

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: P1307869

Luminaire Tested: P3SQAS09R409030DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307869
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-52)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R409030DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

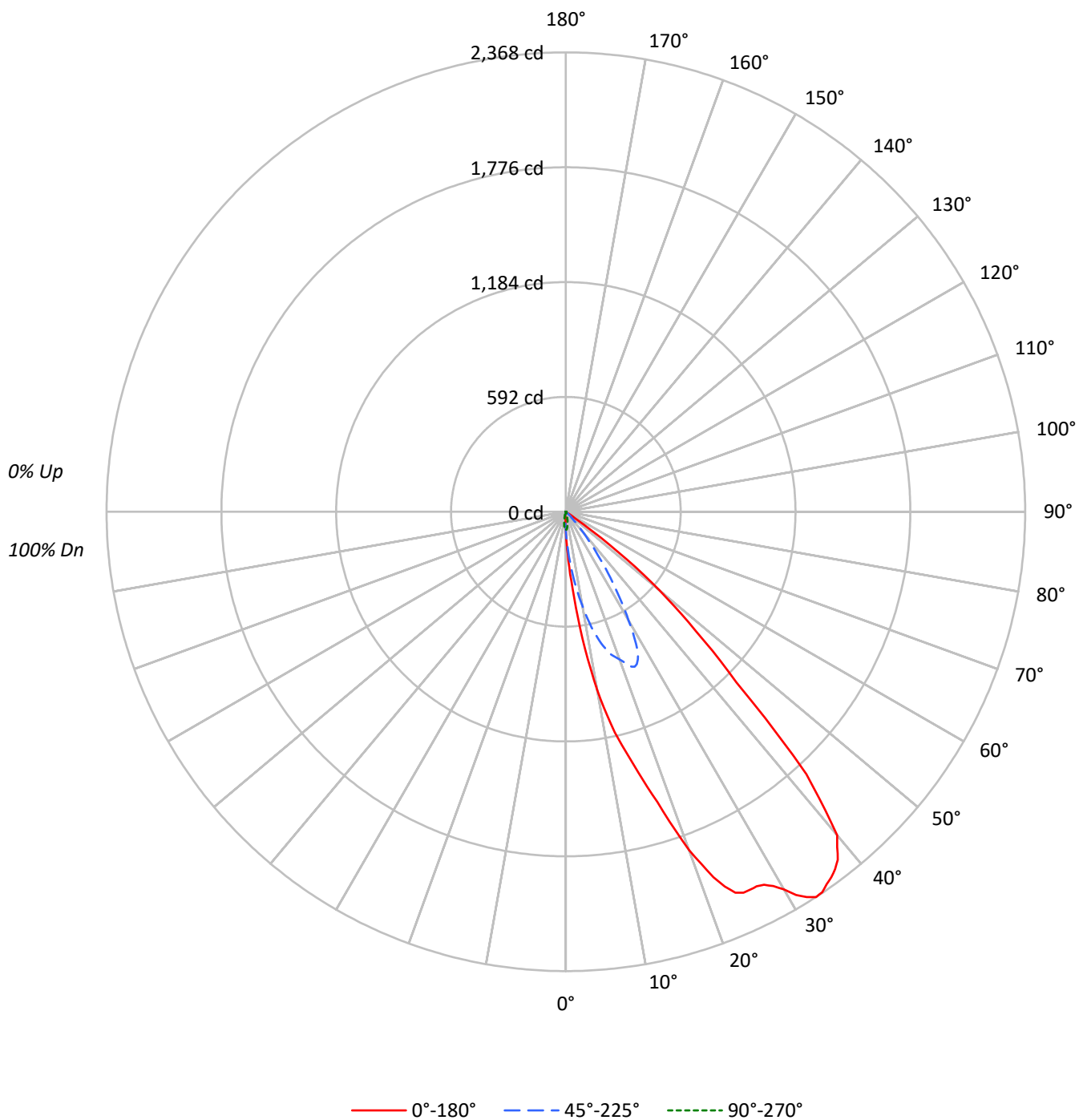
Lumens per Lamp: N/A
Luminaire Lumens: 795.0 lumens
Efficiency: N/A
Efficacy: 71.6 lumens/watt
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	83		
3	99	91	85	80	97	90	84	80	87	82	78	84	81	77	82	79	76	74		
4	92	83	77	72	90	82	76	71	80	74	70	78	73	69	76	72	68	67		
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60		
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49		
8	70	59	51	47	69	58	51	46	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	51	45	42	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°	16017	16017	16017	16017	16017
5°	67977	46332	14055	2524	1262
10°	163372	86163	8709	262	0
15°	240453	125183	3655	0	0
20°	339884	148417	1338	0	0
25°	411674	164734	0	0	0
30°	446990	128865	0	0	0
35°	492877	75436	0	0	0
40°	489187	30621	0	0	0
45°	302964	8914	0	0	0
50°	168689	188	0	0	0
55°	16484	0	0	0	0
60°	0	0	241	0	0
65°	0	0	285	0	0
70°	0	352	755	0	0
75°	0	466	998	0	0
80°	0	694	1488	0	0
85°	0	1383	2964	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 304401 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.4	2.2
10°-20°	102.5	12.9
20°-30°	233.9	29.4
30°-40°	276.2	34.7
40°-50°	147.6	18.6
50°-60°	16.0	2.0
60°-70°	0.3	0.0
70°-80°	0.6	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°	353.8	44.5
0°-40°	630.0	79.2
0°-60°	793.6	99.8
0°-90°	795.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	795.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	93	93	93	93	93	
5°	393	268	81	15	7	55
15°	1349	702	20	0	0	401
25°	2166	867	0	0	0	984
35°	2344	359	0	0	0	1448
45°	1244	37	0	0	0	1026
55°	55	0	0	0	0	154
65°	0	0	1	0	0	0
75°	0	1	2	0	0	0
85°	0	1	2	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°	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
2.5°	216.7	212.3	215.3	209.4	209.4	196.2	196.9	186.0	169.9	129.6	92.3
5°	393.2	410.7	396.8	378.5	368.3	355.1	337.5	319.2	268.0	161.8	81.3
7.5°	658.2	656.7	633.3	613.5	590.8	555.7	522.8	478.1	381.5	185.2	67.4
10°	934.2	929.1	902.7	885.9	842.7	792.2	724.8	653.1	492.7	193.3	49.8
12.5°	1164.1	1157.5	1135.6	1107.0	1059.4	995.7	923.2	828.8	609.9	184.5	32.2
15°	1348.6	1347.2	1325.9	1287.1	1237.3	1175.1	1093.1	979.6	702.1	161.8	20.5
17.5°	1567.5	1576.3	1538.2	1496.5	1424.8	1337.6	1237.3	1107.7	770.2	134.0	13.2
20°	1854.5	1842.1	1806.9	1746.2	1677.4	1572.7	1430.6	1245.4	809.8	104.0	7.3
