

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: P1310524

Luminaire Tested: P3SQAS20R259040D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310524
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-49)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R259040D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

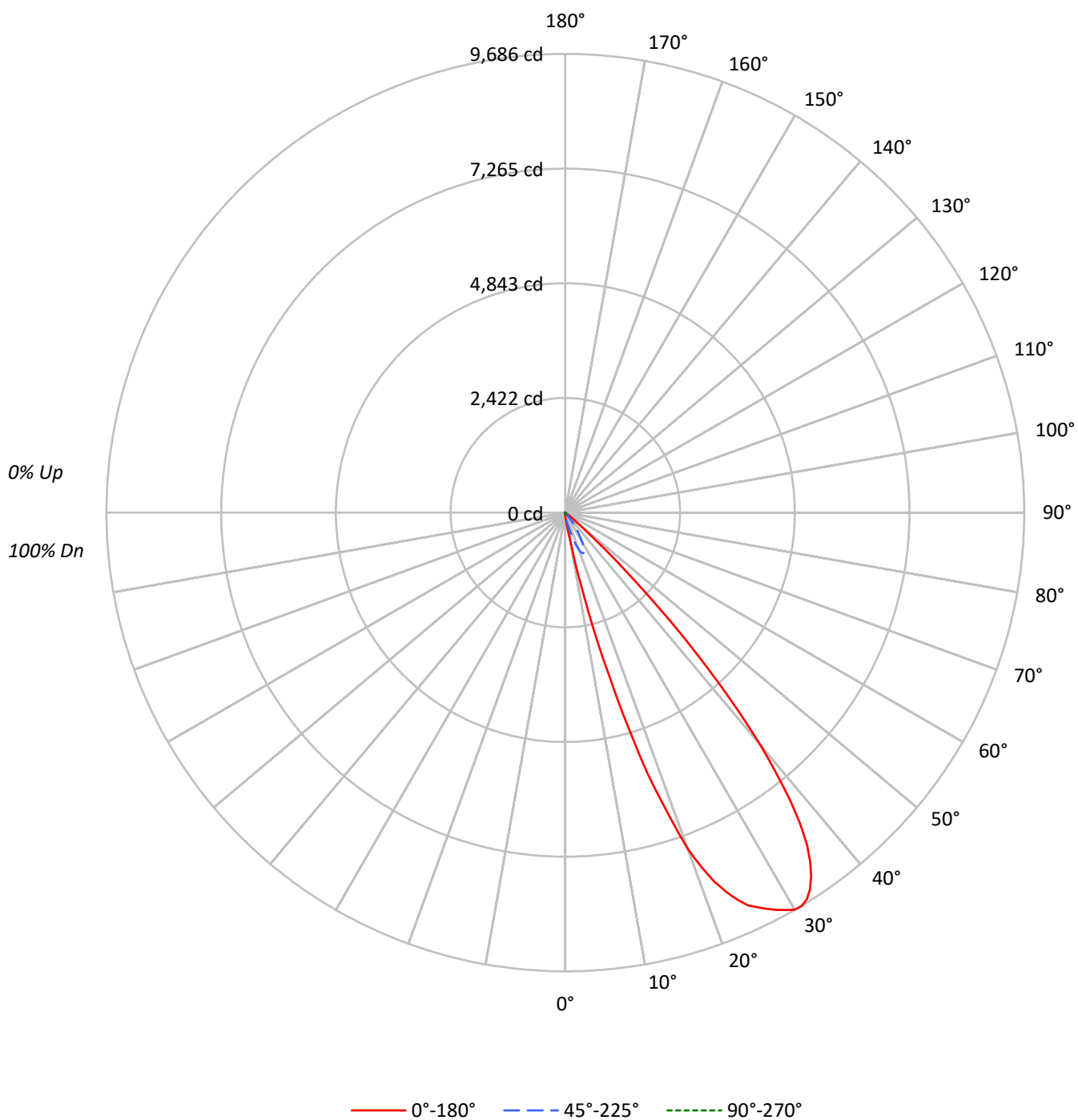
Lumens per Lamp: N/A
Luminaire Lumens: 1898.0 lumens
Efficiency: N/A
Efficacy: 65.9 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	63	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	70	59	52	47	69	58	52	47	57	51	47	56	51	46	55	50	46	45		
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	10333	10333	10333	10333	10333
5°	32363	22630	9422	5031	3769
10°	102042	41009	6995	630	0
15°	631086	78112	4208	0	0
20°	1383693	152265	1338	0	0
25°	1739352	175148	0	0	0
30°	1925456	135567	0	0	0
35°	1895359	76824	0	0	0
40°	1440673	20032	0	0	0
45°	583569	8866	0	0	0
50°	64786	965	0	0	0
55°	4924	0	540	0	0
60°	0	0	620	0	0
65°	0	0	1467	0	0
70°	0	906	1813	0	0
75°	0	1198	3660	0	0
80°	0	1785	5455	0	0
85°	0	3557	10868	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 583569 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.4	0.5
10°-20°	196.0	10.3
20°-30°	685.3	36.1
30°-40°	764.5	40.3
40°-50°	230.9	12.2
50°-60°	7.7	0.4
60°-70°	1.0	0.1
70°-80°	1.6	0.1
80°-90°	1.5	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°	890.7	46.9
0°-40°	1655.2	87.2
0°-60°	1893.8	99.8
0°-90°	1898.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1898.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	60	60	60	60	60	
5°	187	131	54	29	22	29
15°	3540	438	24	0	0	1177
25°	9153	922	0	0	0	4176
35°	9015	365	0	0	0	5412
45°	2396	36	0	0	0	2069
55°	16	0	2	0	0	51
65°	0	0	4	0	0	0
75°	0	2	6	0	0	0
85°	0	2	6	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
2.5°	103.6	107.3	105.4	107.3	105.4	105.4	105.4	107.3	105.4	105.4	105.4
5°	187.2	189.1	189.1	187.2	187.2	190.9	187.2	189.1	183.6	187.2	185.4
7.5°	307.2	303.6	303.6	305.4	305.4	301.8	300.0	296.3	300.0	300.0	294.5
10°	583.5	579.9	570.8	567.2	570.8	570.8	552.6	556.3	558.1	541.7	536.3
12.5°	1714.3	1701.6	1727.0	1687.0	1663.4	1625.2	1647.0	1572.5	1556.1	1545.2	1519.8
