

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: P1311131

Luminaire Tested: P3SQAS09R259050DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311131
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: P3SQAS09R259050DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

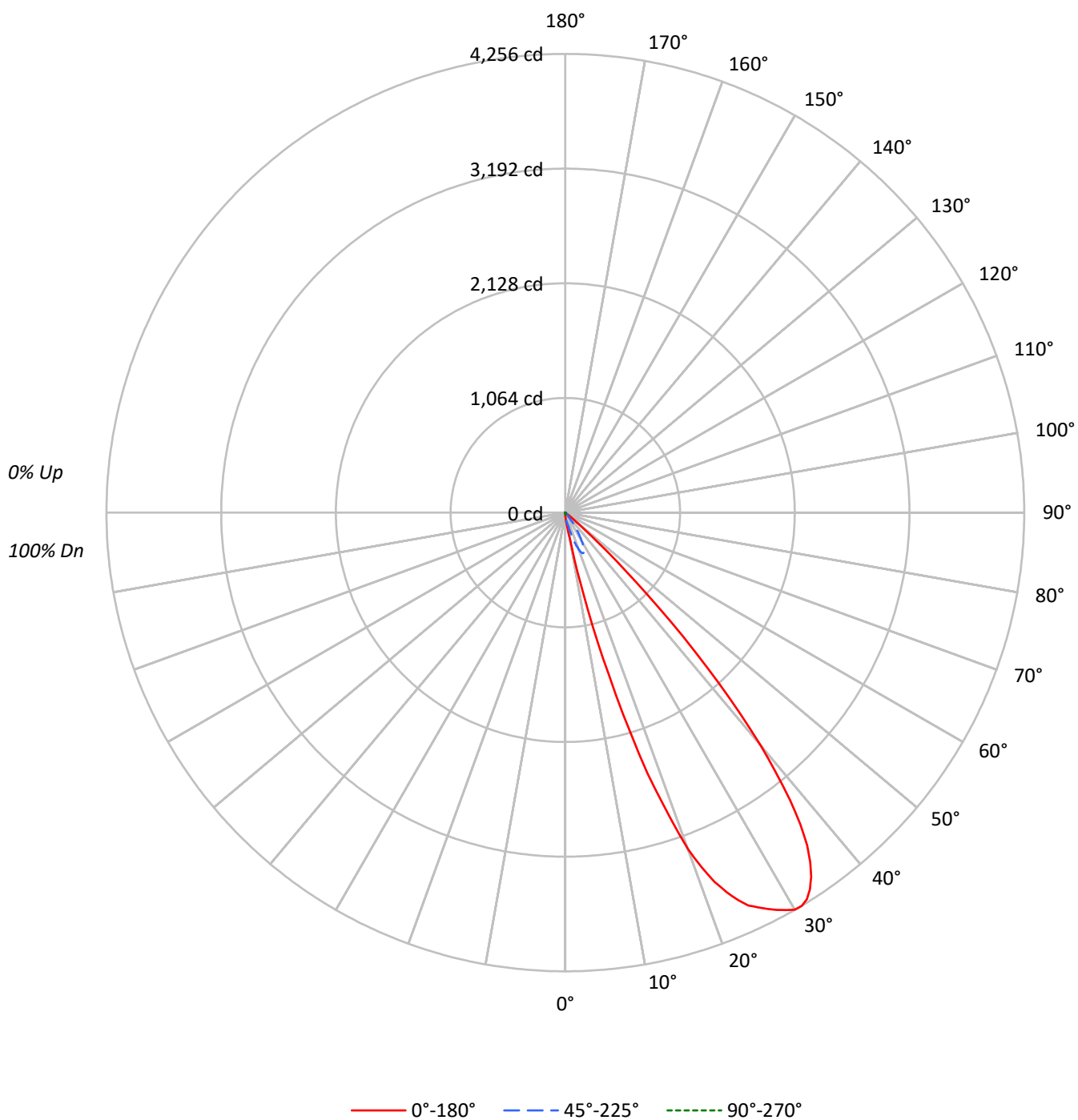
Lumens per Lamp: N/A
Luminaire Lumens: 834.0 lumens
Efficiency: N/A
Efficacy: 75.1 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	4547	4547	4547	4547	4547
5°	14228	9941	4149	2213	1660
10°	44839	18013	3078	280	0
15°	277307	34322	1854	0	0
20°	607998	66914	586	0	0
25°	764287	76961	0	0	0
30°	846054	59580	0	0	0
35°	832844	33765	0	0	0
40°	633050	8790	0	0	0
45°	256420	3897	0	0	0
50°	28454	429	0	0	0
55°	2162	0	240	0	0
60°	0	0	276	0	0
65°	0	0	652	0	0
70°	0	403	806	0	0
75°	0	532	1597	0	0
80°	0	793	2380	0	0
85°	0	1581	4742	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 256420 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.1	0.5
10°-20°	86.1	10.3
20°-30°	301.1	36.1
30°-40°	335.9	40.3
40°-50°	101.5	12.2
50°-60°	3.4	0.4
60°-70°	0.4	0.1
70°-80°	0.7	0.1
80°-90°	0.7	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°	391.4	46.9
0°-40°	727.3	87.2
0°-60°	832.2	99.8
0°-90°	834.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	834.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	26	26	26	26	26	
5°	82	58	24	13	10	13
15°	1555	192	10	0	0	517
25°	4022	405	0	0	0	1835
35°	3961	161	0	0	0	2378
45°	1053	16	0	0	0	909
55°	7	0	1	0	0	22
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°	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4
2.5°	45.5	47.1	46.3	47.1	46.3	46.3	46.3	47.1	46.3	46.3	46.3
5°	82.3	83.1	83.1	82.3	82.3	83.9	82.3	83.1	80.7	82.3	81.5
7.5°	135.0	133.4	133.4	134.2	134.2	132.6	131.8	130.2	131.8	131.8	129.4
10°	256.4	254.8	250.8	249.2	250.8	250.8	242.8	244.4	245.2	238.0	235.6
12.5°	753.3	747.7	758.9	741.3	730.9	714.1	723.7	691.0	683.8	679.0	667.8
15°	1555.3	1597.6	1579.2	1580.8	1584.0	1544.1	1557.7	1508.1	1466.6	1453.8	1445.0
17.5°	2536.2	2549.0	2532.2	2524.2	2521.0	2501.9	2478.7	2453.9	2422.0	2394.0	2370.9