21°	1942.4	1937.3	1900.7	1844.3	1768.1	1662.0	1515.6	1315.7	828.1	93.0	5.9
22°	2031.7	2022.9	1994.4	1939.5	1867.7	1747.6	1586.6	1388.2	851.5	81.3	3.7
23°	2098.3	2094.7	2072.7	2018.5	1944.6	1828.2	1663.4	1455.5	867.6	70.3	2.2
24°	2149.6	2145.2	2123.2	2082.2	2018.5	1897.0	1741.1	1528.0	874.2	60.8	0.7
25°	2166.4	2168.6	2155.4	2123.2	2069.8	1948.3	1798.9	1585.1	866.9	52.0	0.0
26°	2167.2	2173.8	2164.2	2145.9	2102.0	1989.3	1853.1	1618.8	847.8	43.9	0.0
27°	2167.2	2173.8	2164.2	2150.3	2107.1	2012.7	1882.4	1622.4	818.5	37.3	0.0
28°	2177.4	2181.1	2168.6	2151.8	2104.9	2020.0	1890.4	1600.5	771.7	32.2	0.0
29°	2206.0	2202.3	2181.8	2159.1	2102.7	2020.0	1866.3	1558.7	713.1	27.1	0.0
30°	2247.7	2247.7	2215.5	2179.6	2113.0	2019.3	1827.4	1483.3	648.0	22.0	0.0
31°	2304.1	2299.0	2266.7	2213.3	2134.9	2019.3	1770.3	1399.9	587.9	19.0	0.0
32°	2342.1	2339.2	2308.5	2245.5	2170.8	2019.3	1708.8	1307.6	522.8	15.4	0.0
33°	2368.5	2362.6	2327.5	2262.3	2192.8	2009.0	1640.0	1208.8	464.2	12.4	0.0
34°	2364.8	2363.4	2326.8	2259.4	2188.4	1966.6	1560.2	1099.0	410.0	10.3	0.0
35°	2344.3	2344.3	2299.7	2230.1	2156.9	1904.3	1481.1	1005.2	358.8	7.3	0.0
36°	2329.0	2323.1	2272.6	2195.0	2104.2	1806.2	1364.0	910.8	303.8	5.9	0.0
37°	2306.3	2295.3	2238.9	2155.4	2029.5	1700.1	1241.0	826.6	257.0	3.7	0.0
38°	2277.0	2260.1	2191.3	2109.3	1947.5	1577.8	1115.8	732.1	213.8	2.2	0.0
39°	2223.5	2209.6	2138.6	2050.0	1849.4	1448.9	994.3	643.6	172.8	0.7	0.0
40°	2175.9	2151.8	2071.3	1969.5	1734.5	1303.2	873.5	556.4	136.2	0.0	0.0
42.5°	1834.8	1809.1	1790.8	1689.8	1381.6	935.7	609.9	356.6	71.0	0.0	0.0
45°	1243.9	1249.8	1192.7	1124.6	911.5	609.9	381.5	198.4	36.6	0.0	0.0
47.5°	907.1	891.8	814.2	685.3	534.5	356.6	199.1	95.9	14.6	0.0	0.0
50°	629.6	600.4	530.1	433.4	290.7	169.9	87.9	44.7	0.7	0.0	0.0
52.5°	341.9	321.4	272.4	197.7	120.8	65.2	35.1	18.3	0.0	0.0	0.0
55°	54.9	38.1	39.5	33.7	26.4	19.0	11.0	2.2	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.7	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	0.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	1.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	1.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.5	1.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	1.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.5	1.5



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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	0.7	0.7	1.5	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.5	1.5
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°	93.0	93.0	93.0	93.0
2.5°	62.2	42.5	32.2	27.8
5°	35.9	14.6	8.1	7.3
7.5°	17.6	5.1	2.9	2.9
10°	7.3	1.5	0.0	0.0
12.5°	2.2	0.0	0.0	0.0
15°	0.0	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)