

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: P1305761

Luminaire Tested: P3SQAS09R359024DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305761
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: P3SQAS09R359024DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

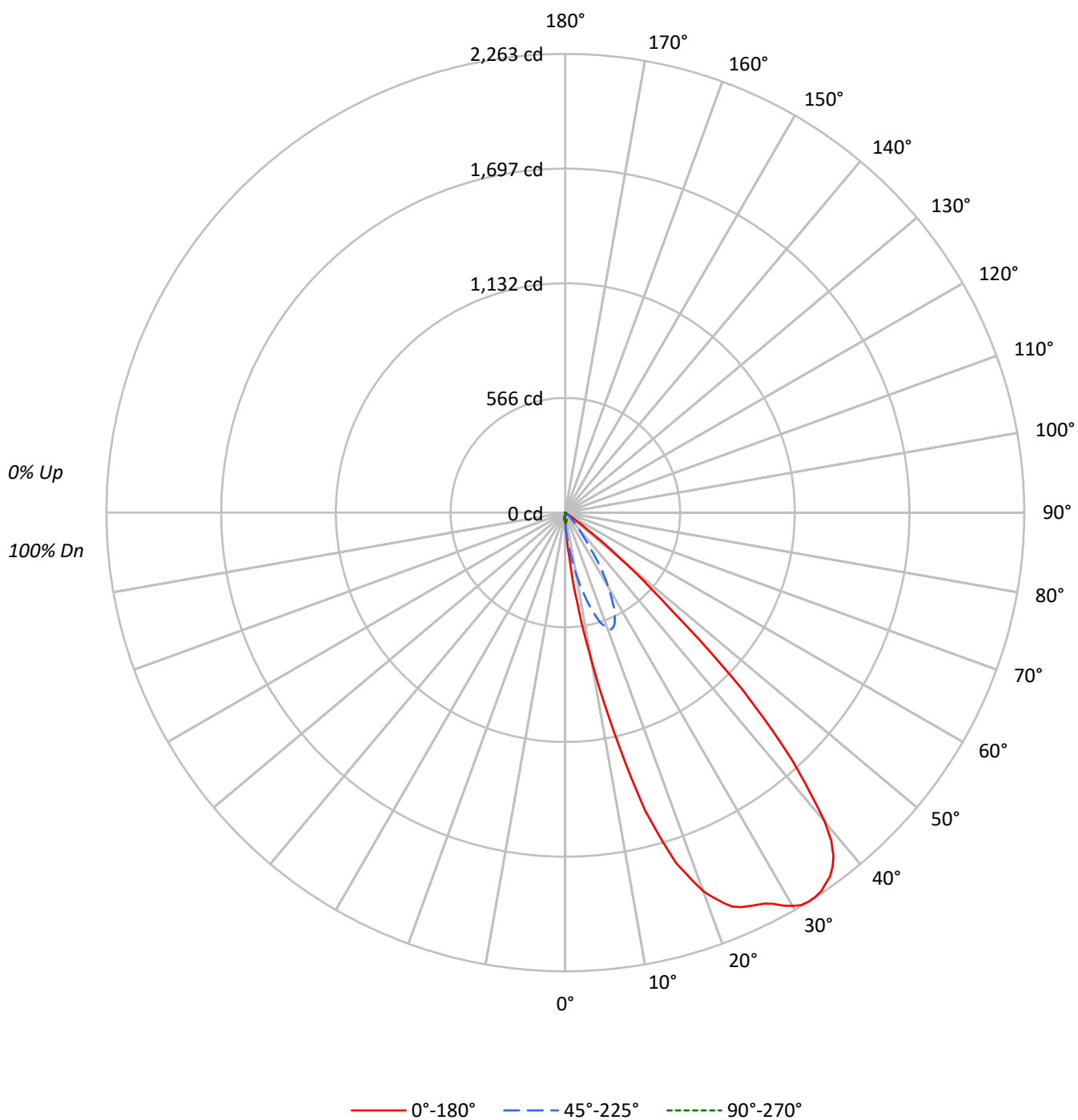
Lumens per Lamp: N/A
Luminaire Lumens: 676.0 lumens
Efficiency: N/A
Efficacy: 60.9 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	113	109	107	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	55	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°	8766	8766	8766	8766	8766
5°	38137	23633	8143	2904	2005
10°	128344	53338	6086	682	227
15°	271601	87509	3798	0	0
20°	364150	111816	1778	0	0
25°	406980	109797	361	0	0
30°	445538	84140	0	0	0
35°	470213	45833	0	0	0
40°	446988	20594	0	0	0
45°	300017	9109	0	0	0
50°	100206	857	0	0	0
55°	5435	0	0	0	0
60°	0	0	207	0	0
65°	0	0	530	0	0
70°	0	302	655	0	0
75°	0	399	865	0	0
80°	0	595	1289	0	0
85°	0	1186	2569	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 300017 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.9	1.6
10°-20°	93.8	13.9
20°-30°	205.8	30.4
30°-40°	238.0	35.2
40°-50°	117.5	17.4
50°-60°	8.7	1.3
60°-70°	0.3	0.0
70°-80°	0.5	0.1
80°-90°	0.4	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°	310.5	45.9
0°-40°	548.6	81.2
0°-60°	674.8	99.8
0°-90°	676.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	676.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	51	51	51	51	51	
5°	221	137	47	17	12	38
15°	1523	491	21	0	0	430
25°	2142	578	2	0	0	990
35°	2236	218	0	0	0	1381
45°	1232	37	0	0	0	904
55°	18	0	0	0	0	74
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°	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
2.5°	101.2	103.8	102.5	102.5	101.9	98.7	92.9	90.9	83.8	66.4	51.6
5°	220.6	221.2	219.3	209.6	201.2	193.5	176.7	169.0	136.7	81.3	47.1
7.5°	447.6	437.9	425.6	412.1	382.4	355.3	319.9	282.5	211.5	94.2	41.9
10°	733.9	720.4	710.0	677.8	624.3	568.8	501.1	439.8	305.0	103.2	34.8
12.5°	1103.4	1095.7	1058.9	994.4	915.1	835.2	717.1	619.8	399.2	105.1	28.4
15°	1523.3	1510.4	1454.3	1362.7	1255.0	1129.2	971.2	807.4	490.8	99.3	21.3
17.5°	1810.2	1803.2	1754.8	1658.7	1534.9	1374.9	1187.9	983.5	566.2	87.1	14.8
20°	1986.9	1976.6	1931.5	1850.2	1720.6	1553.6	1331.7	1095.7	610.1	71.6	9.7
21°	2032.7	2022.4	1986.3	1901.8	1778.0	1598.7	1371.1	1122.8	618.5	64.5	7.7
22°	2075.9	2065.6	2027.6	1952.8	1830.2	1643.2	1402.0	1143.4	617.2	58.7	5.8
23°	2112.1	2101.1	2063.7	1994.7	1871.5	1682.6	1425.2	1153.7	608.8	52.9	4.5
24°	2130.8	2124.3	2090.8	2025.6	1905.0	1710.3	1441.4	1157.6	598.5	47.1	3.2
25°	2141.7	2134.0	2101.1	2041.1	1927.0	1732.2	1451.7	1154.4	577.8	41.9	1.9
