

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: P935146

Luminaire Tested: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-8-4000K

Issue Date: 12/17/2024

**Test Information**

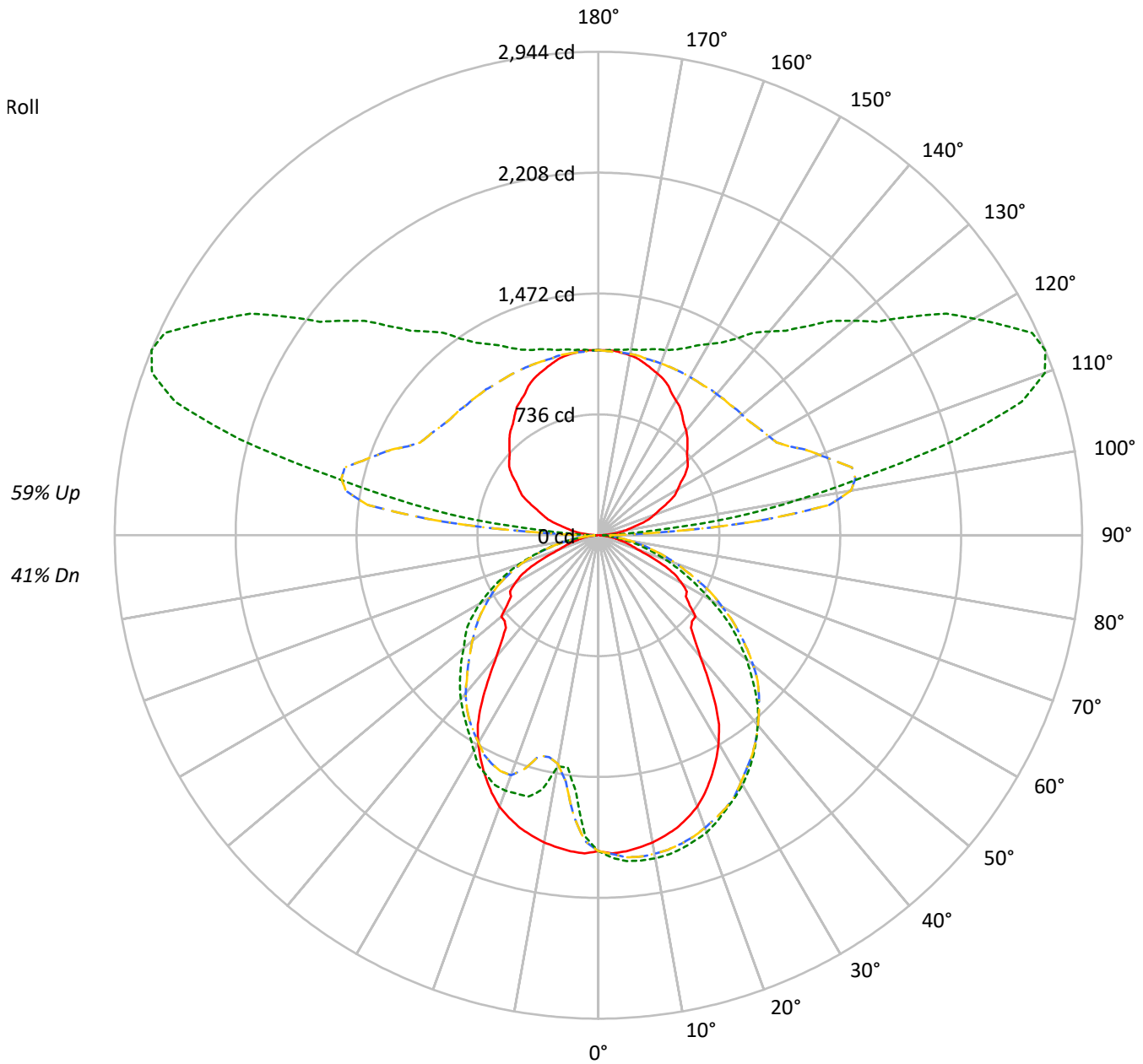
Test Method: LM-79-2019  
Report Number: P935146  
REPORT IS A COMBINATION OF REPORTS P933744 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-8-4000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12299.2 lumens  
Efficiency: N/A  
Efficacy: 125.0 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')  
CIE Type: General Diffuse  
  
Input Watts (W): 98.4  
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

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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	105	105	105	105	96	96	96	96	78	78	78	62	62	62	47	47	47	47	47	47	41
1	96	91	88	84	87	83	80	77	68	66	64	55	53	52	42	41	40	40	40	40	34
2	87	80	74	69	79	73	68	63	60	56	53	48	45	43	37	35	34	34	34	34	29
3	79	70	63	57	72	64	58	53	53	48	45	42	39	37	33	31	29	29	29	29	24
4	73	62	54	48	66	57	50	45	47	42	38	38	34	31	29	27	25	25	25	25	21
5	67	55	47	41	60	51	44	38	42	37	33	34	30	27	26	24	22	22	22	22	18
6	61	49	41	36	56	45	38	33	38	32	28	31	27	24	24	21	19	19	19	19	16
7	57	45	37	31	51	41	34	29	34	29	25	28	24	21	22	19	17	17	17	17	14
8	52	40	33	27	48	37	30	26	31	26	22	25	21	18	20	17	15	15	15	15	13
9	49	37	29	24	44	34	27	23	28	23	20	23	19	17	18	16	13	13	13	13	11
10	46	34	26	22	41	31	25	20	26	21	18	21	18	15	17	14	12	12	12	12	10

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	8922	8922	8922	8922
5°	8988	9006	8988	7081
10°	8928	8871	8928	6342
15°	8831	8679	8831	7247
20°	8646	8451	8646	7262
25°	8268	8119	8268	7108
30°	7780	7843	7780	6771
35°	6935	7495	6935	6399
40°	5779	7084	5779	6118
45°	5164	6603	5164	5796
50°	5486	6030	5486	5472
55°	5162	5413	5162	5285
60°	5321	4598	5321	4840
65°	4824	3801	4824	4248
70°	3340	3029	3340	3561
75°	2929	2239	2929	2681
80°	2360	1480	2360	1612
85°	1355	784	1355	667

