

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: P1314071

Luminaire Tested: P3SQAS05R359735DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314071
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: P3SQAS05R359735DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 97CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

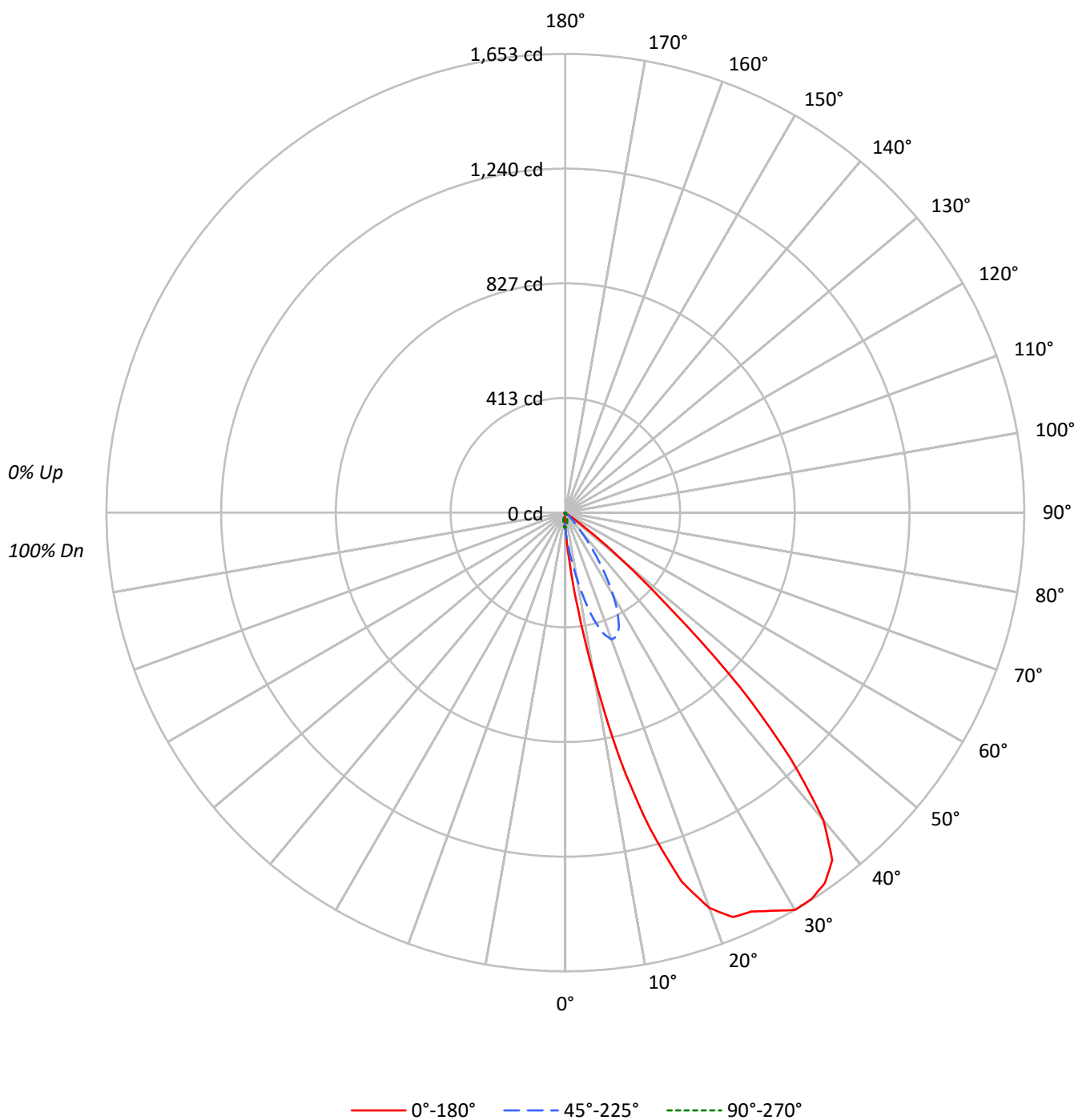
Lumens per Lamp: N/A
Luminaire Lumens: 520.0 lumens
Efficiency: N/A
Efficacy: 72.2 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	93	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	84	84	83
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	76	76	74
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	69	69	67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	62	62	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	56	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	51	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	46	46	45
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	42	42	41
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	9403	9403	9403	9403	9403
5°	32035	20815	8800	3717	2749
10°	103091	42198	6943	1382	892
15°	210071	71569	4903	499	339
20°	277772	89145	3171	165	165
25°	301401	86652	1767	95	171
30°	328804	69066	736	99	179
35°	342594	42995	189	105	189
40°	325113	18795	112	202	315
45°	217036	7502	122	341	560
50°	72797	1259	241	509	750
55°	4054	150	270	691	991
60°	310	172	482	792	1137
65°	367	204	571	937	1345
70°	252	252	705	1158	1410
75°	333	333	932	1264	1530
80°	0	496	1389	1389	1389
85°	0	988	2766	988	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 217036 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.5	1.8
10°-20°	74.7	14.4
20°-30°	157.6	30.3
30°-40°	178.9	34.4
40°-50°	88.0	16.9
50°-60°	7.6	1.5
60°-70°	1.6	0.3
70°-80°	1.5	0.3
80°-90°	0.7	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°	241.8	46.5
0°-40°	420.6	80.9
0°-60°	516.3	99.3
0°-90°	520.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	520.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	55	55	55	55	55	
5°	185	120	51	22	16	31
15°	1178	401	28	3	2	335
25°	1586	456	9	0	1	738
35°	1630	204	1	0	1	1004
45°	891	31	0	1	2	658
55°	14	0	1	2	3	53
65°	1	0	1	2	3	1
75°	0	0	1	2	2	0
85°	0	0	1	0	1	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°	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
2.5°	94.8	97.1	96.2	95.7	95.2	93.4	89.2	88.7	84.5	81.7	67.7
5°	185.3	181.6	182.5	177.4	170.8	161.5	155.4	142.4	131.6	120.4	78.9
7.5°	349.2	344.0	334.2	319.3	303.9	283.8	253.5	229.2	201.2	174.6	87.8
10°	589.5	586.7	574.1	535.9	502.3	448.6	398.2	345.0	292.7	241.3	93.8
12.5°	910.7	891.6	868.7	817.8	751.5	684.3	584.9	492.9	409.4	323.5	94.3