26°	2153.3	2141.7	2104.3	2046.3	1938.6	1742.5	1452.3	1146.0	555.9	37.4	0.6
27°	2163.7	2152.7	2114.0	2050.1	1940.5	1739.3	1447.2	1129.9	529.5	32.9	0.6
28°	2186.2	2174.0	2129.5	2058.5	1942.4	1730.9	1431.0	1107.9	494.6	29.0	0.0
29°	2215.9	2203.0	2152.0	2078.5	1947.0	1721.9	1409.1	1078.9	464.3	25.8	0.0
30°	2240.4	2228.8	2181.7	2103.7	1958.6	1713.5	1383.3	1039.6	423.1	21.9	0.0
31°	2258.5	2246.8	2203.6	2125.0	1968.9	1705.8	1351.1	999.0	385.7	19.3	0.0
32°	2263.0	2253.3	2212.7	2134.0	1968.9	1694.2	1321.4	953.2	348.9	16.1	0.0
33°	2261.0	2251.4	2210.1	2127.5	1951.5	1666.4	1285.3	898.4	307.0	14.2	0.0
34°	2253.9	2242.3	2198.5	2106.9	1917.3	1619.4	1233.1	843.5	263.1	11.6	0.0
35°	2236.5	2226.2	2178.5	2068.2	1864.4	1547.8	1163.4	780.3	218.0	9.7	0.0
36°	2219.8	2204.3	2145.6	2020.5	1794.8	1474.2	1080.2	707.5	179.3	7.7	0.0
37°	2188.8	2166.9	2107.5	1951.5	1696.1	1370.4	985.4	627.5	150.3	5.8	0.0
38°	2147.5	2117.9	2042.4	1871.5	1596.8	1273.0	896.4	555.3	126.4	3.9	0.0
39°	2083.7	2048.9	1946.3	1761.9	1482.0	1160.2	794.5	478.5	107.7	2.6	0.0
40°	1988.2	1955.3	1841.8	1631.6	1367.8	1035.7	690.0	392.1	91.6	1.3	0.0
42.5°	1655.5	1610.3	1478.8	1269.8	1011.2	744.9	456.6	218.0	60.6	0.0	0.0
45°	1231.8	1191.8	1062.8	872.6	673.9	455.9	244.4	128.3	37.4	0.0	0.0
47.5°	695.9	691.3	607.5	501.1	376.0	242.5	123.8	77.4	16.1	0.0	0.0
50°	374.0	350.8	302.5	229.6	156.7	105.8	67.1	42.6	3.2	0.0	0.0
52.5°	136.7	132.2	110.9	92.2	70.9	48.4	34.2	18.7	0.0	0.0	0.0
55°	18.1	16.8	17.4	18.7	19.3	16.8	11.0	3.9	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.6	1.3	1.3	1.3	0.0	0.0	0.0	0.6
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	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	0.6	1.3	1.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.3	1.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.3	1.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.3	1.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	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	0.6	1.3	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.3	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	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°	50.9	50.9	50.9	50.9
2.5°	39.3	30.3	25.8	25.2
5°	27.1	16.8	12.3	11.6
7.5°	18.7	8.4	5.8	5.2
10°	11.0	3.9	1.9	1.3
12.5°	6.4	0.6	0.0	0.0
15°	1.9	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°	0.6	0.0	0.0	0.0
67.5°	0.6	0.0	0.0	0.0
70°	0.6	0.0	0.0	0.0
72.5°	0.6	0.0	0.0	0.0
75°	0.6	0.0	0.0	0.0
77.5°	0.6	0.0	0.0	0.0
80°	0.6	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.6	0.0	0.0	0.0
85°	0.6	0.0	0.0	0.0
87.5°	0.6	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)