

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: CORELITE

Report Number: P934677

Luminaire Tested: SQ4-FA-075U-050D-B2750-1D-UNV-STD-W-12-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934677
REPORT IS A COMBINATION OF REPORTS P933705 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-050D-B2750-1D-UNV-STD-W-12-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

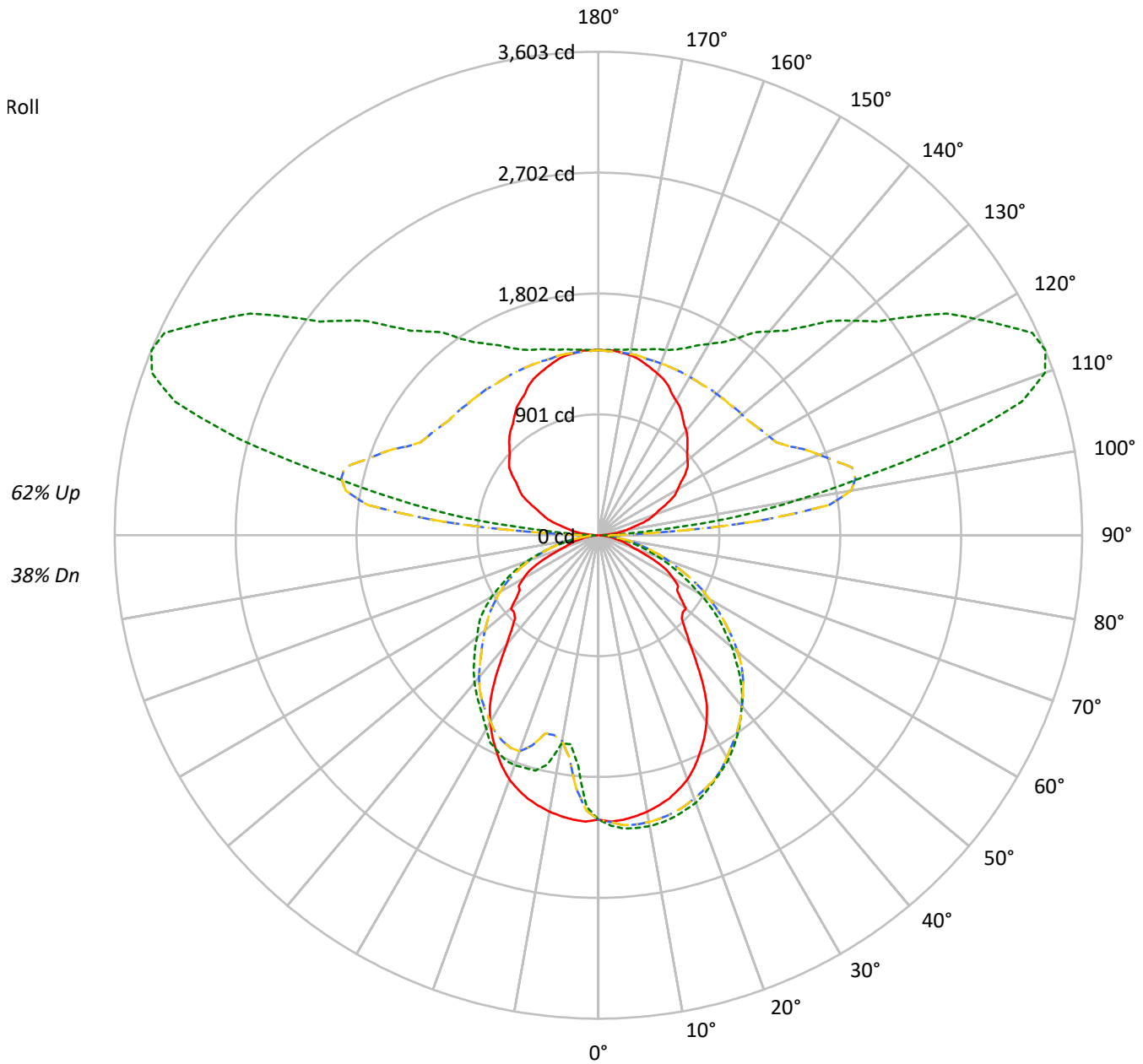
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14444.0 lumens
Efficiency: N/A
Efficacy: 140.0 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 103.2
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



— 0°-180° - - - 45°-225° - - - 90°-270° - - - 135°-315°



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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	50	30	10	0
RCR																					
0	104	104	104	104	95	95	95	95	77	77	77	60	60	60	45	45	45	38	38	38	38
1	95	91	87	84	86	83	79	77	67	65	63	53	52	50	40	39	38	32	32	32	32
2	87	79	73	68	78	72	67	63	59	55	52	47	44	42	35	34	32	27	27	27	27
3	79	70	63	57	71	64	57	52	52	47	44	41	38	35	31	29	27	23	23	23	23
4	72	62	54	48	65	56	50	44	46	41	37	37	33	30	28	25	24	20	20	20	20
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17	17	17	17
6	61	49	41	35	55	45	38	33	37	32	28	30	26	23	23	20	18	15	15	15	15
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	21	18	16	13	13	13	13
8	52	40	32	27	47	37	30	25	30	25	22	24	21	18	19	16	14	12	12	12	12
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13	11	11	11	11
10	45	33	26	22	41	31	24	20	26	21	17	21	17	14	16	14	12	10	10	10	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6551	6551	6551	6551
5°	6603	6614	6603	5200
10°	6561	6515	6561	4658
15°	6492	6374	6492	5322
20°	6359	6206	6359	5333
25°	6084	5962	6084	5220
30°	5727	5760	5727	4972
35°	5108	5504	5108	4699
40°	4258	5202	4258	4493
45°	3808	4849	3808	4256
50°	4049	4428	4049	4019
55°	3813	3975	3813	3881
60°	3935	3376	3935	3555
65°	3574	2791	3574	3119
70°	2481	2224	2481	2615
75°	2182	1644	2182	1969
80°	1772	1087	1772	1184
85°	1040	576	1040	489

