

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: P1316600

Luminaire Tested: P3SQAS20R609827D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316600
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R609827D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 98CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

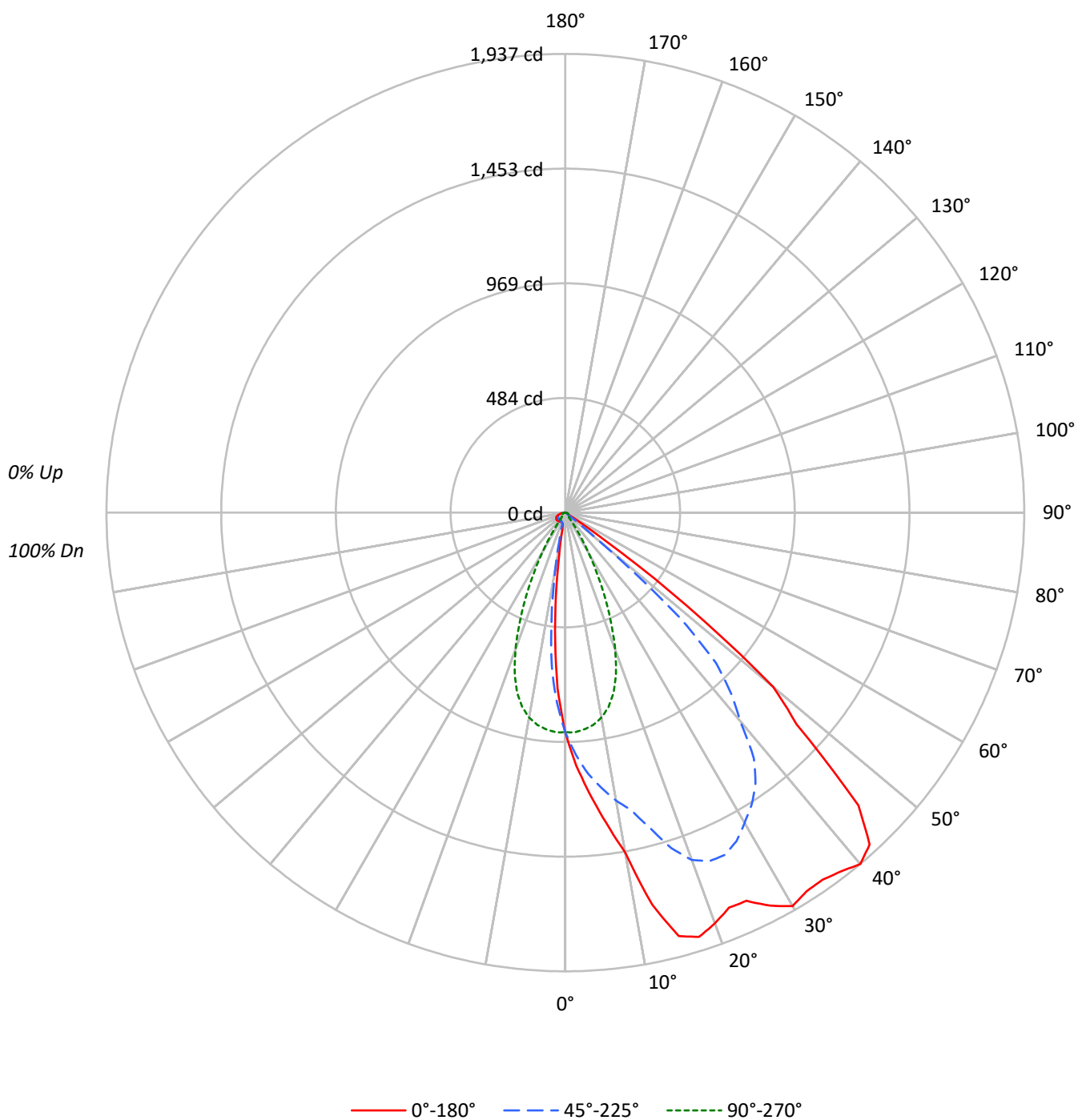
Lumens per Lamp: N/A
Luminaire Lumens: 1506.0 lumens
Efficiency: N/A
Efficacy: 55.0 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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

TEST NUMBER: P1316600

CATALOG NUMBER: P3SQAS20R609827D010 E3SQCA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1316600

