

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: P1316513

Luminaire Tested: P3SQAS20R259827D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316513
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: P3SQAS20R259827D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

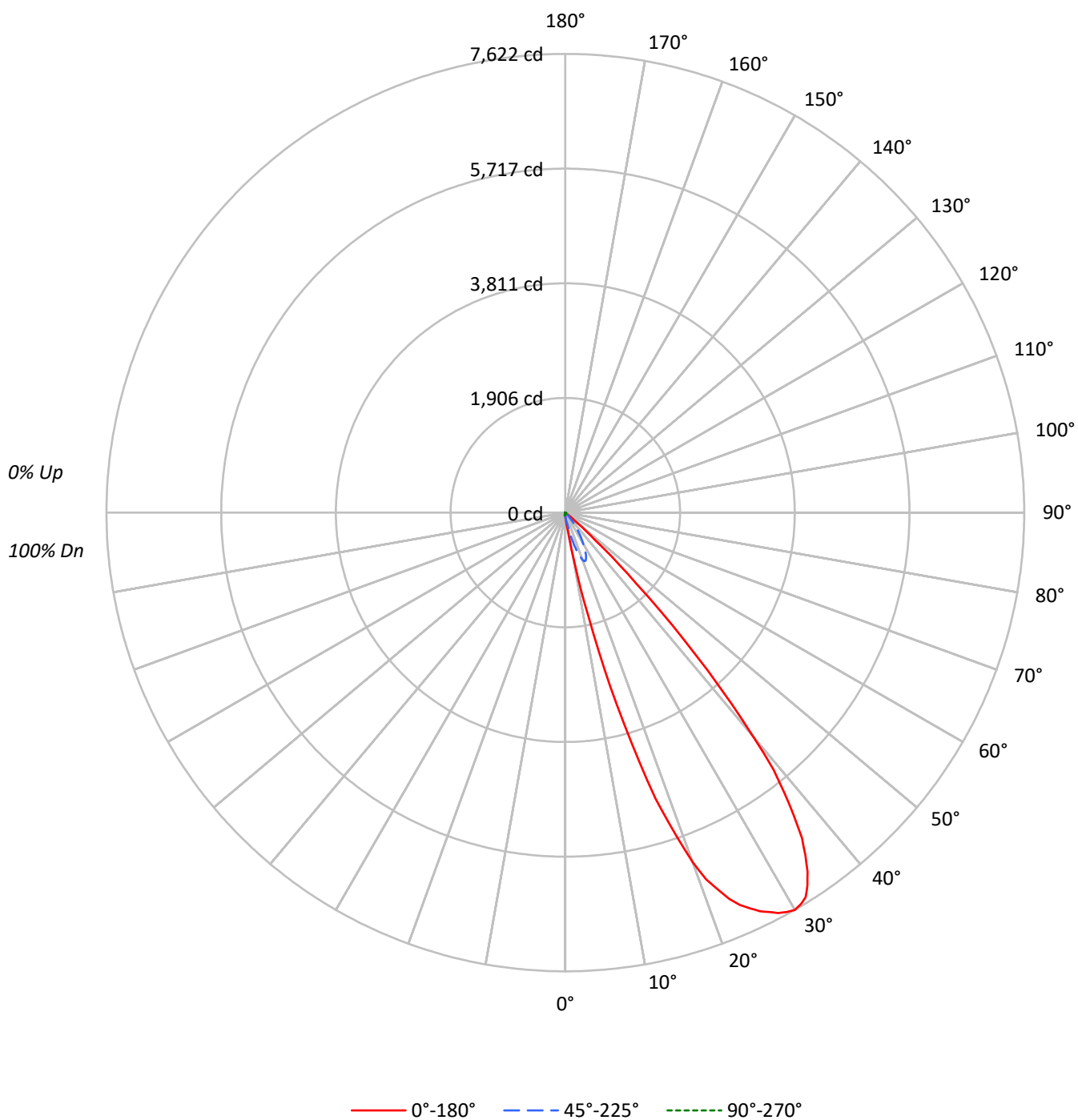
Lumens per Lamp: N/A
Luminaire Lumens: 1525.0 lumens
Efficiency: N/A
Efficacy: 55.7 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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°	11281	11281	11281	11281	11281
5°	28283	20901	10580	5411	4184
10°	123675	35588	8709	2483	1749
15°	588062	95889	6080	1016	767
20°	1132019	153603	3904	257	257
25°	1378662	154929	2166	0	0
30°	1515793	118564	855	0	0
35°	1460719	75394	294	0	0
40°	1091437	32621	0	0	315
45°	404065	8671	341	341	1047
50°	47665	1152	750	750	1527
55°	4714	0	841	1291	2132
60°	482	0	1481	1963	2446
65°	571	571	2323	2893	3464
70°	705	705	2870	2870	4280
75°	932	932	2861	2861	3793
80°	0	1389	4265	2777	4265
85°	0	2766	8497	2766	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 404065 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.5	0.6
10°-20°	177.8	11.7
20°-30°	558.1	36.6
30°-40°	587.5	38.5
40°-50°	172.6	11.3
50°-60°	9.2	0.6
60°-70°	4.5	0.3
70°-80°	3.9	0.3
80°-90°	2.0	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°	745.4	48.9
0°-40°	1332.8	87.4
0°-60°	1514.6	99.3
0°-90°	1525.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1525.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	66	66	66	66	66	
5°	164	121	61	31	24	29
15°	3298	538	34	6	4	1040
25°	7255	815	11	0	0	3328
35°	6948	359	1	0	0	4192
45°	1659	36	1	1	4	1508
55°	16	0	3	4	7	40
65°	1	1	6	7	8	1
75°	1	1	4	4	6	1
85°	0	1	4	1	1	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°	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
2.5°	101.0	102.4	98.2	101.0	98.2	96.8	95.3	88.2	76.8	65.5	54.1
5°	163.6	163.6	156.5	155.1	152.2	146.6	140.9	120.9	86.8	61.2	42.7
7.5°	256.1	254.7	251.8	244.7	230.5	216.3	202.0	157.9	95.3	56.9	32.7
10°	707.2	697.2	684.4	607.6	520.8	443.9	377.1	203.5	102.4	49.8	24.2
12.5°	1757.2	1700.3	1565.1	1411.5	1215.1	1008.8	806.8	331.5	105.3	41.3	17.1
15°	3298.2	3180.1	2969.5	2662.1	2260.9	1809.9	1425.7	537.8	102.4	34.1	12.8
17.5°	4980.0	4866.1	4574.4	4107.8	3517.3	2824.3	2144.2	712.8	95.3	28.5	8.5
20°	6176.6	6055.6	5782.4	5287.3	4648.4	3725.0	2822.9	838.1	89.6	21.3	4.3
21°	6526.6	6405.6	6116.8	5638.7	4967.1	4040.9	3040.6	859.4	85.4	18.5	2.8
