

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: P935473

Luminaire Tested: SQ4-FA-125U-050D-940-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935473
REPORT IS A COMBINATION OF REPORTS P933753 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-050D-940-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

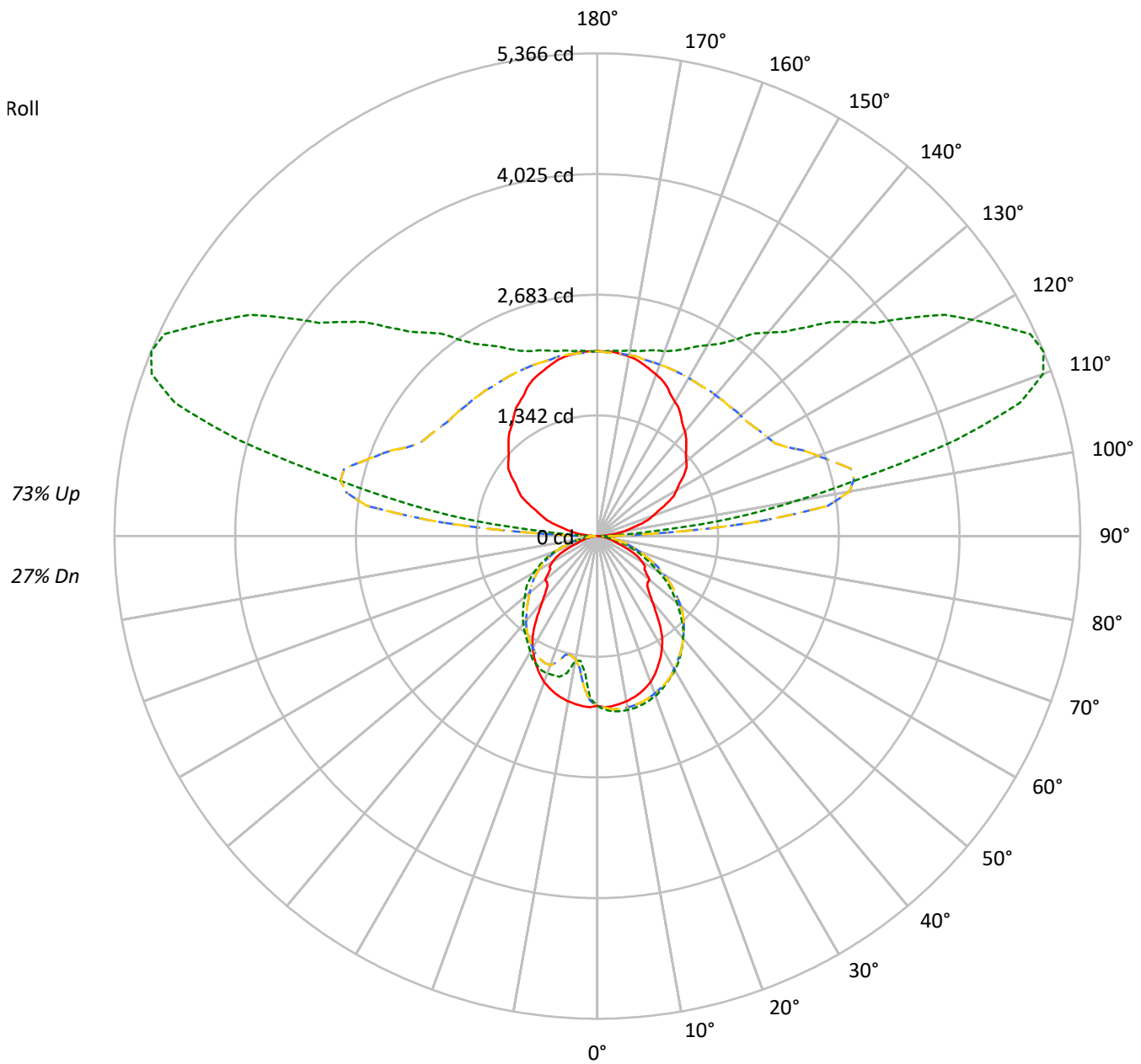
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18227.1 lumens
Efficiency: N/A
Efficacy: 127.6 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): 142.8
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: P935473
CATALOG NUMBER: SQ4-FA-125U-050D-940-1D-UNV-STD-W-12

Luminous Intensity Polar Plot



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



TEST NUMBER: P935473

CATALOG NUMBER: SQ4-FA-125U-050D-940-1D-UNV-STD-W-12

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35				27
1	93	88	85	81	83	79	76	73	62	60	58	46	44	43	31	30	29				23
2	84	77	71	66	75	69	64	60	54	51	48	40	38	36	27	26	25				19
3	77	68	61	55	68	61	55	50	48	43	40	35	33	30	24	22	21				16
4	70	60	52	47	62	54	47	42	42	38	34	31	28	26	21	20	18				14
5	64	53	45	40	57	48	41	36	38	33	29	28	25	22	19	17	16				12
6	59	48	40	34	53	43	36	31	34	29	25	25	22	19	17	15	14				10
7	55	43	35	30	49	38	32	27	30	26	22	23	20	17	16	14	12				9
8	50	39	31	26	45	35	28	24	28	23	19	21	18	15	15	12	11				8
9	47	35	28	23	42	32	25	21	25	21	17	19	16	14	13	11	10				7
10	44	32	25	20	39	29	23	19	23	19	15	18	14	12	12	10	9				7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5841	5841	5841	5841
5°	5887	5897	5887	4636
10°	5850	5808	5850	4152
15°	5788	5682	5788	4745
20°	5670	5534	5670	4755
25°	5424	5316	5424	4654
30°	5106	5135	5106	4433
35°	4554	4907	4554	4190
40°	3797	4638	3797	4006
45°	3395	4323	3395	3795
50°	3610	3948	3610	3583
55°	3399	3544	3399	3460
60°	3508	3010	3508	3169
65°	3186	2488	3186	2781
70°	2211	1983	2211	2332
75°	1946	1466	1946	1755
80°	1580	969	1580	1055
85°	927	514	927	436

