

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: P1308143

Luminaire Tested: P3SQAS17R259030DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308143
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: P3SQAS17R259030DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

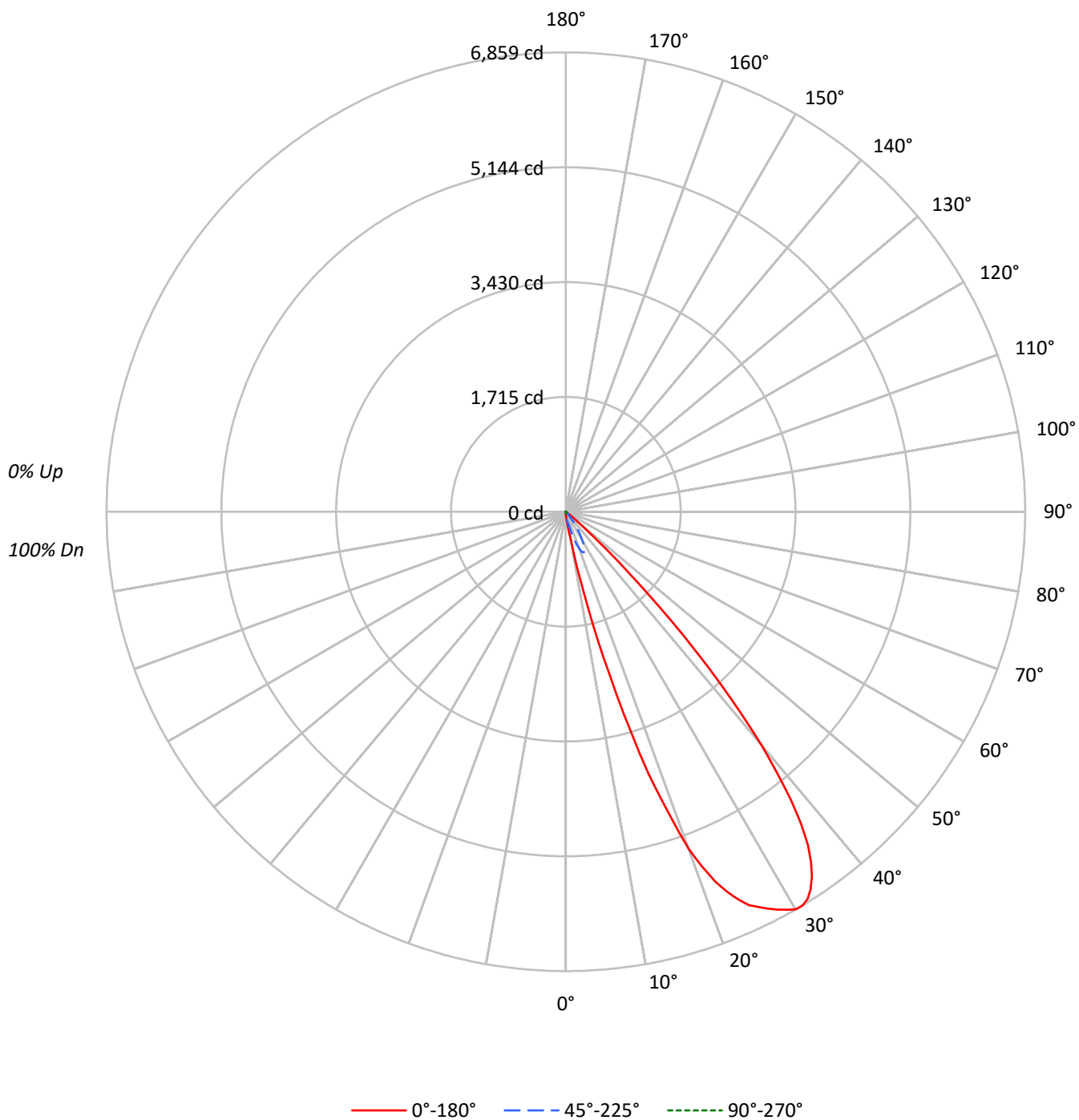
Lumens per Lamp: N/A
Luminaire Lumens: 1344.0 lumens
Efficiency: N/A
Efficacy: 63.4 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
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°	7319	7319	7319	7319	7319
5°	22924	16026	6673	3561	2662
10°	72260	29047	4949	455	0
15°	446868	55308	2978	0	0
20°	979809	107821	935	0	0
25°	1231658	124030	0	0	0
30°	1363442	95992	0	0	0
35°	1342120	54390	0	0	0
40°	1020169	14186	0	0	0
45°	413223	6259	0	0	0
50°	45870	697	0	0	0
55°	3483	0	390	0	0
60°	0	0	448	0	0
65°	0	0	1060	0	0
70°	0	655	1309	0	0
75°	0	865	2595	0	0
80°	0	1289	3868	0	0
85°	0	2569	7707	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 413223 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.6	0.5
10°-20°	138.8	10.3
20°-30°	485.3	36.1
30°-40°	541.3	40.3
40°-50°	163.5	12.2
50°-60°	5.5	0.4
60°-70°	0.7	0.1
70°-80°	1.2	0.1
80°-90°	1.1	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°	630.7	46.9
0°-40°	1172.1	87.2
0°-60°	1341.0	99.8
0°-90°	1344.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1344.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	42	42	42	42	42	
5°	133	93	39	21	15	21
15°	2506	310	17	0	0	833
25°	6482	653	0	0	0	2957
35°	6384	259	0	0	0	3832
45°	1697	26	0	0	0	1465
55°	12	0	1	0	0	36
65°	0	0	3	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°	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
2.5°	73.4	75.9	74.7	75.9	74.7	74.7	74.7	75.9	74.7	74.7	74.7
5°	132.6	133.9	133.9	132.6	132.6	135.2	132.6	133.9	130.0	132.6	131.3
7.5°	217.6	215.0	215.0	216.3	216.3	213.7	212.4	209.8	212.4	212.4	208.5
10°	413.2	410.6	404.2	401.6	404.2	404.2	391.3	393.9	395.2	383.6	379.7
12.5°	1213.9	1204.9	1222.9	1194.6	1177.9	1150.8	1166.3	1113.5	1101.9	1094.2	1076.2
15°	2506.3	2574.6	2545.0	2547.5	2552.7	2488.3	2510.2	2430.4	2363.5	2342.9	2328.7
17.5°	4087.1	4107.7	4080.7	4067.8	4062.7	4031.8	3994.4	3954.5	3903.0	3858.0	3820.7
