

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: P1308522

Luminaire Tested: P3SQAS24R609030D010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308522
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: P3SQAS24R609030D010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

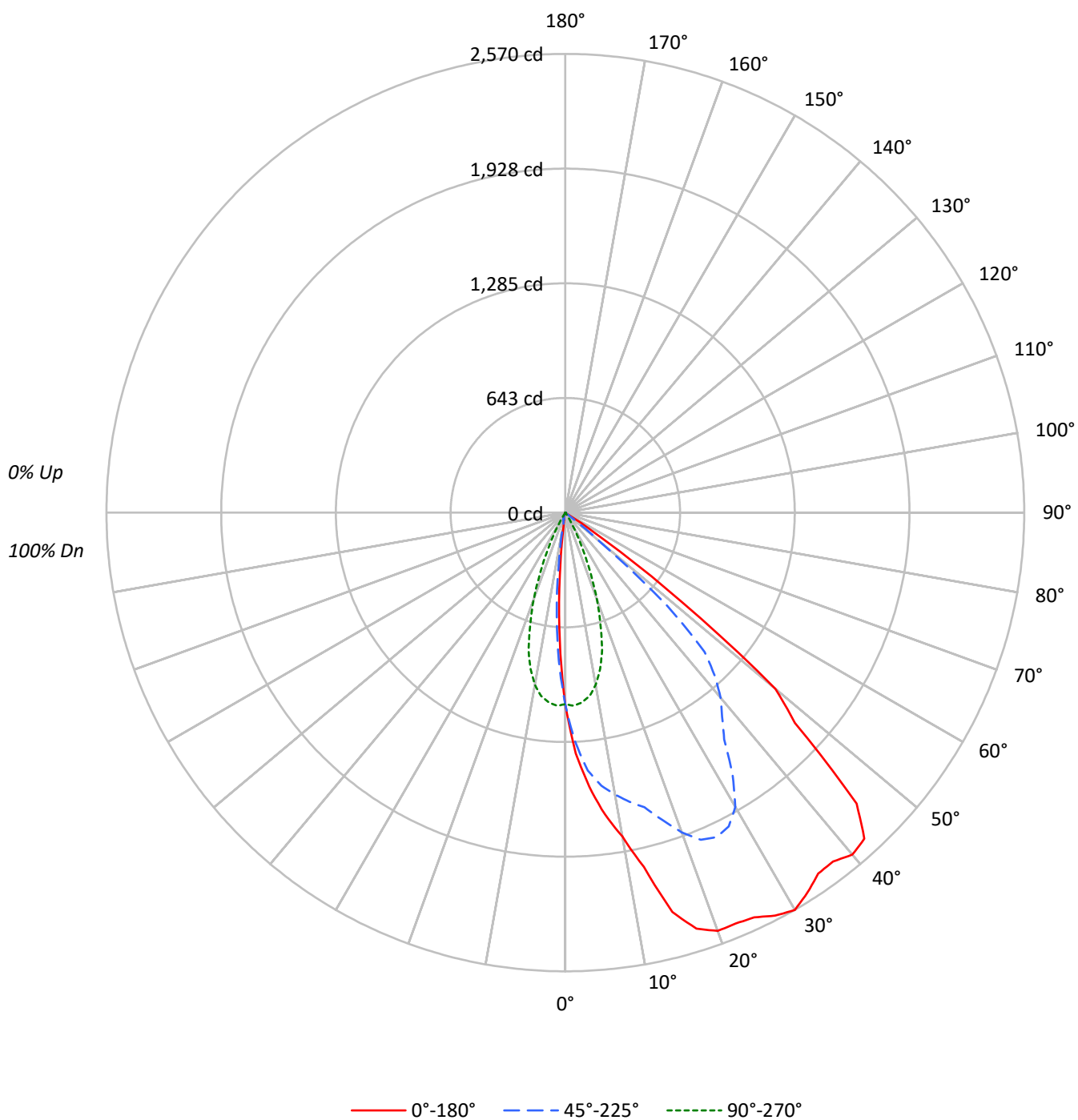
Lumens per Lamp: N/A
Luminaire Lumens: 1744.0 lumens
Efficiency: N/A
Efficacy: 60.6 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	184795	184795	184795	184795	184795
5°	266374	250867	184515	95067	61061
10°	322215	280472	171294	11350	6680
15°	412938	304676	141961	7489	6133
20°	456997	349231	95175	4197	696
25°	475295	380965	46804	361	0
30°	511065	378561	12906	0	0
35°	519032	325943	0	0	0
40°	562322	303913	0	0	0
45°	561746	268330	0	0	0
50°	411301	64973	0	0	0
55°	80260	0	0	0	0
60°	0	0	0	0	0
65°	0	774	774	0	0
70°	0	957	957	0	0
75°	0	1264	1264	0	0
80°	0	1884	1884	1884	0
85°	0	3754	3754	3754	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 562671 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.1	5.3
10°-20°	262.4	15.0
20°-30°	418.2	24.0
30°-40°	483.4	27.7
40°-50°	383.9	22.0
50°-60°	101.0	5.8
60°-70°	0.7	0.0
70°-80°	1.1	0.1
80°-90°	1.1	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°	772.8	44.3
0°-40°	1256.2	72.0
0°-60°	1741.1	99.8
0°-90°	1744.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1744.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1073	1073	1073	1073	1073	
5°	1541	1451	1067	550	353	156
15°	2316	1709	796	42	34	645
25°	2501	2005	246	2	0	1166
35°	2469	1550	0	0	0	1568
45°	2306	1102	0	0	0	1642
55°	267	0	0	0	0	403
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°	1073.0	1073.0	1073.0	1073.0	1073.0	1073.0	1073.0	1073.0	1073.0	1073.0	1073.0
2.5°	1349.9	1363.2	1357.5	1351.8	1338.4	1332.7	1332.7	1317.4	1292.6	1288.8	1271.6
5°	1540.8	1544.6	1544.6	1540.8	1531.2	1516.0	1512.2	1496.9	1474.0	1451.1	1428.1
7.5°	1706.9	1705.0	1693.5	1685.9	1668.7	1647.7	1628.6	1607.6	1573.3	1542.7	1510.2
10°	1842.5	1848.2	1838.6	1819.6	1796.6	1768.0	1737.5	1701.2	1649.6	1603.8	1561.8
12.5°	2033.4	2031.5	2006.7	1974.2	1918.8	1865.4	1817.6	1777.5	1714.5	1659.2	1607.6
15°	2316.0	2312.1	2289.2	2260.6	2180.4	2100.2	2018.1	1905.5	1800.5	1708.8	1636.3
17.5°	2443.9	2451.5	2432.4	2417.2	2371.3	2317.9	2245.3	2132.7	1970.4	1804.3	1651.5
20°	2493.5	2503.1	2489.7	2487.8	2466.8	2442.0	2382.8	2260.6	2102.1	1905.5	1716.5
22.5°	2491.6	2499.3	2493.5	2518.4	2543.2	2529.8	2457.3	2335.1	2172.8	1983.8	1769.9
25°	2501.2	2495.4	2474.4	2510.7	2547.0	2535.5	2499.3	2394.2	2216.7	2004.8	1789.0
27.5°	2545.1	2503.1	2461.1	2506.9	2524.1	2527.9	2506.9	2382.8	2209.0	1981.8	1750.8