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5200 cd/sqm



TEST NUMBER: P935473

CATALOG NUMBER: SQ4-FA-125U-050D-940-1D-UNV-STD-W-12

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.5	0.9
10°-20°	484.0	2.7
20°-30°	748.2	4.1
30°-40°	893.2	4.9
40°-50°	898.4	4.9
50°-60°	781.7	4.3
60°-70°	554.3	3.0
70°-80°	293.2	1.6
80°-90°	80.9	0.4
90°-100°	1001.8	5.5
100°-110°	2633.8	14.4
110°-120°	2730.9	15.0
120°-130°	2190.5	12.0
130°-140°	1718.8	9.4
140°-150°	1319.2	7.2
150°-160°	950.1	5.2
160°-170°	581.3	3.2
170°-180°	196.4	1.1
0°-30°	1402.6	7.7
0°-40°	2295.8	12.6
0°-60°	3975.9	21.8
0°-90°	4904.3	26.9
90°-120°	6366.5	34.9
90°-150°	11595.0	63.6
90°-180°	13323.0	73.1
0°-180°	18227.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1888	1888	1888	1888	1888	
5°	1897	1956	1897	1538	1897	180
15°	1812	1938	1812	1619	1812	510
25°	1596	1808	1596	1583	1596	733
35°	1213	1613	1213	1378	1213	751
45°	782	1329	782	1167	782	627
55°	638	981	638	958	638	586
65°	443	591	443	661	443	423
75°	168	280	168	336	168	177
85°	29	72	29	61	29	39
90°	14	52	14	52	14	13
95°	132	606	132	606	132	147
105°	474	4124	474	4124	474	503
115°	843	5310	843	5310	843	832
125°	1172	4229	1172	4229	1172	1041
135°	1397	3281	1397	3281	1397	1081
145°	1621	2662	1621	2662	1621	1015
155°	1832	2292	1832	2292	1832	842
165°	1976	2135	1976	2135	1976	558
175°	2055	2069	2055	2069	2055	195
180°	2055	2055	2055	2055	2055	



TEST NUMBER: P935473

CATALOG NUMBER: SQ4-FA-125U-050D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4
2.5°	1904.5	1904.5	1915.2	1918.8	1918.8	1913.5	1908.1	1913.5	1929.5	1934.9	1933.1
5°	1897.4	1911.7	1931.3	1934.9	1938.5	1936.7	1933.1	1936.7	1954.6	1958.1	1959.9
7.5°	1883.1	1909.9	1934.9	1940.3	1945.6	1940.3	1938.5	1942.1	1959.9	1963.5	1963.5
10°	1865.2	1902.7	1931.3	1934.9	1940.3	1934.9	1934.9	1942.1	1959.9	1963.5	1965.3
12.5°	1840.2	1892.1	1918.8	1922.4	1929.5	1927.8	1926.0	1933.1	1951.0	1954.6	1954.6
15°	1811.6	1872.3	1897.4	1900.9	1913.5	1909.9	1909.9	1917.0	1936.7	1942.1	1940.3
17.5°	1772.4	1847.4	1876.0	1881.3	1890.3	1888.4	1890.3	1897.4	1915.2	1918.8	1920.7
20°	1727.7	1813.4	1847.4	1852.7	1861.7	1861.7	1861.7	1870.6	1888.4	1895.6	1895.6
22.5°	1667.0	1777.7	1813.4	1817.0	1827.7	1827.7	1831.3	1843.8	1859.8	1861.7	1861.7
25°	1595.5	1738.3	1768.7	1779.5	1790.2	1795.5	1801.0	1808.1	1813.4	1811.6	1813.4
27.5°	1520.4	1688.4	1727.7	1734.8	1749.1	1754.4	1761.6	1763.4	1765.2	1770.5	1766.9
30°	1436.4	1618.6	1677.6	1684.8	1708.0	1711.6	1704.4	1708.0	1716.9	1720.5	1724.1
32.5°	1341.8	1515.0	1625.8	1641.9	1663.3	1652.7	1650.8	1656.2	1670.5	1670.5	1674.1
35°	1213.1	1434.7	1577.6	1591.9	1608.0	1595.5	1602.6	1604.3	1613.3	1618.6	1616.9
37.5°	1072.0	1364.9	1527.5	1538.3	1550.8	1534.7	1545.4	1550.8	1557.9	1554.4	1554.4
40°	946.9	1256.0	1468.6	1475.8	1486.4	1474.0	1484.6	1488.3	1491.8	1488.3	1486.4
42.5°	854.0	1136.3	1406.1	1415.0	1407.8	1416.8	1420.4	1427.5	1422.1	1415.0	1415.0
45°	782.5	1104.1	1338.2	1348.9	1338.2	1352.5	1357.8	1357.8	1341.8	1338.2	1336.4
47.5°	759.3	1039.8	1270.3	1270.3	1265.0	1282.8	1291.7	1279.3	1263.2	1257.8	1257.8
50°	757.6	968.4	1177.4	1170.2	1195.2	1216.6	1207.8	1195.2	1182.7	1163.1	1163.1
52.5°	687.8	880.8	1057.7	1084.5	1123.8	1136.3	1122.0	1109.5	1088.1	1079.1	1072.0
55°	637.9	789.7	948.7	1002.3	1043.4	1059.5	1032.7	1020.1	988.0	982.7	979.1
57.5°	627.1	657.5	848.7	916.5	966.6	964.8	948.7	925.5	898.7	893.3	891.6
60°	575.3	475.3	741.5	821.8	873.6	868.3	854.0	832.6	807.5	804.0	800.4
62.5°	521.7	344.8	619.9	711.1	784.3	782.5	770.1	737.8	720.0	711.1	703.9
65°	443.1	289.4	441.3	591.4	696.8	700.4	673.5	650.4	630.7	619.9	618.1
67.5°	337.7	235.9	298.4	493.1	612.8	609.3	575.3	564.6	539.5	534.2	523.5
70°	250.1	157.3	207.3	400.2	530.7	521.7	494.9	482.4	459.2	446.7	439.5
72.5°	207.3	126.8	151.8	310.9	446.7	435.9	412.7	398.4	378.7	368.1	360.9
75°	167.9	134.0	116.2	230.4	362.7	355.6	334.1	319.8	303.7	289.4	291.2
77.5°	123.3	125.0	92.9	169.7	287.6	277.0	264.4	246.6	239.4	225.1	225.1
80°	92.9	98.3	69.7	116.2	207.3	207.3	196.5	184.0	171.5	164.4	164.4
82.5°	62.5	62.5	51.8	73.3	141.1	135.8	128.7	125.0	117.9	114.4	114.4
85°	28.6	35.7	32.1	44.7	76.8	80.4	80.4	76.8	75.0	71.5	73.3
87.5°	9.0	16.1	19.6	25.0	39.3	41.1	42.9	42.9	42.9	44.7	44.7
90°	13.8	24.8	35.9	38.6	60.7	90.0	104.8	93.2	69.9	52.4	52.4
92.5°	55.1	148.9	242.8	266.2	374.3	518.3	590.3	517.3	371.5	262.0	251.7
95°	132.4	304.1	475.7	518.6	920.9	1457.3	1725.5	1539.7	1168.3	889.7	858.1
97.5°	228.9	380.3	531.8	569.7	1240.4	2134.8	2582.0	2464.6	2229.9	2053.8	1993.6
100°	303.4	440.8	578.1	612.5	1356.8	2349.3	2845.5	2854.1	2871.3	2884.1	2812.6
102.5°	366.9	495.1	623.1	655.2	1410.1	2416.7	2920.0	3069.5	3368.7	3593.1	3531.8
105°	474.5	583.0	691.5	718.7	1449.7	2424.3	2911.7	3247.0	3917.7	4420.6	4387.7
107.5°	584.8	686.0	787.1	812.4	1457.0	2316.5	2746.2	3213.9	4149.4	4851.0	4859.0
110°	659.3	750.6	842.0	864.8	1445.9	2220.8	2608.2	3131.2	4177.0	4961.3	4995.7



