

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: P1310739

Luminaire Tested: P3SQAS24R509040D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310739
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-53)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R509040D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

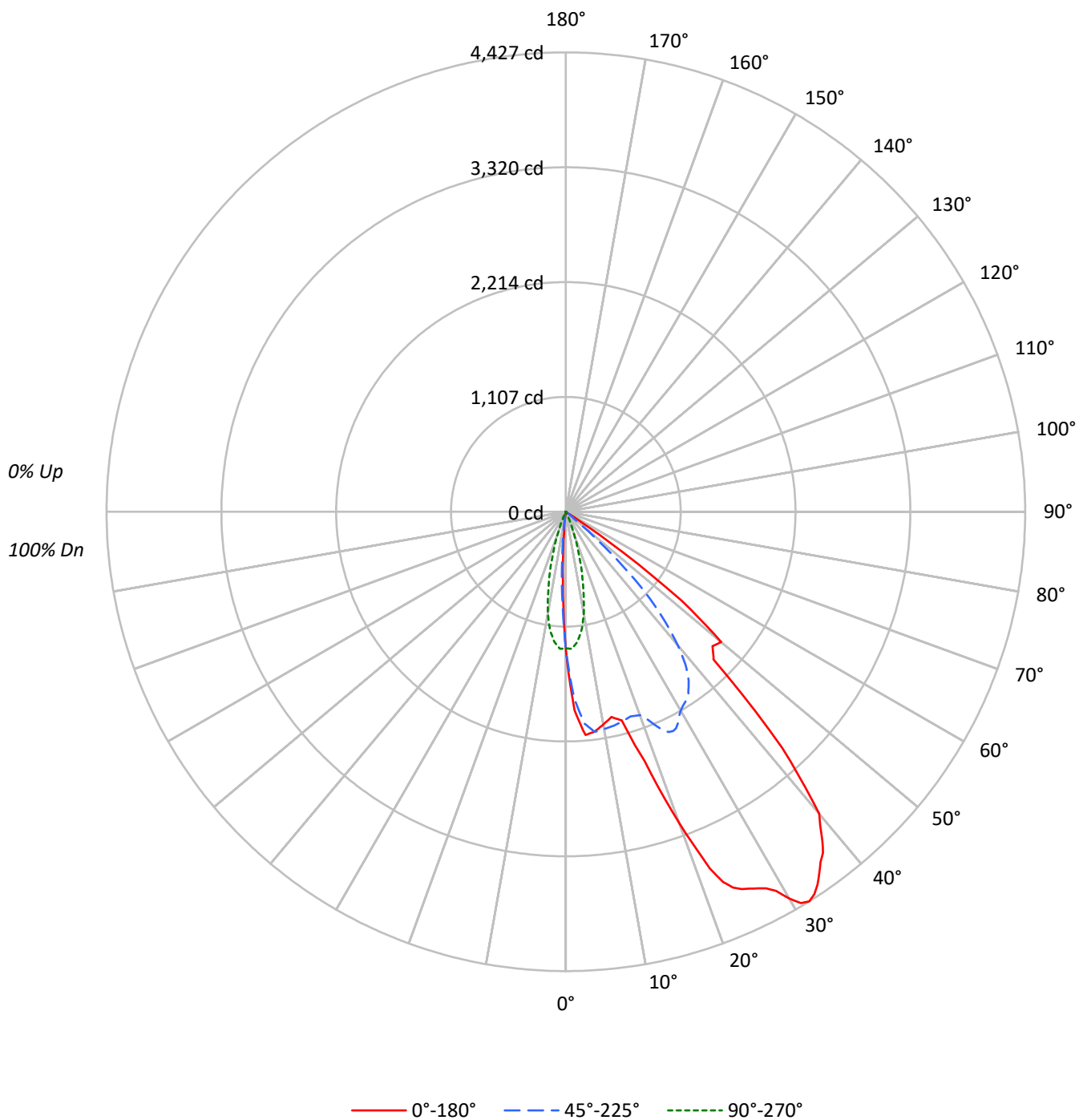
Lumens per Lamp: N/A
Luminaire Lumens: 2119.0 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Spacing Criteria (0/90/45): 1.8 / 0.48 / 1.24
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	99	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82		
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	74		
4	92	83	76	71	90	81	75	70	79	74	70	77	72	69	75	71	68	66		
5	86	76	68	63	84	75	68	63	73	67	62	71	66	62	69	65	61	59		
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54		
7	75	64	56	51	73	63	56	51	61	55	51	60	55	50	59	54	50	48		
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44		
9	66	54	47	42	64	54	47	42	53	46	42	52	46	42	51	45	42	40		
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	226576	226576	226576	226576	226576
5°	373335	354284	217743	64675	32346
10°	363837	371829	174460	3270	4354
15°	370949	373178	104500	3334	1105
20°	584722	382074	43051	0	0
25°	762273	445118	10261	0	0
30°	855599	440189	418	0	0
35°	895370	433483	0	0	0
40°	854184	376620	0	0	0
45°	490529	248553	0	0	0
50°	523457	28401	0	0	0
55°	149140	0	0	0	0
60°	0	0	723	0	0
65°	0	856	856	0	0
70°	0	1057	1057	0	0
75°	0	1397	1397	0	0
80°	0	2083	4166	2083	0
85°	0	4150	8299	4150	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°

