

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: P1306686

Luminaire Tested: P3SQAS09R209027DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306686
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: P3SQAS09R209027DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

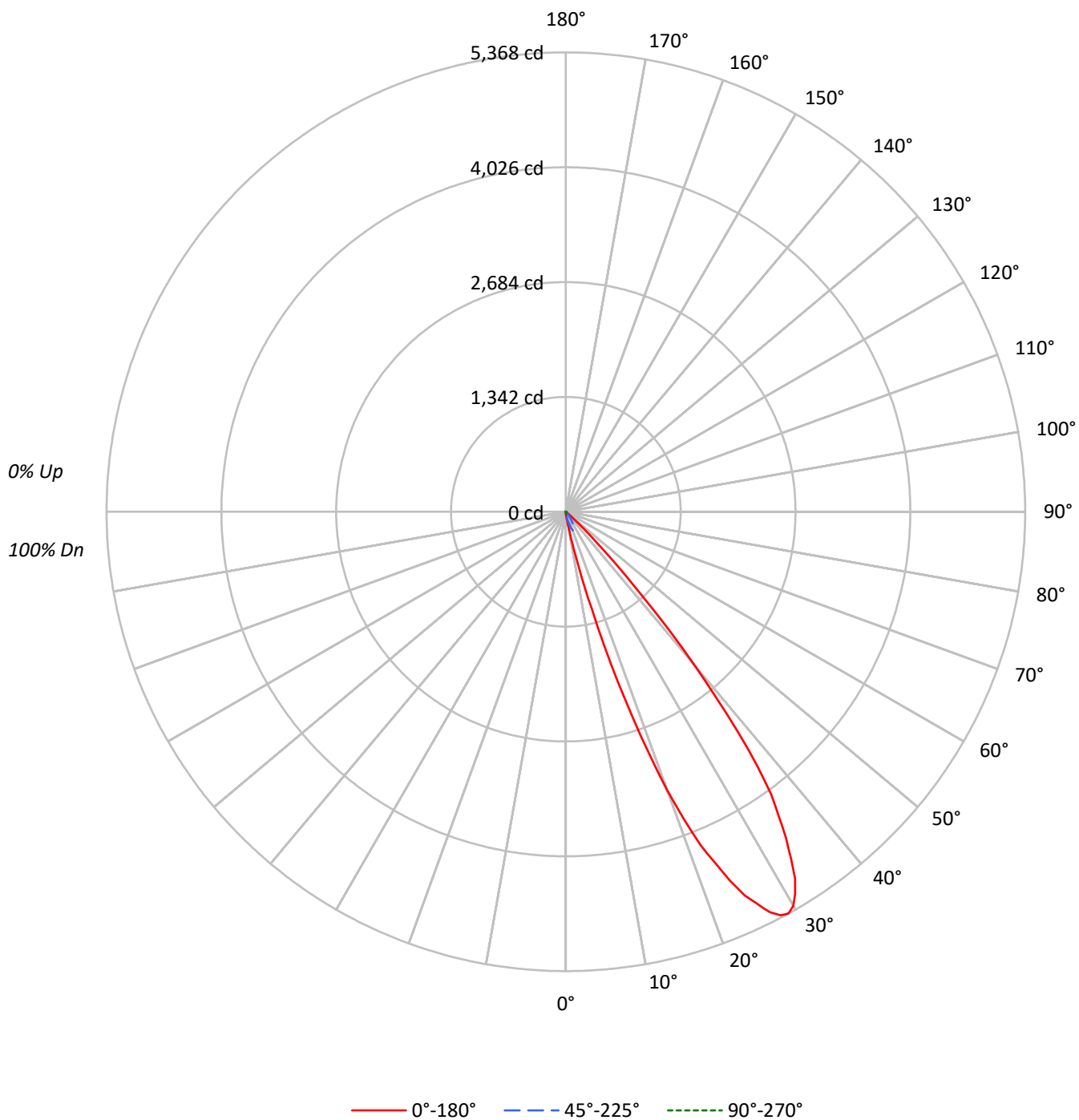
Lumens per Lamp: N/A
Luminaire Lumens: 753.0 lumens
Efficiency: N/A
Efficacy: 67.8 lumens/watt
Spacing Criteria (0/90/45): 2.29 / 0.53 / 1.19
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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	76	71	79	74	71	77	73	70	68		
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	61		
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	62	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	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4478	4478	4478	4478	4478
5°	10269	7676	4253	2593	2247
10°	32370	13378	3463	1434	1067
15°	209750	24730	2550	481	125
20°	633034	42318	1759	0	0
25°	940138	42718	1045	0	0
30°	1057229	32475	398	0	0
35°	912190	19385	294	0	0
40°	525271	6610	0	0	0
45°	128112	2655	170	0	170
50°	15379	723	188	188	536
55°	2042	0	420	420	811
60°	241	0	689	689	1171
65°	285	285	1100	1100	1671
70°	352	352	1360	1360	1712
75°	0	466	1797	1331	1797
80°	0	694	1984	1389	1984
85°	0	1383	3952	1383	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 2.5°