15°	1178.2	1166.0	1133.8	1067.5	987.7	890.6	772.5	648.8	522.8	401.4	89.6
17.5°	1393.4	1374.7	1333.1	1268.3	1176.3	1050.3	912.1	761.3	607.8	457.0	81.7
20°	1515.6	1505.8	1474.1	1409.2	1308.9	1171.2	1013.9	838.3	661.0	486.4	71.4
22.5°	1577.3	1570.3	1546.9	1495.1	1401.3	1262.7	1082.5	878.5	676.4	483.1	60.7
25°	1586.1	1584.3	1564.2	1525.0	1446.6	1309.3	1112.3	886.0	663.8	456.0	50.4
27.5°	1616.9	1610.4	1586.6	1547.4	1468.5	1317.3	1102.1	860.3	623.2	408.4	42.0
30°	1653.4	1648.7	1624.9	1584.3	1490.9	1309.8	1065.7	803.3	558.3	347.3	31.3
32.5°	1650.6	1648.7	1628.6	1585.7	1475.0	1265.9	1000.8	717.9	470.1	274.0	19.6
35°	1629.5	1623.0	1597.8	1531.5	1384.5	1153.0	877.6	602.2	372.0	204.5	12.6
37.5°	1579.1	1565.1	1522.7	1410.2	1222.5	978.8	714.6	464.9	263.3	136.8	7.9
40°	1446.1	1428.4	1342.9	1207.1	1010.6	771.1	531.7	319.7	173.6	83.6	3.3
42.5°	1199.6	1163.7	1078.3	938.7	754.3	545.2	349.2	207.3	102.2	50.4	0.9
45°	891.1	863.6	773.9	647.4	494.3	349.6	211.5	112.0	56.5	30.8	0.5
47.5°	519.1	502.3	456.0	373.0	273.1	183.4	108.3	60.2	33.1	14.9	0.5
50°	271.7	250.7	215.7	163.4	120.4	84.5	52.7	32.2	16.3	4.7	0.5
52.5°	95.2	93.8	85.4	64.4	52.3	37.8	25.7	14.0	4.7	0.9	0.5
55°	13.5	13.5	12.6	14.0	14.9	13.5	8.9	3.7	0.9	0.5	0.5
57.5°	0.9	0.9	0.9	1.4	1.9	1.9	1.4	0.5	0.5	0.5	0.9
60°	0.9	0.9	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9
62.5°	0.9	0.9	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9
65°	0.9	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.4
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.4
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.4
77.5°	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.9
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°	54.6	54.6	54.6	54.6	54.6
2.5°	54.1	43.4	34.5	30.3	28.9
5°	50.9	32.7	21.5	16.8	15.9
7.5°	45.3	23.3	13.1	9.3	8.9
10°	39.7	16.8	7.9	5.6	5.1
12.5°	33.1	11.7	5.1	3.3	2.8
15°	27.5	7.9	2.8	2.3	1.9
17.5°	21.9	5.1	1.9	1.4	1.9
20°	17.3	3.3	0.9	0.9	0.9
22.5°	13.1	1.9	0.9	0.9	0.9
25°	9.3	0.9	0.5	0.5	0.9
27.5°	6.5	0.5	0.5	0.5	0.9
30°	3.7	0.5	0.5	0.5	0.9
32.5°	1.9	0.5	0.5	0.9	0.9
35°	0.9	0.5	0.5	0.9	0.9
37.5°	0.5	0.5	0.5	0.9	1.4
40°	0.5	0.5	0.9	1.4	1.4
42.5°	0.5	0.5	0.9	1.4	1.9
45°	0.5	0.9	1.4	1.9	2.3
47.5°	0.9	0.9	1.9	2.3	2.8
50°	0.9	1.4	1.9	2.8	2.8
52.5°	0.9	1.4	2.3	2.8	3.3
55°	0.9	1.9	2.3	3.3	3.3
57.5°	1.4	1.9	2.3	3.3	3.3
60°	1.4	1.9	2.3	3.3	3.3
62.5°	1.4	1.9	2.3	3.3	3.3
65°	1.4	1.9	2.3	3.3	3.3
67.5°	1.4	1.9	2.3	2.8	3.3
70°	1.4	1.9	2.3	2.8	2.8
72.5°	1.9	1.9	2.3	2.8	2.8
75°	1.4	1.9	1.9	2.3	2.3
77.5°	1.4	1.4	1.4	1.9	1.9
80°	1.4	1.4	1.4	1.4	1.4
82.5°	1.4	0.9	0.9	1.4	1.4
85°	1.4	0.9	0.5	0.9	0.9
87.5°	0.9	0.9	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)