

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: P1314347

Luminaire Tested: P3SQAS13R209735DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314347
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-60)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R209735DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 97CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

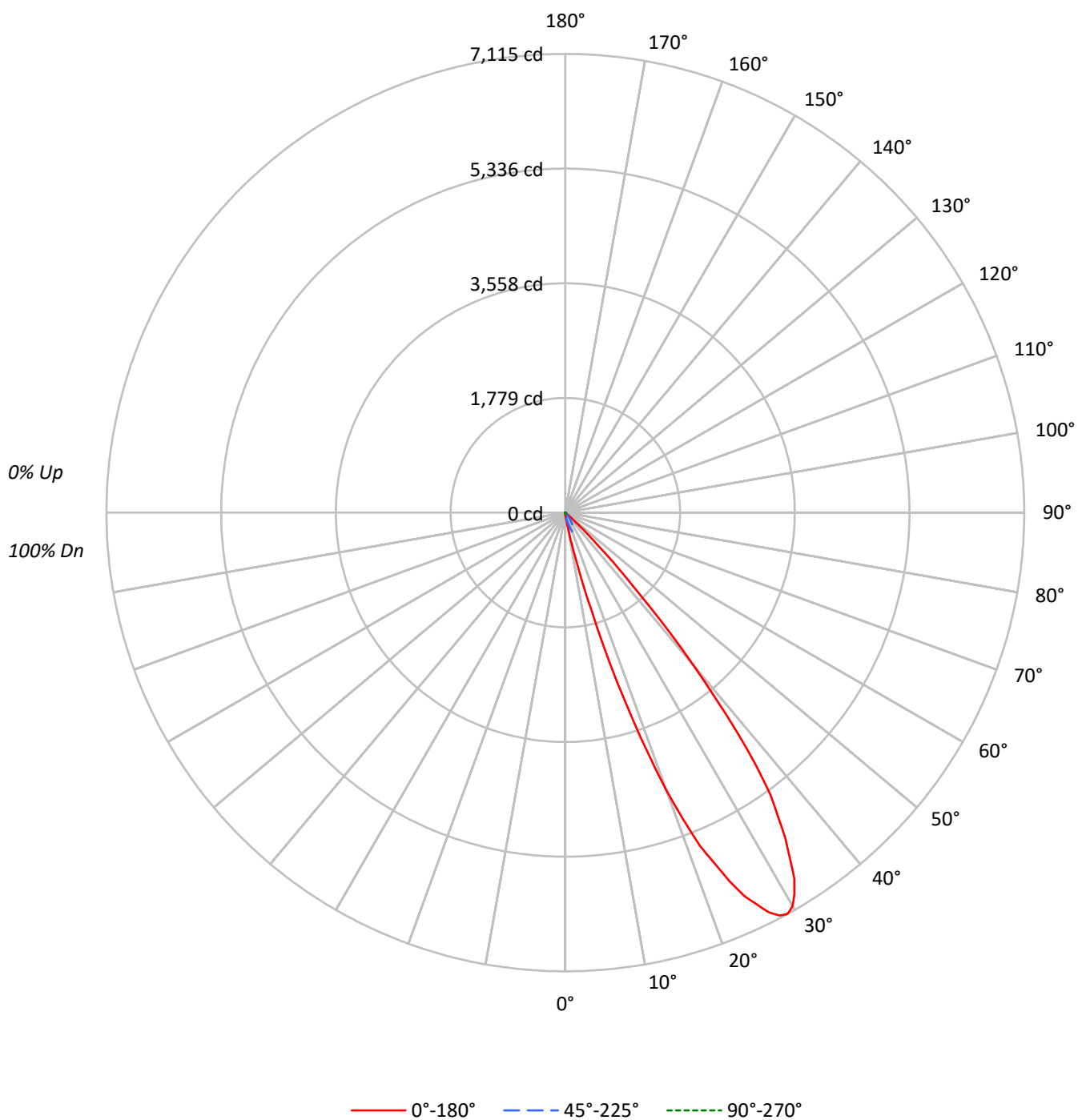
Lumens per Lamp: N/A
Luminaire Lumens: 997.9 lumens
Efficiency: N/A
Efficacy: 68.4 lumens/watt
Spacing Criteria (0/90/45): 2.3 / 0.53 / 1.19
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96
2	106	100	96	92	104	99	94	91	95	92	89		92	89	87		89
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83
4	93	84	78	73	91	83	77	72	81	76	71		79	74	71		77
5	87	77	70	65	85	76	70	65	74	69	64		72	68	64		71
6	81	71	64	59	80	70	63	58	68	62	58		67	62	58		65
7	76	65	58	53	74	64	57	53	63	57	52		62	56	52		60
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56
9	66	55	48	43	65	54	48	43	53	47	43		52	47	43		51
10	62	51	44	39	61	50	44	39	49	43	39		48	43	39		48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5924	5924	5924	5924	5924
5°	13623	10183	5636	3440	2974
10°	42915	17733	4599	1906	1417
15°	277984	32771	3388	642	160
20°	838999	56082	2328	0	0
25°	1246024	56609	1368	0	0
30°	1401207	43035	537	0	0
35°	1208972	25692	378	0	0
40°	696157	8746	0	0	0
45°	169810	3532	219	0	219
50°	20390	965	241	241	723
55°	2732	0	540	540	1081
60°	310	0	930	930	1550
65°	367	367	1467	1467	2201
70°	453	453	1813	1813	2266
75°	0	599	2396	1797	2396
80°	0	893	2678	1785	2678
85°	0	1778	5335	1778	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 2.5°

