

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: P1310024

Luminaire Tested: P3SQAS09R159040DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310024
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-59)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R159040DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

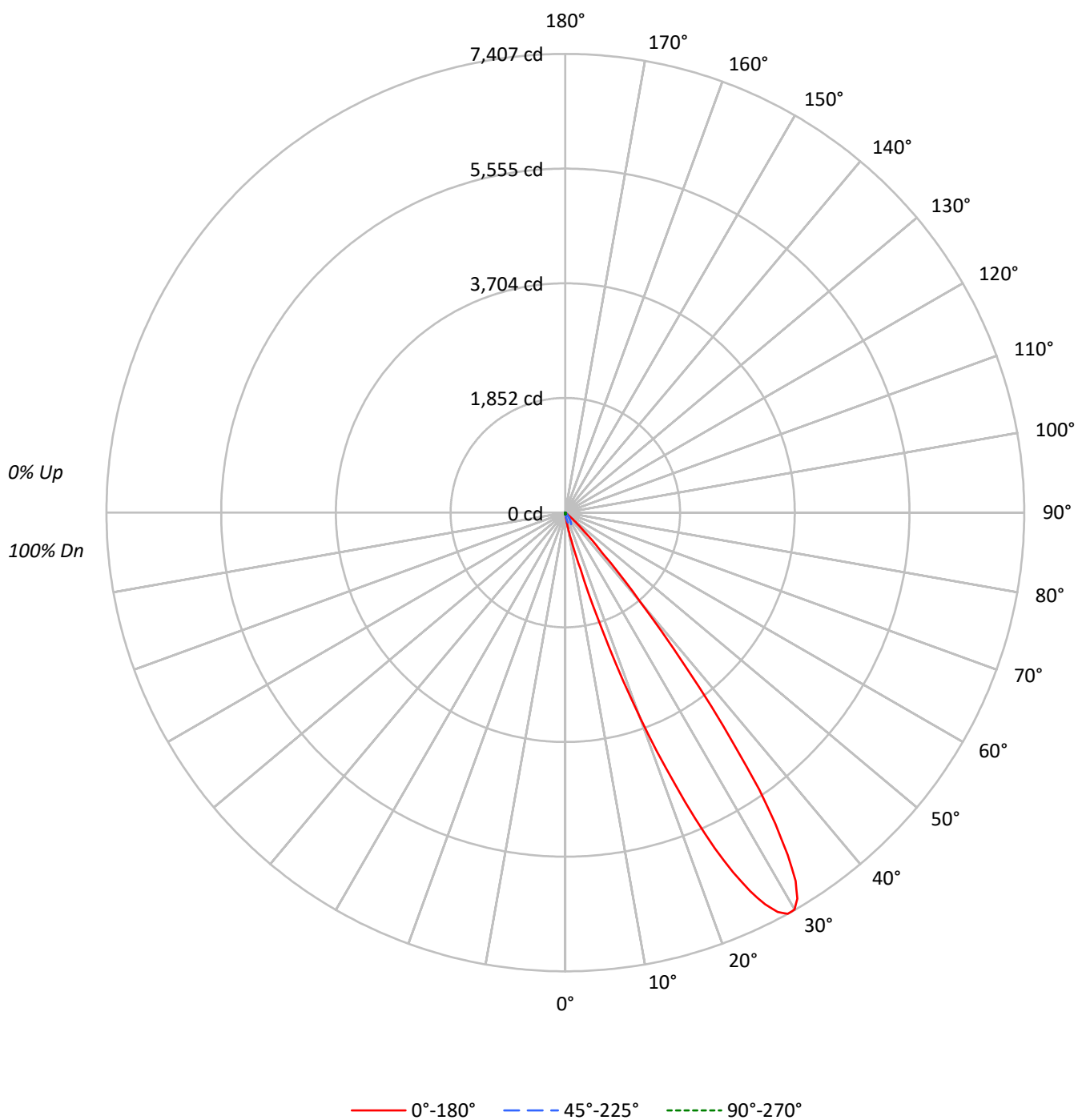
Lumens per Lamp: N/A
Luminaire Lumens: 809.0 lumens
Efficiency: N/A
Efficacy: 72.9 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	93	93	92
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	77	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	70	70	68
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63	63	63	61
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	57	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	47	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	42	42	41
10	62	51	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°	4616	4616	4616	4616	4616
5°	9923	7347	4357	2317	1902
10°	44035	13903	3445	962	682
15°	166548	32129	2389	428	285
20°	640530	45287	1448	147	147
25°	1218014	42471	741	0	0
30°	1471387	34265	318	0	0
35°	1147580	23337	168	0	0
40°	418774	11511	180	0	180
45°	107532	3459	195	0	390
50°	18139	429	214	214	643
55°	2372	0	480	721	1171
60°	276	276	827	1068	1619
65°	326	326	1263	1589	1915
70°	403	403	1561	1561	1964
75°	532	532	2063	1597	2063
80°	0	793	2380	1587	2380
85°	0	1581	4742	1581	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 107532 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.7	0.5
10°-20°	62.0	7.7
20°-30°	343.8	42.5
30°-40°	332.2	41.1
40°-50°	57.8	7.1
50°-60°	4.2	0.5
60°-70°	2.4	0.3
70°-80°	2.0	0.2
80°-90°	1.0	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°	409.5	50.6
0°-40°	741.7	91.7
0°-60°	803.6	99.3
0°-90°	809.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	809.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	27	27	27	27	27	
5°	57	42	25	13	11	11
15°	934	180	13	2	2	416
25°	6410	224	4	0	0	2866
35°	5458	111	1	0	0	3139
45°	442	14	1	0	2	474
55°	8	0	2	2	4	15
65°	1	1	3	4	5	1
75°	1	1	3	2	3	1
85°	0	1	2	1	1	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
2.5°	39.3	37.8	38.6	38.6	38.6	38.6	38.6	37.0	37.0	37.8	33.8
