

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: P1311843

Luminaire Tested: P3SQAS24R659050D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311843
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: P3SQAS24R659050D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R65 optic, 5000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

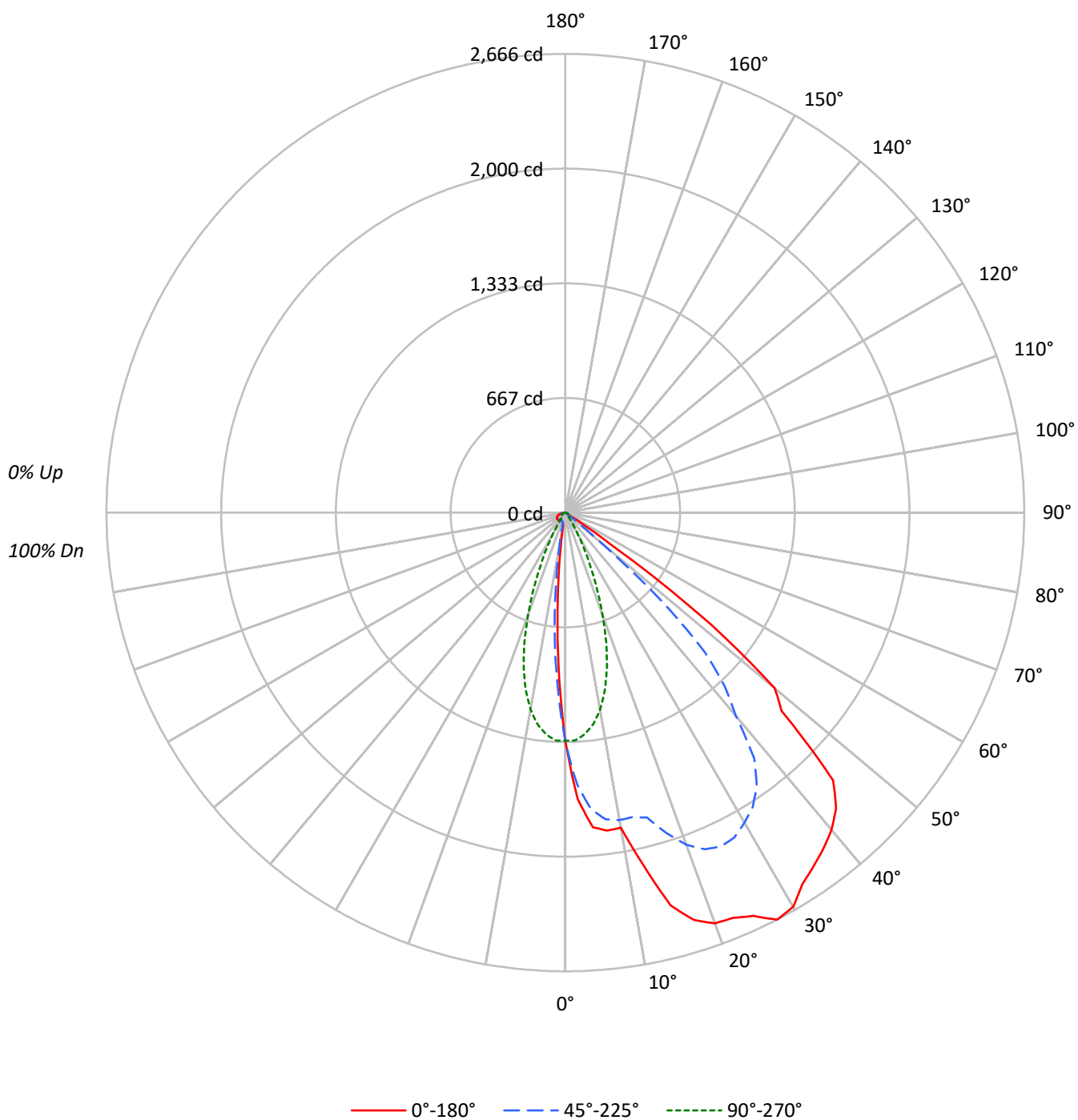
Lumens per Lamp: N/A
Luminaire Lumens: 1986.0 lumens
Efficiency: N/A
Efficacy: 69.0 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1311843

CATALOG NUMBER: P3SQAS24R659050D010 E3SQCA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1311843