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5832 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.2	1.3
10°-20°	542.9	3.8
20°-30°	839.2	5.8
30°-40°	1001.8	6.9
40°-50°	1007.7	7.0
50°-60°	876.8	6.1
60°-70°	621.7	4.3
70°-80°	328.9	2.3
80°-90°	87.2	0.6
90°-100°	672.7	4.7
100°-110°	1768.7	12.2
110°-120°	1833.9	12.7
120°-130°	1471.0	10.2
130°-140°	1154.2	8.0
140°-150°	885.9	6.1
150°-160°	638.0	4.4
160°-170°	390.4	2.7
170°-180°	131.9	0.9
0°-30°	1573.2	10.9
0°-40°	2575.0	17.8
0°-60°	4459.5	30.9
0°-90°	5497.2	38.1
90°-120°	4275.3	29.6
90°-150°	7786.5	53.9
90°-180°	8947.0	61.9
0°-180°	14444.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2118	2118	2118	2118	2118	
5°	2128	2194	2128	1725	2128	202
15°	2032	2174	2032	1816	2032	572
25°	1790	2028	1790	1776	1790	822
35°	1361	1810	1361	1545	1361	842
45°	878	1491	878	1308	878	703
55°	715	1100	715	1074	715	657
65°	497	663	497	741	497	475
75°	188	315	188	377	188	198
85°	32	80	32	68	32	43
90°	9	35	9	35	9	9
95°	89	407	89	407	89	99
105°	319	2770	319	2770	319	338
115°	566	3566	566	3566	566	559
125°	787	2840	787	2840	787	699
135°	938	2204	938	2204	938	726
145°	1088	1788	1088	1788	1088	682
155°	1230	1539	1230	1539	1230	565
165°	1327	1434	1327	1434	1327	375
175°	1380	1389	1380	1389	1380	131
180°	1380	1380	1380	1380	1380	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1
2.5°	2136.1	2136.1	2148.2	2152.2	2152.2	2146.2	2140.2	2146.2	2164.2	2170.2	2168.2
5°	2128.2	2144.2	2166.2	2170.2	2174.3	2172.3	2168.2	2172.3	2192.3	2196.3	2198.3
7.5°	2112.1	2142.2	2170.2	2176.3	2182.2	2176.3	2174.3	2178.3	2198.3	2202.3	2202.3
10°	2092.1	2134.1	2166.2	2170.2	2176.3	2170.2	2170.2	2178.3	2198.3	2202.3	2204.3
12.5°	2064.0	2122.2	2152.2	2156.2	2164.2	2162.2	2160.2	2168.2	2188.3	2192.3	2192.3
15°	2031.9	2100.1	2128.2	2132.1	2146.2	2142.2	2142.2	2150.2	2172.3	2178.3	2176.3
17.5°	1987.9	2072.1	2104.1	2110.1	2120.2	2118.1	2120.2	2128.2	2148.2	2152.2	2154.2
20°	1937.8	2033.9	2072.1	2078.1	2088.1	2088.1	2088.1	2098.1	2118.1	2126.2	2126.2
22.5°	1869.7	1993.9	2033.9	2038.0	2050.0	2050.0	2054.1	2068.0	2086.0	2088.1	2088.1
25°	1789.5	1949.8	1983.8	1995.9	2007.9	2013.9	2020.0	2028.0	2033.9	2031.9	2033.9
27.5°	1705.4	1893.7	1937.8	1945.8	1961.8	1967.8	1975.9	1977.9	1979.8	1985.8	1981.8
30°	1611.1	1815.5	1881.6	1889.7	1915.7	1919.8	1911.7	1915.7	1925.8	1929.8	1933.7
32.5°	1505.0	1699.3	1823.6	1841.6	1865.6	1853.7	1851.6	1857.6	1873.7	1873.7	1877.7
35°	1360.6	1609.1	1769.5	1785.5	1803.6	1789.5	1797.5	1799.5	1809.5	1815.5	1813.5
37.5°	1202.4	1531.0	1713.3	1725.4	1739.4	1721.4	1733.3	1739.4	1747.4	1743.4	1743.4
40°	1062.0	1408.7	1647.2	1655.3	1667.2	1653.3	1665.2	1669.3	1673.3	1669.3	1667.2
42.5°	957.9	1274.5	1577.1	1587.1	1579.1	1589.1	1593.1	1601.2	1595.1	1587.1	1587.1
45°	877.7	1238.4	1501.0	1512.9	1501.0	1517.0	1523.0	1523.0	1505.0	1501.0	1498.9
47.5°	851.7	1166.3	1424.8	1424.8	1418.8	1438.8	1448.8	1434.8	1416.8	1410.7	1410.7
50°	849.7	1086.1	1320.6	1312.5	1340.6	1364.6	1354.7	1340.6	1326.6	1304.6	1304.6
52.5°	771.5	987.9	1186.3	1216.4	1260.4	1274.5	1258.4	1244.4	1220.4	1210.3	1202.4
55°	715.4	885.7	1064.0	1124.2	1170.3	1188.3	1158.2	1144.2	1108.1	1102.2	1098.2
57.5°	703.4	737.4	951.9	1028.0	1084.1	1082.2	1064.0	1038.0	1008.0	1002.0	1000.0
60°	645.3	533.1	831.7	921.8	979.9	973.9	957.9	933.8	905.8	901.8	897.8
62.5°	585.2	386.7	695.3	797.6	879.7	877.7	863.7	827.6	807.6	797.6	789.5
65°	497.0	324.6	495.0	663.3	781.6	785.5	755.5	729.5	707.4	695.3	693.3
67.5°	378.8	264.5	334.7	553.1	687.3	683.4	645.3	633.3	605.2	599.2	587.1
70°	280.6	176.4	232.5	448.9	595.2	585.2	555.1	541.0	515.0	501.0	492.9
72.5°	232.5	142.2	170.3	348.7	501.0	488.9	462.9	446.9	424.8	412.8	404.8
75°	188.3	150.3	130.3	258.5	406.8	398.8	374.7	358.7	340.6	324.6	326.6
77.5°	138.2	140.2	104.2	190.3	322.6	310.7	296.6	276.6	268.5	252.5	252.5
80°	104.2	110.3	78.2	130.3	232.5	232.5	220.4	206.4	192.3	184.4	184.4
82.5°	70.1	70.1	58.1	82.2	158.3	152.3	144.3	140.2	132.3	128.3	128.3
85°	32.1	40.0	36.1	50.1	86.2	90.1	90.1	86.2	84.2	80.2	82.2
87.5°	10.1	18.0	22.0	28.1	44.1	46.1	48.1	48.1	48.1	50.1	50.1
90°	9.3	16.6	24.0	25.9	40.7	60.6	70.4	62.5	46.9	35.2	35.2
92.5°	37.1	100.0	163.0	178.8	251.3	348.0	396.4	347.4	249.5	176.0	169.0
95°	88.9	204.2	319.5	348.3	618.4	978.7	1158.7	1034.0	784.5	597.4	576.2
97.5°	153.8	255.5	357.2	382.6	833.1	1433.6	1733.9	1655.1	1497.4	1379.2	1338.8
100°	203.8	296.0	388.2	411.2	911.1	1577.6	1910.8	1916.6	1928.2	1936.8	1888.7
102.5°	246.4	332.5	418.4	439.9	946.9	1622.9	1960.9	2061.3	2262.2	2412.9	2371.8
105°	318.6	391.5	464.3	482.6	973.5	1628.1	1955.3	2180.5	2630.9	2968.7	2946.6
107.5°	392.7	460.6	528.6	545.6	978.5	1555.7	1844.2	2158.3	2786.5	3257.6	3263.0
110°	442.7	504.1	565.4	580.8	971.0	1491.4	1751.6	2102.8	2805.0	3331.7	3354.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	491.8	550.3	608.8	623.4	971.4	1435.3	1667.3	2026.7	2745.5	3284.5	3319.9
115°	565.9	619.8	673.8	687.2	980.3	1371.0	1566.3	1912.5	2604.9	3124.3	3173.4
117.5°	639.1	688.1	737.0	749.3	998.5	1330.7	1496.8	1809.2	2434.1	2902.8	2957.3
120°	681.8	727.9	773.9	785.4	1013.3	1317.1	1469.0	1754.5	2325.5	2753.7	2806.6
122.5°	723.4	769.9	816.4	828.1	1034.6	1310.0	1447.7	1704.8	2219.0	2604.6	2656.8
125°	787.3	829.8	872.2	882.8	1063.3	1304.2	1424.6	1643.0	2079.7	2407.3	2455.4
