

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: P1310613

Luminaire Tested: P3SQAS20R609040D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310613
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R609040D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

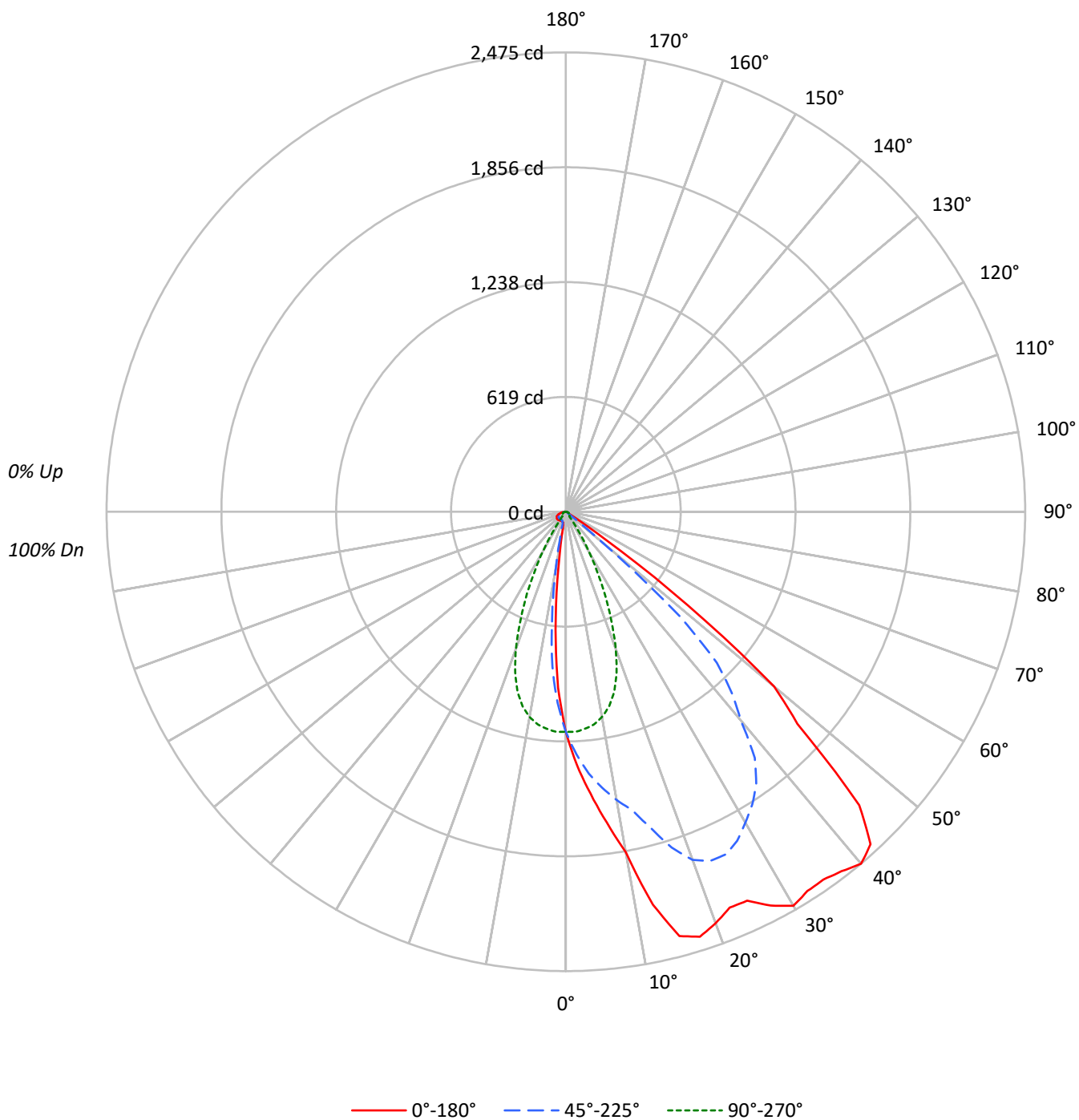
Lumens per Lamp: N/A
Luminaire Lumens: 1925.0 lumens
Efficiency: N/A
Efficacy: 66.8 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90		
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81		
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72		
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65		
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58		
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	52		
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47		
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43		
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39		
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	204084	204084	204084	204084	204084
5°	263608	244764	202979	144528	110280
10°	325783	275872	196425	54667	16211
15°	421907	314001	179189	11982	10698
20°	432347	365726	144238	9989	10318
25°	439304	387141	96705	9672	10356
30°	487559	384566	49875	9764	10838
35°	508583	376002	13750	10323	11837
40°	556521	329745	6542	11039	13085
45°	544477	280191	6649	11959	14614
50°	392492	69153	7315	13155	16076
55°	75305	4354	7627	14202	18016
60°	3754	4374	7509	15018	19392
65°	3708	4442	7417	15567	20742
70°	3676	4582	7301	15560	21048
75°	3660	4858	7253	15704	21759
80°	1785	5455	7240	16265	21621
85°	3557	3557	7114	14425	21539

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 544477 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.0	5.4
10°-20°	284.5	14.8
20°-30°	437.9	22.7
30°-40°	513.8	26.7
40°-50°	412.0	21.4
50°-60°	127.9	6.6
60°-70°	24.2	1.3
70°-80°	16.1	0.8
80°-90°	5.6	0.3
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°	825.4	42.9
0°-40°	1339.2	69.6
0°-60°	1879.1	97.6
0°-90°	1925.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1925.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1185	1185	1185	1185	1185	
5°	1525	1416	1174	836	638	156
15°	2366	1761	1005	67	60	648
25°	2312	2037	509	51	54	1091
35°	2419	1788	65	49	56	1531
45°	2236	1150	27	49	60	1600
