

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: P1308936

Luminaire Tested: P3SQAS09R259035DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308936
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: P3SQAS09R259035DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

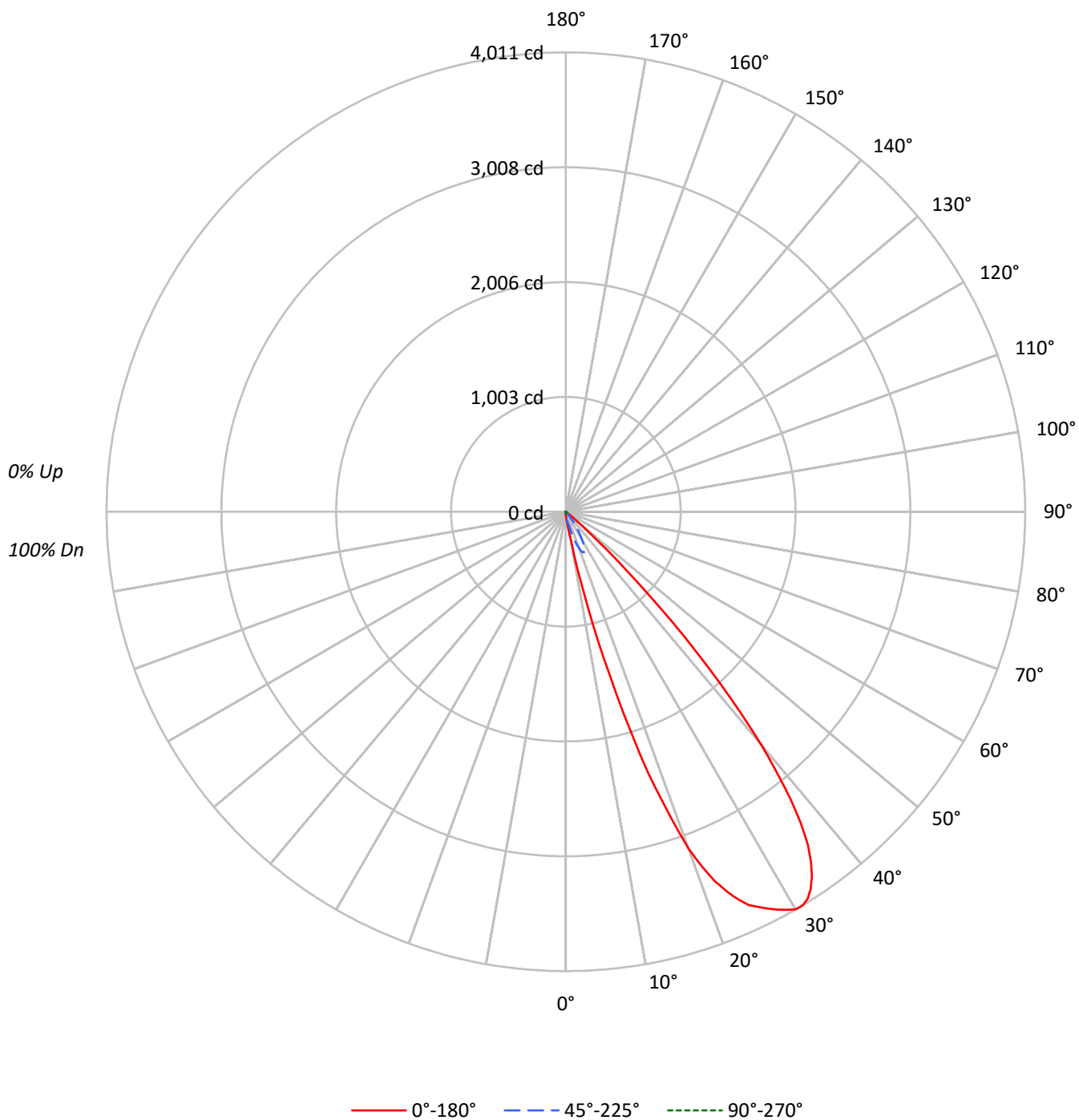
Lumens per Lamp: N/A
Luminaire Lumens: 786.0 lumens
Efficiency: N/A
Efficacy: 70.8 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			0
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°	4271	4271	4271	4271	4271
5°	13398	9370	3907	2075	1556
10°	42268	16981	2903	262	0
15°	261349	32343	1747	0	0
20°	573011	63047	550	0	0
25°	720296	72533	0	0	0
30°	797371	56140	0	0	0
35°	784908	31810	0	0	0
40°	596607	8296	0	0	0
45°	241660	3678	0	0	0
50°	26820	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: 241660 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.9	0.5
10°-20°	81.2	10.3
20°-30°	283.8	36.1
30°-40°	316.6	40.3
40°-50°	95.6	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°	368.9	46.9
0°-40°	685.5	87.2
0°-60°	784.3	99.8
0°-90°	786.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	786.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	25	25	25	25	25	
5°	78	54	23	12	9	12
15°	1466	181	10	0	0	487
25°	3790	382	0	0	0	1729
35°	3733	151	0	0	0	2241
45°	992	15	0	0	0	857
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°	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
2.5°	42.9	44.4	43.7	44.4	43.7	43.7	43.7	44.4	43.7	43.7	43.7
5°	77.5	78.3	78.3	77.5	77.5	79.0	77.5	78.3	76.0	77.5	76.8
7.5°	127.2	125.7	125.7	126.5	126.5	125.0	124.2	122.7	124.2	124.2	122.0
10°	241.7	240.2	236.4	234.9	236.4	236.4	228.9	230.4	231.1	224.3	222.1
12.5°	709.9	704.7	715.2	698.6	688.8	673.0	682.1	651.2	644.4	639.9	629.4
15°	1465.8	1505.7	1488.3	1489.9	1492.9	1455.2	1468.0	1421.3	1382.2	1370.2	1361.9