TEST NUMBER: P935473

CATALOG NUMBER: SQ4-FA-125U-050D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	732.4	819.4	906.5	928.2	1446.4	2137.3	2482.8	3018.0	4088.3	4891.0	4943.8
115°	842.7	923.0	1003.4	1023.4	1459.8	2041.5	2332.4	2848.0	3879.1	4652.4	4725.5
117.5°	951.8	1024.7	1097.7	1115.9	1486.9	1981.6	2229.0	2694.3	3624.8	4322.7	4403.8
120°	1015.2	1083.8	1152.5	1169.7	1509.0	1961.4	2187.6	2612.8	3463.0	4100.7	4179.5
122.5°	1077.2	1146.5	1215.8	1233.1	1540.7	1950.8	2155.9	2538.7	3304.3	3878.6	3956.3
125°	1172.4	1235.6	1298.7	1314.5	1583.5	1942.1	2121.3	2446.5	3097.0	3584.8	3656.3
127.5°	1249.7	1313.4	1377.2	1393.1	1626.2	1937.0	2092.4	2371.6	2930.0	3348.9	3409.3
130°	1291.1	1359.7	1428.3	1445.5	1657.5	1940.1	2081.4	2329.9	2827.1	3200.0	3255.8
132.5°	1333.8	1402.4	1471.1	1488.3	1682.8	1942.1	2071.7	2294.2	2739.3	3073.1	3123.1
135°	1397.3	1459.8	1522.3	1537.9	1710.4	1940.3	2055.2	2241.6	2614.3	2893.8	2936.9
137.5°	1462.1	1524.0	1585.9	1601.3	1751.7	1952.2	2052.4	2210.0	2525.0	2761.3	2796.6
140°	1515.8	1572.8	1629.8	1644.1	1777.0	1954.1	2042.8	2178.8	2451.0	2655.1	2688.1
142.5°	1557.2	1609.9	1662.7	1675.8	1798.1	1961.2	2042.8	2162.3	2401.4	2580.7	2609.0
145°	1620.7	1666.7	1712.7	1724.1	1825.7	1961.2	2029.0	2126.8	2322.3	2468.9	2490.4
147.5°	1684.1	1728.8	1773.6	1784.8	1866.2	1974.7	2029.0	2105.9	2259.8	2375.1	2392.9
150°	1725.5	1766.0	1806.5	1816.6	1887.4	1981.7	2029.0	2094.0	2223.9	2321.3	2335.7
152.5°	1768.3	1798.9	1829.6	1837.3	1901.2	1986.4	2029.0	2084.5	2195.4	2278.6	2289.5
155°	1831.7	1854.4	1877.1	1882.7	1931.5	1996.5	2029.0	2073.1	2161.4	2227.5	2234.7
157.5°	1878.7	1900.7	1922.8	1928.3	1961.9	2006.6	2029.0	2063.3	2131.9	2183.4	2188.5
160°	1910.4	1927.5	1944.7	1949.0	1975.6	2011.2	2029.0	2058.4	2117.3	2161.4	2164.3
162.5°	1942.1	1954.9	1967.8	1971.0	1990.4	2016.1	2029.0	2053.9	2103.5	2140.7	2143.5
165°	1976.5	1988.1	1999.8	2002.7	2011.5	2023.1	2029.0	2046.8	2082.3	2108.9	2111.8
167.5°	2008.3	2013.8	2019.3	2020.6	2028.0	2037.9	2042.8	2054.4	2077.7	2095.1	2096.4
170°	2029.0	2034.5	2040.0	2041.3	2041.8	2042.4	2042.8	2054.4	2077.7	2095.1	2095.1
172.5°	2040.0	2041.2	2042.5	2042.8	2042.8	2042.8	2042.8	2052.0	2070.4	2084.1	2083.1
175°	2055.2	2055.2	2055.2	2055.2	2051.0	2045.5	2042.8	2048.6	2060.2	2069.0	2069.0
177.5°	2055.2	2055.2	2055.2	2055.2	2052.0	2047.6	2045.5	2050.1	2059.3	2066.2	2065.0
180°	2055.2	2055.2	2055.2	2055.2	2055.2	2055.2	2055.2	2055.2	2055.2	2055.2	2055.2



