

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: P1313744

Luminaire Tested: P3SQAS20R409730D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313744
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R409730D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 97CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

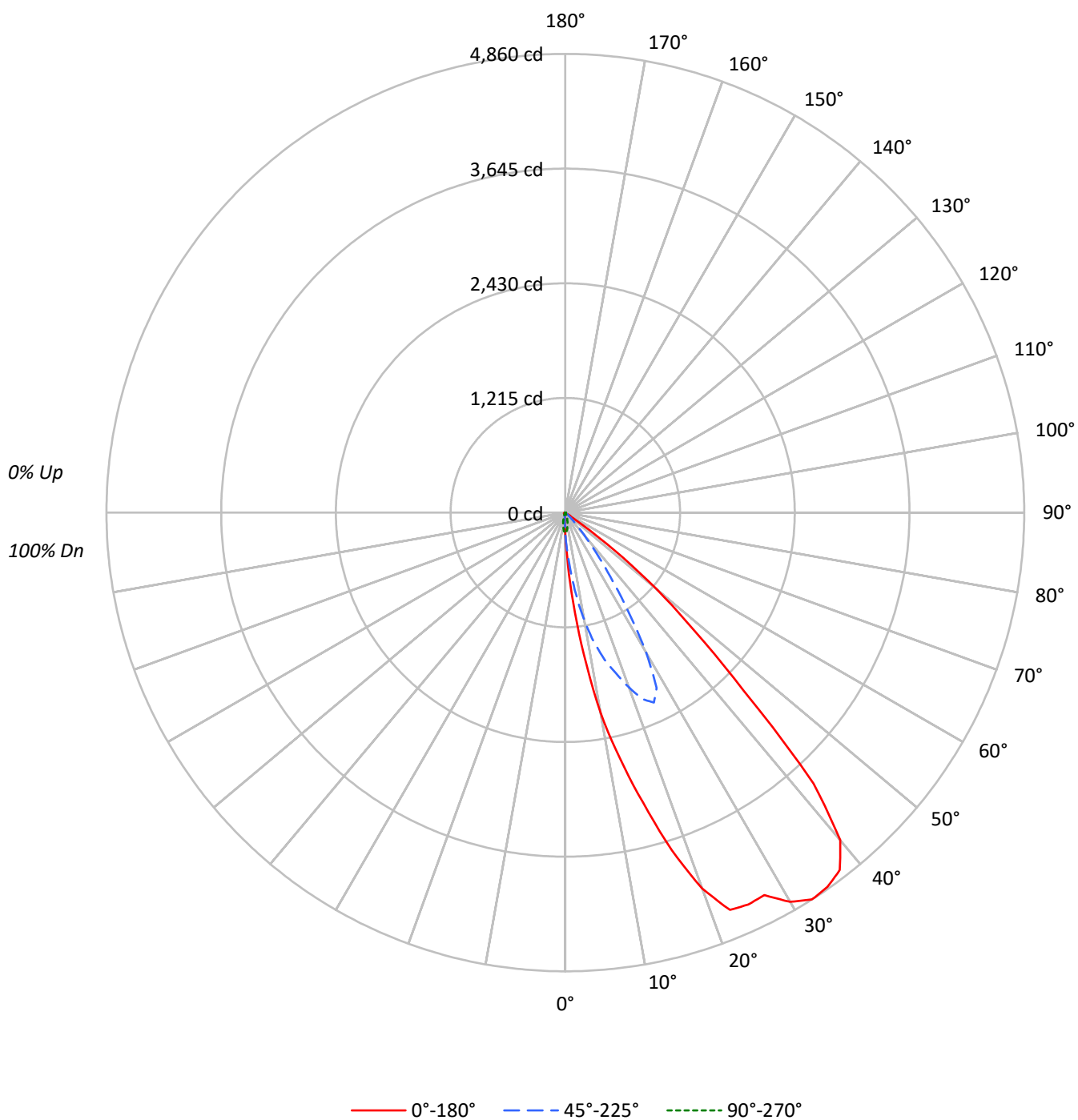
Lumens per Lamp: N/A
Luminaire Lumens: 1793.0 lumens
Efficiency: N/A
Efficacy: 62.3 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			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	112	109	106	104	110	107	104	102	103	101	99		99	97	96		96	94	93	91
2	105	100	95	91	103	98	94	90	95	91	88		92	89	86		89	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82	79	76	74
4	92	83	77	71	90	82	76	71	80	74	70		78	73	69		76	72	68	67
5	86	76	69	64	84	75	68	64	73	67	63		71	66	62		70	65	62	60
6	80	70	62	57	79	69	62	57	67	61	57		66	60	56		64	60	56	54
7	75	64	57	52	74	63	56	52	62	56	51		61	55	51		59	54	51	49
8	70	59	52	47	69	58	51	47	57	51	46		56	50	46		55	50	46	44
9	66	54	47	42	65	54	47	42	53	46	42		52	46	42		51	46	42	40
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°	36546	36546	36546	36546	36546
5°	164790	105059	32744	12568	9163
10°	377914	203000	23049	4512	3445
15°	567130	288023	14317	2425	2157
20°	776557	361053	8339	1393	1668
25°	870531	421878	4314	1159	1444
30°	946879	340537	1810	895	1511
35°	1017628	174272	631	1282	1913
40°	1018011	69492	337	1371	2383
45°	649963	23260	731	2216	3312
50°	337405	2840	1206	2840	4073
55°	29125	450	1351	3633	5014
60°	1033	517	1550	4168	5752
65°	1223	611	2486	4320	6194
70°	755	755	3072	4582	6093
75°	998	998	2994	5057	7053
80°	1488	1488	4463	4463	6050
85°	0	2964	8892	5928	5928