CATALOG NUMBER: P3SQAS20R609827D010 E3SQCA301MW

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	103	109	106	104	101	102	100	98		99	97	95		95	94	92	90
2	105	99	94	89	102	97	92	88	94	90	86		90	87	85		88	85	83	81
3	98	90	84	79	96	88	83	78	85	81	77		83	79	75		81	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61		70	65	61		68	64	60	58
6	79	68	61	56	78	67	61	55	66	60	55		64	59	55		63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50		59	54	49		58	53	49	47
8	70	58	51	46	68	57	50	45	56	50	45		55	49	45		54	49	45	43
9	65	54	46	42	64	53	46	42	52	46	41		51	45	41		50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38		47	42	38		47	41	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	159650	159650	159650	159650	159650
5°	206229	191482	158791	113081	86285
10°	254869	215836	153667	42776	12679
15°	330083	245659	140196	9378	8362
20°	338253	286130	112843	7826	8082
25°	343682	302883	75650	7563	8114
30°	381444	300844	39017	7636	8492
35°	397889	294154	10765	8073	9272
40°	435388	257959	5103	8633	10229
45°	425961	219204	5188	9353	11423
50°	307049	54095	5707	10289	12566
55°	58911	3423	5975	11110	14082
60°	2928	3444	5890	11746	15190
65°	2893	3464	5787	12185	16219
70°	2870	3575	5740	12186	16466
75°	2861	3793	5656	12310	17035
80°	1389	4265	5653	12695	16960
85°	2766	2766	5533	11263	16796

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 425961 cd/sqm

TEST NUMBER: P1316600

CATALOG NUMBER: P3SQAS20R609827D010 E3SQCA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.6	5.4
10°-20°	222.6	14.8
20°-30°	342.6	22.7
30°-40°	402.0	26.7
40°-50°	322.3	21.4
50°-60°	100.1	6.6
60°-70°	18.9	1.3
70°-80°	12.6	0.8
80°-90°	4.4	0.3
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°	645.8	42.9
0°-40°	1047.7	69.6
0°-60°	1470.1	97.6
0°-90°	1506.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1506.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	927	927	927	927	927	
5°	1193	1108	918	654	499	122
15°	1851	1378	786	53	47	507
25°	1809	1594	398	40	43	854
35°	1892	1399	51	38	44	1198
45°	1749	900	21	38	47	1252
55°	196	11	20	37	47	310
65°	7	8	14	30	40	7
75°	4	6	8	18	26	4
85°	1	1	3	6	8	1
90°	0	0	0	0	0	

TEST NUMBER: P1316600

CATALOG NUMBER: P3SQAS20R609827D010 E3SQCA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	927.0	927.0	927.0	927.0	927.0	927.0	927.0	927.0	927.0	927.0	927.0
2.5°	1069.2	1057.9	1057.9	1053.6	1049.3	1050.7	1039.4	1043.6	1032.3	1023.7	1016.6
5°	1192.9	1178.7	1177.3	1170.2	1163.1	1157.4	1143.2	1134.6	1117.6	1107.6	1086.3
7.5°	1320.9	1309.5	1302.4	1293.9	1281.1	1266.9	1242.7	1227.1	1200.0	1173.0	1146.0
10°	1457.4	1447.4	1431.8	1421.9	1386.3	1363.6	1330.9	1309.5	1269.7	1234.2	1192.9
12.5°	1696.3	1690.6	1660.7	1640.8	1589.6	1544.1	1473.0	1416.2	1345.1	1286.8	1231.3
15°	1851.3	1844.1	1828.5	1810.0	1777.3	1726.1	1662.1	1582.5	1483.0	1377.8	1283.9
17.5°	1878.3	1879.7	1869.7	1865.5	1844.1	1811.4	1760.3	1700.5	1601.0	1484.4	1356.4
20°	1845.6	1856.9	1854.1	1862.6	1866.9	1854.1	1820.0	1761.7	1674.9	1561.2	1417.6
22.5°	1805.8	1815.7	1812.9	1828.5	1852.7	1865.5	1854.1	1807.2	1719.0	1592.5	1451.7
25°	1808.6	1815.7	1794.4	1804.3	1835.6	1866.9	1868.3	1827.1	1731.8	1593.9	1448.9
27.5°	1871.2	1849.8	1801.5	1797.2	1835.6	1875.4	1878.3	1827.1	1713.3	1564.0	1420.4
30°	1918.1	1902.4	1848.4	1841.3	1878.3	1905.3	1891.1	1811.4	1669.3	1512.8	1379.2
32.5°	1895.3	1898.2	1875.4	1898.2	1946.5	1957.9	1898.2	1774.5	1608.1	1463.1	1330.9
35°	1892.5	1903.9	1916.7	1952.2	1984.9	1957.9	1862.6	1704.8	1542.7	1399.1	1255.5
37.5°	1909.5	1928.0	1946.5	1977.8	1977.8	1908.1	1768.8	1616.6	1464.5	1308.1	1099.1
40°	1936.6	1947.9	1953.6	1950.8	1912.4	1810.0	1662.1	1510.0	1365.0	1147.4	995.3
42.5°	1901.0	1899.6	1893.9	1869.7	1798.6	1665.0	1527.1	1403.4	1174.4	1035.1	861.6
45°	1748.9	1748.9	1733.2	1694.8	1629.4	1518.5	1396.3	1215.7	1070.7	900.0	639.8
47.5°	1323.7	1313.8	1330.9	1353.6	1353.6	1343.6	1232.7	1076.3	928.5	649.8	204.7
50°	1146.0	1130.4	1109.0	1113.3	1110.5	1121.8	1050.7	932.7	686.8	201.9	14.2
52.5°	648.4	676.8	746.5	844.6	888.7	904.3	860.2	709.5	231.8	12.8	11.4
55°	196.2	201.9	228.9	281.5	382.5	489.1	496.2	230.3	15.6	11.4	11.4
57.5°	8.5	8.5	11.4	17.1	39.8	59.7	64.0	14.2	10.0	11.4	11.4
60°	8.5	8.5	8.5	8.5	8.5	8.5	10.0	10.0	10.0	10.0	11.4
62.5°	7.1	7.1	8.5	8.5	8.5	8.5	8.5	8.5	10.0	10.0	10.0
65°	7.1	7.1	7.1	7.1	7.1	7.1	8.5	8.5	8.5	8.5	10.0
67.5°	5.7	5.7	5.7	7.1	7.1	7.1	7.1	7.1	8.5	8.5	8.5
70°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	7.1	7.1	7.1	7.1
72.5°	4.3	4.3	4.3	4.3	4.3	5.7	5.7	5.7	5.7	5.7	7.1
75°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	5.7	5.7	5.7	5.7
77.5°	2.8	2.8	2.8	2.8	2.8	4.3	4.3	4.3	4.3	4.3	4.3
80°	1.4	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	4.3	4.3
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8	2.8	2.8	2.8
85°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8
87.5°	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1316600