TEST NUMBER: P935473

CATALOG NUMBER: SQ4-FA-125U-050D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4
2.5°	1936.7	1931.3	1936.7	1933.1	1934.9	1929.5	1913.5	1908.1	1913.5	1918.8	1918.8
5°	1959.9	1956.4	1959.9	1959.9	1958.1	1954.6	1936.7	1933.1	1936.7	1938.5	1934.9
7.5°	1967.1	1961.7	1967.1	1963.5	1963.5	1959.9	1942.1	1938.5	1940.3	1945.6	1940.3
10°	1967.1	1961.7	1967.1	1965.3	1963.5	1959.9	1942.1	1934.9	1934.9	1940.3	1934.9
12.5°	1958.1	1954.6	1958.1	1954.6	1954.6	1951.0	1933.1	1926.0	1927.8	1929.5	1922.4
15°	1943.8	1938.5	1943.8	1940.3	1942.1	1936.7	1917.0	1909.9	1909.9	1913.5	1900.9
17.5°	1922.4	1915.2	1922.4	1920.7	1918.8	1915.2	1897.4	1890.3	1888.4	1890.3	1881.3
20°	1897.4	1892.1	1897.4	1895.6	1895.6	1888.4	1870.6	1861.7	1861.7	1861.7	1852.7
22.5°	1858.1	1852.7	1858.1	1861.7	1861.7	1859.8	1843.8	1831.3	1827.7	1827.7	1817.0
25°	1813.4	1808.1	1813.4	1813.4	1811.6	1813.4	1808.1	1801.0	1795.5	1790.2	1779.5
27.5°	1770.5	1766.9	1770.5	1766.9	1770.5	1765.2	1763.4	1761.6	1754.4	1749.1	1734.8
30°	1727.7	1724.1	1727.7	1724.1	1720.5	1716.9	1708.0	1704.4	1711.6	1708.0	1684.8
32.5°	1674.1	1670.5	1674.1	1674.1	1670.5	1670.5	1656.2	1650.8	1652.7	1663.3	1641.9
35°	1618.6	1613.3	1618.6	1616.9	1618.6	1613.3	1604.3	1602.6	1595.5	1608.0	1591.9
37.5°	1554.4	1549.0	1554.4	1554.4	1554.4	1557.9	1550.8	1545.4	1534.7	1550.8	1538.3
40°	1488.3	1481.1	1488.3	1486.4	1488.3	1491.8	1488.3	1484.6	1474.0	1486.4	1475.8
42.5°	1413.3	1411.4	1413.3	1415.0	1415.0	1422.1	1427.5	1420.4	1416.8	1407.8	1415.0
45°	1332.8	1329.2	1332.8	1336.4	1338.2	1341.8	1357.8	1357.8	1352.5	1338.2	1348.9
47.5°	1247.0	1238.1	1247.0	1257.8	1257.8	1263.2	1279.3	1291.7	1282.8	1265.0	1270.3
50°	1155.9	1157.7	1155.9	1163.1	1163.1	1182.7	1195.2	1207.8	1216.6	1195.2	1170.2
52.5°	1066.6	1064.8	1066.6	1072.0	1079.1	1088.1	1109.5	1122.0	1136.3	1123.8	1084.5
55°	977.2	980.9	977.2	979.1	982.7	988.0	1020.1	1032.7	1059.5	1043.4	1002.3
57.5°	887.9	882.6	887.9	891.6	893.3	898.7	925.5	948.7	964.8	966.6	916.5
60°	784.3	777.2	784.3	800.4	804.0	807.5	832.6	854.0	868.3	873.6	821.8
62.5°	693.2	680.7	693.2	703.9	711.1	720.0	737.8	770.1	782.5	784.3	711.1
65°	596.7	591.4	596.7	618.1	619.9	630.7	650.4	673.5	700.4	696.8	591.4
67.5°	509.2	509.2	509.2	523.5	534.2	539.5	564.6	575.3	609.3	612.8	493.1
70°	428.8	427.0	428.8	439.5	446.7	459.2	482.4	494.9	521.7	530.7	400.2
72.5°	352.0	350.1	352.0	360.9	368.1	378.7	398.4	412.7	435.9	446.7	310.9
75°	284.1	280.5	284.1	291.2	289.4	303.7	319.8	334.1	355.6	362.7	230.4
77.5°	218.0	218.0	218.0	225.1	225.1	239.4	246.6	264.4	277.0	287.6	169.7
80°	162.6	160.8	162.6	164.4	164.4	171.5	184.0	196.5	207.3	207.3	116.2
82.5°	114.4	110.7	114.4	114.4	114.4	117.9	125.0	128.7	135.8	141.1	73.3
85°	71.5	71.5	71.5	73.3	71.5	75.0	76.8	80.4	80.4	76.8	44.7
87.5°	46.4	44.7	46.4	44.7	44.7	42.9	42.9	42.9	41.1	39.3	25.0
90°	52.4	52.4	52.4	52.4	52.4	69.9	93.2	104.8	90.0	60.7	38.6
92.5°	209.9	168.3	209.9	251.7	262.0	371.5	517.3	590.3	518.3	374.3	266.2
95°	731.8	605.5	731.8	858.1	889.7	1168.3	1539.7	1725.5	1457.3	920.9	518.6
97.5°	1753.4	1513.1	1753.4	1993.6	2053.8	2229.9	2464.6	2582.0	2134.8	1240.4	569.7
100°	2526.3	2240.0	2526.3	2812.6	2884.1	2871.3	2854.1	2845.5	2349.3	1356.8	612.5
102.5°	3286.6	3041.4	3286.6	3531.8	3593.1	3368.7	3069.5	2920.0	2416.7	1410.1	655.2
105°	4255.9	4124.1	4255.9	4387.7	4420.6	3917.7	3247.0	2911.7	2424.3	1449.7	718.7
107.5°	4890.8	4922.7	4890.8	4859.0	4851.0	4149.4	3213.9	2746.2	2316.5	1457.0	812.4
110°	5133.0	5270.3	5133.0	4995.7	4961.3	4177.0	3131.2	2608.2	2220.8	1445.9	864.8



TEST NUMBER: P935473

CATALOG NUMBER: SQ4-FA-125U-050D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5154.6	5365.5	5154.6	4943.8	4891.0	4088.3	3018.0	2482.8	2137.3	1446.4	928.2
115°	5017.9	5310.3	5017.9	4725.5	4652.4	3879.1	2848.0	2332.4	2041.5	1459.8	1023.4
117.5°	4728.1	5052.4	4728.1	4403.8	4322.7	3624.8	2694.3	2229.0	1981.6	1486.9	1115.9
120°	4494.5	4809.6	4494.5	4179.5	4100.7	3463.0	2612.8	2187.6	1961.4	1509.0	1169.7
122.5°	4267.1	4577.9	4267.1	3956.3	3878.6	3304.3	2538.7	2155.9	1950.8	1540.7	1233.1
125°	3942.6	4228.9	3942.6	3656.3	3584.8	3097.0	2446.5	2121.3	1942.1	1583.5	1314.5
127.5°	3650.8	3892.4	3650.8	3409.3	3348.9	2930.0	2371.6	2092.4	1937.0	1626.2	1393.1
130°	3478.9	3702.1	3478.9	3255.8	3200.0	2827.1	2329.9	2081.4	1940.1	1657.5	1445.5
132.5°	3322.9	3522.7	3322.9	3123.1	3073.1	2739.3	2294.2	2071.7	1942.1	1682.8	1488.3
135°	3109.1	3281.3	3109.1	2936.9	2893.8	2614.3	2241.6	2055.2	1940.3	1710.4	1537.9
137.5°	2937.6	3078.6	2937.6	2796.6	2761.3	2525.0	2210.0	2052.4	1952.2	1751.7	1601.3
140°	2819.9	2951.7	2819.9	2688.1	2655.1	2451.0	2178.8	2042.8	1954.1	1777.0	1644.1
142.5°	2722.4	2835.8	2722.4	2609.0	2580.7	2401.4	2162.3	2042.8	1961.2	1798.1	1675.8
145°	2576.2	2662.0	2576.2	2490.4	2468.9	2322.3	2126.8	2029.0	1961.2	1825.7	1724.1
147.5°	2464.0	2535.2	2464.0	2392.9	2375.1	2259.8	2105.9	2029.0	1974.7	1866.2	1784.8
150°	2393.4	2451.1	2393.4	2335.7	2321.3	2223.9	2094.0	2029.0	1981.7	1887.4	1816.6
152.5°	2333.0	2376.6	2333.0	2289.5	2278.6	2195.4	2084.5	2029.0	1986.4	1901.2	1837.3
155°	2263.6	2292.4	2263.6	2234.7	2227.5	2161.4	2073.1	2029.0	1996.5	1931.5	1882.7
157.5°	2208.7	2229.0	2208.7	2188.5	2183.4	2131.9	2063.3	2029.0	2006.6	1961.9	1928.3
160°	2176.0	2187.6	2176.0	2164.3	2161.4	2117.3	2058.4	2029.0	2011.2	1975.6	1949.0
162.5°	2154.5	2165.5	2154.5	2143.5	2140.7	2103.5	2053.9	2029.0	2016.1	1990.4	1971.0
165°	2123.5	2135.2	2123.5	2111.8	2108.9	2082.3	2046.8	2029.0	2023.1	2011.5	2002.7
167.5°	2101.3	2106.2	2101.3	2096.4	2095.1	2077.7	2054.4	2042.8	2037.9	2028.0	2020.6
170°	2095.1	2095.1	2095.1	2095.1	2095.1	2077.7	2054.4	2042.8	2042.4	2041.8	2041.3
172.5°	2078.7	2074.5	2078.7	2083.1	2084.1	2070.4	2052.0	2042.8	2042.8	2042.8	2042.8
175°	2069.0	2069.0	2069.0	2069.0	2069.0	2060.2	2048.6	2042.8	2045.5	2051.0	2055.2
177.5°	2060.1	2055.2	2060.1	2065.0	2066.2	2059.3	2050.1	2045.5	2047.6	2052.0	2055.2
180°	2055.2	2055.2	2055.2	2055.2	2055.2	2055.2	2055.2	2055.2	2055.2	2055.2	2055.2



