

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: P1314506

Luminaire Tested: P3SQAS17R259735DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314506
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-49)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R259735DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 97CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

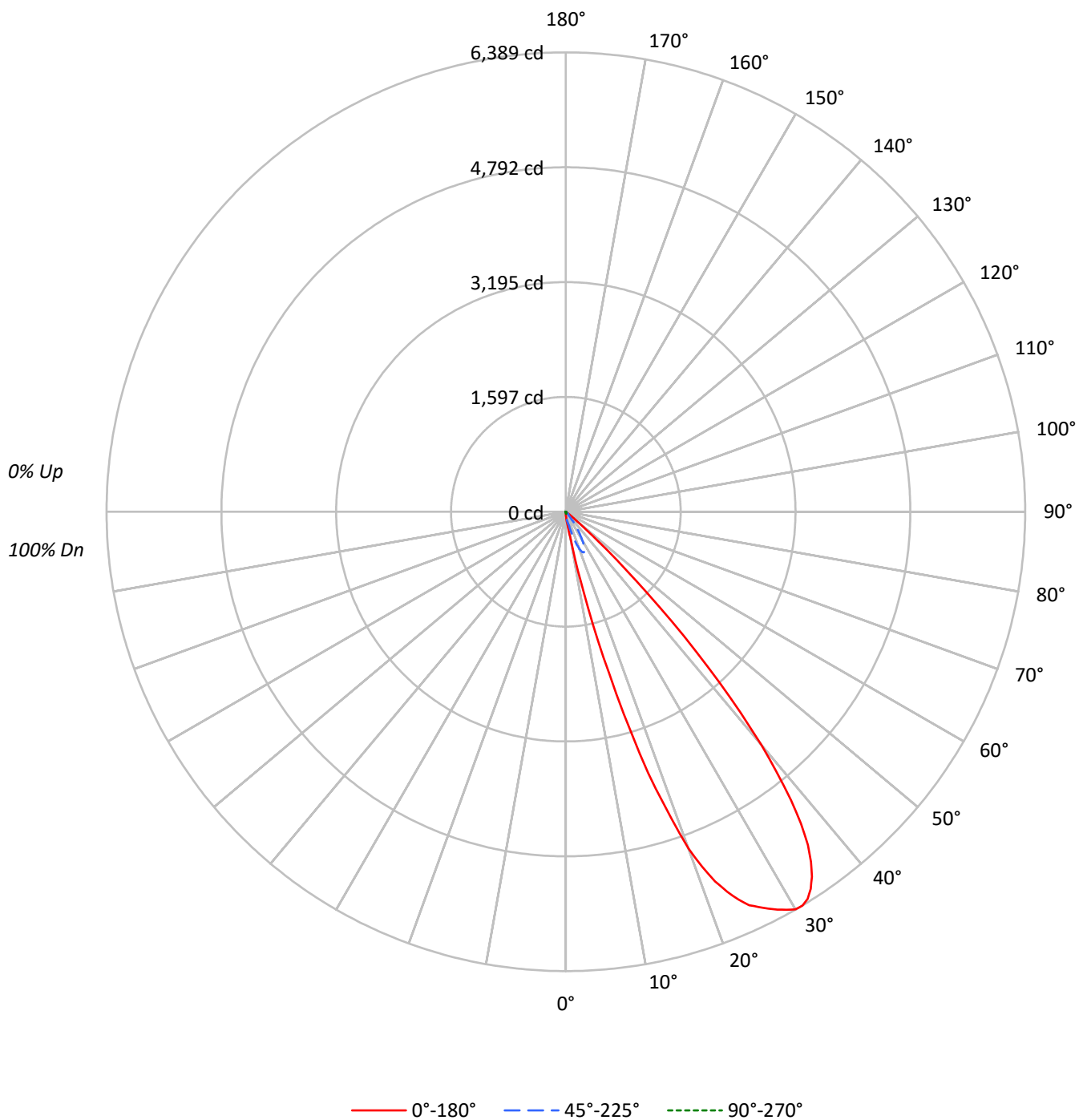
Lumens per Lamp: N/A
Luminaire Lumens: 1252.0 lumens
Efficiency: N/A
Efficacy: 59.1 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	70	59	52	47	69	58	52	47	57	51	47	56	51	46	55	50	46	45		
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	6820	6820	6820	6820	6820
5°	21351	14920	6224	3319	2489
10°	67311	27054	4617	420	0
15°	416290	51528	2781	0	0
20°	912730	100435	880	0	0
25°	1147343	115536	0	0	0
30°	1270115	89430	0	0	0
35°	1250264	50669	0	0	0
40°	950340	13219	0	0	0
45°	384946	5845	0	0	0
50°	42735	643	0	0	0
55°	3243	0	360	0	0
60°	0	0	413	0	0
65°	0	0	978	0	0
70°	0	604	1209	0	0
75°	0	799	2396	0	0
80°	0	1190	3570	0	0
85°	0	2371	7114	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 384946 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.2	0.5
10°-20°	129.3	10.3
20°-30°	452.1	36.1
30°-40°	504.3	40.3
40°-50°	152.3	12.2
50°-60°	5.1	0.4
60°-70°	0.7	0.1
70°-80°	1.1	0.1
80°-90°	1.0	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°	587.6	46.9
0°-40°	1091.8	87.2
0°-60°	1249.2	99.8
0°-90°	1252.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1252.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	40	40	40	40	40	
5°	124	86	36	19	14	19
15°	2335	289	16	0	0	776
25°	6038	608	0	0	0	2754
35°	5947	241	0	0	0	3570
45°	1580	24	0	0	0	1365
55°	11	0	1	0	0	34
65°	0	0	2	0	0	0
75°	0	1	4	0	0	0
85°	0	1	4	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
2.5°	68.4	70.8	69.6	70.8	69.6	69.6	69.6	70.8	69.6	69.6	69.6
5°	123.5	124.7	124.7	123.5	123.5	125.9	123.5	124.7	121.1	123.5	122.3
7.5°	202.7	200.3	200.3	201.5	201.5	199.1	197.9	195.5	197.9	197.9	194.3
10°	384.9	382.5	376.5	374.1	376.5	376.5	364.5	366.9	368.1	357.4	353.8
12.5°	1130.8	1122.4	1139.2	1112.8	1097.2	1072.1	1086.4	1037.3	1026.5	1019.3	1002.5
