

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: P1313458

Luminaire Tested: P3SQAS13R509730DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313458
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-53)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R509730DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

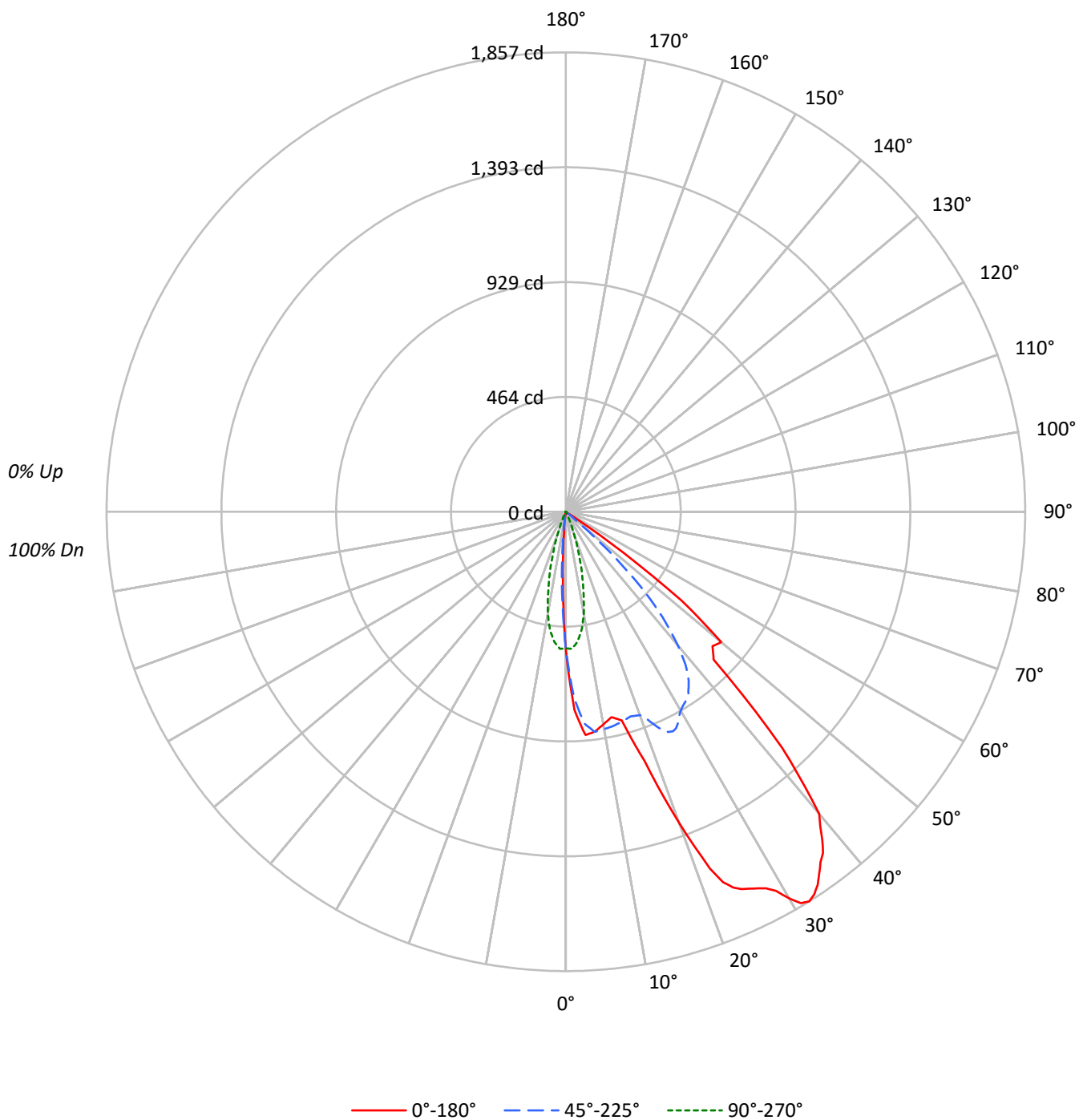
Lumens per Lamp: N/A
Luminaire Lumens: 889.0 lumens
Efficiency: N/A
Efficacy: 60.9 lumens/watt
Spacing Criteria (0/90/45): 1.8 / 0.48 / 1.24
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	97	96	96	94	93	91		
2	105	99	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82		
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	74		
4	92	83	76	71	90	81	75	70	79	74	70	77	72	69	75	71	68	66		
5	86	76	68	63	84	75	68	63	73	67	62	71	66	62	69	65	61	59		
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54		
7	75	64	56	51	73	63	56	51	61	55	51	60	55	50	59	54	50	48		
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44		
9	66	54	47	42	64	54	47	42	53	46	42	52	46	42	51	45	42	40		
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	95067	95067	95067	95067	95067
5°	156630	148643	91350	27142	13571
10°	152652	155992	73205	1364	1836
15°	155636	156563	43843	1391	464
20°	245314	160293	18053	0	0
25°	319796	186739	4314	0	0
30°	358952	184686	179	0	0
35°	375645	181862	0	0	0
40°	358364	158004	0	0	0
45°	205784	104268	0	0	0
50°	219623	11923	0	0	0
55°	62574	0	0	0	0
60°	0	0	310	0	0
65°	0	367	367	0	0
70°	0	453	453	0	0
75°	0	599	599	0	0
80°	0	893	1686	893	0
85°	0	1778	3359	1778	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°