127.5°	839.2	882.1	924.9	935.5	1092.1	1300.8	1405.2	1592.7	1967.7	2249.0	2289.5
130°	867.0	913.1	959.1	970.7	1113.0	1302.8	1397.7	1564.6	1898.5	2148.9	2186.3
132.5°	895.7	941.8	987.8	999.4	1130.0	1304.2	1391.2	1540.6	1839.5	2063.7	2097.3
135°	938.3	980.3	1022.3	1032.8	1148.6	1303.0	1380.2	1505.3	1755.5	1943.3	1972.2
137.5°	981.9	1023.4	1065.0	1075.4	1176.4	1310.9	1378.3	1484.0	1695.7	1854.4	1878.1
140°	1017.9	1056.2	1094.5	1104.1	1193.3	1312.3	1371.8	1463.2	1646.0	1783.0	1805.2
142.5°	1045.7	1081.2	1116.5	1125.4	1207.6	1317.0	1371.8	1452.1	1612.6	1733.0	1752.1
145°	1088.3	1119.2	1150.1	1157.8	1226.1	1317.0	1362.5	1428.2	1559.5	1658.0	1672.5
147.5°	1131.0	1161.0	1191.1	1198.6	1253.3	1326.1	1362.5	1414.2	1517.5	1595.0	1606.9
150°	1158.7	1185.9	1213.1	1219.9	1267.4	1330.9	1362.5	1406.2	1493.4	1558.8	1568.5
152.5°	1187.4	1208.0	1228.6	1233.7	1276.7	1333.9	1362.5	1399.8	1474.3	1530.2	1537.4
155°	1230.1	1245.3	1260.5	1264.3	1297.1	1340.7	1362.5	1392.2	1451.5	1495.9	1500.8
157.5°	1261.5	1276.4	1291.2	1294.9	1317.4	1347.5	1362.5	1385.5	1431.7	1466.2	1469.6
160°	1282.8	1294.4	1306.0	1308.8	1326.8	1350.6	1362.5	1382.2	1421.8	1451.5	1453.5
162.5°	1304.2	1312.8	1321.4	1323.6	1336.5	1353.9	1362.5	1379.2	1412.5	1437.5	1439.4
165°	1327.4	1335.1	1342.9	1344.9	1350.8	1358.6	1362.5	1374.5	1398.3	1416.2	1418.2
167.5°	1348.6	1352.3	1356.1	1357.0	1361.9	1368.5	1371.8	1379.6	1395.2	1406.9	1407.7
170°	1362.5	1366.2	1370.0	1370.9	1371.2	1371.6	1371.8	1379.6	1395.2	1406.9	1406.9
172.5°	1369.9	1370.7	1371.6	1371.8	1371.8	1371.8	1371.8	1378.0	1390.3	1399.6	1398.9
175°	1380.2	1380.2	1380.2	1380.2	1377.4	1373.7	1371.8	1375.7	1383.5	1389.4	1389.4
177.5°	1380.2	1380.2	1380.2	1380.2	1378.0	1375.1	1373.7	1376.8	1382.9	1387.5	1386.7
180°	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1
2.5°	2172.3	2166.2	2172.3	2168.2	2170.2	2164.2	2146.2	2140.2	2146.2	2152.2	2152.2
5°	2198.3	2194.3	2198.3	2198.3	2196.3	2192.3	2172.3	2168.2	2172.3	2174.3	2170.2
7.5°	2206.3	2200.3	2206.3	2202.3	2202.3	2198.3	2178.3	2174.3	2176.3	2182.2	2176.3
10°	2206.3	2200.3	2206.3	2204.3	2202.3	2198.3	2178.3	2170.2	2170.2	2176.3	2170.2
12.5°	2196.3	2192.3	2196.3	2192.3	2192.3	2188.3	2168.2	2160.2	2162.2	2164.2	2156.2
15°	2180.2	2174.3	2180.2	2176.3	2178.3	2172.3	2150.2	2142.2	2142.2	2146.2	2132.1
17.5°	2156.2	2148.2	2156.2	2154.2	2152.2	2148.2	2128.2	2120.2	2118.1	2120.2	2110.1
20°	2128.2	2122.2	2128.2	2126.2	2126.2	2118.1	2098.1	2088.1	2088.1	2088.1	2078.1
22.5°	2084.0	2078.1	2084.0	2088.1	2088.1	2086.0	2068.0	2054.1	2050.0	2050.0	2038.0
25°	2033.9	2028.0	2033.9	2033.9	2031.9	2033.9	2028.0	2020.0	2013.9	2007.9	1995.9
27.5°	1985.8	1981.8	1985.8	1981.8	1985.8	1979.8	1977.9	1975.9	1967.8	1961.8	1945.8
30°	1937.8	1933.7	1937.8	1933.7	1929.8	1925.8	1915.7	1911.7	1919.8	1915.7	1889.7
32.5°	1877.7	1873.7	1877.7	1877.7	1873.7	1873.7	1857.6	1851.6	1853.7	1865.6	1841.6
35°	1815.5	1809.5	1815.5	1813.5	1815.5	1809.5	1799.5	1797.5	1789.5	1803.6	1785.5
37.5°	1743.4	1737.4	1743.4	1743.4	1743.4	1747.4	1739.4	1733.3	1721.4	1739.4	1725.4
40°	1669.3	1661.2	1669.3	1667.2	1669.3	1673.3	1669.3	1665.2	1653.3	1667.2	1655.3
42.5°	1585.1	1583.0	1585.1	1587.1	1587.1	1595.1	1601.2	1593.1	1589.1	1579.1	1587.1
45°	1494.9	1490.9	1494.9	1498.9	1501.0	1505.0	1523.0	1523.0	1517.0	1501.0	1512.9
47.5°	1398.7	1388.7	1398.7	1410.7	1410.7	1416.8	1434.8	1448.8	1438.8	1418.8	1424.8
50°	1296.5	1298.5	1296.5	1304.6	1304.6	1326.6	1340.6	1354.7	1364.6	1340.6	1312.5
52.5°	1196.3	1194.3	1196.3	1202.4	1210.3	1220.4	1244.4	1258.4	1274.5	1260.4	1216.4
55°	1096.1	1100.2	1096.1	1098.2	1102.2	1108.1	1144.2	1158.2	1188.3	1170.3	1124.2
57.5°	995.9	989.9	995.9	1000.0	1002.0	1008.0	1038.0	1064.0	1082.2	1084.1	1028.0
60°	879.7	871.7	879.7	897.8	901.8	905.8	933.8	957.9	973.9	979.9	921.8
62.5°	777.5	763.5	777.5	789.5	797.6	807.6	827.6	863.7	877.7	879.7	797.6
65°	669.3	663.3	669.3	693.3	695.3	707.4	729.5	755.5	785.5	781.6	663.3
67.5°	571.1	571.1	571.1	587.1	599.2	605.2	633.3	645.3	683.4	687.3	553.1
70°	481.0	479.0	481.0	492.9	501.0	515.0	541.0	555.1	585.2	595.2	448.9
72.5°	394.8	392.7	394.8	404.8	412.8	424.8	446.9	462.9	488.9	501.0	348.7
75°	318.6	314.6	318.6	326.6	324.6	340.6	358.7	374.7	398.8	406.8	258.5
77.5°	244.5	244.5	244.5	252.5	252.5	268.5	276.6	296.6	310.7	322.6	190.3
80°	182.4	180.4	182.4	184.4	184.4	192.3	206.4	220.4	232.5	232.5	130.3
82.5°	128.3	124.2	128.3	128.3	128.3	132.3	140.2	144.3	152.3	158.3	82.2
85°	80.2	80.2	80.2	82.2	80.2	84.2	86.2	90.1	90.1	86.2	50.1
87.5°	52.1	50.1	52.1	50.1	50.1	48.1	48.1	48.1	46.1	44.1	28.1
90°	35.2	35.2	35.2	35.2	35.2	46.9	62.5	70.4	60.6	40.7	25.9
92.5°	141.0	113.0	141.0	169.0	176.0	249.5	347.4	396.4	348.0	251.3	178.8
95°	491.4	406.7	491.4	576.2	597.4	784.5	1034.0	1158.7	978.7	618.4	348.3
97.5°	1177.5	1016.1	1177.5	1338.8	1379.2	1497.4	1655.1	1733.9	1433.6	833.1	382.6
100°	1696.5	1504.3	1696.5	1888.7	1936.8	1928.2	1916.6	1910.8	1577.6	911.1	411.2
102.5°	2207.0	2042.4	2207.0	2371.8	2412.9	2262.2	2061.3	1960.9	1622.9	946.9	439.9
105°	2858.0	2769.5	2858.0	2946.6	2968.7	2630.9	2180.5	1955.3	1628.1	973.5	482.6
107.5°	3284.4	3305.8	3284.4	3263.0	3257.6	2786.5	2158.3	1844.2	1555.7	978.5	545.6
110°	3447.0	3539.2	3447.0	3354.7	3331.7	2805.0	2102.8	1751.6	1491.4	971.0	580.8