Vertical Angle: 45°

Luminance: 170906 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.6	0.5
10°-20°	92.5	9.3
20°-30°	403.1	40.4
30°-40°	406.0	40.7
40°-50°	81.4	8.2
50°-60°	4.1	0.4
60°-70°	2.7	0.3
70°-80°	2.4	0.2
80°-90°	1.2	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°	500.2	50.1
0°-40°	906.2	90.8
0°-60°	991.7	99.4
0°-90°	997.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	997.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	34	34	34	34	34	
5°	79	59	33	20	17	12
15°	1559	184	19	4	1	611
25°	6557	298	7	0	0	2957
35°	5750	122	2	0	0	3421
45°	697	14	1	0	1	759
55°	9	0	2	2	4	17
65°	1	1	4	4	5	1
75°	0	1	4	3	4	0
85°	0	1	3	1	1	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
2.5°	51.6	51.6	50.7	50.7	49.8	50.7	48.9	49.8	49.8	48.9	44.4
5°	78.8	80.6	79.7	79.7	78.8	79.7	77.9	76.1	74.2	74.2	58.9
7.5°	129.5	128.6	126.8	127.7	124.9	123.1	121.3	120.4	115.0	112.3	77.0
10°	245.4	250.8	246.3	245.4	229.1	228.2	217.3	201.9	188.3	181.1	101.4
12.5°	675.4	704.4	659.1	637.4	624.7	575.8	555.0	501.6	450.0	411.1	128.6
15°	1559.1	1630.7	1539.2	1545.6	1469.5	1330.1	1207.8	1102.8	978.8	853.8	183.8
17.5°	3054.9	2996.9	2947.2	2862.9	2708.1	2503.5	2240.0	1972.9	1742.0	1500.3	256.2
20°	4577.8	4526.2	4413.0	4229.2	4031.8	3728.5	3415.3	3014.2	2625.7	2261.7	306.0
21°	5102.1	5084.9	4899.2	4786.1	4481.8	4192.1	3830.8	3401.7	2964.4	2533.4	314.2
22°	5570.2	5466.9	5367.3	5199.8	4897.4	4582.3	4180.3	3728.5	3254.1	2775.1	315.1
23°	5894.3	5847.2	5753.1	5563.8	5263.2	4892.9	4469.2	3996.5	3496.7	2946.2	312.4
24°	6252.8	6193.1	6055.5	5834.5	5531.2	5165.4	4681.9	4212.9	3669.7	3090.2	305.1
25°	6557.1	6463.8	6300.8	6062.7	5731.3	5353.8	4867.6	4352.4	3790.1	3187.1	297.9
26°	6754.5	6703.7	6494.6	6235.6	5880.7	5491.4	4995.2	4459.2	3868.0	3231.5	286.1
27°	6960.0	6866.7	6661.2	6363.3	5978.5	5581.0	5067.6	4510.8	3895.1	3233.3	271.6
28°	7077.7	6976.3	6743.6	6430.3	6041.9	5630.8	5109.3	4527.1	3889.7	3205.2	254.4
29°	7114.8	6987.1	6759.9	6441.2	6057.3	5634.4	5103.0	4503.6	3841.7	3136.4	234.5
30°	7046.0	6915.6	6700.1	6389.6	6008.4	5589.2	5044.1	4425.7	3756.6	3037.7	216.4
31°	6895.7	6785.2	6577.0	6265.5	5899.7	5483.2	4911.0	4298.0	3611.7	2905.5	195.6
32°	6697.4	6588.8	6384.1	6102.5	5730.4	5310.3	4729.0	4098.8	3441.5	2708.1	174.7
33°	6399.5	6337.1	6153.3	5884.3	5512.2	5063.1	4484.6	3860.7	3198.9	2489.0	156.6
34°	6098.0	6019.2	5890.7	5596.4	5196.2	4748.0	4165.8	3532.1	2902.8	2243.6	139.4
35°	5750.3	5703.3	5501.3	5265.9	4863.9	4405.8	3827.2	3212.4	2557.8	1970.2	122.2
36°	5413.5	5341.1	5111.1	4862.1	4471.9	3976.6	3405.3	2827.6	2259.9	1714.0	104.1
37°	4924.6	4814.1	4650.3	4387.7	3931.3	3509.4	2987.9	2451.9	1893.2	1436.9	84.2
