

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: P1308366

Luminaire Tested: P3SQAS20R559030D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308366
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R559030D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

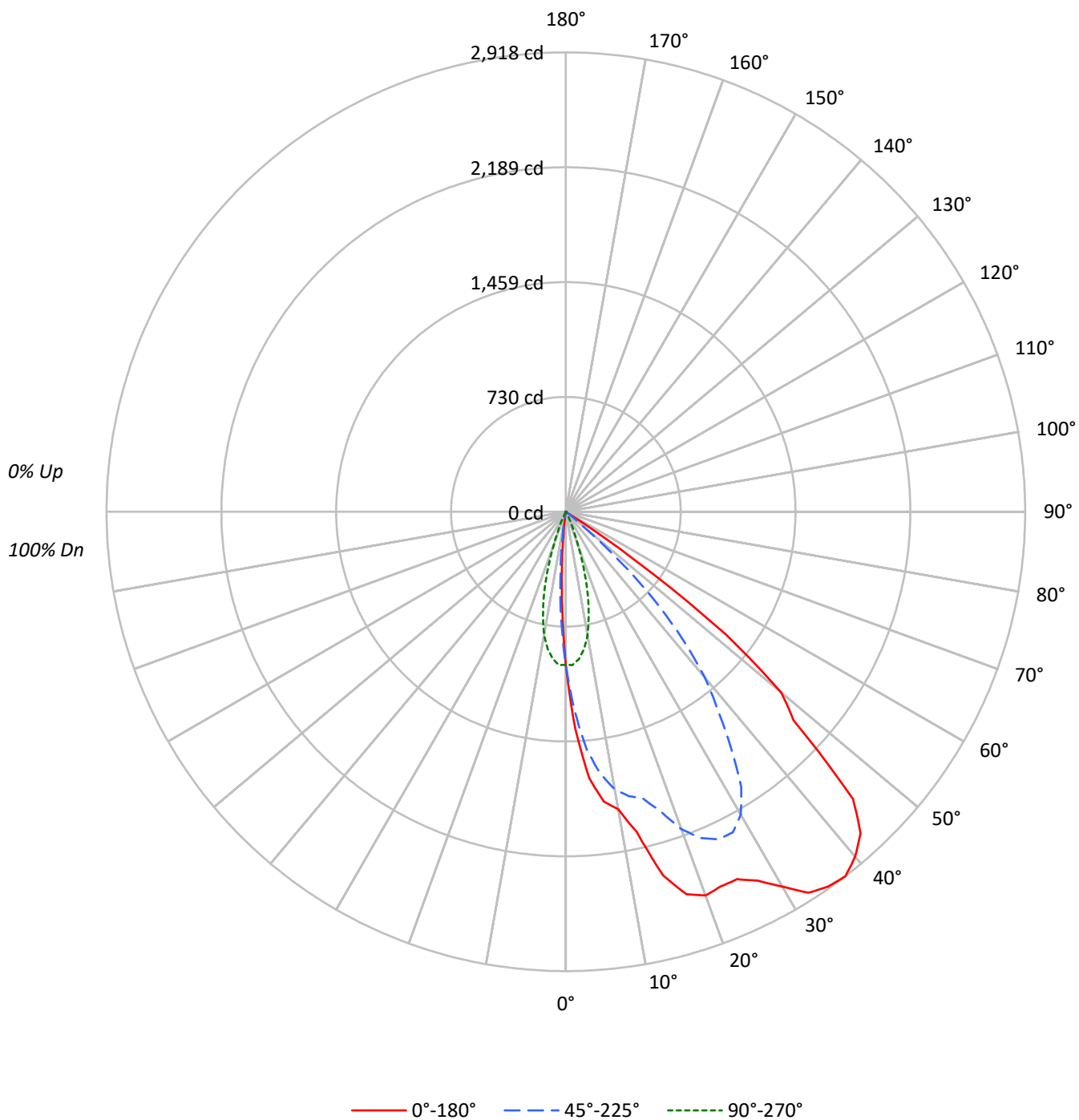
Lumens per Lamp: N/A
Luminaire Lumens: 1798.0 lumens
Efficiency: N/A
Efficacy: 62.4 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	99	95	90	103	98	93	89	94	91	87		91	88	86		88	86	84	82
3	98	90	84	80	96	89	83	79	86	82	78		84	80	76		81	78	75	73
4	92	82	76	71	90	81	75	70	79	74	69		77	72	68		75	71	68	66
5	86	75	68	63	84	74	68	63	72	67	62		71	65	61		69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56		65	60	55		64	59	55	53
7	75	63	56	51	73	63	56	51	61	55	50		60	54	50		59	54	50	48
8	70	58	51	46	68	58	51	46	56	50	46		55	50	46		54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42		51	46	42		50	45	41	40
10	62	50	43	38	60	49	43	38	49	42	38		48	42	38		47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	167332	167332	167332	167332	167332
5°	293274	261447	162421	67475	38846
10°	335681	312929	138872	7380	2658
15°	426596	335913	95193	1498	909
20°	475343	392979	41805	0	0
25°	489338	436035	11877	0	0
30°	546701	441859	1670	0	0
35°	611014	383655	0	0	0
40°	642740	308836	0	0	0
45°	628408	195067	0	0	0
50°	478525	39841	0	0	0
55°	156766	0	0	0	0
60°	0	0	0	0	0
65°	0	693	693	0	0
70°	0	856	856	0	0
75°	0	1131	1131	0	0
80°	0	1686	3372	1686	0
85°	0	3359	3359	3359	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 628408 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.8	4.9
10°-20°	260.2	14.5
20°-30°	423.1	23.5
30°-40°	502.8	28.0
40°-50°	411.2	22.9
50°-60°	109.0	6.1
60°-70°	0.7	0.0
70°-80°	1.1	0.1
80°-90°	1.3	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°	772.0	42.9
0°-40°	1274.8	70.9
0°-60°	1794.9	99.8
0°-90°	1798.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1798.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	972	972	972	972	972	
5°	1696	1512	940	390	225	166
15°	2393	1884	534	8	5	669
25°	2575	2295	62	0	0	1213
35°	2906	1825	0	0	0	1807
45°	2580	801	0	0	0	1852
55°	522	0	0	0	0	587
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°	67.5°
0°	971.6	971.6	971.6	971.6	971.6	971.6	971.6	971.6	971.6	971.6	971.6
2.5°	1378.8	1368.6	1370.3	1365.3	1370.3	1348.4	1324.7	1302.7	1285.8	1262.2	1118.6
5°	1696.4	1679.5	1674.5	1667.7	1660.9	1633.9	1611.9	1584.9	1552.8	1512.3	1248.7
7.5°	1856.9	1843.4	1836.7	1840.1	1824.8	1814.7	1786.0	1755.6	1721.8	1677.8	1346.7
10°	1919.5	1905.9	1904.3	1902.6	1900.9	1894.1	1880.6	1853.6	1823.2	1789.4	1402.4
12.5°	2083.4	2053.0	2032.7	2009.0	1980.3	1943.1	1912.7	1889.1	1877.2	1850.2	1427.8
15°	2392.6	2363.8	2341.9	2311.5	2257.4	2178.0	2105.3	2012.4	1931.3	1884.0	1417.6
17.5°	2548.0	2534.5	2515.9	2495.6	2458.5	2401.0	2326.7	2228.7	2125.6	1992.1	1368.6
20°	2593.6	2586.9	2573.4	2564.9	2539.6	2499.0	2448.3	2372.3	2276.0	2144.2	1292.6
22.5°	2575.1	2580.1	2586.9	2608.9	2612.2	2583.5	2536.2	2463.5	2365.5	2243.9	1176.0
25°	2575.1	2571.7	2571.7	2617.3	2646.0	2632.5	2598.7	2532.8	2433.1	2294.6	1032.4
27.5°	2641.0	2620.7	2578.4	2625.7	2673.1	2668.0	2637.6	2559.9	2448.3	2296.3	856.7
30°	2749.1	2705.2	2635.9	2679.8	2723.7	2705.2	2656.2	2556.5	2414.5	2221.9	642.1
32.5°	2869.1	2848.8	2813.3	2842.0	2835.3	2760.9	2673.1	2534.5	2345.3	2073.2	432.6
35°	2906.2	2909.6	2886.0	2880.9	2842.0	2766.0	2673.1	2472.0	2200.0	1824.8	256.8
37.5°	2918.1	2919.8	2882.6	2835.3	2777.8	2688.3	2576.7	2343.6	1931.3	1584.9	136.9
40°	2858.9	2857.2	2796.4	2739.0	2674.7	2586.9	2424.7	2073.2	1676.2	1373.7	49.0
42.5°	2771.1	2749.1	2691.6	2620.7	2543.0	2433.1	2179.7	1750.5	1456.5	1100.0	3.4
45°	2580.1	2559.9	2514.2	2438.2	2352.0	2196.6	1796.1	1503.8	1184.5	800.9	0.0
47.5°	1961.7	1951.6	1998.9	2009.0	2007.3	1829.9	1498.7	1226.7	870.2	466.3	0.0
50°	1786.0	1772.5	1725.2	1664.3	1556.2	1407.5	1201.4	909.0	510.3	148.7	0.0
52.5°	1282.5	1326.4	1336.5	1290.9	1189.5	1042.5	827.9	523.8	177.4	0.0	0.0
55°	522.1	495.1	515.3	540.7	561.0	515.3	381.9	185.9	1.7	0.0	0.0
57.5°	0.0	1.7	10.1	23.7	38.9	49.0	52.4	3.4	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7
65°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	1.7	1.7	1.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	3.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	3.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
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):

