

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: P1309408

Luminaire Tested: P3SQAS20R259035D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309408
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: P3SQAS20R259035D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

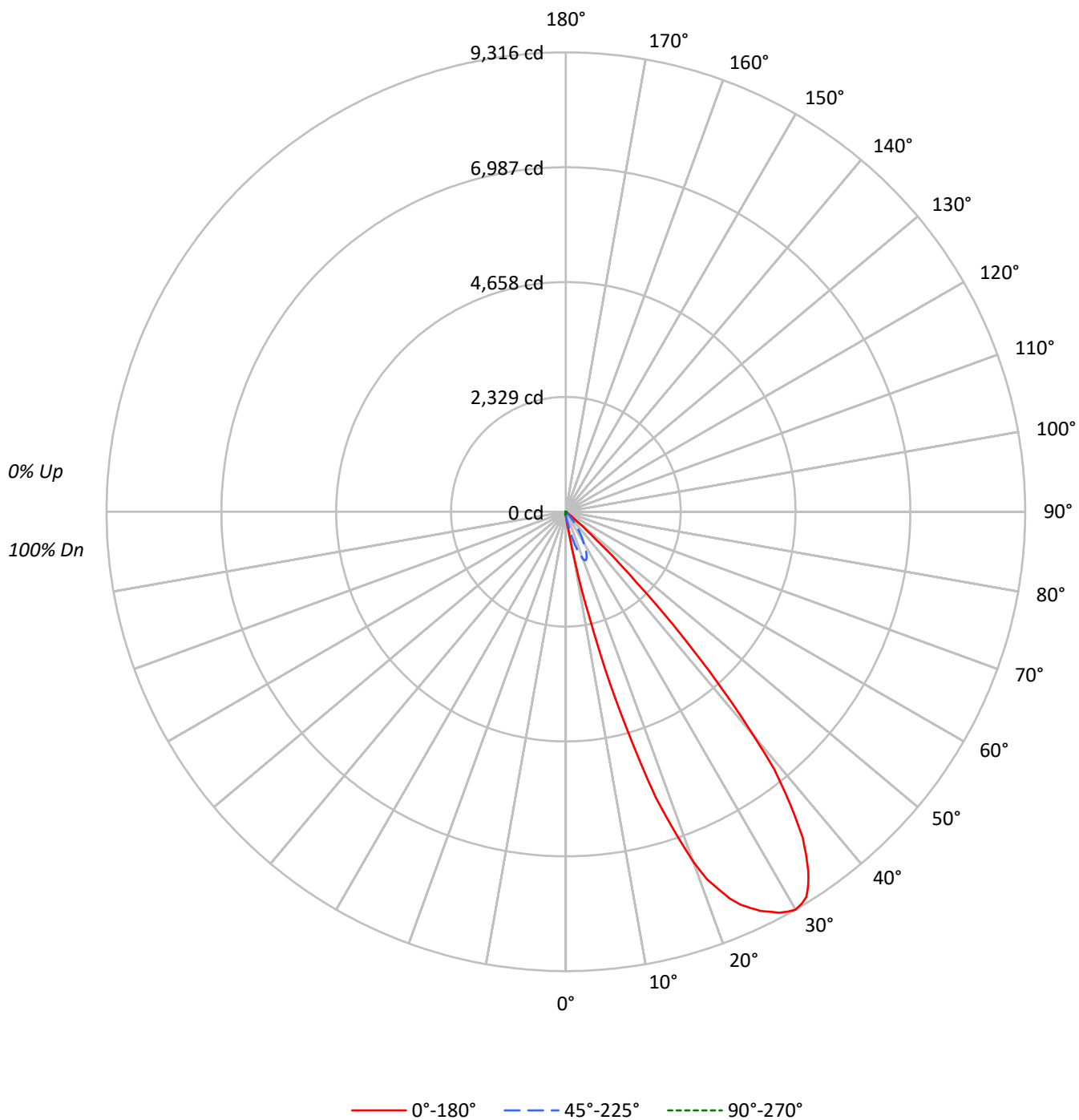
Lumens per Lamp: N/A
Luminaire Lumens: 1864.0 lumens
Efficiency: N/A
Efficacy: 64.7 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	13778	13778	13778	13778	13778
5°	34576	25552	12931	6621	5117
10°	151166	43493	10650	3043	2134
15°	718773	117213	7435	1248	927
20°	1383657	187747	4783	312	312
25°	1685137	189362	2641	0	0
30°	1852731	144913	1034	0	0
35°	1785443	92150	357	0	0
40°	1334063	39883	0	0	382
45°	493890	10595	414	414	1267
50°	58248	1393	938	938	1876
55°	5735	0	1051	1561	2612
60°	586	0	1791	2411	2997
65°	693	693	2853	3545	4238
70°	856	856	3525	3525	5237
75°	1131	1131	3460	3460	4658
80°	0	1686	5157	3471	5157
85°	0	3359	10275	3359	3359

