

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: P1313255

Luminaire Tested: P3SQAS09R359730DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313255
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R359730DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

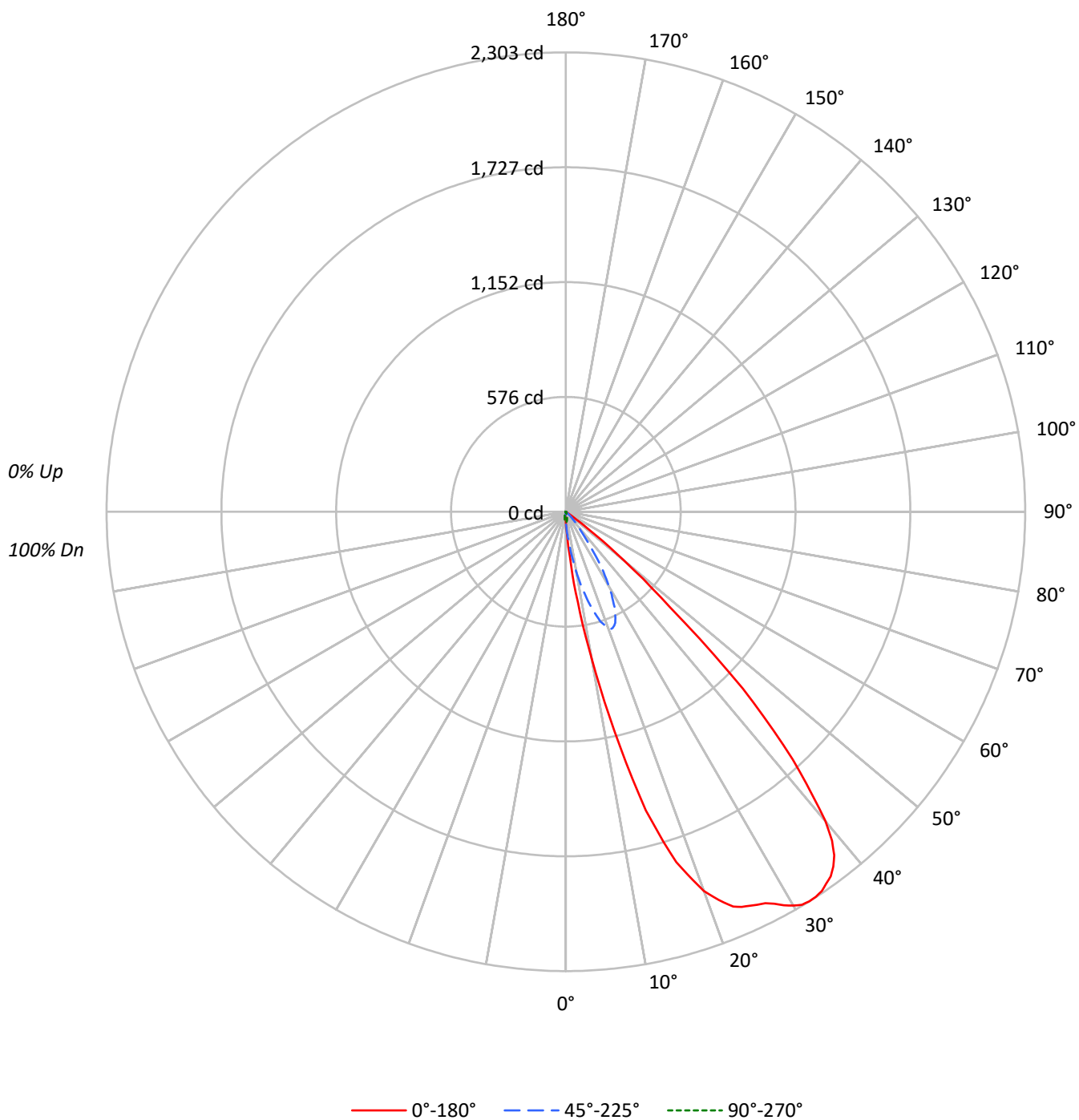
Lumens per Lamp: N/A
Luminaire Lumens: 688.0 lumens
Efficiency: N/A
Efficacy: 62.0 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	113	109	106	104	110	107	105	102	103	101	99		99	98	96		96	95	93	91
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	85	83
3	99	91	86	81	97	90	85	80	87	83	79		85	81	78		82	79	76	75
4	93	84	77	72	91	82	76	72	80	75	71		78	73	70		76	72	69	67
5	86	76	70	64	85	75	69	64	74	68	63		72	67	63		70	66	62	61
6	81	70	63	58	79	69	62	58	68	62	57		66	61	57		65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47		56	51	46		55	50	46	45
9	66	54	47	43	65	54	47	43	53	47	42		52	46	42		51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	39		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	8938	8938	8938	8938	8938
5°	38812	24048	8281	2956	2040
10°	130617	54300	6191	682	227
15°	276415	89060	3869	0	0
20°	370620	113796	1796	0	0
25°	414201	111755	380	0	0
30°	453453	85632	0	0	0
35°	478560	46632	0	0	0
40°	454925	20953	0	0	0
45°	305326	9280	0	0	0
50°	102001	884	0	0	0
55°	5525	0	0	0	0
60°	0	0	241	0	0
65°	0	0	530	0	0
70°	0	352	655	0	0
75°	0	466	865	0	0
80°	0	694	1289	0	0
85°	0	1383	2569	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 305326 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.1	1.6
10°-20°	95.5	13.9
20°-30°	209.5	30.4
30°-40°	242.3	35.2
40°-50°	119.6	17.4
50°-60°	8.9	1.3
60°-70°	0.3	0.0
70°-80°	0.5	0.1
80°-90°	0.5	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°	316.1	45.9
0°-40°	558.3	81.1
0°-60°	686.8	99.8
0°-90°	688.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	688.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	52	52	52	52	52	
5°	224	139	48	17	12	39
15°	1550	500	22	0	0	437
25°	2180	588	2	0	0	1008
35°	2276	222	0	0	0	1405
45°	1254	38	0	0	0	920
55°	18	0	0	0	0	75
65°	0	0	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	0	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°	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
2.5°	103.0	105.7	104.4	104.4	103.7	100.4	94.5	92.5	85.3	67.6	52.5
5°	224.5	225.1	223.2	213.3	204.8	196.9	179.8	172.0	139.1	82.7	47.9
7.5°	455.5	445.7	433.2	419.4	389.2	361.6	325.6	287.5	215.3	95.8	42.7
10°	746.9	733.1	722.6	689.8	635.3	578.9	510.0	447.6	310.5	105.0	35.4
12.5°	1123.0	1115.1	1077.7	1012.1	931.4	850.0	729.9	630.8	406.3	107.0	28.9
15°	1550.3	1537.2	1480.1	1386.9	1277.3	1149.3	988.5	821.8	499.5	101.1	21.7
17.5°	1842.4	1835.2	1785.9	1688.1	1562.1	1399.3	1209.0	1000.9	576.3	88.6	15.1
20°	2022.2	2011.7	1965.8	1883.1	1751.1	1581.2	1355.4	1115.1	620.9	72.9	9.8