22°	6748.6	6677.4	6367.2	5903.4	5219.0	4294.1	3227.0	869.4	82.5	17.1	2.8
23°	6971.9	6865.2	6575.0	6085.5	5411.1	4482.0	3365.0	862.2	79.7	14.2	1.4
24°	7137.0	7047.3	6710.1	6226.4	5544.8	4597.2	3446.1	843.7	75.4	12.8	1.4
25°	7255.1	7172.6	6821.1	6321.7	5634.5	4659.8	3471.7	815.3	71.1	11.4	1.4
26°	7367.5	7277.8	6913.6	6377.2	5681.4	4679.7	3447.6	784.0	66.9	10.0	0.0
27°	7448.6	7357.5	6977.6	6409.9	5684.3	4655.5	3382.1	741.3	62.6	8.5	0.0
28°	7535.4	7430.1	7021.7	6428.4	5667.2	4598.6	3288.2	695.8	59.8	7.1	0.0
29°	7588.0	7488.4	7067.3	6448.3	5631.6	4503.3	3151.6	641.7	52.6	4.3	0.0
30°	7622.2	7504.1	7063.0	6427.0	5584.7	4400.9	2988.0	596.2	45.5	4.3	0.0
31°	7593.7	7469.9	7017.5	6367.2	5509.3	4267.1	2820.1	539.3	37.0	2.8	0.0
32°	7532.5	7386.0	6937.8	6263.4	5374.1	4094.9	2646.5	492.3	27.0	2.8	0.0
33°	7383.1	7259.4	6794.1	6123.9	5197.7	3861.6	2420.3	446.8	18.5	1.4	0.0
34°	7195.3	7071.5	6597.7	5937.5	4961.5	3560.0	2145.6	399.8	15.7	1.4	0.0
35°	6947.7	6825.4	6375.8	5677.1	4648.4	3197.1	1862.5	358.6	12.8	1.4	0.0
36°	6687.4	6525.2	6095.5	5399.7	4228.7	2784.5	1559.4	311.6	10.0	1.4	0.0
37°	6304.6	6195.1	5718.4	4977.1	3774.8	2389.0	1338.9	268.9	7.1	1.4	0.0
38°	5907.6	5806.6	5341.4	4551.7	3268.3	1997.7	1121.2	227.7	5.7	0.0	0.0
39°	5497.9	5330.0	4870.4	4006.7	2737.6	1673.3	943.3	190.7	2.8	0.0	0.0
40°	4854.7	4726.7	4235.8	3352.2	2265.2	1356.0	803.9	145.1	2.8	0.0	0.0
42.5°	3218.5	3099.0	2583.9	1818.4	1203.7	792.5	530.7	56.9	0.0	1.4	0.0
45°	1659.0	1583.6	1286.3	951.9	683.0	486.6	341.5	35.6	0.0	1.4	1.4
47.5°	658.8	646.0	583.4	503.7	388.4	288.8	186.4	15.7	0.0	1.4	1.4
50°	177.9	179.3	167.9	155.1	140.9	132.3	78.3	4.3	0.0	2.8	1.4
52.5°	75.4	76.8	74.0	69.7	62.6	47.0	31.3	1.4	1.4	2.8	2.8
55°	15.7	17.1	18.5	19.9	22.8	19.9	12.8	0.0	1.4	2.8	2.8
57.5°	2.8	2.8	2.8	2.8	4.3	4.3	2.8	0.0	1.4	2.8	4.3
60°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	2.8	4.3	4.3
62.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	4.3	5.7
65°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	5.7	5.7
67.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.3	5.7	5.7
70°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.3	5.7	5.7
72.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.3	5.7	4.3
75°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.3	4.3	4.3
77.5°	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	2.8	4.3	4.3
80°	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	2.8	4.3	2.8