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 493890 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.6	0.6
10°-20°	217.3	11.7
20°-30°	682.1	36.6
30°-40°	718.0	38.5
40°-50°	210.9	11.3
50°-60°	11.3	0.6
60°-70°	5.5	0.3
70°-80°	4.7	0.3
80°-90°	2.4	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°	911.1	48.9
0°-40°	1629.1	87.4
0°-60°	1851.3	99.3
0°-90°	1864.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1864.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	80	80	80	80	80	
5°	200	148	75	38	30	36
15°	4031	657	42	7	5	1271
25°	8868	996	14	0	0	4067
35°	8492	438	2	0	0	5124
45°	2028	44	2	2	5	1843
55°	19	0	4	5	9	49
65°	2	2	7	9	10	2
75°	2	2	5	5	7	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°	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
2.5°	123.5	125.2	120.0	123.5	120.0	118.3	116.5	107.8	93.9	80.0	66.1
5°	200.0	200.0	191.3	189.6	186.1	179.1	172.2	147.8	106.1	74.8	52.2
7.5°	313.0	311.3	307.8	299.1	281.7	264.3	247.0	193.0	116.5	69.6	40.0
10°	864.4	852.2	836.5	742.6	636.5	542.6	460.9	248.7	125.2	60.9	29.6
12.5°	2147.8	2078.3	1913.0	1725.2	1485.2	1233.0	986.1	405.2	128.7	50.4	20.9
15°	4031.3	3887.0	3629.6	3253.9	2763.5	2212.2	1742.6	657.4	125.2	41.7	15.7
17.5°	6087.0	5947.8	5591.3	5020.9	4299.1	3452.2	2620.9	871.3	116.5	34.8	10.4
20°	7549.6	7401.8	7067.8	6462.6	5681.8	4553.1	3450.4	1024.4	109.6	26.1	5.2
21°	7977.4	7829.6	7476.5	6892.2	6071.3	4939.1	3716.5	1050.4	104.3	22.6	3.5
22°	8248.7	8161.8	7782.6	7215.7	6379.1	5248.7	3944.4	1062.6	100.9	20.9	3.5
23°	8521.8	8391.3	8036.5	7438.3	6613.9	5478.3	4113.1	1053.9	97.4	17.4	1.7
24°	8723.5	8613.9	8201.8	7610.5	6777.4	5619.1	4212.2	1031.3	92.2	15.7	1.7
25°	8867.9	8767.0	8337.4	7727.0	6887.0	5695.7	4243.5	996.5	87.0	13.9	1.7
26°	9005.2	8895.7	8450.5	7794.8	6944.4	5720.0	4213.9	958.3	81.7	12.2	0.0
27°	9104.4	8993.1	8528.7	7834.8	6947.8	5690.5	4133.9	906.1	76.5	10.4	0.0
28°	9210.5	9081.8	8582.6	7857.4	6927.0	5620.9	4019.1	850.4	73.0	8.7	0.0
29°	9274.8	9153.1	8638.3	7881.8	6883.5	5504.4	3852.2	784.4	64.3	5.2	0.0
30°	9316.5	9172.2	8633.1	7855.7	6826.1	5379.1	3652.2	728.7	55.7	5.2	0.0
31°	9281.8	9130.5	8577.4	7782.6	6733.9	5215.7	3447.0	659.1	45.2	3.5	0.0
32°	9207.0	9027.9	8480.0	7655.7	6568.7	5005.2	3234.8	601.7	33.0	3.5	0.0
33°	9024.4	8873.1	8304.4	7485.2	6353.1	4720.0	2958.3	546.1	22.6	1.7	0.0
34°	8794.8	8643.5	8064.4	7257.4	6064.4	4351.3	2622.6	488.7	19.1	1.7	0.0
35°	8492.2	8342.6	7793.1	6939.2	5681.8	3907.8	2276.5	438.3	15.7	1.7	0.0
36°	8173.9	7975.7	7450.5	6600.0	5168.7	3403.5	1906.1	380.9	12.2	1.7	0.0
37°	7706.1	7572.2	6989.6	6083.5	4613.9	2920.0	1636.5	328.7	8.7	1.7	0.0
38°	7220.9	7097.4	6528.7	5563.5	3994.8	2441.7	1370.4	278.3	7.0	0.0	0.0
39°	6720.0	6514.8	5953.1	4897.4	3346.1	2045.2	1153.0	233.0	3.5	0.0	0.0
40°	5933.9	5777.4	5177.4	4097.4	2768.7	1657.4	982.6	177.4	3.5	0.0	0.0
42.5°	3933.9	3787.8	3158.3	2222.6	1471.3	968.7	648.7	69.6	0.0	1.7	0.0
45°	2027.8	1935.7	1572.2	1163.5	834.8	594.8	417.4	43.5	0.0	1.7	1.7
47.5°	805.2	789.6	713.0	615.7	474.8	353.0	227.8	19.1	0.0	1.7	1.7
50°	217.4	219.1	205.2	189.6	172.2	161.7	95.7	5.2	0.0	3.5	1.7
52.5°	92.2	93.9	90.4	85.2	76.5	57.4	38.3	1.7	1.7	3.5	3.5
55°	19.1	20.9	22.6	24.3	27.8	24.3	15.7	0.0	1.7	3.5	3.5
57.5°	3.5	3.5	3.5	3.5	5.2	5.2	3.5	0.0	1.7	3.5	5.2
60°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	3.5	5.2	5.2
62.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.5	5.2	7.0
65°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.5	7.0	7.0
67.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	5.2	7.0	7.0
70°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	5.2	7.0	7.0
72.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	5.2	7.0	5.2
75°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	5.2	5.2	5.2
77.5°	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	3.5	5.2	5.2
80°	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	3.5	5.2	3.5