Vertical Angle: 45°

Luminance: 227241 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.4	5.2
10°-20°	116.8	13.1
20°-30°	224.3	25.2
30°-40°	261.1	29.4
40°-50°	186.9	21.0
50°-60°	52.0	5.9
60°-70°	0.4	0.0
70°-80°	0.5	0.1
80°-90°	0.6	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°	387.5	43.6
0°-40°	648.6	73.0
0°-60°	887.5	99.8
0°-90°	889.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	889.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	552	552	552	552	552	
5°	906	860	528	157	78	83
15°	873	878	246	8	3	282
25°	1683	983	23	0	0	765
35°	1787	865	0	0	0	1105
45°	845	428	0	0	0	795
55°	208	0	0	0	0	262
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	2	1	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°	552.0	552.0	552.0	552.0	552.0	552.0	552.0	552.0	552.0	552.0	552.0
2.5°	802.2	806.6	807.5	797.0	798.7	783.9	784.8	774.3	749.0	661.0	554.6
5°	906.0	903.4	906.0	902.5	906.0	897.3	892.0	887.7	859.8	735.1	528.4
7.5°	896.4	892.9	898.1	899.9	906.0	903.4	904.2	906.9	897.3	775.2	483.9
10°	872.9	872.0	874.6	874.6	881.6	882.4	885.9	891.2	892.0	789.1	418.6
12.5°	850.2	847.6	847.6	846.7	850.2	849.3	858.0	870.2	886.8	780.4	328.7
15°	872.9	870.2	866.7	857.2	850.2	842.3	843.2	851.1	878.1	757.8	245.9
17.5°	1056.0	1042.0	1024.6	994.1	961.8	906.0	872.9	851.9	867.6	722.9	163.9
20°	1338.5	1332.4	1304.5	1254.8	1202.5	1120.5	1018.5	936.5	874.6	679.3	98.5
21°	1445.7	1442.3	1412.6	1366.4	1307.1	1207.7	1103.1	1004.5	888.5	661.0	77.6
22°	1555.6	1542.5	1519.0	1467.5	1405.6	1306.2	1189.4	1080.4	916.5	637.4	59.3
23°	1626.2	1618.4	1593.1	1552.1	1492.8	1396.0	1276.6	1158.0	943.5	611.3	44.5
24°	1662.9	1660.3	1640.2	1611.4	1560.8	1462.3	1349.0	1226.9	966.2	580.7	32.3
25°	1682.9	1674.2	1662.0	1641.1	1602.7	1517.2	1416.1	1287.0	982.7	550.2	22.7
26°	1695.1	1689.9	1670.7	1652.4	1615.8	1546.0	1459.7	1323.7	987.1	512.7	15.7
27°	1709.1	1696.9	1678.6	1656.8	1615.8	1554.7	1476.3	1339.4	981.9	474.4	10.5
28°	1723.9	1715.2	1689.9	1662.0	1613.2	1554.7	1470.2	1318.4	966.2	437.7	6.1
29°	1752.7	1741.3	1710.0	1669.0	1614.0	1553.0	1446.6	1274.8	945.2	396.8	3.5
30°	1805.0	1781.5	1743.1	1685.5	1620.1	1549.5	1407.4	1209.4	928.7	350.5	0.9
