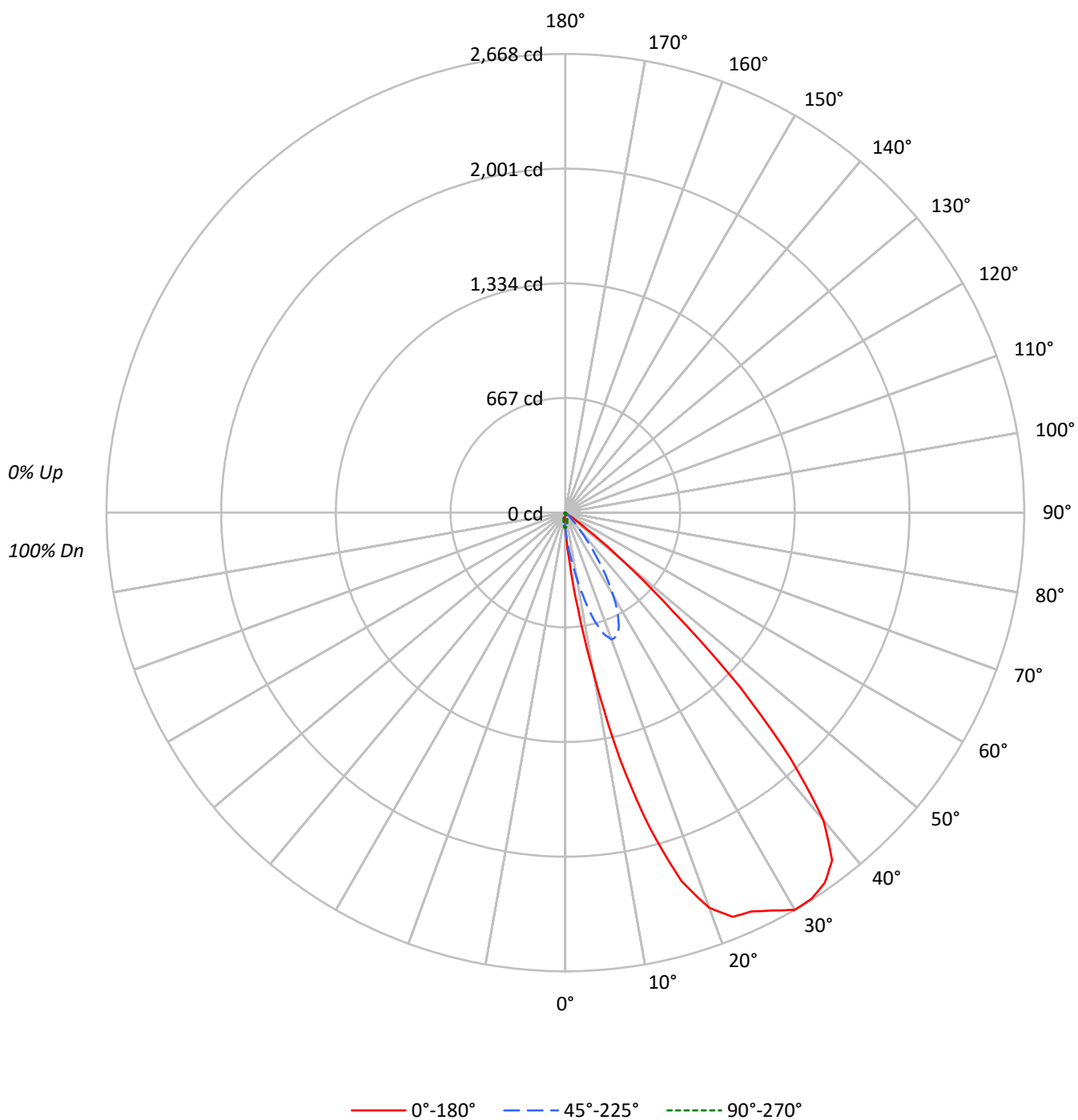
Lumens per Lamp: N/A
Luminaire Lumens: 839.1 lumens
Efficiency: N/A
Efficacy: 75.6 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83		
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74		
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67		
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	60		
6	81	70	63	58	79	69	62	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	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45		
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41		
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	15173	15173	15173	15173	15173
5°	51691	33591	14193	5982	4426
10°	166345	68098	11192	2238	1451
15°	338927	115484	7916	802	535
20°	448182	143835	5113	275	275
25°	486316	139822	2869	152	285
30°	530494	111424	1193	159	298
35°	552776	69360	315	168	315
40°	524552	30306	180	337	517
45°	350166	12105	195	560	926
50°	117434	2009	402	804	1206
55°	6546	240	450	1141	1591
60°	517	276	792	1309	1826
65°	611	326	937	1549	2160
70°	403	403	1158	1913	2266
75°	532	532	1530	1996	2529
80°	0	793	2281	2281	2281
85°	0	1581	4545	1581	2964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 350166 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.3	1.8
10°-20°	120.5	14.4
20°-30°	254.3	30.3
30°-40°	288.6	34.4
40°-50°	142.0	16.9
50°-60°	12.3	1.5
60°-70°	2.5	0.3
70°-80°	2.4	0.3
80°-90°	1.2	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°	390.1	46.5
0°-40°	678.7	80.9
0°-60°	833.1	99.3
0°-90°	839.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	839.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	88	88	88	88	88	
5°	299	194	82	35	26	49
15°	1901	648	44	4	3	540
25°	2559	736	15	1	2	1191
35°	2629	330	2	1	2	1620
45°	1438	50	1	2	4	1062
55°	22	1	2	4	5	86
65°	2	1	2	4	5	1
75°	1	1	2	3	4	1
85°	0	1	2	1	2	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
2.5°	152.9	156.7	155.1	154.4	153.6	150.6	143.8	143.1	136.3	131.8	109.2
5°	299.0	293.0	294.5	286.2	275.6	260.6	250.8	229.7	212.4	194.3	127.3
7.5°	563.3	555.1	539.2	515.1	490.3	457.9	409.0	369.8	324.6	281.7	141.6
10°	951.2	946.7	926.4	864.6	810.4	723.8	642.4	556.6	472.2	389.4	151.4
12.5°	1469.4	1438.5	1401.6	1319.5	1212.6	1104.1	943.7	795.3	660.5	521.9	152.1
15°	1900.9	1881.3	1829.4	1722.4	1593.6	1437.0	1246.4	1046.9	843.5	647.7	144.6
17.5°	2248.1	2218.0	2151.0	2046.3	1897.9	1694.6	1471.6	1228.4	980.6	737.3	131.8
20°	2445.4	2429.6	2378.4	2273.7	2111.8	1889.6	1635.8	1352.6	1066.4	784.8	115.2
