

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: P1307412

Luminaire Tested: P3SQAS24R659027D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307412
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-68)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R659027D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R65 optic, 2700K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

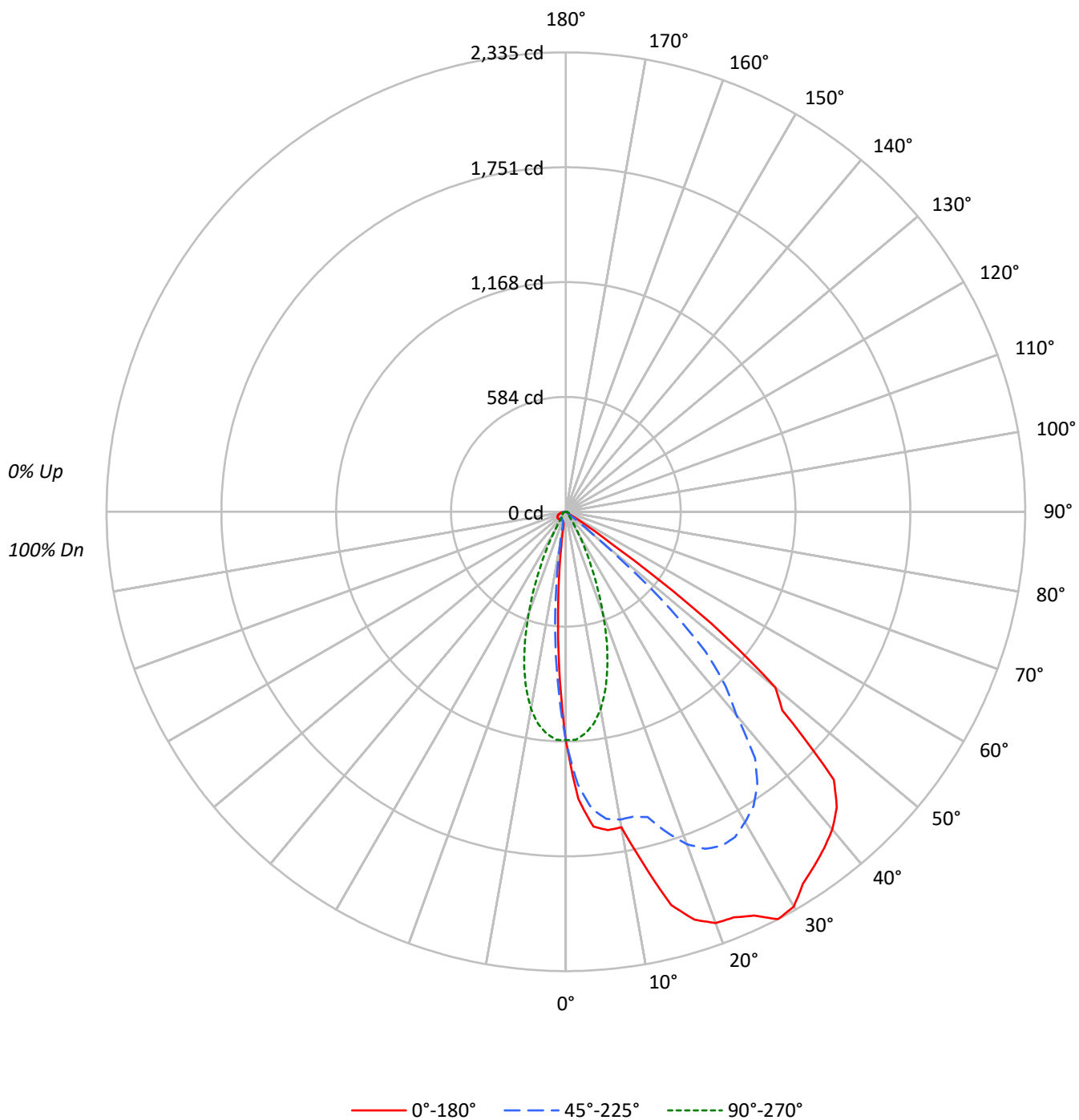
Lumens per Lamp: N/A
Luminaire Lumens: 1739.0 lumens
Efficiency: N/A
Efficacy: 60.4 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	102	102	100
1	112	109	106	103	110	106	104	101	102	100	98	99	97	95	95	94	92	92	92	90
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	83	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	74	74	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	67	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	60	60	58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	54	54	53
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	49	49	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	45	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	41	41	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	38	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	199813	199813	199813	199813	199813
5°	277750	262121	195580	107480	75601
10°	284756	277796	177922	30027	11070
15°	368934	286454	145634	9664	9343
20°	407715	329548	101351	8614	8944
25°	430296	356110	57350	8247	8931
30°	460732	362254	25872	8273	9347
35°	462392	356765	8368	8746	10260
40°	473742	303103	5688	9353	11376
45°	469193	244290	5724	10132	12324
50°	372344	57632	5814	11146	14040
55°	88457	3243	5975	12491	15734
60°	3100	3720	6854	13089	16809
65°	3668	3668	6642	13978	18420
70°	2719	3626	6395	13646	19135
75°	2396	3593	5989	14440	19231
80°	1785	3570	7141	14381	19737
85°	3557	7114	7114	14227	17784

