

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: P1314476

Luminaire Tested: P3SQAS17R159735DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314476
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-47)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R159735DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

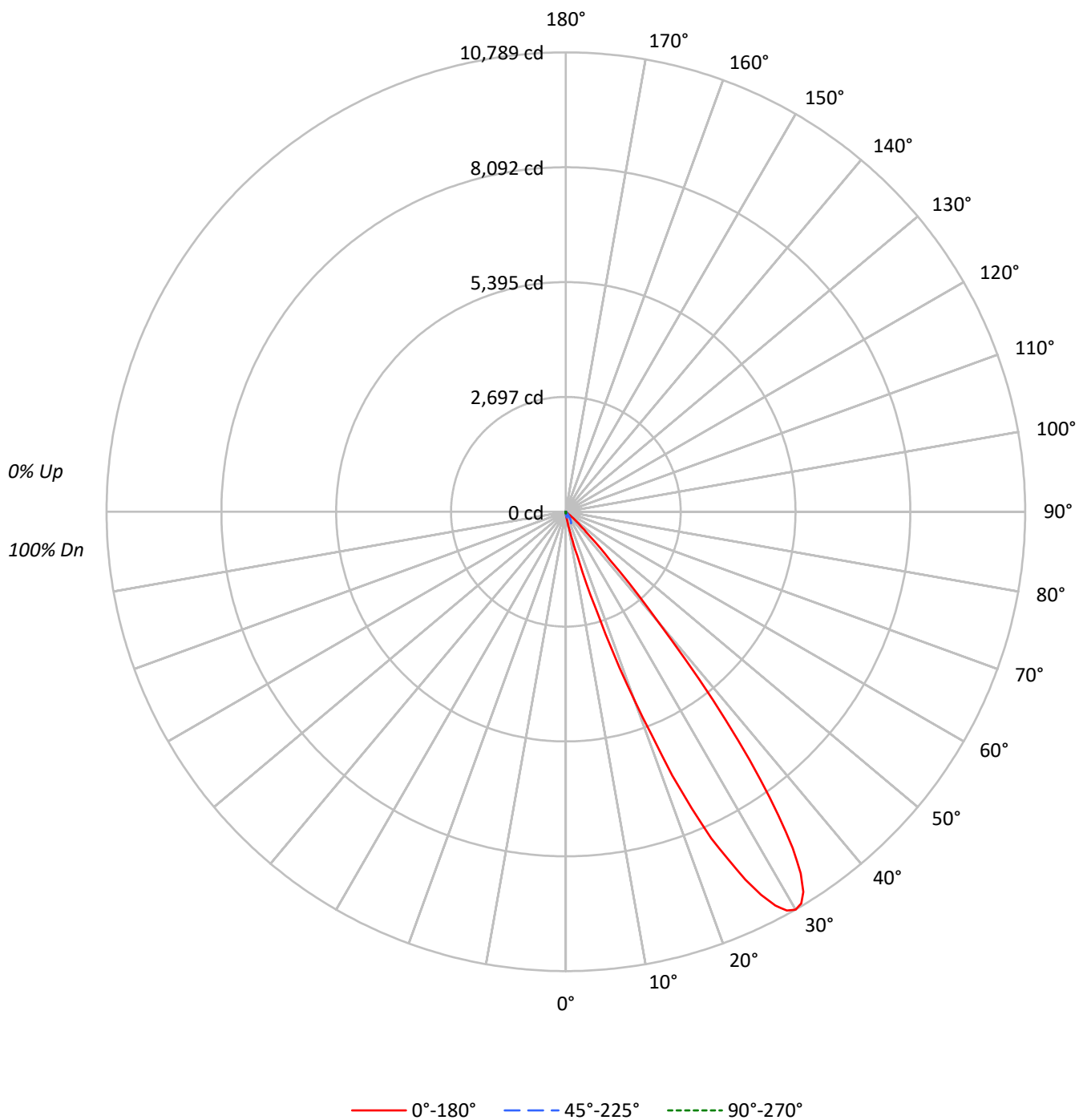
Lumens per Lamp: N/A
Luminaire Lumens: 1141.0 lumens
Efficiency: N/A
Efficacy: 53.8 lumens/watt
Spacing Criteria (0/90/45): 2.33 / 0.38 / 1.17
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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	94	92		
2	106	100	96	92	104	99	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	79	74	70	77	73	70	68		
5	87	77	70	65	85	76	70	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	57	52	74	64	57	52	63	56	52	61	56	52	60	55	51	50		
8	71	59	52	47	69	59	52	47	58	51	47	56	51	47	55	50	46	45		
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41		
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	7027	7027	7027	7027	7027
5°	20331	15352	6016	2489	1660
10°	52884	22874	3987	0	0
15°	211354	37443	2140	0	0
20°	863539	55203	660	0	0
25°	1707028	54728	0	0	0
30°	2145521	43194	0	0	0
35°	1830624	26491	0	0	0
40°	753666	8363	0	0	0
45°	163063	3507	0	0	0
50°	20899	0	0	0	0
55°	1802	0	360	0	0
60°	0	0	827	0	0
65°	0	0	978	0	0
70°	0	604	1813	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: 2°