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3461.5	3603.1	3461.5	3319.9	3284.5	2745.5	2026.7	1667.3	1435.3	971.4	623.4
115°	3369.7	3566.1	3369.7	3173.4	3124.3	2604.9	1912.5	1566.3	1371.0	980.3	687.2
117.5°	3175.0	3392.9	3175.0	2957.3	2902.8	2434.1	1809.2	1496.8	1330.7	998.5	749.3
120°	3018.3	3229.8	3018.3	2806.6	2753.7	2325.5	1754.5	1469.0	1317.1	1013.3	785.4
122.5°	2865.5	3074.3	2865.5	2656.8	2604.6	2219.0	1704.8	1447.7	1310.0	1034.6	828.1
125°	2647.7	2839.9	2647.7	2455.4	2407.3	2079.7	1643.0	1424.6	1304.2	1063.3	882.8
127.5°	2451.8	2613.9	2451.8	2289.5	2249.0	1967.7	1592.7	1405.2	1300.8	1092.1	935.5
130°	2336.2	2486.1	2336.2	2186.3	2148.9	1898.5	1564.6	1397.7	1302.8	1113.0	970.7
132.5°	2231.4	2365.7	2231.4	2097.3	2063.7	1839.5	1540.6	1391.2	1304.2	1130.0	999.4
135°	2087.9	2203.6	2087.9	1972.2	1943.3	1755.5	1505.3	1380.2	1303.0	1148.6	1032.8
137.5°	1972.7	2067.4	1972.7	1878.1	1854.4	1695.7	1484.0	1378.3	1310.9	1176.4	1075.4
140°	1893.7	1982.1	1893.7	1805.2	1783.0	1646.0	1463.2	1371.8	1312.3	1193.3	1104.1
142.5°	1828.3	1904.4	1828.3	1752.1	1733.0	1612.6	1452.1	1371.8	1317.0	1207.6	1125.4
145°	1730.1	1787.6	1730.1	1672.5	1658.0	1559.5	1428.2	1362.5	1317.0	1226.1	1157.8
147.5°	1654.7	1702.5	1654.7	1606.9	1595.0	1517.5	1414.2	1362.5	1326.1	1253.3	1198.6
150°	1607.2	1646.0	1607.2	1568.5	1558.8	1493.4	1406.2	1362.5	1330.9	1267.4	1219.9
152.5°	1566.7	1595.9	1566.7	1537.4	1530.2	1474.3	1399.8	1362.5	1333.9	1276.7	1233.7
155°	1520.1	1539.4	1520.1	1500.8	1495.9	1451.5	1392.2	1362.5	1340.7	1297.1	1264.3
157.5°	1483.2	1496.8	1483.2	1469.6	1466.2	1431.7	1385.5	1362.5	1347.5	1317.4	1294.9
160°	1461.2	1469.0	1461.2	1453.5	1451.5	1421.8	1382.2	1362.5	1350.6	1326.8	1308.8
162.5°	1446.8	1454.3	1446.8	1439.4	1437.5	1412.5	1379.2	1362.5	1353.9	1336.5	1323.6
165°	1426.0	1433.8	1426.0	1418.2	1416.2	1398.3	1374.5	1362.5	1358.6	1350.8	1344.9
167.5°	1411.1	1414.4	1411.1	1407.7	1406.9	1395.2	1379.6	1371.8	1368.5	1361.9	1357.0
170°	1406.9	1406.9	1406.9	1406.9	1406.9	1395.2	1379.6	1371.8	1371.6	1371.2	1370.9
172.5°	1396.0	1393.1	1396.0	1398.9	1399.6	1390.3	1378.0	1371.8	1371.8	1371.8	1371.8
175°	1389.4	1389.4	1389.4	1389.4	1389.4	1383.5	1375.7	1371.8	1373.7	1377.4	1380.2
177.5°	1383.4	1380.2	1383.4	1386.7	1387.5	1382.9	1376.8	1373.7	1375.1	1378.0	1380.2
180°	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2