17.5°	2390.2	2402.3	2386.5	2378.9	2375.9	2357.9	2336.0	2312.7	2282.6	2256.2	2234.4
20°	3126.5	3117.5	3090.4	3093.4	3061.0	3044.5	3025.6	3002.3	2979.0	2940.6	2903.7
21°	3320.7	3294.4	3295.1	3277.1	3276.3	3255.2	3222.1	3198.0	3177.0	3133.3	3109.9
22°	3480.3	3474.3	3460.8	3447.2	3432.9	3422.4	3385.5	3373.4	3330.5	3294.4	3261.3
23°	3604.6	3606.8	3594.8	3585.7	3566.2	3561.6	3514.2	3497.7	3468.3	3413.3	3379.5
24°	3707.7	3703.9	3690.4	3674.6	3663.3	3652.7	3616.6	3589.5	3557.1	3512.0	3478.8
25°	3790.5	3781.5	3772.4	3760.4	3742.3	3730.3	3693.4	3663.3	3635.4	3585.0	3539.8
26°	3839.4	3841.7	3827.4	3818.4	3802.6	3790.5	3752.1	3716.7	3682.1	3627.9	3587.2
27°	3889.1	3886.9	3874.1	3860.5	3844.0	3839.4	3795.0	3758.1	3722.8	3665.5	3617.4
28°	3935.1	3929.0	3918.5	3902.7	3884.6	3871.1	3828.2	3789.8	3751.4	3690.4	3637.7
29°	3973.4	3967.4	3960.7	3940.3	3917.0	3908.0	3862.0	3815.4	3777.0	3714.5	3658.8
30°	4009.6	3998.3	3982.5	3965.2	3942.6	3925.3	3877.1	3836.4	3791.3	3722.0	3668.6
31°	4011.1	3996.0	3984.7	3966.7	3941.1	3920.0	3869.6	3828.2	3775.5	3710.7	3652.7
32°	3984.7	3977.2	3959.1	3939.6	3914.7	3893.6	3837.9	3794.3	3744.6	3675.3	3617.4
33°	3925.3	3917.7	3907.2	3886.9	3854.5	3834.9	3785.2	3737.1	3688.1	3625.6	3559.4
34°	3843.2	3834.2	3820.6	3800.3	3767.2	3746.8	3706.9	3657.3	3605.3	3540.6	3478.8
35°	3733.3	3716.0	3712.2	3682.1	3651.2	3646.0	3598.5	3546.6	3493.9	3422.4	3368.9
36°	3597.0	3576.7	3563.2	3552.6	3532.3	3507.4	3460.8	3419.4	3351.6	3305.7	3230.4
37°	3411.1	3386.2	3399.0	3370.4	3338.8	3328.3	3268.8	3231.2	3173.9	3111.5	3047.5
38°	3194.3	3192.0	3189.0	3176.2	3122.0	3094.1	3069.3	3029.4	2979.7	2904.4	2817.9
39°	2920.2	2924.8	2908.9	2910.4	2883.3	2855.5	2820.9	2775.7	2715.5	2647.0	2576.9
40°	2653.7	2589.7	2601.0	2562.6	2564.9	2523.5	2478.3	2438.4	2400.0	2339.8	2244.2
42.5°	1836.2	1826.4	1792.5	1768.4	1778.9	1725.5	1666.0	1610.3	1556.9	1489.1	1405.5