15°	3539.5	3635.8	3594.0	3597.6	3604.9	3514.0	3544.9	3432.2	3337.7	3308.6	3288.6
17.5°	5771.9	5800.9	5762.8	5744.6	5737.3	5693.7	5641.0	5584.6	5511.9	5448.3	5395.6
20°	7549.8	7528.0	7462.5	7469.8	7391.6	7351.6	7306.2	7249.8	7193.5	7100.7	7011.7
21°	8018.8	7955.2	7957.0	7913.4	7911.5	7860.6	7780.6	7722.5	7671.6	7566.1	7509.8
22°	8404.2	8389.6	8356.9	8324.2	8289.7	8264.2	8175.1	8146.0	8042.4	7955.2	7875.2
23°	8704.1	8709.6	8680.5	8658.7	8611.4	8600.5	8486.0	8446.0	8375.1	8242.4	8160.6
24°	8953.2	8944.1	8911.4	8873.2	8845.9	8820.5	8733.2	8667.8	8589.6	8480.5	8400.6
25°	9153.2	9131.4	9109.5	9080.4	9036.8	9007.7	8918.7	8845.9	8778.7	8656.9	8547.8
26°	9271.3	9276.8	9242.2	9220.4	9182.3	9153.2	9060.5	8975.0	8891.4	8760.5	8662.3
27°	9391.3	9385.9	9355.0	9322.2	9282.2	9271.3	9164.1	9075.0	8989.6	8851.4	8735.0
28°	9502.2	9487.7	9462.2	9424.0	9380.4	9347.7	9244.1	9151.3	9058.6	8911.4	8784.1
29°	9594.9	9580.4	9564.0	9514.9	9458.6	9436.8	9325.9	9213.2	9120.4	8969.6	8835.0
30°	9682.2	9654.9	9616.7	9574.9	9520.4	9478.6	9362.2	9264.1	9155.0	8987.7	8858.7
31°	9685.8	9649.5	9622.2	9578.6	9516.7	9465.8	9344.0	9244.1	9116.8	8960.5	8820.5
32°	9622.2	9604.0	9560.4	9513.1	9453.1	9402.2	9267.7	9162.3	9042.3	8875.0	8735.0
33°	9478.6	9460.4	9434.9	9385.9	9307.7	9260.4	9140.4	9024.1	8905.9	8755.0	8595.1
34°	9280.4	9258.6	9225.9	9176.8	9096.8	9047.7	8951.4	8831.4	8706.0	8549.6	8400.6
35°	9015.0	8973.2	8964.1	8891.4	8816.9	8804.1	8689.6	8564.2	8436.9	8264.2	8135.1
36°	8686.0	8636.9	8604.2	8578.7	8529.6	8469.6	8356.9	8256.9	8093.3	7982.4	7800.6
37°	8236.9	8176.9	8207.9	8138.8	8062.4	8037.0	7893.4	7802.5	7664.3	7513.4	7358.9
38°	7713.4	7707.9	7700.7	7669.8	7538.9	7471.6	7411.6	7315.3	7195.3	7013.5	6804.4
39°	7051.7	7062.6	7024.4	7028.0	6962.6	6895.3	6811.7	6702.6	6557.2	6391.8	6222.7
40°	6408.1	6253.6	6280.9	6188.2	6193.6	6093.6	5984.6	5888.2	5795.5	5650.1	5419.2
42.5°	4433.9	4410.2	4328.4	4270.3	4295.7	4166.6	4023.0	3888.5	3759.4	3595.8	3394.0
45°	2396.0	2341.5	2357.8	2263.3	2263.3	2205.1	2165.1	2052.4	1932.4	1857.9	1741.6
47.5°	890.8	901.7	921.7	883.5	839.9	865.3	827.1	827.1	807.2	783.5	750.8
50°	241.8	245.4	241.8	241.8	236.3	232.7	225.4	223.6	221.8	216.3	207.2
52.5°	98.2	92.7	92.7	94.5	94.5	90.9	92.7	92.7	90.9	89.1	89.1
55°	16.4	18.2	18.2	18.2	18.2	16.4	16.4	18.2	20.0	18.2	18.2