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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	1.4	1.4	2.8	4.3	2.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	4.3	2.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	4.3	2.8
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°	65.5	65.5	65.5
2.5°	45.5	41.3	39.8
5°	31.3	27.0	24.2
7.5°	21.3	17.1	15.7
10°	14.2	11.4	10.0
12.5°	10.0	5.7	5.7
15°	5.7	4.3	4.3
17.5°	2.8	1.4	1.4
20°	1.4	1.4	1.4
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	1.4
39°	0.0	1.4	1.4
40°	0.0	1.4	1.4
42.5°	0.0	1.4	2.8
45°	1.4	2.8	4.3
47.5°	2.8	4.3	5.7
50°	2.8	5.7	5.7
52.5°	4.3	5.7	7.1
55°	4.3	7.1	7.1
57.5°	5.7	7.1	8.5
60°	5.7	7.1	7.1
62.5°	5.7	8.5	8.5
65°	7.1	8.5	8.5
67.5°	7.1	8.5	8.5
70°	5.7	7.1	8.5
72.5°	5.7	7.1	7.1
75°	4.3	5.7	5.7
77.5°	4.3	4.3	5.7
80°	2.8	4.3	4.3



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	2.8	2.8	2.8
85°	1.4	1.4	1.4
87.5°	1.4	1.4	1.4
90°	0.0	0.0	0.0

(END OF REPORT)