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 7914 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	173.6	1.4
10°-20°	492.8	4.0
20°-30°	761.8	6.2
30°-40°	909.4	7.4
40°-50°	914.8	7.4
50°-60°	796.0	6.5
60°-70°	564.4	4.6
70°-80°	298.6	2.4
80°-90°	78.7	0.6
90°-100°	549.6	4.5
100°-110°	1444.9	11.7
110°-120°	1498.2	12.2
120°-130°	1201.8	9.8
130°-140°	943.0	7.7
140°-150°	723.8	5.9
150°-160°	521.2	4.2
160°-170°	318.9	2.6
170°-180°	107.7	0.9
0°-30°	1428.2	11.6
0°-40°	2337.6	19.0
0°-60°	4048.4	32.9
0°-90°	4990.0	40.6
90°-120°	3492.8	28.4
90°-150°	6361.3	51.7
90°-180°	7309.0	59.4
0°-180°	12299.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1923	1923	1923	1923	1923	
5°	1932	1992	1932	1566	1932	183
15°	1845	1974	1845	1648	1845	519
25°	1624	1841	1624	1612	1624	746
35°	1235	1643	1235	1403	1235	764
45°	797	1353	797	1188	797	638
55°	650	999	650	975	650	597
65°	451	602	451	673	451	431
75°	171	286	171	342	171	180
85°	29	73	29	62	29	39
90°	8	29	8	29	8	7
95°	73	332	73	332	73	81
105°	260	2262	260	2262	260	276
115°	462	2913	462	2913	462	457
125°	643	2320	643	2320	643	571
135°	767	1800	767	1800	767	593
145°	889	1460	889	1460	889	557
155°	1005	1258	1005	1258	1005	462
165°	1084	1171	1084	1171	1084	306
175°	1128	1135	1128	1135	1128	107
180°	1128	1128	1128	1128	1128	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9
2.5°	1939.3	1939.3	1950.2	1953.8	1953.8	1948.4	1942.9	1948.4	1964.7	1970.2	1968.4
5°	1932.0	1946.5	1966.5	1970.2	1973.8	1972.0	1968.4	1972.0	1990.2	1993.8	1995.7
7.5°	1917.4	1944.7	1970.2	1975.6	1981.1	1975.6	1973.8	1977.5	1995.7	1999.3	1999.3
10°	1899.2	1937.4	1966.5	1970.2	1975.6	1970.2	1970.2	1977.5	1995.7	1999.3	2001.1
12.5°	1873.8	1926.5	1953.8	1957.4	1964.7	1962.9	1961.1	1968.4	1986.6	1990.2	1990.2
15°	1844.7	1906.5	1932.0	1935.6	1948.4	1944.7	1944.7	1952.0	1972.0	1977.5	1975.6
17.5°	1804.6	1881.0	1910.1	1915.6	1924.7	1922.9	1924.7	1932.0	1950.2	1953.8	1955.6
20°	1759.1	1846.5	1881.0	1886.5	1895.6	1895.6	1895.6	1904.7	1922.9	1930.2	1930.2
22.5°	1697.3	1810.1	1846.5	1850.1	1861.0	1861.0	1864.7	1877.4	1893.8	1895.6	1895.6
25°	1624.5	1770.1	1801.0	1811.9	1822.8	1828.3	1833.7	1841.0	1846.5	1844.7	1846.5
27.5°	1548.1	1719.1	1759.1	1766.4	1781.0	1786.4	1793.7	1795.5	1797.4	1802.8	1799.2
30°	1462.6	1648.2	1708.2	1715.5	1739.1	1742.8	1735.5	1739.1	1748.2	1751.9	1755.5
32.5°	1366.2	1542.7	1655.4	1671.8	1693.7	1682.7	1680.9	1686.4	1700.9	1700.9	1704.6
35°	1235.2	1460.8	1606.3	1620.9	1637.3	1624.5	1631.8	1633.6	1642.7	1648.2	1646.4
37.5°	1091.5	1389.8	1555.4	1566.3	1579.0	1562.7	1573.6	1579.0	1586.3	1582.7	1582.7
40°	964.2	1278.9	1495.4	1502.6	1513.5	1500.8	1511.7	1515.4	1519.0	1515.4	1513.5
42.5°	869.6	1157.0	1431.7	1440.8	1433.5	1442.6	1446.2	1453.5	1448.1	1440.8	1440.8
45°	796.8	1124.2	1362.5	1373.5	1362.5	1377.1	1382.6	1382.6	1366.2	1362.5	1360.7
47.5°	773.2	1058.8	1293.4	1293.4	1288.0	1306.1	1315.2	1302.5	1286.1	1280.7	1280.7
50°	771.4	986.0	1198.8	1191.5	1217.0	1238.8	1229.7	1217.0	1204.3	1184.3	1184.3
52.5°	700.4	896.9	1077.0	1104.2	1144.2	1157.0	1142.4	1129.7	1107.8	1098.8	1091.5
55°	649.5	804.1	966.0	1020.6	1062.5	1078.8	1051.5	1038.8	1006.1	1000.6	997.0
57.5°	638.6	669.5	864.2	933.3	984.2	982.4	966.0	942.4	915.1	909.6	907.8
60°	585.8	483.9	755.0	836.9	889.6	884.2	869.6	847.8	822.3	818.7	815.0
62.5°	531.2	351.1	631.3	724.1	798.7	796.8	784.1	751.4	733.2	724.1	716.8
65°	451.2	294.7	449.4	602.2	709.5	713.2	685.9	662.2	642.2	631.3	629.5
67.5°	343.8	240.1	303.8	502.1	624.0	620.4	585.8	574.9	549.4	544.0	533.0
70°	254.7	160.1	211.0	407.5	540.3	531.2	503.9	491.2	467.6	454.8	447.5
72.5°	211.0	129.2	154.6	316.6	454.8	443.9	420.3	405.7	385.7	374.8	367.5
75°	171.0	136.4	118.3	234.7	369.3	362.0	340.2	325.7	309.3	294.7	296.5
77.5°	125.5	127.3	94.6	172.8	292.9	282.0	269.3	251.1	243.8	229.2	229.2
80°	94.6	100.1	71.0	118.3	211.0	211.0	200.1	187.4	174.7	167.4	167.4
82.5°	63.7	63.7	52.8	74.6	143.7	138.3	131.0	127.3	120.1	116.4	116.4
85°	29.1	36.4	32.7	45.5	78.2	81.9	81.9	78.2	76.4	72.8	74.6
87.5°	9.1	16.4	20.0	25.5	40.0	41.8	43.7	43.7	43.7	45.5	45.5
90°	7.5	13.6	19.6	21.2	33.3	49.4	57.5	51.1	38.3	28.7	28.7
92.5°	30.3	81.8	133.3	146.1	205.3	284.4	323.8	283.8	203.8	143.8	138.1
95°	72.7	166.8	261.0	284.5	505.2	799.5	946.7	844.8	640.9	488.1	470.8
97.5°	125.6	208.7	291.8	312.6	680.6	1171.2	1416.6	1352.2	1223.4	1126.8	1093.8
100°	166.5	241.8	317.2	336.0	744.4	1288.9	1561.1	1565.8	1575.2	1582.3	1543.0
102.5°	201.3	271.5	341.8	359.4	773.6	1325.8	1602.0	1684.0	1848.2	1971.3	1937.6
105°	260.3	319.8	379.3	394.2	795.3	1330.1	1597.4	1781.3	2149.3	2425.3	2407.2
107.5°	320.8	376.3	431.8	445.7	799.4	1270.9	1506.6	1763.2	2276.5	2661.3	2665.7
110°	361.7	411.8	461.9	474.5	793.3	1218.4	1430.9	1717.8	2291.6	2721.9	2740.7



