

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: P1316108

Luminaire Tested: P3SQAS09R359827DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316108
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: P3SQAS09R359827DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

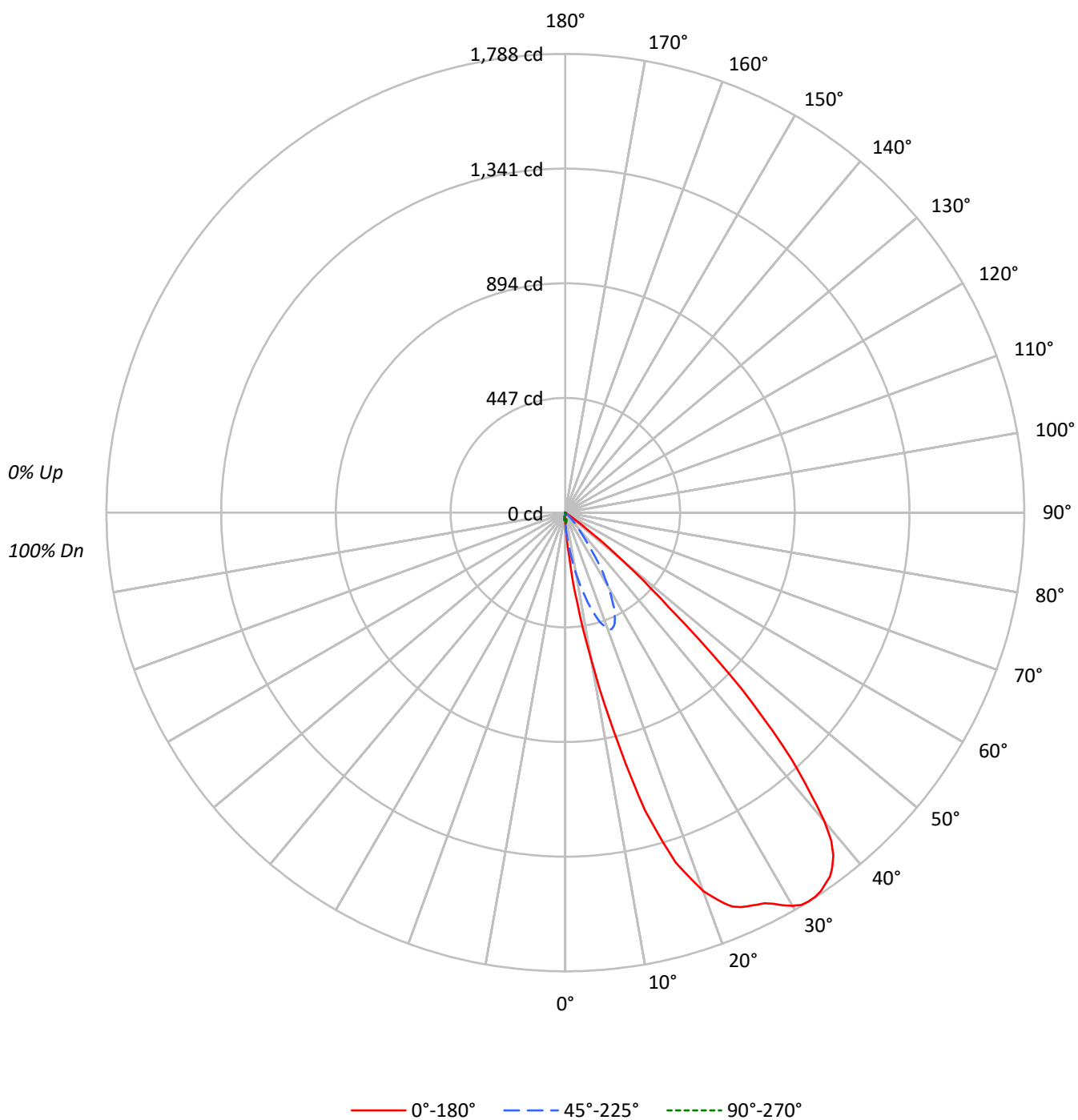
Lumens per Lamp: N/A
Luminaire Lumens: 534.0 lumens
Efficiency: N/A
Efficacy: 48.5 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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°	6923	6923	6923	6923	6923
5°	30116	18671	6431	2282	1591
10°	101378	42146	4809	542	175
15°	214546	69126	2995	0	0
20°	287669	88320	1393	0	0
25°	321487	86747	285	0	0
30°	351952	66461	0	0	0
35°	371440	36204	0	0	0
40°	353103	16255	0	0	0
45°	236983	7185	0	0	0
50°	79174	670	0	0	0
55°	4294	0	0	0	0
60°	0	0	172	0	0
65°	0	0	408	0	0
70°	0	252	504	0	0
75°	0	333	665	0	0
80°	0	496	992	0	0
85°	0	988	1976	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 236983 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.6	1.6
10°-20°	74.1	13.9
20°-30°	162.6	30.4
30°-40°	188.0	35.2
40°-50°	92.8	17.4
50°-60°	6.9	1.3
60°-70°	0.2	0.0
70°-80°	0.4	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°	245.3	45.9
0°-40°	433.3	81.2
0°-60°	533.0	99.8
0°-90°	534.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	534.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	40	40	40	40	40	
5°	174	108	37	13	9	30
15°	1203	388	17	0	0	340
25°	1692	456	2	0	0	782
35°	1767	172	0	0	0	1091
45°	973	30	0	0	0	714
55°	14	0	0	0	0	58
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°	35°	45°	67.5°	90°
0°	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
2.5°	80.0	82.0	81.0	81.0	80.5	77.9	73.4	71.8	66.2	52.5	40.8
5°	174.2	174.7	173.2	165.6	158.9	152.8	139.6	133.5	108.0	64.2	37.2
7.5°	353.5	345.9	336.2	325.5	302.1	280.7	252.7	223.1	167.1	74.4	33.1
10°	579.7	569.0	560.9	535.4	493.1	449.3	395.8	347.4	241.0	81.5	27.5
12.5°	871.6	865.5	836.5	785.5	722.9	659.7	566.5	489.6	315.3	83.0	22.4
15°	1203.3	1193.1	1148.8	1076.4	991.4	892.0	767.2	637.8	387.7	78.5	16.8
17.5°	1430.0	1424.4	1386.2	1310.3	1212.5	1086.1	938.4	776.9	447.3	68.8	11.7
20°	1569.6	1561.4	1525.8	1461.6	1359.2	1227.2	1052.0	865.5	481.9	56.5	7.6
21°	1605.7	1597.6	1569.1	1502.3	1404.5	1262.9	1083.1	886.9	488.5	50.9	6.1
22°	1639.9	1631.7	1601.7	1542.6	1445.8	1298.0	1107.5	903.2	487.5	46.4	4.6
23°	1668.4	1659.7	1630.2	1575.7	1478.4	1329.1	1125.9	911.4	480.9	41.8	3.6
