

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: P1308513

Luminaire Tested: P3SQAS24R559030D010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308513
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: P3SQAS24R559030D010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

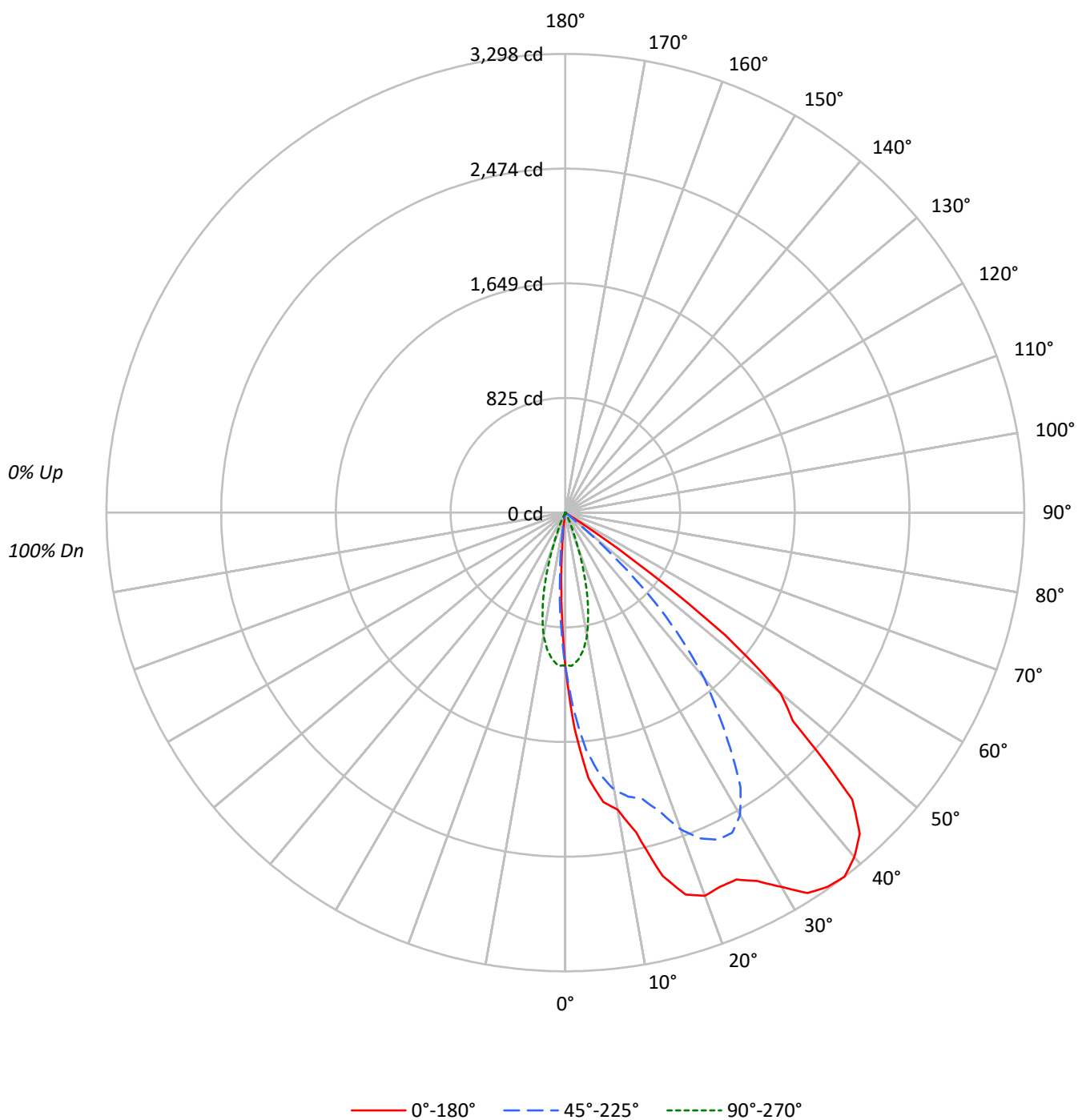
Lumens per Lamp: N/A
Luminaire Lumens: 2032.0 lumens
Efficiency: N/A
Efficacy: 70.6 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	189100	189100	189100	189100	189100
5°	331447	295470	183547	76258	43912
10°	379366	353641	156954	8342	3008
15°	482118	379632	107585	1694	1016
20°	537217	444113	47248	0	0
25°	553016	492777	13435	0	0
30°	617855	499371	1889	0	0
35°	690550	433588	0	0	0
40°	726396	349034	0	0	0
45°	710195	220446	0	0	0
50°	540792	45012	0	0	0
55°	177184	0	0	0	0
60°	0	0	0	0	0
65°	0	774	774	0	0
70°	0	957	957	0	0
75°	0	1264	1264	0	0
80°	0	1884	3769	1884	0
85°	0	3754	3754	3754	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 710195 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.3	4.9
10°-20°	294.0	14.5
20°-30°	478.1	23.5
30°-40°	568.2	28.0
40°-50°	464.7	22.9
50°-60°	123.2	6.1
60°-70°	0.8	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°	872.5	42.9
0°-40°	1440.7	70.9
0°-60°	2028.5	99.8
0°-90°	2032.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2032.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1098	1098	1098	1098	1098	
5°	1917	1709	1062	441	254	188
15°	2704	2129	603	10	6	756
25°	2910	2593	71	0	0	1370
35°	3284	2062	0	0	0	2042
45°	2916	905	0	0	0	2093
55°	590	0	0	0	0	663
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°	1098.0	1098.0	1098.0	1098.0	1098.0	1098.0	1098.0	1098.0	1098.0	1098.0	1098.0
2.5°	1558.2	1546.8	1548.7	1542.9	1548.7	1523.8	1497.1	1472.3	1453.2	1426.5	1264.1
5°	1917.2	1898.1	1892.4	1884.7	1877.1	1846.6	1821.7	1791.2	1754.9	1709.1	1411.2
7.5°	2098.6	2083.3	2075.7	2079.5	2062.3	2050.9	2018.4	1984.0	1945.9	1896.2	1521.9
10°	2169.3	2154.0	2152.1	2150.2	2148.3	2140.6	2125.4	2094.8	2060.4	2022.2	1584.9
12.5°	2354.5	2320.1	2297.2	2270.5	2238.0	2196.0	2161.6	2134.9	2121.5	2091.0	1613.6
15°	2704.0	2671.5	2646.7	2612.3	2551.2	2461.4	2379.3	2274.3	2182.6	2129.2	1602.1
17.5°	2879.6	2864.4	2843.4	2820.4	2778.4	2713.5	2629.5	2518.7	2402.2	2251.4	1546.8
20°	2931.2	2923.6	2908.3	2898.7	2870.1	2824.3	2767.0	2681.0	2572.2	2423.2	1460.8
