

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: P1317972

Luminaire Tested: P3SQAS13R259835DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317972
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: P3SQAS13R259835DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

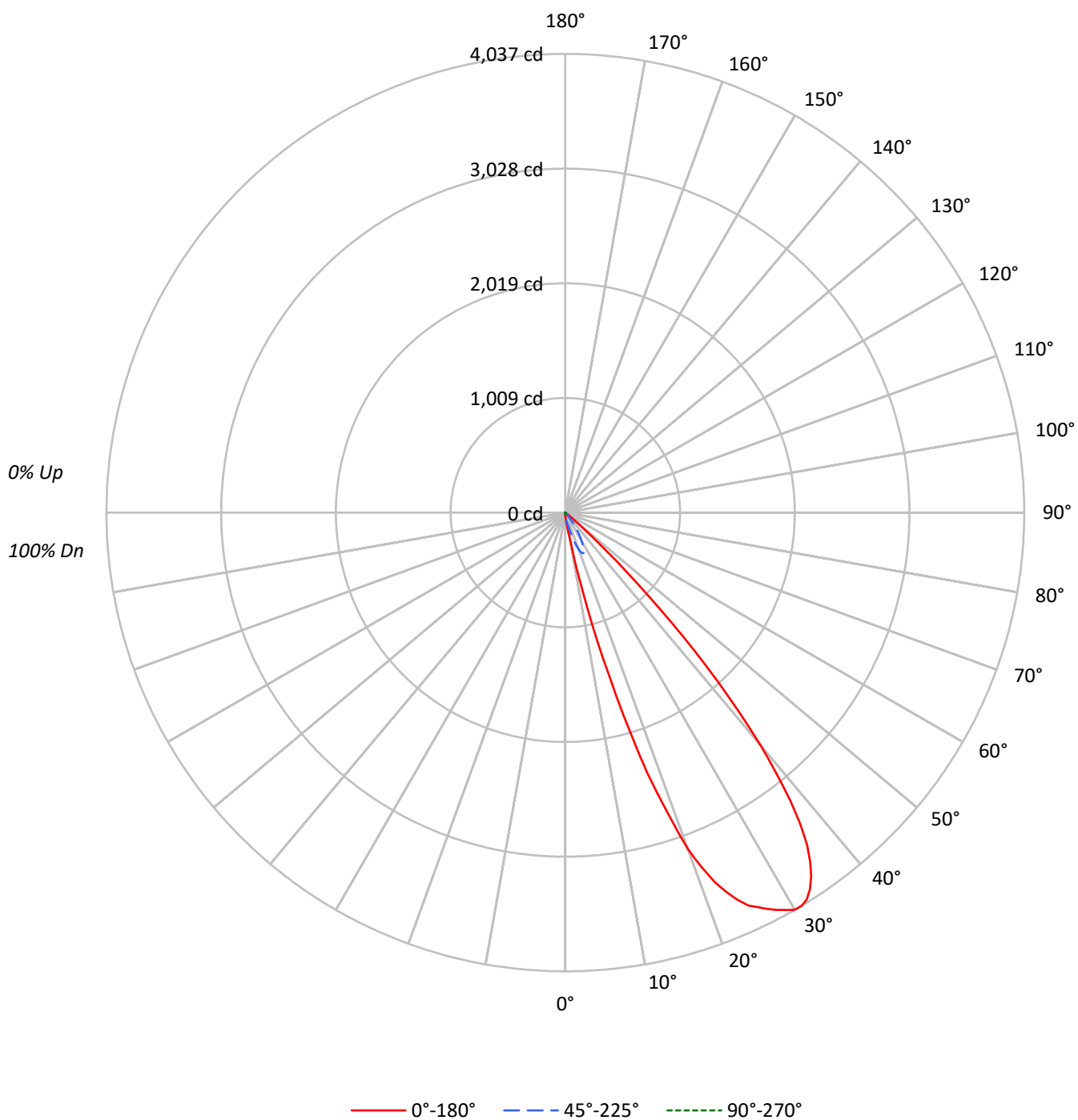
Lumens per Lamp: N/A
Luminaire Lumens: 791.0 lumens
Efficiency: N/A
Efficacy: 54.6 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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°	4306	4306	4306	4306	4306
5°	13485	9422	3924	2092	1573
10°	42531	17086	2920	262	0
15°	263007	32557	1747	0	0
20°	576658	63450	550	0	0
25°	724876	72989	0	0	0
30°	802442	56498	0	0	0
35°	789891	32020	0	0	0
40°	600406	8341	0	0	0
45°	243194	3702	0	0	0
50°	27007	402	0	0	0
55°	2042	0	240	0	0
60°	0	0	276	0	0
65°	0	0	611	0	0
70°	0	403	755	0	0
75°	0	532	1530	0	0
80°	0	793	2281	0	0
85°	0	1581	4545	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 243194 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.9	0.5
10°-20°	81.7	10.3
20°-30°	285.6	36.1
30°-40°	318.6	40.3
40°-50°	96.2	12.2
50°-60°	3.2	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°	371.2	46.9
0°-40°	689.8	87.2
0°-60°	789.3	99.8
0°-90°	791.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	791.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	25	25	25	25	25	
5°	78	54	23	12	9	12
15°	1475	183	10	0	0	490
25°	3815	384	0	0	0	1740
35°	3757	152	0	0	0	2256
45°	998	15	0	0	0	862
55°	7	0	1	0	0	21
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°	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
2.5°	43.2	44.7	43.9	44.7	43.9	43.9	43.9	44.7	43.9	43.9	43.9
5°	78.0	78.8	78.8	78.0	78.0	79.6	78.0	78.8	76.5	78.0	77.3
7.5°	128.0	126.5	126.5	127.3	127.3	125.8	125.0	123.5	125.0	125.0	122.7
10°	243.2	241.7	237.9	236.4	237.9	237.9	230.3	231.8	232.6	225.8	223.5
12.5°	714.4	709.1	719.7	703.1	693.2	677.3	686.4	655.3	648.5	644.0	633.4
15°	1475.1	1515.2	1497.8	1499.3	1502.4	1464.5	1477.4	1430.4	1391.0	1378.9	1370.5
17.5°	2405.4	2417.6	2401.7	2394.1	2391.1	2372.9	2350.9	2327.4	2297.1	2270.6	2248.6
20°	3146.4	3137.3	3110.0	3113.1	3080.5	3063.8	3044.9	3021.4	2997.9	2959.3	2922.1
