

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: P1311825

Luminaire Tested: P3SQAS24R559050D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311825
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: P3SQAS24R559050D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R55 optic, 5000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

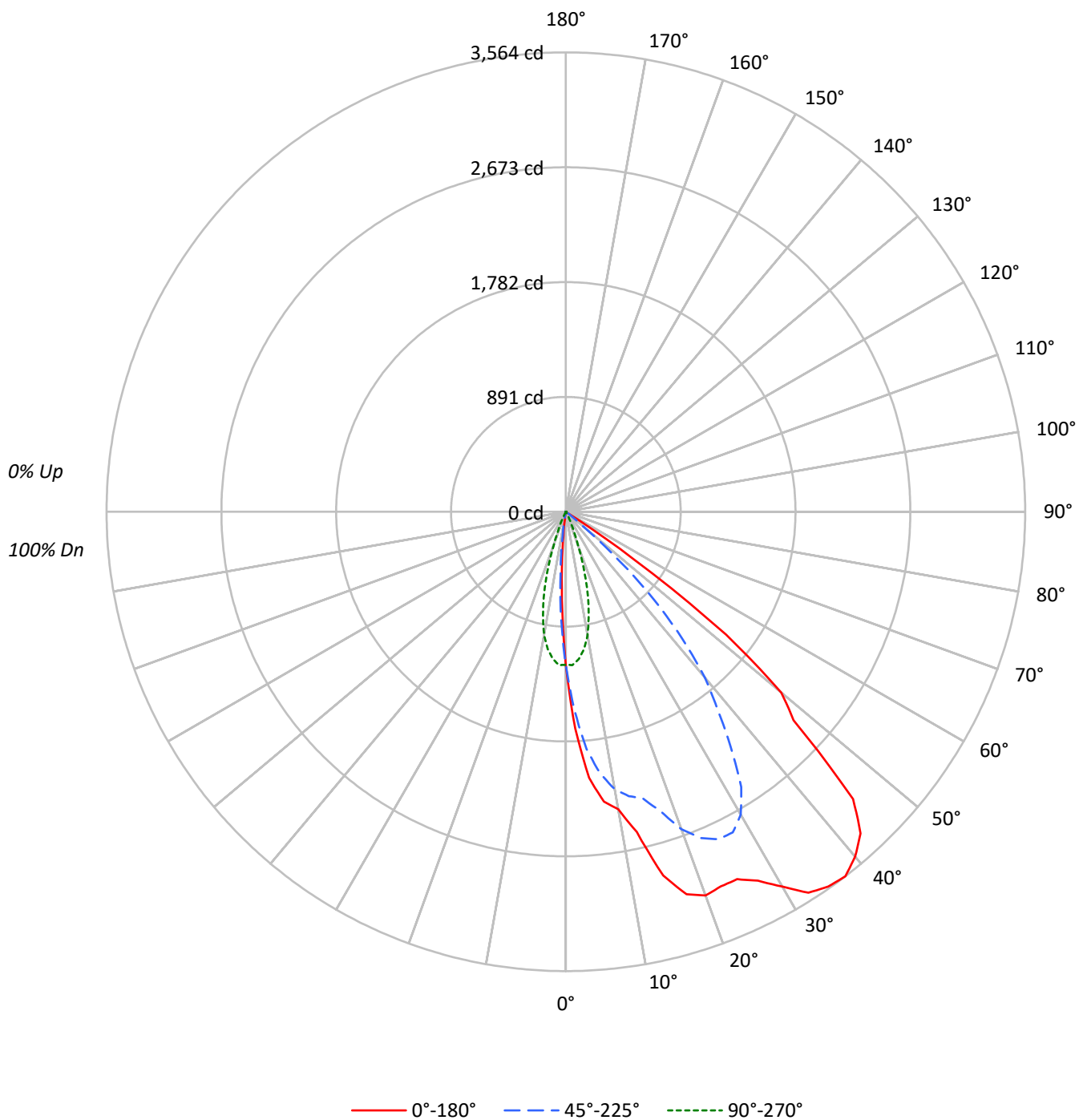
Lumens per Lamp: N/A
Luminaire Lumens: 2196.0 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	204359	204359	204359	204359	204359
5°	358191	319310	198363	82412	47456
10°	409987	382182	169616	9024	3253
15°	521022	410264	116268	1836	1105
20°	580580	479962	51061	0	0
25°	597653	532550	14518	0	0
30°	667711	539681	2048	0	0
35°	746265	468594	0	0	0
40°	785029	377204	0	0	0
45°	767529	238250	0	0	0
50°	584438	48656	0	0	0
55°	191476	0	0	0	0
60°	0	0	0	0	0
65°	0	856	856	0	0
70°	0	1057	1057	0	0
75°	0	1397	1397	0	0
80°	0	2083	4066	2083	0
85°	0	4150	4150	4150	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 767529 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.4	4.9
10°-20°	317.8	14.5
20°-30°	516.7	23.5
30°-40°	614.1	28.0
40°-50°	502.2	22.9
50°-60°	133.1	6.1
60°-70°	0.9	0.0
70°-80°	1.4	0.1
80°-90°	1.6	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°	942.9	42.9
0°-40°	1557.0	70.9
0°-60°	2192.3	99.8
0°-90°	2196.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2196.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1187	1187	1187	1187	1187	
5°	2072	1847	1147	477	274	203
15°	2922	2301	652	10	6	817
25°	3145	2802	76	0	0	1481
35°	3550	2229	0	0	0	2207
45°	3151	978	0	0	0	2262
55°	638	0	0	0	0	717
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°	1186.6	1186.6	1186.6	1186.6	1186.6	1186.6	1186.6	1186.6	1186.6	1186.6	1186.6
2.5°	1684.0	1671.6	1673.7	1667.5	1673.7	1646.8	1617.9	1591.1	1570.5	1541.6	1366.2
5°	2071.9	2051.3	2045.1	2036.9	2028.6	1995.6	1968.8	1935.7	1896.5	1847.0	1525.1
7.5°	2268.0	2251.5	2243.2	2247.4	2228.8	2216.4	2181.3	2144.2	2102.9	2049.2	1644.8
10°	2344.4	2327.8	2325.8	2323.7	2321.7	2313.4	2296.9	2263.9	2226.7	2185.4	1712.9
12.5°	2544.5	2507.4	2482.6	2453.7	2418.6	2373.2	2336.1	2307.2	2292.8	2259.7	1743.8
15°	2922.2	2887.1	2860.3	2823.1	2757.1	2660.1	2571.4	2457.9	2358.8	2301.0	1731.4
17.5°	3112.0	3095.5	3072.8	3048.1	3002.7	2932.5	2841.7	2722.0	2596.1	2433.1	1671.6
20°	3167.8	3159.5	3143.0	3132.7	3101.7	3052.2	2990.3	2897.4	2779.8	2618.8	1578.7
22.5°	3145.1	3151.3	3159.5	3186.3	3190.5	3155.4	3097.6	3008.9	2889.2	2740.6	1436.3
25°	3145.1	3140.9	3140.9	3196.7	3231.7	3215.2	3174.0	3093.5	2971.7	2802.5	1260.9
27.5°	3225.6	3200.8	3149.2	3207.0	3264.8	3258.6	3221.4	3126.5	2990.3	2804.6	1046.3
30°	3357.6	3304.0	3219.4	3273.0	3326.7	3304.0	3244.1	3122.4	2949.0	2713.8	784.2
32.5°	3504.1	3479.4	3436.0	3471.1	3462.9	3372.1	3264.8	3095.5	2864.4	2532.1	528.3
35°	3549.5	3553.7	3524.8	3518.6	3471.1	3378.3	3264.8	3019.2	2686.9	2228.8	313.7
37.5°	3564.0	3566.1	3520.7	3462.9	3392.7	3283.3	3147.1	2862.3	2358.8	1935.7	167.2
40°	3491.8	3489.7	3415.4	3345.2	3266.8	3159.5	2961.4	2532.1	2047.2	1677.8	59.8
42.5°	3384.5	3357.6	3287.5	3200.8	3105.9	2971.7	2662.2	2138.0	1778.9	1343.5	4.1
45°	3151.3	3126.5	3070.8	2977.9	2872.7	2682.8	2193.7	1836.7	1446.6	978.2	0.0
47.5°	2395.9	2383.6	2441.3	2453.7	2451.7	2235.0	1830.5	1498.2	1062.8	569.6	0.0
50°	2181.3	2164.8	2107.0	2032.7	1900.7	1719.1	1467.3	1110.3	623.2	181.6	0.0
52.5°	1566.3	1620.0	1632.4	1576.7	1452.8	1273.3	1011.2	639.7	216.7	0.0	0.0
55°	637.7	604.7	629.4	660.4	685.1	629.4	466.4	227.0	2.1	0.0	0.0
57.5°	0.0	2.1	12.4	28.9	47.5	59.8	64.0	4.1	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	2.1
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
65°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	2.1	2.1	2.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	4.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	4.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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

