

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: P1306200

Luminaire Tested: P3SQAS20R259024D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306200
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: P3SQAS20R259024D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

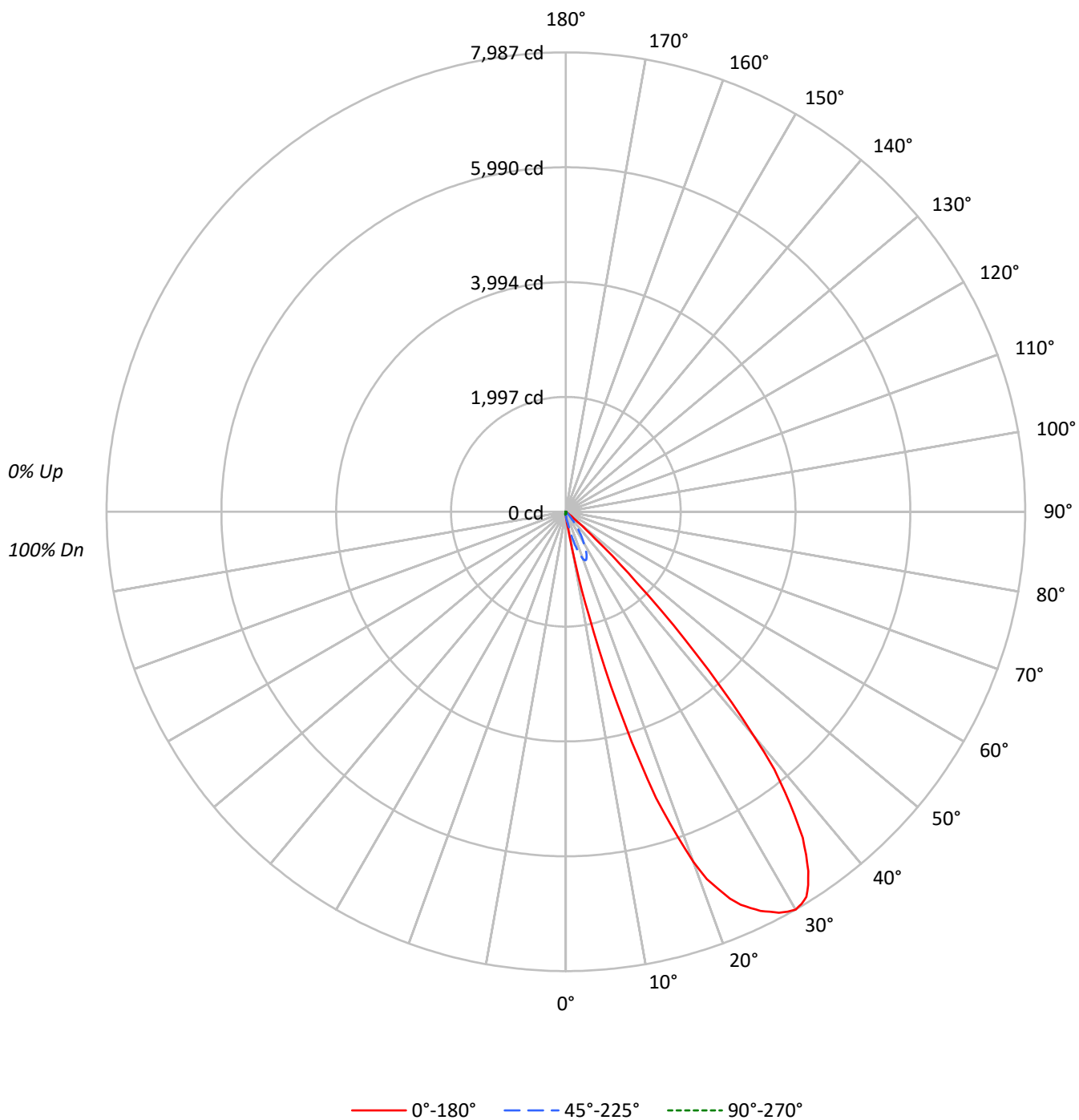
Lumens per Lamp: N/A
Luminaire Lumens: 1598.1 lumens
Efficiency: N/A
Efficacy: 55.5 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	103	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°	11814	11814	11814	11814	11814
5°	29649	21904	11082	5670	4374
10°	129586	37284	9129	2606	1819
15°	616198	100489	6383	1070	802
20°	1186196	160953	4105	275	275
25°	1444659	162340	2261	0	0
30°	1588339	124231	895	0	0
35°	1530647	78989	315	0	0
40°	1143685	34195	0	0	337
45°	423428	9085	365	365	1096
50°	49942	1206	804	804	1608
55°	4924	0	901	1351	2252
60°	517	0	1550	2067	2583
65°	611	611	2445	3056	3627
70°	755	755	3021	3021	4482
75°	998	998	2994	2994	3993
80°	0	1488	4463	2975	4463
85°	0	2964	8892	2964	2964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 423428 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.0	0.6
10°-20°	186.3	11.7
20°-30°	584.8	36.6
30°-40°	615.6	38.5
40°-50°	180.9	11.3
50°-60°	9.7	0.6
60°-70°	4.7	0.3
70°-80°	4.1	0.3
80°-90°	2.1	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°	781.0	48.9
0°-40°	1396.6	87.4
0°-60°	1587.2	99.3
0°-90°	1598.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1598.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	69	69	69	69	69	
5°	172	127	64	33	25	31
15°	3456	564	36	6	4	1089
25°	7602	854	12	0	0	3487
35°	7280	376	2	0	0	4393
45°	1738	37	2	2	4	1580
55°	16	0	3	4	8	42
65°	2	2	6	8	9	1
75°	2	2	4	4	6	1
85°	0	2	4	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°	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
2.5°	105.9	107.3	102.9	105.9	102.9	101.4	99.9	92.4	80.5	68.6	56.7
5°	171.5	171.5	164.0	162.5	159.5	153.6	147.6	126.7	90.9	64.1	44.7
7.5°	268.4	266.9	263.9	256.4	241.5	226.6	211.7	165.5	99.9	59.6	34.3
10°	741.0	730.6	717.1	636.6	545.7	465.2	395.1	213.2	107.3	52.2	25.3
12.5°	1841.3	1781.7	1640.0	1479.0	1273.3	1057.1	845.4	347.4	110.3	43.2	17.9
15°	3456.0	3332.3	3111.6	2789.6	2369.1	1896.5	1493.9	563.6	107.3	35.8	13.4
17.5°	5218.3	5099.1	4793.4	4304.4	3685.6	2959.5	2246.9	747.0	99.9	29.8	8.9
20°	6472.2	6345.5	6059.2	5540.4	4870.9	3903.3	2958.1	878.2	93.9	22.4	4.5
21°	6839.0	6712.3	6409.6	5908.7	5204.9	4234.3	3186.2	900.5	89.5	19.4	3.0
