

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: P935516

Luminaire Tested: SQ4-FA-125U-075D-835-1D-UNV-STD-W-8

Issue Date: 12/17/2024

**Test Information**

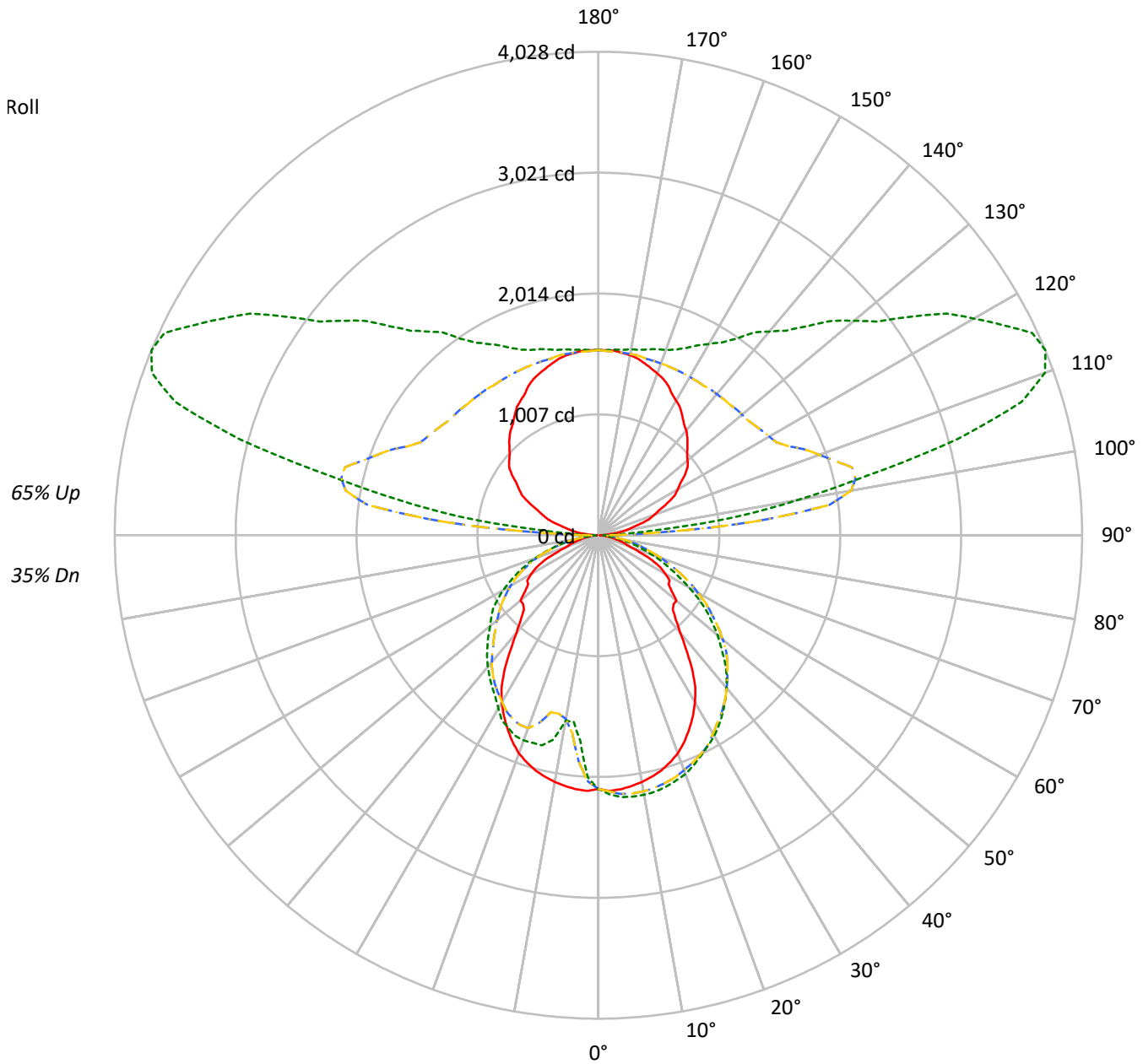
Test Method: LM-79-2019  
Report Number: P935516  
REPORT IS A COMBINATION OF REPORTS P933760 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-075D-835-1D-UNV-STD-W-8  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15489.0 lumens  
Efficiency: N/A  
Efficacy: 139.3 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: Semi-Indirect  
  