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 649963 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.3	2.3
10°-20°	242.7	13.5
20°-30°	531.5	29.6
30°-40°	605.5	33.8
40°-50°	319.5	17.8
50°-60°	37.7	2.1
60°-70°	6.8	0.4
70°-80°	5.6	0.3
80°-90°	2.5	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°	815.5	45.5
0°-40°	1421.0	79.3
0°-60°	1778.1	99.2
0°-90°	1793.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1793.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	212	212	212	212	212	
5°	953	608	189	73	53	128
15°	3181	1615	80	14	12	937
25°	4581	2220	23	6	8	2111
35°	4840	829	3	6	9	3000
45°	2669	96	3	9	14	2151
55°	97	2	4	12	17	301
65°	3	2	6	11	15	3
75°	2	2	4	8	11	2
85°	0	2	4	3	3	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°	212.2	212.2	212.2	212.2	212.2	212.2	212.2	212.2	212.2	212.2	212.2
2.5°	472.8	472.8	471.3	457.7	456.1	454.6	430.4	424.3	395.5	375.8	286.4
5°	953.2	932.0	930.5	906.2	865.3	810.7	775.9	719.8	665.3	607.7	353.1
7.5°	1518.4	1536.6	1486.6	1460.9	1369.9	1304.8	1204.8	1116.9	994.1	878.9	407.6
10°	2161.0	2129.2	2079.1	2029.1	1930.6	1813.9	1665.4	1509.4	1332.0	1160.8	438.0
12.5°	2662.6	2621.7	2591.4	2523.2	2426.2	2276.1	2098.8	1889.7	1654.8	1407.8	436.4
15°	3180.8	3139.9	3071.7	3011.1	2867.2	2698.9	2506.5	2230.7	1942.8	1615.4	404.6
17.5°	3750.6	3697.6	3621.8	3529.4	3390.0	3203.6	2959.6	2623.2	2215.5	1785.2	347.0
20°	4237.1	4205.3	4129.5	4020.4	3884.0	3702.2	3420.3	3047.5	2550.4	1970.0	275.8
22.5°	4555.3	4526.5	4475.0	4379.5	4276.5	4082.5	3824.9	3415.7	2830.8	2138.2	209.1
25°	4581.1	4569.0	4555.3	4523.5	4461.4	4323.5	4071.9	3630.9	3005.1	2220.1	154.6
27.5°	4567.5	4562.9	4559.9	4543.2	4502.3	4365.9	4108.3	3662.7	2982.3	2092.8	113.7
30°	4761.4	4747.8	4740.2	4685.7	4578.1	4367.4	4031.0	3491.5	2650.5	1712.4	81.8
32.5°	4859.9	4856.9	4849.3	4796.3	4644.7	4370.4	3900.7	3077.8	2101.9	1236.6	56.1
35°	4840.2	4825.1	4797.8	4699.3	4488.6	4144.7	3479.4	2458.0	1516.9	828.9	36.4
37.5°	4773.5	4738.7	4685.7	4508.3	4228.0	3758.2	2821.7	1809.4	1032.0	536.5	21.2
40°	4528.1	4481.1	4397.7	4181.0	3812.8	3097.5	2086.7	1222.9	677.4	309.1	6.1
42.5°	3893.1	3832.5	3771.9	3529.4	3108.1	2309.5	1373.0	756.2	386.4	169.7	1.5
45°	2668.6	2592.9	2509.5	2333.7	1995.8	1398.7	816.8	425.8	200.0	95.5	1.5
47.5°	1853.3	1818.5	1673.0	1448.7	1110.8	741.0	422.8	209.1	106.1	43.9	1.5
50°	1259.3	1219.9	1050.2	833.5	591.0	354.6	194.0	104.6	47.0	10.6	1.5
52.5°	660.7	612.2	504.6	384.9	239.4	148.5	84.9	45.5	13.6	1.5	1.5
55°	97.0	89.4	72.7	59.1	53.0	40.9	24.2	10.6	1.5	1.5	3.0
57.5°	3.0	3.0	3.0	3.0	4.5	4.5	3.0	1.5	1.5	1.5	3.0
60°	3.0	3.0	3.0	3.0	3.0	1.5	1.5	1.5	1.5	1.5	3.0
62.5°	3.0	3.0	3.0	3.0	3.0	1.5	1.5	1.5	1.5	1.5	3.0
65°	3.0	3.0	3.0	3.0	3.0	1.5	1.5	1.5	1.5	1.5	3.0
67.5°	3.0	3.0	3.0	3.0	1.5	1.5	1.5	1.5	1.5	3.0	4.5
70°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	4.5
72.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	4.5
75°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	4.5
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	4.5
80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0
82.5°	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5	4.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	3.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	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):