20°	5346.1	5330.6	5284.3	5289.5	5234.1	5205.8	5173.6	5133.7	5093.8	5028.1	4965.1
21°	5678.2	5633.2	5634.4	5603.6	5602.3	5566.2	5509.6	5468.4	5432.3	5357.7	5317.8
22°	5951.1	5940.8	5917.7	5894.5	5870.0	5852.0	5788.9	5768.3	5695.0	5633.2	5576.5
23°	6163.5	6167.4	6146.8	6131.3	6097.9	6090.1	6009.0	5980.7	5930.5	5836.6	5778.6
24°	6339.9	6333.4	6310.3	6283.2	6263.9	6245.9	6184.1	6137.8	6082.4	6005.2	5948.5
25°	6481.5	6466.0	6450.6	6430.0	6399.1	6378.5	6315.4	6263.9	6216.3	6130.1	6052.8
26°	6565.2	6569.0	6544.6	6529.1	6502.1	6481.5	6415.8	6355.3	6296.1	6203.4	6133.9
27°	6650.1	6646.3	6624.4	6601.2	6572.9	6565.2	6489.2	6426.1	6365.6	6267.8	6185.4
28°	6728.6	6718.3	6700.3	6673.3	6642.4	6619.2	6545.8	6480.2	6414.5	6310.3	6220.2
29°	6794.3	6784.0	6772.4	6737.7	6697.7	6682.3	6603.8	6524.0	6458.3	6351.5	6256.2
30°	6856.1	6836.8	6809.7	6780.1	6741.5	6711.9	6629.5	6560.0	6482.8	6364.3	6272.9
31°	6858.7	6832.9	6813.6	6782.7	6738.9	6702.9	6616.6	6545.8	6455.7	6345.0	6245.9
32°	6813.6	6800.7	6769.8	6736.4	6693.9	6657.8	6562.6	6487.9	6403.0	6284.5	6185.4
33°	6711.9	6699.0	6681.0	6646.3	6590.9	6557.4	6472.5	6390.1	6306.4	6199.6	6086.3
34°	6571.6	6556.1	6533.0	6498.2	6441.6	6406.8	6338.6	6253.6	6164.8	6054.1	5948.5
35°	6383.6	6354.0	6347.6	6296.1	6243.3	6234.3	6153.2	6064.4	5974.3	5852.0	5760.6
36°	6150.7	6115.9	6092.7	6074.7	6039.9	5997.5	5917.7	5846.9	5731.0	5652.5	5523.7
37°	5832.7	5790.2	5812.1	5763.2	5709.1	5691.1	5589.4	5525.0	5427.2	5320.4	5210.9
38°	5462.0	5458.1	5452.9	5431.1	5338.4	5290.7	5248.3	5180.0	5095.1	4966.3	4818.3
39°	4993.4	5001.1	4974.1	4976.6	4930.3	4882.7	4823.5	4746.2	4643.2	4526.1	4406.4
40°	4537.7	4428.3	4447.6	4381.9	4385.8	4315.0	4237.7	4169.5	4103.9	4000.9	3837.4
42.5°	3139.7	3123.0	3065.0	3023.8	3041.9	2950.5	2848.8	2753.5	2662.1	2546.3	2403.4
45°	1696.6	1658.0	1669.6	1602.7	1602.7	1561.5	1533.2	1453.3	1368.4	1315.6	1233.2
47.5°	630.8	638.5	652.7	625.6	594.7	612.7	585.7	585.7	571.6	554.8	531.6
50°	171.2	173.8	171.2	171.2	167.3	164.8	159.6	158.3	157.0	153.2	146.8
52.5°	69.5	65.7	65.7	66.9	66.9	64.4	65.7	65.7	64.4	63.1	63.1
55°	11.6	12.9	12.9	12.9	12.9	11.6	11.6	12.9	14.2	12.9	12.9
