

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: P1314665

Luminaire Tested: P3SQAS20R259735D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314665
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: P3SQAS20R259735D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 97CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

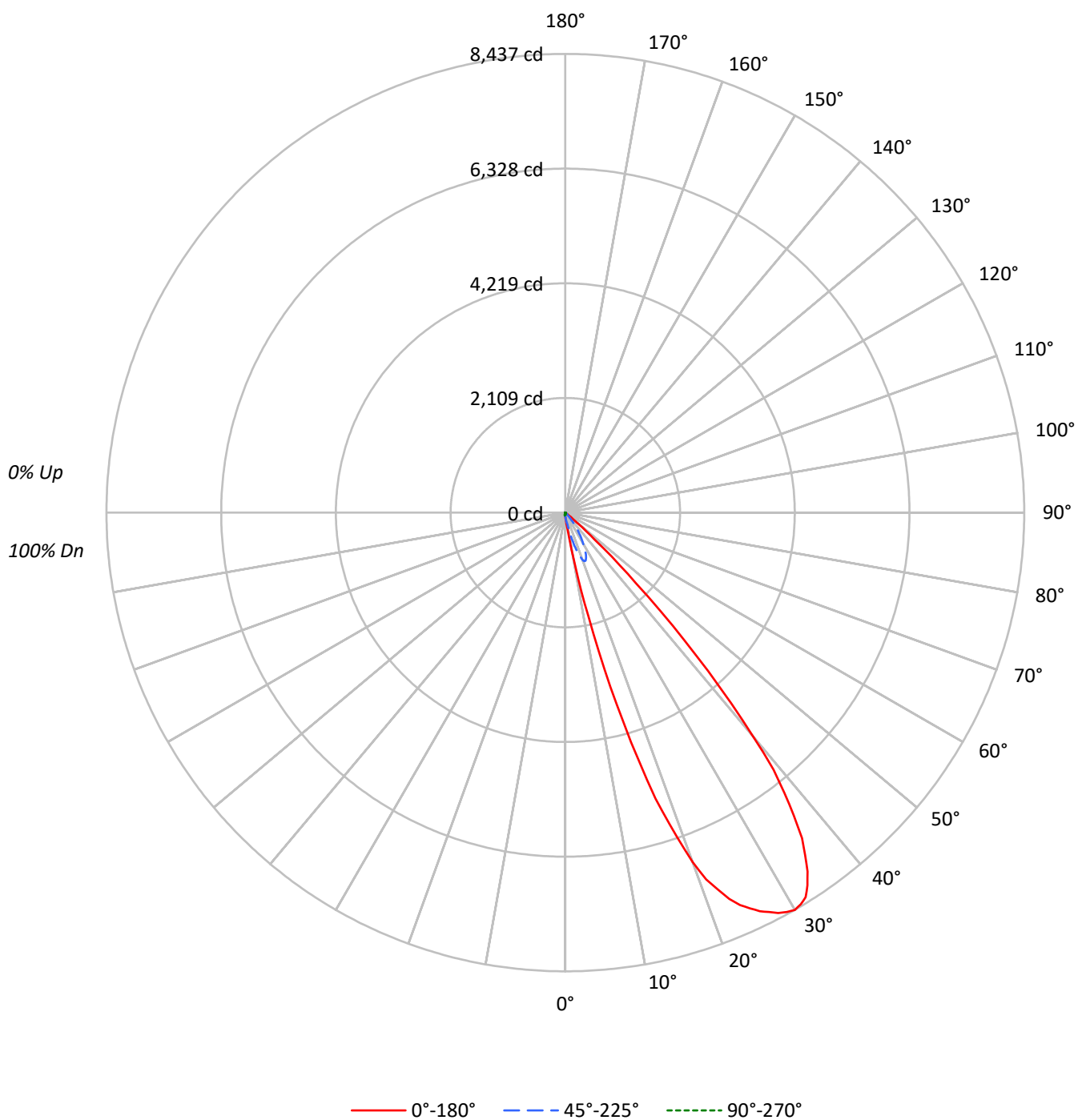
Lumens per Lamp: N/A
Luminaire Lumens: 1688.0 lumens
Efficiency: N/A
Efficacy: 58.6 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	12469	12469	12469	12469	12469
5°	31309	23149	11704	5982	4633
10°	136878	39383	9636	2746	1924
15°	650913	106141	6740	1123	838
20°	1253018	170006	4325	293	293
25°	1526009	171480	2394	0	0
30°	1677809	131231	935	0	0
35°	1616868	83446	336	0	0
40°	1208096	36106	0	0	360
45°	447273	9596	390	390	1145
50°	52756	1259	831	831	1688
55°	5195	0	931	1411	2372
60°	551	0	1619	2170	2721
65°	652	652	2567	3219	3831
70°	806	806	3172	3172	4733
75°	1065	1065	3127	3127	4192
80°	0	1587	4661	3075	4661
85°	0	3162	9287	3162	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 447273 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.5	0.6
10°-20°	196.8	11.7
20°-30°	617.7	36.6
30°-40°	650.2	38.5
40°-50°	191.0	11.3
50°-60°	10.2	0.6
60°-70°	5.0	0.3
70°-80°	4.3	0.3
80°-90°	2.2	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°	825.0	48.9
0°-40°	1475.3	87.4
0°-60°	1676.5	99.3
0°-90°	1688.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1688.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	72	72	72	72	72	
5°	181	134	68	35	27	32
15°	3651	595	38	6	5	1151
25°	8030	902	13	0	0	3683
35°	7690	397	2	0	0	4641
45°	1836	39	2	2	5	1669
55°	17	0	3	5	8	44
65°	2	2	6	8	9	2
75°	2	2	5	5	6	1
85°	0	2	5	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°	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
2.5°	111.8	113.4	108.7	111.8	108.7	107.1	105.5	97.6	85.0	72.4	59.8
5°	181.1	181.1	173.2	171.7	168.5	162.2	155.9	133.9	96.1	67.7	47.2
7.5°	283.5	281.9	278.8	270.9	255.1	239.4	223.6	174.8	105.5	63.0	36.2
10°	782.7	771.7	757.5	672.5	576.4	491.4	417.4	225.2	113.4	55.1	26.8
12.5°	1945.0	1882.0	1732.4	1562.3	1345.0	1116.6	893.0	367.0	116.5	45.7	18.9
15°	3650.7	3520.0	3286.9	2946.7	2502.6	2003.3	1578.1	595.3	113.4	37.8	14.2
17.5°	5512.2	5386.2	5063.4	4546.8	3893.2	3126.2	2373.4	789.0	105.5	31.5	9.4
20°	6836.8	6702.9	6400.5	5852.4	5145.3	4123.2	3124.7	927.6	99.2	23.6	4.7
21°	7224.2	7090.3	6770.6	6241.4	5498.1	4472.8	3365.6	951.3	94.5	20.5	3.1
