

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: P1307404

Luminaire Tested: P3SQAS24R609027D010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307404
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R609027D010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

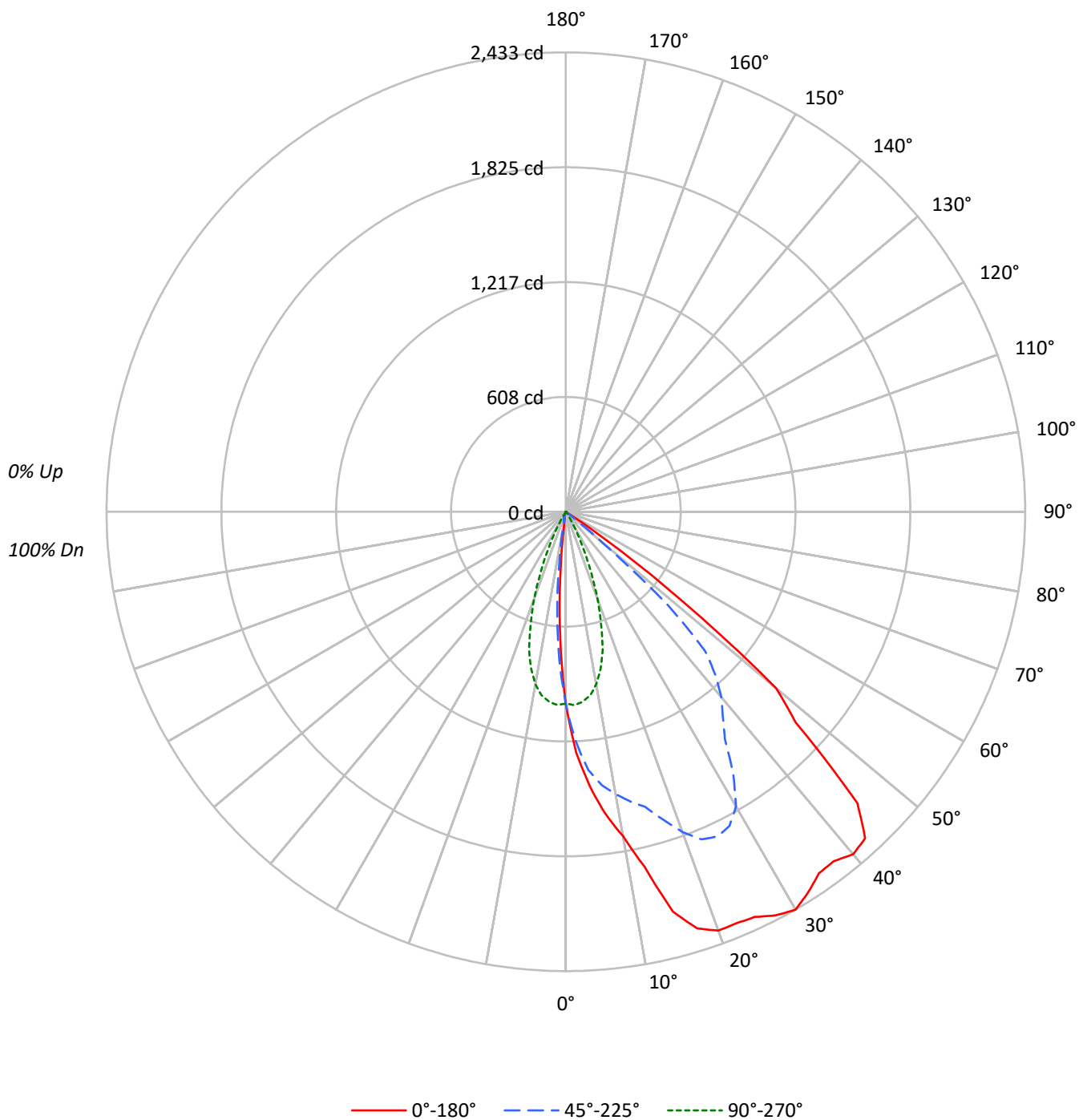
Lumens per Lamp: N/A
Luminaire Lumens: 1651.0 lumens
Efficiency: N/A
Efficacy: 57.3 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	93	90	94	91	88		91	88	86		89	86	84	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		69	65	61	60
6	80	69	62	57	79	69	62	57	67	61	56		65	60	56		64	59	56	54
7	75	64	57	52	74	63	56	51	62	56	51		60	55	51		59	54	50	49
8	70	59	52	47	69	58	51	47	57	51	46		56	50	46		55	50	46	44
9	66	55	47	43	65	54	47	43	53	47	42		52	46	42		51	46	42	40
10	62	51	44	39	61	50	43	39	49	43	39		48	43	39		48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	174944	174944	174944	174944	174944
5°	252164	237486	174678	90002	57811
10°	305025	265519	162148	10755	6313
15°	390918	288433	134383	7096	5795
20°	432640	330611	90098	3977	660
25°	449945	360633	44314	342	0
30°	483820	358376	12230	0	0
35°	491364	308577	0	0	0
40°	532330	287703	0	0	0
45°	531788	254008	0	0	0
50°	389357	61490	0	0	0
55°	75966	0	0	0	0
60°	0	0	0	0	0
65°	0	734	734	0	0
70°	0	906	906	0	0
75°	0	1198	1198	0	0
80°	0	1785	1785	1785	0
85°	0	3557	3557	3557	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 532665 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.2	5.3
10°-20°	248.4	15.0
20°-30°	395.9	24.0
30°-40°	457.6	27.7
40°-50°	363.4	22.0
50°-60°	95.6	5.8
60°-70°	0.7	0.0
70°-80°	1.0	0.1
80°-90°	1.0	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°	731.6	44.3
0°-40°	1189.2	72.0
0°-60°	1648.3	99.8
0°-90°	1651.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1651.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1016	1016	1016	1016	1016	
5°	1459	1374	1010	521	334	147
15°	2192	1618	754	40	32	611
25°	2368	1898	233	2	0	1104
35°	2337	1468	0	0	0	1484
45°	2183	1043	0	0	0	1555
55°	253	0	0	0	0	382
65°	0	2	2	0	0	0
75°	0	2	2	0	0	0
85°	0	2	2	2	0	0
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°	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8
2.5°	1277.9	1290.5	1285.1	1279.7	1267.0	1261.6	1261.6	1247.2	1223.7	1220.0	1203.8
5°	1458.6	1462.2	1462.2	1458.6	1449.6	1435.1	1431.5	1417.1	1395.4	1373.7	1352.0
7.5°	1615.9	1614.1	1603.2	1596.0	1579.7	1559.9	1541.8	1521.9	1489.4	1460.4	1429.7
10°	1744.2	1749.6	1740.6	1722.5	1700.8	1673.7	1644.8	1610.5	1561.7	1518.3	1478.5
12.5°	1925.0	1923.2	1899.7	1868.9	1816.5	1765.9	1720.7	1682.8	1623.1	1570.7	1521.9
15°	2192.5	2188.9	2167.2	2140.0	2064.1	1988.2	1910.5	1803.9	1704.4	1617.7	1549.0
17.5°	2313.6	2320.8	2302.7	2288.3	2244.9	2194.3	2125.6	2018.9	1865.3	1708.1	1563.5
20°	2360.6	2369.6	2356.9	2355.1	2335.3	2311.8	2255.7	2140.0	1990.0	1803.9	1624.9
