

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: P1314741

Luminaire Tested: P3SQAS20R559735D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314741
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: P3SQAS20R559735D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 97CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

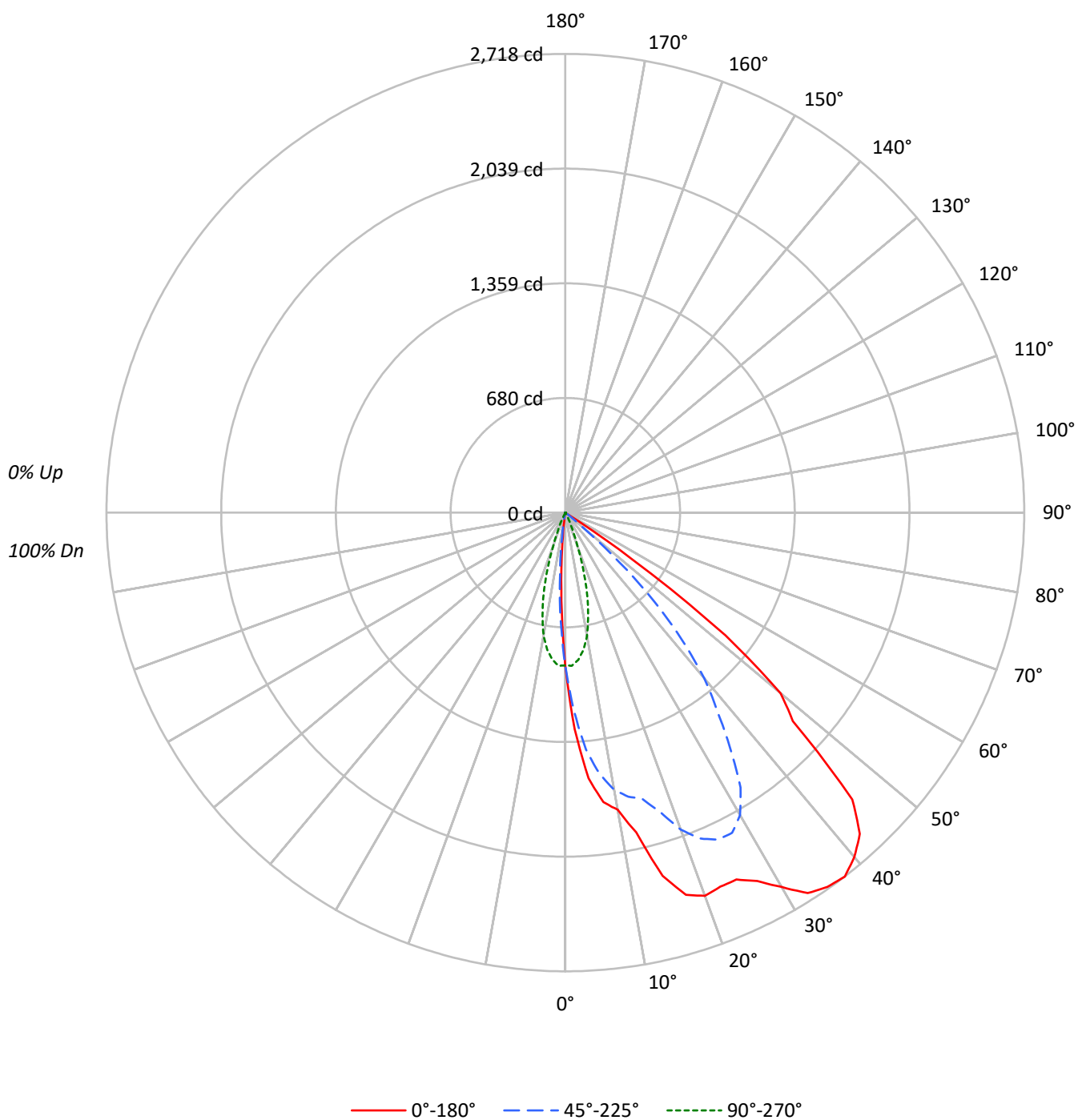
Lumens per Lamp: N/A
Luminaire Lumens: 1675.0 lumens
Efficiency: N/A
Efficacy: 58.2 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	155879	155879	155879	155879	155879
5°	273220	243554	151305	62859	36201
10°	312719	291524	129376	6890	2483
15°	397408	312931	88685	1409	838
20°	442830	366093	38946	0	0
25°	455855	406201	11060	0	0
30°	509295	411632	1571	0	0
35°	569217	357417	0	0	0
40°	598765	287703	0	0	0
45°	585420	181720	0	0	0
50°	445783	37108	0	0	0
55°	146047	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	3075	1587	0
85°	0	3162	3162	3162	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 585420 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.7	4.9
10°-20°	242.4	14.5
20°-30°	394.1	23.5
30°-40°	468.4	28.0
40°-50°	383.0	22.9
50°-60°	101.5	6.1
60°-70°	0.7	0.0
70°-80°	1.0	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°	719.2	42.9
0°-40°	1187.6	70.9
0°-60°	1672.1	99.8
0°-90°	1675.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1675.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	905	905	905	905	905	
5°	1580	1409	875	364	209	155
15°	2229	1755	497	8	5	623
25°	2399	2138	58	0	0	1130
35°	2707	1700	0	0	0	1683
45°	2404	746	0	0	0	1725
55°	486	0	0	0	0	547
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°	905.1	905.1	905.1	905.1	905.1	905.1	905.1	905.1	905.1	905.1	905.1
2.5°	1284.5	1275.0	1276.6	1271.9	1276.6	1256.1	1234.1	1213.6	1197.9	1175.8	1042.0
5°	1580.4	1564.6	1559.9	1553.6	1547.3	1522.1	1501.7	1476.5	1446.6	1408.8	1163.2
7.5°	1729.9	1717.3	1711.0	1714.2	1700.0	1690.6	1663.8	1635.5	1604.0	1563.1	1254.5
10°	1788.2	1775.6	1774.0	1772.4	1770.8	1764.5	1752.0	1726.8	1698.4	1667.0	1306.5
12.5°	1940.8	1912.5	1893.6	1871.6	1844.8	1810.2	1781.9	1759.8	1748.8	1723.6	1330.1