20°	3317.4	3307.9	3279.1	3282.3	3247.9	3230.4	3210.4	3185.6	3160.9	3120.1	3081.0
21°	3523.5	3495.6	3496.4	3477.2	3476.4	3454.0	3418.9	3393.3	3371.0	3324.6	3299.9
22°	3692.9	3686.5	3672.1	3657.7	3642.6	3631.4	3592.2	3579.5	3533.9	3495.6	3460.4
23°	3824.7	3827.1	3814.3	3804.7	3783.9	3779.2	3728.8	3711.3	3680.1	3621.8	3585.8
24°	3934.1	3930.1	3915.8	3899.0	3887.0	3875.8	3837.5	3808.7	3774.4	3726.4	3691.3
25°	4022.0	4012.4	4002.8	3990.0	3970.9	3958.1	3918.9	3887.0	3857.4	3803.9	3756.0
26°	4073.9	4076.3	4061.1	4051.5	4034.8	4022.0	3981.3	3943.7	3907.0	3849.4	3806.3
27°	4126.6	4124.2	4110.7	4096.3	4078.7	4073.9	4026.8	3987.6	3950.1	3889.4	3838.3
28°	4175.4	4169.0	4157.8	4141.0	4121.8	4107.5	4061.9	4021.2	3980.5	3915.8	3859.8
29°	4216.1	4209.7	4202.5	4181.0	4156.2	4146.6	4097.9	4048.4	4007.6	3941.3	3882.2
30°	4254.4	4242.5	4225.7	4207.3	4183.4	4165.0	4113.9	4070.7	4022.8	3949.3	3892.6
31°	4256.0	4240.1	4228.1	4208.9	4181.8	4159.4	4105.9	4061.9	4006.0	3937.3	3875.8
32°	4228.1	4220.1	4200.9	4180.2	4153.8	4131.4	4072.3	4026.0	3973.3	3899.8	3838.3
33°	4165.0	4157.0	4145.8	4124.2	4089.9	4069.1	4016.4	3965.3	3913.4	3847.1	3776.8
34°	4077.9	4068.3	4053.9	4032.4	3997.2	3975.7	3933.3	3880.6	3825.5	3756.8	3691.3
35°	3961.3	3942.9	3938.9	3907.0	3874.2	3868.6	3818.3	3763.2	3707.3	3631.4	3574.7
36°	3816.7	3795.1	3780.8	3769.6	3748.0	3721.6	3672.1	3628.2	3556.3	3507.6	3427.7
37°	3619.4	3593.0	3606.6	3576.3	3542.7	3531.5	3468.4	3428.5	3367.8	3301.5	3233.6
38°	3389.3	3386.9	3383.7	3370.2	3312.7	3283.1	3256.7	3214.4	3161.7	3081.8	2989.9
39°	3098.6	3103.4	3086.6	3088.2	3059.4	3029.9	2993.1	2945.2	2881.3	2808.6	2734.3
40°	2815.8	2747.9	2759.9	2719.1	2721.5	2677.6	2629.7	2587.3	2546.6	2482.7	2381.2
42.5°	1948.3	1937.9	1902.0	1876.4	1887.6	1830.9	1767.8	1708.6	1651.9	1580.0	1491.4
45°	1052.8	1028.9	1036.1	994.5	994.5	969.0	951.4	901.9	849.1	816.4	765.3
47.5°	391.4	396.2	405.0	388.2	369.0	380.2	363.5	363.5	354.7	344.3	329.9
50°	106.2	107.8	106.2	106.2	103.8	102.2	99.1	98.3	97.5	95.1	91.1
52.5°	43.1	40.7	40.7	41.5	41.5	39.9	40.7	40.7	39.9	39.1	39.1
55°	7.2	8.0	8.0	8.0	8.0	7.2	7.2	8.0	8.8	8.0	8.0