	90°	112.5°	135°	157.5°	180°
0°	971.6	971.6	971.6	971.6	971.6
2.5°	974.9	824.6	679.2	599.8	561.0
5°	939.5	630.2	390.3	270.3	224.7
7.5°	880.3	432.6	155.4	64.2	45.6
10°	794.1	248.4	42.2	16.9	15.2
12.5°	670.8	113.2	15.2	11.8	11.8
15°	533.9	38.9	8.4	6.8	5.1
17.5°	375.1	10.1	3.4	0.0	0.0
20°	228.1	1.7	0.0	0.0	0.0
22.5°	126.7	0.0	0.0	0.0	0.0
25°	62.5	0.0	0.0	0.0	0.0
27.5°	27.0	0.0	0.0	0.0	0.0
30°	8.4	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	1.7	0.0	0.0	0.0	0.0
65°	1.7	1.7	0.0	0.0	0.0
67.5°	1.7	1.7	0.0	0.0	0.0
70°	1.7	1.7	0.0	0.0	0.0
72.5°	1.7	1.7	0.0	0.0	0.0
75°	1.7	1.7	0.0	0.0	0.0
77.5°	3.4	1.7	1.7	0.0	0.0
80°	3.4	1.7	1.7	0.0	0.0
82.5°	3.4	1.7	1.7	0.0	0.0
85°	1.7	1.7	1.7	0.0	0.0
87.5°	3.4	1.7	1.7	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)