Vertical Angle: 45°

Luminance: 170662 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.5	0.5
10°-20°	80.0	7.0
20°-30°	466.1	40.8
30°-40°	499.7	43.8
40°-50°	84.3	7.4
50°-60°	2.6	0.2
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°	551.5	48.3
0°-40°	1051.3	92.1
0°-60°	1138.1	99.7
0°-90°	1141.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1141.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	41	41	41	41	41	
5°	118	89	35	14	10	16
15°	1185	210	12	0	0	548
25°	8983	288	0	0	0	4064
35°	8707	126	0	0	0	5004
45°	670	14	0	0	0	791
55°	6	0	1	0	0	15
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°	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
2.5°	74.4	75.6	76.8	76.8	76.8	76.8	75.6	75.6	75.6	75.6	74.4
5°	117.6	117.6	117.6	117.6	117.6	117.6	116.4	116.4	116.4	116.4	116.4
7.5°	168.0	165.6	166.8	163.2	165.6	164.4	163.2	165.6	165.6	159.6	159.6
10°	302.4	301.2	289.2	291.6	294.0	292.8	292.8	285.6	284.4	279.6	274.8
12.5°	583.1	596.3	605.9	605.9	583.1	591.5	575.9	579.5	581.9	574.7	549.5
15°	1185.4	1207.0	1184.2	1205.8	1197.4	1166.2	1131.4	1084.6	1102.6	1070.2	1059.4
17.5°	2596.4	2645.6	2625.2	2525.6	2558.0	2481.2	2433.2	2415.2	2364.9	2214.9	2152.5
20°	4711.7	4771.7	4715.3	4598.9	4636.1	4490.9	4453.7	4418.9	4195.8	4114.2	3852.6
21°	5602.0	5651.2	5672.8	5551.6	5477.2	5362.0	5266.0	5234.8	5099.2	4942.1	4673.3
22°	6677.0	6619.4	6489.8	6506.6	6396.3	6301.5	6168.3	6042.3	5891.1	5671.6	5449.6
23°	7567.3	7500.1	7438.9	7364.5	7245.7	7178.5	6987.8	6849.8	6653.0	6417.9	6204.3
24°	8396.4	8293.2	8254.8	8122.8	8089.2	7938.0	7783.3	7603.3	7365.7	7115.0	6878.6
25°	8983.1	8998.7	8965.1	8949.5	8777.9	8623.1	8469.6	8192.4	7989.6	7767.7	7404.1
26°	9611.8	9619.0	9602.2	9487.0	9332.2	9181.0	8983.1	8741.9	8448.0	8202.0	7873.2
27°	10092.9	10064.1	10040.1	9903.3	9776.2	9585.4	9405.4	9119.9	8833.1	8540.3	8158.8
28°	10476.9	10422.9	10392.9	10275.3	10126.5	9892.5	9671.8	9405.4	9118.7	8804.3	8391.6
29°	10708.4	10650.8	10617.2	10487.7	10316.1	10110.9	9887.7	9595.0	9286.6	8936.3	8521.1
30°	10788.8	10755.2	10702.4	10568.0	10390.5	10176.9	9947.7	9629.8	9307.0	8948.3	8509.1
31°	10736.0	10692.8	10642.4	10497.3	10305.3	10101.3	9835.0	9501.4	9161.9	8819.9	8354.4
32°	10526.0	10499.7	10438.5	10244.1	10088.1	9824.2	9561.4	9249.4	8878.7	8511.5	8090.4
33°	10132.5	10089.3	10036.5	9858.9	9659.8	9406.6	9145.1	8825.9	8457.6	8070.0	7606.9
34°	9532.6	9477.4	9411.4	9292.6	9038.3	8818.7	8516.3	8143.2	7838.4	7466.5	7047.8
35°	8707.1	8626.7	8547.5	8457.6	8172.0	7969.2	7765.3	7440.1	7146.1	6795.8	6321.9
36°	7780.9	7749.7	7684.9	7447.3	7354.9	7079.0	6914.6	6541.4	6303.9	5960.7	5569.6