15°	2334.8	2398.3	2370.8	2373.2	2377.9	2318.0	2338.4	2264.0	2201.7	2182.5	2169.3
17.5°	3807.4	3826.5	3801.4	3789.4	3784.6	3755.8	3721.0	3683.8	3635.9	3593.9	3559.1
20°	4980.1	4965.8	4922.6	4927.4	4875.8	4849.4	4819.5	4782.3	4745.1	4683.9	4625.2
21°	5289.5	5247.6	5248.8	5220.0	5218.8	5185.2	5132.4	5094.1	5060.5	4990.9	4953.8
22°	5543.8	5534.2	5512.6	5491.0	5468.2	5451.4	5392.7	5373.5	5305.1	5247.6	5194.8
23°	5741.6	5745.2	5726.0	5711.6	5680.5	5673.3	5597.7	5571.3	5524.6	5437.0	5383.1
24°	5905.9	5899.9	5878.3	5853.1	5835.2	5818.4	5760.8	5717.6	5666.1	5594.1	5541.4
25°	6037.8	6023.4	6009.0	5989.8	5961.1	5941.9	5883.1	5835.2	5790.8	5710.4	5638.5
26°	6115.8	6119.4	6096.6	6082.2	6057.0	6037.8	5976.7	5920.3	5865.1	5778.8	5714.0
27°	6194.9	6191.3	6170.9	6149.3	6123.0	6115.8	6045.0	5986.2	5929.9	5838.7	5762.0
28°	6268.1	6258.5	6241.7	6216.5	6187.7	6166.1	6097.8	6036.6	5975.5	5878.3	5794.4
29°	6329.2	6319.6	6308.8	6276.4	6239.3	6224.9	6151.7	6077.4	6016.2	5916.7	5828.0
30°	6386.8	6368.8	6343.6	6316.0	6280.0	6252.5	6175.7	6111.0	6039.0	5928.7	5843.5
31°	6389.2	6365.2	6347.2	6318.4	6277.6	6244.1	6163.7	6097.8	6013.8	5910.7	5818.4
32°	6347.2	6335.2	6306.4	6275.2	6235.7	6202.1	6113.4	6043.8	5964.7	5854.3	5762.0
33°	6252.5	6240.5	6223.7	6191.3	6139.7	6108.6	6029.4	5952.7	5874.7	5775.2	5669.7
34°	6121.8	6107.4	6085.8	6053.4	6000.6	5968.3	5904.7	5825.6	5742.8	5639.7	5541.4
35°	5946.7	5919.1	5913.1	5865.1	5816.0	5807.6	5732.0	5649.3	5565.3	5451.4	5366.3
36°	5729.6	5697.2	5675.7	5658.9	5626.5	5586.9	5512.6	5446.6	5338.7	5265.5	5145.6
37°	5433.4	5393.9	5414.2	5368.7	5318.3	5301.5	5206.8	5146.8	5055.7	4956.2	4854.2
38°	5088.1	5084.5	5079.7	5059.3	4972.9	4928.6	4889.0	4825.5	4746.3	4626.4	4488.5
39°	4651.6	4658.8	4633.6	4636.0	4592.8	4548.4	4493.3	4421.3	4325.4	4216.3	4104.8
40°	4227.1	4125.1	4143.1	4082.0	4085.6	4019.6	3947.7	3884.1	3822.9	3727.0	3574.7
42.5°	2924.8	2909.2	2855.2	2816.8	2833.6	2748.5	2653.8	2565.0	2479.9	2372.0	2238.8
45°	1580.5	1544.5	1555.3	1493.0	1493.0	1454.6	1428.2	1353.9	1274.7	1225.5	1148.8
47.5°	587.6	594.8	608.0	582.8	554.0	570.8	545.6	545.6	532.4	516.8	495.3
50°	159.5	161.9	159.5	159.5	155.9	153.5	148.7	147.5	146.3	142.7	136.7
52.5°	64.8	61.2	61.2	62.4	62.4	60.0	61.2	61.2	60.0	58.8	58.8
