

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: P1311603

Luminaire Tested: P3SQAS20R259050D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311603
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R259050D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

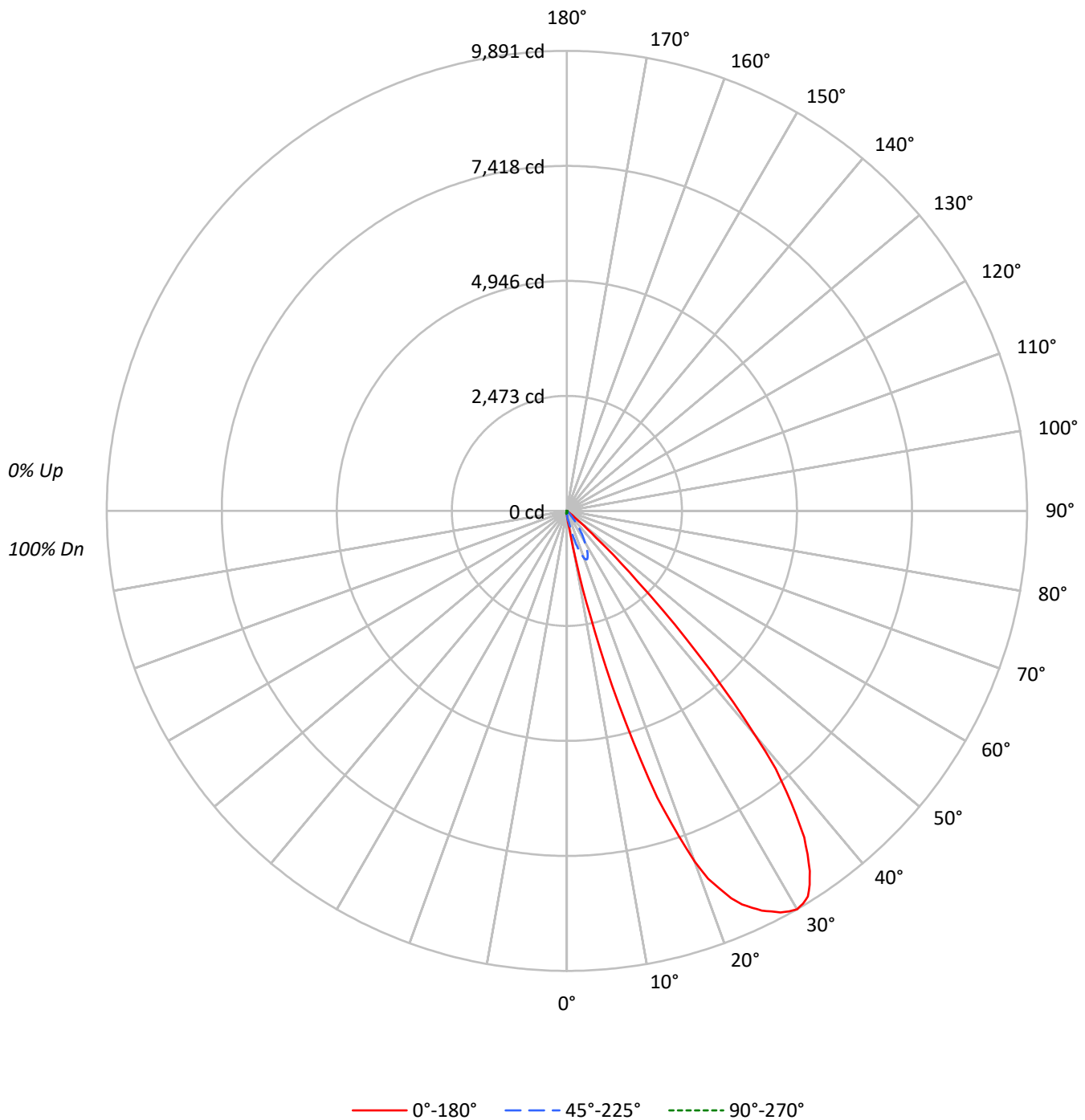
Lumens per Lamp: N/A
Luminaire Lumens: 1978.9 lumens
Efficiency: N/A
Efficacy: 68.7 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	95	92	104	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55		
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	50		
8	71	60	52	48	70	59	52	47	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	44	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	14622	14622	14622	14622	14622
5°	36703	27125	13727	7019	5428
10°	160487	46168	11297	3235	2256
15°	763115	124452	7899	1319	981
20°	1469026	199312	5077	330	330
25°	1789101	201048	2812	0	0
30°	1967039	153862	1094	0	0
35°	1895590	97827	378	0	0
40°	1416370	42334	0	0	405
45°	524359	11252	438	438	1340
50°	61838	1474	991	991	1983
55°	6095	0	1111	1651	2762
60°	620	0	1894	2549	3169
65°	734	734	3016	3749	4523
70°	906	906	3726	3726	5589
75°	1198	1198	3660	3660	4924
80°	0	1785	5455	3670	5455
85°	0	3557	10868	3557	3557