55°	251	14	25	47	60	397
65°	9	11	18	38	51	9
75°	6	7	11	24	33	5
85°	2	2	4	7	11	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0
2.5°	1366.7	1352.2	1352.2	1346.7	1341.3	1343.1	1328.5	1334.0	1319.5	1308.6	1299.5
5°	1524.8	1506.7	1504.8	1495.8	1486.7	1479.4	1461.2	1450.3	1428.5	1415.8	1388.5
7.5°	1688.4	1673.9	1664.8	1653.9	1637.5	1619.3	1588.4	1568.5	1533.9	1499.4	1464.9
10°	1862.9	1850.2	1830.2	1817.4	1772.0	1742.9	1701.1	1673.9	1623.0	1577.5	1524.8
12.5°	2168.2	2160.9	2122.8	2097.3	2031.9	1973.7	1882.9	1810.2	1719.3	1644.8	1573.9
15°	2366.3	2357.2	2337.2	2313.6	2271.8	2206.4	2124.6	2022.8	1895.6	1761.1	1641.1
17.5°	2400.8	2402.7	2389.9	2384.5	2357.2	2315.4	2250.0	2173.7	2046.4	1897.4	1733.8
20°	2359.0	2373.6	2369.9	2380.8	2386.3	2369.9	2326.3	2251.8	2140.9	1995.5	1812.0
22.5°	2308.1	2320.9	2317.2	2337.2	2368.1	2384.5	2369.9	2310.0	2197.3	2035.5	1855.6
25°	2311.8	2320.9	2293.6	2306.3	2346.3	2386.3	2388.1	2335.4	2213.6	2037.3	1852.0
27.5°	2391.8	2364.5	2302.7	2297.2	2346.3	2397.2	2400.8	2335.4	2190.0	1999.2	1815.6
30°	2451.7	2431.7	2362.7	2353.6	2400.8	2435.4	2417.2	2315.4	2133.7	1933.8	1762.9
32.5°	2422.6	2426.3	2397.2	2426.3	2488.1	2502.6	2426.3	2268.2	2055.5	1870.1	1701.1
35°	2419.0	2433.6	2449.9	2495.3	2537.1	2502.6	2380.8	2179.1	1971.9	1788.4	1604.8
37.5°	2440.8	2464.4	2488.1	2528.1	2528.1	2439.0	2260.9	2066.4	1872.0	1672.0	1404.9
40°	2475.4	2489.9	2497.2	2493.5	2444.5	2313.6	2124.6	1930.1	1744.7	1466.7	1272.2
42.5°	2429.9	2428.1	2420.8	2389.9	2299.1	2128.2	1951.9	1793.8	1501.2	1323.1	1101.4
45°	2235.5	2235.5	2215.5	2166.4	2082.8	1941.0	1784.7	1553.9	1368.5	1150.4	817.8
47.5°	1692.0	1679.3	1701.1	1730.2	1730.2	1717.5	1575.7	1375.8	1186.8	830.6	261.7
50°	1464.9	1444.9	1417.6	1423.1	1419.4	1434.0	1343.1	1192.2	877.8	258.1	18.2
52.5°	828.8	865.1	954.2	1079.6	1135.9	1155.9	1099.6	906.9	296.2	16.4	14.5
55°	250.8	258.1	292.6	359.9	488.9	625.2	634.3	294.4	20.0	14.5	14.5
57.5°	10.9	10.9	14.5	21.8	50.9	76.3	81.8	18.2	12.7	14.5	14.5
60°	10.9	10.9	10.9	10.9	10.9	10.9	12.7	12.7	12.7	12.7	14.5
62.5°	9.1	9.1	10.9	10.9	10.9	10.9	10.9	10.9	12.7	12.7	12.7
65°	9.1	9.1	9.1	9.1	9.1	9.1	10.9	10.9	10.9	10.9	12.7
67.5°	7.3	7.3	7.3	9.1	9.1	9.1	9.1	9.1	10.9	10.9	10.9
70°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	9.1	9.1	9.1	9.1