CATALOG NUMBER: P3SQAS20R609827D010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	927.0	927.0	927.0	927.0	927.0	927.0	927.0	927.0
2.5°	1006.7	995.3	982.5	928.5	875.9	804.8	756.4	742.2
5°	1067.8	1049.3	1020.9	918.5	794.8	654.1	540.3	499.1
7.5°	1119.0	1090.6	1050.7	904.3	698.1	443.6	285.8	241.7
10°	1156.0	1120.4	1069.2	878.7	570.2	244.6	96.7	72.5
12.5°	1187.2	1140.3	1079.2	840.3	415.2	99.5	49.8	49.8
15°	1208.6	1151.7	1083.5	786.3	268.7	52.6	46.9	46.9
17.5°	1238.4	1164.5	1083.5	710.9	146.5	45.5	45.5	45.5
20°	1286.8	1177.3	1067.8	615.7	81.0	42.7	44.1	44.1
22.5°	1312.4	1195.8	1047.9	504.8	51.2	41.2	42.7	42.7
25°	1318.1	1192.9	1005.2	398.1	41.2	39.8	41.2	42.7
27.5°	1298.2	1173.0	948.4	290.1	37.0	38.4	41.2	42.7
30°	1262.6	1124.7	857.4	196.2	34.1	38.4	41.2	42.7
32.5°	1195.8	1008.1	750.7	118.0	32.7	38.4	41.2	44.1
35°	1046.5	885.8	628.5	51.2	31.3	38.4	42.7	44.1
37.5°	938.4	763.5	486.3	25.6	31.3	38.4	42.7	45.5
40°	819.0	614.2	224.7	22.7	31.3	38.4	42.7	45.5
42.5°	624.2	284.4	27.0	22.7	29.9	38.4	44.1	45.5
45°	227.5	29.9	14.2	21.3	29.9	38.4	44.1	46.9
47.5°	17.1	11.4	12.8	21.3	29.9	38.4	44.1	46.9
50°	11.4	11.4	12.8	21.3	29.9	38.4	44.1	46.9
52.5°	11.4	12.8	12.8	19.9	28.4	38.4	44.1	46.9
55°	11.4	12.8	12.8	19.9	28.4	37.0	44.1	46.9
57.5°	11.4	11.4	12.8	18.5	27.0	35.5	44.1	45.5
60°	11.4	11.4	12.8	17.1	25.6	34.1	41.2	44.1
62.5°	11.4	11.4	11.4	15.6	24.2	32.7	39.8	42.7
65°	10.0	10.0	11.4	14.2	21.3	29.9	37.0	39.8
67.5°	8.5	10.0	10.0	12.8	19.9	27.0	34.1	37.0
70°	8.5	8.5	8.5	11.4	17.1	24.2	31.3	32.7
72.5°	7.1	7.1	8.5	10.0	15.6	21.3	28.4	29.9
75°	5.7	7.1	7.1	8.5	12.8	18.5	24.2	25.6
77.5°	5.7	5.7	5.7	7.1	11.4	15.6	19.9	21.3
80°	4.3	4.3	4.3	5.7	8.5	12.8	15.6	17.1
82.5°	2.8	4.3	4.3	4.3	7.1	8.5	11.4	12.8
85°	2.8	2.8	2.8	2.8	4.3	5.7	7.1	8.5
87.5°	1.4	1.4	2.8	2.8	2.8	2.8	2.8	4.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)