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 524359 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.3	0.6
10°-20°	230.7	11.7
20°-30°	724.2	36.6
30°-40°	762.3	38.5
40°-50°	224.0	11.3
50°-60°	12.0	0.6
60°-70°	5.8	0.3
70°-80°	5.0	0.3
80°-90°	2.6	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°	967.3	48.9
0°-40°	1729.6	87.4
0°-60°	1965.5	99.3
0°-90°	1978.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1978.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	85	85	85	85	85	
5°	212	157	79	41	31	38
15°	4280	698	44	7	6	1349
25°	9415	1058	15	0	0	4318
35°	9016	465	2	0	0	5441
45°	2153	46	2	2	6	1956
55°	20	0	4	6	9	52
65°	2	2	7	9	11	2
75°	2	2	6	6	7	1
85°	0	2	6	2	2	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°	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
2.5°	131.1	132.9	127.4	131.1	127.4	125.6	123.7	114.5	99.7	84.9	70.2
5°	212.3	212.3	203.1	201.3	197.6	190.2	182.8	156.9	112.6	79.4	55.4
7.5°	332.4	330.5	326.8	317.6	299.1	280.7	262.2	205.0	123.7	73.9	42.5
10°	917.7	904.8	888.1	788.4	675.8	576.1	489.3	264.0	132.9	64.6	31.4
12.5°	2280.3	2206.5	2031.1	1831.7	1576.9	1309.1	1046.9	430.2	136.6	53.5	22.2
15°	4280.0	4126.8	3853.5	3454.7	2934.0	2348.7	1850.1	698.0	132.9	44.3	16.6
17.5°	6462.5	6314.8	5936.3	5330.6	4564.4	3665.2	2782.6	925.1	123.7	36.9	11.1
20°	8015.4	7858.4	7503.9	6861.3	6032.3	4834.0	3663.3	1087.5	116.3	27.7	5.5
21°	8469.6	8312.6	7937.8	7317.4	6445.9	5243.9	3945.8	1115.2	110.8	24.0	3.7
22°	8757.6	8665.3	8262.8	7660.8	6772.7	5572.5	4187.7	1128.2	107.1	22.2	3.7
23°	9047.5	8909.0	8532.4	7897.2	7022.0	5816.3	4366.8	1118.9	103.4	18.5	1.8
24°	9261.7	9145.4	8707.8	8080.0	7195.5	5965.8	4472.1	1094.9	97.9	16.6	1.8
25°	9415.0	9307.9	8851.8	8203.7	7311.9	6047.1	4505.3	1058.0	92.3	14.8	1.8
26°	9560.8	9444.5	8971.8	8275.7	7372.8	6072.9	4473.9	1017.4	86.8	12.9	0.0
27°	9666.1	9547.9	9054.9	8318.2	7376.5	6041.5	4389.0	962.0	81.2	11.1	0.0
28°	9778.7	9642.1	9112.1	8342.2	7354.3	5967.7	4267.1	902.9	77.6	9.2	0.0
29°	9847.0	9717.8	9171.2	8368.0	7308.2	5844.0	4089.8	832.7	68.3	5.5	0.0
30°	9891.3	9738.1	9165.7	8340.3	7247.2	5711.0	3877.5	773.7	59.1	5.5	0.0
31°	9854.4	9693.8	9106.6	8262.8	7149.4	5537.4	3659.6	699.8	48.0	3.7	0.0
32°	9775.0	9584.8	9003.2	8128.0	6974.0	5314.0	3434.4	638.9	35.1	3.7	0.0
33°	9581.1	9420.5	8816.7	7947.0	6745.0	5011.2	3140.8	579.8	24.0	1.8	0.0
34°	9337.4	9176.8	8561.9	7705.2	6438.5	4619.8	2784.4	518.8	20.3	1.8	0.0
35°	9016.1	8857.3	8273.9	7367.3	6032.3	4148.9	2417.0	465.3	16.6	1.8	0.0
36°	8678.2	8467.7	7910.1	7007.2	5487.6	3613.5	2023.7	404.4	12.9	1.8	0.0
37°	8181.5	8039.4	7420.8	6458.8	4898.6	3100.2	1737.5	349.0	9.2	1.8	0.0
38°	7666.4	7535.3	6931.5	5906.7	4241.3	2592.4	1455.0	295.4	7.4	0.0	0.0
39°	7134.6	6916.7	6320.3	5199.6	3552.5	2171.4	1224.2	247.4	3.7	0.0	0.0
40°	6300.0	6133.8	5496.8	4350.2	2939.5	1759.6	1043.2	188.3	3.7	0.0	0.0
42.5°	4176.6	4021.5	3353.1	2359.7	1562.1	1028.5	688.7	73.9	0.0	1.8	0.0
45°	2152.9	2055.1	1669.2	1235.3	886.3	631.5	443.1	46.2	0.0	1.8	1.8
47.5°	854.9	838.3	757.0	653.6	504.1	374.8	241.9	20.3	0.0	1.8	1.8
50°	230.8	232.7	217.9	201.3	182.8	171.7	101.6	5.5	0.0	3.7	1.8
52.5°	97.9	99.7	96.0	90.5	81.2	60.9	40.6	1.8	1.8	3.7	3.7
55°	20.3	22.2	24.0	25.9	29.5	25.9	16.6	0.0	1.8	3.7	3.7
57.5°	3.7	3.7	3.7	3.7	5.5	5.5	3.7	0.0	1.8	3.7	5.5
60°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	3.7	5.5	5.5
62.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.7	5.5	7.4
65°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.7	7.4	7.4
67.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	5.5	7.4	7.4
70°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	5.5	7.4	7.4
72.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	5.5	7.4	5.5
75°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	5.5	5.5	5.5
77.5°	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	3.7	5.5	5.5
80°	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	3.7	5.5	3.7