21°	3341.9	3315.4	3316.1	3297.9	3297.2	3276.0	3242.6	3218.4	3197.2	3153.2	3129.7
22°	3502.5	3496.4	3482.8	3469.1	3454.8	3444.1	3407.0	3394.9	3351.7	3315.4	3282.0
23°	3627.5	3629.8	3617.6	3608.5	3588.9	3584.3	3536.6	3519.9	3490.4	3435.1	3401.0
24°	3731.3	3727.5	3713.9	3697.9	3686.6	3676.0	3639.6	3612.3	3579.8	3534.3	3501.0
25°	3814.6	3805.5	3796.4	3784.3	3766.1	3754.0	3716.9	3686.6	3658.6	3607.8	3562.3
26°	3863.9	3866.1	3851.7	3842.7	3826.7	3814.6	3776.0	3740.4	3705.5	3651.0	3610.1
27°	3913.9	3911.6	3898.7	3885.1	3868.4	3863.9	3819.2	3782.0	3746.4	3688.9	3640.4
28°	3960.1	3954.0	3943.4	3927.5	3909.3	3895.7	3852.5	3813.9	3775.2	3713.9	3660.8
29°	3998.7	3992.7	3985.8	3965.4	3941.9	3932.8	3886.6	3839.6	3801.0	3738.1	3682.0
30°	4035.1	4023.7	4007.8	3990.4	3967.7	3950.2	3901.7	3860.8	3815.4	3745.7	3691.9
31°	4036.6	4021.5	4010.1	3991.9	3966.1	3944.9	3894.2	3852.5	3799.5	3734.3	3676.0
32°	4010.1	4002.5	3984.3	3964.6	3939.6	3918.4	3862.4	3818.4	3768.4	3698.7	3640.4
33°	3950.2	3942.7	3932.1	3911.6	3879.0	3859.3	3809.3	3760.8	3711.6	3648.7	3582.0
34°	3867.7	3858.6	3844.9	3824.5	3791.1	3770.7	3730.5	3680.5	3628.2	3563.1	3501.0
35°	3757.0	3739.6	3735.8	3705.5	3674.5	3669.2	3621.4	3569.2	3516.1	3444.1	3390.4
36°	3619.9	3599.5	3585.8	3575.2	3554.8	3529.8	3482.8	3441.1	3372.9	3326.7	3251.0
37°	3432.8	3407.8	3420.7	3391.9	3360.0	3349.4	3289.6	3251.7	3194.1	3131.2	3066.9
38°	3214.6	3212.3	3209.3	3196.4	3141.9	3113.8	3088.8	3048.7	2998.7	2922.9	2835.8
39°	2938.8	2943.4	2927.4	2929.0	2901.7	2873.7	2838.8	2793.3	2732.7	2663.8	2593.3
40°	2670.6	2606.2	2617.6	2578.9	2581.2	2539.5	2494.1	2453.9	2415.3	2354.7	2258.5
42.5°	1847.8	1838.0	1803.9	1779.7	1790.3	1736.5	1676.6	1620.6	1566.8	1498.6	1414.5
45°	998.5	975.8	982.6	943.2	943.2	919.0	902.3	855.4	805.4	774.3	725.8
47.5°	371.2	375.8	384.1	368.2	350.0	360.6	344.7	344.7	336.4	326.5	312.9
50°	100.8	102.3	100.8	100.8	98.5	97.0	93.9	93.2	92.4	90.2	86.4
52.5°	40.9	38.6	38.6	39.4	39.4	37.9	38.6	38.6	37.9	37.1	37.1
55°	6.8	7.6	7.6	7.6	7.6	6.8	6.8	7.6	8.3	7.6	7.6
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°	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