Vertical Angle: 45°

Luminance: 128940 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.5	0.5
10°-20°	69.8	9.3
20°-30°	304.2	40.4
30°-40°	306.3	40.7
40°-50°	61.4	8.2
50°-60°	3.1	0.4
60°-70°	2.0	0.3
70°-80°	1.8	0.2
80°-90°	0.9	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°	377.4	50.1
0°-40°	683.7	90.8
0°-60°	748.3	99.4
0°-90°	753.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	753.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	26	26	26	26	26	
5°	59	44	25	15	13	9
15°	1176	139	14	3	1	461
25°	4947	225	6	0	0	2231
35°	4339	92	1	0	0	2582
45°	526	11	1	0	1	573
55°	7	0	1	1	3	13
65°	1	1	3	3	4	1
75°	0	1	3	2	3	0
85°	0	1	2	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°	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
2.5°	38.9	38.9	38.3	38.3	37.6	38.3	36.9	37.6	37.6	36.9	33.5
5°	59.4	60.8	60.1	60.1	59.4	60.1	58.8	57.4	56.0	56.0	44.4
7.5°	97.7	97.0	95.6	96.3	94.3	92.9	91.5	90.9	86.8	84.7	58.1
10°	185.1	189.2	185.8	185.1	172.8	172.2	164.0	152.3	142.1	136.6	76.5
12.5°	509.6	531.5	497.3	480.9	471.4	434.5	418.8	378.5	339.5	310.1	97.0
15°	1176.4	1230.4	1161.4	1166.1	1108.8	1003.5	911.3	832.1	738.5	644.2	138.7
17.5°	2304.9	2261.2	2223.7	2160.1	2043.3	1888.9	1690.1	1488.6	1314.4	1132.0	193.3
20°	3454.0	3415.1	3329.7	3191.0	3042.1	2813.2	2576.8	2274.2	1981.1	1706.5	230.9
21°	3849.5	3836.6	3696.5	3611.1	3381.6	3163.0	2890.4	2566.6	2236.6	1911.5	237.1
22°	4202.7	4124.9	4049.7	3923.3	3695.2	3457.4	3154.1	2813.2	2455.2	2093.9	237.7
23°	4447.3	4411.8	4340.7	4198.0	3971.1	3691.7	3372.0	3015.4	2638.3	2223.0	235.7
24°	4717.8	4672.7	4568.9	4402.2	4173.4	3897.4	3532.6	3178.7	2768.8	2331.6	230.2
25°	4947.4	4877.0	4754.0	4574.4	4324.3	4039.5	3672.6	3283.9	2859.7	2404.7	224.8
26°	5096.3	5058.0	4900.2	4704.9	4437.1	4143.3	3768.9	3364.5	2918.4	2438.2	215.9
27°	5251.4	5181.0	5025.9	4801.2	4510.8	4210.9	3823.6	3403.5	2938.9	2439.5	204.9
28°	5340.2	5263.7	5088.1	4851.7	4558.7	4248.5	3855.0	3415.7	2934.8	2418.3	192.0
29°	5368.2	5271.9	5100.4	4859.9	4570.3	4251.2	3850.2	3398.0	2898.6	2366.4	176.9
30°	5316.3	5217.9	5055.3	4821.0	4533.4	4217.1	3805.8	3339.2	2834.4	2292.0	163.3
31°	5202.9	5119.5	4962.4	4727.4	4451.4	4137.2	3705.4	3242.9	2725.1	2192.2	147.6
32°	5053.3	4971.3	4816.9	4604.4	4323.7	4006.7	3568.1	3092.6	2596.7	2043.3	131.8
33°	4828.5	4781.4	4642.7	4439.8	4159.0	3820.2	3383.6	2912.9	2413.6	1878.0	118.2
34°	4601.0	4541.6	4444.6	4222.5	3920.6	3582.4	3143.2	2665.0	2190.2	1692.8	105.2
35°	4338.7	4303.2	4150.8	3973.2	3669.9	3324.2	2887.7	2423.8	1929.9	1486.5	92.2
36°	4084.6	4029.9	3856.4	3668.5	3374.1	3000.4	2569.3	2133.5	1705.1	1293.2	78.6
37°	3715.6	3632.3	3508.7	3310.5	2966.2	2647.9	2254.4	1850.0	1428.5	1084.2	63.5
38°	3281.9	3242.9	3071.4	2872.0	2587.1	2285.1	1895.7	1552.8	1178.4	905.2	48.5
39°	2770.2	2769.5	2605.5	2461.4	2182.7	1910.8	1559.6	1260.4	972.8	728.9	37.6
40°	2336.4	2255.8	2154.7	1973.6	1759.8	1528.9	1221.5	986.5	754.9	587.5	29.4
42.5°	1224.9	1218.1	1158.6	1022.7	903.1	767.2	610.1	508.3	397.6	323.8	18.4
45°	526.0	529.4	488.5	468.0	421.5	364.8	308.1	256.9	220.0	178.3	10.9
47.5°	133.2	127.7	126.4	131.2	131.2	127.1	114.1	107.3	99.1	90.9	6.1
50°	57.4	56.0	54.7	54.7	51.2	49.2	45.8	41.7	38.3	34.2	2.7
52.5°	21.2	21.9	22.5	21.9	21.9	21.2	21.2	20.5	18.4	16.4	1.4
55°	6.8	6.8	6.8	7.5	7.5	8.2	8.2	8.2	8.2	7.5	0.0
57.5°	1.4	1.4	2.0	2.0	2.0	2.0	2.0	2.0	2.7	2.7	0.0
60°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0
62.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
65°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
67.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
70°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
72.5°	0.7	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
75°	0.0	0.0	0.0	0.7	0.0	0.7	0.7	0.0	0.7	0.7	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7