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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	1.8	1.8	3.7	5.5	3.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.7	5.5	3.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.7	5.5	3.7
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):

	135°	157.5°	180°
0°	84.9	84.9	84.9
2.5°	59.1	53.5	51.7
5°	40.6	35.1	31.4
7.5°	27.7	22.2	20.3
10°	18.5	14.8	12.9
12.5°	12.9	7.4	7.4
15°	7.4	5.5	5.5
17.5°	3.7	1.8	1.8
20°	1.8	1.8	1.8
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	1.8
39°	0.0	1.8	1.8
40°	0.0	1.8	1.8
42.5°	0.0	1.8	3.7
45°	1.8	3.7	5.5
47.5°	3.7	5.5	7.4
50°	3.7	7.4	7.4
52.5°	5.5	7.4	9.2
55°	5.5	9.2	9.2
57.5°	7.4	9.2	11.1
60°	7.4	9.2	9.2
62.5°	7.4	11.1	11.1
65°	9.2	11.1	11.1
67.5°	9.2	11.1	11.1
70°	7.4	9.2	11.1
72.5°	7.4	9.2	9.2
75°	5.5	7.4	7.4
77.5°	5.5	5.5	7.4
80°	3.7	5.5	5.5

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	3.7	3.7	3.7
85°	1.8	1.8	1.8
87.5°	1.8	1.8	1.8
90°	0.0	0.0	0.0

(END OF REPORT)