

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: P1307394

Luminaire Tested: P3SQAS24R559027D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307394
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: P3SQAS24R559027D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

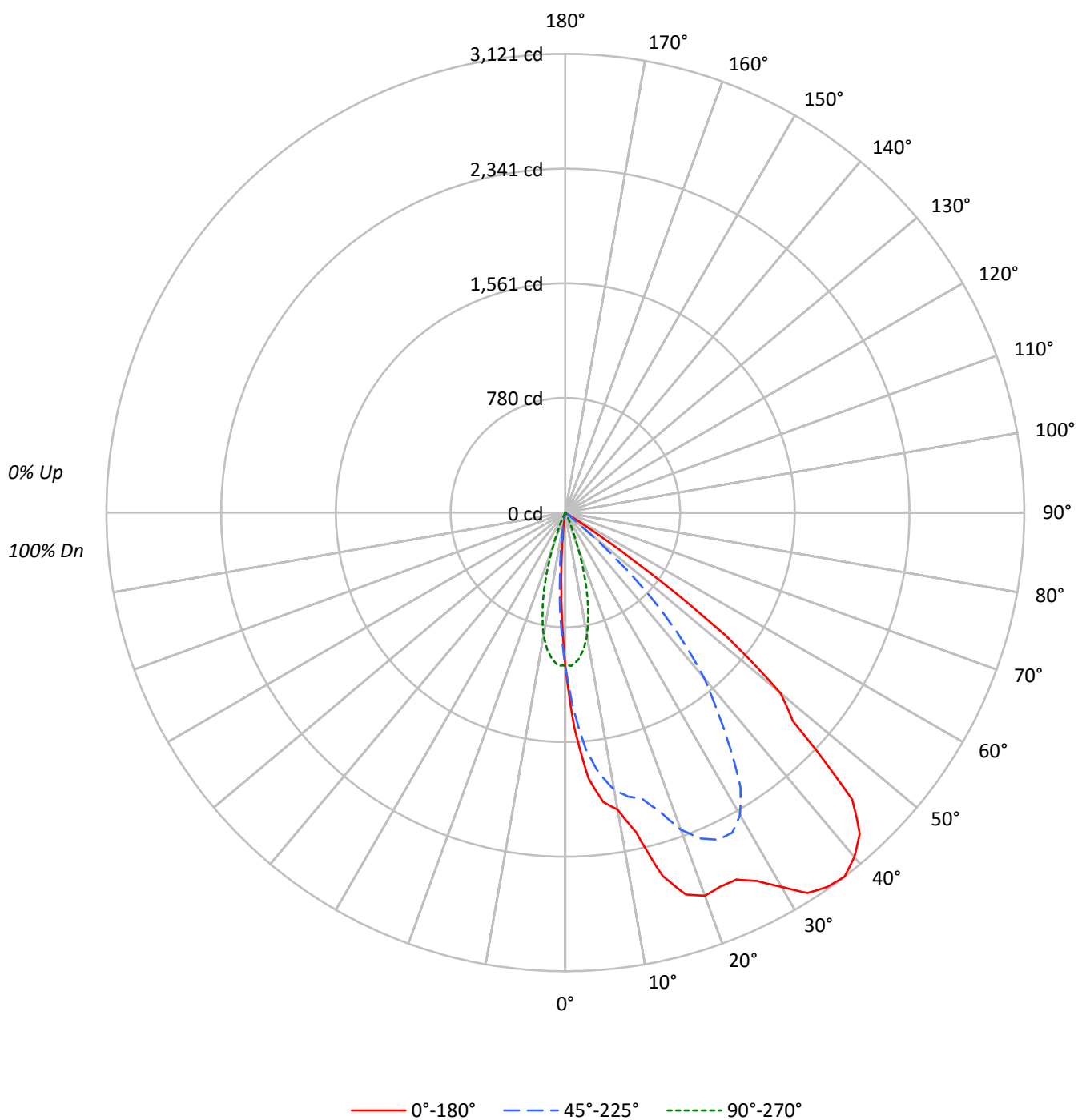
Lumens per Lamp: N/A
Luminaire Lumens: 1923.0 lumens
Efficiency: N/A
Efficacy: 66.8 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	91	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°	178957	178957	178957	178957	178957
5°	313674	279617	173710	72160	41543
10°	359010	334684	148543	7905	2851
15°	456247	359270	101826	1605	963
20°	508406	420306	44719	0	0
25°	523352	466344	12713	0	0
30°	584705	472584	1790	0	0
35°	653505	410335	0	0	0
40°	687434	330307	0	0	0
45°	672103	208633	0	0	0
50°	511775	42601	0	0	0
55°	167666	0	0	0	0
60°	0	0	0	0	0
65°	0	734	734	0	0
70°	0	906	906	0	0
75°	0	1198	1198	0	0
80°	0	1785	3570	1785	0
85°	0	3557	3557	3557	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 672103 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.9	4.9
10°-20°	278.3	14.5
20°-30°	452.5	23.5
30°-40°	537.8	28.0
40°-50°	439.7	22.9
50°-60°	116.6	6.1
60°-70°	0.7	0.0
70°-80°	1.2	0.1
80°-90°	1.4	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°	825.7	42.9
0°-40°	1363.4	70.9
0°-60°	1919.7	99.8
0°-90°	1923.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1923.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1039	1039	1039	1039	1039	
5°	1814	1617	1005	417	240	178
15°	2559	2015	571	9	5	715
25°	2754	2454	67	0	0	1297
35°	3108	1952	0	0	0	1933
45°	2760	857	0	0	0	1981
55°	558	0	0	0	0	628
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°	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1
2.5°	1474.6	1463.8	1465.6	1460.2	1465.6	1442.1	1416.8	1393.3	1375.2	1349.9	1196.3
5°	1814.4	1796.3	1790.9	1783.6	1776.4	1747.5	1724.0	1695.1	1660.8	1617.4	1335.5
7.5°	1986.0	1971.6	1964.4	1968.0	1951.7	1940.9	1910.1	1877.6	1841.5	1794.5	1440.3
10°	2052.9	2038.5	2036.6	2034.8	2033.0	2025.8	2011.3	1982.4	1949.9	1913.8	1499.9
12.5°	2228.2	2195.7	2174.0	2148.7	2118.0	2078.2	2045.7	2020.4	2007.7	1978.8	1527.0
15°	2558.9	2528.2	2504.7	2472.2	2414.3	2329.4	2251.7	2152.3	2065.6	2015.0	1516.2
17.5°	2725.2	2710.7	2690.8	2669.1	2629.4	2567.9	2488.4	2383.6	2273.4	2130.6	1463.8
