

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: P1306700

Luminaire Tested: P3SQAS09R259027DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306700
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: P3SQAS09R259027DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

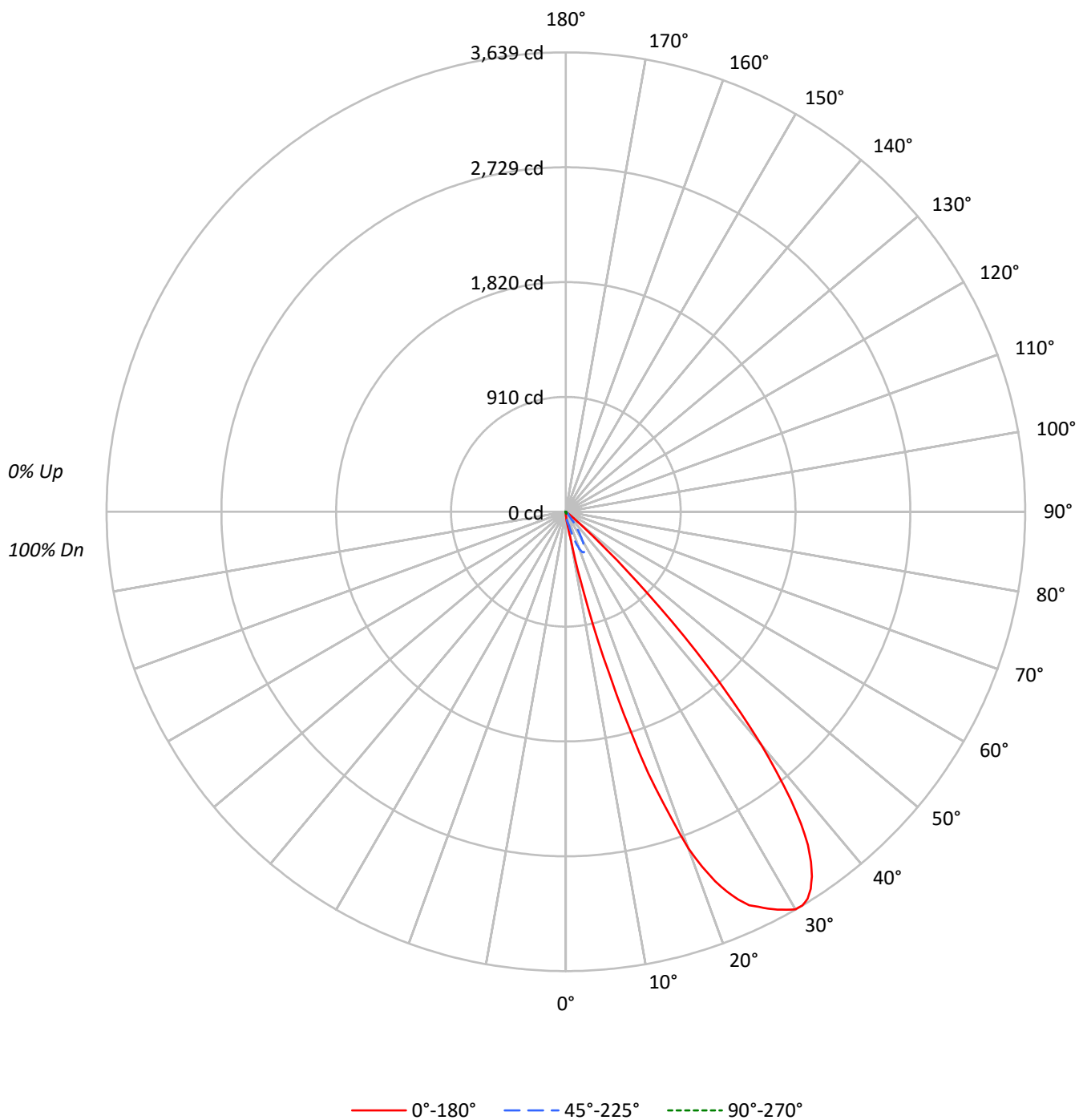
Lumens per Lamp: N/A
Luminaire Lumens: 713.0 lumens
Efficiency: N/A
Efficacy: 64.2 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	56
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51
8	70	59	52	47	69	58	52	47	57	51	47	56	51	46	55	50	46
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3875	3875	3875	3875	3875
5°	12153	8506	3544	1884	1418
10°	38334	15407	2623	245	0
15°	237065	29348	1587	0	0
20°	519788	57200	495	0	0
25°	653407	65787	0	0	0
30°	723314	50929	0	0	0
35°	712016	28867	0	0	0
40°	541211	7531	0	0	0
45°	219228	3337	0	0	0
50°	24328	375	0	0	0
55°	1832	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	1331	0	0
80°	0	694	1984	0	0
85°	0	1383	3952	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 219228 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.5	0.5
10°-20°	73.6	10.3
20°-30°	257.4	36.1
30°-40°	287.2	40.3
40°-50°	86.7	12.2
50°-60°	2.9	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°	334.6	46.9
0°-40°	621.8	87.2
0°-60°	711.4	99.8
0°-90°	713.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	713.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	22	22	22	22	22	
5°	70	49	20	11	8	11
15°	1330	165	9	0	0	442
25°	3438	346	0	0	0	1569
35°	3387	137	0	0	0	2033
45°	900	14	0	0	0	777
55°	6	0	1	0	0	19
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°	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
2.5°	38.9	40.3	39.6	40.3	39.6	39.6	39.6	40.3	39.6	39.6	39.6
5°	70.3	71.0	71.0	70.3	70.3	71.7	70.3	71.0	69.0	70.3	69.7
7.5°	115.4	114.0	114.0	114.7	114.7	113.4	112.7	111.3	112.7	112.7	110.6
10°	219.2	217.8	214.4	213.1	214.4	214.4	207.6	209.0	209.7	203.5	201.5
12.5°	644.0	639.2	648.8	633.7	624.9	610.5	618.7	590.7	584.6	580.5	570.9
15°	1329.6	1365.8	1350.1	1351.5	1354.2	1320.1	1331.7	1289.3	1253.8	1242.9	1235.4
