

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: P1309423

Luminaire Tested: P3SQAS20R309035D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309423
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R309035D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

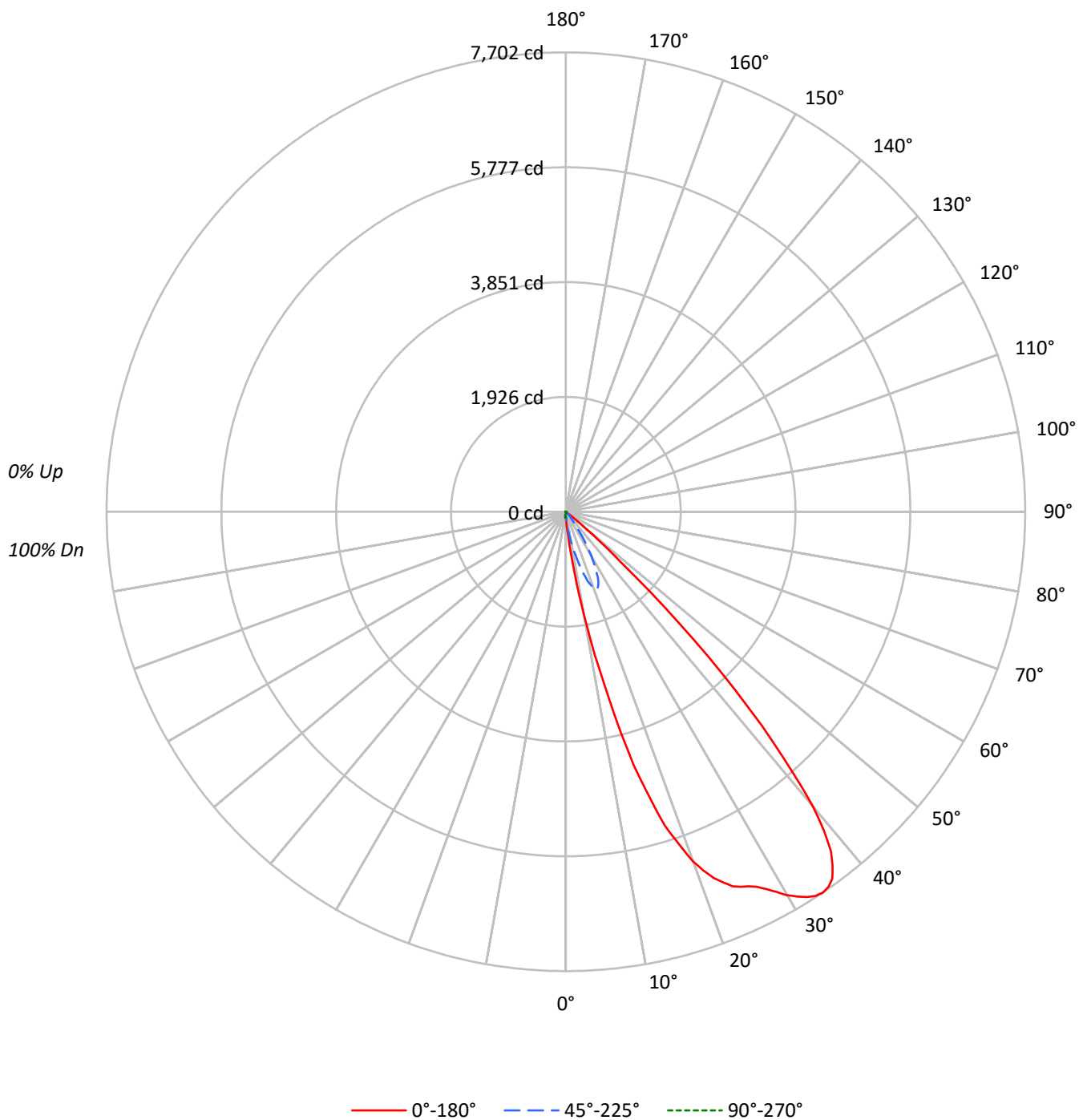
Lumens per Lamp: N/A
Luminaire Lumens: 1854.0 lumens
Efficiency: N/A
Efficacy: 64.4 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	96	92	104	98	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	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	64	58	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	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	17084	17084	17084	17084	17084
5°	61960	38500	15646	6310	4512
10°	306704	92196	12172	1224	0
15°	782372	175588	7756	0	0
20°	1143181	249676	3189	0	0
25°	1318861	244982	665	0	0
30°	1476040	168161	0	0	0
35°	1614282	72429	0	0	0
40°	1448857	28170	0	0	0
45°	739885	11447	0	0	0
50°	114219	1393	0	0	0
55°	6786	0	510	0	0
60°	0	0	586	0	0
65°	0	0	1426	0	0
70°	0	856	1762	0	0
75°	0	1131	3460	0	0
80°	0	1686	5157	0	0
85°	0	3359	10275	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 739885 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.7	1.1
10°-20°	247.0	13.3
20°-30°	610.5	32.9
30°-40°	702.0	37.9
40°-50°	260.4	14.0
50°-60°	9.5	0.5
60°-70°	0.9	0.0
70°-80°	1.5	0.1
80°-90°	1.4	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°	878.2	47.4
0°-40°	1580.2	85.2
0°-60°	1850.1	99.8
0°-90°	1854.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1854.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	99	99	99	99	99	
5°	358	223	90	36	26	78
15°	4388	985	44	0	0	1262
25°	6940	1289	4	0	0	3207
35°	7678	344	0	0	0	4655
45°	3038	47	0	0	0	2366
55°	23	0	2	0	0	77
65°	0	0	4	0	0	0
75°	0	2	5	0	0	0
85°	0	2	5	0	0	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°	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2.5°	175.7	177.5	177.5	172.2	170.5	168.8	163.5	147.9	123.5	99.2	80.0
5°	358.4	360.2	360.2	349.7	328.8	308.0	290.6	222.7	142.7	90.5	59.2
7.5°	845.6	847.3	810.8	769.0	685.5	642.0	562.0	342.8	161.8	81.8	38.3
10°	1753.8	1715.5	1619.8	1498.0	1369.3	1202.3	1033.5	527.2	175.7	69.6	24.4
12.5°	2931.7	2895.2	2771.6	2597.6	2345.4	2018.3	1698.1	741.2	177.5	55.7	13.9
15°	4388.0	4285.3	4137.4	3848.6	3476.3	2970.0	2441.0	984.8	170.5	43.5	3.5
17.5°	5517.2	5423.2	5235.3	4897.8	4434.9	3873.0	3224.0	1216.2	151.4	27.8	0.0
20°	6237.5	6138.3	5962.6	5665.0	5172.7	4513.2	3770.3	1362.3	125.3	17.4	0.0
21°	6442.8	6347.1	6174.8	5879.0	5388.4	4730.7	3904.3	1393.6	113.1	13.9	0.0
22°	6623.7	6548.9	6388.8	6067.0	5567.6	4890.8	4040.0	1397.1	104.4	10.4	0.0
23°	6750.7	6696.8	6536.7	6240.9	5743.3	5021.3	4113.1	1376.2	94.0	7.0	0.0