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°	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
2.5°	72.1	63.1	52.8	43.8	34.8	29.6	27.0	28.3
5°	122.3	92.7	60.5	38.6	27.0	20.6	16.7	15.4
7.5°	187.9	127.4	68.2	33.5	20.6	10.3	6.4	5.1
10°	288.4	166.1	73.4	28.3	12.9	2.6	0.0	0.0
12.5°	740.2	203.4	74.7	23.2	5.1	0.0	0.0	0.0
15°	1521.6	310.2	72.1	16.7	1.3	0.0	0.0	0.0
17.5°	2529.5	475.0	63.1	11.6	0.0	0.0	0.0	0.0
20°	3509.1	588.3	50.2	5.1	0.0	0.0	0.0	0.0
21°	3803.9	621.8	45.1	3.9	0.0	0.0	0.0	0.0
22°	4044.7	646.2	39.9	2.6	0.0	0.0	0.0	0.0
23°	4245.5	659.1	34.8	1.3	0.0	0.0	0.0	0.0
24°	4385.8	661.7	32.2	1.3	0.0	0.0	0.0	0.0
25°	4452.7	652.7	28.3	0.0	0.0	0.0	0.0	0.0
26°	4478.5	634.6	25.7	0.0	0.0	0.0	0.0	0.0
27°	4459.2	611.5	23.2	0.0	0.0	0.0	0.0	0.0
28°	4424.4	576.7	19.3	0.0	0.0	0.0	0.0	0.0
29°	4356.2	530.4	16.7	0.0	0.0	0.0	0.0	0.0
30°	4290.5	482.7	14.2	0.0	0.0	0.0	0.0	0.0
31°	4215.9	440.3	11.6	0.0	0.0	0.0	0.0	0.0
32°	4124.5	391.3	9.0	0.0	0.0	0.0	0.0	0.0
33°	3972.6	346.3	6.4	0.0	0.0	0.0	0.0	0.0
34°	3760.2	303.8	5.1	0.0	0.0	0.0	0.0	0.0
35°	3475.7	258.7	3.9	0.0	0.0	0.0	0.0	0.0
36°	3164.1	211.1	2.6	0.0	0.0	0.0	0.0	0.0
37°	2783.1	153.2	2.6	0.0	0.0	0.0	0.0	0.0
38°	2385.3	96.5	1.3	0.0	0.0	0.0	0.0	0.0
39°	1978.6	73.4	1.3	0.0	0.0	0.0	0.0	0.0
40°	1606.5	63.1	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	859.9	42.5	0.0	0.0	0.0	0.0	0.0	0.0
45°	507.2	25.7	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	283.2	10.3	0.0	0.0	0.0	0.0	0.0	0.0
50°	101.7	2.6	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	39.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	14.2	0.0	0.0	1.3	0.0	0.0	0.0	0.0
57.5°	1.3	0.0	1.3	1.3	0.0	0.0	0.0	0.0
60°	0.0	0.0	1.3	1.3	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	1.3	2.6	0.0	0.0	0.0	0.0
65°	0.0	0.0	2.6	2.6	1.3	0.0	0.0	0.0
67.5°	0.0	1.3	2.6	2.6	1.3	0.0	0.0	0.0
70°	0.0	1.3	2.6	2.6	1.3	0.0	0.0	0.0
72.5°	0.0	1.3	2.6	3.9	1.3	0.0	0.0	0.0
75°	0.0	1.3	2.6	3.9	1.3	0.0	0.0	0.0
77.5°	0.0	1.3	2.6	3.9	1.3	0.0	0.0	0.0
80°	0.0	1.3	2.6	3.9	1.3	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	1.3	2.6	3.9	1.3	0.0	0.0	0.0
85°	0.0	1.3	2.6	3.9	1.3	0.0	0.0	0.0
87.5°	0.0	1.3	2.6	3.9	1.3	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)