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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	1.7	1.7	3.5	5.2	3.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.5	5.2	3.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.5	5.2	3.5
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°	80.0	80.0	80.0
2.5°	55.7	50.4	48.7
5°	38.3	33.0	29.6
7.5°	26.1	20.9	19.1
10°	17.4	13.9	12.2
12.5°	12.2	7.0	7.0
15°	7.0	5.2	5.2
17.5°	3.5	1.7	1.7
20°	1.7	1.7	1.7
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	1.7
39°	0.0	1.7	1.7
40°	0.0	1.7	1.7
42.5°	0.0	1.7	3.5
45°	1.7	3.5	5.2
47.5°	3.5	5.2	7.0
50°	3.5	7.0	7.0
52.5°	5.2	7.0	8.7
55°	5.2	8.7	8.7
57.5°	7.0	8.7	10.4
60°	7.0	8.7	8.7
62.5°	7.0	10.4	10.4
65°	8.7	10.4	10.4
67.5°	8.7	10.4	10.4
70°	7.0	8.7	10.4
72.5°	7.0	8.7	8.7
75°	5.2	7.0	7.0
77.5°	5.2	5.2	7.0
80°	3.5	5.2	5.2



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	3.5	3.5	3.5
85°	1.7	1.7	1.7
87.5°	1.7	1.7	1.7
90°	0.0	0.0	0.0

(END OF REPORT)