

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: P1315449

Luminaire Tested: P3SQAS17R159740DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315449
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-59)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R159740DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

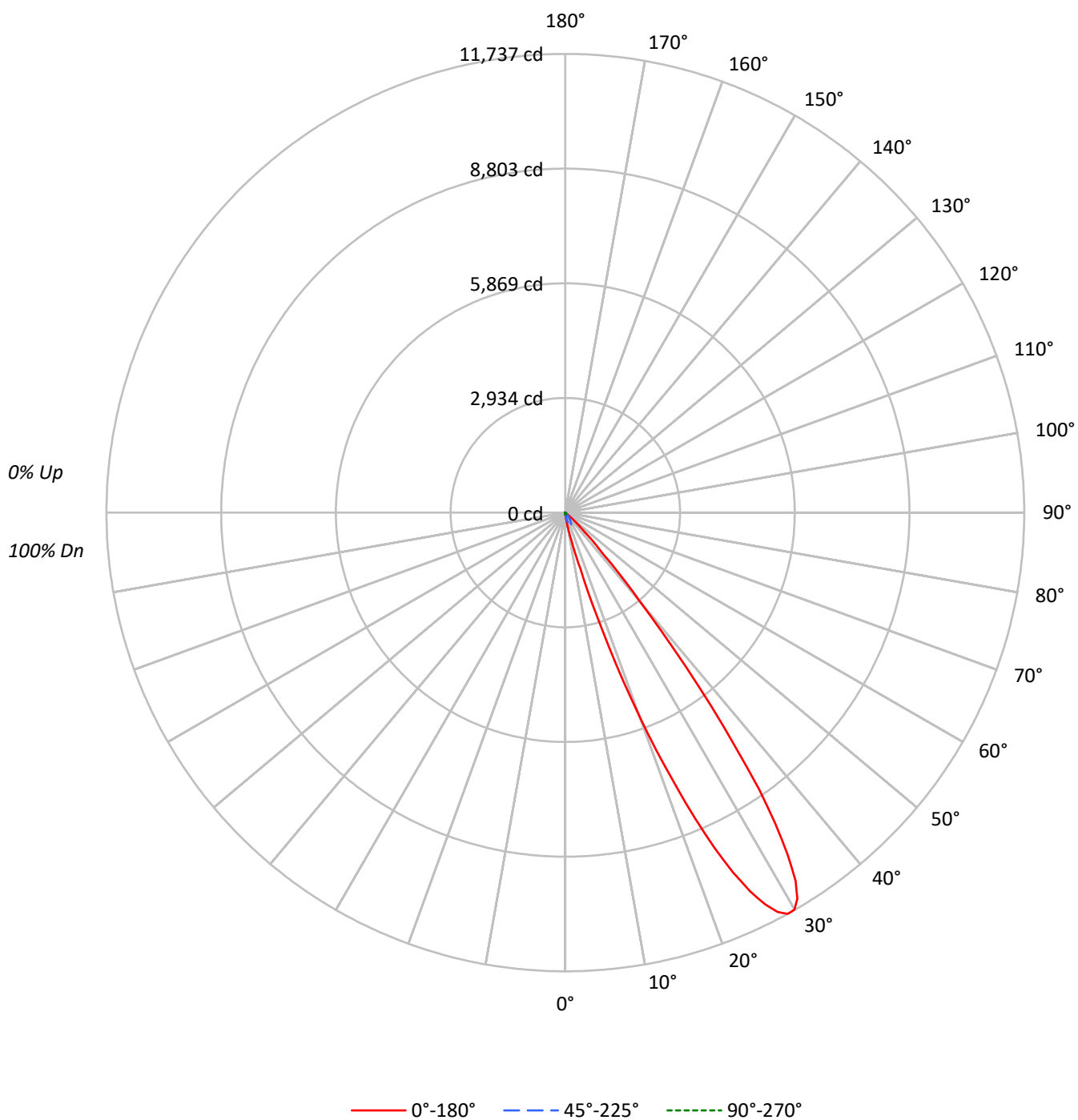
Lumens per Lamp: N/A
Luminaire Lumens: 1281.9 lumens
Efficiency: N/A
Efficacy: 60.5 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	99	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	79	74	70	77	73	70	68		
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63	61		
6	81	71	64	59	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	42	41		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	7302	7302	7302	7302	7302
5°	15732	11635	6898	3665	3025
10°	69794	22035	5456	1521	1084
15°	263935	50922	3780	660	446
20°	1015016	71771	2291	220	220
25°	1930158	67307	1178	0	0
30°	2331679	54310	497	0	0
35°	1818535	36961	252	0	0
40°	663626	18233	270	0	270
45°	170394	5456	292	0	609
50°	28722	670	322	322	991
55°	3753	0	751	1111	1862
60°	413	413	1274	1722	2583
65°	489	489	2038	2527	3056
70°	604	604	2518	2518	3122
75°	799	799	3327	2462	3327
80°	0	1190	3670	2479	3670
85°	0	2371	7311	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 170394 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.8	0.5
10°-20°	98.2	7.7
20°-30°	544.9	42.5
30°-40°	526.4	41.1
40°-50°	91.5	7.1
50°-60°	6.6	0.5
60°-70°	3.9	0.3
70°-80°	3.1	0.2
80°-90°	1.6	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°	648.9	50.6
0°-40°	1175.3	91.7
0°-60°	1273.4	99.3
0°-90°	1281.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1281.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	42	42	42	42	42	
5°	91	67	40	21	18	18
15°	1480	286	21	4	2	660
25°	10157	354	6	0	0	4542
35°	8650	176	1	0	0	4975
45°	700	22	1	0	2	751
55°	12	0	2	4	6	24
65°	1	1	5	6	8	1
75°	1	1	5	4	5	1
85°	0	1	4	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°	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
2.5°	62.4	59.9	61.1	61.1	61.1	61.1	61.1	58.6	58.6	59.9	53.6
5°	91.0	91.0	89.8	91.0	91.0	89.8	87.3	86.0	86.0	83.6	67.3
7.5°	182.1	179.6	179.6	177.1	164.6	160.9	158.4	152.1	140.9	138.4	87.3
10°	399.1	400.3	391.6	380.4	379.1	360.4	354.2	342.9	321.7	300.5	126.0
12.5°	724.5	708.3	687.1	688.4	652.2	639.7	611.1	579.9	547.5	513.8	207.0
15°	1480.3	1434.1	1461.6	1394.2	1318.1	1232.1	1144.8	1035.1	941.5	841.8	285.6
17.5°	3117.7	3162.6	3086.5	2798.4	2621.3	2413.1	2120.0	1836.9	1595.0	1400.5	349.2
