

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: P1315165

Luminaire Tested: P3SQAS09R259740DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315165
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: P3SQAS09R259740DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

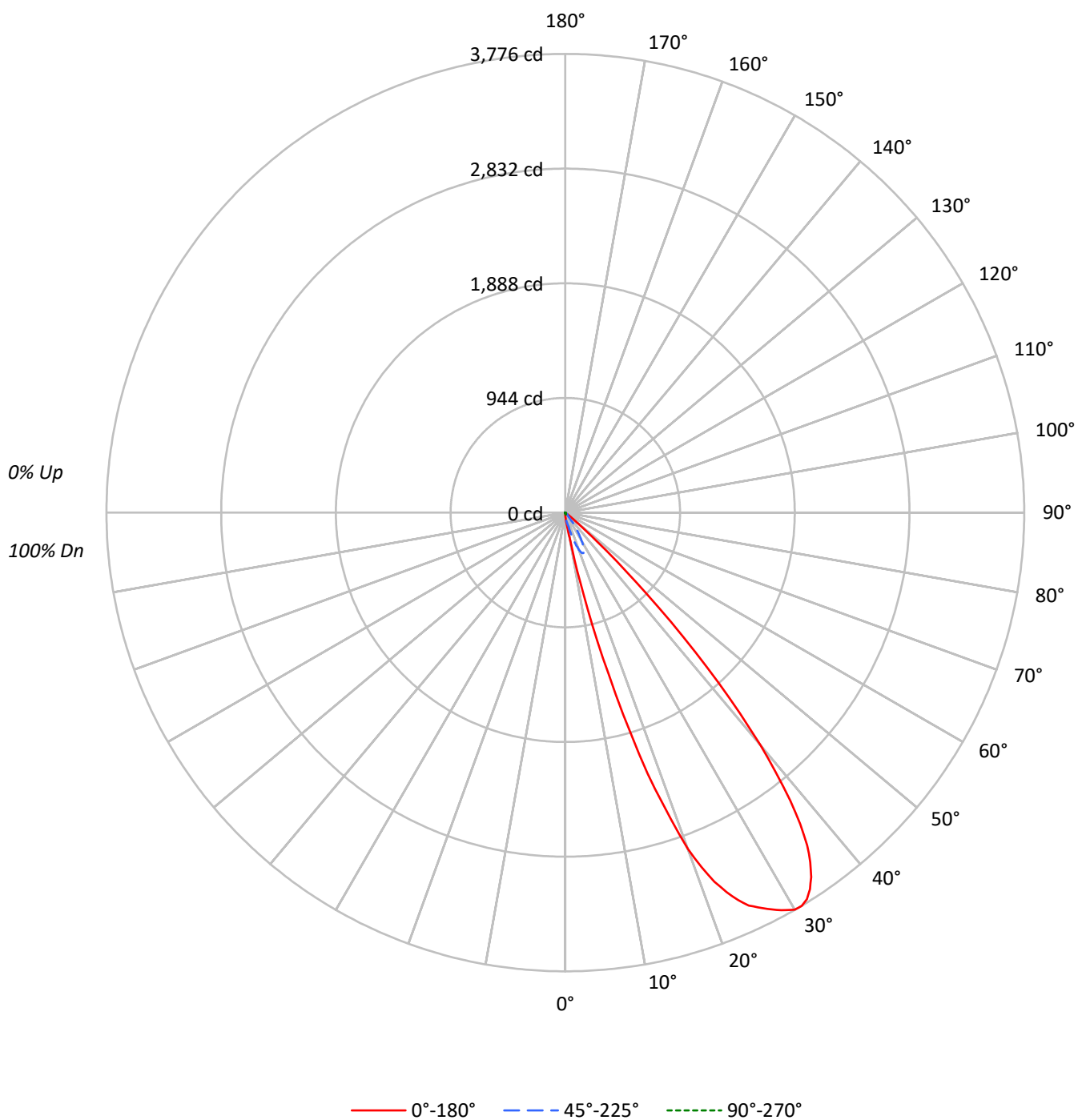
Lumens per Lamp: N/A
Luminaire Lumens: 740.0 lumens
Efficiency: N/A
Efficacy: 66.7 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	0
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°	4030	4030	4030	4030	4030
5°	12620	8817	3682	1954	1469
10°	39785	15984	2728	245	0
15°	246051	30453	1640	0	0
20°	539471	59363	513	0	0
25°	678148	68277	0	0	0
30°	750698	52858	0	0	0
35°	738969	29960	0	0	0
40°	561692	7801	0	0	0
45°	227533	3459	0	0	0
50°	25266	375	0	0	0
55°	1922	0	210	0	0
60°	0	0	241	0	0
65°	0	0	571	0	0
70°	0	352	705	0	0
75°	0	466	1397	0	0
80°	0	694	2083	0	0
85°	0	1383	4150	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 227533 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.7	0.5
10°-20°	76.4	10.3
20°-30°	267.2	36.1
30°-40°	298.1	40.3
40°-50°	90.0	12.2
50°-60°	3.0	0.4
60°-70°	0.4	0.1
70°-80°	0.6	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°	347.3	46.9
0°-40°	645.3	87.2
0°-60°	738.4	99.8
0°-90°	740.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	740.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	23	23	23	23	23	
5°	73	51	21	11	8	11
15°	1380	171	9	0	0	459
25°	3569	359	0	0	0	1628
35°	3515	142	0	0	0	2110
45°	934	14	0	0	0	807
55°	6	0	1	0	0	20
65°	0	0	1	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°	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4
2.5°	40.4	41.8	41.1	41.8	41.1	41.1	41.1	41.8	41.1	41.1	41.1
5°	73.0	73.7	73.7	73.0	73.0	74.4	73.0	73.7	71.6	73.0	72.3
7.5°	119.8	118.4	118.4	119.1	119.1	117.7	116.9	115.5	116.9	116.9	114.8
10°	227.5	226.1	222.6	221.1	222.6	222.6	215.5	216.9	217.6	211.2	209.1
12.5°	668.4	663.4	673.3	657.7	648.5	633.6	642.1	613.1	606.7	602.5	592.5
15°	1380.0	1417.5	1401.2	1402.7	1405.5	1370.1	1382.1	1338.2	1301.3	1290.0	1282.2