17.5°	2168.2	2179.2	2164.8	2158.0	2155.3	2138.9	2119.1	2097.9	2070.6	2046.7	2026.9
20°	2836.1	2827.9	2803.4	2806.1	2776.7	2761.7	2744.6	2723.5	2702.3	2667.5	2634.0
21°	3012.3	2988.4	2989.1	2972.7	2972.0	2952.9	2922.9	2901.0	2881.9	2842.3	2821.1
22°	3157.1	3151.6	3139.3	3127.1	3114.1	3104.5	3071.1	3060.1	3021.2	2988.4	2958.4
23°	3269.8	3271.8	3260.9	3252.7	3235.0	3230.9	3187.8	3172.8	3146.2	3096.3	3065.6
24°	3363.3	3359.9	3347.6	3333.3	3323.1	3313.5	3280.7	3256.1	3226.8	3185.8	3155.7
25°	3438.5	3430.3	3422.1	3411.1	3394.8	3383.8	3350.4	3323.1	3297.8	3252.0	3211.1
26°	3482.9	3484.9	3471.9	3463.7	3449.4	3438.5	3403.6	3371.5	3340.1	3291.0	3254.1
27°	3527.9	3525.9	3514.3	3502.0	3487.0	3482.9	3442.6	3409.1	3377.0	3325.1	3281.4
28°	3569.6	3564.1	3554.6	3540.2	3523.8	3511.5	3472.6	3437.8	3403.0	3347.6	3299.8
29°	3604.4	3598.9	3592.8	3574.4	3553.2	3545.0	3503.3	3461.0	3426.2	3369.5	3319.0
30°	3637.2	3626.9	3612.6	3596.9	3576.4	3560.7	3517.0	3480.1	3439.1	3376.3	3327.8
31°	3638.6	3624.9	3614.7	3598.3	3575.0	3555.9	3510.2	3472.6	3424.8	3366.1	3313.5
32°	3614.7	3607.8	3591.4	3573.7	3551.1	3532.0	3481.5	3441.9	3396.8	3334.0	3281.4
33°	3560.7	3553.9	3544.3	3525.9	3496.5	3478.8	3433.7	3390.0	3345.6	3288.9	3228.8
34°	3486.3	3478.1	3465.8	3447.3	3417.3	3398.9	3362.7	3317.6	3270.5	3211.7	3155.7
35°	3386.6	3370.9	3367.4	3340.1	3312.1	3307.3	3264.3	3217.2	3169.4	3104.5	3056.0
36°	3263.0	3244.5	3232.2	3222.7	3204.2	3181.7	3139.3	3101.8	3040.3	2998.7	2930.4
37°	3094.3	3071.7	3083.4	3057.4	3028.7	3019.2	2965.2	2931.1	2879.2	2822.5	2764.4
38°	2897.6	2895.5	2892.8	2881.2	2832.0	2806.8	2784.2	2748.0	2703.0	2634.7	2556.1
39°	2649.0	2653.1	2638.8	2640.1	2615.6	2590.3	2558.9	2517.9	2463.3	2401.1	2337.6
40°	2407.3	2349.2	2359.5	2324.6	2326.7	2289.1	2248.1	2212.0	2177.1	2122.5	2035.8
42.5°	1665.6	1656.7	1626.0	1604.2	1613.7	1565.2	1511.3	1460.8	1412.3	1350.8	1275.0
45°	900.1	879.6	885.7	850.2	850.2	828.4	813.3	771.0	725.9	697.9	654.2
47.5°	334.6	338.7	346.2	331.9	315.5	325.1	310.7	310.7	303.2	294.3	282.0