24°	6872.5	6806.4	6669.0	6394.1	5882.5	5130.9	4179.2	1338.0	83.5	5.2	0.0
25°	6940.4	6863.8	6757.7	6500.2	5997.4	5200.5	4219.2	1289.2	73.1	3.5	0.0
26°	6987.3	6928.2	6811.6	6562.8	6046.1	5245.7	4224.4	1217.9	66.1	1.7	0.0
27°	7058.7	6999.5	6886.4	6618.5	6067.0	5238.8	4193.1	1136.1	57.4	0.0	0.0
28°	7166.6	7088.3	6975.2	6677.7	6075.7	5209.2	4123.5	1047.4	48.7	0.0	0.0
29°	7290.1	7210.1	7086.5	6755.9	6077.4	5150.0	4013.9	950.0	43.5	0.0	0.0
30°	7422.3	7352.7	7227.5	6832.5	6096.5	5073.5	3886.9	845.6	34.8	0.0	0.0
31°	7526.7	7464.1	7330.1	6902.1	6112.2	5007.4	3730.3	741.2	29.6	0.0	0.0
32°	7617.2	7561.5	7396.2	6917.8	6080.9	4913.4	3563.3	640.3	24.4	0.0	0.0
33°	7679.8	7610.2	7417.1	6877.7	5990.4	4758.6	3377.1	544.6	19.1	0.0	0.0
34°	7702.4	7618.9	7385.8	6773.3	5807.7	4523.7	3135.3	445.4	15.7	0.0	0.0
35°	7678.1	7575.4	7272.7	6594.1	5560.6	4243.6	2844.7	344.5	12.2	0.0	0.0
36°	7599.8	7469.3	7110.9	6338.4	5207.5	3913.0	2554.1	267.9	8.7	0.0	0.0
37°	7431.0	7286.6	6834.2	6000.8	4857.7	3533.7	2223.6	208.8	5.2	0.0	0.0
38°	7224.0	7015.2	6465.4	5574.6	4405.4	3107.4	1896.5	172.2	3.5	0.0	0.0
39°	6870.8	6641.1	6026.9	5083.9	3961.7	2702.0	1578.1	149.6	1.7	0.0	0.0
40°	6444.5	6171.3	5525.9	4558.5	3438.0	2277.5	1317.1	125.3	1.7	0.0	0.0
42.5°	4861.2	4629.8	3935.6	3100.5	2101.8	1343.2	730.7	81.8	0.0	0.0	0.0
45°	3037.8	2796.0	2326.2	1699.9	1137.9	696.0	351.5	47.0	0.0	0.0	0.0
47.5°	1240.5	1137.9	936.1	720.3	515.0	327.1	146.1	20.9	0.0	0.0	0.0
50°	426.3	379.3	318.4	233.1	165.3	113.1	76.6	5.2	0.0	0.0	0.0
52.5°	123.5	125.3	109.6	94.0	73.1	52.2	38.3	0.0	0.0	0.0	0.0
55°	22.6	19.1	22.6	20.9	22.6	19.1	13.9	0.0	0.0	1.7	0.0
57.5°	0.0	0.0	1.7	1.7	1.7	1.7	1.7	0.0	1.7	1.7	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.5	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.5	1.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.5	3.5	1.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.5	3.5	1.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.5	5.2	1.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.5	5.2	1.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.5	5.2	1.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.5	5.2	1.7



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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	0.0	1.7	3.5	5.2	1.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.5	5.2	1.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.5	5.2	1.7
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°	99.2	99.2	99.2
2.5°	64.4	57.4	53.9
5°	36.5	27.8	26.1
7.5°	19.1	12.2	10.4
10°	7.0	1.7	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
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	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)