17.5°	2250.4	2261.7	2246.8	2239.7	2236.9	2219.9	2199.3	2177.4	2149.0	2124.2	2103.6
20°	2943.5	2935.0	2909.5	2912.3	2881.9	2866.3	2848.6	2826.6	2804.6	2768.5	2733.7
21°	3126.4	3101.6	3102.3	3085.3	3084.6	3064.7	3033.5	3010.9	2991.0	2949.9	2927.9
22°	3276.7	3271.0	3258.2	3245.5	3232.0	3222.1	3187.4	3176.0	3135.6	3101.6	3070.4
23°	3393.6	3395.7	3384.4	3375.9	3357.5	3353.2	3308.6	3293.0	3265.3	3213.6	3181.7
24°	3490.7	3487.2	3474.4	3459.5	3448.9	3439.0	3404.9	3379.4	3349.0	3306.4	3275.2
25°	3568.7	3560.2	3551.7	3540.3	3523.3	3512.0	3477.2	3448.9	3422.7	3375.2	3332.7
26°	3614.7	3616.9	3603.4	3594.9	3580.0	3568.7	3532.5	3499.2	3466.6	3415.6	3377.3
27°	3661.5	3659.4	3647.3	3634.6	3619.0	3614.7	3572.9	3538.2	3504.9	3451.0	3405.7
28°	3704.8	3699.1	3689.2	3674.3	3657.3	3644.5	3604.1	3568.0	3531.8	3474.4	3424.8
29°	3740.9	3735.2	3728.9	3709.7	3687.7	3679.2	3636.0	3592.1	3555.9	3497.1	3444.6
30°	3774.9	3764.3	3749.4	3733.1	3711.8	3695.5	3650.2	3611.9	3569.4	3504.2	3453.9
31°	3776.3	3762.2	3751.5	3734.5	3710.4	3690.6	3643.1	3604.1	3554.5	3493.5	3439.0
32°	3751.5	3744.4	3727.4	3709.0	3685.6	3665.8	3613.3	3572.2	3525.4	3460.2	3405.7
33°	3695.5	3688.5	3678.5	3659.4	3628.9	3610.5	3563.7	3518.4	3472.3	3413.5	3351.1
34°	3618.3	3609.8	3597.0	3577.9	3546.7	3527.6	3490.0	3443.2	3394.3	3333.4	3275.2
35°	3514.8	3498.5	3495.0	3466.6	3437.6	3432.6	3387.9	3339.0	3289.4	3222.1	3171.8
36°	3386.5	3367.4	3354.6	3344.7	3325.6	3302.2	3258.2	3219.2	3155.5	3112.2	3041.3
37°	3211.5	3188.1	3200.1	3173.2	3143.4	3133.5	3077.5	3042.1	2988.2	2929.4	2869.1
38°	3007.3	3005.2	3002.4	2990.3	2939.3	2913.1	2889.7	2852.1	2805.3	2734.4	2652.9
39°	2749.3	2753.6	2738.7	2740.1	2714.6	2688.4	2655.8	2613.2	2556.5	2492.0	2426.1
40°	2498.4	2438.2	2448.8	2412.7	2414.8	2375.8	2333.3	2295.7	2259.6	2202.9	2112.9
42.5°	1728.7	1719.5	1687.6	1664.9	1674.8	1624.5	1568.5	1516.1	1465.7	1402.0	1323.3
45°	934.2	912.9	919.3	882.4	882.4	859.7	844.1	800.2	753.4	724.4	679.0
47.5°	347.3	351.6	359.3	344.5	327.5	337.4	322.5	322.5	314.7	305.5	292.7
50°	94.3	95.7	94.3	94.3	92.1	90.7	87.9	87.2	86.5	84.3	80.8
52.5°	38.3	36.1	36.1	36.9	36.9	35.4	36.1	36.1	35.4	34.7	34.7
