

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: P1314193

Luminaire Tested: P3SQAS09R259735DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314193
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: P3SQAS09R259735DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

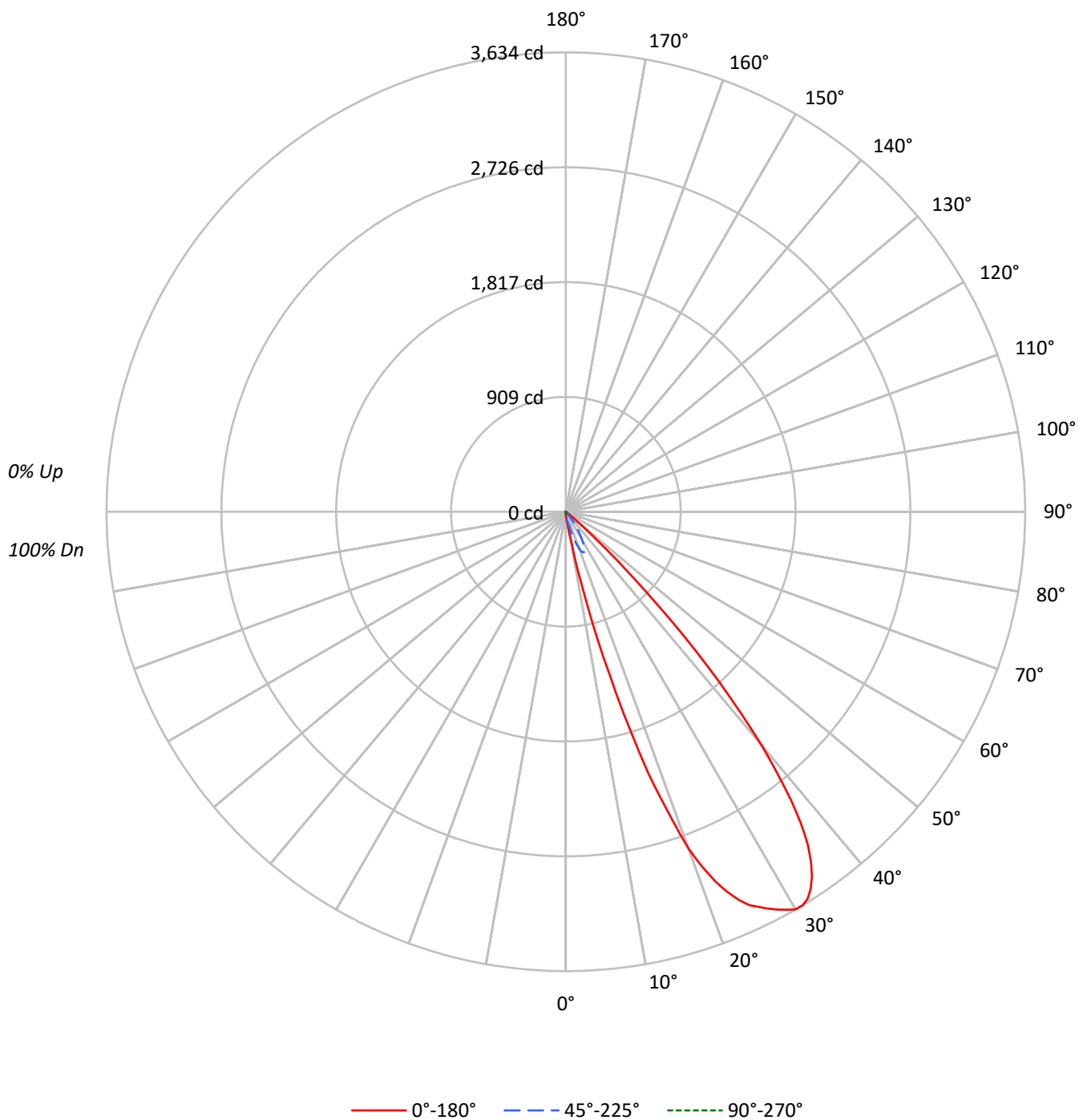
Lumens per Lamp: N/A
Luminaire Lumens: 712.0 lumens
Efficiency: N/A
Efficacy: 64.1 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1314193

CATALOG NUMBER: P3SQAS09R259735DE010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1314193