Vertical Angle: 45°

Luminance: 541652 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.5	5.2
10°-20°	278.4	13.1
20°-30°	534.7	25.2
30°-40°	622.4	29.4
40°-50°	445.4	21.0
50°-60°	124.0	5.9
60°-70°	0.8	0.0
70°-80°	1.3	0.1
80°-90°	1.5	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°	923.6	43.6
0°-40°	1546.0	73.0
0°-60°	2115.4	99.8
0°-90°	2119.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2119.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1316	1316	1316	1316	1316	
5°	2160	2049	1260	374	187	198
15°	2080	2093	586	19	6	671
25°	4011	2342	54	0	0	1825
35°	4259	2062	0	0	0	2635
45°	2014	1020	0	0	0	1894
55°	497	0	0	0	0	625
65°	0	2	2	0	0	0
75°	0	2	2	0	0	0
85°	0	2	4	2	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	1315.6	1315.6	1315.6	1315.6	1315.6	1315.6	1315.6	1315.6	1315.6	1315.6	1315.6
2.5°	1912.2	1922.6	1924.6	1899.7	1903.8	1868.5	1870.6	1845.6	1785.4	1575.5	1321.9
5°	2159.5	2153.3	2159.5	2151.2	2159.5	2138.7	2126.2	2115.8	2049.3	1752.1	1259.5
7.5°	2136.6	2128.3	2140.8	2144.9	2159.5	2153.3	2155.3	2161.6	2138.7	1847.7	1153.5
10°	2080.5	2078.4	2084.7	2084.7	2101.3	2103.4	2111.7	2124.2	2126.2	1881.0	997.6
12.5°	2026.5	2020.2	2020.2	2018.2	2026.5	2024.4	2045.2	2074.3	2113.8	1860.2	783.6
15°	2080.5	2074.3	2066.0	2043.1	2026.5	2007.8	2009.8	2028.6	2093.0	1806.2	586.1
17.5°	2517.0	2483.7	2442.2	2369.4	2292.5	2159.5	2080.5	2030.6	2068.0	1723.0	390.7
20°	3190.4	3175.8	3109.3	2990.9	2866.2	2670.8	2427.6	2232.2	2084.7	1619.1	234.9
21°	3446.0	3437.7	3367.1	3256.9	3115.6	2878.6	2629.2	2394.4	2117.9	1575.5	185.0
22°	3707.9	3676.8	3620.6	3498.0	3350.4	3113.5	2835.0	2575.2	2184.4	1519.3	141.3
23°	3876.3	3857.6	3797.3	3699.6	3558.3	3327.6	3042.8	2760.2	2248.9	1457.0	106.0
24°	3963.6	3957.3	3909.5	3840.9	3720.4	3485.5	3215.3	2924.4	2302.9	1384.2	76.9
25°	4011.4	3990.6	3961.5	3911.6	3820.2	3616.5	3375.4	3067.8	2342.4	1311.5	54.0
26°	4040.5	4028.0	3982.3	3938.6	3851.3	3685.1	3479.3	3155.1	2352.8	1222.1	37.4
27°	4073.7	4044.6	4001.0	3949.0	3851.3	3705.8	3518.8	3192.5	2340.3	1130.7	24.9
28°	4109.1	4088.3	4028.0	3961.5	3845.1	3705.8	3504.2	3142.6	2302.9	1043.4	14.5
29°	4177.7	4150.6	4075.8	3978.1	3847.2	3701.7	3448.1	3038.7	2253.0	945.7	8.3
30°	4302.4	4246.2	4154.8	4017.6	3861.7	3693.4	3354.6	2882.8	2213.5	835.5	2.1
31°	4400.0	4368.9	4262.9	4090.4	3903.3	3670.5	3244.4	2729.0	2186.5	739.9	0.0