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	401.8	449.5	497.4	509.3	793.6	1172.6	1362.1	1655.7	2242.9	2683.3	2712.3
115°	462.4	506.4	550.5	561.5	800.8	1120.0	1279.6	1562.5	2128.2	2552.4	2592.6
117.5°	522.1	562.2	602.2	612.2	815.8	1087.1	1222.8	1478.1	1988.6	2371.5	2416.0
120°	557.0	594.6	632.3	641.7	827.9	1076.1	1200.2	1433.4	1899.9	2249.7	2292.9
122.5°	591.0	629.0	667.0	676.5	845.2	1070.2	1182.7	1392.7	1812.8	2127.9	2170.6
125°	643.2	677.9	712.5	721.2	868.7	1065.5	1163.8	1342.3	1699.1	1966.7	2006.0
127.5°	685.6	720.5	755.5	764.3	892.2	1062.7	1148.0	1301.1	1607.5	1837.3	1870.4
130°	708.2	745.9	783.6	793.0	909.3	1064.4	1141.9	1278.2	1551.0	1755.6	1786.2
132.5°	731.7	769.4	807.0	816.5	923.2	1065.5	1136.6	1258.7	1502.8	1685.9	1713.3
135°	766.6	800.8	835.2	843.8	938.4	1064.5	1127.5	1229.7	1434.2	1587.6	1611.2
137.5°	802.1	836.0	870.1	878.5	961.0	1071.0	1125.9	1212.4	1385.3	1514.9	1534.3
140°	831.6	862.9	894.2	902.0	974.9	1072.1	1120.7	1195.4	1344.7	1456.7	1474.8
142.5°	854.3	883.3	912.2	919.4	986.5	1075.9	1120.7	1186.3	1317.4	1415.8	1431.4
145°	889.2	914.4	939.7	945.9	1001.7	1076.0	1113.1	1166.8	1274.0	1354.5	1366.3
147.5°	923.9	948.5	973.0	979.2	1023.9	1083.4	1113.1	1155.3	1239.7	1303.1	1312.8
150°	946.7	968.9	991.0	996.6	1035.4	1087.2	1113.1	1148.8	1220.1	1273.6	1281.5
152.5°	970.1	987.0	1003.8	1008.0	1043.0	1089.7	1113.1	1143.6	1204.5	1250.1	1256.1
155°	1004.9	1017.3	1029.8	1032.9	1059.6	1095.3	1113.1	1137.3	1185.8	1222.1	1226.0
157.5°	1030.6	1042.7	1054.9	1057.9	1076.3	1100.8	1113.1	1132.0	1169.6	1197.9	1200.6
160°	1048.1	1057.5	1066.9	1069.3	1083.9	1103.4	1113.1	1129.3	1161.6	1185.8	1187.4
162.5°	1065.5	1072.6	1079.6	1081.4	1091.9	1106.0	1113.1	1126.8	1154.0	1174.4	1176.0
165°	1084.4	1090.7	1097.1	1098.8	1103.6	1109.9	1113.1	1122.9	1142.4	1157.1	1158.7
167.5°	1101.8	1104.8	1107.8	1108.6	1112.6	1117.9	1120.7	1127.0	1139.9	1149.4	1150.1
170°	1113.1	1116.1	1119.2	1119.9	1120.2	1120.5	1120.7	1127.0	1139.9	1149.4	1149.4
172.5°	1119.2	1119.9	1120.5	1120.7	1120.7	1120.7	1120.7	1125.8	1135.9	1143.4	1142.9
175°	1127.5	1127.5	1127.5	1127.5	1125.2	1122.2	1120.7	1123.9	1130.2	1135.0	1135.0
177.5°	1127.5	1127.5	1127.5	1127.5	1125.8	1123.4	1122.2	1124.8	1129.8	1133.6	1133.0
180°	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9
2.5°	1972.0	1966.5	1972.0	1968.4	1970.2	1964.7	1948.4	1942.9	1948.4	1953.8	1953.8
5°	1995.7	1992.0	1995.7	1995.7	1993.8	1990.2	1972.0	1968.4	1972.0	1973.8	1970.2
7.5°	2002.9	1997.5	2002.9	1999.3	1999.3	1995.7	1977.5	1973.8	1975.6	1981.1	1975.6
10°	2002.9	1997.5	2002.9	2001.1	1999.3	1995.7	1977.5	1970.2	1970.2	1975.6	1970.2
12.5°	1993.8	1990.2	1993.8	1990.2	1990.2	1986.6	1968.4	1961.1	1962.9	1964.7	1957.4
15°	1979.3	1973.8	1979.3	1975.6	1977.5	1972.0	1952.0	1944.7	1944.7	1948.4	1935.6
17.5°	1957.4	1950.2	1957.4	1955.6	1953.8	1950.2	1932.0	1924.7	1922.9	1924.7	1915.6
20°	1932.0	1926.5	1932.0	1930.2	1930.2	1922.9	1904.7	1895.6	1895.6	1895.6	1886.5
22.5°	1892.0	1886.5	1892.0	1895.6	1895.6	1893.8	1877.4	1864.7	1861.0	1861.0	1850.1
25°	1846.5	1841.0	1846.5	1846.5	1844.7	1846.5	1841.0	1833.7	1828.3	1822.8	1811.9
27.5°	1802.8	1799.2	1802.8	1799.2	1802.8	1797.4	1795.5	1793.7	1786.4	1781.0	1766.4
30°	1759.1	1755.5	1759.1	1755.5	1751.9	1748.2	1739.1	1735.5	1742.8	1739.1	1715.5
32.5°	1704.6	1700.9	1704.6	1704.6	1700.9	1700.9	1686.4	1680.9	1682.7	1693.7	1671.8
35°	1648.2	1642.7	1648.2	1646.4	1648.2	1642.7	1633.6	1631.8	1624.5	1637.3	1620.9
37.5°	1582.7	1577.2	1582.7	1582.7	1582.7	1586.3	1579.0	1573.6	1562.7	1579.0	1566.3
40°	1515.4	1508.1	1515.4	1513.5	1515.4	1519.0	1515.4	1511.7	1500.8	1513.5	1502.6
42.5°	1439.0	1437.1	1439.0	1440.8	1440.8	1448.1	1453.5	1446.2	1442.6	1433.5	1440.8
45°	1357.1	1353.4	1357.1	1360.7	1362.5	1366.2	1382.6	1382.6	1377.1	1362.5	1373.5
47.5°	1269.8	1260.7	1269.8	1280.7	1280.7	1286.1	1302.5	1315.2	1306.1	1288.0	1293.4
50°	1177.0	1178.8	1177.0	1184.3	1184.3	1204.3	1217.0	1229.7	1238.8	1217.0	1191.5
52.5°	1086.0	1084.3	1086.0	1091.5	1098.8	1107.8	1129.7	1142.4	1157.0	1144.2	1104.2
55°	995.1	998.8	995.1	997.0	1000.6	1006.1	1038.8	1051.5	1078.8	1062.5	1020.6
57.5°	904.2	898.7	904.2	907.8	909.6	915.1	942.4	966.0	982.4	984.2	933.3
60°	798.7	791.4	798.7	815.0	818.7	822.3	847.8	869.6	884.2	889.6	836.9
62.5°	705.9	693.1	705.9	716.8	724.1	733.2	751.4	784.1	796.8	798.7	724.1
65°	607.6	602.2	607.6	629.5	631.3	642.2	662.2	685.9	713.2	709.5	602.2
67.5°	518.5	518.5	518.5	533.0	544.0	549.4	574.9	585.8	620.4	624.0	502.1
70°	436.6	434.8	436.6	447.5	454.8	467.6	491.2	503.9	531.2	540.3	407.5
72.5°	358.4	356.6	358.4	367.5	374.8	385.7	405.7	420.3	443.9	454.8	316.6
75°	289.3	285.6	289.3	296.5	294.7	309.3	325.7	340.2	362.0	369.3	234.7
77.5°	222.0	222.0	222.0	229.2	229.2	243.8	251.1	269.3	282.0	292.9	172.8
80°	165.6	163.7	165.6	167.4	167.4	174.7	187.4	200.1	211.0	211.0	118.3
82.5°	116.4	112.8	116.4	116.4	116.4	120.1	127.3	131.0	138.3	143.7	74.6
85°	72.8	72.8	72.8	74.6	72.8	76.4	78.2	81.9	81.9	78.2	45.5
87.5°	47.3	45.5	47.3	45.5	45.5	43.7	43.7	43.7	41.8	40.0	25.5
90°	28.7	28.7	28.7	28.7	28.7	38.3	51.1	57.5	49.4	33.3	21.2
92.5°	115.3	92.3	115.3	138.1	143.8	203.8	283.8	323.8	284.4	205.3	146.1
95°	401.5	332.2	401.5	470.8	488.1	640.9	844.8	946.7	799.5	505.2	284.5
97.5°	961.9	830.1	961.9	1093.8	1126.8	1223.4	1352.2	1416.6	1171.2	680.6	312.6
100°	1386.0	1228.9	1386.0	1543.0	1582.3	1575.2	1565.8	1561.1	1288.9	744.4	336.0
102.5°	1803.1	1668.5	1803.1	1937.6	1971.3	1848.2	1684.0	1602.0	1325.8	773.6	359.4
105°	2334.9	2262.5	2334.9	2407.2	2425.3	2149.3	1781.3	1597.4	1330.1	795.3	394.2
107.5°	2683.2	2700.7	2683.2	2665.7	2661.3	2276.5	1763.2	1506.6	1270.9	799.4	445.7
110°	2816.1	2891.4	2816.1	2740.7	2721.9	2291.6	1717.8	1430.9	1218.4	793.3	474.5





