

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: P1308831

Luminaire Tested: P3SQAS05R409035DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308831
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R409035DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

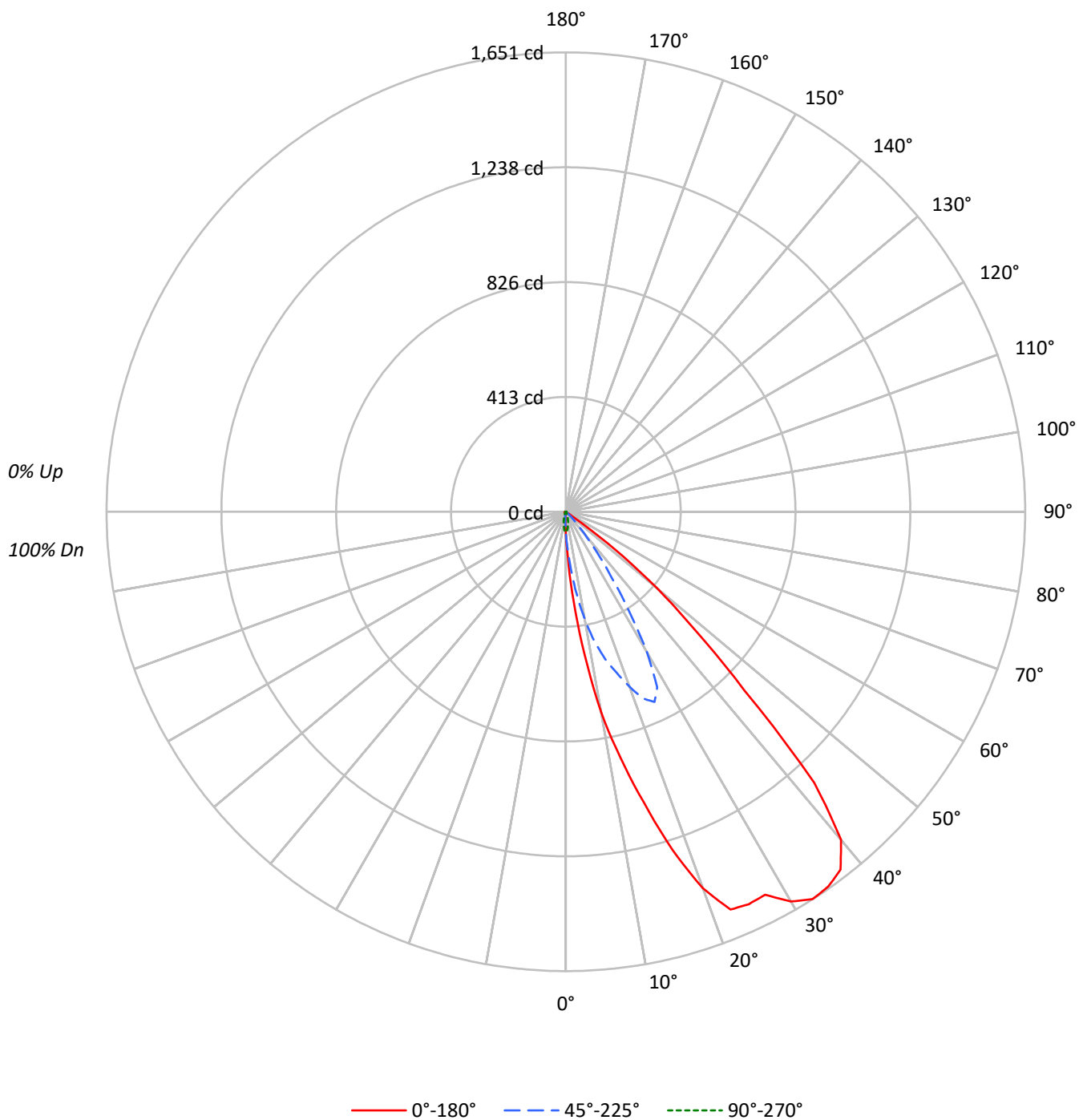
Lumens per Lamp: N/A
Luminaire Lumens: 608.9 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.41 / 1.24
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91	91
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74	74
4	92	83	77	71	90	82	76	71	80	74	70	78	73	69	76	72	68	67	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60	60
6	80	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54	54
7	75	64	57	52	74	63	56	52	62	56	51	61	55	51	59	54	51	49	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44	44
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	12417	12417	12417	12417	12417
5°	55979	35683	11116	4270	3112
10°	128362	68955	7835	1539	1172
15°	192633	97832	4868	820	731
20°	263752	122630	2822	477	568
25°	295681	143299	1463	399	494
30°	321605	115660	616	298	517
35°	345643	59184	210	442	652
40°	345774	23606	112	472	809
45°	220762	7891	244	755	1120
50°	114594	965	402	965	1366
55°	9879	150	450	1231	1711
60°	344	172	517	1412	1963
65°	408	204	856	1467	2078
70°	252	252	1057	1561	2065
75°	333	333	998	1730	2396
80°	496	496	1488	1488	2083
85°	0	988	2964	1976	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 220762 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.0	2.3
10°-20°	82.4	13.5
20°-30°	180.5	29.6
30°-40°	205.7	33.8
40°-50°	108.5	17.8
50°-60°	12.8	2.1
60°-70°	2.3	0.4
70°-80°	1.9	0.3
80°-90°	0.8	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°	277.0	45.5
0°-40°	482.6	79.3
0°-60°	603.9	99.2
0°-90°	608.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	608.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	72	72	72	72	72	
5°	324	206	64	25	18	44
15°	1080	549	27	5	4	318
25°	1556	754	8	2	3	717
35°	1644	282	1	2	3	1019
45°	906	32	1	3	5	731
55°	33	0	2	4	6	102
65°	1	0	2	4	5	1
75°	0	0	2	3	4	1
85°	0	0	2	1	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°	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
2.5°	160.6	160.6	160.1	155.4	154.9	154.4	146.2	144.1	134.3	127.6	97.3
5°	323.8	316.6	316.0	307.8	293.9	275.4	263.5	244.5	226.0	206.4	119.9
7.5°	515.7	521.9	504.9	496.2	465.3	443.2	409.2	379.3	337.7	298.5	138.5
10°	734.0	723.2	706.2	689.2	655.7	616.1	565.7	512.7	452.4	394.3	148.8
12.5°	904.4	890.5	880.2	857.0	824.1	773.1	712.9	641.9	562.1	478.2	148.2
15°	1080.4	1066.5	1043.3	1022.7	973.8	916.7	851.3	757.7	659.9	548.7	137.4
17.5°	1273.9	1255.9	1230.2	1198.8	1151.4	1088.1	1005.2	891.0	752.5	606.3	117.9
20°	1439.1	1428.3	1402.6	1365.5	1319.2	1257.5	1161.7	1035.1	866.3	669.1	93.7
22.5°	1547.2	1537.5	1520.0	1487.5	1452.5	1386.6	1299.1	1160.2	961.5	726.3	71.0
25°	1556.0	1551.9	1547.2	1536.4	1515.3	1468.5	1383.0	1233.3	1020.7	754.1	52.5
27.5°	1551.4	1549.8	1548.8	1543.1	1529.2	1482.9	1395.4	1244.1	1013.0	710.8	38.6
30°	1617.2	1612.6	1610.0	1591.5	1555.0	1483.4	1369.1	1185.9	900.2	581.6	27.8
32.5°	1650.7	1649.7	1647.1	1629.1	1577.6	1484.4	1324.9	1045.4	713.9	420.0	19.0
35°	1644.0	1638.9	1629.6	1596.1	1524.6	1407.7	1181.8	834.9	515.2	281.5	12.4
37.5°	1621.4	1609.5	1591.5	1531.3	1436.1	1276.5	958.4	614.6	350.5	182.2	7.2
40°	1538.0	1522.0	1493.7	1420.1	1295.0	1052.1	708.8	415.4	230.1	105.0	2.1
42.5°	1322.3	1301.7	1281.1	1198.8	1055.7	784.4	466.3	256.8	131.3	57.6	0.5
45°	906.4	880.7	852.4	792.7	677.9	475.1	277.4	144.6	67.9	32.4	0.5
47.5°	629.5	617.7	568.2	492.1	377.3	251.7	143.6	71.0	36.0	14.9	0.5
50°	427.7	414.3	356.7	283.1	200.7	120.4	65.9	35.5	16.0	3.6	0.5
52.5°	224.4	207.9	171.4	130.7	81.3	50.4	28.8	15.4	4.6	0.5	0.5
55°	32.9	30.4	24.7	20.1	18.0	13.9	8.2	3.6	0.5	0.5	1.0
57.5°	1.0	1.0	1.0	1.0	1.5	1.5	1.0	0.5	0.5	0.5	1.0
60°	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	1.0
62.5°	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	1.0
65°	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	1.0
67.5°	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	1.0	1.5
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.5
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.5
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.0
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):