TEST NUMBER: P934677

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1
2.5°	2148.2	2136.1	2136.1	2116.1	2108.1	2102.1	2092.1	2062.0	2054.1	2046.0	2058.0
5°	2166.2	2144.2	2128.2	2092.1	2062.0	2050.0	2011.9	1939.8	1891.7	1855.6	1835.6
7.5°	2170.2	2142.2	2112.1	2056.0	1983.8	1951.8	1835.6	1703.4	1667.2	1635.2	1615.1
10°	2166.2	2134.1	2092.1	2007.9	1837.6	1781.4	1665.2	1579.1	1557.0	1551.1	1557.0
12.5°	2152.2	2122.2	2064.0	1923.8	1685.3	1647.2	1579.1	1529.0	1525.0	1535.0	1589.1
15°	2128.2	2100.1	2031.9	1811.5	1601.2	1573.1	1525.0	1506.9	1529.0	1599.1	1761.4
17.5°	2104.1	2072.1	1987.9	1701.4	1537.0	1517.0	1482.8	1519.0	1643.2	1737.4	1791.5
20°	2072.1	2033.9	1937.8	1621.2	1490.9	1472.9	1456.8	1619.2	1713.3	1747.4	1777.5
22.5°	2033.9	1993.9	1869.7	1565.0	1442.8	1428.8	1438.8	1675.3	1713.3	1737.4	1763.4
25°	1983.8	1949.8	1789.5	1521.0	1404.8	1388.7	1426.8	1669.3	1691.3	1697.3	1749.4
27.5°	1937.8	1893.7	1705.4	1480.9	1358.6	1352.7	1436.8	1643.2	1659.2	1665.2	1721.4
30°	1881.6	1815.5	1611.1	1438.8	1310.5	1308.5	1438.8	1611.1	1607.1	1623.2	1679.3
32.5°	1823.6	1699.3	1505.0	1386.7	1264.4	1262.4	1424.8	1563.0	1559.0	1581.1	1623.2
35°	1769.5	1609.1	1360.6	1326.6	1206.4	1208.3	1390.7	1506.9	1508.9	1529.0	1555.1
37.5°	1713.3	1531.0	1202.4	1260.4	1150.3	1150.3	1344.6	1454.9	1450.9	1456.8	1492.9
40°	1647.2	1408.7	1062.0	1174.3	1098.2	1092.1	1288.5	1398.7	1384.7	1382.7	1432.7
42.5°	1577.1	1274.5	957.9	1060.0	1038.0	1030.0	1220.4	1330.6	1304.6	1310.5	1374.7
45°	1501.0	1238.4	877.7	895.7	975.9	969.9	1146.2	1252.5	1234.4	1250.5	1316.6
47.5°	1424.8	1166.3	851.7	743.4	909.7	907.8	1064.0	1176.3	1166.3	1182.4	1252.5
50°	1320.6	1086.1	849.7	637.2	835.6	843.6	965.9	1102.2	1102.2	1116.2	1190.3
52.5°	1186.3	987.9	771.5	577.1	749.5	773.5	879.7	1038.0	1042.0	1056.1	1122.2
55°	1064.0	885.7	715.4	531.1	647.3	699.4	795.5	971.9	979.9	993.9	1054.1
57.5°	951.9	737.4	703.4	476.9	553.1	603.2	721.4	907.8	911.7	923.8	982.0
60°	831.7	533.1	645.3	418.8	470.9	509.0	653.3	831.7	845.6	853.7	903.8
62.5°	695.3	386.7	585.2	378.8	430.9	438.8	597.2	759.4	777.5	783.6	813.6
65°	495.0	324.6	497.0	344.7	388.7	390.7	537.0	685.3	701.4	711.3	733.5
67.5°	334.7	264.5	378.8	312.6	356.7	358.7	479.0	599.2	621.2	629.3	643.2
70°	232.5	176.4	280.6	278.6	320.6	324.6	416.8	521.0	541.0	547.1	555.1
72.5°	170.3	142.2	232.5	250.5	282.6	286.5	352.7	432.9	452.9	458.9	462.9
75°	130.3	150.3	188.3	218.4	240.4	242.4	288.5	352.7	366.7	370.7	372.7
77.5°	104.2	140.2	138.2	176.4	196.4	192.3	226.5	272.5	284.6	284.6	284.6
80°	78.2	110.3	104.2	126.3	144.3	140.2	162.3	194.4	198.4	202.4	200.4
82.5°	58.1	70.1	70.1	80.2	96.2	92.2	108.2	126.3	126.3	126.3	130.3
85°	36.1	40.0	32.1	42.1	54.1	52.1	60.2	68.1	70.1	70.1	66.1
87.5°	22.0	18.0	10.1	16.0	24.0	24.0	28.1	30.1	28.1	28.1	28.1
90°	24.0	16.6	9.3	16.6	24.0	25.9	40.7	60.6	70.4	62.5	46.9
92.5°	163.0	100.0	37.1	100.0	163.0	178.8	251.3	348.0	396.4	347.4	249.5
95°	319.5	204.2	88.9	204.2	319.5	348.3	618.4	978.7	1158.7	1034.0	784.5
97.5°	357.2	255.5	153.8	255.5	357.2	382.6	833.1	1433.6	1733.9	1655.1	1497.4
100°	388.2	296.0	203.8	296.0	388.2	411.2	911.1	1577.6	1910.8	1916.6	1928.2
102.5°	418.4	332.5	246.4	332.5	418.4	439.9	946.9	1622.9	1960.9	2061.3	2262.2
105°	464.3	391.5	318.6	391.5	464.3	482.6	973.5	1628.1	1955.3	2180.5	2630.9
107.5°	528.6	460.6	392.7	460.6	528.6	545.6	978.5	1555.7	1844.2	2158.3	2786.5
110°	565.4	504.1	442.7	504.1	565.4	580.8	971.0	1491.4	1751.6	2102.8	2805.0