50°	90.8	92.2	90.8	90.8	88.8	87.4	84.7	84.0	83.3	81.3	77.9
52.5°	36.9	34.8	34.8	35.5	35.5	34.1	34.8	34.8	34.1	33.5	33.5
55°	6.1	6.8	6.8	6.8	6.8	6.1	6.1	6.8	7.5	6.8	6.8
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°	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
2.5°	38.2	33.5	28.0	23.2	18.4	15.7	14.3	15.0
5°	64.9	49.2	32.1	20.5	14.3	10.9	8.9	8.2
7.5°	99.7	67.6	36.2	17.8	10.9	5.5	3.4	2.7
10°	153.0	88.1	38.9	15.0	6.8	1.4	0.0	0.0
12.5°	392.7	107.9	39.6	12.3	2.7	0.0	0.0	0.0
15°	807.2	164.6	38.2	8.9	0.7	0.0	0.0	0.0
17.5°	1341.9	252.0	33.5	6.1	0.0	0.0	0.0	0.0
20°	1861.6	312.1	26.6	2.7	0.0	0.0	0.0	0.0
21°	2018.0	329.8	23.9	2.0	0.0	0.0	0.0	0.0
22°	2145.7	342.8	21.2	1.4	0.0	0.0	0.0	0.0
23°	2252.2	349.7	18.4	0.7	0.0	0.0	0.0	0.0
24°	2326.7	351.0	17.1	0.7	0.0	0.0	0.0	0.0
25°	2362.2	346.2	15.0	0.0	0.0	0.0	0.0	0.0
26°	2375.9	336.7	13.7	0.0	0.0	0.0	0.0	0.0
27°	2365.6	324.4	12.3	0.0	0.0	0.0	0.0	0.0
28°	2347.2	305.9	10.2	0.0	0.0	0.0	0.0	0.0
29°	2311.0	281.4	8.9	0.0	0.0	0.0	0.0	0.0
30°	2276.1	256.1	7.5	0.0	0.0	0.0	0.0	0.0
31°	2236.5	233.6	6.1	0.0	0.0	0.0	0.0	0.0
32°	2188.1	207.6	4.8	0.0	0.0	0.0	0.0	0.0
33°	2107.5	183.7	3.4	0.0	0.0	0.0	0.0	0.0
34°	1994.8	161.2	2.7	0.0	0.0	0.0	0.0	0.0
35°	1843.9	137.3	2.0	0.0	0.0	0.0	0.0	0.0
36°	1678.6	112.0	1.4	0.0	0.0	0.0	0.0	0.0
37°	1476.5	81.3	1.4	0.0	0.0	0.0	0.0	0.0
38°	1265.4	51.2	0.7	0.0	0.0	0.0	0.0	0.0
39°	1049.6	38.9	0.7	0.0	0.0	0.0	0.0	0.0
40°	852.3	33.5	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	456.2	22.5	0.0	0.0	0.0	0.0	0.0	0.0
45°	269.1	13.7	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	150.2	5.5	0.0	0.0	0.0	0.0	0.0	0.0
50°	54.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	21.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	7.5	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	2.0	0.7	0.0	0.0	0.0
75°	0.0	0.7	1.4	2.0	0.7	0.0	0.0	0.0
77.5°	0.0	0.7	1.4	2.0	0.7	0.0	0.0	0.0
80°	0.0	0.7	1.4	2.0	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	2.0	0.7	0.0	0.0	0.0
85°	0.0	0.7	1.4	2.0	0.7	0.0	0.0	0.0
87.5°	0.0	0.7	1.4	2.0	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)