22°	7071.6	6997.0	6672.0	6186.0	5468.8	4499.7	3381.5	911.0	86.5	17.9	3.0
23°	7305.7	7193.9	6889.7	6376.8	5670.1	4696.5	3526.1	903.5	83.5	14.9	1.5
24°	7478.6	7384.7	7031.3	6524.4	5810.2	4817.3	3611.1	884.1	79.0	13.4	1.5
25°	7602.4	7515.9	7147.6	6624.3	5904.2	4882.9	3637.9	854.3	74.5	11.9	1.5
26°	7720.2	7626.2	7244.5	6682.5	5953.4	4903.7	3612.6	821.5	70.1	10.4	0.0
27°	7805.1	7709.7	7311.6	6716.7	5956.4	4878.4	3544.0	776.8	65.6	8.9	0.0
28°	7896.1	7785.8	7357.9	6736.1	5938.5	4818.8	3445.6	729.1	62.6	7.5	0.0
29°	7951.3	7846.9	7405.6	6757.0	5901.2	4718.9	3302.5	672.4	55.2	4.5	0.0
30°	7987.0	7863.3	7401.1	6734.6	5852.0	4611.5	3131.0	624.7	47.7	4.5	0.0
31°	7957.2	7827.5	7353.4	6672.0	5773.0	4471.4	2955.1	565.1	38.8	3.0	0.0
32°	7893.1	7739.5	7269.9	6563.2	5631.3	4291.0	2773.2	515.9	28.3	3.0	0.0
33°	7736.6	7606.8	7119.3	6417.1	5446.5	4046.4	2536.1	468.2	19.4	1.5	0.0
34°	7539.8	7410.0	6913.6	6221.8	5199.0	3730.4	2248.4	419.0	16.4	1.5	0.0
35°	7280.3	7152.1	6681.0	5948.9	4870.9	3350.2	1951.7	375.7	13.4	1.5	0.0
36°	7007.5	6837.5	6387.2	5658.2	4431.1	2917.8	1634.1	326.5	10.4	1.5	0.0
37°	6606.4	6491.6	5992.1	5215.4	3955.5	2503.3	1403.0	281.8	7.5	1.5	0.0
38°	6190.4	6084.6	5597.0	4769.6	3424.7	2093.3	1174.9	238.6	6.0	0.0	0.0
39°	5761.0	5585.1	5103.5	4198.5	2868.6	1753.4	988.5	199.8	3.0	0.0	0.0
40°	5087.1	4953.0	4438.6	3512.7	2373.6	1420.9	842.4	152.1	3.0	0.0	0.0
42.5°	3372.5	3247.3	2707.6	1905.4	1261.3	830.5	556.1	59.6	0.0	1.5	0.0
45°	1738.5	1659.4	1347.8	997.4	715.7	509.9	357.8	37.3	0.0	1.5	1.5
47.5°	690.3	676.9	611.3	527.8	407.0	302.7	195.3	16.4	0.0	1.5	1.5
50°	186.4	187.9	175.9	162.5	147.6	138.7	82.0	4.5	0.0	3.0	1.5
52.5°	79.0	80.5	77.5	73.1	65.6	49.2	32.8	1.5	1.5	3.0	3.0
55°	16.4	17.9	19.4	20.9	23.9	20.9	13.4	0.0	1.5	3.0	3.0
57.5°	3.0	3.0	3.0	3.0	4.5	4.5	3.0	0.0	1.5	3.0	4.5
60°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	3.0	4.5	4.5
62.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	4.5	6.0
65°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	6.0	6.0
67.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	4.5	6.0	6.0
70°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	4.5	6.0	6.0
72.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	4.5	6.0	4.5
75°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	4.5	4.5	4.5
77.5°	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	3.0	4.5	4.5
80°	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	3.0	4.5	3.0



