

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: P1306885

Luminaire Tested: P3SQAS13R309027DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306885
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: P3SQAS13R309027DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

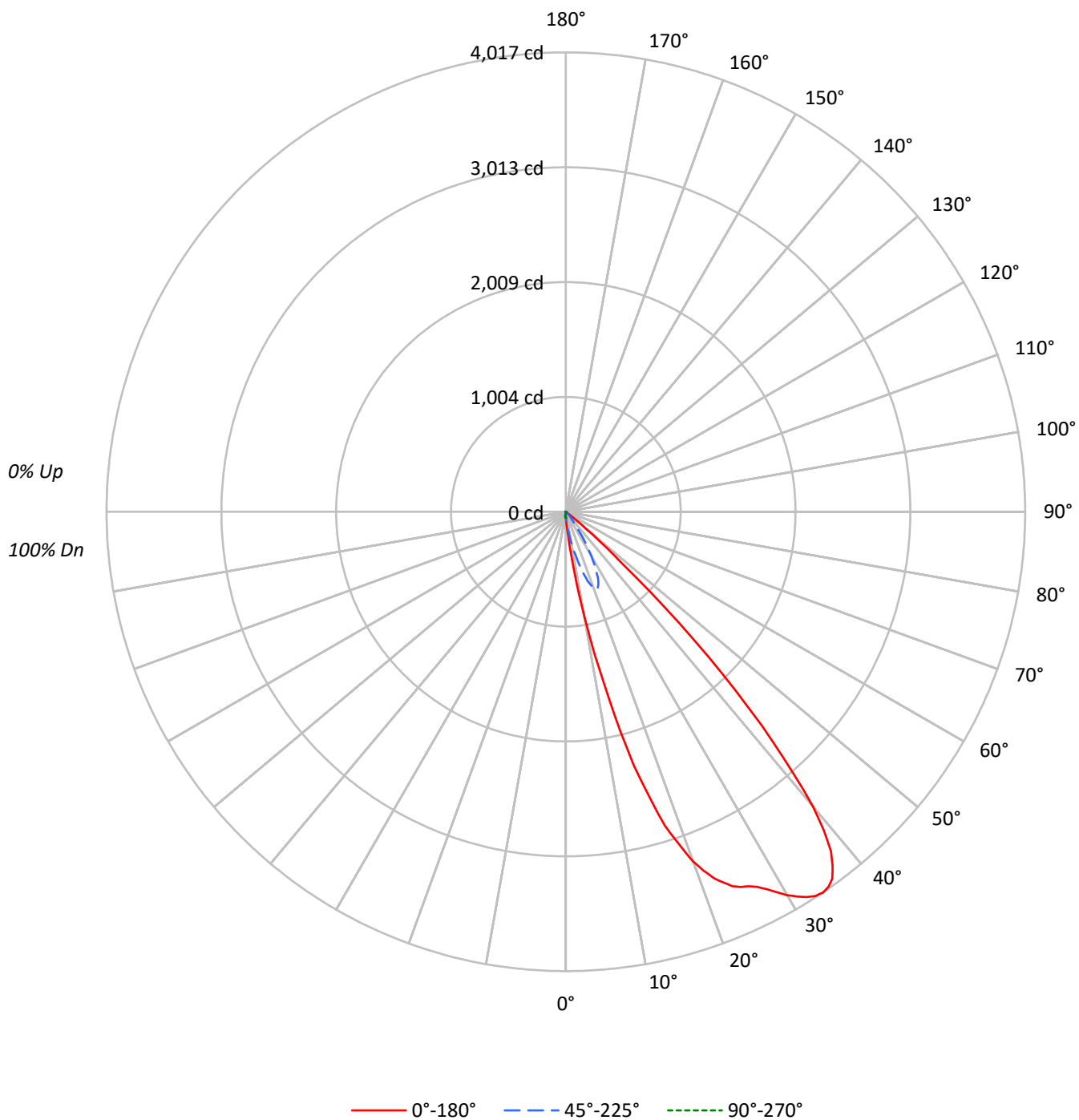
Lumens per Lamp: N/A
Luminaire Lumens: 967.0 lumens
Efficiency: N/A
Efficacy: 66.2 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			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	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°	8904	8904	8904	8904	8904
5°	32311	20089	8160	3302	2351
10°	159962	48092	6348	630	0
15°	408071	91574	4047	0	0
20°	596250	130236	1668	0	0
25°	687878	127774	342	0	0
30°	769868	87700	0	0	0
35°	841968	37781	0	0	0
40°	755690	14681	0	0	0
45°	385920	5967	0	0	0
50°	59561	723	0	0	0
55°	3543	0	270	0	0
60°	0	0	310	0	0
65°	0	0	734	0	0
70°	0	453	906	0	0
75°	0	599	1797	0	0
80°	0	893	2678	0	0
85°	0	1778	5335	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 385920 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.8	1.1
10°-20°	128.8	13.3
20°-30°	318.4	32.9
30°-40°	366.2	37.9
40°-50°	135.8	14.0
50°-60°	4.9	0.5
60°-70°	0.5	0.0
70°-80°	0.8	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°	458.0	47.4
0°-40°	824.2	85.2
0°-60°	965.0	99.8
0°-90°	967.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	967.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	52	52	52	52	52	
5°	187	116	47	19	14	41
15°	2289	514	23	0	0	658
25°	3620	672	2	0	0	1672
35°	4005	180	0	0	0	2428
45°	1584	24	0	0	0	1234
55°	12	0	1	0	0	40
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°	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
2.5°	91.7	92.6	92.6	89.8	88.9	88.0	85.3	77.1	64.4	51.7	41.7
5°	186.9	187.8	187.8	182.4	171.5	160.6	151.5	116.2	74.4	47.2	30.9
7.5°	441.0	441.9	422.9	401.1	357.5	334.9	293.1	178.8	84.4	42.7	20.0
10°	914.7	894.8	844.9	781.3	714.2	627.1	539.0	275.0	91.7	36.3	12.7
12.5°	1529.1	1510.0	1445.6	1354.9	1223.3	1052.7	885.7	386.6	92.6	29.0	7.3
15°	2288.7	2235.1	2158.0	2007.3	1813.1	1549.1	1273.2	513.6	88.9	22.7	1.8
17.5°	2877.6	2828.6	2730.6	2554.5	2313.2	2020.0	1681.6	634.3	79.0	14.5	0.0
20°	3253.3	3201.6	3109.9	2954.7	2697.9	2354.0	1966.5	710.6	65.3	9.1	0.0
21°	3360.4	3310.5	3220.6	3066.4	2810.5	2467.4	2036.4	726.9	59.0	7.3	0.0
22°	3454.8	3415.7	3332.3	3164.4	2903.9	2550.9	2107.2	728.7	54.4	5.4	0.0
23°	3521.0	3492.9	3409.4	3255.1	2995.6	2619.0	2145.3	717.8	49.0	3.6	0.0