38°	4349.6	4298.0	4070.8	3806.4	3428.8	3028.6	2512.5	2058.0	1561.9	1199.7	64.3
39°	3671.5	3670.6	3453.3	3262.2	2892.8	2532.5	2067.1	1670.5	1289.3	966.1	49.8
40°	3096.5	2989.7	2855.7	2615.8	2332.4	2026.3	1618.9	1307.4	1000.5	778.7	38.9
42.5°	1623.4	1614.4	1535.6	1355.4	1197.0	1016.8	808.5	673.6	527.0	429.2	24.4
45°	697.2	701.7	647.4	620.2	558.6	483.5	408.3	340.4	291.5	236.3	14.5
47.5°	176.6	169.3	167.5	173.8	173.8	168.4	151.2	142.2	131.3	120.4	8.1
50°	76.1	74.2	72.4	72.4	67.9	65.2	60.7	55.2	50.7	45.3	3.6
52.5°	28.1	29.0	29.9	29.0	29.0	28.1	28.1	27.2	24.4	21.7	1.8
55°	9.1	9.1	9.1	10.0	10.0	10.9	10.9	10.9	10.9	10.0	0.0
57.5°	1.8	1.8	2.7	2.7	2.7	2.7	2.7	2.7	3.6	3.6	0.0
60°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
62.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
65°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
67.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
70°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
72.5°	0.9	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.0	0.9	0.0	0.9	0.9	0.0	0.9	0.9	0.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	34.4	34.4	34.4	34.4	34.4	34.4
2.5°	39.8	35.3	29.9	25.4	24.4	23.5
5°	44.4	32.6	24.4	19.9	18.1	17.2
7.5°	48.0	29.9	19.9	14.5	12.7	11.8
10°	49.8	26.3	16.3	10.9	8.1	8.1
12.5°	50.7	22.6	11.8	7.2	4.5	4.5
15°	49.8	19.0	9.1	3.6	0.9	0.9
17.5°	45.3	15.4	5.4	0.9	0.0	0.0
20°	38.9	12.7	3.6	0.0	0.0	0.0
21°	37.1	10.9	2.7	0.0	0.0	0.0
22°	34.4	10.0	1.8	0.0	0.0	0.0
23°	31.7	9.1	1.8	0.0	0.0	0.0
24°	29.0	8.1	0.9	0.0	0.0	0.0
25°	27.2	7.2	0.9	0.0	0.0	0.0
26°	25.4	6.3	0.9	0.0	0.0	0.0
27°	22.6	5.4	0.0	0.0	0.0	0.0
28°	20.8	4.5	0.0	0.0	0.0	0.0
29°	18.1	3.6	0.0	0.0	0.0	0.0
30°	15.4	2.7	0.0	0.0	0.0	0.0
31°	12.7	2.7	0.0	0.0	0.0	0.0
32°	10.9	1.8	0.0	0.0	0.0	0.0
33°	9.1	1.8	0.0	0.0	0.0	0.0
34°	8.1	1.8	0.0	0.0	0.0	0.0
35°	7.2	1.8	0.0	0.0	0.0	0.0
36°	5.4	0.9	0.0	0.0	0.0	0.0
37°	4.5	0.9	0.0	0.0	0.0	0.0
38°	3.6	0.9	0.0	0.0	0.0	0.0
39°	2.7	0.0	0.0	0.0	0.0	0.0
40°	2.7	0.0	0.0	0.0	0.0	0.0
42.5°	0.9	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.9	0.0	0.0	0.9	0.9
47.5°	0.0	0.9	0.0	0.0	0.9	1.8
50°	0.0	0.9	0.9	0.9	1.8	2.7
52.5°	0.0	1.8	0.9	0.9	2.7	2.7
55°	0.9	1.8	0.9	1.8	3.6	3.6
57.5°	0.9	1.8	1.8	2.7	3.6	4.5
60°	1.8	2.7	2.7	2.7	4.5	4.5
62.5°	1.8	2.7	3.6	3.6	4.5	5.4
65°	1.8	3.6	3.6	3.6	4.5	5.4
67.5°	2.7	3.6	3.6	3.6	4.5	5.4
70°	2.7	3.6	3.6	3.6	4.5	4.5
72.5°	2.7	3.6	2.7	3.6	3.6	4.5
75°	2.7	3.6	2.7	2.7	3.6	3.6
77.5°	1.8	2.7	2.7	1.8	2.7	2.7
80°	1.8	2.7	1.8	1.8	2.7	2.7



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	1.8	2.7	1.8	0.9	1.8	1.8
85°	1.8	2.7	1.8	0.9	0.9	0.9
87.5°	1.8	2.7	1.8	0.9	0.0	0.9
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)