CATALOG NUMBER: P3SQAS09R259735DE010 E3SQCA301MMS

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°	3875	3875	3875	3875	3875
5°	12136	8488	3544	1884	1418
10°	38281	15389	2623	245	0
15°	236744	29312	1587	0	0
20°	519073	57127	495	0	0
25°	652476	65711	0	0	0
30°	722300	50850	0	0	0
35°	711007	28825	0	0	0
40°	540446	7509	0	0	0
45°	218911	3312	0	0	0
50°	24301	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: 218911 cd/sqm

TEST NUMBER: P1314193

CATALOG NUMBER: P3SQAS09R259735DE010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.5	0.5
10°-20°	73.5	10.3
20°-30°	257.1	36.1
30°-40°	286.8	40.3
40°-50°	86.6	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°	334.1	46.9
0°-40°	620.9	87.2
0°-60°	710.4	99.8
0°-90°	712.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	712.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	22	22	22	22	22	
5°	70	49	20	11	8	11
15°	1328	164	9	0	0	441
25°	3434	346	0	0	0	1566
35°	3382	137	0	0	0	2030
45°	899	14	0	0	0	776
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	

TEST NUMBER: P1314193

CATALOG NUMBER: P3SQAS09R259735DE010 E3SQCA301MMS

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	40.2	39.6	40.2	39.6	39.6	39.6	40.2	39.6	39.6	39.6
5°	70.2	70.9	70.9	70.2	70.2	71.6	70.2	70.9	68.9	70.2	69.6
7.5°	115.3	113.9	113.9	114.6	114.6	113.2	112.5	111.2	112.5	112.5	110.5
10°	218.9	217.5	214.1	212.8	214.1	214.1	207.3	208.7	209.4	203.2	201.2
12.5°	643.1	638.3	647.9	632.9	624.0	609.7	617.9	589.9	583.8	579.7	570.1
15°	1327.8	1363.9	1348.2	1349.6	1352.3	1318.2	1329.8	1287.5	1252.1	1241.2	1233.7
17.5°	2165.2	2176.1	2161.8	2155.0	2152.2	2135.9	2116.1	2095.0	2067.7	2043.8	2024.0
20°	2832.2	2824.0	2799.4	2802.2	2772.8	2757.8	2740.8	2719.6	2698.5	2663.7	2630.3
21°	3008.1	2984.2	2984.9	2968.5	2967.9	2948.8	2918.8	2896.9	2877.8	2838.3	2817.2
22°	3152.7	3147.2	3134.9	3122.7	3109.7	3100.2	3066.8	3055.8	3017.0	2984.2	2954.2
23°	3265.2	3267.2	3256.3	3248.2	3230.4	3226.3	3183.4	3168.4	3141.8	3092.0	3061.3
24°	3358.6	3355.2	3342.9	3328.6	3318.4	3308.8	3276.1	3251.6	3222.2	3181.3	3151.3
25°	3433.6	3425.5	3417.3	3406.4	3390.0	3379.1	3345.7	3318.4	3293.2	3247.5	3206.6
26°	3478.0	3480.0	3467.1	3458.9	3444.6	3433.6	3398.9	3366.8	3335.4	3286.3	3249.5
27°	3523.0	3520.9	3509.3	3497.1	3482.1	3478.0	3437.7	3404.3	3372.3	3320.4	3276.8
28°	3564.6	3559.1	3549.6	3535.3	3518.9	3506.6	3467.7	3433.0	3398.2	3342.9	3295.2
29°	3599.4	3593.9	3587.8	3569.4	3548.2	3540.0	3498.4	3456.1	3421.4	3364.8	3314.3
30°	3632.1	3621.9	3607.5	3591.9	3571.4	3555.7	3512.1	3475.2	3434.3	3371.6	3323.2
31°	3633.5	3619.8	3609.6	3593.2	3570.0	3550.9	3505.2	3467.7	3420.0	3361.4	3308.8
32°	3609.6	3602.8	3586.4	3568.7	3546.2	3527.1	3476.6	3437.1	3392.0	3329.3	3276.8
33°	3555.7	3548.9	3539.3	3520.9	3491.6	3473.9	3428.9	3385.2	3340.9	3284.3	3224.3
34°	3481.4	3473.2	3460.9	3442.5	3412.5	3394.1	3357.9	3312.9	3265.9	3207.2	3151.3
35°	3381.8	3366.1	3362.7	3335.4	3307.5	3302.7	3259.7	3212.7	3165.0	3100.2	3051.7
36°	3258.4	3240.0	3227.7	3218.1	3199.7	3177.2	3134.9	3097.4	3036.1	2994.5	2926.3
37°	3089.9	3067.4	3079.0	3053.1	3024.5	3014.9	2961.0	2927.0	2875.1	2818.5	2760.6
38°	2893.5	2891.5	2888.8	2877.2	2828.1	2802.8	2780.3	2744.2	2699.2	2631.0	2552.6
39°	2645.3	2649.4	2635.1	2636.4	2611.9	2586.7	2555.3	2514.4	2459.8	2397.8	2334.3
40°	2403.9	2345.9	2356.2	2321.4	2323.4	2285.9	2245.0	2208.9	2174.1	2119.5	2032.9
42.5°	1663.3	1654.4	1623.7	1601.9	1611.5	1563.0	1509.2	1458.7	1410.3	1348.9	1273.2
45°	898.8	878.4	884.5	849.0	849.0	827.2	812.2	769.9	724.9	697.0	653.3
47.5°	334.2	338.2	345.8	331.4	315.1	324.6	310.3	310.3	302.8	293.9	281.6
50°	90.7	92.1	90.7	90.7	88.7	87.3	84.6	83.9	83.2	81.2	77.7
52.5°	36.8	34.8	34.8	35.5	35.5	34.1	34.8	34.8	34.1	33.4	33.4
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