TEST NUMBER: P934677

CATALOG NUMBER: SQ4-FA-075U-050D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	608.8	550.3	491.8	550.3	608.8	623.4	971.4	1435.3	1667.3	2026.7	2745.5
115°	673.8	619.8	565.9	619.8	673.8	687.2	980.3	1371.0	1566.3	1912.5	2604.9
117.5°	737.0	688.1	639.1	688.1	737.0	749.3	998.5	1330.7	1496.8	1809.2	2434.1
120°	773.9	727.9	681.8	727.9	773.9	785.4	1013.3	1317.1	1469.0	1754.5	2325.5
122.5°	816.4	769.9	723.4	769.9	816.4	828.1	1034.6	1310.0	1447.7	1704.8	2219.0
125°	872.2	829.8	787.3	829.8	872.2	882.8	1063.3	1304.2	1424.6	1643.0	2079.7
127.5°	924.9	882.1	839.2	882.1	924.9	935.5	1092.1	1300.8	1405.2	1592.7	1967.7
130°	959.1	913.1	867.0	913.1	959.1	970.7	1113.0	1302.8	1397.7	1564.6	1898.5
132.5°	987.8	941.8	895.7	941.8	987.8	999.4	1130.0	1304.2	1391.2	1540.6	1839.5
135°	1022.3	980.3	938.3	980.3	1022.3	1032.8	1148.6	1303.0	1380.2	1505.3	1755.5
137.5°	1065.0	1023.4	981.9	1023.4	1065.0	1075.4	1176.4	1310.9	1378.3	1484.0	1695.7
140°	1094.5	1056.2	1017.9	1056.2	1094.5	1104.1	1193.3	1312.3	1371.8	1463.2	1646.0
142.5°	1116.5	1081.2	1045.7	1081.2	1116.5	1125.4	1207.6	1317.0	1371.8	1452.1	1612.6
145°	1150.1	1119.2	1088.3	1119.2	1150.1	1157.8	1226.1	1317.0	1362.5	1428.2	1559.5
147.5°	1191.1	1161.0	1131.0	1161.0	1191.1	1198.6	1253.3	1326.1	1362.5	1414.2	1517.5
150°	1213.1	1185.9	1158.7	1185.9	1213.1	1219.9	1267.4	1330.9	1362.5	1406.2	1493.4
152.5°	1228.6	1208.0	1187.4	1208.0	1228.6	1233.7	1276.7	1333.9	1362.5	1399.8	1474.3
155°	1260.5	1245.3	1230.1	1245.3	1260.5	1264.3	1297.1	1340.7	1362.5	1392.2	1451.5
157.5°	1291.2	1276.4	1261.5	1276.4	1291.2	1294.9	1317.4	1347.5	1362.5	1385.5	1431.7
160°	1306.0	1294.4	1282.8	1294.4	1306.0	1308.8	1326.8	1350.6	1362.5	1382.2	1421.8
162.5°	1321.4	1312.8	1304.2	1312.8	1321.4	1323.6	1336.5	1353.9	1362.5	1379.2	1412.5
165°	1342.9	1335.1	1327.4	1335.1	1342.9	1344.9	1350.8	1358.6	1362.5	1374.5	1398.3
167.5°	1356.1	1352.3	1348.6	1352.3	1356.1	1357.0	1361.9	1368.5	1371.8	1379.6	1395.2
170°	1370.0	1366.2	1362.5	1366.2	1370.0	1370.9	1371.2	1371.6	1371.8	1379.6	1395.2
172.5°	1371.6	1370.7	1369.9	1370.7	1371.6	1371.8	1371.8	1371.8	1371.8	1378.0	1390.3
175°	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1377.4	1373.7	1371.8	1375.7	1383.5
177.5°	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1378.0	1375.1	1373.7	1376.8	1382.9
180°	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2