22.5°	2910.2	2915.9	2923.6	2948.4	2952.2	2919.7	2866.3	2784.2	2673.4	2535.9	1329.1
25°	2910.2	2906.4	2906.4	2957.9	2990.4	2975.1	2936.9	2862.4	2749.8	2593.2	1166.7
27.5°	2984.7	2961.7	2914.0	2967.5	3020.9	3015.2	2980.8	2893.0	2767.0	2595.1	968.2
30°	3106.9	3057.2	2978.9	3028.6	3078.2	3057.2	3001.8	2889.2	2728.8	2511.1	725.6
32.5°	3242.5	3219.5	3179.4	3211.9	3204.3	3120.2	3020.9	2864.4	2650.5	2343.0	488.9
35°	3284.5	3288.3	3261.6	3255.8	3211.9	3126.0	3020.9	2793.7	2486.3	2062.3	290.3
37.5°	3297.8	3299.7	3257.7	3204.3	3139.3	3038.1	2912.1	2648.6	2182.6	1791.2	154.7
40°	3231.0	3229.1	3160.3	3095.4	3022.9	2923.6	2740.2	2343.0	1894.3	1552.5	55.4
42.5°	3131.7	3106.9	3041.9	2961.7	2873.9	2749.8	2463.3	1978.3	1646.1	1243.1	3.8
45°	2915.9	2893.0	2841.4	2755.5	2658.1	2482.4	2029.9	1699.5	1338.6	905.1	0.0
47.5°	2217.0	2205.6	2259.0	2270.5	2268.6	2068.1	1693.8	1386.3	983.4	527.0	0.0
50°	2018.4	2003.1	1949.7	1880.9	1758.7	1590.7	1357.7	1027.4	576.7	168.0	0.0
52.5°	1449.4	1499.0	1510.5	1458.9	1344.3	1178.2	935.7	592.0	200.5	0.0	0.0
55°	590.1	559.5	582.4	611.1	634.0	582.4	431.6	210.1	1.9	0.0	0.0
57.5°	0.0	1.9	11.5	26.7	43.9	55.4	59.2	3.8	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	1.9
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
65°	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	1.9	1.9	1.9
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	3.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	3.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9
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°	1098.0	1098.0	1098.0	1098.0	1098.0
2.5°	1101.8	931.9	767.6	677.9	634.0
5°	1061.7	712.3	441.1	305.5	254.0
7.5°	994.9	488.9	175.7	72.6	51.6
10°	897.5	280.7	47.7	19.1	17.2
12.5°	758.1	127.9	17.2	13.4	13.4
15°	603.4	43.9	9.5	7.6	5.7
17.5°	423.9	11.5	3.8	0.0	0.0
20°	257.8	1.9	0.0	0.0	0.0
22.5°	143.2	0.0	0.0	0.0	0.0
25°	70.7	0.0	0.0	0.0	0.0
27.5°	30.6	0.0	0.0	0.0	0.0
30°	9.5	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°	1.9	0.0	0.0	0.0	0.0
65°	1.9	1.9	0.0	0.0	0.0
67.5°	1.9	1.9	0.0	0.0	0.0
70°	1.9	1.9	0.0	0.0	0.0
72.5°	1.9	1.9	0.0	0.0	0.0
75°	1.9	1.9	0.0	0.0	0.0
77.5°	3.8	1.9	1.9	0.0	0.0
80°	3.8	1.9	1.9	0.0	0.0
82.5°	3.8	1.9	1.9	0.0	0.0
85°	1.9	1.9	1.9	0.0	0.0
87.5°	3.8	1.9	1.9	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)