

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: P1313613

Luminaire Tested: P3SQAS17R559730DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313613
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R559730DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

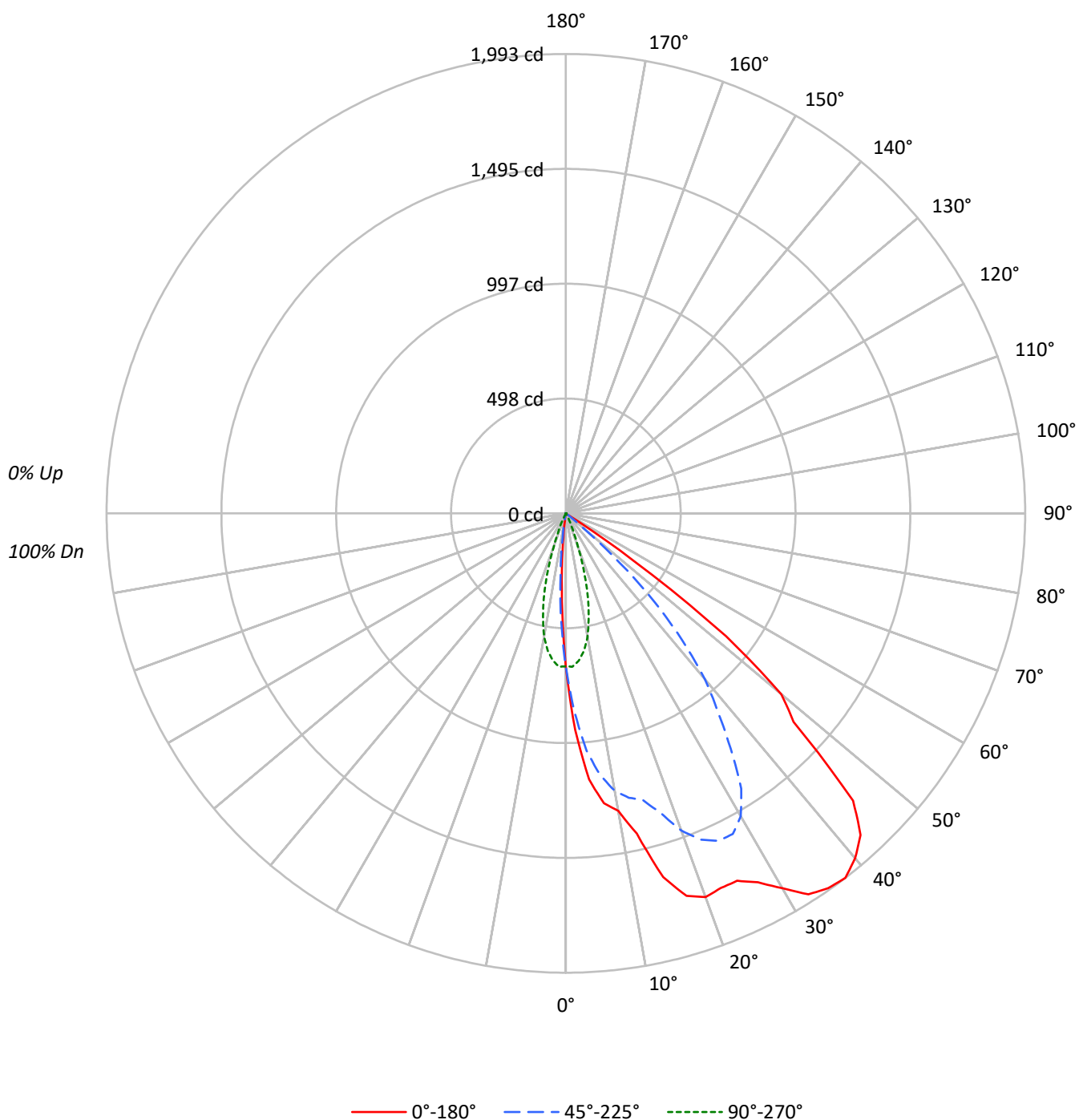
Lumens per Lamp: N/A
Luminaire Lumens: 1228.1 lumens
Efficiency: N/A
Efficacy: 57.9 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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
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	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82		
3	98	90	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73		
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66		
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59		
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	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°	114287	114287	114287	114287	114287
5°	200299	178551	110920	46090	26537
10°	229267	213720	94855	5054	1819
15°	291357	229416	65025	1034	624
20°	324654	268389	28554	0	0
25°	334200	297810	8114	0	0
30°	373390	301779	1153	0	0
35°	417315	262028	0	0	0
40°	438985	210927	0	0	0
45°	429201	133227	0	0	0
50°	326822	27222	0	0	0
55°	107073	0	0	0	0
60°	0	0	0	0	0
65°	0	489	489	0	0
70°	0	604	604	0	0
75°	0	799	799	0	0
80°	0	1190	2281	1190	0
85°	0	2371	2371	2371	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 429201 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.6	4.9
10°-20°	177.7	14.5
20°-30°	289.0	23.5
30°-40°	343.4	28.0
40°-50°	280.8	22.9
50°-60°	74.4	6.1
60°-70°	0.5	0.0
70°-80°	0.8	0.1
80°-90°	0.9	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°	527.3	42.9
0°-40°	870.7	70.9
0°-60°	1225.9	99.8
0°-90°	1228.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1228.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	664	664	664	664	664	
5°	1159	1033	642	267	154	114
15°	1634	1287	365	6	4	457
25°	1759	1567	43	0	0	828
35°	1985	1246	0	0	0	1234
45°	1762	547	0	0	0	1265
55°	357	0	0	0	0	401
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	663.6	663.6	663.6	663.6	663.6	663.6	663.6	663.6	663.6	663.6	663.6
2.5°	941.7	934.8	935.9	932.4	935.9	920.9	904.7	889.7	878.2	862.0	764.0
5°	1158.6	1147.1	1143.6	1139.0	1134.4	1115.9	1100.9	1082.5	1060.5	1032.8	852.8
7.5°	1268.3	1259.0	1254.4	1256.7	1246.3	1239.4	1219.8	1199.0	1175.9	1145.9	919.7
10°	1311.0	1301.7	1300.6	1299.4	1298.3	1293.6	1284.4	1266.0	1245.2	1222.1	957.8
12.5°	1422.9	1402.1	1388.3	1372.1	1352.5	1327.1	1306.3	1290.2	1282.1	1263.6	975.1
15°	1634.1	1614.5	1599.5	1578.7	1541.8	1487.5	1437.9	1374.4	1319.0	1286.7	968.2
17.5°	1740.3	1731.0	1718.3	1704.5	1679.1	1639.9	1589.1	1522.1	1451.7	1360.6	934.8
20°	1771.4	1766.8	1757.6	1751.8	1734.5	1706.8	1672.2	1620.2	1554.5	1464.4	882.8
22.5°	1758.7	1762.2	1766.8	1781.8	1784.1	1764.5	1732.2	1682.6	1615.6	1532.5	803.2
25°	1758.7	1756.4	1756.4	1787.6	1807.2	1798.0	1774.9	1729.9	1661.8	1567.2	705.1
27.5°	1803.7	1789.9	1761.0	1793.3	1825.6	1822.2	1801.4	1748.3	1672.2	1568.3	585.1
30°	1877.6	1847.6	1800.3	1830.3	1860.3	1847.6	1814.1	1746.0	1649.1	1517.5	438.5
32.5°	1959.5	1945.7	1921.4	1941.1	1936.4	1885.7	1825.6	1731.0	1601.8	1416.0	295.4
35°	1984.9	1987.2	1971.1	1967.6	1941.1	1889.1	1825.6	1688.3	1502.5	1246.3	175.4
37.5°	1993.0	1994.1	1968.7	1936.4	1897.2	1836.0	1759.9	1600.6	1319.0	1082.5	93.5
40°	1952.6	1951.4	1909.9	1870.7	1826.8	1766.8	1656.0	1416.0	1144.8	938.2	33.5
42.5°	1892.6	1877.6	1838.3	1789.9	1736.8	1661.8	1488.7	1195.6	994.8	751.3	2.3
45°	1762.2	1748.3	1717.2	1665.2	1606.4	1500.2	1226.7	1027.1	809.0	547.0	0.0
47.5°	1339.8	1332.9	1365.2	1372.1	1371.0	1249.8	1023.6	837.8	594.3	318.5	0.0
50°	1219.8	1210.6	1178.2	1136.7	1062.8	961.3	820.5	620.9	348.5	101.6	0.0
52.5°	875.9	905.9	912.8	881.7	812.4	712.0	565.5	357.7	121.2	0.0	0.0
55°	356.6	338.1	352.0	369.3	383.1	352.0	260.8	126.9	1.2	0.0	0.0
57.5°	0.0	1.2	6.9	16.2	26.5	33.5	35.8	2.3	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	0.0	1.2
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	1.2	1.2	1.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	2.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	2.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
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):