TEST NUMBER: P934677
 CATALOG NUMBER: SQ4-FA-075U-050D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1
2.5°	2044.0	2038.0	2046.0	2024.0	2046.0	2038.0	2044.0	2058.0	2046.0	2054.1	2062.0
5°	1793.5	1783.4	1751.5	1725.4	1751.5	1783.4	1793.5	1835.6	1855.6	1891.7	1939.8
7.5°	1603.2	1595.1	1587.1	1571.1	1587.1	1595.1	1603.2	1615.1	1635.2	1667.2	1703.4
10°	1561.0	1563.0	1575.1	1573.1	1575.1	1563.0	1561.0	1557.0	1551.1	1557.0	1579.1
12.5°	1669.3	1687.3	1753.5	1749.4	1753.5	1687.3	1669.3	1589.1	1535.0	1525.0	1529.0
15°	1793.5	1799.5	1813.5	1815.5	1813.5	1799.5	1793.5	1761.4	1599.1	1529.0	1506.9
17.5°	1805.5	1807.5	1817.5	1817.5	1817.5	1807.5	1805.5	1791.5	1737.4	1643.2	1519.0
20°	1795.5	1799.5	1819.6	1823.6	1819.6	1799.5	1795.5	1777.5	1747.4	1713.3	1619.2
22.5°	1791.5	1799.5	1815.5	1813.5	1815.5	1799.5	1791.5	1763.4	1737.4	1713.3	1675.3
25°	1771.5	1771.5	1773.5	1775.5	1773.5	1771.5	1771.5	1749.4	1697.3	1691.3	1669.3
27.5°	1729.4	1733.3	1745.4	1743.4	1745.4	1733.3	1729.4	1721.4	1665.2	1659.2	1643.2
30°	1691.3	1687.3	1677.3	1669.3	1677.3	1687.3	1691.3	1679.3	1623.2	1607.1	1611.1
32.5°	1627.2	1617.1	1607.1	1601.2	1607.1	1617.1	1627.2	1623.2	1581.1	1559.0	1563.0
35°	1551.1	1553.1	1551.1	1545.0	1551.1	1553.1	1551.1	1555.1	1529.0	1508.9	1506.9
37.5°	1496.9	1501.0	1498.9	1490.9	1498.9	1501.0	1496.9	1492.9	1456.8	1450.9	1454.9
40°	1440.8	1442.8	1440.8	1434.8	1440.8	1442.8	1440.8	1432.7	1382.7	1384.7	1398.7
42.5°	1386.7	1384.7	1378.7	1374.7	1378.7	1384.7	1386.7	1374.7	1310.5	1304.6	1330.6
45°	1324.6	1326.6	1314.5	1308.5	1314.5	1326.6	1324.6	1316.6	1250.5	1234.4	1252.5
47.5°	1262.4	1262.4	1252.5	1246.4	1252.5	1262.4	1262.4	1252.5	1182.4	1166.3	1176.3
50°	1196.3	1194.3	1180.3	1178.3	1180.3	1194.3	1196.3	1190.3	1116.2	1102.2	1102.2
52.5°	1120.2	1120.2	1122.2	1126.2	1122.2	1120.2	1120.2	1122.2	1056.1	1042.0	1038.0
55°	1054.1	1056.1	1070.1	1074.1	1070.1	1056.1	1054.1	1054.1	993.9	979.9	971.9
57.5°	985.9	985.9	995.9	995.9	995.9	985.9	985.9	982.0	923.8	911.7	907.8
60°	907.8	911.7	919.8	917.8	919.8	911.7	907.8	903.8	853.7	845.6	831.7
62.5°	825.6	829.7	831.7	827.6	831.7	829.7	825.6	813.6	783.6	777.5	759.4
65°	739.4	743.4	745.4	741.4	745.4	743.4	739.4	733.5	711.3	701.4	685.3
67.5°	651.3	649.3	647.3	655.3	647.3	649.3	651.3	643.2	629.3	621.2	599.2
70°	561.0	561.0	559.1	563.1	559.1	561.0	561.0	555.1	547.1	541.0	521.0
72.5°	464.9	462.9	470.9	464.9	470.9	462.9	464.9	462.9	458.9	452.9	432.9
75°	370.7	374.7	370.7	376.7	370.7	374.7	370.7	372.7	370.7	366.7	352.7
77.5°	282.6	286.5	282.6	282.6	282.6	286.5	282.6	284.6	284.6	284.6	272.5
80°	200.4	198.4	198.4	196.4	198.4	198.4	200.4	200.4	202.4	198.4	194.4
82.5°	128.3	126.3	126.3	130.3	126.3	126.3	128.3	130.3	126.3	126.3	126.3
85°	70.1	72.1	68.1	68.1	68.1	72.1	70.1	66.1	70.1	70.1	68.1
87.5°	26.1	24.0	24.0	24.0	24.0	24.0	26.1	28.1	28.1	28.1	30.1
90°	35.2	35.2	35.2	35.2	35.2	35.2	35.2	46.9	62.5	70.4	60.6
92.5°	176.0	169.0	141.0	113.0	141.0	169.0	176.0	249.5	347.4	396.4	348.0
95°	597.4	576.2	491.4	406.7	491.4	576.2	597.4	784.5	1034.0	1158.7	978.7
97.5°	1379.2	1338.8	1177.5	1016.1	1177.5	1338.8	1379.2	1497.4	1655.1	1733.9	1433.6
100°	1936.8	1888.7	1696.5	1504.3	1696.5	1888.7	1936.8	1928.2	1916.6	1910.8	1577.6
102.5°	2412.9	2371.8	2207.0	2042.4	2207.0	2371.8	2412.9	2262.2	2061.3	1960.9	1622.9
105°	2968.7	2946.6	2858.0	2769.5	2858.0	2946.6	2968.7	2630.9	2180.5	1955.3	1628.1
107.5°	3257.6	3263.0	3284.4	3305.8	3284.4	3263.0	3257.6	2786.5	2158.3	1844.2	1555.7
110°	3331.7	3354.7	3447.0	3539.2	3447.0	3354.7	3331.7	2805.0	2102.8	1751.6	1491.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3284.5	3319.9	3461.5	3603.1	3461.5	3319.9	3284.5	2745.5	2026.7	1667.3	1435.3
115°	3124.3	3173.4	3369.7	3566.1	3369.7	3173.4	3124.3	2604.9	1912.5	1566.3	1371.0
117.5°	2902.8	2957.3	3175.0	3392.9	3175.0	2957.3	2902.8	2434.1	1809.2	1496.8	1330.7
120°	2753.7	2806.6	3018.3	3229.8	3018.3	2806.6	2753.7	2325.5	1754.5	1469.0	1317.1
122.5°	2604.6	2656.8	2865.5	3074.3	2865.5	2656.8	2604.6	2219.0	1704.8	1447.7	1310.0
125°	2407.3	2455.4	2647.7	2839.9	2647.7	2455.4	2407.3	2079.7	1643.0	1424.6	1304.2
127.5°	2249.0	2289.5	2451.8	2613.9	2451.8	2289.5	2249.0	1967.7	1592.7	1405.2	1300.8
130°	2148.9	2186.3	2336.2	2486.1	2336.2	2186.3	2148.9	1898.5	1564.6	1397.7	1302.8
132.5°	2063.7	2097.3	2231.4	2365.7	2231.4	2097.3	2063.7	1839.5	1540.6	1391.2	1304.2
135°	1943.3	1972.2	2087.9	2203.6	2087.9	1972.2	1943.3	1755.5	1505.3	1380.2	1303.0
137.5°	1854.4	1878.1	1972.7	2067.4	1972.7	1878.1	1854.4	1695.7	1484.0	1378.3	1310.9
140°	1783.0	1805.2	1893.7	1982.1	1893.7	1805.2	1783.0	1646.0	1463.2	1371.8	1312.3
142.5°	1733.0	1752.1	1828.3	1904.4	1828.3	1752.1	1733.0	1612.6	1452.1	1371.8	1317.0
145°	1658.0	1672.5	1730.1	1787.6	1730.1	1672.5	1658.0	1559.5	1428.2	1362.5	1317.0
147.5°	1595.0	1606.9	1654.7	1702.5	1654.7	1606.9	1595.0	1517.5	1414.2	1362.5	1326.1
150°	1558.8	1568.5	1607.2	1646.0	1607.2	1568.5	1558.8	1493.4	1406.2	1362.5	1330.9
152.5°	1530.2	1537.4	1566.7	1595.9	1566.7	1537.4	1530.2	1474.3	1399.8	1362.5	1333.9
155°	1495.9	1500.8	1520.1	1539.4	1520.1	1500.8	1495.9	1451.5	1392.2	1362.5	1340.7
157.5°	1466.2	1469.6	1483.2	1496.8	1483.2	1469.6	1466.2	1431.7	1385.5	1362.5	1347.5
160°	1451.5	1453.5	1461.2	1469.0	1461.2	1453.5	1451.5	1421.8	1382.2	1362.5	1350.6
162.5°	1437.5	1439.4	1446.8	1454.3	1446.8	1439.4	1437.5	1412.5	1379.2	1362.5	1353.9
165°	1416.2	1418.2	1426.0	1433.8	1426.0	1418.2	1416.2	1398.3	1374.5	1362.5	1358.6
167.5°	1406.9	1407.7	1411.1	1414.4	1411.1	1407.7	1406.9	1395.2	1379.6	1371.8	1368.5
170°	1406.9	1406.9	1406.9	1406.9	1406.9	1406.9	1406.9	1395.2	1379.6	1371.8	1371.6
172.5°	1399.6	1398.9	1396.0	1393.1	1396.0	1398.9	1399.6	1390.3	1378.0	1371.8	1371.8
175°	1389.4	1389.4	1389.4	1389.4	1389.4	1389.4	1389.4	1383.5	1375.7	1371.8	1373.7
177.5°	1387.5	1386.7	1383.4	1380.2	1383.4	1386.7	1387.5	1382.9	1376.8	1373.7	1375.1
180°	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2118.1	2118.1	2118.1	2118.1	2118.1
2.5°	2092.1	2102.1	2108.1	2116.1	2136.1
5°	2011.9	2050.0	2062.0	2092.1	2128.2
7.5°	1835.6	1951.8	1983.8	2056.0	2112.1
10°	1665.2	1781.4	1837.6	2007.9	2092.1
12.5°	1579.1	1647.2	1685.3	1923.8	2064.0
15°	1525.0	1573.1	1601.2	1811.5	2031.9
17.5°	1482.8	1517.0	1537.0	1701.4	1987.9
20°	1456.8	1472.9	1490.9	1621.2	1937.8
22.5°	1438.8	1428.8	1442.8	1565.0	1869.7
25°	1426.8	1388.7	1404.8	1521.0	1789.5
27.5°	1436.8	1352.7	1358.6	1480.9	1705.4
30°	1438.8	1308.5	1310.5	1438.8	1611.1
32.5°	1424.8	1262.4	1264.4	1386.7	1505.0
35°	1390.7	1208.3	1206.4	1326.6	1360.6
37.5°	1344.6	1150.3	1150.3	1260.4	1202.4
40°	1288.5	1092.1	1098.2	1174.3	1062.0
42.5°	1220.4	1030.0	1038.0	1060.0	957.9
45°	1146.2	969.9	975.9	895.7	877.7
47.5°	1064.0	907.8	909.7	743.4	851.7
50°	965.9	843.6	835.6	637.2	849.7
52.5°	879.7	773.5	749.5	577.1	771.5
55°	795.5	699.4	647.3	531.1	715.4
57.5°	721.4	603.2	553.1	476.9	703.4
60°	653.3	509.0	470.9	418.8	645.3
62.5°	597.2	438.8	430.9	378.8	585.2
65°	537.0	390.7	388.7	344.7	497.0
67.5°	479.0	358.7	356.7	312.6	378.8
70°	416.8	324.6	320.6	278.6	280.6
72.5°	352.7	286.5	282.6	250.5	232.5
75°	288.5	242.4	240.4	218.4	188.3
77.5°	226.5	192.3	196.4	176.4	138.2
80°	162.3	140.2	144.3	126.3	104.2
82.5°	108.2	92.2	96.2	80.2	70.1
85°	60.2	52.1	54.1	42.1	32.1
87.5°	28.1	24.0	24.0	16.0	10.1
90°	40.7	25.9	24.0	16.6	9.3
92.5°	251.3	178.8	163.0	100.0	37.1
95°	618.4	348.3	319.5	204.2	88.9
97.5°	833.1	382.6	357.2	255.5	153.8
100°	911.1	411.2	388.2	296.0	203.8
102.5°	946.9	439.9	418.4	332.5	246.4
105°	973.5	482.6	464.3	391.5	318.6
107.5°	978.5	545.6	528.6	460.6	392.7
110°	971.0	580.8	565.4	504.1	442.7



