

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: P1317406

Luminaire Tested: P3SQAS20R309830D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317406
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R309830D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

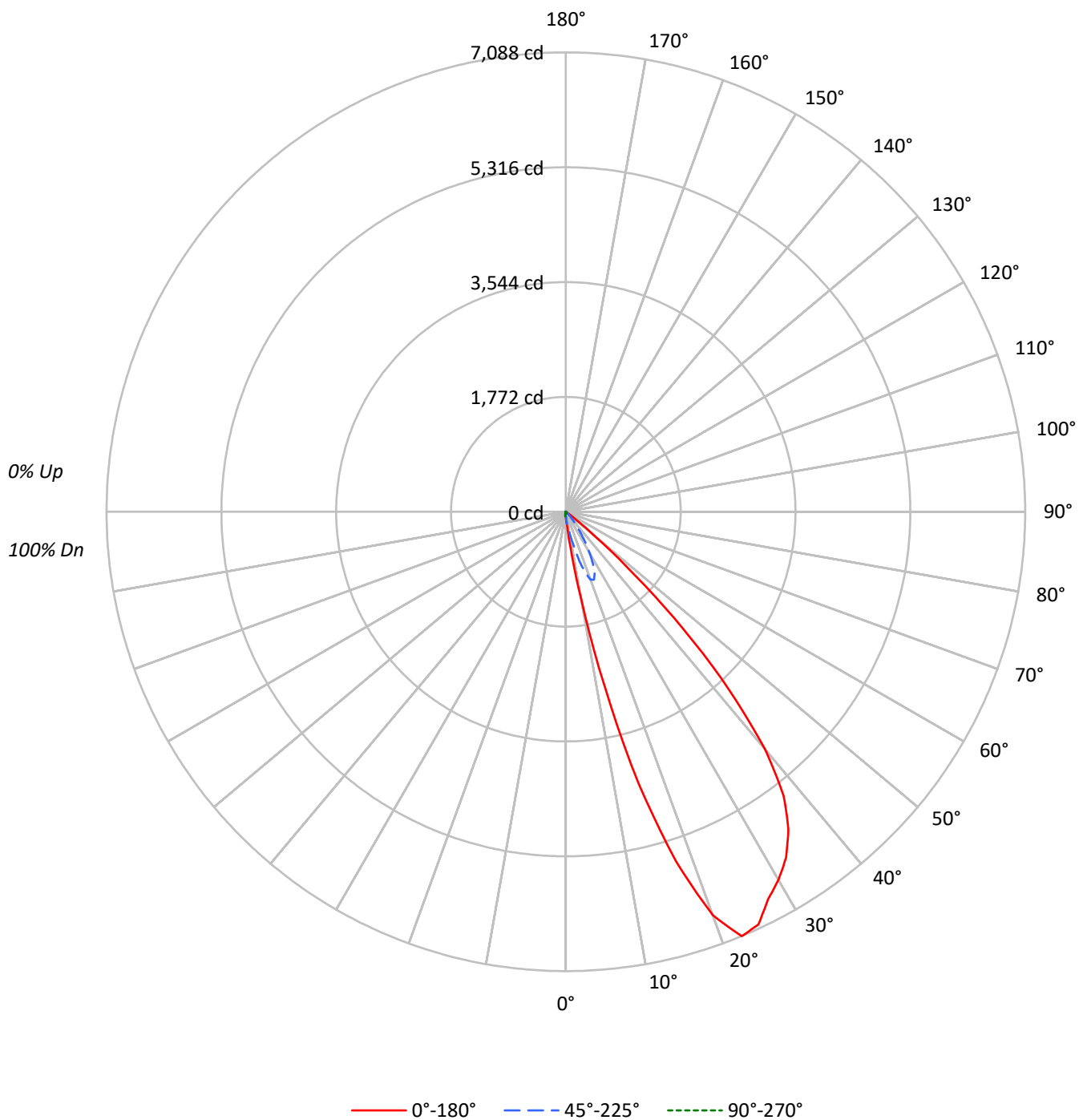
Lumens per Lamp: N/A
Luminaire Lumens: 1671.0 lumens
Efficiency: N/A
Efficacy: 61.0 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	13674	13674	13674	13674	13674
5°	41180	27453	12931	5809	4754
10°	238448	58217	10143	2676	1871
15°	775632	132047	7078	553	267
20°	1213687	204279	4472	0	0
25°	1335279	199623	2318	0	0
30°	1304180	143939	915	0	0
35°	1258737	81869	315	0	0
40°	1073451	34667	0	0	0
45°	629991	13006	365	0	365
50°	153015	2465	402	402	1232
55°	13302	0	931	1381	1832
60°	517	0	1068	1584	2618
65°	611	611	1875	1875	3097
70°	755	755	2316	2316	3072
75°	0	998	3061	3061	3061
80°	0	1488	4562	3075	3075
85°	0	2964	9090	2964	2964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 629991 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.6	0.9
10°-20°	229.7	13.7
20°-30°	583.6	34.9
30°-40°	581.7	34.8
40°-50°	235.7	14.1
50°-60°	16.3	1.0
60°-70°	3.7	0.2
70°-80°	3.7	0.2
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°	827.9	49.5
0°-40°	1409.6	84.4
0°-60°	1661.5	99.4
0°-90°	1671.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1671.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	79	79	79	79	79	
5°	238	159	75	34	28	55
15°	4350	741	40	3	2	1266
25°	7027	1050	12	0	0	3173
35°	5987	389	2	0	0	3670
45°	2587	53	2	0	2	1973
55°	44	0	3	5	6	116
65°	2	2	5	5	8	1
75°	0	2	5	5	5	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°	35°	40°	45°	67.5°
0°	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
2.5°	131.3	132.8	132.8	129.8	128.3	128.3	123.7	122.2	117.6	113.0	97.7
5°	238.2	233.6	227.5	227.5	213.8	206.1	195.4	183.2	174.1	158.8	113.0
7.5°	540.5	503.9	493.2	479.5	427.5	386.3	339.0	297.7	259.6	227.5	125.2
10°	1363.5	1291.8	1232.2	1111.6	960.4	815.4	681.0	525.3	418.4	332.9	134.4
12.5°	2746.9	2650.7	2536.2	2316.3	2033.8	1672.0	1351.3	1009.3	708.5	490.1	137.4
15°	4350.2	4186.8	4008.1	3728.7	3266.1	2746.9	2168.2	1623.1	1137.5	740.6	134.4
17.5°	5657.2	5593.1	5328.9	4947.2	4380.7	3711.9	2998.9	2253.7	1534.5	969.6	125.2
20°	6622.2	6577.9	6258.8	5852.7	5214.4	4447.9	3542.4	2647.7	1810.9	1114.6	111.5
22.5°	7087.9	7080.3	6849.7	6434.4	5758.0	4889.2	3892.1	2875.2	1896.4	1134.5	93.1
25°	7026.8	7054.3	6923.0	6614.6	5965.6	5070.9	3995.9	2875.2	1833.8	1050.5	77.9
27.5°	6748.9	6767.3	6684.8	6448.1	5843.5	4939.6	3850.9	2690.4	1652.1	902.4	64.1
30°	6558.1	6565.7	6463.4	6209.9	5568.6	4640.3	3508.8	2348.4	1377.3	723.8	47.3
32.5°	6326.0	6324.5	6205.4	5915.3	5208.3	4220.4	3075.2	1940.7	1058.1	549.7	27.5
35°	5987.0	5948.8	5787.0	5452.6	4670.8	3655.4	2520.9	1478.1	761.9	389.4	16.8
37.5°	5521.3	5422.1	5193.0	4745.6	3916.5	2866.0	1868.9	1038.3	520.7	258.0	10.7
40°	4774.7	4669.3	4357.8	3814.2	2962.2	2062.9	1259.7	676.4	328.3	154.2	6.1
42.5°	3744.0	3672.2	3252.3	2710.3	1956.0	1316.2	757.3	400.1	184.8	88.6	1.5
45°	2586.6	2493.4	2163.6	1704.0	1174.2	729.9	424.5	209.2	105.4	53.4	0.0
47.5°	1427.7	1313.1	1122.3	882.6	590.9	383.3	213.8	113.0	59.5	26.0	0.0
50°	571.1	566.5	450.4	320.7	226.0	174.1	106.9	61.1	30.5	9.2	1.5
52.5°	200.0	200.0	172.5	140.5	109.9	79.4	53.4	29.0	10.7	3.1	1.5
55°	44.3	48.9	45.8	42.8	41.2	35.1	22.9	10.7	3.1	0.0	1.5
57.5°	4.6	4.6	4.6	6.1	7.6	7.6	6.1	3.1	0.0	0.0	1.5
60°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	3.1
62.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	1.5	1.5	3.1
65°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.1
67.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.1
70°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	4.6
72.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	4.6
75°	0.0	0.0	1.5	1.5	0.0	1.5	1.5	1.5	1.5	1.5	4.6
77.5°	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	3.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	3.1
82.5°	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5	3.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	3.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	3.1
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):