55°	10.8	12.0	12.0	12.0	12.0	10.8	10.8	12.0	13.2	12.0	12.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
2.5°	67.2	58.8	49.2	40.8	32.4	27.6	25.2	26.4
5°	113.9	86.3	56.4	36.0	25.2	19.2	15.6	14.4
7.5°	175.1	118.7	63.6	31.2	19.2	9.6	6.0	4.8
10°	268.6	154.7	68.4	26.4	12.0	2.4	0.0	0.0
12.5°	689.5	189.5	69.6	21.6	4.8	0.0	0.0	0.0
15°	1417.4	289.0	67.2	15.6	1.2	0.0	0.0	0.0
17.5°	2356.4	442.5	58.8	10.8	0.0	0.0	0.0	0.0
20°	3268.9	548.0	46.8	4.8	0.0	0.0	0.0	0.0
21°	3543.5	579.2	42.0	3.6	0.0	0.0	0.0	0.0
22°	3767.8	602.0	37.2	2.4	0.0	0.0	0.0	0.0
23°	3954.9	614.0	32.4	1.2	0.0	0.0	0.0	0.0
24°	4085.6	616.4	30.0	1.2	0.0	0.0	0.0	0.0
25°	4147.9	608.0	26.4	0.0	0.0	0.0	0.0	0.0
26°	4171.9	591.2	24.0	0.0	0.0	0.0	0.0	0.0
27°	4153.9	569.6	21.6	0.0	0.0	0.0	0.0	0.0
28°	4121.5	537.2	18.0	0.0	0.0	0.0	0.0	0.0
29°	4058.0	494.1	15.6	0.0	0.0	0.0	0.0	0.0
30°	3996.8	449.7	13.2	0.0	0.0	0.0	0.0	0.0
31°	3927.3	410.1	10.8	0.0	0.0	0.0	0.0	0.0
32°	3842.1	364.5	8.4	0.0	0.0	0.0	0.0	0.0
33°	3700.6	322.6	6.0	0.0	0.0	0.0	0.0	0.0
34°	3502.8	283.0	4.8	0.0	0.0	0.0	0.0	0.0
35°	3237.8	241.0	3.6	0.0	0.0	0.0	0.0	0.0
36°	2947.6	196.7	2.4	0.0	0.0	0.0	0.0	0.0
37°	2592.6	142.7	2.4	0.0	0.0	0.0	0.0	0.0
38°	2222.1	89.9	1.2	0.0	0.0	0.0	0.0	0.0
39°	1843.1	68.4	1.2	0.0	0.0	0.0	0.0	0.0
40°	1496.6	58.8	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	801.0	39.6	0.0	0.0	0.0	0.0	0.0	0.0
45°	472.5	24.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	263.8	9.6	0.0	0.0	0.0	0.0	0.0	0.0
50°	94.7	2.4	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	37.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	13.2	0.0	0.0	1.2	0.0	0.0	0.0	0.0
57.5°	1.2	0.0	1.2	1.2	0.0	0.0	0.0	0.0
60°	0.0	0.0	1.2	1.2	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	1.2	2.4	0.0	0.0	0.0	0.0
65°	0.0	0.0	2.4	2.4	1.2	0.0	0.0	0.0
67.5°	0.0	1.2	2.4	2.4	1.2	0.0	0.0	0.0
70°	0.0	1.2	2.4	2.4	1.2	0.0	0.0	0.0
72.5°	0.0	1.2	2.4	3.6	1.2	0.0	0.0	0.0
75°	0.0	1.2	2.4	3.6	1.2	0.0	0.0	0.0
77.5°	0.0	1.2	2.4	3.6	1.2	0.0	0.0	0.0
80°	0.0	1.2	2.4	3.6	1.2	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.0	1.2	2.4	3.6	1.2	0.0	0.0	0.0
85°	0.0	1.2	2.4	3.6	1.2	0.0	0.0	0.0
87.5°	0.0	1.2	2.4	3.6	1.2	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)