5°	57.4	57.4	56.7	57.4	57.4	56.7	55.1	54.3	54.3	52.7	42.5
7.5°	114.9	113.3	113.3	111.7	103.9	101.5	99.9	96.0	88.9	87.4	55.1
10°	251.8	252.6	247.1	240.0	239.2	227.4	223.5	216.4	203.0	189.7	79.5
12.5°	457.2	447.0	433.6	434.4	411.6	403.7	385.6	365.9	345.5	324.2	130.6
15°	934.1	905.0	922.3	879.8	831.8	777.5	722.4	653.2	594.1	531.2	180.2
17.5°	1967.4	1995.7	1947.7	1765.9	1654.2	1522.8	1337.8	1159.2	1006.5	883.7	220.3
20°	3494.9	3536.6	3373.7	3215.5	2944.0	2648.1	2339.6	1990.2	1655.8	1366.2	247.1
21°	4133.1	4107.9	4041.0	3787.6	3474.4	3131.3	2753.6	2367.9	1962.7	1586.5	249.5
22°	4750.1	4761.9	4606.0	4340.8	4015.0	3634.9	3173.8	2697.7	2260.9	1765.9	245.5
23°	5364.7	5402.4	5196.3	4947.6	4537.6	4108.7	3575.1	3061.2	2521.4	1971.3	237.7
24°	5933.6	5907.7	5768.4	5455.2	5016.8	4514.8	3960.7	3337.5	2735.5	2146.8	231.4
25°	6409.7	6406.6	6187.8	5883.3	5382.0	4825.6	4214.9	3563.3	2918.8	2265.6	223.5
26°	6799.3	6735.5	6563.2	6191.8	5696.8	5109.7	4423.5	3727.8	3021.9	2325.4	215.6
27°	7099.9	7054.3	6822.9	6436.5	5919.5	5270.2	4557.2	3809.6	3069.1	2345.1	205.4
28°	7302.1	7252.6	7006.2	6608.0	6042.2	5371.0	4628.1	3844.3	3069.1	2326.2	196.0
29°	7406.8	7339.1	7093.6	6667.1	6070.6	5382.8	4610.8	3810.4	3021.1	2268.0	184.9
30°	7398.9	7314.7	7057.4	6613.6	5986.4	5286.0	4514.0	3688.5	2912.5	2181.4	172.3
31°	7271.5	7177.0	6889.8	6432.6	5812.4	5103.4	4331.4	3524.8	2763.8	2068.9	159.8
32°	7012.5	6892.9	6612.8	6157.1	5544.9	4830.3	4066.2	3272.2	2541.1	1904.4	146.4
33°	6590.7	6470.3	6169.7	5742.4	5182.9	4484.1	3714.4	3000.7	2287.7	1708.5	135.4
34°	6062.7	5952.5	5693.6	5263.1	4726.4	4045.7	3309.9	2625.3	2024.8	1514.1	123.6
35°	5458.3	5282.8	5048.3	4707.6	4184.2	3499.6	2873.2	2275.9	1754.1	1310.3	111.0
36°	4640.7	4672.1	4423.5	4006.4	3572.8	3036.1	2434.8	1897.3	1466.9	1116.7	99.9
37°	3915.9	3866.3	3708.1	3385.5	3007.7	2475.0	2040.6	1608.5	1233.9	944.3	88.1
38°	3158.8	3169.8	3014.8	2766.9	2392.3	2035.1	1642.4	1321.3	1032.5	803.5	77.1
39°	2472.6	2464.0	2422.2	2192.5	1853.3	1618.8	1330.7	1095.4	860.1	677.6	65.3
40°	1862.7	1876.9	1779.3	1640.8	1443.3	1250.5	1060.0	873.5	711.4	571.3	51.2
42.5°	905.8	927.8	863.3	827.9	740.5	665.0	561.1	458.0	389.5	336.8	22.8
45°	441.5	428.9	423.4	406.1	385.6	344.7	305.3	262.1	229.0	197.5	14.2
