

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: P1307817

Luminaire Tested: P3SQAS09R259030DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307817
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: P3SQAS09R259030DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

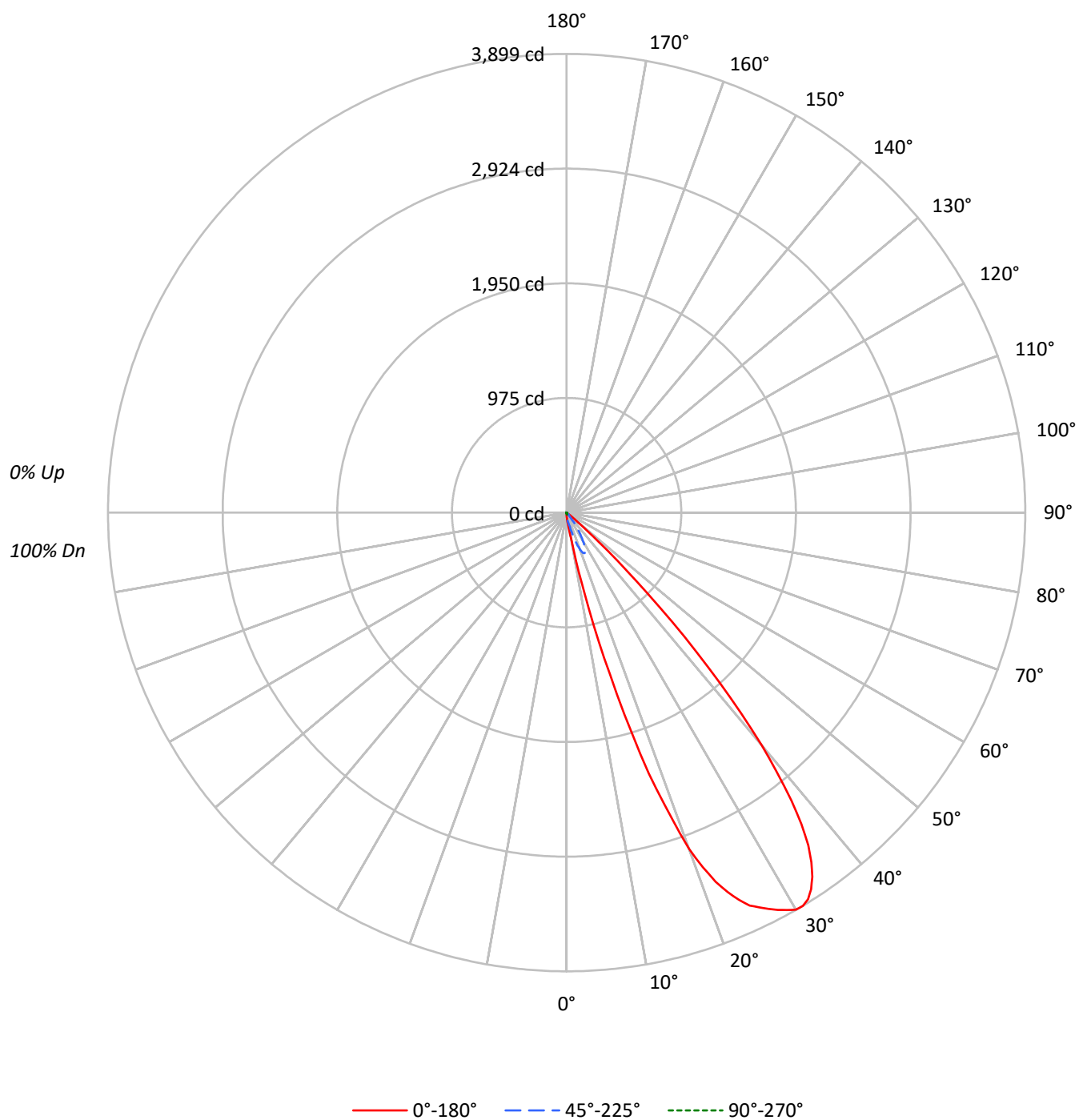
Lumens per Lamp: N/A
Luminaire Lumens: 764.0 lumens
Efficiency: N/A
Efficacy: 68.8 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	4151	4151	4151	4151	4151
5°	13035	9111	3803	2023	1521
10°	41079	16509	2816	262	0
15°	254021	31452	1694	0	0
20°	556974	61287	531	0	0
25°	700134	70500	0	0	0
30°	775059	54569	0	0	0
35°	762937	30927	0	0	0
40°	579925	8071	0	0	0
45°	234913	3556	0	0	0
50°	26070	402	0	0	0
55°	1982	0	210	0	0
60°	0	0	241	0	0
65°	0	0	611	0	0
70°	0	352	755	0	0
75°	0	466	1464	0	0
80°	0	694	2182	0	0
85°	0	1383	4347	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 234913 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.8	0.5
10°-20°	78.9	10.3
20°-30°	275.9	36.1
30°-40°	307.7	40.3
40°-50°	92.9	12.2
50°-60°	3.1	0.4
60°-70°	0.4	0.1
70°-80°	0.7	0.1
80°-90°	0.6	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°	358.5	46.9
0°-40°	666.3	87.2
0°-60°	762.3	99.8
0°-90°	764.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	764.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	24	24	24	24	24	
5°	75	53	22	12	9	12
15°	1425	176	10	0	0	474
25°	3684	371	0	0	0	1681
35°	3629	147	0	0	0	2179
45°	964	15	0	0	0	833
55°	7	0	1	0	0	20
65°	0	0	2	0	0	0
75°	0	1	2	0	0	0
85°	0	1	2	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°	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
2.5°	41.7	43.2	42.4	43.2	42.4	42.4	42.4	43.2	42.4	42.4	42.4
5°	75.4	76.1	76.1	75.4	75.4	76.8	75.4	76.1	73.9	75.4	74.6
7.5°	123.7	122.2	122.2	122.9	122.9	121.5	120.7	119.3	120.7	120.7	118.5
10°	234.9	233.4	229.8	228.3	229.8	229.8	222.5	223.9	224.7	218.1	215.9
12.5°	690.1	684.9	695.2	679.1	669.6	654.2	663.0	633.0	626.4	622.0	611.8
15°	1424.7	1463.5	1446.7	1448.2	1451.1	1414.5	1426.9	1381.6	1343.5	1331.8	1323.8
17.5°	2323.3	2335.0	2319.7	2312.4	2309.4	2291.9	2270.7	2248.0	2218.7	2193.1	2171.9