Input Watts (W): 111.2  
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				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	94	94	94	94	75	75	75	58	58	58	43	43	43	35				35
1	95	90	87	83	85	82	79	76	66	64	62	51	50	49	38	37	36	30				30
2	86	79	73	68	78	72	66	62	58	54	51	45	43	41	33	32	30	25				25
3	78	69	62	56	71	63	57	52	51	47	43	40	37	34	29	28	26	21				21
4	72	61	54	48	65	56	49	44	45	40	36	35	32	29	26	24	22	18				18
5	66	54	46	41	59	50	43	38	40	35	31	32	28	25	24	21	19	16				16
6	60	49	41	35	54	44	37	32	36	31	27	29	25	22	21	19	17	14				14
7	56	44	36	31	50	40	33	28	33	28	24	26	22	19	20	17	15	12				12
8	52	40	32	27	47	36	30	25	30	25	21	24	20	17	18	15	13	11				11
9	48	36	29	24	43	33	27	22	27	22	19	22	18	15	16	14	12	10				10
10	45	33	26	21	41	30	24	20	25	20	17	20	16	14	15	13	11	9				9

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

	0°	90°	180°	270°
0°	9808	9808	9808	9808
5°	9881	9900	9881	7785
10°	9815	9752	9815	6972
15°	9708	9541	9708	7967
20°	9505	9291	9505	7984
25°	9089	8926	9089	7814
30°	8552	8623	8552	7443
35°	7624	8239	7624	7035
40°	6353	7788	6353	6726
45°	5677	7259	5677	6371
50°	6031	6629	6031	6016
55°	5674	5951	5674	5810
60°	5849	5054	5849	5321
65°	5303	4178	5303	4670
70°	3672	3330	3672	3915
75°	3220	2461	3220	2947
80°	2595	1627	2595	1772
85°	1491	862	1491	733

