

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: P1309639

Luminaire Tested: P3SQAS24R609035D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309639
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: P3SQAS24R609035D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

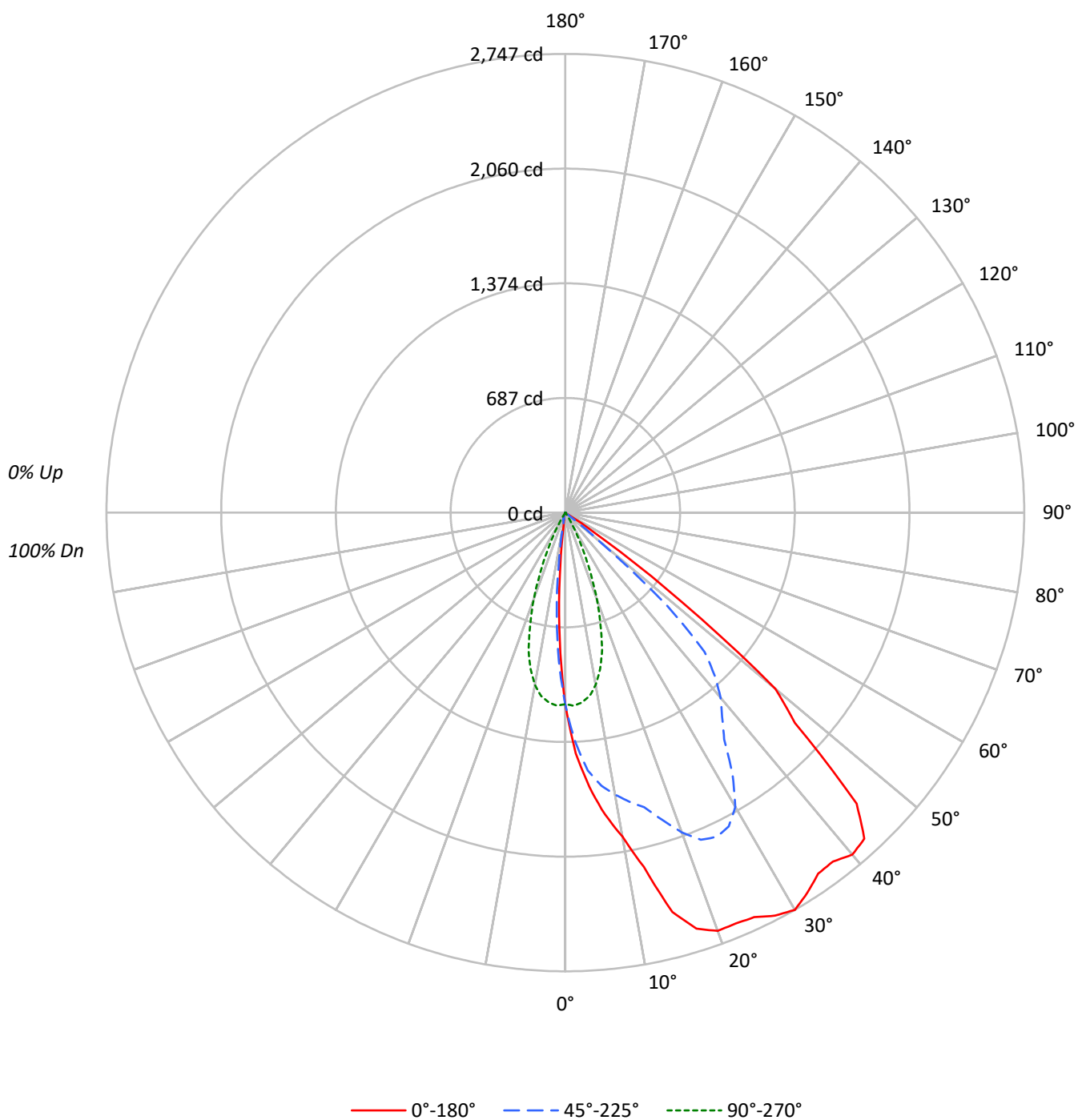
Lumens per Lamp: N/A
Luminaire Lumens: 1863.9 lumens
Efficiency: N/A
Efficacy: 64.7 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	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°	197522	197522	197522	197522	197522
5°	284700	268120	197205	101602	65262
10°	344373	299778	183081	12137	7135
15°	441341	325643	151732	8006	6544
20°	488448	373259	101736	4490	751
25°	507998	407170	50015	380	0
30°	546224	404592	13801	0	0
35°	554753	348376	0	0	0
40°	601013	324821	0	0	0
45°	600399	286791	0	0	0
50°	439594	69448	0	0	0
55°	85785	0	0	0	0
60°	0	0	0	0	0
65°	0	815	815	0	0
70°	0	1007	1007	0	0
75°	0	1331	1331	0	0
80°	0	1984	1984	1984	0
85°	0	3952	3952	3952	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 601397 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.5	5.3
10°-20°	280.5	15.0
20°-30°	447.0	24.0
30°-40°	516.7	27.7
40°-50°	410.3	22.0
50°-60°	108.0	5.8
60°-70°	0.7	0.0
70°-80°	1.1	0.1
80°-90°	1.2	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°	825.9	44.3
0°-40°	1342.6	72.0
0°-60°	1860.9	99.8
0°-90°	1863.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1863.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1147	1147	1147	1147	1147	
5°	1647	1551	1141	588	378	166
15°	2475	1826	851	45	37	690
25°	2673	2143	263	2	0	1247
35°	2639	1657	0	0	0	1676
45°	2465	1178	0	0	0	1755
55°	286	0	0	0	0	431
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°	1146.9	1146.9	1146.9	1146.9	1146.9	1146.9	1146.9	1146.9	1146.9	1146.9	1146.9
2.5°	1442.7	1457.0	1450.9	1444.8	1430.5	1424.4	1424.4	1408.1	1381.5	1377.4	1359.1
5°	1646.8	1650.9	1650.9	1646.8	1636.6	1620.3	1616.2	1599.9	1575.4	1550.9	1526.4
7.5°	1824.4	1822.3	1810.1	1801.9	1783.5	1761.1	1740.7	1718.2	1681.5	1648.9	1614.2
10°	1969.2	1975.4	1965.2	1944.8	1920.3	1889.7	1857.0	1818.2	1763.1	1714.2	1669.3
12.5°	2173.3	2171.3	2144.7	2110.0	2050.9	1993.7	1942.7	1899.9	1832.5	1773.3	1718.2
15°	2475.3	2471.2	2446.8	2416.1	2330.4	2244.7	2157.0	2036.6	1924.3	1826.4	1748.8
17.5°	2612.0	2620.2	2599.8	2583.5	2534.5	2477.4	2399.8	2279.4	2106.0	1928.4	1765.2
20°	2665.1	2675.3	2661.0	2659.0	2636.5	2610.0	2546.7	2416.1	2246.8	2036.6	1834.6
22.5°	2663.1	2671.2	2665.1	2691.6	2718.2	2703.9	2626.3	2495.7	2322.3	2120.2	1891.7
25°	2673.3	2667.1	2644.7	2683.5	2722.2	2710.0	2671.2	2559.0	2369.2	2142.7	1912.1
27.5°	2720.2	2675.3	2630.4	2679.4	2697.8	2701.8	2679.4	2546.7	2361.0	2118.2	1871.3
