

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: P1315713

Luminaire Tested: P3SQAS20R559740D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315713
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: P3SQAS20R559740D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 97CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

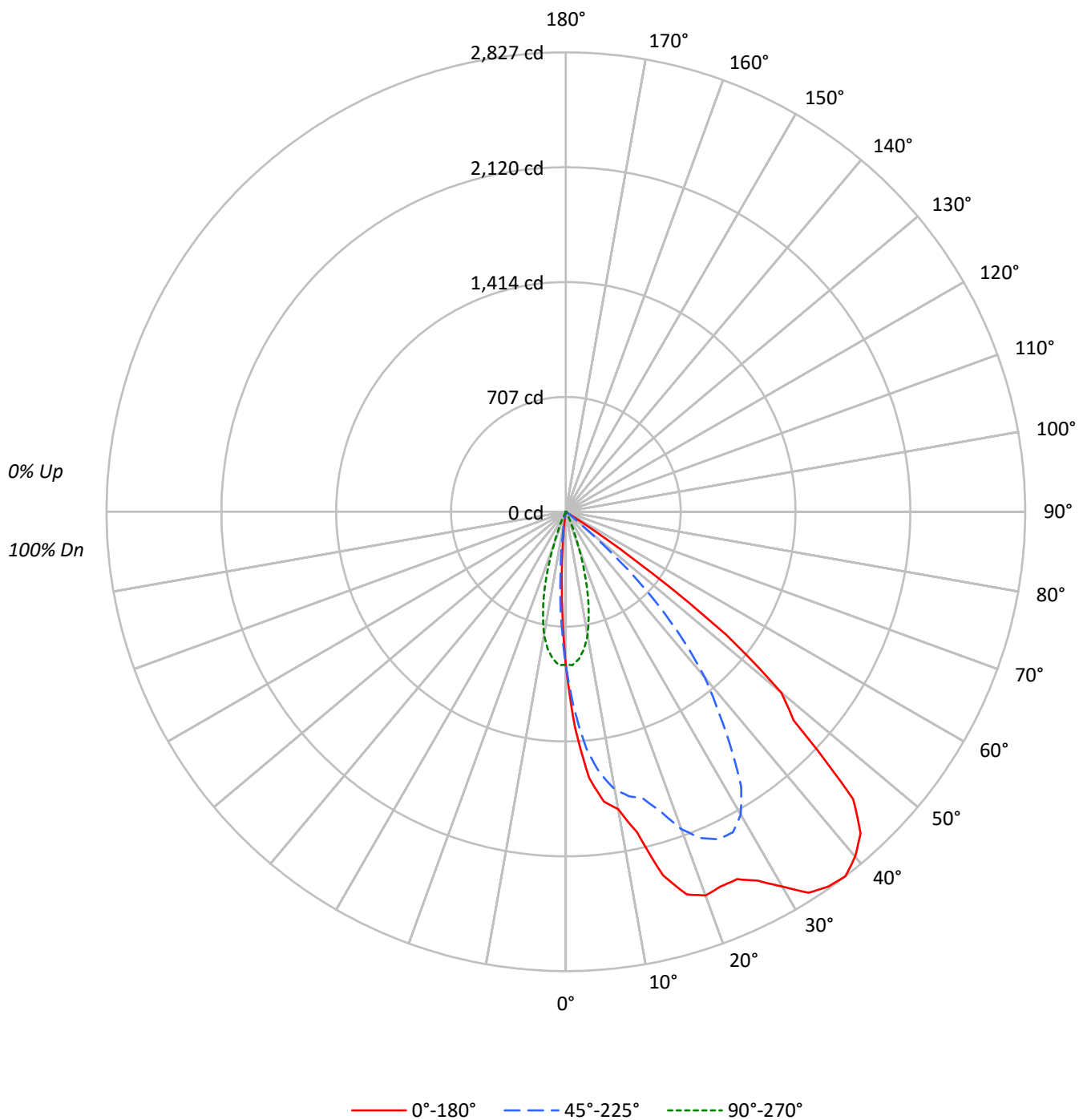
Lumens per Lamp: N/A
Luminaire Lumens: 1742.0 lumens
Efficiency: N/A
Efficacy: 60.5 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	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°	162113	162113	162113	162113	162113
5°	284146	253305	157356	65383	37636
10°	325223	303171	134552	7153	2571
15°	413313	325447	92234	1462	874
20°	460553	380737	40504	0	0
25°	474098	422448	11516	0	0
30°	529678	428098	1631	0	0
35°	591987	371713	0	0	0
40°	622731	299214	0	0	0
45°	608850	189002	0	0	0
50°	463628	38609	0	0	0
55°	151872	0	0	0	0
60°	0	0	0	0	0
65°	0	652	652	0	0
70°	0	806	806	0	0
75°	0	1065	1065	0	0
80°	0	1587	3273	1587	0
85°	0	3162	3162	3162	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 608850 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.0	4.9
10°-20°	252.1	14.5
20°-30°	409.9	23.5
30°-40°	487.1	28.0
40°-50°	398.4	22.9
50°-60°	105.6	6.1
60°-70°	0.7	0.0
70°-80°	1.1	0.1
80°-90°	1.2	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°	748.0	42.9
0°-40°	1235.1	70.9
0°-60°	1739.0	99.8
0°-90°	1742.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1742.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	941	941	941	941	941	
5°	1644	1465	910	378	218	161
15°	2318	1825	517	8	5	648
25°	2495	2223	61	0	0	1175
35°	2816	1768	0	0	0	1751
45°	2500	776	0	0	0	1794
55°	506	0	0	0	0	569
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°	941.3	941.3	941.3	941.3	941.3	941.3	941.3	941.3	941.3	941.3	941.3
2.5°	1335.8	1326.0	1327.6	1322.7	1327.6	1306.4	1283.4	1262.2	1245.8	1222.9	1083.7
5°	1643.6	1627.2	1622.3	1615.8	1609.2	1583.0	1561.7	1535.5	1504.4	1465.2	1209.8
7.5°	1799.1	1786.0	1779.5	1782.7	1768.0	1758.2	1730.4	1700.9	1668.1	1625.6	1304.7
10°	1859.7	1846.6	1844.9	1843.3	1841.7	1835.1	1822.0	1795.8	1766.4	1733.6	1358.7
12.5°	2018.5	1989.0	1969.4	1946.4	1918.6	1882.6	1853.1	1830.2	1818.8	1792.6	1383.3
15°	2318.1	2290.2	2268.9	2239.5	2187.1	2110.2	2039.8	1949.7	1871.1	1825.3	1373.5
17.5°	2468.7	2455.6	2437.6	2417.9	2381.9	2326.2	2254.2	2159.3	2059.4	1930.1	1326.0