	90°	112.5°	135°	157.5°	180°
0°	72.1	72.1	72.1	72.1	72.1
2.5°	71.0	52.5	40.7	35.0	34.5
5°	64.3	37.6	24.7	19.0	18.0
7.5°	54.6	26.3	14.4	10.3	9.8
10°	44.8	18.0	8.8	7.2	6.7
12.5°	35.5	11.8	6.2	5.7	5.1
15°	27.3	7.7	4.6	4.1	4.1
17.5°	20.6	5.1	3.6	3.6	3.6
20°	15.4	3.6	2.6	3.1	3.1
22.5°	10.8	2.6	2.1	2.6	2.6
25°	7.7	2.1	2.1	2.6	2.6
27.5°	5.1	1.5	1.5	2.1	2.6
30°	3.1	1.0	1.5	2.1	2.6
32.5°	1.5	1.0	1.5	2.6	2.6
35°	1.0	1.5	2.1	2.6	3.1
37.5°	0.5	1.5	2.1	3.1	3.1
40°	0.5	1.5	2.1	3.1	3.6
42.5°	1.0	2.1	2.6	3.6	4.1
45°	1.0	2.1	3.1	4.1	4.6
47.5°	1.0	2.1	3.6	4.6	4.6
50°	1.5	2.6	3.6	4.6	5.1
52.5°	1.5	2.6	3.6	5.1	5.7
55°	1.5	2.6	4.1	5.1	5.7
57.5°	1.5	3.1	4.1	5.1	5.7
60°	1.5	2.6	4.1	5.1	5.7
62.5°	2.1	2.6	3.6	5.1	5.1
65°	2.1	2.6	3.6	5.1	5.1
67.5°	2.1	2.6	3.6	4.6	4.6
70°	2.1	2.6	3.1	4.1	4.1
72.5°	2.1	2.6	3.1	3.6	4.1
75°	1.5	2.1	2.6	3.1	3.6
77.5°	1.5	2.1	2.1	3.1	3.1
80°	1.5	1.5	1.5	2.1	2.1
82.5°	1.5	1.5	1.0	1.5	1.5
85°	1.5	1.0	1.0	1.0	1.0
87.5°	1.0	1.0	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)