

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: P1315557

Luminaire Tested: P3SQAS17R559740DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315557
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: P3SQAS17R559740DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

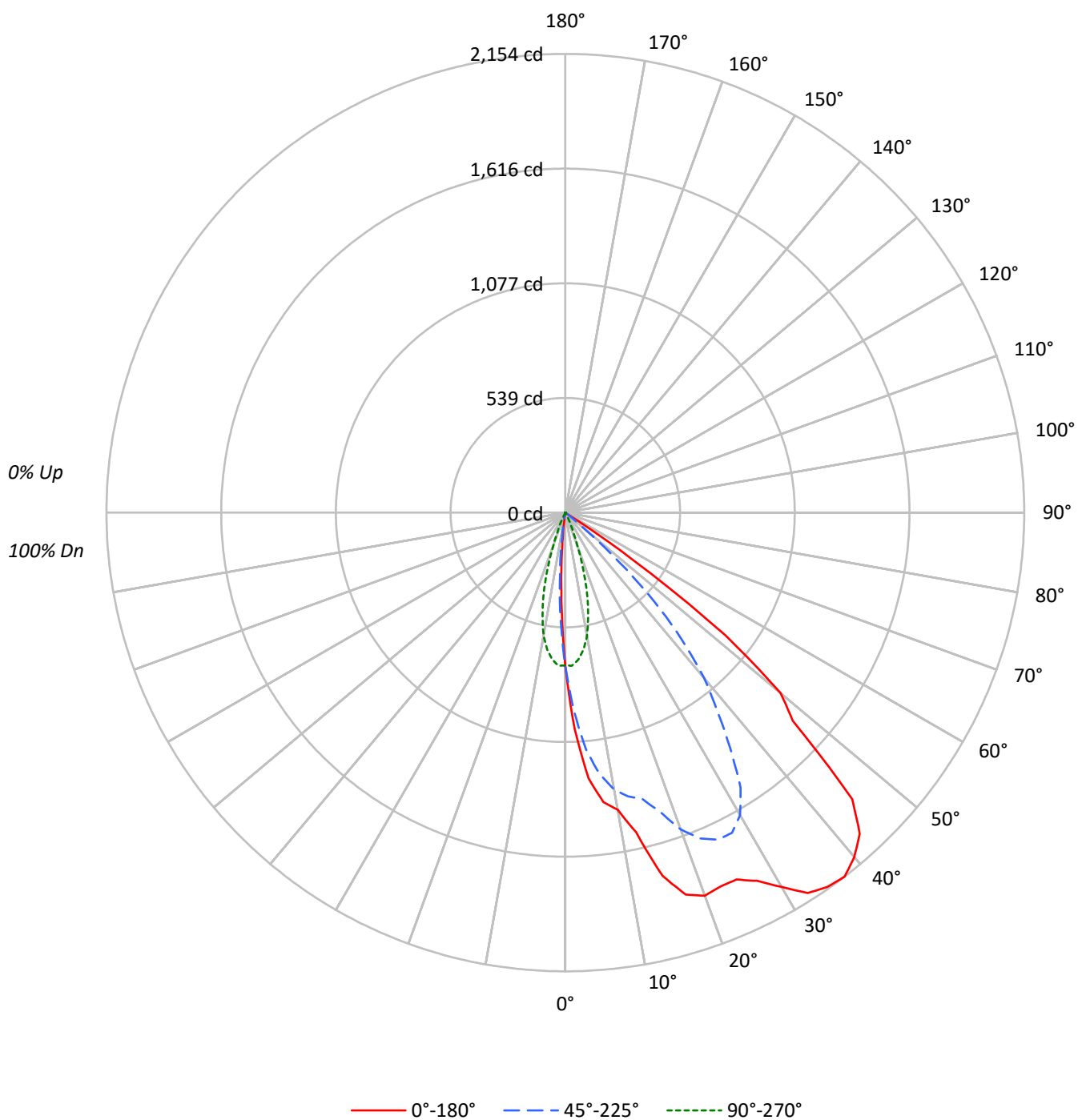
Lumens per Lamp: N/A
Luminaire Lumens: 1326.9 lumens
Efficiency: N/A
Efficacy: 62.6 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	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	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	91	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°	123501	123501	123501	123501	123501
5°	216446	192952	119875	49807	28681
10°	247734	230946	102497	5456	1959
15°	314839	247923	70267	1105	660
20°	350826	290033	30864	0	0
25°	361146	321810	8760	0	0
30°	403478	326120	1233	0	0
35°	450955	283158	0	0	0
40°	474372	227946	0	0	0
45°	463786	143968	0	0	0
50°	353160	29392	0	0	0
55°	115691	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	2479	1190	0
85°	0	2371	2371	2371	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 463786 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.5	4.9
10°-20°	192.0	14.5
20°-30°	312.2	23.5
30°-40°	371.1	28.0
40°-50°	303.5	22.9
50°-60°	80.4	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°	569.8	42.9
0°-40°	940.9	70.9
0°-60°	1324.7	99.8
0°-90°	1326.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1326.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	717	717	717	717	717	
5°	1252	1116	693	288	166	123
15°	1766	1390	394	6	4	494
25°	1900	1694	46	0	0	895
35°	2145	1347	0	0	0	1334
45°	1904	591	0	0	0	1367
55°	385	0	0	0	0	433
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°	717.1	717.1	717.1	717.1	717.1	717.1	717.1	717.1	717.1	717.1	717.1
2.5°	1017.6	1010.1	1011.4	1007.6	1011.4	995.1	977.7	961.5	949.0	931.5	825.5
5°	1252.0	1239.6	1235.8	1230.8	1225.8	1205.9	1189.7	1169.7	1146.0	1116.1	921.6
7.5°	1370.5	1360.5	1355.5	1358.0	1346.8	1339.3	1318.1	1295.7	1270.7	1238.3	993.9
10°	1416.6	1406.7	1405.4	1404.2	1402.9	1397.9	1388.0	1368.0	1345.6	1320.6	1035.1
12.5°	1537.6	1515.2	1500.2	1482.7	1461.5	1434.1	1411.7	1394.2	1385.5	1365.5	1053.8