	90°	112.5°	135°	157.5°	180°
0°	663.6	663.6	663.6	663.6	663.6
2.5°	665.9	563.2	463.9	409.7	383.1
5°	641.6	430.4	266.6	184.6	153.5
7.5°	601.2	295.4	106.2	43.9	31.2
10°	542.4	169.6	28.9	11.5	10.4
12.5°	458.1	77.3	10.4	8.1	8.1
15°	364.7	26.5	5.8	4.6	3.5
17.5°	256.2	6.9	2.3	0.0	0.0
20°	155.8	1.2	0.0	0.0	0.0
22.5°	86.6	0.0	0.0	0.0	0.0
25°	42.7	0.0	0.0	0.0	0.0
27.5°	18.5	0.0	0.0	0.0	0.0
30°	5.8	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	1.2	0.0	0.0	0.0	0.0
65°	1.2	1.2	0.0	0.0	0.0
67.5°	1.2	1.2	0.0	0.0	0.0
70°	1.2	1.2	0.0	0.0	0.0
72.5°	1.2	1.2	0.0	0.0	0.0
75°	1.2	1.2	0.0	0.0	0.0
77.5°	2.3	1.2	1.2	0.0	0.0
80°	2.3	1.2	1.2	0.0	0.0
82.5°	2.3	1.2	1.2	0.0	0.0
85°	1.2	1.2	1.2	0.0	0.0
87.5°	2.3	1.2	1.2	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)