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 8700 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	190.8	1.2
10°-20°	541.8	3.5
20°-30°	837.5	5.4
30°-40°	999.8	6.5
40°-50°	1005.6	6.5
50°-60°	875.1	5.6
60°-70°	620.4	4.0
70°-80°	328.2	2.1
80°-90°	87.6	0.6
90°-100°	752.1	4.9
100°-110°	1977.3	12.8
110°-120°	2050.2	13.2
120°-130°	1644.5	10.6
130°-140°	1290.4	8.3
140°-150°	990.4	6.4
150°-160°	713.3	4.6
160°-170°	436.4	2.8
170°-180°	147.4	1.0
0°-30°	1570.1	10.1
0°-40°	2569.9	16.6
0°-60°	4450.6	28.7
0°-90°	5486.9	35.4
90°-120°	4779.7	30.9
90°-150°	8705.0	56.2
90°-180°	10002.0	64.6
0°-180°	15489.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2114	2114	2114	2114	2114	
5°	2124	2190	2124	1722	2124	201
15°	2028	2170	2028	1812	2028	571
25°	1786	2024	1786	1772	1786	820
35°	1358	1806	1358	1542	1358	840
45°	876	1488	876	1306	876	702
55°	714	1098	714	1072	714	656
65°	496	662	496	740	496	474
75°	188	314	188	376	188	198
85°	32	80	32	68	32	43
90°	10	39	10	39	10	10
95°	99	455	99	455	99	110
105°	356	3096	356	3096	356	378
115°	633	3987	633	3987	633	625
125°	880	3175	880	3175	880	781
135°	1049	2464	1049	2464	1049	812
145°	1217	1998	1217	1998	1217	762
155°	1375	1721	1375	1721	1375	632
165°	1484	1603	1484	1603	1484	419
175°	1543	1553	1543	1553	1543	146
180°	1543	1543	1543	1543	1543	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9
2.5°	2131.9	2131.9	2143.9	2147.9	2147.9	2141.9	2135.9	2141.9	2159.9	2165.9	2163.9
5°	2123.9	2139.9	2161.9	2165.9	2169.9	2167.9	2163.9	2167.9	2187.9	2191.9	2193.9
7.5°	2107.9	2137.9	2165.9	2171.9	2177.9	2171.9	2169.9	2173.9	2193.9	2197.9	2197.9
10°	2087.9	2129.9	2161.9	2165.9	2171.9	2165.9	2165.9	2173.9	2193.9	2197.9	2199.9
12.5°	2059.9	2117.9	2147.9	2151.9	2159.9	2157.9	2155.9	2163.9	2183.9	2187.9	2187.9
15°	2027.9	2095.9	2123.9	2127.9	2141.9	2137.9	2137.9	2145.9	2167.9	2173.9	2171.9
17.5°	1983.9	2067.9	2099.9	2105.9	2115.9	2113.9	2115.9	2123.9	2143.9	2147.9	2149.9
20°	1933.9	2029.9	2067.9	2073.9	2083.9	2083.9	2083.9	2093.9	2113.9	2121.9	2121.9
22.5°	1865.9	1989.9	2029.9	2033.9	2045.9	2045.9	2049.9	2063.9	2081.9	2083.9	2083.9
25°	1785.9	1945.9	1979.9	1991.9	2003.9	2009.9	2015.9	2023.9	2029.9	2027.9	2029.9
27.5°	1701.9	1889.9	1933.9	1941.9	1957.9	1963.9	1971.9	1973.9	1975.9	1981.9	1977.9
30°	1607.9	1811.9	1877.9	1885.9	1911.9	1915.9	1907.9	1911.9	1921.9	1925.9	1929.9
32.5°	1501.9	1695.9	1819.9	1837.9	1861.9	1849.9	1847.9	1853.9	1869.9	1869.9	1873.9
35°	1357.9	1605.9	1765.9	1781.9	1799.9	1785.9	1793.9	1795.9	1805.9	1811.9	1809.9
37.5°	1199.9	1527.9	1709.9	1721.9	1735.9	1717.9	1729.9	1735.9	1743.9	1739.9	1739.9
40°	1060.0	1405.9	1643.9	1651.9	1663.9	1649.9	1661.9	1665.9	1669.9	1665.9	1663.9
42.5°	956.0	1271.9	1573.9	1583.9	1575.9	1585.9	1589.9	1597.9	1591.9	1583.9	1583.9
45°	876.0	1235.9	1497.9	1509.9	1497.9	1513.9	1519.9	1519.9	1501.9	1497.9	1495.9
47.5°	850.0	1164.0	1421.9	1421.9	1415.9	1435.9	1445.9	1431.9	1413.9	1407.9	1407.9
50°	848.0	1084.0	1317.9	1309.9	1337.9	1361.9	1351.9	1337.9	1323.9	1301.9	1301.9
52.5°	770.0	986.0	1184.0	1213.9	1257.9	1271.9	1255.9	1241.9	1217.9	1207.9	1199.9
55°	714.0	884.0	1062.0	1122.0	1168.0	1186.0	1156.0	1142.0	1106.0	1100.0	1096.0
57.5°	702.0	736.0	950.0	1026.0	1082.0	1080.0	1062.0	1036.0	1006.0	1000.0	998.0
60°	644.0	532.0	830.0	920.0	978.0	972.0	956.0	932.0	904.0	900.0	896.0
62.5°	584.0	386.0	694.0	796.0	878.0	876.0	862.0	826.0	806.0	796.0	788.0
65°	496.0	324.0	494.0	662.0	780.0	784.0	754.0	728.0	706.0	694.0	692.0
67.5°	378.0	264.0	334.0	552.0	686.0	682.0	644.0	632.0	604.0	598.0	586.0
70°	280.0	176.0	232.0	448.0	594.0	584.0	554.0	540.0	514.0	500.0	492.0
72.5°	232.0	142.0	170.0	348.0	500.0	488.0	462.0	446.0	424.0	412.0	404.0
75°	188.0	150.0	130.0	258.0	406.0	398.0	374.0	358.0	340.0	324.0	326.0
77.5°	138.0	140.0	104.0	190.0	322.0	310.0	296.0	276.0	268.0	252.0	252.0
80°	104.0	110.0	78.0	130.0	232.0	232.0	220.0	206.0	192.0	184.0	184.0
82.5°	70.0	70.0	58.0	82.0	158.0	152.0	144.0	140.0	132.0	128.0	128.0
85°	32.0	40.0	36.0	50.0	86.0	90.0	90.0	86.0	84.0	80.0	82.0
87.5°	10.0	18.0	22.0	28.0	44.0	46.0	48.0	48.0	48.0	50.0	50.0
90°	10.4	18.7	26.9	29.0	45.6	67.7	78.7	69.9	52.4	39.3	39.3
92.5°	41.4	111.8	182.3	199.9	281.0	389.1	443.2	388.4	278.9	196.7	188.9
95°	99.4	228.3	357.2	389.4	691.4	1094.1	1295.4	1156.0	877.1	667.9	644.2
97.5°	171.9	285.6	399.3	427.7	931.3	1602.8	1938.5	1850.4	1674.1	1541.9	1496.8
100°	227.8	330.9	434.0	459.8	1018.6	1763.7	2136.3	2142.7	2155.6	2165.3	2111.6
102.5°	275.4	371.6	467.8	491.9	1058.7	1814.4	2192.2	2304.5	2529.1	2697.5	2651.5
105°	356.2	437.7	519.1	539.5	1088.3	1820.1	2186.0	2437.7	2941.2	3318.8	3294.1
107.5°	439.1	515.0	590.9	609.9	1093.8	1739.1	2061.7	2412.9	3115.2	3641.9	3647.9
110°	495.0	563.6	632.2	649.3	1085.6	1667.3	1958.2	2350.8	3135.9	3724.7	3750.5