TEST NUMBER: P935146

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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2827.9	2943.6	2827.9	2712.3	2683.3	2242.9	1655.7	1362.1	1172.6	793.6	509.3
115°	2752.9	2913.4	2752.9	2592.6	2552.4	2128.2	1562.5	1279.6	1120.0	800.8	561.5
117.5°	2593.9	2771.8	2593.9	2416.0	2371.5	1988.6	1478.1	1222.8	1087.1	815.8	612.2
120°	2465.8	2638.7	2465.8	2292.9	2249.7	1899.9	1433.4	1200.2	1076.1	827.9	641.7
122.5°	2341.0	2511.5	2341.0	2170.6	2127.9	1812.8	1392.7	1182.7	1070.2	845.2	676.5
125°	2163.0	2320.1	2163.0	2006.0	1966.7	1699.1	1342.3	1163.8	1065.5	868.7	721.2
127.5°	2002.9	2135.5	2002.9	1870.4	1837.3	1607.5	1301.1	1148.0	1062.7	892.2	764.3
130°	1908.6	2031.0	1908.6	1786.2	1755.6	1551.0	1278.2	1141.9	1064.4	909.3	793.0
132.5°	1823.0	1932.6	1823.0	1713.3	1685.9	1502.8	1258.7	1136.6	1065.5	923.2	816.5
135°	1705.8	1800.3	1705.8	1611.2	1587.6	1434.2	1229.7	1127.5	1064.5	938.4	843.8
137.5°	1611.6	1689.0	1611.6	1534.3	1514.9	1385.3	1212.4	1125.9	1071.0	961.0	878.5
140°	1547.0	1619.3	1547.0	1474.8	1456.7	1344.7	1195.4	1120.7	1072.1	974.9	902.0
142.5°	1493.6	1555.8	1493.6	1431.4	1415.8	1317.4	1186.3	1120.7	1075.9	986.5	919.4
145°	1413.4	1460.4	1413.4	1366.3	1354.5	1274.0	1166.8	1113.1	1076.0	1001.7	945.9
147.5°	1351.8	1390.8	1351.8	1312.8	1303.1	1239.7	1155.3	1113.1	1083.4	1023.9	979.2
150°	1313.1	1344.7	1313.1	1281.5	1273.6	1220.1	1148.8	1113.1	1087.2	1035.4	996.6
152.5°	1280.0	1303.8	1280.0	1256.1	1250.1	1204.5	1143.6	1113.1	1089.7	1043.0	1008.0
155°	1241.8	1257.7	1241.8	1226.0	1222.1	1185.8	1137.3	1113.1	1095.3	1059.6	1032.9
157.5°	1211.7	1222.8	1211.7	1200.6	1197.9	1169.6	1132.0	1113.1	1100.8	1076.3	1057.9
160°	1193.8	1200.2	1193.8	1187.4	1185.8	1161.6	1129.3	1113.1	1103.4	1083.9	1069.3
162.5°	1182.0	1188.1	1182.0	1176.0	1174.4	1154.0	1126.8	1113.1	1106.0	1091.9	1081.4
165°	1165.1	1171.4	1165.1	1158.7	1157.1	1142.4	1122.9	1113.1	1109.9	1103.6	1098.8
167.5°	1152.8	1155.5	1152.8	1150.1	1149.4	1139.9	1127.0	1120.7	1117.9	1112.6	1108.6
170°	1149.4	1149.4	1149.4	1149.4	1149.4	1139.9	1127.0	1120.7	1120.5	1120.2	1119.9
172.5°	1140.5	1138.1	1140.5	1142.9	1143.4	1135.9	1125.8	1120.7	1120.7	1120.7	1120.7
175°	1135.0	1135.0	1135.0	1135.0	1135.0	1130.2	1123.9	1120.7	1122.2	1125.2	1127.5
177.5°	1130.2	1127.5	1130.2	1133.0	1133.6	1129.8	1124.8	1122.2	1123.4	1125.8	1127.5
180°	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5