72.5°	5.5	5.5	5.5	5.5	5.5	7.3	7.3	7.3	7.3	7.3	9.1
75°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	7.3	7.3	7.3	7.3
77.5°	3.6	3.6	3.6	3.6	3.6	5.5	5.5	5.5	5.5	5.5	5.5
80°	1.8	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	5.5	5.5
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	3.6	3.6	3.6	3.6	3.6
85°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6
87.5°	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8
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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0
2.5°	1286.7	1272.2	1255.9	1186.8	1119.5	1028.7	966.9	948.7
5°	1364.9	1341.3	1304.9	1174.1	1015.9	836.0	690.6	637.9
7.5°	1430.3	1394.0	1343.1	1155.9	892.4	567.0	365.3	309.0
10°	1477.6	1432.1	1366.7	1123.2	728.8	312.6	123.6	92.7
12.5°	1517.6	1457.6	1379.4	1074.1	530.7	127.2	63.6	63.6
15°	1544.8	1472.1	1384.9	1005.0	343.5	67.2	60.0	60.0
17.5°	1583.0	1488.5	1384.9	908.7	187.2	58.2	58.2	58.2
20°	1644.8	1504.8	1364.9	787.0	103.6	54.5	56.3	56.3
22.5°	1677.5	1528.5	1339.5	645.2	65.4	52.7	54.5	54.5
25°	1684.8	1524.8	1284.9	508.9	52.7	50.9	52.7	54.5
27.5°	1659.3	1499.4	1212.2	370.8	47.3	49.1	52.7	54.5
30°	1613.9	1437.6	1095.9	250.8	43.6	49.1	52.7	54.5
32.5°	1528.5	1288.6	959.6	150.8	41.8	49.1	52.7	56.3
35°	1337.6	1132.3	803.3	65.4	40.0	49.1	54.5	56.3
37.5°	1199.5	976.0	621.6	32.7	40.0	49.1	54.5	58.2
40°	1046.8	785.1	287.2	29.1	40.0	49.1	54.5	58.2
42.5°	797.9	363.5	34.5	29.1	38.2	49.1	56.3	58.2
45°	290.8	38.2	18.2	27.3	38.2	49.1	56.3	60.0
47.5°	21.8	14.5	16.4	27.3	38.2	49.1	56.3	60.0
50°	14.5	14.5	16.4	27.3	38.2	49.1	56.3	60.0
52.5°	14.5	16.4	16.4	25.4	36.3	49.1	56.3	60.0
55°	14.5	16.4	16.4	25.4	36.3	47.3	56.3	60.0
57.5°	14.5	14.5	16.4	23.6	34.5	45.4	56.3	58.2
60°	14.5	14.5	16.4	21.8	32.7	43.6	52.7	56.3
62.5°	14.5	14.5	14.5	20.0	30.9	41.8	50.9	54.5
65°	12.7	12.7	14.5	18.2	27.3	38.2	47.3	50.9
67.5°	10.9	12.7	12.7	16.4	25.4	34.5	43.6	47.3
70°	10.9	10.9	10.9	14.5	21.8	30.9	40.0	41.8
72.5°	9.1	9.1	10.9	12.7	20.0	27.3	36.3	38.2
75°	7.3	9.1	9.1	10.9	16.4	23.6	30.9	32.7
77.5°	7.3	7.3	7.3	9.1	14.5	20.0	25.4	27.3
80°	5.5	5.5	5.5	7.3	10.9	16.4	20.0	21.8
82.5°	3.6	5.5	5.5	5.5	9.1	10.9	14.5	16.4
85°	3.6	3.6	3.6	3.6	5.5	7.3	9.1	10.9
87.5°	1.8	1.8	3.6	3.6	3.6	3.6	3.6	5.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)