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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	1.5	1.5	3.0	4.5	3.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.0	4.5	3.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.0	4.5	3.0
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):

	135°	157.5°	180°
0°	68.6	68.6	68.6
2.5°	47.7	43.2	41.7
5°	32.8	28.3	25.3
7.5°	22.4	17.9	16.4
10°	14.9	11.9	10.4
12.5°	10.4	6.0	6.0
15°	6.0	4.5	4.5
17.5°	3.0	1.5	1.5
20°	1.5	1.5	1.5
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	1.5
39°	0.0	1.5	1.5
40°	0.0	1.5	1.5
42.5°	0.0	1.5	3.0
45°	1.5	3.0	4.5
47.5°	3.0	4.5	6.0
50°	3.0	6.0	6.0
52.5°	4.5	6.0	7.5
55°	4.5	7.5	7.5
57.5°	6.0	7.5	8.9
60°	6.0	7.5	7.5
62.5°	6.0	8.9	8.9
65°	7.5	8.9	8.9
67.5°	7.5	8.9	8.9
70°	6.0	7.5	8.9
72.5°	6.0	7.5	7.5
75°	4.5	6.0	6.0
77.5°	4.5	4.5	6.0
80°	3.0	4.5	4.5



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	3.0	3.0	3.0
85°	1.5	1.5	1.5
87.5°	1.5	1.5	1.5
90°	0.0	0.0	0.0

(END OF REPORT)