2.5°	42.4	37.1	31.1	25.8	20.5	17.4	15.9	16.7
5°	72.0	54.5	35.6	22.7	15.9	12.1	9.8	9.1
7.5°	110.6	75.0	40.2	19.7	12.1	6.1	3.8	3.0
10°	169.7	97.7	43.2	16.7	7.6	1.5	0.0	0.0
12.5°	435.6	119.7	43.9	13.6	3.0	0.0	0.0	0.0
15°	895.5	182.6	42.4	9.8	0.8	0.0	0.0	0.0
17.5°	1488.7	279.6	37.1	6.8	0.0	0.0	0.0	0.0
20°	2065.3	346.2	29.5	3.0	0.0	0.0	0.0	0.0
21°	2238.8	365.9	26.5	2.3	0.0	0.0	0.0	0.0
22°	2380.4	380.3	23.5	1.5	0.0	0.0	0.0	0.0
23°	2498.6	387.9	20.5	0.8	0.0	0.0	0.0	0.0
24°	2581.2	389.4	18.9	0.8	0.0	0.0	0.0	0.0
25°	2620.6	384.1	16.7	0.0	0.0	0.0	0.0	0.0
26°	2635.8	373.5	15.2	0.0	0.0	0.0	0.0	0.0
27°	2624.4	359.9	13.6	0.0	0.0	0.0	0.0	0.0
28°	2603.9	339.4	11.4	0.0	0.0	0.0	0.0	0.0
29°	2563.8	312.1	9.8	0.0	0.0	0.0	0.0	0.0
30°	2525.2	284.1	8.3	0.0	0.0	0.0	0.0	0.0
31°	2481.2	259.1	6.8	0.0	0.0	0.0	0.0	0.0
32°	2427.4	230.3	5.3	0.0	0.0	0.0	0.0	0.0
33°	2338.0	203.8	3.8	0.0	0.0	0.0	0.0	0.0
34°	2213.0	178.8	3.0	0.0	0.0	0.0	0.0	0.0
35°	2045.6	152.3	2.3	0.0	0.0	0.0	0.0	0.0
36°	1862.2	124.2	1.5	0.0	0.0	0.0	0.0	0.0
37°	1638.0	90.2	1.5	0.0	0.0	0.0	0.0	0.0
38°	1403.9	56.8	0.8	0.0	0.0	0.0	0.0	0.0
39°	1164.5	43.2	0.8	0.0	0.0	0.0	0.0	0.0
40°	945.5	37.1	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	506.1	25.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	298.5	15.2	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	166.7	6.1	0.0	0.0	0.0	0.0	0.0	0.0
50°	59.9	1.5	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	23.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	8.3	0.0	0.0	0.8	0.0	0.0	0.0	0.0
57.5°	0.8	0.0	0.8	0.8	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.8	0.8	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.8	1.5	0.0	0.0	0.0	0.0
65°	0.0	0.0	1.5	1.5	0.8	0.0	0.0	0.0
67.5°	0.0	0.8	1.5	1.5	0.8	0.0	0.0	0.0
70°	0.0	0.8	1.5	1.5	0.8	0.0	0.0	0.0
72.5°	0.0	0.8	1.5	2.3	0.8	0.0	0.0	0.0
75°	0.0	0.8	1.5	2.3	0.8	0.0	0.0	0.0
77.5°	0.0	0.8	1.5	2.3	0.8	0.0	0.0	0.0
80°	0.0	0.8	1.5	2.3	0.8	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	0.8	1.5	2.3	0.8	0.0	0.0	0.0
85°	0.0	0.8	1.5	2.3	0.8	0.0	0.0	0.0
87.5°	0.0	0.8	1.5	2.3	0.8	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)