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
2.5°	101.8	89.1	74.5	61.8	49.1	41.8	38.2	40.0
5°	172.7	130.9	85.4	54.5	38.2	29.1	23.6	21.8
7.5°	265.4	180.0	96.3	47.3	29.1	14.5	9.1	7.3
10°	407.2	234.5	103.6	40.0	18.2	3.6	0.0	0.0
12.5°	1045.3	287.2	105.4	32.7	7.3	0.0	0.0	0.0
15°	2148.8	438.1	101.8	23.6	1.8	0.0	0.0	0.0
17.5°	3572.2	670.8	89.1	16.4	0.0	0.0	0.0	0.0
20°	4955.6	830.8	70.9	7.3	0.0	0.0	0.0	0.0
21°	5371.9	878.0	63.6	5.5	0.0	0.0	0.0	0.0
22°	5711.9	912.6	56.4	3.6	0.0	0.0	0.0	0.0
23°	5995.5	930.8	49.1	1.8	0.0	0.0	0.0	0.0
24°	6193.6	934.4	45.4	1.8	0.0	0.0	0.0	0.0
25°	6288.1	921.7	40.0	0.0	0.0	0.0	0.0	0.0
26°	6324.5	896.2	36.4	0.0	0.0	0.0	0.0	0.0
27°	6297.2	863.5	32.7	0.0	0.0	0.0	0.0	0.0
28°	6248.1	814.4	27.3	0.0	0.0	0.0	0.0	0.0
29°	6151.8	749.0	23.6	0.0	0.0	0.0	0.0	0.0
30°	6059.1	681.7	20.0	0.0	0.0	0.0	0.0	0.0
31°	5953.6	621.7	16.4	0.0	0.0	0.0	0.0	0.0
32°	5824.6	552.6	12.7	0.0	0.0	0.0	0.0	0.0
33°	5610.1	489.0	9.1	0.0	0.0	0.0	0.0	0.0
34°	5310.1	429.0	7.3	0.0	0.0	0.0	0.0	0.0
35°	4908.4	365.4	5.5	0.0	0.0	0.0	0.0	0.0
36°	4468.4	298.1	3.6	0.0	0.0	0.0	0.0	0.0
37°	3930.3	216.3	3.6	0.0	0.0	0.0	0.0	0.0
38°	3368.6	136.3	1.8	0.0	0.0	0.0	0.0	0.0
39°	2794.1	103.6	1.8	0.0	0.0	0.0	0.0	0.0
40°	2268.7	89.1	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	1214.4	60.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	716.3	36.4	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	399.9	14.5	0.0	0.0	0.0	0.0	0.0	0.0
50°	143.6	3.6	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	56.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	20.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0
57.5°	1.8	0.0	1.8	1.8	0.0	0.0	0.0	0.0
60°	0.0	0.0	1.8	1.8	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	1.8	3.6	0.0	0.0	0.0	0.0
65°	0.0	0.0	3.6	3.6	1.8	0.0	0.0	0.0
67.5°	0.0	1.8	3.6	3.6	1.8	0.0	0.0	0.0
70°	0.0	1.8	3.6	3.6	1.8	0.0	0.0	0.0
72.5°	0.0	1.8	3.6	5.5	1.8	0.0	0.0	0.0
75°	0.0	1.8	3.6	5.5	1.8	0.0	0.0	0.0
77.5°	0.0	1.8	3.6	5.5	1.8	0.0	0.0	0.0
80°	0.0	1.8	3.6	5.5	1.8	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.0	1.8	3.6	5.5	1.8	0.0	0.0	0.0
85°	0.0	1.8	3.6	5.5	1.8	0.0	0.0	0.0
87.5°	0.0	1.8	3.6	5.5	1.8	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)