30°	2746.7	2697.8	2661.0	2701.8	2701.8	2724.3	2677.3	2526.3	2291.7	2034.5	1763.1
32.5°	2697.8	2687.6	2720.2	2761.0	2771.2	2771.2	2667.1	2459.0	2175.3	1863.1	1589.7
35°	2638.6	2663.1	2756.9	2775.3	2775.3	2730.4	2603.9	2340.6	2001.9	1657.0	1461.1
37.5°	2632.5	2671.2	2775.3	2752.9	2716.1	2632.5	2448.8	2134.5	1755.0	1540.7	1365.2
40°	2673.3	2710.0	2771.2	2689.6	2601.8	2471.2	2250.8	1865.2	1606.0	1444.8	1248.9
42.5°	2648.8	2683.5	2685.5	2565.1	2440.6	2263.1	1971.3	1646.8	1497.8	1322.3	1116.2
45°	2465.1	2469.2	2461.0	2332.5	2203.9	2020.3	1710.1	1538.7	1379.5	1177.5	820.3
47.5°	1863.1	1855.0	1885.6	1848.8	1855.0	1744.8	1552.9	1412.1	1222.4	826.5	249.0
50°	1640.7	1630.5	1599.9	1567.2	1534.6	1481.5	1391.7	1240.7	881.6	259.2	8.2
52.5°	879.5	928.5	1024.4	1171.3	1226.4	1222.4	1155.0	918.3	277.5	2.0	0.0
55°	285.7	281.6	314.3	371.4	510.2	587.7	612.2	312.2	6.1	0.0	0.0
57.5°	0.0	0.0	0.0	6.1	20.4	53.1	69.4	4.1	0.0	2.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0
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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1146.9	1146.9	1146.9	1146.9	1146.9	1146.9	1146.9	1146.9
2.5°	1334.6	1306.0	1273.4	1157.1	1020.3	887.7	791.8	767.3
5°	1487.6	1438.7	1369.3	1140.7	842.8	587.7	420.4	377.5
7.5°	1567.2	1524.4	1450.9	1108.1	653.0	289.8	108.2	73.5
10°	1616.2	1565.2	1483.6	1046.9	426.5	69.4	38.8	40.8
12.5°	1650.9	1591.7	1499.9	959.1	216.3	34.7	49.0	51.0
15°	1665.2	1601.9	1497.8	851.0	77.5	44.9	42.9	36.7
17.5°	1657.0	1577.4	1471.3	695.9	26.5	42.9	22.4	18.4
20°	1646.8	1557.0	1428.5	555.1	22.4	24.5	8.2	4.1
22.5°	1679.5	1522.3	1369.3	397.9	22.4	8.2	0.0	0.0
25°	1683.5	1508.0	1293.8	263.2	10.2	2.0	0.0	0.0
27.5°	1642.7	1424.4	1177.5	155.1	0.0	0.0	0.0	0.0
30°	1512.1	1320.3	1053.0	69.4	0.0	0.0	0.0	0.0
32.5°	1383.6	1204.0	914.2	16.3	0.0	0.0	0.0	0.0
35°	1281.5	1083.6	761.2	0.0	0.0	0.0	0.0	0.0
37.5°	1155.0	940.7	567.3	0.0	0.0	0.0	0.0	0.0
40°	1022.4	759.1	283.7	0.0	0.0	0.0	0.0	0.0
42.5°	797.9	361.2	28.6	0.0	0.0	0.0	0.0	0.0
45°	306.1	32.7	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	16.3	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°	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
65°	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
67.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
70°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
72.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
75°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
77.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
80°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0
82.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)