20°	2512.9	2506.3	2493.2	2485.0	2460.5	2421.2	2372.1	2298.4	2205.1	2077.4	1252.3
22.5°	2494.9	2499.8	2506.3	2527.6	2530.9	2503.0	2457.2	2386.8	2291.9	2174.0	1139.4
25°	2494.9	2491.6	2491.6	2535.8	2563.6	2550.5	2517.8	2453.9	2357.3	2223.1	1000.2
27.5°	2558.7	2539.1	2498.1	2544.0	2589.8	2584.9	2555.4	2480.1	2372.1	2224.7	830.0
30°	2663.5	2620.9	2553.8	2596.4	2638.9	2620.9	2573.4	2476.8	2339.3	2152.7	622.1
32.5°	2779.7	2760.1	2725.7	2753.5	2747.0	2674.9	2589.8	2455.6	2272.2	2008.7	419.1
35°	2815.7	2819.0	2796.1	2791.2	2753.5	2679.8	2589.8	2395.0	2131.4	1768.0	248.8
37.5°	2827.2	2828.8	2792.8	2747.0	2691.3	2604.5	2496.5	2270.6	1871.1	1535.5	132.6
40°	2769.9	2768.2	2709.3	2653.7	2591.4	2506.3	2349.2	2008.7	1623.9	1330.9	47.5
42.5°	2684.8	2663.5	2607.8	2539.1	2463.8	2357.3	2111.8	1696.0	1411.1	1065.7	3.3
45°	2499.8	2480.1	2435.9	2362.3	2278.8	2128.2	1740.2	1457.0	1147.6	776.0	0.0
47.5°	1900.6	1890.8	1936.6	1946.4	1944.8	1772.9	1452.1	1188.5	843.1	451.8	0.0
50°	1730.4	1717.3	1671.4	1612.5	1507.7	1363.7	1163.9	880.7	494.4	144.1	0.0
52.5°	1242.5	1285.1	1294.9	1250.7	1152.5	1010.1	802.2	507.5	171.9	0.0	0.0
55°	505.8	479.7	499.3	523.9	543.5	499.3	370.0	180.1	1.6	0.0	0.0
57.5°	0.0	1.6	9.8	22.9	37.7	47.5	50.7	3.3	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	1.6
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
65°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	1.6	1.6	1.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	3.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	3.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
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°	941.3	941.3	941.3	941.3	941.3
2.5°	944.6	798.9	658.1	581.2	543.5
5°	910.2	610.6	378.2	261.9	217.7
7.5°	852.9	419.1	150.6	62.2	44.2
10°	769.4	240.6	40.9	16.4	14.7
12.5°	649.9	109.7	14.7	11.5	11.5
15°	517.3	37.7	8.2	6.5	4.9
17.5°	363.4	9.8	3.3	0.0	0.0
20°	221.0	1.6	0.0	0.0	0.0
22.5°	122.8	0.0	0.0	0.0	0.0
25°	60.6	0.0	0.0	0.0	0.0
27.5°	26.2	0.0	0.0	0.0	0.0
30°	8.2	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°	1.6	0.0	0.0	0.0	0.0
65°	1.6	1.6	0.0	0.0	0.0
67.5°	1.6	1.6	0.0	0.0	0.0
70°	1.6	1.6	0.0	0.0	0.0
72.5°	1.6	1.6	0.0	0.0	0.0
75°	1.6	1.6	0.0	0.0	0.0
77.5°	3.3	1.6	1.6	0.0	0.0
80°	3.3	1.6	1.6	0.0	0.0
82.5°	3.3	1.6	1.6	0.0	0.0
85°	1.6	1.6	1.6	0.0	0.0
87.5°	3.3	1.6	1.6	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)