24°	1683.2	1678.1	1651.6	1600.1	1504.9	1351.0	1138.6	914.4	472.8	37.2	2.5
25°	1691.8	1685.7	1659.7	1612.4	1522.2	1368.3	1146.7	911.9	456.5	33.1	1.5
26°	1701.0	1691.8	1662.3	1616.4	1531.4	1376.5	1147.2	905.3	439.1	29.5	0.5
27°	1709.2	1700.5	1669.9	1619.5	1532.9	1373.9	1143.2	892.5	418.2	26.0	0.5
28°	1727.0	1717.3	1682.2	1626.1	1534.4	1367.3	1130.4	875.2	390.7	22.9	0.0
29°	1750.4	1740.2	1700.0	1641.9	1538.0	1360.2	1113.1	852.3	366.8	20.4	0.0
30°	1769.8	1760.6	1723.4	1661.8	1547.2	1353.6	1092.7	821.2	334.2	17.3	0.0
31°	1784.0	1774.9	1740.7	1678.6	1555.3	1347.5	1067.3	789.1	304.6	15.3	0.0
32°	1787.6	1780.0	1747.9	1685.7	1555.3	1338.3	1043.8	752.9	275.6	12.7	0.0
33°	1786.1	1778.4	1745.8	1680.6	1541.6	1316.4	1015.3	709.6	242.5	11.2	0.0
34°	1780.5	1771.3	1736.7	1664.3	1514.6	1279.2	974.0	666.3	207.8	9.2	0.0
35°	1766.7	1758.6	1720.9	1633.8	1472.8	1222.6	919.0	616.4	172.2	7.6	0.0
36°	1753.5	1741.3	1694.9	1596.1	1417.8	1164.6	853.3	558.9	141.6	6.1	0.0
37°	1729.0	1711.7	1664.8	1541.6	1339.8	1082.6	778.4	495.7	118.7	4.6	0.0
38°	1696.4	1673.0	1613.4	1478.4	1261.4	1005.6	708.1	438.6	99.8	3.1	0.0
39°	1646.0	1618.5	1537.5	1391.8	1170.7	916.5	627.6	378.0	85.1	2.0	0.0
40°	1570.6	1544.6	1454.9	1288.9	1080.5	818.2	545.1	309.7	72.3	1.0	0.0
42.5°	1307.7	1272.1	1168.1	1003.1	798.8	588.4	360.7	172.2	47.9	0.0	0.0
45°	973.0	941.4	839.5	689.3	532.4	360.2	193.1	101.4	29.5	0.0	0.0
47.5°	549.7	546.1	479.9	395.8	297.0	191.5	97.8	61.1	12.7	0.0	0.0
50°	295.5	277.1	238.9	181.4	123.8	83.5	53.0	33.6	2.5	0.0	0.0
52.5°	108.0	104.4	87.6	72.8	56.0	38.2	27.0	14.8	0.0	0.0	0.0
55°	14.3	13.2	13.8	14.8	15.3	13.2	8.7	3.1	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.5	1.0	1.0	1.0	0.0	0.0	0.0	0.5
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0



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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	0.5	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0
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°	40.2	40.2	40.2	40.2
2.5°	31.1	23.9	20.4	19.9
5°	21.4	13.2	9.7	9.2
7.5°	14.8	6.6	4.6	4.1
10°	8.7	3.1	1.5	1.0
12.5°	5.1	0.5	0.0	0.0
15°	1.5	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°	0.5	0.0	0.0	0.0
67.5°	0.5	0.0	0.0	0.0
70°	0.5	0.0	0.0	0.0
72.5°	0.5	0.0	0.0	0.0
75°	0.5	0.0	0.0	0.0
77.5°	0.5	0.0	0.0	0.0
80°	0.5	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.5	0.0	0.0	0.0
85°	0.5	0.0	0.0	0.0
87.5°	0.5	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)