45°	992.2	969.6	976.4	937.3	937.3	913.2	896.6	849.9	800.3	769.4	721.2
47.5°	368.9	373.4	381.7	365.9	347.8	358.3	342.5	342.5	334.3	324.5	310.9
50°	100.1	101.6	100.1	100.1	97.9	96.4	93.4	92.6	91.8	89.6	85.8
52.5°	40.7	38.4	38.4	39.1	39.1	37.6	38.4	38.4	37.6	36.9	36.9
55°	6.8	7.5	7.5	7.5	7.5	6.8	6.8	7.5	8.3	7.5	7.5
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°	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
2.5°	42.2	36.9	30.9	25.6	20.3	17.3	15.8	16.6
5°	71.5	54.2	35.4	22.6	15.8	12.0	9.8	9.0
7.5°	109.9	74.5	39.9	19.6	12.0	6.0	3.8	3.0
10°	168.6	97.1	42.9	16.6	7.5	1.5	0.0	0.0
12.5°	432.9	118.9	43.7	13.6	3.0	0.0	0.0	0.0
15°	889.8	181.4	42.2	9.8	0.8	0.0	0.0	0.0
17.5°	1479.3	277.8	36.9	6.8	0.0	0.0	0.0	0.0
20°	2052.2	344.0	29.4	3.0	0.0	0.0	0.0	0.0
21°	2224.6	363.6	26.3	2.3	0.0	0.0	0.0	0.0
22°	2365.4	377.9	23.3	1.5	0.0	0.0	0.0	0.0
23°	2482.8	385.5	20.3	0.8	0.0	0.0	0.0	0.0
24°	2564.9	387.0	18.8	0.8	0.0	0.0	0.0	0.0
25°	2604.0	381.7	16.6	0.0	0.0	0.0	0.0	0.0
26°	2619.1	371.1	15.1	0.0	0.0	0.0	0.0	0.0
27°	2607.8	357.6	13.6	0.0	0.0	0.0	0.0	0.0
28°	2587.5	337.3	11.3	0.0	0.0	0.0	0.0	0.0
29°	2547.6	310.2	9.8	0.0	0.0	0.0	0.0	0.0
30°	2509.2	282.3	8.3	0.0	0.0	0.0	0.0	0.0
31°	2465.5	257.5	6.8	0.0	0.0	0.0	0.0	0.0
32°	2412.1	228.9	5.3	0.0	0.0	0.0	0.0	0.0
33°	2323.2	202.5	3.8	0.0	0.0	0.0	0.0	0.0
34°	2199.0	177.7	3.0	0.0	0.0	0.0	0.0	0.0
35°	2032.6	151.3	2.3	0.0	0.0	0.0	0.0	0.0
36°	1850.5	123.5	1.5	0.0	0.0	0.0	0.0	0.0
37°	1627.6	89.6	1.5	0.0	0.0	0.0	0.0	0.0
38°	1395.0	56.5	0.8	0.0	0.0	0.0	0.0	0.0
39°	1157.1	42.9	0.8	0.0	0.0	0.0	0.0	0.0
40°	939.5	36.9	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	502.9	24.8	0.0	0.0	0.0	0.0	0.0	0.0
45°	296.6	15.1	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	165.6	6.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	59.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	23.3	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)