

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: P1316821

Luminaire Tested: P3SQAS05R309830DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316821
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R309830DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

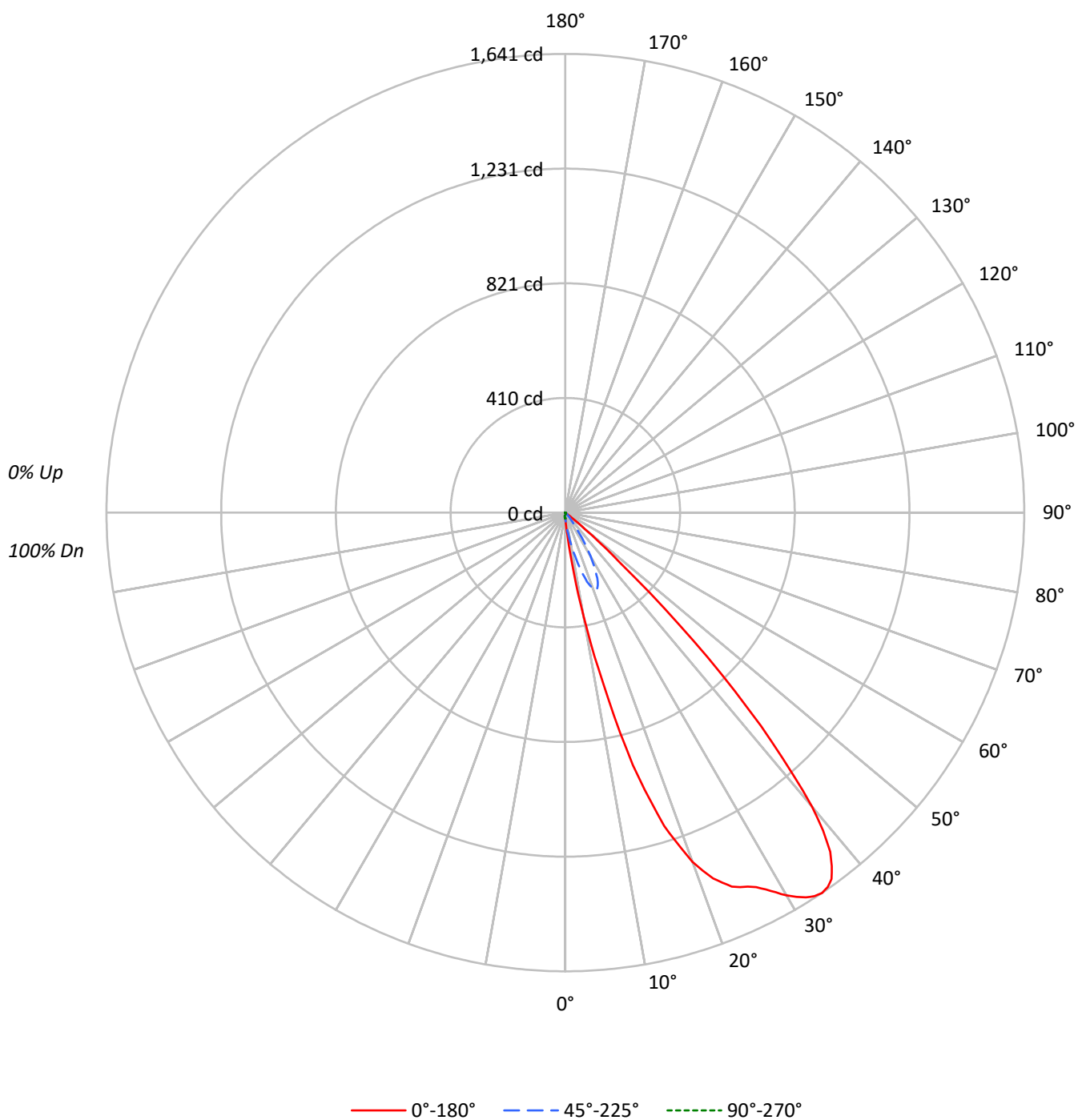
Lumens per Lamp: N/A
Luminaire Lumens: 395.0 lumens
Efficiency: N/A
Efficacy: 54.9 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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				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	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	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92			
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83			
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75			
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	69	68			
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61			
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55			
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50			
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45			
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41			
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3634	3634	3634	3634	3634
5°	13208	8195	3337	1348	968
10°	65352	19639	2588	262	0
15°	166691	37407	1658	0	0
20°	243555	53187	678	0	0
25°	280992	52200	133	0	0
30°	314466	35836	0	0	0
35°	343919	15432	0	0	0
40°	308679	6003	0	0	0
45°	157632	2436	0	0	0
50°	24328	295	0	0	0
55°	1441	0	120	0	0
60°	0	0	138	0	0
65°	0	0	285	0	0
70°	0	201	352	0	0
75°	0	266	732	0	0
80°	0	397	1091	0	0
85°	0	790	2174	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 157632 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.4	1.1
10°-20°	52.6	13.3
20°-30°	130.1	32.9
30°-40°	149.6	37.9
40°-50°	55.5	14.0
50°-60°	2.0	0.5
60°-70°	0.2	0.0
70°-80°	0.3	0.1
80°-90°	0.3	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°	187.1	47.4
0°-40°	336.7	85.2
0°-60°	394.2	99.8
0°-90°	395.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	395.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	21	21	21	21	21	
5°	76	47	19	8	6	17
15°	935	210	9	0	0	269
25°	1479	275	1	0	0	683
35°	1636	73	0	0	0	992
45°	647	10	0	0	0	504
55°	5	0	0	0	0	17
65°	0	0	1	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
2.5°	37.4	37.8	37.8	36.7	36.3	36.0	34.8	31.5	26.3	21.1	17.1
5°	76.4	76.7	76.7	74.5	70.1	65.6	61.9	47.4	30.4	19.3	12.6
7.5°	180.2	180.5	172.7	163.8	146.1	136.8	119.7	73.0	34.5	17.4	8.2
10°	373.7	365.5	345.1	319.2	291.7	256.1	220.2	112.3	37.4	14.8	5.2
12.5°	624.6	616.8	590.5	553.4	499.7	430.0	361.8	157.9	37.8	11.9	3.0
15°	934.9	913.0	881.5	820.0	740.6	632.8	520.1	209.8	36.3	9.3	0.7