20°	5538.2	5604.3	5346.2	5095.5	4665.3	4196.4	3707.5	3153.8	2623.8	2164.9	391.6
21°	6549.6	6509.7	6403.7	6002.1	5505.8	4962.1	4363.5	3752.4	3110.2	2514.1	395.3
22°	7527.3	7546.0	7299.1	6878.8	6362.5	5760.2	5029.4	4274.9	3582.8	2798.4	389.1
23°	8501.2	8561.1	8234.4	7840.3	7190.6	6510.9	5665.4	4851.1	3995.6	3123.9	376.6
24°	9402.9	9361.7	9141.0	8644.6	7950.0	7154.4	6276.5	5288.8	4334.8	3402.0	366.6
25°	10157.3	10152.3	9805.7	9323.0	8528.7	7647.0	6679.3	5646.7	4625.4	3590.3	354.2
26°	10774.6	10673.6	10400.5	9811.9	9027.5	8097.2	7009.7	5907.3	4788.7	3685.1	341.7
27°	11251.0	11178.7	10812.0	10199.7	9380.4	8351.6	7221.7	6037.0	4863.5	3716.2	325.5
28°	11571.5	11492.9	11102.6	10471.6	9575.0	8511.2	7334.0	6091.9	4863.5	3686.3	310.5
29°	11737.4	11630.1	11241.0	10565.1	9619.8	8529.9	7306.5	6038.3	4787.5	3594.0	293.1
30°	11724.9	11591.5	11183.7	10480.3	9486.4	8376.5	7153.2	5845.0	4615.4	3456.9	273.1
31°	11522.9	11373.2	10918.0	10193.5	9210.8	8087.2	6863.8	5585.6	4379.7	3278.5	253.2
32°	11112.6	10923.0	10479.1	9757.0	8786.8	7654.5	6443.6	5185.3	4026.8	3017.9	232.0
33°	10444.2	10253.4	9777.0	9099.8	8213.2	7105.8	5886.1	4755.1	3625.2	2707.4	214.5
34°	9607.4	9432.8	9022.5	8340.4	7489.9	6411.2	5245.1	4160.2	3208.7	2399.4	195.8
35°	8649.6	8371.5	7999.9	7459.9	6630.6	5545.7	4553.0	3606.5	2779.7	2076.4	175.8
36°	7353.9	7403.8	7009.7	6348.8	5661.7	4811.2	3858.4	3006.7	2324.5	1769.6	158.4
37°	6205.4	6126.8	5876.2	5364.9	4766.3	3922.0	3233.6	2549.0	1955.4	1496.5	139.7
38°	5005.7	5023.2	4777.5	4384.7	3791.1	3224.9	2602.6	2093.8	1636.1	1273.3	122.2
39°	3918.3	3904.6	3838.5	3474.3	2936.8	2565.2	2108.8	1735.9	1363.0	1073.7	103.5
40°	2951.8	2974.2	2819.6	2600.1	2287.1	1981.6	1679.8	1384.2	1127.3	905.4	81.1
42.5°	1435.4	1470.3	1368.0	1311.9	1173.5	1053.8	889.2	725.8	617.3	533.7	36.2
45°	699.6	679.6	670.9	643.5	611.1	546.2	483.9	415.3	362.9	313.0	22.4
47.5°	357.9	347.9	347.9	336.7	325.5	304.3	273.1	250.7	225.7	194.5	8.7
50°	107.2	106.0	104.8	106.0	102.3	106.0	108.5	109.7	99.8	98.5	2.5
52.5°	42.4	43.6	42.4	46.1	46.1	44.9	46.1	44.9	43.6	38.7	0.0
55°	12.5	12.5	12.5	12.5	12.5	12.5	13.7	15.0	13.7	15.0	0.0
57.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0
60°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	1.2
62.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
65°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
67.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
70°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2