TEST NUMBER: P935473

CATALOG NUMBER: SQ4-FA-125U-050D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4
2.5°	1915.2	1904.5	1904.5	1886.6	1879.5	1874.1	1865.2	1838.4	1831.3	1824.1	1834.9
5°	1931.3	1911.7	1897.4	1865.2	1838.4	1827.7	1793.8	1729.5	1686.6	1654.4	1636.6
7.5°	1934.9	1909.9	1883.1	1833.1	1768.7	1740.1	1636.6	1518.7	1486.4	1457.9	1440.0
10°	1931.3	1902.7	1865.2	1790.2	1638.4	1588.3	1484.6	1407.8	1388.2	1382.9	1388.2
12.5°	1918.8	1892.1	1840.2	1715.2	1502.6	1468.6	1407.8	1363.2	1359.6	1368.6	1416.8
15°	1897.4	1872.3	1811.6	1615.1	1427.5	1402.5	1359.6	1343.5	1363.2	1425.7	1570.4
17.5°	1876.0	1847.4	1772.4	1516.9	1370.4	1352.5	1322.1	1354.3	1465.0	1549.0	1597.2
20°	1847.4	1813.4	1727.7	1445.4	1329.2	1313.2	1298.9	1443.6	1527.5	1557.9	1584.7
22.5°	1813.4	1777.7	1667.0	1395.3	1286.4	1273.8	1282.8	1493.6	1527.5	1549.0	1572.2
25°	1768.7	1738.3	1595.5	1356.1	1252.4	1238.1	1272.1	1488.3	1507.9	1513.2	1559.7
27.5°	1727.7	1688.4	1520.4	1320.3	1211.3	1206.0	1281.0	1465.0	1479.3	1484.6	1534.7
30°	1677.6	1618.6	1436.4	1282.8	1168.4	1166.7	1282.8	1436.4	1432.9	1447.2	1497.2
32.5°	1625.8	1515.0	1341.8	1236.4	1127.3	1125.5	1270.3	1393.5	1390.0	1409.6	1447.2
35°	1577.6	1434.7	1213.1	1182.7	1075.5	1077.3	1239.9	1343.5	1345.3	1363.2	1386.4
37.5°	1527.5	1364.9	1072.0	1123.8	1025.6	1025.6	1198.8	1297.1	1293.5	1298.9	1331.0
40°	1468.6	1256.0	946.9	1047.0	979.1	973.7	1148.8	1247.0	1234.6	1232.8	1277.4
42.5°	1406.1	1136.3	854.0	945.1	925.5	918.3	1088.1	1186.3	1163.1	1168.4	1225.6
45°	1338.2	1104.1	782.5	798.6	870.1	864.7	1021.9	1116.7	1100.6	1114.9	1173.8
47.5°	1270.3	1039.8	759.3	662.8	811.1	809.3	948.7	1048.7	1039.8	1054.1	1116.7
50°	1177.4	968.4	757.6	568.1	745.0	752.1	861.2	982.7	982.7	995.2	1061.2
52.5°	1057.7	880.8	687.8	514.5	668.2	689.6	784.3	925.5	929.0	941.5	1000.5
55°	948.7	789.7	637.9	473.5	577.1	623.6	709.2	866.5	873.6	886.1	939.8
57.5°	848.7	657.5	627.1	425.2	493.1	537.8	643.2	809.3	812.9	823.6	875.5
60°	741.5	475.3	575.3	373.4	419.8	453.8	582.4	741.5	753.9	761.1	805.8
62.5°	619.9	344.8	521.7	337.7	384.1	391.3	532.4	677.1	693.2	698.6	725.4
65°	441.3	289.4	443.1	307.3	346.6	348.4	478.8	611.0	625.3	634.2	653.9
67.5°	298.4	235.9	337.7	278.7	318.0	319.8	427.0	534.2	553.8	561.0	573.5
70°	207.3	157.3	250.1	248.4	285.8	289.4	371.6	464.5	482.4	487.8	494.9
72.5°	151.8	126.8	207.3	223.3	251.9	255.5	314.4	385.9	403.8	409.1	412.7
75°	116.2	134.0	167.9	194.7	214.4	216.1	257.3	314.4	327.0	330.5	332.3
77.5°	92.9	125.0	123.3	157.3	175.1	171.5	201.9	243.0	253.7	253.7	253.7
80°	69.7	98.3	92.9	112.6	128.7	125.0	144.7	173.3	176.9	180.4	178.7
82.5°	51.8	62.5	62.5	71.5	85.8	82.2	96.4	112.6	112.6	112.6	116.2
85°	32.1	35.7	28.6	37.6	48.2	46.4	53.6	60.7	62.5	62.5	59.0
87.5°	19.6	16.1	9.0	14.3	21.4	21.4	25.0	26.8	25.0	25.0	25.0
90°	35.9	24.8	13.8	24.8	35.9	38.6	60.7	90.0	104.8	93.2	69.9
92.5°	242.8	148.9	55.1	148.9	242.8	266.2	374.3	518.3	590.3	517.3	371.5
95°	475.7	304.1	132.4	304.1	475.7	518.6	920.9	1457.3	1725.5	1539.7	1168.3
97.5°	531.8	380.3	228.9	380.3	531.8	569.7	1240.4	2134.8	2582.0	2464.6	2229.9
100°	578.1	440.8	303.4	440.8	578.1	612.5	1356.8	2349.3	2845.5	2854.1	2871.3
102.5°	623.1	495.1	366.9	495.1	623.1	655.2	1410.1	2416.7	2920.0	3069.5	3368.7
105°	691.5	583.0	474.5	583.0	691.5	718.7	1449.7	2424.3	2911.7	3247.0	3917.7
107.5°	787.1	686.0	584.8	686.0	787.1	812.4	1457.0	2316.5	2746.2	3213.9	4149.4
110°	842.0	750.6	659.3	750.6	842.0	864.8	1445.9	2220.8	2608.2	3131.2	4177.0