31°	1846.0	1832.9	1788.4	1716.1	1637.6	1539.9	1361.2	1144.9	917.3	310.4	0.0
32°	1857.3	1847.7	1815.5	1747.5	1667.2	1532.1	1308.8	1082.1	908.6	266.0	0.0
33°	1844.2	1838.1	1804.1	1742.2	1675.1	1521.6	1248.7	1020.2	899.0	225.8	0.0
34°	1819.8	1812.0	1782.3	1719.5	1655.0	1476.3	1191.1	973.1	885.1	188.3	0.0
35°	1786.7	1780.6	1750.1	1688.2	1618.4	1405.6	1133.6	941.7	865.0	150.9	0.0
36°	1750.9	1749.2	1710.0	1648.9	1571.3	1337.6	1063.8	918.2	844.9	119.5	0.0
37°	1727.4	1718.7	1675.9	1615.8	1515.5	1258.3	1008.0	910.3	817.0	92.4	0.0
38°	1684.7	1686.4	1637.6	1582.6	1458.8	1189.4	962.7	904.2	785.7	67.1	0.0
39°	1634.1	1635.0	1584.4	1537.3	1391.7	1117.0	925.2	898.1	746.4	42.7	0.0
40°	1594.0	1593.1	1535.6	1485.0	1319.3	1049.0	905.1	889.4	702.8	24.4	0.0
42.5°	1295.8	1301.0	1308.0	1328.9	1149.3	929.5	885.9	840.6	579.0	0.0	0.0
45°	844.9	865.0	870.2	933.0	932.1	880.7	840.6	753.4	428.1	0.0	0.0
47.5°	804.0	810.1	821.4	845.8	858.9	833.6	751.6	629.6	233.7	0.0	0.0
50°	819.7	818.8	821.4	821.4	797.9	732.5	616.5	464.8	44.5	0.0	0.0
52.5°	588.6	610.4	633.9	644.4	613.9	545.0	449.9	272.9	0.0	0.0	0.0
55°	208.4	201.4	196.2	214.5	210.1	236.3	195.3	63.7	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.9	3.5	7.8	10.5	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	1.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	1.7



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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	0.9	0.9	0.9	1.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	1.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.7
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°	552.0	552.0	552.0	552.0
2.5°	442.1	339.2	274.7	279.0
5°	310.4	157.0	96.8	78.5
7.5°	185.7	48.0	9.6	7.8
10°	87.2	7.8	8.7	10.5
12.5°	26.2	7.0	9.6	8.7
15°	7.0	7.8	4.4	2.6
17.5°	2.6	3.5	0.0	0.0
20°	1.7	0.0	0.0	0.0
21°	1.7	0.0	0.0	0.0
22°	0.9	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°	0.9	0.0	0.0	0.0
67.5°	0.9	0.0	0.0	0.0
70°	0.9	0.0	0.0	0.0
72.5°	0.9	0.0	0.0	0.0
75°	0.9	0.0	0.0	0.0
77.5°	0.9	0.0	0.0	0.0
80°	0.9	0.9	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.9	0.9	0.0	0.0
85°	0.9	0.9	0.0	0.0
87.5°	0.9	0.9	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)