55°	6.4	7.1	7.1	7.1	7.1	6.4	6.4	7.1	7.8	7.1	7.1
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°	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4
2.5°	39.7	34.7	29.1	24.1	19.1	16.3	14.9	15.6
5°	67.3	51.0	33.3	21.3	14.9	11.3	9.2	8.5
7.5°	103.5	70.2	37.6	18.4	11.3	5.7	3.5	2.8
10°	158.8	91.4	40.4	15.6	7.1	1.4	0.0	0.0
12.5°	407.5	112.0	41.1	12.8	2.8	0.0	0.0	0.0
15°	837.8	170.8	39.7	9.2	0.7	0.0	0.0	0.0
17.5°	1392.7	261.5	34.7	6.4	0.0	0.0	0.0	0.0
20°	1932.1	323.9	27.6	2.8	0.0	0.0	0.0	0.0
21°	2094.4	342.3	24.8	2.1	0.0	0.0	0.0	0.0
22°	2227.0	355.8	22.0	1.4	0.0	0.0	0.0	0.0
23°	2337.5	362.9	19.1	0.7	0.0	0.0	0.0	0.0
24°	2414.8	364.3	17.7	0.7	0.0	0.0	0.0	0.0
25°	2451.6	359.3	15.6	0.0	0.0	0.0	0.0	0.0
26°	2465.8	349.4	14.2	0.0	0.0	0.0	0.0	0.0
27°	2455.2	336.7	12.8	0.0	0.0	0.0	0.0	0.0
28°	2436.1	317.5	10.6	0.0	0.0	0.0	0.0	0.0
29°	2398.5	292.0	9.2	0.0	0.0	0.0	0.0	0.0
30°	2362.3	265.8	7.8	0.0	0.0	0.0	0.0	0.0
31°	2321.2	242.4	6.4	0.0	0.0	0.0	0.0	0.0
32°	2270.9	215.5	5.0	0.0	0.0	0.0	0.0	0.0
33°	2187.3	190.7	3.5	0.0	0.0	0.0	0.0	0.0
34°	2070.3	167.3	2.8	0.0	0.0	0.0	0.0	0.0
35°	1913.7	142.5	2.1	0.0	0.0	0.0	0.0	0.0
36°	1742.2	116.2	1.4	0.0	0.0	0.0	0.0	0.0
37°	1532.4	84.3	1.4	0.0	0.0	0.0	0.0	0.0
38°	1313.4	53.2	0.7	0.0	0.0	0.0	0.0	0.0
39°	1089.4	40.4	0.7	0.0	0.0	0.0	0.0	0.0
40°	884.5	34.7	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	473.5	23.4	0.0	0.0	0.0	0.0	0.0	0.0
45°	279.3	14.2	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	155.9	5.7	0.0	0.0	0.0	0.0	0.0	0.0
50°	56.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	7.8	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	1.4	0.0	0.0	0.0	0.0
65°	0.0	0.0	1.4	1.4	0.7	0.0	0.0	0.0
67.5°	0.0	0.7	1.4	1.4	0.7	0.0	0.0	0.0
70°	0.0	0.7	1.4	1.4	0.7	0.0	0.0	0.0
72.5°	0.0	0.7	1.4	2.1	0.7	0.0	0.0	0.0
75°	0.0	0.7	1.4	2.1	0.7	0.0	0.0	0.0
77.5°	0.0	0.7	1.4	2.1	0.7	0.0	0.0	0.0
80°	0.0	0.7	1.4	2.1	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	1.4	2.1	0.7	0.0	0.0	0.0
85°	0.0	0.7	1.4	2.1	0.7	0.0	0.0	0.0
87.5°	0.0	0.7	1.4	2.1	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)