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°

Vertical Angle: 45°

Luminance: 470094 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.8	5.6
10°-20°	255.0	14.7
20°-30°	400.5	23.0
30°-40°	458.2	26.3
40°-50°	368.3	21.2
50°-60°	119.8	6.9
60°-70°	21.3	1.2
70°-80°	14.0	0.8
80°-90°	5.0	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°	752.3	43.3
0°-40°	1210.5	69.6
0°-60°	1698.7	97.7
0°-90°	1739.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1739.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1160	1160	1160	1160	1160	
5°	1607	1516	1131	622	437	152
15°	2069	1607	817	54	52	577
25°	2264	1874	302	43	47	1055
35°	2199	1697	40	42	49	1381
45°	1926	1003	24	42	51	1386
55°	295	11	20	42	52	421
65°	9	9	16	34	45	8
75°	4	5	9	22	29	4
85°	2	4	4	7	9	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°	1160.2	1160.2	1160.2	1160.2	1160.2	1160.2	1160.2	1160.2	1160.2	1160.2	1160.2
2.5°	1460.2	1454.8	1462.0	1449.4	1447.5	1434.9	1427.7	1424.1	1407.8	1386.1	1366.2
5°	1606.6	1584.9	1590.3	1588.5	1579.5	1574.0	1566.8	1557.8	1536.1	1516.2	1490.9
7.5°	1631.9	1613.8	1617.4	1619.2	1613.8	1612.0	1610.2	1606.6	1592.1	1574.0	1552.4
10°	1628.3	1610.2	1608.4	1603.0	1597.5	1599.3	1599.3	1599.3	1595.7	1588.5	1581.3
12.5°	1837.9	1812.6	1807.2	1769.2	1734.9	1675.3	1637.3	1601.2	1584.9	1586.7	1581.3
15°	2069.2	2067.4	2049.3	2013.2	1955.4	1901.1	1814.4	1749.3	1666.2	1606.6	1581.3
17.5°	2174.0	2172.2	2156.0	2125.2	2083.7	2033.1	1969.8	1893.9	1801.8	1709.6	1633.7
20°	2224.6	2237.3	2219.2	2193.9	2154.2	2107.2	2047.5	1978.9	1892.1	1798.1	1707.8
22.5°	2231.9	2248.1	2231.9	2213.8	2184.9	2154.2	2103.6	2033.1	1944.5	1854.2	1765.6
25°	2264.4	2269.8	2235.5	2212.0	2184.9	2163.2	2123.4	2062.0	1971.6	1874.0	1787.3
27.5°	2334.9	2311.4	2239.1	2206.6	2181.3	2161.4	2123.4	2060.2	1962.6	1863.2	1772.8
30°	2316.8	2307.8	2244.5	2213.8	2192.1	2172.2	2125.2	2043.9	1926.4	1821.6	1727.7
32.5°	2242.7	2260.8	2239.1	2228.2	2217.4	2192.1	2123.4	2013.2	1881.3	1774.6	1648.1
35°	2199.3	2221.0	2222.8	2222.8	2210.2	2172.2	2090.9	1968.0	1836.1	1696.9	1527.1
37.5°	2156.0	2174.0	2184.9	2192.1	2174.0	2119.8	2016.8	1906.6	1762.0	1579.5	1281.3
40°	2107.2	2119.8	2128.9	2132.5	2105.4	2034.9	1940.9	1816.2	1653.6	1348.2	1143.9
42.5°	2038.5	2045.7	2043.9	2042.1	2013.2	1935.5	1846.9	1716.8	1395.1	1201.8	954.2
45°	1926.4	1919.2	1930.1	1930.1	1892.1	1834.3	1716.8	1463.8	1248.8	1003.0	614.4
47.5°	1492.7	1498.1	1550.6	1635.5	1687.9	1671.6	1512.6	1281.3	1050.0	657.8	204.2
50°	1389.7	1384.3	1386.1	1395.1	1400.6	1355.4	1241.5	1082.5	694.0	215.1	14.5
52.5°	932.5	937.9	979.5	1075.3	1106.0	1073.5	965.0	722.9	253.0	14.5	12.7
