

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: P1309121

Luminaire Tested: P3SQAS13R309035DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309121
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R309035DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

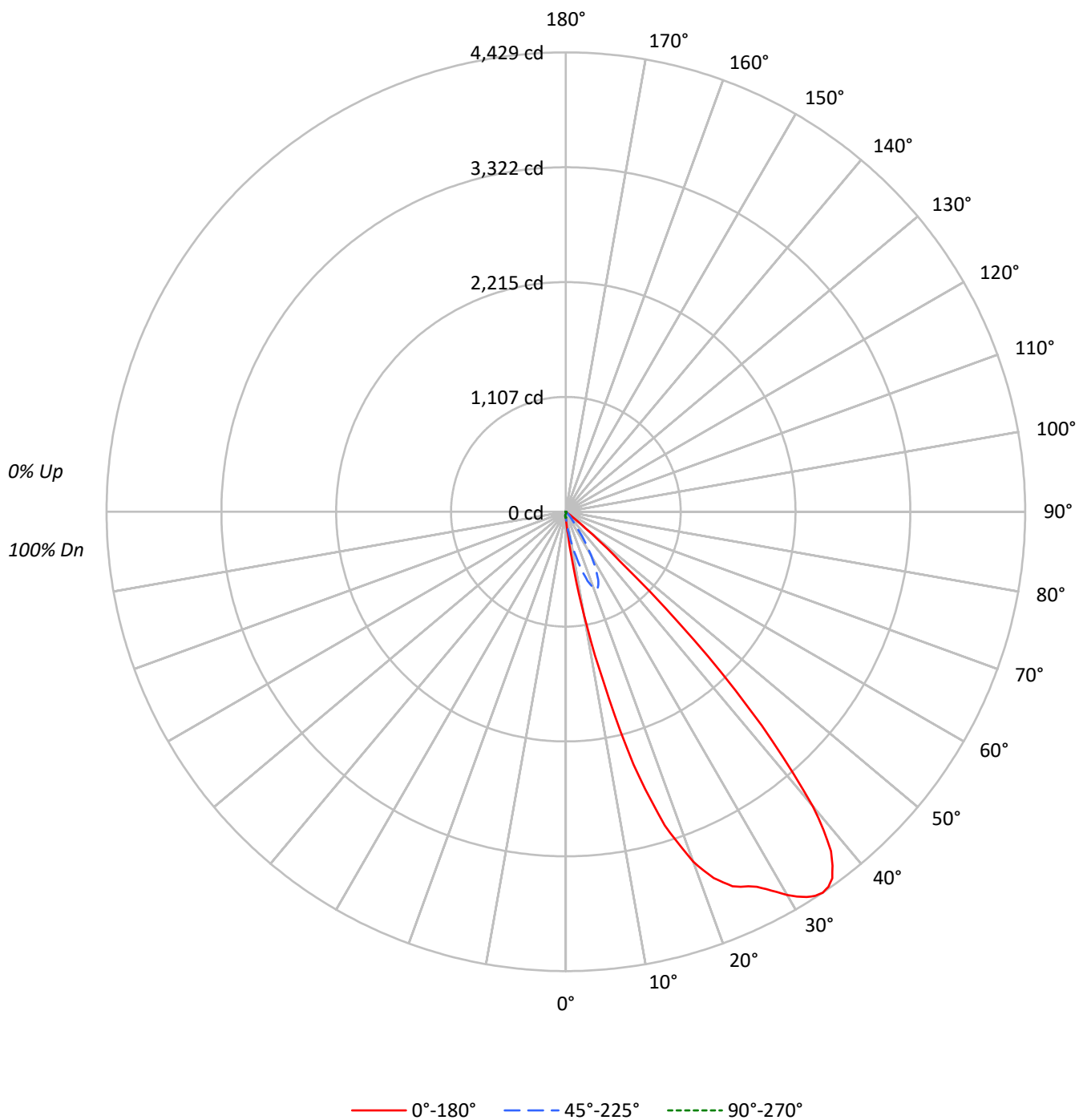
Lumens per Lamp: N/A
Luminaire Lumens: 1066.0 lumens
Efficiency: N/A
Efficacy: 73.0 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	9817	9817	9817	9817	9817
5°	35631	22129	8990	3630	2593
10°	176348	53006	6995	700	0
15°	449846	100952	4457	0	0
20°	657299	143560	1833	0	0
25°	758301	140867	380	0	0
30°	848679	96688	0	0	0
35°	928169	41650	0	0	0
40°	833051	16187	0	0	0
45°	425426	6576	0	0	0
50°	65670	804	0	0	0
55°	3903	0	300	0	0
60°	0	0	344	0	0
65°	0	0	815	0	0
70°	0	504	1007	0	0
75°	0	665	1996	0	0
80°	0	992	2975	0	0
85°	0	1976	5928	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 425426 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.9	1.1
10°-20°	142.0	13.3
20°-30°	351.0	32.9
30°-40°	403.7	37.9
40°-50°	149.7	14.0
50°-60°	5.4	0.5
60°-70°	0.5	0.0
70°-80°	0.9	0.1
80°-90°	0.8	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°	504.9	47.4
0°-40°	908.6	85.2
0°-60°	1063.8	99.8
0°-90°	1066.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1066.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	57	57	57	57	57	
5°	206	128	52	21	15	45
15°	2523	566	25	0	0	725
25°	3990	741	2	0	0	1844
35°	4415	198	0	0	0	2677
45°	1747	27	0	0	0	1360
55°	13	0	1	0	0	45
65°	0	0	2	0	0	0
75°	0	1	3	0	0	0
85°	0	1	3	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
2.5°	101.0	102.0	102.0	99.0	98.0	97.0	94.0	85.0	71.0	57.0	46.0
5°	206.1	207.1	207.1	201.1	189.1	177.1	167.1	128.0	82.0	52.0	34.0
7.5°	486.2	487.2	466.2	442.2	394.2	369.1	323.1	197.1	93.0	47.0	22.0
10°	1008.4	986.4	931.4	861.3	787.3	691.3	594.2	303.1	101.0	40.0	14.0
12.5°	1685.6	1664.6	1593.6	1493.6	1348.5	1160.4	976.4	426.2	102.0	32.0	8.0
15°	2523.0	2463.9	2378.9	2212.8	1998.8	1707.7	1403.5	566.2	98.0	25.0	2.0
17.5°	3172.2	3118.2	3010.2	2816.1	2550.0	2226.9	1853.7	699.3	87.0	16.0	0.0
20°	3586.4	3529.4	3428.3	3257.2	2974.1	2595.0	2167.8	783.3	72.0	10.0	0.0
21°	3704.4	3649.4	3550.4	3380.3	3098.2	2720.0	2244.9	801.3	65.0	8.0	0.0
22°	3808.5	3765.4	3673.4	3488.3	3201.2	2812.1	2322.9	803.3	60.0	6.0	0.0
23°	3881.5	3850.5	3758.4	3588.4	3302.3	2887.1	2364.9	791.3	54.0	4.0	0.0
24°	3951.5	3913.5	3834.5	3676.4	3382.3	2950.1	2402.9	769.3	48.0	3.0	0.0