TEST NUMBER: P935473

CATALOG NUMBER: SQ4-FA-125U-050D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	906.5	819.4	732.4	819.4	906.5	928.2	1446.4	2137.3	2482.8	3018.0	4088.3
115°	1003.4	923.0	842.7	923.0	1003.4	1023.4	1459.8	2041.5	2332.4	2848.0	3879.1
117.5°	1097.7	1024.7	951.8	1024.7	1097.7	1115.9	1486.9	1981.6	2229.0	2694.3	3624.8
120°	1152.5	1083.8	1015.2	1083.8	1152.5	1169.7	1509.0	1961.4	2187.6	2612.8	3463.0
122.5°	1215.8	1146.5	1077.2	1146.5	1215.8	1233.1	1540.7	1950.8	2155.9	2538.7	3304.3
125°	1298.7	1235.6	1172.4	1235.6	1298.7	1314.5	1583.5	1942.1	2121.3	2446.5	3097.0
127.5°	1377.2	1313.4	1249.7	1313.4	1377.2	1393.1	1626.2	1937.0	2092.4	2371.6	2930.0
130°	1428.3	1359.7	1291.1	1359.7	1428.3	1445.5	1657.5	1940.1	2081.4	2329.9	2827.1
132.5°	1471.1	1402.4	1333.8	1402.4	1471.1	1488.3	1682.8	1942.1	2071.7	2294.2	2739.3
135°	1522.3	1459.8	1397.3	1459.8	1522.3	1537.9	1710.4	1940.3	2055.2	2241.6	2614.3
137.5°	1585.9	1524.0	1462.1	1524.0	1585.9	1601.3	1751.7	1952.2	2052.4	2210.0	2525.0
140°	1629.8	1572.8	1515.8	1572.8	1629.8	1644.1	1777.0	1954.1	2042.8	2178.8	2451.0
142.5°	1662.7	1609.9	1557.2	1609.9	1662.7	1675.8	1798.1	1961.2	2042.8	2162.3	2401.4
145°	1712.7	1666.7	1620.7	1666.7	1712.7	1724.1	1825.7	1961.2	2029.0	2126.8	2322.3
147.5°	1773.6	1728.8	1684.1	1728.8	1773.6	1784.8	1866.2	1974.7	2029.0	2105.9	2259.8
150°	1806.5	1766.0	1725.5	1766.0	1806.5	1816.6	1887.4	1981.7	2029.0	2094.0	2223.9
152.5°	1829.6	1798.9	1768.3	1798.9	1829.6	1837.3	1901.2	1986.4	2029.0	2084.5	2195.4
155°	1877.1	1854.4	1831.7	1854.4	1877.1	1882.7	1931.5	1996.5	2029.0	2073.1	2161.4
157.5°	1922.8	1900.7	1878.7	1900.7	1922.8	1928.3	1961.9	2006.6	2029.0	2063.3	2131.9
160°	1944.7	1927.5	1910.4	1927.5	1944.7	1949.0	1975.6	2011.2	2029.0	2058.4	2117.3
162.5°	1967.8	1954.9	1942.1	1954.9	1967.8	1971.0	1990.4	2016.1	2029.0	2053.9	2103.5
165°	1999.8	1988.1	1976.5	1988.1	1999.8	2002.7	2011.5	2023.1	2029.0	2046.8	2082.3
167.5°	2019.3	2013.8	2008.3	2013.8	2019.3	2020.6	2028.0	2037.9	2042.8	2054.4	2077.7
170°	2040.0	2034.5	2029.0	2034.5	2040.0	2041.3	2041.8	2042.4	2042.8	2054.4	2077.7
172.5°	2042.5	2041.2	2040.0	2041.2	2042.5	2042.8	2042.8	2042.8	2042.8	2052.0	2070.4
175°	2055.2	2055.2	2055.2	2055.2	2055.2	2055.2	2051.0	2045.5	2042.8	2048.6	2060.2
177.5°	2055.2	2055.2	2055.2	2055.2	2055.2	2055.2	2052.0	2047.6	2045.5	2050.1	2059.3
180°	2055.2	2055.2	2055.2	2055.2	2055.2	2055.2	2055.2	2055.2	2055.2	2055.2	2055.2



TEST NUMBER: P935473

CATALOG NUMBER: SQ4-FA-125U-050D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4
2.5°	1822.4	1817.0	1824.1	1804.5	1824.1	1817.0	1822.4	1834.9	1824.1	1831.3	1838.4
5°	1599.0	1590.1	1561.5	1538.3	1561.5	1590.1	1599.0	1636.6	1654.4	1686.6	1729.5
7.5°	1429.3	1422.1	1415.0	1400.7	1415.0	1422.1	1429.3	1440.0	1457.9	1486.4	1518.7
10°	1391.8	1393.5	1404.3	1402.5	1404.3	1393.5	1391.8	1388.2	1382.9	1388.2	1407.8
12.5°	1488.3	1504.4	1563.3	1559.7	1563.3	1504.4	1488.3	1416.8	1368.6	1359.6	1363.2
15°	1599.0	1604.3	1616.9	1618.6	1616.9	1604.3	1599.0	1570.4	1425.7	1363.2	1343.5
17.5°	1609.8	1611.5	1620.4	1620.4	1620.4	1611.5	1609.8	1597.2	1549.0	1465.0	1354.3
20°	1600.8	1604.3	1622.3	1625.8	1622.3	1604.3	1600.8	1584.7	1557.9	1527.5	1443.6
22.5°	1597.2	1604.3	1618.6	1616.9	1618.6	1604.3	1597.2	1572.2	1549.0	1527.5	1493.6
25°	1579.4	1579.4	1581.2	1582.9	1581.2	1579.4	1579.4	1559.7	1513.2	1507.9	1488.3
27.5°	1541.8	1545.4	1556.1	1554.4	1556.1	1545.4	1541.8	1534.7	1484.6	1479.3	1465.0
30°	1507.9	1504.4	1495.4	1488.3	1495.4	1504.4	1507.9	1497.2	1447.2	1432.9	1436.4
32.5°	1450.7	1441.8	1432.9	1427.5	1432.9	1441.8	1450.7	1447.2	1409.6	1390.0	1393.5
35°	1382.9	1384.7	1382.9	1377.5	1382.9	1384.7	1382.9	1386.4	1363.2	1345.3	1343.5
37.5°	1334.6	1338.2	1336.4	1329.2	1336.4	1338.2	1334.6	1331.0	1298.9	1293.5	1297.1
40°	1284.6	1286.4	1284.6	1279.3	1284.6	1286.4	1284.6	1277.4	1232.8	1234.6	1247.0
42.5°	1236.4	1234.6	1229.2	1225.6	1229.2	1234.6	1236.4	1225.6	1168.4	1163.1	1186.3
45°	1181.0	1182.7	1172.0	1166.7	1172.0	1182.7	1181.0	1173.8	1114.9	1100.6	1116.7
47.5°	1125.5	1125.5	1116.7	1111.2	1116.7	1125.5	1125.5	1116.7	1054.1	1039.8	1048.7
50°	1066.6	1064.8	1052.3	1050.5	1052.3	1064.8	1066.6	1061.2	995.2	982.7	982.7
52.5°	998.7	998.7	1000.5	1004.1	1000.5	998.7	998.7	1000.5	941.5	929.0	925.5
55°	939.8	941.5	954.1	957.6	954.1	941.5	939.8	939.8	886.1	873.6	866.5
57.5°	879.0	879.0	887.9	887.9	887.9	879.0	879.0	875.5	823.6	812.9	809.3
60°	809.3	812.9	820.1	818.3	820.1	812.9	809.3	805.8	761.1	753.9	741.5
62.5°	736.1	739.7	741.5	737.8	741.5	739.7	736.1	725.4	698.6	693.2	677.1
65°	659.3	662.8	664.6	661.0	664.6	662.8	659.3	653.9	634.2	625.3	611.0
67.5°	580.7	578.9	577.1	584.2	577.1	578.9	580.7	573.5	561.0	553.8	534.2
70°	500.2	500.2	498.4	502.1	498.4	500.2	500.2	494.9	487.8	482.4	464.5
72.5°	414.5	412.7	419.8	414.5	419.8	412.7	414.5	412.7	409.1	403.8	385.9
75°	330.5	334.1	330.5	335.8	330.5	334.1	330.5	332.3	330.5	327.0	314.4
77.5°	251.9	255.5	251.9	251.9	251.9	255.5	251.9	253.7	253.7	253.7	243.0
80°	178.7	176.9	176.9	175.1	176.9	176.9	178.7	178.7	180.4	176.9	173.3
82.5°	114.4	112.6	112.6	116.2	112.6	112.6	114.4	116.2	112.6	112.6	112.6
85°	62.5	64.3	60.7	60.7	60.7	64.3	62.5	59.0	62.5	62.5	60.7
87.5°	23.3	21.4	21.4	21.4	21.4	21.4	23.3	25.0	25.0	25.0	26.8
90°	52.4	52.4	52.4	52.4	52.4	52.4	52.4	69.9	93.2	104.8	90.0
92.5°	262.0	251.7	209.9	168.3	209.9	251.7	262.0	371.5	517.3	590.3	518.3
95°	889.7	858.1	731.8	605.5	731.8	858.1	889.7	1168.3	1539.7	1725.5	1457.3
97.5°	2053.8	1993.6	1753.4	1513.1	1753.4	1993.6	2053.8	2229.9	2464.6	2582.0	2134.8
100°	2884.1	2812.6	2526.3	2240.0	2526.3	2812.6	2884.1	2871.3	2854.1	2845.5	2349.3
102.5°	3593.1	3531.8	3286.6	3041.4	3286.6	3531.8	3593.1	3368.7	3069.5	2920.0	2416.7
105°	4420.6	4387.7	4255.9	4124.1	4255.9	4387.7	4420.6	3917.7	3247.0	2911.7	2424.3
107.5°	4851.0	4859.0	4890.8	4922.7	4890.8	4859.0	4851.0	4149.4	3213.9	2746.2	2316.5
110°	4961.3	4995.7	5133.0	5270.3	5133.0	4995.7	4961.3	4177.0	3131.2	2608.2	2220.8