22°	7469.9	7391.1	7047.8	6534.4	5776.8	4753.1	3571.9	962.3	91.3	18.9	3.1
23°	7717.1	7599.0	7277.7	6736.0	5989.4	4961.0	3724.7	954.4	88.2	15.7	1.6
24°	7899.8	7800.6	7427.3	6891.9	6137.5	5088.6	3814.5	933.9	83.5	14.2	1.6
25°	8030.5	7939.2	7550.2	6997.4	6236.7	5157.9	3842.8	902.4	78.7	12.6	1.6
26°	8155.0	8055.7	7652.6	7058.8	6288.7	5179.9	3816.0	867.8	74.0	11.0	0.0
27°	8244.7	8143.9	7723.4	7095.0	6291.8	5153.2	3743.6	820.5	69.3	9.4	0.0
28°	8340.8	8224.3	7772.3	7115.5	6272.9	5090.2	3639.7	770.1	66.1	7.9	0.0
29°	8399.1	8288.8	7822.7	7137.6	6233.6	4984.6	3488.5	710.3	58.3	4.7	0.0
30°	8436.9	8306.2	7817.9	7113.9	6181.6	4871.2	3307.3	659.9	50.4	4.7	0.0
31°	8405.4	8268.4	7767.5	7047.8	6098.1	4723.2	3121.5	596.9	40.9	3.1	0.0
32°	8337.7	8175.4	7679.3	6932.8	5948.5	4532.6	2929.4	544.9	29.9	3.1	0.0
33°	8172.3	8035.3	7520.3	6778.5	5753.2	4274.3	2678.9	494.5	20.5	1.6	0.0
34°	7964.4	7827.4	7302.9	6572.2	5491.8	3940.5	2375.0	442.6	17.3	1.6	0.0
35°	7690.4	7554.9	7057.2	6284.0	5145.3	3538.9	2061.6	396.9	14.2	1.6	0.0
36°	7402.1	7222.6	6747.0	5976.8	4680.7	3082.1	1726.1	344.9	11.0	1.6	0.0
37°	6978.5	6857.2	6329.6	5509.1	4178.3	2644.3	1482.0	297.7	7.9	1.6	0.0
38°	6539.1	6427.3	5912.3	5038.2	3617.6	2211.2	1241.0	252.0	6.3	0.0	0.0
39°	6085.5	5899.7	5391.0	4435.0	3030.2	1852.1	1044.2	211.0	3.1	0.0	0.0
40°	5373.6	5231.9	4688.6	3710.5	2507.3	1500.9	889.8	160.6	3.1	0.0	0.0
42.5°	3562.5	3430.2	2860.1	2012.8	1332.4	877.2	587.4	63.0	0.0	1.6	0.0
45°	1836.4	1752.9	1423.7	1053.6	756.0	538.6	378.0	39.4	0.0	1.6	1.6
47.5°	729.2	715.0	645.7	557.5	430.0	319.7	206.3	17.3	0.0	1.6	1.6
50°	196.9	198.4	185.8	171.7	155.9	146.5	86.6	4.7	0.0	3.1	1.6
52.5°	83.5	85.0	81.9	77.2	69.3	52.0	34.6	1.6	1.6	3.1	3.1
55°	17.3	18.9	20.5	22.0	25.2	22.0	14.2	0.0	1.6	3.1	3.1
57.5°	3.1	3.1	3.1	3.1	4.7	4.7	3.1	0.0	1.6	3.1	4.7
60°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	3.1	4.7	4.7
62.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.1	4.7	6.3
65°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.1	6.3	6.3
67.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.7	6.3	6.3
70°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.7	6.3	6.3
72.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.7	6.3	4.7
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.7	4.7	4.7
77.5°	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	3.1	4.7	4.7
80°	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	3.1	4.7	3.1