47.5°	225.9	219.6	219.6	212.5	205.4	192.0	172.3	158.2	142.4	122.8	5.5
50°	67.7	66.9	66.1	66.9	64.5	66.9	68.5	69.3	63.0	62.2	1.6
52.5°	26.8	27.5	26.8	29.1	29.1	28.3	29.1	28.3	27.5	24.4	0.0
55°	7.9	7.9	7.9	7.9	7.9	7.9	8.7	9.4	8.7	9.4	0.0
57.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0
60°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8
62.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
65°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
67.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
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):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	26.8	26.8	26.8	26.8	26.8	26.8
2.5°	31.5	27.5	22.8	18.9	17.3	16.5
5°	33.8	25.2	17.3	13.4	11.8	11.0
7.5°	36.2	22.8	13.4	9.4	7.1	6.3
10°	37.8	19.7	10.2	5.5	3.9	3.9
12.5°	37.8	15.7	7.1	3.1	2.4	2.4
15°	37.0	13.4	4.7	2.4	1.6	1.6
17.5°	36.2	10.2	3.1	1.6	0.8	1.6
20°	33.8	7.9	1.6	0.8	0.8	0.8
21°	33.1	7.1	1.6	0.8	0.8	0.8
22°	31.5	6.3	0.8	0.0	0.8	0.8
23°	29.9	4.7	0.8	0.0	0.0	0.0
24°	27.5	3.9	0.8	0.0	0.0	0.0
25°	26.0	3.9	0.8	0.0	0.0	0.0
26°	24.4	2.4	0.0	0.0	0.0	0.0
27°	22.0	1.6	0.0	0.0	0.0	0.0
28°	20.5	1.6	0.0	0.0	0.0	0.0
29°	18.1	1.6	0.0	0.0	0.0	0.0
30°	15.7	1.6	0.0	0.0	0.0	0.0
31°	12.6	0.8	0.0	0.0	0.0	0.0
32°	10.2	0.8	0.0	0.0	0.0	0.0
33°	7.1	0.8	0.0	0.0	0.0	0.0
34°	4.7	0.8	0.0	0.0	0.0	0.0
35°	3.9	0.8	0.0	0.0	0.0	0.0
36°	2.4	0.8	0.0	0.0	0.0	0.8
37°	2.4	0.8	0.0	0.0	0.0	0.8
38°	1.6	0.8	0.0	0.0	0.0	0.8
39°	0.8	0.8	0.0	0.0	0.0	0.8
40°	0.8	0.8	0.0	0.0	0.0	0.8
42.5°	0.0	0.8	0.0	0.0	0.8	1.6
45°	0.0	0.8	0.0	0.0	0.8	1.6
47.5°	0.0	0.8	0.0	0.0	1.6	1.6
50°	0.0	0.8	0.8	0.8	1.6	2.4
52.5°	0.0	1.6	0.8	1.6	2.4	3.1
55°	0.8	1.6	1.6	2.4	3.1	3.9
57.5°	0.8	2.4	2.4	3.1	3.9	3.9
60°	1.6	2.4	3.1	3.1	4.7	4.7
62.5°	1.6	3.1	3.1	3.1	4.7	4.7
65°	1.6	3.1	3.1	3.9	4.7	4.7
67.5°	1.6	3.1	3.1	3.1	3.9	4.7
70°	1.6	3.1	2.4	3.1	3.9	3.9
72.5°	1.6	3.1	2.4	2.4	3.1	3.9
75°	1.6	3.1	2.4	2.4	3.1	3.1
77.5°	1.6	2.4	2.4	1.6	2.4	2.4
80°	1.6	2.4	1.6	1.6	2.4	2.4

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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	1.6	2.4	1.6	0.8	1.6	1.6
85°	1.6	2.4	1.6	0.8	0.8	0.8
87.5°	1.6	2.4	0.8	0.0	0.0	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)