17.5°	1175.4	1155.4	1115.4	1043.5	944.9	825.1	686.9	259.1	32.2	5.9	0.0
20°	1328.9	1307.8	1270.3	1207.0	1102.0	961.6	803.3	290.2	26.7	3.7	0.0
21°	1372.7	1352.3	1315.6	1252.5	1148.0	1007.9	831.8	296.9	24.1	3.0	0.0
22°	1411.2	1395.3	1361.2	1292.6	1186.2	1042.0	860.7	297.7	22.2	2.2	0.0
23°	1438.3	1426.8	1392.7	1329.7	1223.6	1069.8	876.3	293.2	20.0	1.5	0.0
24°	1464.2	1450.1	1420.8	1362.3	1253.3	1093.2	890.4	285.1	17.8	1.1	0.0
25°	1478.7	1462.4	1439.7	1384.9	1277.8	1108.0	898.9	274.7	15.6	0.7	0.0
26°	1488.7	1476.1	1451.2	1398.2	1288.1	1117.6	900.0	259.5	14.1	0.4	0.0
27°	1503.9	1491.3	1467.2	1410.1	1292.6	1116.1	893.4	242.1	12.2	0.0	0.0
28°	1526.9	1510.2	1486.1	1422.7	1294.4	1109.8	878.5	223.2	10.4	0.0	0.0
29°	1553.2	1536.1	1509.8	1439.4	1294.8	1097.2	855.2	202.4	9.3	0.0	0.0
30°	1581.3	1566.5	1539.8	1455.7	1298.9	1080.9	828.1	180.2	7.4	0.0	0.0
31°	1603.6	1590.2	1561.7	1470.5	1302.2	1066.8	794.8	157.9	6.3	0.0	0.0
32°	1622.9	1611.0	1575.8	1473.8	1295.5	1046.8	759.2	136.4	5.2	0.0	0.0
33°	1636.2	1621.4	1580.2	1465.3	1276.3	1013.8	719.5	116.0	4.1	0.0	0.0
34°	1641.0	1623.2	1573.6	1443.1	1237.3	963.8	668.0	94.9	3.3	0.0	0.0
35°	1635.8	1614.0	1549.5	1404.9	1184.7	904.1	606.1	73.4	2.6	0.0	0.0
36°	1619.2	1591.4	1515.0	1350.4	1109.5	833.7	544.2	57.1	1.9	0.0	0.0
37°	1583.2	1552.4	1456.1	1278.5	1035.0	752.9	473.7	44.5	1.1	0.0	0.0
38°	1539.1	1494.6	1377.5	1187.7	938.6	662.0	404.0	36.7	0.7	0.0	0.0
39°	1463.8	1414.9	1284.1	1083.1	844.1	575.7	336.2	31.9	0.4	0.0	0.0
40°	1373.0	1314.8	1177.3	971.2	732.5	485.2	280.6	26.7	0.4	0.0	0.0
42.5°	1035.7	986.4	838.5	660.6	447.8	286.2	155.7	17.4	0.0	0.0	0.0
45°	647.2	595.7	495.6	362.2	242.4	148.3	74.9	10.0	0.0	0.0	0.0
47.5°	264.3	242.4	199.4	153.5	109.7	69.7	31.1	4.4	0.0	0.0	0.0
50°	90.8	80.8	67.8	49.7	35.2	24.1	16.3	1.1	0.0	0.0	0.0
52.5°	26.3	26.7	23.4	20.0	15.6	11.1	8.2	0.0	0.0	0.0	0.0
55°	4.8	4.1	4.8	4.4	4.8	4.1	3.0	0.0	0.0	0.4	0.0
57.5°	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	0.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	0.7	0.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	0.7	0.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	1.1	0.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	1.1	0.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	1.1	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	1.1	0.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	1.1	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	1.1	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	1.1	0.4
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):

	135°	157.5°	180°
0°	21.1	21.1	21.1
2.5°	13.7	12.2	11.5
5°	7.8	5.9	5.6
7.5°	4.1	2.6	2.2
10°	1.5	0.4	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)