21°	2068.8	2058.3	2021.6	1935.6	1809.6	1627.1	1395.4	1142.7	629.4	65.6	7.9
22°	2112.8	2102.3	2063.6	1987.4	1862.7	1672.4	1426.9	1163.7	628.1	59.7	5.9
23°	2149.6	2138.4	2100.3	2030.1	1904.7	1712.4	1450.5	1174.2	619.6	53.8	4.6
24°	2168.6	2162.0	2127.9	2061.6	1938.9	1740.6	1466.9	1178.2	609.1	47.9	3.3
25°	2179.7	2171.9	2138.4	2077.4	1961.2	1763.0	1477.4	1174.9	588.1	42.7	2.0
26°	2191.6	2179.7	2141.7	2082.6	1973.0	1773.5	1478.1	1166.3	565.8	38.1	0.7
27°	2202.1	2190.9	2151.5	2086.5	1975.0	1770.2	1472.9	1149.9	538.9	33.5	0.7
28°	2225.0	2212.6	2167.3	2095.1	1976.9	1761.6	1456.4	1127.6	503.4	29.5	0.0
29°	2255.2	2242.1	2190.2	2115.4	1981.5	1752.5	1434.1	1098.1	472.6	26.3	0.0
30°	2280.2	2268.4	2220.4	2141.0	1993.3	1743.9	1407.9	1058.0	430.6	22.3	0.0
31°	2298.5	2286.7	2242.8	2162.7	2003.8	1736.0	1375.1	1016.7	392.5	19.7	0.0
32°	2303.1	2293.3	2251.9	2171.9	2003.8	1724.2	1344.9	970.1	355.1	16.4	0.0
33°	2301.2	2291.3	2249.3	2165.3	1986.1	1696.0	1308.1	914.3	312.4	14.4	0.0
34°	2293.9	2282.1	2237.5	2144.3	1951.3	1648.1	1254.9	858.5	267.8	11.8	0.0
35°	2276.2	2265.7	2217.2	2104.9	1897.5	1575.2	1184.1	794.2	221.8	9.8	0.0
36°	2259.2	2243.4	2183.7	2056.3	1826.6	1500.4	1099.4	720.0	182.5	7.9	0.0
37°	2227.7	2205.3	2145.0	1986.1	1726.2	1394.7	1002.9	638.6	152.9	5.9	0.0
38°	2185.7	2155.5	2078.7	1904.7	1625.1	1295.6	912.3	565.1	128.6	3.9	0.0
39°	2120.7	2085.2	1980.9	1793.2	1508.3	1180.8	808.6	487.0	109.6	2.6	0.0
40°	2023.5	1990.1	1874.5	1660.6	1392.1	1054.1	702.3	399.1	93.2	1.3	0.0
42.5°	1684.9	1638.9	1505.0	1292.4	1029.2	758.1	464.7	221.8	61.7	0.0	0.0
45°	1253.6	1212.9	1081.7	888.0	685.9	464.0	248.8	130.6	38.1	0.0	0.0
47.5°	708.2	703.6	618.3	510.0	382.7	246.8	126.0	78.8	16.4	0.0	0.0
50°	380.7	357.1	307.8	233.7	159.5	107.6	68.3	43.3	3.3	0.0	0.0
52.5°	139.1	134.6	112.9	93.9	72.2	49.2	34.8	19.0	0.0	0.0	0.0
55°	18.4	17.1	17.7	19.0	19.7	17.1	11.2	3.9	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.7	1.3	1.3	1.3	0.0	0.0	0.0	0.7
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.3



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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	0.0	0.7	1.3	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.3
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°	51.9	51.9	51.9	51.9
2.5°	40.0	30.8	26.3	25.6
5°	27.6	17.1	12.5	11.8
7.5°	19.0	8.5	5.9	5.3
10°	11.2	3.9	2.0	1.3
12.5°	6.6	0.7	0.0	0.0
15°	2.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	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°	0.7	0.0	0.0	0.0
67.5°	0.7	0.0	0.0	0.0
70°	0.7	0.0	0.0	0.0
72.5°	0.7	0.0	0.0	0.0
75°	0.7	0.0	0.0	0.0
77.5°	0.7	0.0	0.0	0.0
80°	0.7	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.7	0.0	0.0	0.0
85°	0.7	0.0	0.0	0.0
87.5°	0.7	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)