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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	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
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°	26.0	26.0	26.0	26.0	26.0	26.0
2.5°	30.1	26.6	22.5	19.1	18.4	17.8
5°	33.5	24.6	18.4	15.0	13.7	13.0
7.5°	36.2	22.5	15.0	10.9	9.6	8.9
10°	37.6	19.8	12.3	8.2	6.1	6.1
12.5°	38.3	17.1	8.9	5.5	3.4	3.4
15°	37.6	14.3	6.8	2.7	0.7	0.7
17.5°	34.2	11.6	4.1	0.7	0.0	0.0
20°	29.4	9.6	2.7	0.0	0.0	0.0
21°	28.0	8.2	2.0	0.0	0.0	0.0
22°	26.0	7.5	1.4	0.0	0.0	0.0
23°	23.9	6.8	1.4	0.0	0.0	0.0
24°	21.9	6.1	0.7	0.0	0.0	0.0
25°	20.5	5.5	0.7	0.0	0.0	0.0
26°	19.1	4.8	0.7	0.0	0.0	0.0
27°	17.1	4.1	0.0	0.0	0.0	0.0
28°	15.7	3.4	0.0	0.0	0.0	0.0
29°	13.7	2.7	0.0	0.0	0.0	0.0
30°	11.6	2.0	0.0	0.0	0.0	0.0
31°	9.6	2.0	0.0	0.0	0.0	0.0
32°	8.2	1.4	0.0	0.0	0.0	0.0
33°	6.8	1.4	0.0	0.0	0.0	0.0
34°	6.1	1.4	0.0	0.0	0.0	0.0
35°	5.5	1.4	0.0	0.0	0.0	0.0
36°	4.1	0.7	0.0	0.0	0.0	0.0
37°	3.4	0.7	0.0	0.0	0.0	0.0
38°	2.7	0.7	0.0	0.0	0.0	0.0
39°	2.0	0.0	0.0	0.0	0.0	0.0
40°	2.0	0.0	0.0	0.0	0.0	0.0
42.5°	0.7	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.7	0.0	0.0	0.7	0.7
47.5°	0.0	0.7	0.0	0.0	0.7	1.4
50°	0.0	0.7	0.7	0.7	1.4	2.0
52.5°	0.0	1.4	0.7	0.7	2.0	2.0
55°	0.7	1.4	0.7	1.4	2.7	2.7
57.5°	0.7	1.4	1.4	2.0	2.7	3.4
60°	1.4	2.0	2.0	2.0	3.4	3.4
62.5°	1.4	2.0	2.7	2.7	3.4	4.1
65°	1.4	2.7	2.7	2.7	3.4	4.1
67.5°	2.0	2.7	2.7	2.7	3.4	4.1
70°	2.0	2.7	2.7	2.7	3.4	3.4
72.5°	2.0	2.7	2.0	2.7	2.7	3.4
75°	2.0	2.7	2.0	2.0	2.7	2.7
77.5°	1.4	2.0	2.0	1.4	2.0	2.0
80°	1.4	2.0	1.4	1.4	2.0	2.0



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	1.4	2.0	1.4	0.7	1.4	1.4
85°	1.4	2.0	1.4	0.7	0.7	0.7
87.5°	1.4	2.0	1.4	0.7	0.0	0.7
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)