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CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	1186.6	1186.6	1186.6	1186.6	1186.6
2.5°	1190.8	1007.1	829.6	732.6	685.1
5°	1147.4	769.8	476.7	330.2	274.5
7.5°	1075.2	528.3	189.9	78.4	55.7
10°	969.9	303.4	51.6	20.6	18.6
12.5°	819.3	138.3	18.6	14.4	14.4
15°	652.1	47.5	10.3	8.3	6.2
17.5°	458.1	12.4	4.1	0.0	0.0
20°	278.6	2.1	0.0	0.0	0.0
22.5°	154.8	0.0	0.0	0.0	0.0
25°	76.4	0.0	0.0	0.0	0.0
27.5°	33.0	0.0	0.0	0.0	0.0
30°	10.3	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°	2.1	0.0	0.0	0.0	0.0
65°	2.1	2.1	0.0	0.0	0.0
67.5°	2.1	2.1	0.0	0.0	0.0
70°	2.1	2.1	0.0	0.0	0.0
72.5°	2.1	2.1	0.0	0.0	0.0
75°	2.1	2.1	0.0	0.0	0.0
77.5°	4.1	2.1	2.1	0.0	0.0
80°	4.1	2.1	2.1	0.0	0.0
82.5°	4.1	2.1	2.1	0.0	0.0
85°	2.1	2.1	2.1	0.0	0.0
87.5°	4.1	2.1	2.1	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)