22.5°	2358.8	2366.0	2360.6	2384.1	2407.6	2394.9	2326.2	2210.5	2056.9	1878.0	1675.5
25°	2367.8	2362.4	2342.5	2376.8	2411.2	2400.3	2366.0	2266.6	2098.5	1897.8	1693.6
27.5°	2409.4	2369.6	2329.8	2373.2	2389.5	2393.1	2373.2	2255.7	2091.2	1876.2	1657.5
30°	2432.9	2389.5	2356.9	2393.1	2393.1	2413.0	2371.4	2237.7	2029.8	1802.1	1561.7
32.5°	2389.5	2380.4	2409.4	2445.5	2454.6	2454.6	2362.4	2178.0	1926.8	1650.2	1408.0
35°	2337.1	2358.8	2441.9	2458.2	2458.2	2418.4	2306.3	2073.2	1773.1	1467.7	1294.2
37.5°	2331.6	2366.0	2458.2	2438.3	2405.7	2331.6	2169.0	1890.6	1554.4	1364.6	1209.2
40°	2367.8	2400.3	2454.6	2382.3	2304.5	2188.9	1993.6	1652.0	1422.5	1279.7	1106.2
42.5°	2346.1	2376.8	2378.6	2272.0	2161.7	2004.5	1746.0	1458.6	1326.7	1171.2	988.7
45°	2183.4	2187.0	2179.8	2065.9	1952.1	1789.4	1514.7	1362.8	1221.9	1042.9	726.6
47.5°	1650.2	1643.0	1670.1	1637.6	1643.0	1545.4	1375.5	1250.8	1082.7	732.0	220.5
50°	1453.2	1444.2	1417.1	1388.1	1359.2	1312.2	1232.7	1098.9	780.8	229.5	7.2
52.5°	779.0	822.4	907.4	1037.5	1086.3	1082.7	1023.0	813.4	245.8	1.8	0.0
55°	253.0	249.4	278.4	329.0	451.9	520.6	542.2	276.5	5.4	0.0	0.0
57.5°	0.0	0.0	0.0	5.4	18.1	47.0	61.5	3.6	0.0	1.8	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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°	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8
2.5°	1182.1	1156.8	1127.9	1024.8	903.7	786.3	701.3	679.6
5°	1317.6	1274.3	1212.8	1010.4	746.5	520.6	372.3	334.4
7.5°	1388.1	1350.2	1285.1	981.5	578.4	256.7	95.8	65.1
10°	1431.5	1386.3	1314.0	927.2	377.8	61.5	34.3	36.1
12.5°	1462.2	1409.8	1328.5	849.5	191.6	30.7	43.4	45.2
15°	1474.9	1418.9	1326.7	753.7	68.7	39.8	38.0	32.5
17.5°	1467.7	1397.2	1303.2	616.3	23.5	38.0	19.9	16.3
20°	1458.6	1379.1	1265.2	491.6	19.9	21.7	7.2	3.6
22.5°	1487.6	1348.4	1212.8	352.5	19.9	7.2	0.0	0.0
25°	1491.2	1335.7	1145.9	233.2	9.0	1.8	0.0	0.0
27.5°	1455.0	1261.6	1042.9	137.4	0.0	0.0	0.0	0.0
30°	1339.3	1169.4	932.7	61.5	0.0	0.0	0.0	0.0
32.5°	1225.5	1066.4	809.7	14.5	0.0	0.0	0.0	0.0
35°	1135.1	959.8	674.2	0.0	0.0	0.0	0.0	0.0
37.5°	1023.0	833.2	502.5	0.0	0.0	0.0	0.0	0.0
40°	905.5	672.4	251.2	0.0	0.0	0.0	0.0	0.0
42.5°	706.7	319.9	25.3	0.0	0.0	0.0	0.0	0.0
45°	271.1	28.9	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
65°	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
67.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0
70°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0
72.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0
75°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0
77.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0
80°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0
82.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0
85°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0
87.5°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)