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	228195	228195	228195	228195	228195
5°	317201	299360	223362	122745	86354
10°	325188	317249	203210	34294	12626
15°	421336	327141	166334	11037	10680
20°	465630	376356	115738	9842	10208
25°	491409	406695	65502	9406	10204
30°	526178	413720	29551	9446	10679
35°	528072	407455	9545	9987	11711
40°	541031	346134	6497	10679	12995
45°	535855	278973	6527	11569	14078
50°	425233	65804	6645	12727	16049
55°	101008	3723	6816	14262	17986
60°	3548	4271	7819	14914	19186
65°	4197	4197	7580	15975	21028
70°	3122	4179	7251	15610	21804
75°	2728	4126	6854	16502	21959
80°	2083	4066	8232	16365	22514
85°	4150	8102	8102	16401	20353

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°

Vertical Angle: 45°

Luminance: 536854 cd/sqm

TEST NUMBER: P1311843

CATALOG NUMBER: P3SQAS24R659050D010 E3SQCA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.6	5.6
10°-20°	291.2	14.7
20°-30°	457.4	23.0
30°-40°	523.3	26.3
40°-50°	420.6	21.2
50°-60°	136.8	6.9
60°-70°	24.3	1.2
70°-80°	16.1	0.8
80°-90°	5.7	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°	859.2	43.3
0°-40°	1382.5	69.6
0°-60°	1939.9	97.7
0°-90°	1986.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1986.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1325	1325	1325	1325	1325	
5°	1835	1732	1292	710	500	173
15°	2363	1835	933	62	60	658
25°	2586	2140	345	50	54	1205
35°	2512	1938	45	48	56	1577
45°	2200	1145	27	48	58	1583
55°	336	12	23	48	60	481
65°	10	10	19	39	52	9
75°	4	6	10	25	33	5
85°	2	4	4	8	10	1
90°	0	0	0	0	0	

TEST NUMBER: P1311843

CATALOG NUMBER: P3SQAS24R659050D010 E3SQCA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0
2.5°	1667.6	1661.4	1669.7	1655.2	1653.1	1638.7	1630.4	1626.3	1607.7	1583.0	1560.3
5°	1834.8	1810.0	1816.2	1814.1	1803.8	1797.6	1789.4	1779.0	1754.3	1731.6	1702.7
7.5°	1863.7	1843.0	1847.2	1849.2	1843.0	1841.0	1838.9	1834.8	1818.3	1797.6	1772.9
10°	1859.5	1838.9	1836.8	1830.6	1824.5	1826.5	1826.5	1826.5	1822.4	1814.1	1805.9
12.5°	2098.9	2070.0	2063.9	2020.5	1981.3	1913.2	1869.9	1828.6	1810.0	1812.1	1805.9
15°	2363.1	2361.1	2340.4	2299.1	2233.1	2171.2	2072.1	1997.8	1902.9	1834.8	1805.9
17.5°	2482.8	2480.8	2462.2	2427.1	2379.6	2321.8	2249.6	2162.9	2057.7	1952.4	1865.7
20°	2540.6	2555.1	2534.4	2505.5	2460.1	2406.5	2338.4	2259.9	2160.9	2053.5	1950.3
22.5°	2548.9	2567.4	2548.9	2528.2	2495.2	2460.1	2402.3	2321.8	2220.7	2117.5	2016.4
25°	2586.0	2592.2	2553.0	2526.2	2495.2	2470.4	2425.0	2354.9	2251.7	2140.2	2041.2
27.5°	2666.5	2639.7	2557.1	2520.0	2491.1	2468.4	2425.0	2352.8	2241.3	2127.8	2024.6
30°	2645.9	2635.5	2563.3	2528.2	2503.5	2480.8	2427.1	2334.2	2200.1	2080.4	1973.0
32.5°	2561.2	2581.9	2557.1	2544.7	2532.4	2503.5	2425.0	2299.1	2148.5	2026.7	1882.2
35°	2511.7	2536.5	2538.5	2538.5	2524.1	2480.8	2387.9	2247.5	2096.9	1938.0	1744.0
37.5°	2462.2	2482.8	2495.2	2503.5	2482.8	2420.9	2303.3	2177.4	2012.3	1803.8	1463.3
40°	2406.5	2420.9	2431.2	2435.4	2404.4	2323.9	2216.6	2074.2	1888.4	1539.6	1306.4
42.5°	2328.0	2336.3	2334.2	2332.2	2299.1	2210.4	2109.3	1960.7	1593.3	1372.5	1089.7
45°	2200.1	2191.8	2204.2	2204.2	2160.9	2094.8	1960.7	1671.7	1426.1	1145.4	701.7
47.5°	1704.7	1710.9	1770.8	1867.8	1927.6	1909.1	1727.4	1463.3	1199.1	751.2	233.2
50°	1587.1	1580.9	1583.0	1593.3	1599.5	1547.9	1417.9	1236.3	792.5	245.6	16.5
52.5°	1065.0	1071.1	1118.6	1228.0	1263.1	1225.9	1102.1	825.5	288.9	16.5	14.4
55°	336.4	359.1	385.9	443.7	544.9	608.8	596.5	293.1	18.6	12.4	14.4
57.5°	12.4	12.4	16.5	28.9	55.7	90.8	94.9	18.6	14.4	14.4	14.4
60°	10.3	10.3	10.3	10.3	10.3	10.3	12.4	12.4	12.4	12.4	12.4
62.5°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	12.4	12.4	12.4	12.4
65°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	12.4
67.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	10.3	10.3	10.3	10.3
70°	6.2	6.2	6.2	8.3	8.3	8.3	8.3	8.3	8.3	8.3	10.3
72.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	8.3	8.3	8.3
75°	4.1	4.1	4.1	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
77.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.2	6.2	6.2
80°	2.1	2.1	2.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.2
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1	4.1	4.1
85°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1	4.1
87.5°	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1311843