TEST NUMBER: P935473

CATALOG NUMBER: SQ4-FA-125U-050D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4891.0	4943.8	5154.6	5365.5	5154.6	4943.8	4891.0	4088.3	3018.0	2482.8	2137.3
115°	4652.4	4725.5	5017.9	5310.3	5017.9	4725.5	4652.4	3879.1	2848.0	2332.4	2041.5
117.5°	4322.7	4403.8	4728.1	5052.4	4728.1	4403.8	4322.7	3624.8	2694.3	2229.0	1981.6
120°	4100.7	4179.5	4494.5	4809.6	4494.5	4179.5	4100.7	3463.0	2612.8	2187.6	1961.4
122.5°	3878.6	3956.3	4267.1	4577.9	4267.1	3956.3	3878.6	3304.3	2538.7	2155.9	1950.8
125°	3584.8	3656.3	3942.6	4228.9	3942.6	3656.3	3584.8	3097.0	2446.5	2121.3	1942.1
127.5°	3348.9	3409.3	3650.8	3892.4	3650.8	3409.3	3348.9	2930.0	2371.6	2092.4	1937.0
130°	3200.0	3255.8	3478.9	3702.1	3478.9	3255.8	3200.0	2827.1	2329.9	2081.4	1940.1
132.5°	3073.1	3123.1	3322.9	3522.7	3322.9	3123.1	3073.1	2739.3	2294.2	2071.7	1942.1
135°	2893.8	2936.9	3109.1	3281.3	3109.1	2936.9	2893.8	2614.3	2241.6	2055.2	1940.3
137.5°	2761.3	2796.6	2937.6	3078.6	2937.6	2796.6	2761.3	2525.0	2210.0	2052.4	1952.2
140°	2655.1	2688.1	2819.9	2951.7	2819.9	2688.1	2655.1	2451.0	2178.8	2042.8	1954.1
142.5°	2580.7	2609.0	2722.4	2835.8	2722.4	2609.0	2580.7	2401.4	2162.3	2042.8	1961.2
145°	2468.9	2490.4	2576.2	2662.0	2576.2	2490.4	2468.9	2322.3	2126.8	2029.0	1961.2
147.5°	2375.1	2392.9	2464.0	2535.2	2464.0	2392.9	2375.1	2259.8	2105.9	2029.0	1974.7
150°	2321.3	2335.7	2393.4	2451.1	2393.4	2335.7	2321.3	2223.9	2094.0	2029.0	1981.7
152.5°	2278.6	2289.5	2333.0	2376.6	2333.0	2289.5	2278.6	2195.4	2084.5	2029.0	1986.4
155°	2227.5	2234.7	2263.6	2292.4	2263.6	2234.7	2227.5	2161.4	2073.1	2029.0	1996.5
157.5°	2183.4	2188.5	2208.7	2229.0	2208.7	2188.5	2183.4	2131.9	2063.3	2029.0	2006.6
160°	2161.4	2164.3	2176.0	2187.6	2176.0	2164.3	2161.4	2117.3	2058.4	2029.0	2011.2
162.5°	2140.7	2143.5	2154.5	2165.5	2154.5	2143.5	2140.7	2103.5	2053.9	2029.0	2016.1
165°	2108.9	2111.8	2123.5	2135.2	2123.5	2111.8	2108.9	2082.3	2046.8	2029.0	2023.1
167.5°	2095.1	2096.4	2101.3	2106.2	2101.3	2096.4	2095.1	2077.7	2054.4	2042.8	2037.9
170°	2095.1	2095.1	2095.1	2095.1	2095.1	2095.1	2095.1	2077.7	2054.4	2042.8	2042.4
172.5°	2084.1	2083.1	2078.7	2074.5	2078.7	2083.1	2084.1	2070.4	2052.0	2042.8	2042.8
175°	2069.0	2069.0	2069.0	2069.0	2069.0	2069.0	2069.0	2060.2	2048.6	2042.8	2045.5
177.5°	2066.2	2065.0	2060.1	2055.2	2060.1	2065.0	2066.2	2059.3	2050.1	2045.5	2047.6
180°	2055.2	2055.2	2055.2	2055.2	2055.2	2055.2	2055.2	2055.2	2055.2	2055.2	2055.2