TEST NUMBER: P935146

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9
2.5°	1950.2	1939.3	1939.3	1921.1	1913.8	1908.3	1899.2	1871.9	1864.7	1857.4	1868.3
5°	1966.5	1946.5	1932.0	1899.2	1871.9	1861.0	1826.5	1761.0	1717.3	1684.6	1666.4
7.5°	1970.2	1944.7	1917.4	1866.5	1801.0	1771.9	1666.4	1546.3	1513.5	1484.4	1466.2
10°	1966.5	1937.4	1899.2	1822.8	1668.2	1617.2	1511.7	1433.5	1413.5	1408.0	1413.5
12.5°	1953.8	1926.5	1873.8	1746.4	1529.9	1495.4	1433.5	1388.0	1384.4	1393.5	1442.6
15°	1932.0	1906.5	1844.7	1644.5	1453.5	1428.0	1384.4	1368.0	1388.0	1451.7	1599.1
17.5°	1910.1	1881.0	1804.6	1544.5	1395.3	1377.1	1346.2	1378.9	1491.7	1577.2	1626.3
20°	1881.0	1846.5	1759.1	1471.7	1353.4	1337.1	1322.5	1469.9	1555.4	1586.3	1613.6
22.5°	1846.5	1810.1	1697.3	1420.8	1309.8	1297.1	1306.1	1520.8	1555.4	1577.2	1600.9
25°	1801.0	1770.1	1624.5	1380.7	1275.2	1260.7	1295.2	1515.4	1535.4	1540.8	1588.1
27.5°	1759.1	1719.1	1548.1	1344.4	1233.4	1227.9	1304.3	1491.7	1506.3	1511.7	1562.7
30°	1708.2	1648.2	1462.6	1306.1	1189.7	1187.9	1306.1	1462.6	1459.0	1473.5	1524.5
32.5°	1655.4	1542.7	1366.2	1258.8	1147.9	1146.1	1293.4	1418.9	1415.3	1435.3	1473.5
35°	1606.3	1460.8	1235.2	1204.3	1095.1	1096.9	1262.5	1368.0	1369.8	1388.0	1411.7
37.5°	1555.4	1389.8	1091.5	1144.2	1044.3	1044.3	1220.6	1320.7	1317.1	1322.5	1355.3
40°	1495.4	1278.9	964.2	1066.1	997.0	991.5	1169.7	1269.8	1257.0	1255.2	1300.7
42.5°	1431.7	1157.0	869.6	962.4	942.4	935.1	1107.8	1207.9	1184.3	1189.7	1247.9
45°	1362.5	1124.2	796.8	813.2	886.0	880.5	1040.6	1137.0	1120.6	1135.1	1195.2
47.5°	1293.4	1058.8	773.2	675.0	826.0	824.1	966.0	1067.9	1058.8	1073.4	1137.0
50°	1198.8	986.0	771.4	578.5	758.6	765.9	876.9	1000.6	1000.6	1013.3	1080.6
52.5°	1077.0	896.9	700.4	524.0	680.4	702.2	798.7	942.4	946.0	958.8	1018.8
55°	966.0	804.1	649.5	482.1	587.6	634.9	722.3	882.3	889.6	902.4	956.9
57.5°	864.2	669.5	638.6	433.0	502.1	547.6	654.9	824.1	827.8	838.7	891.4
60°	755.0	483.9	585.8	380.2	427.5	462.1	593.1	755.0	767.7	775.0	820.5
62.5°	631.3	351.1	531.2	343.8	391.1	398.4	542.1	689.5	705.9	711.3	738.6
65°	449.4	294.7	451.2	312.9	352.9	354.8	487.6	622.2	636.7	645.8	665.9
67.5°	303.8	240.1	343.8	283.8	323.8	325.7	434.8	544.0	564.0	571.3	584.0
70°	211.0	160.1	254.7	252.9	291.1	294.7	378.4	473.0	491.2	496.7	503.9
72.5°	154.6	129.2	211.0	227.4	256.5	260.2	320.2	393.0	411.2	416.6	420.3
75°	118.3	136.4	171.0	198.3	218.3	220.1	262.0	320.2	332.9	336.6	338.4
77.5°	94.6	127.3	125.5	160.1	178.3	174.7	205.6	247.4	258.3	258.3	258.3
80°	71.0	100.1	94.6	114.6	131.0	127.3	147.4	176.5	180.1	183.7	181.9
82.5°	52.8	63.7	63.7	72.8	87.3	83.7	98.2	114.6	114.6	114.6	118.3
85°	32.7	36.4	29.1	38.2	49.1	47.3	54.6	61.9	63.7	63.7	60.0
87.5°	20.0	16.4	9.1	14.6	21.8	21.8	25.5	27.3	25.5	25.5	25.5
90°	19.6	13.6	7.5	13.6	19.6	21.2	33.3	49.4	57.5	51.1	38.3
92.5°	133.3	81.8	30.3	81.8	133.3	146.1	205.3	284.4	323.8	283.8	203.8
95°	261.0	166.8	72.7	166.8	261.0	284.5	505.2	799.5	946.7	844.8	640.9
97.5°	291.8	208.7	125.6	208.7	291.8	312.6	680.6	1171.2	1416.6	1352.2	1223.4
100°	317.2	241.8	166.5	241.8	317.2	336.0	744.4	1288.9	1561.1	1565.8	1575.2
102.5°	341.8	271.5	201.3	271.5	341.8	359.4	773.6	1325.8	1602.0	1684.0	1848.2
105°	379.3	319.8	260.3	319.8	379.3	394.2	795.3	1330.1	1597.4	1781.3	2149.3
107.5°	431.8	376.3	320.8	376.3	431.8	445.7	799.4	1270.9	1506.6	1763.2	2276.5
110°	461.9	411.8	361.7	411.8	461.9	474.5	793.3	1218.4	1430.9	1717.8	2291.6