55°	294.6	314.4	337.9	388.5	477.1	533.1	522.3	256.6	16.3	10.8	12.7
57.5°	10.8	10.8	14.5	25.3	48.8	79.5	83.1	16.3	12.7	12.7	12.7
60°	9.0	9.0	9.0	9.0	9.0	9.0	10.8	10.8	10.8	10.8	10.8
62.5°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	10.8	10.8	10.8	10.8
65°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	10.8
67.5°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	9.0	9.0	9.0	9.0
70°	5.4	5.4	5.4	7.2	7.2	7.2	7.2	7.2	7.2	7.2	9.0
72.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	7.2	7.2	7.2
75°	3.6	3.6	3.6	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
77.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	5.4	5.4	5.4
80°	1.8	1.8	1.8	3.6	3.6	3.6	3.6	3.6	3.6	3.6	5.4
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	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	3.6	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°	1160.2	1160.2	1160.2	1160.2	1160.2	1160.2	1160.2	1160.2
2.5°	1355.4	1333.7	1290.3	1160.2	1024.7	889.1	804.2	782.5
5°	1462.0	1436.7	1375.3	1131.3	856.6	621.7	487.9	437.3
7.5°	1527.1	1496.3	1424.1	1086.1	666.8	361.4	216.9	173.5
10°	1556.0	1528.9	1447.5	1017.4	482.5	171.7	75.9	63.3
12.5°	1568.6	1546.9	1456.6	927.1	314.4	75.9	56.0	54.2
15°	1574.0	1550.6	1453.0	816.8	178.9	54.2	52.4	52.4
17.5°	1579.5	1552.4	1431.3	690.3	99.4	50.6	48.8	50.6
20°	1622.8	1545.1	1393.3	553.0	65.1	47.0	47.0	48.8
22.5°	1666.2	1543.3	1326.5	422.9	50.6	45.2	47.0	47.0
25°	1680.7	1525.3	1241.5	301.8	43.4	43.4	45.2	47.0
27.5°	1653.6	1472.8	1127.7	204.2	38.0	43.4	45.2	47.0
30°	1590.3	1384.3	990.3	130.1	36.1	41.6	45.2	47.0
32.5°	1472.8	1209.0	836.7	77.7	34.3	41.6	47.0	47.0
35°	1237.9	1013.8	663.2	39.8	34.3	41.6	47.0	48.8
37.5°	1082.5	845.8	462.6	27.1	34.3	41.6	47.0	48.8
40°	898.2	610.8	193.4	25.3	34.3	41.6	47.0	50.6
42.5°	621.7	265.7	30.7	23.5	32.5	41.6	48.8	50.6
45°	224.1	34.3	14.5	23.5	32.5	41.6	48.8	50.6
47.5°	19.9	12.7	14.5	23.5	32.5	41.6	48.8	52.4
50°	12.7	12.7	12.7	21.7	32.5	41.6	48.8	52.4
52.5°	12.7	12.7	12.7	21.7	30.7	41.6	50.6	52.4
55°	12.7	12.7	12.7	19.9	30.7	41.6	48.8	52.4
57.5°	12.7	12.7	14.5	19.9	30.7	39.8	48.8	50.6
60°	12.7	12.7	12.7	19.9	28.9	38.0	47.0	48.8
62.5°	10.8	12.7	12.7	18.1	27.1	36.1	45.2	47.0
65°	10.8	10.8	12.7	16.3	25.3	34.3	41.6	45.2
67.5°	9.0	10.8	10.8	14.5	21.7	30.7	38.0	41.6
70°	9.0	9.0	9.0	12.7	19.9	27.1	36.1	38.0
72.5°	7.2	9.0	9.0	10.8	16.3	23.5	30.7	34.3
75°	7.2	7.2	7.2	9.0	14.5	21.7	27.1	28.9
77.5°	5.4	5.4	7.2	7.2	12.7	16.3	23.5	25.3
80°	5.4	5.4	5.4	7.2	9.0	14.5	18.1	19.9
82.5°	3.6	3.6	3.6	5.4	7.2	9.0	12.7	14.5
85°	3.6	3.6	3.6	3.6	5.4	7.2	9.0	9.0
87.5°	1.8	1.8	1.8	3.6	3.6	3.6	3.6	3.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)