20°	3039.0	3030.2	3003.9	3006.8	2975.3	2959.2	2940.9	2918.3	2895.6	2858.3	2822.4
21°	3227.8	3202.2	3202.9	3185.4	3184.6	3164.1	3131.9	3108.5	3088.0	3045.6	3022.9
22°	3382.9	3377.1	3363.9	3350.7	3336.8	3326.6	3290.7	3279.0	3237.3	3202.2	3170.0
23°	3503.7	3505.9	3494.2	3485.4	3466.3	3462.0	3415.9	3399.8	3371.2	3317.8	3284.9
24°	3603.9	3600.3	3587.1	3571.7	3560.7	3550.5	3515.4	3489.0	3457.6	3413.7	3381.5
25°	3684.4	3675.6	3666.9	3655.1	3637.6	3625.9	3590.0	3560.7	3533.7	3484.6	3440.7
26°	3732.0	3734.2	3720.3	3711.5	3696.1	3684.4	3647.1	3612.7	3579.0	3526.4	3486.8
27°	3780.3	3778.1	3765.6	3752.5	3736.4	3732.0	3688.8	3652.9	3618.6	3562.9	3516.1
28°	3824.9	3819.1	3808.8	3793.4	3775.9	3762.7	3721.0	3683.7	3646.4	3587.1	3535.9
29°	3862.2	3856.4	3849.8	3830.0	3807.4	3798.6	3753.9	3708.6	3671.2	3610.5	3556.4
30°	3897.4	3886.4	3871.0	3854.2	3832.2	3815.4	3768.6	3729.1	3685.1	3617.8	3565.9
31°	3898.8	3884.2	3873.2	3855.6	3830.8	3810.3	3761.2	3721.0	3669.8	3606.8	3550.5
32°	3873.2	3865.9	3848.3	3829.3	3805.2	3784.7	3730.5	3688.1	3639.8	3572.5	3516.1
33°	3815.4	3808.1	3797.8	3778.1	3746.6	3727.6	3679.3	3632.5	3584.9	3524.2	3459.8
34°	3735.6	3726.9	3713.7	3693.9	3661.7	3642.0	3603.2	3554.9	3504.4	3441.5	3381.5
35°	3628.8	3612.0	3608.3	3579.0	3549.0	3543.9	3497.8	3447.3	3396.1	3326.6	3274.6
36°	3496.4	3476.6	3463.4	3453.2	3433.4	3409.3	3363.9	3323.7	3257.8	3213.2	3140.0
37°	3315.6	3291.5	3303.9	3276.1	3245.4	3235.1	3177.3	3140.7	3085.1	3024.4	2962.2
38°	3104.9	3102.7	3099.7	3087.3	3034.6	3007.5	2983.4	2944.6	2896.3	2823.1	2739.0
39°	2838.5	2842.9	2827.5	2829.0	2802.6	2775.6	2741.9	2698.0	2639.5	2572.9	2504.8
40°	2579.5	2517.3	2528.2	2490.9	2493.1	2452.9	2409.0	2370.2	2332.9	2274.3	2181.4
42.5°	1784.8	1775.3	1742.3	1718.9	1729.2	1677.2	1619.4	1565.2	1513.3	1447.4	1366.2
45°	964.5	942.5	949.1	911.0	911.0	887.6	871.5	826.2	777.9	747.9	701.0
47.5°	358.6	363.0	371.0	355.6	338.1	348.3	333.0	333.0	324.9	315.4	302.2
50°	97.3	98.8	97.3	97.3	95.1	93.7	90.7	90.0	89.3	87.1	83.4
52.5°	39.5	37.3	37.3	38.1	38.1	36.6	37.3	37.3	36.6	35.9	35.9
55°	6.6	7.3	7.3	7.3	7.3	6.6	6.6	7.3	8.0	7.3	7.3