TEST NUMBER: P935146

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	497.4	449.5	401.8	449.5	497.4	509.3	793.6	1172.6	1362.1	1655.7	2242.9
115°	550.5	506.4	462.4	506.4	550.5	561.5	800.8	1120.0	1279.6	1562.5	2128.2
117.5°	602.2	562.2	522.1	562.2	602.2	612.2	815.8	1087.1	1222.8	1478.1	1988.6
120°	632.3	594.6	557.0	594.6	632.3	641.7	827.9	1076.1	1200.2	1433.4	1899.9
122.5°	667.0	629.0	591.0	629.0	667.0	676.5	845.2	1070.2	1182.7	1392.7	1812.8
125°	712.5	677.9	643.2	677.9	712.5	721.2	868.7	1065.5	1163.8	1342.3	1699.1
127.5°	755.5	720.5	685.6	720.5	755.5	764.3	892.2	1062.7	1148.0	1301.1	1607.5
130°	783.6	745.9	708.2	745.9	783.6	793.0	909.3	1064.4	1141.9	1278.2	1551.0
132.5°	807.0	769.4	731.7	769.4	807.0	816.5	923.2	1065.5	1136.6	1258.7	1502.8
135°	835.2	800.8	766.6	800.8	835.2	843.8	938.4	1064.5	1127.5	1229.7	1434.2
137.5°	870.1	836.0	802.1	836.0	870.1	878.5	961.0	1071.0	1125.9	1212.4	1385.3
140°	894.2	862.9	831.6	862.9	894.2	902.0	974.9	1072.1	1120.7	1195.4	1344.7
142.5°	912.2	883.3	854.3	883.3	912.2	919.4	986.5	1075.9	1120.7	1186.3	1317.4
145°	939.7	914.4	889.2	914.4	939.7	945.9	1001.7	1076.0	1113.1	1166.8	1274.0
147.5°	973.0	948.5	923.9	948.5	973.0	979.2	1023.9	1083.4	1113.1	1155.3	1239.7
150°	991.0	968.9	946.7	968.9	991.0	996.6	1035.4	1087.2	1113.1	1148.8	1220.1
152.5°	1003.8	987.0	970.1	987.0	1003.8	1008.0	1043.0	1089.7	1113.1	1143.6	1204.5
155°	1029.8	1017.3	1004.9	1017.3	1029.8	1032.9	1059.6	1095.3	1113.1	1137.3	1185.8
157.5°	1054.9	1042.7	1030.6	1042.7	1054.9	1057.9	1076.3	1100.8	1113.1	1132.0	1169.6
160°	1066.9	1057.5	1048.1	1057.5	1066.9	1069.3	1083.9	1103.4	1113.1	1129.3	1161.6
162.5°	1079.6	1072.6	1065.5	1072.6	1079.6	1081.4	1091.9	1106.0	1113.1	1126.8	1154.0
165°	1097.1	1090.7	1084.4	1090.7	1097.1	1098.8	1103.6	1109.9	1113.1	1122.9	1142.4
167.5°	1107.8	1104.8	1101.8	1104.8	1107.8	1108.6	1112.6	1117.9	1120.7	1127.0	1139.9
170°	1119.2	1116.1	1113.1	1116.1	1119.2	1119.9	1120.2	1120.5	1120.7	1127.0	1139.9
172.5°	1120.5	1119.9	1119.2	1119.9	1120.5	1120.7	1120.7	1120.7	1120.7	1125.8	1135.9
175°	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1125.2	1122.2	1120.7	1123.9	1130.2
177.5°	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1125.8	1123.4	1122.2	1124.8	1129.8
180°	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5



TEST NUMBER: P935146

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9	1922.9
2.5°	1855.6	1850.1	1857.4	1837.4	1857.4	1850.1	1855.6	1868.3	1857.4	1864.7	1871.9
5°	1628.2	1619.1	1590.0	1566.3	1590.0	1619.1	1628.2	1666.4	1684.6	1717.3	1761.0
7.5°	1455.3	1448.1	1440.8	1426.2	1440.8	1448.1	1455.3	1466.2	1484.4	1513.5	1546.3
10°	1417.1	1418.9	1429.9	1428.0	1429.9	1418.9	1417.1	1413.5	1408.0	1413.5	1433.5
12.5°	1515.4	1531.7	1591.8	1588.1	1591.8	1531.7	1515.4	1442.6	1393.5	1384.4	1388.0
15°	1628.2	1633.6	1646.4	1648.2	1646.4	1633.6	1628.2	1599.1	1451.7	1388.0	1368.0
17.5°	1639.1	1640.9	1650.0	1650.0	1650.0	1640.9	1639.1	1626.3	1577.2	1491.7	1378.9
20°	1630.0	1633.6	1651.8	1655.4	1651.8	1633.6	1630.0	1613.6	1586.3	1555.4	1469.9
22.5°	1626.3	1633.6	1648.2	1646.4	1648.2	1633.6	1626.3	1600.9	1577.2	1555.4	1520.8
25°	1608.1	1608.1	1610.0	1611.8	1610.0	1608.1	1608.1	1588.1	1540.8	1535.4	1515.4
27.5°	1569.9	1573.6	1584.5	1582.7	1584.5	1573.6	1569.9	1562.7	1511.7	1506.3	1491.7
30°	1535.4	1531.7	1522.6	1515.4	1522.6	1531.7	1535.4	1524.5	1473.5	1459.0	1462.6
32.5°	1477.2	1468.1	1459.0	1453.5	1459.0	1468.1	1477.2	1473.5	1435.3	1415.3	1418.9
35°	1408.0	1409.8	1408.0	1402.6	1408.0	1409.8	1408.0	1411.7	1388.0	1369.8	1368.0
37.5°	1358.9	1362.5	1360.7	1353.4	1360.7	1362.5	1358.9	1355.3	1322.5	1317.1	1320.7
40°	1308.0	1309.8	1308.0	1302.5	1308.0	1309.8	1308.0	1300.7	1255.2	1257.0	1269.8
42.5°	1258.8	1257.0	1251.6	1247.9	1251.6	1257.0	1258.8	1247.9	1189.7	1184.3	1207.9
45°	1202.4	1204.3	1193.4	1187.9	1193.4	1204.3	1202.4	1195.2	1135.1	1120.6	1137.0
47.5°	1146.1	1146.1	1137.0	1131.5	1137.0	1146.1	1146.1	1137.0	1073.4	1058.8	1067.9
50°	1086.0	1084.3	1071.6	1069.7	1071.6	1084.3	1086.0	1080.6	1013.3	1000.6	1000.6
52.5°	1017.0	1017.0	1018.8	1022.4	1018.8	1017.0	1017.0	1018.8	958.8	946.0	942.4
55°	956.9	958.8	971.5	975.1	971.5	958.8	956.9	956.9	902.4	889.6	882.3
57.5°	895.1	895.1	904.2	904.2	904.2	895.1	895.1	891.4	838.7	827.8	824.1
60°	824.1	827.8	835.0	833.2	835.0	827.8	824.1	820.5	775.0	767.7	755.0
62.5°	749.5	753.2	755.0	751.4	755.0	753.2	749.5	738.6	711.3	705.9	689.5
65°	671.3	675.0	676.8	673.1	676.8	675.0	671.3	665.9	645.8	636.7	622.2
67.5°	591.3	589.4	587.6	594.9	587.6	589.4	591.3	584.0	571.3	564.0	544.0
70°	509.4	509.4	507.6	511.2	507.6	509.4	509.4	503.9	496.7	491.2	473.0
72.5°	422.1	420.3	427.5	422.1	427.5	420.3	422.1	420.3	416.6	411.2	393.0
75°	336.6	340.2	336.6	342.0	336.6	340.2	336.6	338.4	336.6	332.9	320.2
77.5°	256.5	260.2	256.5	256.5	256.5	260.2	256.5	258.3	258.3	258.3	247.4
80°	181.9	180.1	180.1	178.3	180.1	180.1	181.9	181.9	183.7	180.1	176.5
82.5°	116.4	114.6	114.6	118.3	114.6	114.6	116.4	118.3	114.6	114.6	114.6
85°	63.7	65.5	61.9	61.9	61.9	65.5	63.7	60.0	63.7	63.7	61.9
87.5°	23.7	21.8	21.8	21.8	21.8	21.8	23.7	25.5	25.5	25.5	27.3
90°	28.7	28.7	28.7	28.7	28.7	28.7	28.7	38.3	51.1	57.5	49.4
92.5°	143.8	138.1	115.3	92.3	115.3	138.1	143.8	203.8	283.8	323.8	284.4
95°	488.1	470.8	401.5	332.2	401.5	470.8	488.1	640.9	844.8	946.7	799.5
97.5°	1126.8	1093.8	961.9	830.1	961.9	1093.8	1126.8	1223.4	1352.2	1416.6	1171.2
100°	1582.3	1543.0	1386.0	1228.9	1386.0	1543.0	1582.3	1575.2	1565.8	1561.1	1288.9
102.5°	1971.3	1937.6	1803.1	1668.5	1803.1	1937.6	1971.3	1848.2	1684.0	1602.0	1325.8
105°	2425.3	2407.2	2334.9	2262.5	2334.9	2407.2	2425.3	2149.3	1781.3	1597.4	1330.1
107.5°	2661.3	2665.7	2683.2	2700.7	2683.2	2665.7	2661.3	2276.5	1763.2	1506.6	1270.9
110°	2721.9	2740.7	2816.1	2891.4	2816.1	2740.7	2721.9	2291.6	1717.8	1430.9	1218.4