22.5°	2544.9	2533.6	2495.9	2412.3	2260.9	2037.2	1746.5	1417.4	1091.3	779.5	97.9
25°	2559.2	2556.2	2523.8	2460.5	2334.0	2112.6	1794.7	1429.5	1071.0	735.8	81.3
27.5°	2608.9	2598.3	2559.9	2496.7	2369.4	2125.4	1778.2	1388.0	1005.4	659.0	67.8
30°	2667.6	2660.1	2621.7	2556.2	2405.5	2113.3	1719.4	1296.2	900.8	560.3	50.5
32.5°	2663.1	2660.1	2627.7	2558.4	2379.9	2042.5	1614.7	1158.3	758.4	442.1	31.6
35°	2629.2	2618.7	2578.0	2471.0	2233.8	1860.3	1415.9	971.5	600.3	329.9	20.3
37.5°	2547.9	2525.3	2456.7	2275.2	1972.5	1579.3	1153.1	750.1	424.8	220.7	12.8
40°	2333.2	2304.6	2166.8	1947.6	1630.5	1244.2	857.8	515.9	280.2	134.8	5.3
42.5°	1935.6	1877.6	1739.8	1514.6	1217.1	879.7	563.3	334.4	164.9	81.3	1.5
45°	1437.7	1393.3	1248.7	1044.6	797.6	564.1	341.2	180.8	91.1	49.7	0.8
47.5°	837.5	810.4	735.8	601.8	440.6	296.0	174.7	97.2	53.5	24.1	0.8
50°	438.3	404.4	348.0	263.6	194.3	136.3	85.1	52.0	26.4	7.5	0.8
52.5°	153.6	151.4	137.8	103.9	84.4	61.0	41.4	22.6	7.5	1.5	0.8
55°	21.8	21.8	20.3	22.6	24.1	21.8	14.3	6.0	1.5	0.8	0.8
57.5°	1.5	1.5	1.5	2.3	3.0	3.0	2.3	0.8	0.8	0.8	1.5
60°	1.5	1.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5
62.5°	1.5	1.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5
65°	1.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5
67.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3
77.5°	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	1.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	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):

	90°	112.5°	135°	157.5°	180°
0°	88.1	88.1	88.1	88.1	88.1
2.5°	87.4	70.0	55.7	49.0	46.7
5°	82.1	52.7	34.6	27.1	25.6
7.5°	73.1	37.7	21.1	15.1	14.3
10°	64.0	27.1	12.8	9.0	8.3
12.5°	53.5	18.8	8.3	5.3	4.5
15°	44.4	12.8	4.5	3.8	3.0
17.5°	35.4	8.3	3.0	2.3	3.0
20°	27.9	5.3	1.5	1.5	1.5
22.5°	21.1	3.0	1.5	1.5	1.5
25°	15.1	1.5	0.8	0.8	1.5
27.5°	10.5	0.8	0.8	0.8	1.5
30°	6.0	0.8	0.8	0.8	1.5
32.5°	3.0	0.8	0.8	1.5	1.5
35°	1.5	0.8	0.8	1.5	1.5
37.5°	0.8	0.8	0.8	1.5	2.3
40°	0.8	0.8	1.5	2.3	2.3
42.5°	0.8	0.8	1.5	2.3	3.0
45°	0.8	1.5	2.3	3.0	3.8
47.5°	1.5	1.5	3.0	3.8	4.5
50°	1.5	2.3	3.0	4.5	4.5
52.5°	1.5	2.3	3.8	4.5	5.3
55°	1.5	3.0	3.8	5.3	5.3
57.5°	2.3	3.0	3.8	5.3	5.3
60°	2.3	3.0	3.8	5.3	5.3
62.5°	2.3	3.0	3.8	5.3	5.3
65°	2.3	3.0	3.8	5.3	5.3
67.5°	2.3	3.0	3.8	4.5	5.3
70°	2.3	3.0	3.8	4.5	4.5
72.5°	3.0	3.0	3.8	4.5	4.5
75°	2.3	3.0	3.0	3.8	3.8
77.5°	2.3	2.3	2.3	3.0	3.0
80°	2.3	2.3	2.3	2.3	2.3
82.5°	2.3	1.5	1.5	2.3	2.3
85°	2.3	1.5	0.8	1.5	1.5
87.5°	1.5	1.5	0.8	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)