15°	1765.8	1744.6	1728.4	1706.0	1666.1	1607.4	1553.8	1485.2	1425.4	1390.5	1046.3
17.5°	1880.5	1870.6	1856.9	1841.9	1814.5	1772.1	1717.2	1644.9	1568.8	1470.3	1010.1
20°	1914.2	1909.2	1899.3	1893.0	1874.3	1844.4	1807.0	1750.9	1679.8	1582.5	954.0
22.5°	1900.5	1904.2	1909.2	1925.4	1927.9	1906.7	1871.8	1818.2	1745.9	1656.1	867.9
25°	1900.5	1898.0	1898.0	1931.7	1952.9	1942.9	1918.0	1869.3	1795.8	1693.5	761.9
27.5°	1949.1	1934.2	1903.0	1937.9	1972.8	1969.1	1946.6	1889.3	1807.0	1694.7	632.3
30°	2028.9	1996.5	1945.4	1977.8	2010.2	1996.5	1960.4	1886.8	1782.0	1639.9	473.9
32.5°	2117.5	2102.5	2076.3	2097.5	2092.5	2037.7	1972.8	1870.6	1730.9	1530.1	319.2
35°	2144.9	2147.4	2130.0	2126.2	2097.5	2041.4	1972.8	1824.4	1623.7	1346.8	189.6
37.5°	2153.7	2154.9	2127.5	2092.5	2050.1	1984.1	1901.7	1729.7	1425.4	1169.7	101.0
40°	2110.0	2108.8	2063.9	2021.5	1974.1	1909.2	1789.5	1530.1	1237.1	1013.9	36.2
42.5°	2045.2	2028.9	1986.5	1934.2	1876.8	1795.8	1608.7	1291.9	1075.0	811.8	2.5
45°	1904.2	1889.3	1855.6	1799.5	1735.9	1621.2	1325.6	1109.9	874.2	591.1	0.0
47.5°	1447.8	1440.3	1475.3	1482.7	1481.5	1350.6	1106.1	905.4	642.2	344.2	0.0
50°	1318.1	1308.2	1273.2	1228.3	1148.5	1038.8	886.7	670.9	376.6	109.7	0.0
52.5°	946.5	978.9	986.4	952.7	877.9	769.4	611.1	386.6	130.9	0.0	0.0
55°	385.3	365.4	380.3	399.1	414.0	380.3	281.8	137.2	1.2	0.0	0.0
57.5°	0.0	1.2	7.5	17.5	28.7	36.2	38.7	2.5	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	2.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	2.5
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°	717.1	717.1	717.1	717.1	717.1
2.5°	719.5	608.6	501.3	442.7	414.0
5°	693.4	465.1	288.1	199.5	165.9
7.5°	649.7	319.2	114.7	47.4	33.7
10°	586.1	183.3	31.2	12.5	11.2
12.5°	495.1	83.6	11.2	8.7	8.7
15°	394.1	28.7	6.2	5.0	3.7
17.5°	276.8	7.5	2.5	0.0	0.0
20°	168.4	1.2	0.0	0.0	0.0
22.5°	93.5	0.0	0.0	0.0	0.0
25°	46.1	0.0	0.0	0.0	0.0
27.5°	20.0	0.0	0.0	0.0	0.0
30°	6.2	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°	2.5	1.2	1.2	0.0	0.0
80°	2.5	1.2	1.2	0.0	0.0
82.5°	2.5	1.2	1.2	0.0	0.0
85°	1.2	1.2	1.2	0.0	0.0
87.5°	2.5	1.2	1.2	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)