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2683.3	2712.3	2827.9	2943.6	2827.9	2712.3	2683.3	2242.9	1655.7	1362.1	1172.6
115°	2552.4	2592.6	2752.9	2913.4	2752.9	2592.6	2552.4	2128.2	1562.5	1279.6	1120.0
117.5°	2371.5	2416.0	2593.9	2771.8	2593.9	2416.0	2371.5	1988.6	1478.1	1222.8	1087.1
120°	2249.7	2292.9	2465.8	2638.7	2465.8	2292.9	2249.7	1899.9	1433.4	1200.2	1076.1
122.5°	2127.9	2170.6	2341.0	2511.5	2341.0	2170.6	2127.9	1812.8	1392.7	1182.7	1070.2
125°	1966.7	2006.0	2163.0	2320.1	2163.0	2006.0	1966.7	1699.1	1342.3	1163.8	1065.5
127.5°	1837.3	1870.4	2002.9	2135.5	2002.9	1870.4	1837.3	1607.5	1301.1	1148.0	1062.7
130°	1755.6	1786.2	1908.6	2031.0	1908.6	1786.2	1755.6	1551.0	1278.2	1141.9	1064.4
132.5°	1685.9	1713.3	1823.0	1932.6	1823.0	1713.3	1685.9	1502.8	1258.7	1136.6	1065.5
135°	1587.6	1611.2	1705.8	1800.3	1705.8	1611.2	1587.6	1434.2	1229.7	1127.5	1064.5
137.5°	1514.9	1534.3	1611.6	1689.0	1611.6	1534.3	1514.9	1385.3	1212.4	1125.9	1071.0
140°	1456.7	1474.8	1547.0	1619.3	1547.0	1474.8	1456.7	1344.7	1195.4	1120.7	1072.1
142.5°	1415.8	1431.4	1493.6	1555.8	1493.6	1431.4	1415.8	1317.4	1186.3	1120.7	1075.9
145°	1354.5	1366.3	1413.4	1460.4	1413.4	1366.3	1354.5	1274.0	1166.8	1113.1	1076.0
147.5°	1303.1	1312.8	1351.8	1390.8	1351.8	1312.8	1303.1	1239.7	1155.3	1113.1	1083.4
150°	1273.6	1281.5	1313.1	1344.7	1313.1	1281.5	1273.6	1220.1	1148.8	1113.1	1087.2
152.5°	1250.1	1256.1	1280.0	1303.8	1280.0	1256.1	1250.1	1204.5	1143.6	1113.1	1089.7
155°	1222.1	1226.0	1241.8	1257.7	1241.8	1226.0	1222.1	1185.8	1137.3	1113.1	1095.3
157.5°	1197.9	1200.6	1211.7	1222.8	1211.7	1200.6	1197.9	1169.6	1132.0	1113.1	1100.8
160°	1185.8	1187.4	1193.8	1200.2	1193.8	1187.4	1185.8	1161.6	1129.3	1113.1	1103.4
162.5°	1174.4	1176.0	1182.0	1188.1	1182.0	1176.0	1174.4	1154.0	1126.8	1113.1	1106.0
165°	1157.1	1158.7	1165.1	1171.4	1165.1	1158.7	1157.1	1142.4	1122.9	1113.1	1109.9
167.5°	1149.4	1150.1	1152.8	1155.5	1152.8	1150.1	1149.4	1139.9	1127.0	1120.7	1117.9
170°	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4	1139.9	1127.0	1120.7	1120.5
172.5°	1143.4	1142.9	1140.5	1138.1	1140.5	1142.9	1143.4	1135.9	1125.8	1120.7	1120.7
175°	1135.0	1135.0	1135.0	1135.0	1135.0	1135.0	1135.0	1130.2	1123.9	1120.7	1122.2
177.5°	1133.6	1133.0	1130.2	1127.5	1130.2	1133.0	1133.6	1129.8	1124.8	1122.2	1123.4
180°	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1922.9	1922.9	1922.9	1922.9	1922.9
2.5°	1899.2	1908.3	1913.8	1921.1	1939.3
5°	1826.5	1861.0	1871.9	1899.2	1932.0
7.5°	1666.4	1771.9	1801.0	1866.5	1917.4
10°	1511.7	1617.2	1668.2	1822.8	1899.2
12.5°	1433.5	1495.4	1529.9	1746.4	1873.8
15°	1384.4	1428.0	1453.5	1644.5	1844.7
17.5°	1346.2	1377.1	1395.3	1544.5	1804.6
20°	1322.5	1337.1	1353.4	1471.7	1759.1
22.5°	1306.1	1297.1	1309.8	1420.8	1697.3
25°	1295.2	1260.7	1275.2	1380.7	1624.5
27.5°	1304.3	1227.9	1233.4	1344.4	1548.1
30°	1306.1	1187.9	1189.7	1306.1	1462.6
32.5°	1293.4	1146.1	1147.9	1258.8	1366.2
35°	1262.5	1096.9	1095.1	1204.3	1235.2
37.5°	1220.6	1044.3	1044.3	1144.2	1091.5
40°	1169.7	991.5	997.0	1066.1	964.2
42.5°	1107.8	935.1	942.4	962.4	869.6
45°	1040.6	880.5	886.0	813.2	796.8
47.5°	966.0	824.1	826.0	675.0	773.2
50°	876.9	765.9	758.6	578.5	771.4
52.5°	798.7	702.2	680.4	524.0	700.4
55°	722.3	634.9	587.6	482.1	649.5
57.5°	654.9	547.6	502.1	433.0	638.6
60°	593.1	462.1	427.5	380.2	585.8
62.5°	542.1	398.4	391.1	343.8	531.2
65°	487.6	354.8	352.9	312.9	451.2
67.5°	434.8	325.7	323.8	283.8	343.8
70°	378.4	294.7	291.1	252.9	254.7
72.5°	320.2	260.2	256.5	227.4	211.0
75°	262.0	220.1	218.3	198.3	171.0
77.5°	205.6	174.7	178.3	160.1	125.5
80°	147.4	127.3	131.0	114.6	94.6
82.5°	98.2	83.7	87.3	72.8	63.7
85°	54.6	47.3	49.1	38.2	29.1
87.5°	25.5	21.8	21.8	14.6	9.1
90°	33.3	21.2	19.6	13.6	7.5
92.5°	205.3	146.1	133.3	81.8	30.3
95°	505.2	284.5	261.0	166.8	72.7
97.5°	680.6	312.6	291.8	208.7	125.6
100°	744.4	336.0	317.2	241.8	166.5
102.5°	773.6	359.4	341.8	271.5	201.3
105°	795.3	394.2	379.3	319.8	260.3
107.5°	799.4	445.7	431.8	376.3	320.8
110°	793.3	474.5	461.9	411.8	361.7