20°	2774.0	2766.7	2752.3	2743.2	2716.1	2672.8	2618.5	2537.2	2434.2	2293.3	1382.5
22.5°	2754.1	2759.5	2766.7	2790.2	2793.8	2763.1	2712.5	2634.8	2530.0	2399.9	1257.8
25°	2754.1	2750.5	2750.5	2799.3	2830.0	2815.5	2779.4	2708.9	2602.3	2454.1	1104.2
27.5°	2824.6	2802.9	2757.7	2808.3	2858.9	2853.5	2820.9	2737.8	2618.5	2455.9	916.2
30°	2940.2	2893.2	2819.1	2866.1	2913.1	2893.2	2840.8	2734.2	2582.4	2376.4	686.7
32.5°	3068.5	3046.8	3008.9	3039.6	3032.4	2952.9	2858.9	2710.7	2508.3	2217.4	462.6
35°	3108.3	3111.9	3086.6	3081.2	3039.6	2958.3	2858.9	2643.8	2352.9	1951.7	274.7
37.5°	3120.9	3122.7	3083.0	3032.4	2970.9	2875.2	2755.9	2506.5	2065.6	1695.1	146.4
40°	3057.7	3055.9	2990.8	2929.4	2860.7	2766.7	2593.2	2217.4	1792.7	1469.2	52.4
42.5°	2963.7	2940.2	2878.8	2802.9	2719.7	2602.3	2331.2	1872.2	1557.8	1176.4	3.6
45°	2759.5	2737.8	2689.0	2607.7	2515.5	2349.3	1921.0	1608.4	1266.8	856.6	0.0
47.5°	2098.1	2087.2	2137.8	2148.7	2146.9	1957.1	1602.9	1312.0	930.7	498.8	0.0
50°	1910.1	1895.7	1845.1	1780.0	1664.4	1505.3	1284.9	972.2	545.8	159.0	0.0
52.5°	1371.6	1418.6	1429.4	1380.7	1272.2	1115.0	885.5	560.2	189.7	0.0	0.0
55°	558.4	529.5	551.2	578.3	600.0	551.2	408.4	198.8	1.8	0.0	0.0
57.5°	0.0	1.8	10.8	25.3	41.6	52.4	56.0	3.6	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	1.8
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
65°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	1.8	1.8	1.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	3.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	3.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
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°	1039.1	1039.1	1039.1	1039.1	1039.1
2.5°	1042.7	881.9	726.5	641.5	600.0
5°	1004.8	674.1	417.4	289.1	240.3
7.5°	941.5	462.6	166.3	68.7	48.8
10°	849.4	265.6	45.2	18.1	16.3
12.5°	717.4	121.1	16.3	12.6	12.6
15°	571.1	41.6	9.0	7.2	5.4
17.5°	401.2	10.8	3.6	0.0	0.0
20°	244.0	1.8	0.0	0.0	0.0
22.5°	135.5	0.0	0.0	0.0	0.0
25°	66.9	0.0	0.0	0.0	0.0
27.5°	28.9	0.0	0.0	0.0	0.0
30°	9.0	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°	1.8	0.0	0.0	0.0	0.0
65°	1.8	1.8	0.0	0.0	0.0
67.5°	1.8	1.8	0.0	0.0	0.0
70°	1.8	1.8	0.0	0.0	0.0
72.5°	1.8	1.8	0.0	0.0	0.0
75°	1.8	1.8	0.0	0.0	0.0
77.5°	3.6	1.8	1.8	0.0	0.0
80°	3.6	1.8	1.8	0.0	0.0
82.5°	3.6	1.8	1.8	0.0	0.0
85°	1.8	1.8	1.8	0.0	0.0
87.5°	3.6	1.8	1.8	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)