37°	6733.4	6549.8	6643.4	6510.2	6231.9	6145.5	5949.9	5629.6	5372.8	5010.5	4727.3
38°	5610.4	5490.4	5556.4	5422.0	5276.8	5077.7	4928.9	4694.9	4407.0	4122.6	3853.8
39°	4446.5	4349.4	4421.3	4330.2	4109.4	4026.6	3894.6	3715.9	3484.3	3262.3	3008.0
40°	3352.3	3227.5	3323.5	3193.9	3093.1	2957.6	2890.4	2726.0	2582.0	2448.8	2286.9
42.5°	1531.0	1517.8	1496.2	1449.4	1438.6	1439.8	1357.0	1303.0	1229.8	1144.6	1093.0
45°	669.5	686.3	700.7	674.3	673.1	658.7	653.9	617.9	603.5	575.9	542.3
47.5°	330.0	336.0	332.4	339.5	333.6	324.0	321.6	316.8	302.4	301.2	285.6
50°	78.0	76.8	76.8	78.0	76.8	76.8	75.6	73.2	72.0	73.2	69.6
52.5°	25.2	26.4	25.2	24.0	25.2	26.4	25.2	25.2	25.2	25.2	25.2
55°	6.0	6.0	6.0	6.0	6.0	6.0	4.8	4.8	6.0	6.0	6.0
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°	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
2.5°	73.2	62.4	51.6	40.8	30.0	24.0	22.8	21.6
5°	110.4	88.8	58.8	34.8	20.4	14.4	10.8	9.6
7.5°	148.8	110.4	64.8	28.8	14.4	6.0	2.4	1.2
10°	213.6	130.8	67.2	22.8	7.2	0.0	0.0	0.0
12.5°	418.7	150.0	66.0	18.0	1.2	0.0	0.0	0.0
15°	695.9	210.0	61.2	12.0	0.0	0.0	0.0	0.0
17.5°	1139.8	271.2	52.8	8.4	0.0	0.0	0.0	0.0
20°	1767.3	301.2	40.8	3.6	0.0	0.0	0.0	0.0
21°	2072.1	303.6	36.0	2.4	0.0	0.0	0.0	0.0
22°	2336.1	303.6	31.2	1.2	0.0	0.0	0.0	0.0
23°	2580.8	300.0	27.6	0.0	0.0	0.0	0.0	0.0
24°	2782.4	295.2	25.2	0.0	0.0	0.0	0.0	0.0
25°	2933.6	288.0	22.8	0.0	0.0	0.0	0.0	0.0
26°	3003.2	278.4	19.2	0.0	0.0	0.0	0.0	0.0
27°	3038.0	265.2	16.8	0.0	0.0	0.0	0.0	0.0
28°	3014.0	250.8	14.4	0.0	0.0	0.0	0.0	0.0
29°	2954.0	235.2	10.8	0.0	0.0	0.0	0.0	0.0
30°	2876.0	217.2	8.4	0.0	0.0	0.0	0.0	0.0
31°	2762.0	199.2	6.0	0.0	0.0	0.0	0.0	0.0
32°	2606.0	181.2	4.8	0.0	0.0	0.0	0.0	0.0
33°	2397.2	162.0	2.4	0.0	0.0	0.0	0.0	0.0
34°	2139.3	142.8	1.2	0.0	0.0	0.0	0.0	0.0
35°	1850.1	126.0	0.0	0.0	0.0	0.0	0.0	0.0
36°	1601.8	108.0	0.0	0.0	0.0	0.0	0.0	0.0
37°	1352.2	86.4	0.0	0.0	0.0	0.0	0.0	0.0
38°	1132.6	68.4	0.0	0.0	0.0	0.0	0.0	0.0
39°	937.1	55.2	0.0	0.0	0.0	0.0	0.0	0.0
40°	776.3	37.2	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	429.5	25.2	0.0	0.0	0.0	0.0	0.0	0.0
45°	260.4	14.4	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	151.2	4.8	0.0	0.0	0.0	0.0	0.0	0.0
50°	57.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	19.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	4.8	0.0	0.0	1.2	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0
60°	0.0	0.0	1.2	2.4	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	1.2	2.4	1.2	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	0.0	2.4	3.6	1.2	0.0	0.0	0.0
70°	0.0	1.2	2.4	3.6	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)