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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	1.6	1.6	3.1	4.7	3.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.1	4.7	3.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.1	4.7	3.1
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°	72.4	72.4	72.4
2.5°	50.4	45.7	44.1
5°	34.6	29.9	26.8
7.5°	23.6	18.9	17.3
10°	15.7	12.6	11.0
12.5°	11.0	6.3	6.3
15°	6.3	4.7	4.7
17.5°	3.1	1.6	1.6
20°	1.6	1.6	1.6
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	1.6
39°	0.0	1.6	1.6
40°	0.0	1.6	1.6
42.5°	0.0	1.6	3.1
45°	1.6	3.1	4.7
47.5°	3.1	4.7	6.3
50°	3.1	6.3	6.3
52.5°	4.7	6.3	7.9
55°	4.7	7.9	7.9
57.5°	6.3	7.9	9.4
60°	6.3	7.9	7.9
62.5°	6.3	9.4	9.4
65°	7.9	9.4	9.4
67.5°	7.9	9.4	9.4
70°	6.3	7.9	9.4
72.5°	6.3	7.9	7.9
75°	4.7	6.3	6.3
77.5°	4.7	4.7	6.3
80°	3.1	4.7	4.7



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	3.1	3.1	3.1
85°	1.6	1.6	1.6
87.5°	1.6	1.6	1.6
90°	0.0	0.0	0.0

(END OF REPORT)