TEST NUMBER: P935473

CATALOG NUMBER: SQ4-FA-125U-050D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1888.4	1888.4	1888.4	1888.4	1888.4
2.5°	1865.2	1874.1	1879.5	1886.6	1904.5
5°	1793.8	1827.7	1838.4	1865.2	1897.4
7.5°	1636.6	1740.1	1768.7	1833.1	1883.1
10°	1484.6	1588.3	1638.4	1790.2	1865.2
12.5°	1407.8	1468.6	1502.6	1715.2	1840.2
15°	1359.6	1402.5	1427.5	1615.1	1811.6
17.5°	1322.1	1352.5	1370.4	1516.9	1772.4
20°	1298.9	1313.2	1329.2	1445.4	1727.7
22.5°	1282.8	1273.8	1286.4	1395.3	1667.0
25°	1272.1	1238.1	1252.4	1356.1	1595.5
27.5°	1281.0	1206.0	1211.3	1320.3	1520.4
30°	1282.8	1166.7	1168.4	1282.8	1436.4
32.5°	1270.3	1125.5	1127.3	1236.4	1341.8
35°	1239.9	1077.3	1075.5	1182.7	1213.1
37.5°	1198.8	1025.6	1025.6	1123.8	1072.0
40°	1148.8	973.7	979.1	1047.0	946.9
42.5°	1088.1	918.3	925.5	945.1	854.0
45°	1021.9	864.7	870.1	798.6	782.5
47.5°	948.7	809.3	811.1	662.8	759.3
50°	861.2	752.1	745.0	568.1	757.6
52.5°	784.3	689.6	668.2	514.5	687.8
55°	709.2	623.6	577.1	473.5	637.9
57.5°	643.2	537.8	493.1	425.2	627.1
60°	582.4	453.8	419.8	373.4	575.3
62.5°	532.4	391.3	384.1	337.7	521.7
65°	478.8	348.4	346.6	307.3	443.1
67.5°	427.0	319.8	318.0	278.7	337.7
70°	371.6	289.4	285.8	248.4	250.1
72.5°	314.4	255.5	251.9	223.3	207.3
75°	257.3	216.1	214.4	194.7	167.9
77.5°	201.9	171.5	175.1	157.3	123.3
80°	144.7	125.0	128.7	112.6	92.9
82.5°	96.4	82.2	85.8	71.5	62.5
85°	53.6	46.4	48.2	37.6	28.6
87.5°	25.0	21.4	21.4	14.3	9.0
90°	60.7	38.6	35.9	24.8	13.8
92.5°	374.3	266.2	242.8	148.9	55.1
95°	920.9	518.6	475.7	304.1	132.4
97.5°	1240.4	569.7	531.8	380.3	228.9
100°	1356.8	612.5	578.1	440.8	303.4
102.5°	1410.1	655.2	623.1	495.1	366.9
105°	1449.7	718.7	691.5	583.0	474.5
107.5°	1457.0	812.4	787.1	686.0	584.8
110°	1445.9	864.8	842.0	750.6	659.3



TEST NUMBER: P935473
 CATALOG NUMBER: SQ4-FA-125U-050D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1446.4	928.2	906.5	819.4	732.4
115°	1459.8	1023.4	1003.4	923.0	842.7
117.5°	1486.9	1115.9	1097.7	1024.7	951.8
120°	1509.0	1169.7	1152.5	1083.8	1015.2
122.5°	1540.7	1233.1	1215.8	1146.5	1077.2
125°	1583.5	1314.5	1298.7	1235.6	1172.4
127.5°	1626.2	1393.1	1377.2	1313.4	1249.7
130°	1657.5	1445.5	1428.3	1359.7	1291.1
132.5°	1682.8	1488.3	1471.1	1402.4	1333.8
135°	1710.4	1537.9	1522.3	1459.8	1397.3
137.5°	1751.7	1601.3	1585.9	1524.0	1462.1
140°	1777.0	1644.1	1629.8	1572.8	1515.8
142.5°	1798.1	1675.8	1662.7	1609.9	1557.2
145°	1825.7	1724.1	1712.7	1666.7	1620.7
147.5°	1866.2	1784.8	1773.6	1728.8	1684.1
150°	1887.4	1816.6	1806.5	1766.0	1725.5
152.5°	1901.2	1837.3	1829.6	1798.9	1768.3
155°	1931.5	1882.7	1877.1	1854.4	1831.7
157.5°	1961.9	1928.3	1922.8	1900.7	1878.7
160°	1975.6	1949.0	1944.7	1927.5	1910.4
162.5°	1990.4	1971.0	1967.8	1954.9	1942.1
165°	2011.5	2002.7	1999.8	1988.1	1976.5
167.5°	2028.0	2020.6	2019.3	2013.8	2008.3
170°	2041.8	2041.3	2040.0	2034.5	2029.0
172.5°	2042.8	2042.8	2042.5	2041.2	2040.0
175°	2051.0	2055.2	2055.2	2055.2	2055.2
177.5°	2052.0	2055.2	2055.2	2055.2	2055.2
180°	2055.2	2055.2	2055.2	2055.2	2055.2



TEST NUMBER: P935473
 CATALOG NUMBER: SQ4-FA-125U-050D-940-1D-UNV-STD-W-12

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	8.29	8.98	9.42	10.10	11.67	11.14	11.83	12.27	12.95	14.52
	3H	8.75	9.37	9.89	10.50	12.08	12.48	13.09	13.62	14.23	15.81
	4H	8.93	9.52	10.09	10.65	12.24	12.92	13.50	14.07	14.64	16.22
	6H	9.04	9.58	10.20	10.72	12.32	13.20	13.74	14.36	14.87	16.47
	8H	9.04	9.55	10.20	10.70	12.29	13.27	13.78	14.43	14.93	16.52
	12H	9.01	9.49	10.17	10.63	12.25	13.31	13.79	14.47	14.94	16.55
4H	2H	9.30	9.89	10.46	11.02	12.61	11.53	12.11	12.68	13.24	14.83
	3H	10.32	10.80	11.48	11.96	13.56	13.02	13.51	14.18	14.67	16.27
	4H	10.58	11.03	11.75	12.18	13.80	13.55	13.99	14.71	15.14	16.76
	6H	10.70	11.08	11.87	12.25	13.86	13.91	14.29	15.08	15.46	17.07
	8H	10.70	11.06	11.87	12.22	13.84	14.01	14.37	15.18	15.53	17.16
	12H	10.66	10.98	11.84	12.15	13.79	14.07	14.39	15.25	15.56	17.19
8H	4H	11.03	11.38	12.20	12.54	14.17	13.66	14.01	14.83	15.18	16.80
	6H	11.28	11.58	12.47	12.78	14.40	14.09	14.39	15.28	15.59	17.21
	8H	11.32	11.58	12.52	12.76	14.40	14.24	14.50	15.44	15.68	17.33
	12H	11.30	11.52	12.50	12.70	14.38	14.34	14.57	15.54	15.74	17.42
12H	4H	11.02	11.35	12.21	12.52	14.15	13.61	13.94	14.80	15.11	16.74
	6H	11.34	11.60	12.54	12.78	14.42	14.09	14.34	15.28	15.53	17.17
	8H	11.40	11.62	12.60	12.80	14.48	14.24	14.47	15.44	15.65	17.32