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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	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
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°	42.4	42.4	42.4	42.4	42.4	42.4
2.5°	49.9	43.6	36.2	29.9	27.4	26.2
5°	53.6	39.9	27.4	21.2	18.7	17.5
7.5°	57.4	36.2	21.2	15.0	11.2	10.0
10°	59.9	31.2	16.2	8.7	6.2	6.2
12.5°	59.9	24.9	11.2	5.0	3.7	3.7
15°	58.6	21.2	7.5	3.7	2.5	2.5
17.5°	57.4	16.2	5.0	2.5	1.2	2.5
20°	53.6	12.5	2.5	1.2	1.2	1.2
21°	52.4	11.2	2.5	1.2	1.2	1.2
22°	49.9	10.0	1.2	0.0	1.2	1.2
23°	47.4	7.5	1.2	0.0	0.0	0.0
24°	43.6	6.2	1.2	0.0	0.0	0.0
25°	41.2	6.2	1.2	0.0	0.0	0.0
26°	38.7	3.7	0.0	0.0	0.0	0.0
27°	34.9	2.5	0.0	0.0	0.0	0.0
28°	32.4	2.5	0.0	0.0	0.0	0.0
29°	28.7	2.5	0.0	0.0	0.0	0.0
30°	24.9	2.5	0.0	0.0	0.0	0.0
31°	20.0	1.2	0.0	0.0	0.0	0.0
32°	16.2	1.2	0.0	0.0	0.0	0.0
33°	11.2	1.2	0.0	0.0	0.0	0.0
34°	7.5	1.2	0.0	0.0	0.0	0.0
35°	6.2	1.2	0.0	0.0	0.0	0.0
36°	3.7	1.2	0.0	0.0	0.0	1.2
37°	3.7	1.2	0.0	0.0	0.0	1.2
38°	2.5	1.2	0.0	0.0	0.0	1.2
39°	1.2	1.2	0.0	0.0	0.0	1.2
40°	1.2	1.2	0.0	0.0	0.0	1.2
42.5°	0.0	1.2	0.0	0.0	1.2	2.5
45°	0.0	1.2	0.0	0.0	1.2	2.5
47.5°	0.0	1.2	0.0	0.0	2.5	2.5
50°	0.0	1.2	1.2	1.2	2.5	3.7
52.5°	0.0	2.5	1.2	2.5	3.7	5.0
55°	1.2	2.5	2.5	3.7	5.0	6.2
57.5°	1.2	3.7	3.7	5.0	6.2	6.2
60°	2.5	3.7	5.0	5.0	7.5	7.5
62.5°	2.5	5.0	5.0	5.0	7.5	7.5
65°	2.5	5.0	5.0	6.2	7.5	7.5
67.5°	2.5	5.0	5.0	5.0	6.2	7.5
70°	2.5	5.0	3.7	5.0	6.2	6.2
72.5°	2.5	5.0	3.7	3.7	5.0	6.2
75°	2.5	5.0	3.7	3.7	5.0	5.0
77.5°	2.5	3.7	3.7	2.5	3.7	3.7
80°	2.5	3.7	2.5	2.5	3.7	3.7



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	2.5	3.7	2.5	1.2	2.5	2.5
85°	2.5	3.7	2.5	1.2	1.2	1.2
87.5°	2.5	3.7	1.2	0.0	0.0	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)