TEST NUMBER: P934677

CATALOG NUMBER: SQ4-FA-075U-050D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	971.4	623.4	608.8	550.3	491.8
115°	980.3	687.2	673.8	619.8	565.9
117.5°	998.5	749.3	737.0	688.1	639.1
120°	1013.3	785.4	773.9	727.9	681.8
122.5°	1034.6	828.1	816.4	769.9	723.4
125°	1063.3	882.8	872.2	829.8	787.3
127.5°	1092.1	935.5	924.9	882.1	839.2
130°	1113.0	970.7	959.1	913.1	867.0
132.5°	1130.0	999.4	987.8	941.8	895.7
135°	1148.6	1032.8	1022.3	980.3	938.3
137.5°	1176.4	1075.4	1065.0	1023.4	981.9
140°	1193.3	1104.1	1094.5	1056.2	1017.9
142.5°	1207.6	1125.4	1116.5	1081.2	1045.7
145°	1226.1	1157.8	1150.1	1119.2	1088.3
147.5°	1253.3	1198.6	1191.1	1161.0	1131.0
150°	1267.4	1219.9	1213.1	1185.9	1158.7
152.5°	1276.7	1233.7	1228.6	1208.0	1187.4
155°	1297.1	1264.3	1260.5	1245.3	1230.1
157.5°	1317.4	1294.9	1291.2	1276.4	1261.5
160°	1326.8	1308.8	1306.0	1294.4	1282.8
162.5°	1336.5	1323.6	1321.4	1312.8	1304.2
165°	1350.8	1344.9	1342.9	1335.1	1327.4
167.5°	1361.9	1357.0	1356.1	1352.3	1348.6
170°	1371.2	1370.9	1370.0	1366.2	1362.5
172.5°	1371.8	1371.8	1371.6	1370.7	1369.9
175°	1377.4	1380.2	1380.2	1380.2	1380.2
177.5°	1378.0	1380.2	1380.2	1380.2	1380.2
180°	1380.2	1380.2	1380.2	1380.2	1380.2



TEST NUMBER: P934677
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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	10.13	10.89	11.18	11.95	13.38	12.98	13.74	14.03	14.80	16.23
	3H	10.60	11.28	11.66	12.35	13.80	14.32	15.01	15.39	16.07	17.52
	4H	10.78	11.43	11.86	12.50	13.96	14.77	15.41	15.84	16.48	17.94
	6H	10.90	11.49	11.98	12.56	14.03	15.05	15.65	16.14	16.72	18.19
	8H	10.89	11.46	11.98	12.55	14.01	15.13	15.69	16.21	16.78	18.25
	12H	10.86	11.40	11.95	12.48	13.97	15.16	15.70	16.26	16.79	18.27
4H	2H	11.15	11.80	12.23	12.87	14.33	13.37	14.02	14.46	15.09	16.55
	3H	12.17	12.71	13.26	13.81	15.28	14.88	15.42	15.97	16.51	17.98
	4H	12.44	12.94	13.54	14.02	15.51	15.41	15.90	16.50	16.99	18.48
	6H	12.56	12.99	13.66	14.10	15.58	15.77	16.20	16.87	17.30	18.79
	8H	12.56	12.96	13.67	14.06	15.56	15.88	16.27	16.98	17.38	18.88
	12H	12.53	12.89	13.65	14.00	15.51	15.93	16.29	17.05	17.41	18.91
8H	4H	12.89	13.29	13.99	14.39	15.89	15.52	15.92	16.62	17.02	18.52
	6H	13.15	13.48	14.27	14.62	16.12	15.96	16.29	17.08	17.43	18.93
	8H	13.19	13.48	14.32	14.60	16.12	16.11	16.40	17.24	17.52	19.04
	12H	13.17	13.42	14.30	14.54	16.10	16.21	16.46	17.35	17.58	19.14
12H	4H	12.89	13.25	14.01	14.37	15.87	15.48	15.84	16.60	16.95	18.46
	6H	13.21	13.50	14.34	14.62	16.14	15.96	16.24	17.09	17.37	18.88
	8H	13.27	13.52	14.41	14.64	16.20	16.12	16.37	17.25	17.49	19.04