	90°	112.5°	135°	157.5°	180°
0°	212.2	212.2	212.2	212.2	212.2
2.5°	209.1	154.6	119.7	103.0	101.5
5°	189.4	110.6	72.7	56.1	53.0
7.5°	160.6	77.3	42.4	30.3	28.8
10°	131.8	53.0	25.8	21.2	19.7
12.5°	104.6	34.9	18.2	16.7	15.2
15°	80.3	22.7	13.6	12.1	12.1
17.5°	60.6	15.2	10.6	10.6	10.6
20°	45.5	10.6	7.6	9.1	9.1
22.5°	31.8	7.6	6.1	7.6	7.6
25°	22.7	6.1	6.1	7.6	7.6
27.5°	15.2	4.5	4.5	6.1	7.6
30°	9.1	3.0	4.5	6.1	7.6
32.5°	4.5	3.0	4.5	7.6	7.6
35°	3.0	4.5	6.1	7.6	9.1
37.5°	1.5	4.5	6.1	9.1	9.1
40°	1.5	4.5	6.1	9.1	10.6
42.5°	3.0	6.1	7.6	10.6	12.1
45°	3.0	6.1	9.1	12.1	13.6
47.5°	3.0	6.1	10.6	13.6	13.6
50°	4.5	7.6	10.6	13.6	15.2
52.5°	4.5	7.6	10.6	15.2	16.7
55°	4.5	7.6	12.1	15.2	16.7
57.5°	4.5	9.1	12.1	15.2	16.7
60°	4.5	7.6	12.1	15.2	16.7
62.5°	6.1	7.6	10.6	15.2	15.2
65°	6.1	7.6	10.6	15.2	15.2
67.5°	6.1	7.6	10.6	13.6	13.6
70°	6.1	7.6	9.1	12.1	12.1
72.5°	6.1	7.6	9.1	10.6	12.1
75°	4.5	6.1	7.6	9.1	10.6
77.5°	4.5	6.1	6.1	9.1	9.1
80°	4.5	4.5	4.5	6.1	6.1
82.5°	4.5	4.5	3.0	4.5	4.5
85°	4.5	3.0	3.0	3.0	3.0
87.5°	3.0	3.0	1.5	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)