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°	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
2.5°	41.0	35.9	30.0	24.9	19.8	16.8	15.4	16.1
5°	69.5	52.7	34.4	22.0	15.4	11.7	9.5	8.8
7.5°	106.8	72.4	38.8	19.0	11.7	5.9	3.7	2.9
10°	163.9	94.4	41.7	16.1	7.3	1.5	0.0	0.0
12.5°	420.8	115.6	42.4	13.2	2.9	0.0	0.0	0.0
15°	864.9	176.4	41.0	9.5	0.7	0.0	0.0	0.0
17.5°	1437.9	270.0	35.9	6.6	0.0	0.0	0.0	0.0
20°	1994.8	334.4	28.5	2.9	0.0	0.0	0.0	0.0
21°	2162.4	353.4	25.6	2.2	0.0	0.0	0.0	0.0
22°	2299.2	367.3	22.7	1.5	0.0	0.0	0.0	0.0
23°	2413.3	374.7	19.8	0.7	0.0	0.0	0.0	0.0
24°	2493.1	376.1	18.3	0.7	0.0	0.0	0.0	0.0
25°	2531.2	371.0	16.1	0.0	0.0	0.0	0.0	0.0
26°	2545.8	360.8	14.6	0.0	0.0	0.0	0.0	0.0
27°	2534.8	347.6	13.2	0.0	0.0	0.0	0.0	0.0
28°	2515.1	327.8	11.0	0.0	0.0	0.0	0.0	0.0
29°	2476.3	301.5	9.5	0.0	0.0	0.0	0.0	0.0
30°	2439.0	274.4	8.0	0.0	0.0	0.0	0.0	0.0
31°	2396.5	250.3	6.6	0.0	0.0	0.0	0.0	0.0
32°	2344.6	222.5	5.1	0.0	0.0	0.0	0.0	0.0
33°	2258.2	196.8	3.7	0.0	0.0	0.0	0.0	0.0
34°	2137.5	172.7	2.9	0.0	0.0	0.0	0.0	0.0
35°	1975.8	147.1	2.2	0.0	0.0	0.0	0.0	0.0
36°	1798.7	120.0	1.5	0.0	0.0	0.0	0.0	0.0
37°	1582.1	87.1	1.5	0.0	0.0	0.0	0.0	0.0
38°	1356.0	54.9	0.7	0.0	0.0	0.0	0.0	0.0
39°	1124.7	41.7	0.7	0.0	0.0	0.0	0.0	0.0
40°	913.2	35.9	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	488.8	24.1	0.0	0.0	0.0	0.0	0.0	0.0
45°	288.3	14.6	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	161.0	5.9	0.0	0.0	0.0	0.0	0.0	0.0
50°	57.8	1.5	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	22.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	8.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0
57.5°	0.7	0.0	0.7	0.7	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.7	1.5	0.0	0.0	0.0	0.0
65°	0.0	0.0	1.5	1.5	0.7	0.0	0.0	0.0
67.5°	0.0	0.7	1.5	1.5	0.7	0.0	0.0	0.0
70°	0.0	0.7	1.5	1.5	0.7	0.0	0.0	0.0
72.5°	0.0	0.7	1.5	2.2	0.7	0.0	0.0	0.0
75°	0.0	0.7	1.5	2.2	0.7	0.0	0.0	0.0
77.5°	0.0	0.7	1.5	2.2	0.7	0.0	0.0	0.0
80°	0.0	0.7	1.5	2.2	0.7	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	0.7	1.5	2.2	0.7	0.0	0.0	0.0
85°	0.0	0.7	1.5	2.2	0.7	0.0	0.0	0.0
87.5°	0.0	0.7	1.5	2.2	0.7	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)