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°	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4
2.5°	44.7	39.1	32.8	27.2	21.6	18.4	16.8	17.6
5°	75.9	57.5	37.5	24.0	16.8	12.8	10.4	9.6
7.5°	116.6	79.1	42.3	20.8	12.8	6.4	4.0	3.2
10°	178.9	103.0	45.5	17.6	8.0	1.6	0.0	0.0
12.5°	459.3	126.2	46.3	14.4	3.2	0.0	0.0	0.0
15°	944.2	192.5	44.7	10.4	0.8	0.0	0.0	0.0
17.5°	1569.7	294.8	39.1	7.2	0.0	0.0	0.0	0.0
20°	2177.5	365.1	31.2	3.2	0.0	0.0	0.0	0.0
21°	2360.5	385.8	28.0	2.4	0.0	0.0	0.0	0.0
22°	2509.9	401.0	24.8	1.6	0.0	0.0	0.0	0.0
23°	2634.5	409.0	21.6	0.8	0.0	0.0	0.0	0.0
24°	2721.5	410.6	20.0	0.8	0.0	0.0	0.0	0.0
25°	2763.1	405.0	17.6	0.0	0.0	0.0	0.0	0.0
26°	2779.0	393.8	16.0	0.0	0.0	0.0	0.0	0.0
27°	2767.1	379.4	14.4	0.0	0.0	0.0	0.0	0.0
28°	2745.5	357.9	12.0	0.0	0.0	0.0	0.0	0.0
29°	2703.2	329.1	10.4	0.0	0.0	0.0	0.0	0.0
30°	2662.4	299.6	8.8	0.0	0.0	0.0	0.0	0.0
31°	2616.1	273.2	7.2	0.0	0.0	0.0	0.0	0.0
32°	2559.4	242.8	5.6	0.0	0.0	0.0	0.0	0.0
33°	2465.1	214.9	4.0	0.0	0.0	0.0	0.0	0.0
34°	2333.3	188.5	3.2	0.0	0.0	0.0	0.0	0.0
35°	2156.8	160.6	2.4	0.0	0.0	0.0	0.0	0.0
36°	1963.5	131.0	1.6	0.0	0.0	0.0	0.0	0.0
37°	1727.0	95.1	1.6	0.0	0.0	0.0	0.0	0.0
38°	1480.2	59.9	0.8	0.0	0.0	0.0	0.0	0.0
39°	1227.8	45.5	0.8	0.0	0.0	0.0	0.0	0.0
40°	996.9	39.1	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	533.6	26.4	0.0	0.0	0.0	0.0	0.0	0.0
45°	314.7	16.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	175.7	6.4	0.0	0.0	0.0	0.0	0.0	0.0
50°	63.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	24.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	8.8	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	1.6	0.0	0.0	0.0	0.0
65°	0.0	0.0	1.6	1.6	0.8	0.0	0.0	0.0
67.5°	0.0	0.8	1.6	1.6	0.8	0.0	0.0	0.0
70°	0.0	0.8	1.6	1.6	0.8	0.0	0.0	0.0
72.5°	0.0	0.8	1.6	2.4	0.8	0.0	0.0	0.0
75°	0.0	0.8	1.6	2.4	0.8	0.0	0.0	0.0
77.5°	0.0	0.8	1.6	2.4	0.8	0.0	0.0	0.0
80°	0.0	0.8	1.6	2.4	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	1.6	2.4	0.8	0.0	0.0	0.0
85°	0.0	0.8	1.6	2.4	0.8	0.0	0.0	0.0
87.5°	0.0	0.8	1.6	2.4	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)