30°	2569.9	2524.1	2489.7	2527.9	2527.9	2548.9	2505.0	2363.7	2144.1	1903.6	1649.6
32.5°	2524.1	2514.5	2545.1	2583.3	2592.8	2592.8	2495.4	2300.7	2035.3	1743.2	1487.3
35°	2468.7	2491.6	2579.4	2596.6	2596.6	2554.6	2436.3	2190.0	1873.0	1550.3	1367.1
37.5°	2463.0	2499.3	2596.6	2575.6	2541.3	2463.0	2291.1	1997.1	1642.0	1441.5	1277.3
40°	2501.2	2535.5	2592.8	2516.4	2434.3	2312.1	2105.9	1745.1	1502.6	1351.8	1168.5
42.5°	2478.3	2510.7	2512.6	2400.0	2283.5	2117.4	1844.4	1540.8	1401.4	1237.2	1044.4
45°	2306.4	2310.2	2302.6	2182.3	2062.0	1890.2	1600.0	1439.6	1290.7	1101.7	767.5
47.5°	1743.2	1735.5	1764.2	1729.8	1735.5	1632.4	1453.0	1321.2	1143.7	773.3	232.9
50°	1535.1	1525.5	1496.9	1466.3	1435.8	1386.1	1302.1	1160.8	824.8	242.5	7.6
52.5°	822.9	868.7	958.5	1095.9	1147.5	1143.7	1080.7	859.2	259.7	1.9	0.0
55°	267.3	263.5	294.0	347.5	477.3	549.9	572.8	292.1	5.7	0.0	0.0
57.5°	0.0	0.0	0.0	5.7	19.1	49.6	64.9	3.8	0.0	1.9	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9
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°	1073.0	1073.0	1073.0	1073.0	1073.0	1073.0	1073.0	1073.0
2.5°	1248.7	1221.9	1191.4	1082.6	954.6	830.5	740.8	717.9
5°	1391.9	1346.0	1281.1	1067.3	788.5	549.9	393.3	353.2
7.5°	1466.3	1426.2	1357.5	1036.7	611.0	271.1	101.2	68.7
10°	1512.2	1464.4	1388.1	979.5	399.0	64.9	36.3	38.2
12.5°	1544.6	1489.2	1403.3	897.4	202.4	32.5	45.8	47.7
15°	1558.0	1498.8	1401.4	796.2	72.6	42.0	40.1	34.4
17.5°	1550.3	1475.9	1376.6	651.1	24.8	40.1	21.0	17.2
20°	1540.8	1456.8	1336.5	519.3	21.0	22.9	7.6	3.8
22.5°	1571.3	1424.3	1281.1	372.3	21.0	7.6	0.0	0.0
25°	1575.2	1411.0	1210.5	246.3	9.5	1.9	0.0	0.0
27.5°	1537.0	1332.7	1101.7	145.1	0.0	0.0	0.0	0.0
30°	1414.8	1235.3	985.2	64.9	0.0	0.0	0.0	0.0
32.5°	1294.5	1126.5	855.4	15.3	0.0	0.0	0.0	0.0
35°	1199.0	1013.8	712.2	0.0	0.0	0.0	0.0	0.0
37.5°	1080.7	880.2	530.8	0.0	0.0	0.0	0.0	0.0
40°	956.6	710.3	265.4	0.0	0.0	0.0	0.0	0.0
42.5°	746.5	337.9	26.7	0.0	0.0	0.0	0.0	0.0
45°	286.4	30.5	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	15.3	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°	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0
65°	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0
67.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0
70°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0
72.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0
75°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0
77.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0
80°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0
82.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0
85°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0
87.5°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)