15°	2228.9	2202.1	2181.7	2153.3	2103.0	2029.0	1961.3	1874.7	1799.2	1755.1	1320.7
17.5°	2373.7	2361.1	2343.8	2324.9	2290.3	2236.8	2167.5	2076.2	1980.2	1855.8	1275.0
20°	2416.2	2409.9	2397.3	2389.5	2365.8	2328.1	2280.8	2210.0	2120.3	1997.5	1204.2
22.5°	2398.9	2403.6	2409.9	2430.4	2433.5	2406.8	2362.7	2295.0	2203.7	2090.4	1095.6
25°	2398.9	2395.8	2395.8	2438.3	2465.0	2452.4	2420.9	2359.5	2266.7	2137.6	961.8
27.5°	2460.3	2441.4	2402.0	2446.1	2490.2	2485.5	2457.1	2384.7	2280.8	2139.2	798.1
30°	2561.0	2520.1	2455.6	2496.5	2537.4	2520.1	2474.5	2381.6	2249.4	2069.9	598.2
32.5°	2672.8	2653.9	2620.8	2647.6	2641.3	2572.0	2490.2	2361.1	2184.8	1931.4	403.0
35°	2707.4	2710.6	2688.5	2683.8	2647.6	2576.8	2490.2	2302.9	2049.5	1700.0	239.3
37.5°	2718.4	2720.0	2685.4	2641.3	2587.8	2504.4	2400.5	2183.3	1799.2	1476.5	127.5
40°	2663.3	2661.8	2605.1	2551.6	2491.8	2409.9	2258.8	1931.4	1561.5	1279.7	45.6
42.5°	2581.5	2561.0	2507.5	2441.4	2369.0	2266.7	2030.6	1630.7	1356.9	1024.7	3.1
45°	2403.6	2384.7	2342.2	2271.4	2191.1	2046.3	1673.2	1400.9	1103.4	746.1	0.0
47.5°	1827.5	1818.1	1862.1	1871.6	1870.0	1704.7	1396.2	1142.8	810.7	434.4	0.0
50°	1663.8	1651.2	1607.1	1550.5	1449.7	1311.2	1119.2	846.9	475.4	138.5	0.0
52.5°	1194.7	1235.7	1245.1	1202.6	1108.2	971.2	771.3	488.0	165.3	0.0	0.0
55°	486.4	461.2	480.1	503.7	522.6	480.1	355.7	173.1	1.6	0.0	0.0
57.5°	0.0	1.6	9.4	22.0	36.2	45.6	48.8	3.1	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	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	3.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	3.1
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°	905.1	905.1	905.1	905.1	905.1
2.5°	908.2	768.2	632.8	558.8	522.6
5°	875.2	587.1	363.6	251.9	209.4
7.5°	820.1	403.0	144.8	59.8	42.5
10°	739.8	231.4	39.4	15.7	14.2
12.5°	624.9	105.5	14.2	11.0	11.0
15°	497.4	36.2	7.9	6.3	4.7
17.5°	349.4	9.4	3.1	0.0	0.0
20°	212.5	1.6	0.0	0.0	0.0
22.5°	118.1	0.0	0.0	0.0	0.0
25°	58.2	0.0	0.0	0.0	0.0
27.5°	25.2	0.0	0.0	0.0	0.0
30°	7.9	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°	3.1	1.6	1.6	0.0	0.0
80°	3.1	1.6	1.6	0.0	0.0
82.5°	3.1	1.6	1.6	0.0	0.0
85°	1.6	1.6	1.6	0.0	0.0
87.5°	3.1	1.6	1.6	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)