24°	3584.5	3550.0	3478.4	3335.0	3068.2	2676.1	2179.8	697.8	43.6	2.7	0.0
25°	3619.9	3580.0	3524.6	3390.3	3128.1	2712.4	2200.6	672.4	38.1	1.8	0.0
26°	3644.4	3613.6	3552.8	3423.0	3153.5	2736.0	2203.4	635.2	34.5	0.9	0.0
27°	3681.6	3650.8	3591.8	3452.0	3164.4	2732.4	2187.0	592.6	29.9	0.0	0.0
28°	3737.9	3697.1	3638.1	3482.9	3168.9	2717.0	2150.7	546.3	25.4	0.0	0.0
29°	3802.3	3760.6	3696.2	3523.7	3169.8	2686.1	2093.5	495.5	22.7	0.0	0.0
30°	3871.3	3835.0	3769.7	3563.7	3179.8	2646.2	2027.3	441.0	18.1	0.0	0.0
31°	3925.7	3893.1	3823.2	3600.0	3188.0	2611.7	1945.6	386.6	15.4	0.0	0.0
32°	3972.9	3943.9	3857.7	3608.1	3171.6	2562.7	1858.5	334.0	12.7	0.0	0.0
33°	4005.6	3969.3	3868.6	3587.3	3124.4	2481.9	1761.4	284.0	10.0	0.0	0.0
34°	4017.4	3973.8	3852.2	3532.8	3029.2	2359.4	1635.3	232.3	8.2	0.0	0.0
35°	4004.7	3951.2	3793.3	3439.3	2900.3	2213.3	1483.7	179.7	6.4	0.0	0.0
36°	3963.9	3895.8	3708.9	3305.9	2716.1	2040.9	1332.2	139.8	4.5	0.0	0.0
37°	3875.8	3800.5	3564.6	3129.9	2533.7	1843.1	1159.8	108.9	2.7	0.0	0.0
38°	3767.8	3658.9	3372.2	2907.6	2297.7	1620.8	989.1	89.8	1.8	0.0	0.0
39°	3583.6	3463.8	3143.5	2651.6	2066.3	1409.3	823.1	78.0	0.9	0.0	0.0
40°	3361.3	3218.8	2882.1	2377.6	1793.2	1187.9	687.0	65.3	0.9	0.0	0.0
42.5°	2535.5	2414.8	2052.7	1617.1	1096.2	700.6	381.1	42.7	0.0	0.0	0.0
45°	1584.5	1458.3	1213.3	886.6	593.5	363.0	183.3	24.5	0.0	0.0	0.0
47.5°	647.0	593.5	488.2	375.7	268.6	170.6	76.2	10.9	0.0	0.0	0.0
50°	222.3	197.8	166.1	121.6	86.2	59.0	39.9	2.7	0.0	0.0	0.0
52.5°	64.4	65.3	57.2	49.0	38.1	27.2	20.0	0.0	0.0	0.0	0.0
55°	11.8	10.0	11.8	10.9	11.8	10.0	7.3	0.0	0.0	0.9	0.0
57.5°	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	0.9
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	1.8	0.9
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	1.8	0.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	2.7	0.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	2.7	0.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	2.7	0.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	2.7	0.9



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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	0.9	1.8	2.7	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	2.7	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	2.7	0.9
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°	51.7	51.7	51.7
2.5°	33.6	29.9	28.1
5°	19.1	14.5	13.6
7.5°	10.0	6.4	5.4
10°	3.6	0.9	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)