CATALOG NUMBER: P3SQAS24R659050D010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0
2.5°	1547.9	1523.1	1473.6	1325.0	1170.2	1015.4	918.4	893.7
5°	1669.7	1640.8	1570.6	1292.0	978.3	710.0	557.2	499.5
7.5°	1744.0	1708.9	1626.3	1240.4	761.6	412.8	247.7	198.1
10°	1777.0	1746.0	1653.1	1162.0	551.0	196.1	86.7	72.2
12.5°	1791.4	1766.7	1663.5	1058.8	359.1	86.7	64.0	61.9
15°	1797.6	1770.8	1659.3	932.9	204.3	61.9	59.9	59.9
17.5°	1803.8	1772.9	1634.6	788.4	113.5	57.8	55.7	57.8
20°	1853.3	1764.6	1591.2	631.5	74.3	53.7	53.7	55.7
22.5°	1902.9	1762.5	1514.9	482.9	57.8	51.6	53.7	53.7
25°	1919.4	1741.9	1417.9	344.7	49.5	49.5	51.6	53.7
27.5°	1888.4	1682.0	1287.8	233.2	43.3	49.5	51.6	53.7
30°	1816.2	1580.9	1131.0	148.6	41.3	47.5	51.6	53.7
32.5°	1682.0	1380.7	955.6	88.7	39.2	47.5	53.7	53.7
35°	1413.7	1157.8	757.4	45.4	39.2	47.5	53.7	55.7
37.5°	1236.3	965.9	528.3	31.0	39.2	47.5	53.7	55.7
40°	1025.7	697.6	220.8	28.9	39.2	47.5	53.7	57.8
42.5°	710.0	303.4	35.1	26.8	37.1	47.5	55.7	57.8
45°	255.9	39.2	16.5	26.8	37.1	47.5	55.7	57.8
47.5°	22.7	14.4	16.5	26.8	37.1	47.5	55.7	59.9
50°	14.4	14.4	14.4	24.8	37.1	47.5	55.7	59.9
52.5°	14.4	14.4	14.4	24.8	35.1	47.5	57.8	59.9
55°	14.4	14.4	14.4	22.7	35.1	47.5	55.7	59.9
57.5°	14.4	14.4	16.5	22.7	35.1	45.4	55.7	57.8
60°	14.4	14.4	14.4	22.7	33.0	43.3	53.7	55.7
62.5°	12.4	14.4	14.4	20.6	31.0	41.3	51.6	53.7
65°	12.4	12.4	14.4	18.6	28.9	39.2	47.5	51.6
67.5°	10.3	12.4	12.4	16.5	24.8	35.1	43.3	47.5
70°	10.3	10.3	10.3	14.4	22.7	31.0	41.3	43.3
72.5°	8.3	10.3	10.3	12.4	18.6	26.8	35.1	39.2
75°	8.3	8.3	8.3	10.3	16.5	24.8	31.0	33.0
77.5°	6.2	6.2	8.3	8.3	14.4	18.6	26.8	28.9
80°	6.2	6.2	6.2	8.3	10.3	16.5	20.6	22.7
82.5°	4.1	4.1	4.1	6.2	8.3	10.3	14.4	16.5
85°	4.1	4.1	4.1	4.1	6.2	8.3	10.3	10.3
87.5°	2.1	2.1	2.1	4.1	4.1	4.1	4.1	4.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)