25°	3990.5	3946.5	3885.5	3737.4	3448.3	2990.1	2425.9	741.3	42.0	2.0	0.0
26°	4017.5	3983.5	3916.5	3773.4	3476.3	3016.2	2428.9	700.3	38.0	1.0	0.0
27°	4058.6	4024.5	3959.5	3805.5	3488.3	3012.2	2410.9	653.3	33.0	0.0	0.0
28°	4120.6	4075.6	4010.5	3839.5	3493.3	2995.1	2370.9	602.2	28.0	0.0	0.0
29°	4191.6	4145.6	4074.6	3884.5	3494.3	2961.1	2307.9	546.2	25.0	0.0	0.0
30°	4267.6	4227.6	4155.6	3928.5	3505.3	2917.1	2234.9	486.2	20.0	0.0	0.0
31°	4327.7	4291.6	4214.6	3968.5	3514.3	2879.1	2144.8	426.2	17.0	0.0	0.0
32°	4379.7	4347.7	4252.6	3977.5	3496.3	2825.1	2048.8	368.1	14.0	0.0	0.0
33°	4415.7	4375.7	4264.6	3954.5	3444.3	2736.0	1941.7	313.1	11.0	0.0	0.0
34°	4428.7	4380.7	4246.6	3894.5	3339.3	2601.0	1802.7	256.1	9.0	0.0	0.0
35°	4414.7	4355.7	4181.6	3791.5	3197.2	2439.9	1635.6	198.1	7.0	0.0	0.0
36°	4369.7	4294.6	4088.6	3644.4	2994.1	2249.9	1468.6	154.1	5.0	0.0	0.0
37°	4272.6	4189.6	3929.5	3450.3	2793.1	2031.8	1278.5	120.0	3.0	0.0	0.0
38°	4153.6	4033.5	3717.4	3205.2	2533.0	1786.7	1090.4	99.0	2.0	0.0	0.0
39°	3950.5	3818.5	3465.3	2923.1	2277.9	1553.6	907.3	86.0	1.0	0.0	0.0
40°	3705.4	3548.4	3177.2	2621.0	1976.8	1309.5	757.3	72.0	1.0	0.0	0.0
42.5°	2795.1	2662.0	2262.9	1782.7	1208.5	772.3	420.2	47.0	0.0	0.0	0.0
45°	1746.7	1607.6	1337.5	977.4	654.3	400.2	202.1	27.0	0.0	0.0	0.0
47.5°	713.3	654.3	538.2	414.2	296.1	188.1	84.0	12.0	0.0	0.0	0.0
50°	245.1	218.1	183.1	134.1	95.0	65.0	44.0	3.0	0.0	0.0	0.0
52.5°	71.0	72.0	63.0	54.0	42.0	30.0	22.0	0.0	0.0	0.0	0.0
55°	13.0	11.0	13.0	12.0	13.0	11.0	8.0	0.0	0.0	1.0	0.0
57.5°	0.0	0.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	1.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	2.0	1.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	2.0	1.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	3.0	1.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	3.0	1.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	3.0	1.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	3.0	1.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	3.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	3.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	3.0	1.0
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):

	135°	157.5°	180°
0°	57.0	57.0	57.0
2.5°	37.0	33.0	31.0
5°	21.0	16.0	15.0
7.5°	11.0	7.0	6.0
10°	4.0	1.0	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.0	0.0	0.0
85°	0.0	0.0	0.0
87.5°	0.0	0.0	0.0
90°	0.0	0.0	0.0

(END OF REPORT)