32°	4427.1	4404.2	4327.3	4165.2	3974.0	3651.8	3119.7	2579.3	2165.7	633.9	0.0
33°	4395.9	4381.3	4300.3	4152.7	3992.7	3626.9	2976.3	2431.8	2142.9	538.3	0.0
34°	4337.7	4319.0	4248.3	4098.7	3944.9	3518.8	2839.1	2319.5	2109.6	448.9	0.0
35°	4258.7	4244.2	4171.4	4023.8	3857.6	3350.4	2702.0	2244.7	2061.8	359.6	0.0
36°	4173.5	4169.3	4075.8	3930.3	3745.3	3188.3	2535.7	2188.6	2014.0	284.7	0.0
37°	4117.4	4096.6	3994.8	3851.3	3612.3	2999.2	2402.7	2169.9	1947.5	220.3	0.0
38°	4015.5	4019.7	3903.3	3772.4	3477.2	2835.0	2294.6	2155.3	1872.7	160.0	0.0
39°	3895.0	3897.1	3776.5	3664.3	3317.2	2662.5	2205.2	2140.8	1779.1	101.8	0.0
40°	3799.4	3797.3	3660.1	3539.6	3144.7	2500.4	2157.4	2120.0	1675.2	58.2	0.0
42.5°	3088.6	3101.0	3117.7	3167.5	2739.4	2215.6	2111.7	2003.6	1380.1	0.0	0.0
45°	2014.0	2061.8	2074.3	2223.9	2221.8	2099.2	2003.6	1795.8	1020.5	0.0	0.0
47.5°	1916.3	1930.9	1957.9	2016.1	2047.3	1987.0	1791.6	1500.6	557.0	0.0	0.0
50°	1953.7	1951.7	1957.9	1957.9	1901.8	1745.9	1469.5	1107.8	106.0	0.0	0.0
52.5°	1402.9	1454.9	1511.0	1536.0	1463.2	1299.0	1072.5	650.6	0.0	0.0	0.0
55°	496.7	480.1	467.6	511.3	500.9	563.3	465.6	151.7	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	2.1	8.3	18.7	24.9	0.0	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	2.1	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	0.0	0.0	2.1	2.1	2.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	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	2.1	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	4.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	4.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	4.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	4.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	4.2
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):

	112.5°	135°	157.5°	180°
0°	1315.6	1315.6	1315.6	1315.6
2.5°	1053.8	808.5	654.7	665.1
5°	739.9	374.1	230.7	187.1
7.5°	442.7	114.3	22.9	18.7
10°	207.8	18.7	20.8	24.9
12.5°	62.4	16.6	22.9	20.8
15°	16.6	18.7	10.4	6.2
17.5°	6.2	8.3	0.0	0.0
20°	4.2	0.0	0.0	0.0
21°	4.2	0.0	0.0	0.0
22°	2.1	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	2.1	0.0	0.0	0.0
67.5°	2.1	0.0	0.0	0.0
70°	2.1	0.0	0.0	0.0
72.5°	2.1	0.0	0.0	0.0
75°	2.1	0.0	0.0	0.0
77.5°	2.1	0.0	0.0	0.0
80°	2.1	2.1	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	2.1	2.1	0.0	0.0
85°	2.1	2.1	0.0	0.0
87.5°	2.1	2.1	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)