TEST NUMBER: P1314193

CATALOG NUMBER: P3SQAS09R259735DE010 E3SQCA301MMS

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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CATALOG NUMBER: P3SQAS09R259735DE010 E3SQCA301MMS

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	33.4	28.0	23.2	18.4	15.7	14.3	15.0
5°	64.8	49.1	32.1	20.5	14.3	10.9	8.9	8.2
7.5°	99.6	67.5	36.1	17.7	10.9	5.5	3.4	2.7
10°	152.8	88.0	38.9	15.0	6.8	1.4	0.0	0.0
12.5°	392.1	107.7	39.6	12.3	2.7	0.0	0.0	0.0
15°	806.1	164.4	38.2	8.9	0.7	0.0	0.0	0.0
17.5°	1340.0	251.6	33.4	6.1	0.0	0.0	0.0	0.0
20°	1859.0	311.7	26.6	2.7	0.0	0.0	0.0	0.0
21°	2015.2	329.4	23.9	2.0	0.0	0.0	0.0	0.0
22°	2142.7	342.3	21.1	1.4	0.0	0.0	0.0	0.0
23°	2249.1	349.2	18.4	0.7	0.0	0.0	0.0	0.0
24°	2323.4	350.5	17.0	0.7	0.0	0.0	0.0	0.0
25°	2358.9	345.8	15.0	0.0	0.0	0.0	0.0	0.0
26°	2372.5	336.2	13.6	0.0	0.0	0.0	0.0	0.0
27°	2362.3	323.9	12.3	0.0	0.0	0.0	0.0	0.0
28°	2343.9	305.5	10.2	0.0	0.0	0.0	0.0	0.0
29°	2307.7	281.0	8.9	0.0	0.0	0.0	0.0	0.0
30°	2273.0	255.7	7.5	0.0	0.0	0.0	0.0	0.0
31°	2233.4	233.2	6.1	0.0	0.0	0.0	0.0	0.0
32°	2185.0	207.3	4.8	0.0	0.0	0.0	0.0	0.0
33°	2104.5	183.4	3.4	0.0	0.0	0.0	0.0	0.0
34°	1992.0	160.9	2.7	0.0	0.0	0.0	0.0	0.0
35°	1841.3	137.1	2.0	0.0	0.0	0.0	0.0	0.0
36°	1676.2	111.8	1.4	0.0	0.0	0.0	0.0	0.0
37°	1474.4	81.2	1.4	0.0	0.0	0.0	0.0	0.0
38°	1263.7	51.1	0.7	0.0	0.0	0.0	0.0	0.0
39°	1048.2	38.9	0.7	0.0	0.0	0.0	0.0	0.0
40°	851.1	33.4	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	455.5	22.5	0.0	0.0	0.0	0.0	0.0	0.0
45°	268.7	13.6	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	150.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0
50°	53.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	21.1	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)