	90°	112.5°	135°	157.5°	180°
0°	79.4	79.4	79.4	79.4	79.4
2.5°	79.4	62.6	51.9	45.8	44.3
5°	74.8	47.3	33.6	29.0	27.5
7.5°	67.2	35.1	22.9	18.3	16.8
10°	58.0	26.0	15.3	10.7	10.7
12.5°	48.9	19.8	9.2	4.6	3.1
15°	39.7	12.2	3.1	1.5	1.5
17.5°	30.5	7.6	0.0	0.0	0.0
20°	24.4	3.1	0.0	0.0	0.0
22.5°	18.3	1.5	0.0	0.0	0.0
25°	12.2	0.0	0.0	0.0	0.0
27.5°	7.6	0.0	0.0	0.0	0.0
30°	4.6	0.0	0.0	0.0	0.0
32.5°	1.5	0.0	0.0	0.0	0.0
35°	1.5	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	1.5	0.0	0.0	1.5	1.5
47.5°	1.5	1.5	1.5	3.1	3.1
50°	1.5	1.5	1.5	3.1	4.6
52.5°	3.1	1.5	3.1	4.6	4.6
55°	3.1	3.1	4.6	6.1	6.1
57.5°	3.1	3.1	4.6	6.1	6.1
60°	3.1	3.1	4.6	6.1	7.6
62.5°	4.6	4.6	4.6	6.1	6.1
65°	4.6	4.6	4.6	6.1	7.6
67.5°	4.6	4.6	4.6	6.1	7.6
70°	4.6	4.6	4.6	6.1	6.1
72.5°	6.1	4.6	4.6	6.1	6.1
75°	4.6	4.6	4.6	4.6	4.6
77.5°	4.6	4.6	3.1	4.6	4.6
80°	4.6	3.1	3.1	3.1	3.1
82.5°	4.6	3.1	3.1	3.1	3.1
85°	4.6	3.1	1.5	1.5	1.5
87.5°	4.6	3.1	1.5	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)