TEST NUMBER: P935146

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	793.6	509.3	497.4	449.5	401.8
115°	800.8	561.5	550.5	506.4	462.4
117.5°	815.8	612.2	602.2	562.2	522.1
120°	827.9	641.7	632.3	594.6	557.0
122.5°	845.2	676.5	667.0	629.0	591.0
125°	868.7	721.2	712.5	677.9	643.2
127.5°	892.2	764.3	755.5	720.5	685.6
130°	909.3	793.0	783.6	745.9	708.2
132.5°	923.2	816.5	807.0	769.4	731.7
135°	938.4	843.8	835.2	800.8	766.6
137.5°	961.0	878.5	870.1	836.0	802.1
140°	974.9	902.0	894.2	862.9	831.6
142.5°	986.5	919.4	912.2	883.3	854.3
145°	1001.7	945.9	939.7	914.4	889.2
147.5°	1023.9	979.2	973.0	948.5	923.9
150°	1035.4	996.6	991.0	968.9	946.7
152.5°	1043.0	1008.0	1003.8	987.0	970.1
155°	1059.6	1032.9	1029.8	1017.3	1004.9
157.5°	1076.3	1057.9	1054.9	1042.7	1030.6
160°	1083.9	1069.3	1066.9	1057.5	1048.1
162.5°	1091.9	1081.4	1079.6	1072.6	1065.5
165°	1103.6	1098.8	1097.1	1090.7	1084.4
167.5°	1112.6	1108.6	1107.8	1104.8	1101.8
170°	1120.2	1119.9	1119.2	1116.1	1113.1
172.5°	1120.7	1120.7	1120.5	1119.9	1119.2
175°	1125.2	1127.5	1127.5	1127.5	1127.5
177.5°	1125.8	1127.5	1127.5	1127.5	1127.5
180°	1127.5	1127.5	1127.5	1127.5	1127.5



TEST NUMBER: P935146  
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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	11.47	12.25	12.51	13.30	14.70	14.31	15.09	15.34	16.13	17.53
	3H	11.94	12.64	12.99	13.69	15.11	15.65	16.35	16.70	17.40	18.82
	4H	12.13	12.79	13.19	13.85	15.27	16.09	16.76	17.15	17.81	19.24
	6H	12.24	12.86	13.31	13.91	15.35	16.38	16.99	17.44	18.04	19.48
	8H	12.24	12.83	13.31	13.90	15.33	16.45	17.03	17.52	18.10	19.54
	12H	12.21	12.76	13.29	13.83	15.29	16.49	17.04	17.56	18.11	19.56
4H	2H	12.50	13.16	13.56	14.21	15.64	14.71	15.37	15.77	16.42	17.85
	3H	13.52	14.07	14.59	15.15	16.59	16.21	16.76	17.28	17.84	19.28
	4H	13.79	14.30	14.87	15.37	16.83	16.74	17.24	17.81	18.31	19.77
	6H	13.91	14.34	14.99	15.44	16.89	17.10	17.53	18.18	18.63	20.08
	8H	13.91	14.32	15.00	15.41	16.88	17.20	17.61	18.29	18.70	20.17
	12H	13.88	14.24	14.98	15.34	16.82	17.26	17.63	18.36	18.73	20.20
8H	4H	14.24	14.64	15.32	15.73	17.20	16.85	17.26	17.94	18.35	19.82
	6H	14.50	14.83	15.60	15.96	17.43	17.29	17.62	18.40	18.75	20.22
	8H	14.54	14.83	15.65	15.94	17.43	17.44	17.74	18.56	18.85	20.33
	12H	14.52	14.78	15.64	15.88	17.41	17.54	17.80	18.66	18.90	20.43
12H	4H	14.24	14.61	15.34	15.71	17.18	16.81	17.18	17.92	18.28	19.76
	6H	14.56	14.85	15.67	15.96	17.45	17.29	17.58	18.40	18.69	20.18
	8H	14.62	14.88	15.74	15.98	17.51	17.44	17.70	18.56	18.81	20.33