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	549.9	615.2	680.6	696.9	1085.9	1604.6	1863.9	2265.7	3069.2	3671.9	3711.5
115°	632.7	693.0	753.2	768.3	1095.9	1532.7	1751.1	2138.1	2912.2	3492.8	3547.7
117.5°	714.5	769.3	824.0	837.7	1116.3	1487.7	1673.4	2022.7	2721.3	3245.3	3306.2
120°	762.1	813.7	865.2	878.1	1132.8	1472.5	1642.3	1961.5	2599.8	3078.6	3137.7
122.5°	808.7	860.7	912.7	925.7	1156.6	1464.5	1618.5	1905.9	2480.8	2911.9	2970.2
125°	880.2	927.6	975.0	986.8	1188.7	1458.0	1592.6	1836.8	2325.1	2691.3	2745.0
127.5°	938.2	986.1	1033.9	1045.9	1220.9	1454.2	1570.9	1780.5	2199.8	2514.2	2559.5
130°	969.2	1020.8	1072.3	1085.2	1244.3	1456.5	1562.6	1749.2	2122.5	2402.4	2444.3
132.5°	1001.3	1052.9	1104.4	1117.3	1263.3	1458.0	1555.3	1722.4	2056.5	2307.1	2344.6
135°	1049.0	1095.9	1142.9	1154.6	1284.0	1456.6	1542.9	1682.8	1962.6	2172.5	2204.8
137.5°	1097.6	1144.1	1190.6	1202.2	1315.1	1465.6	1540.8	1659.1	1895.7	2073.1	2099.6
140°	1138.0	1180.8	1223.6	1234.3	1334.1	1467.1	1533.6	1635.8	1840.1	1993.4	2018.1
142.5°	1169.1	1208.7	1248.2	1258.1	1349.9	1472.4	1533.6	1623.3	1802.8	1937.4	1958.7
145°	1216.7	1251.2	1285.8	1294.4	1370.7	1472.4	1523.2	1596.6	1743.5	1853.6	1869.7
147.5°	1264.4	1298.0	1331.6	1340.0	1401.1	1482.5	1523.2	1581.0	1696.5	1783.2	1796.5
150°	1295.4	1325.8	1356.2	1363.8	1416.9	1487.8	1523.2	1572.0	1669.6	1742.8	1753.6
152.5°	1327.5	1350.5	1373.5	1379.3	1427.3	1491.2	1523.2	1564.9	1648.2	1710.7	1718.9
155°	1375.2	1392.2	1409.2	1413.5	1450.1	1498.8	1523.2	1556.4	1622.7	1672.4	1677.8
157.5°	1410.4	1426.9	1443.5	1447.6	1472.8	1506.4	1523.2	1549.0	1600.5	1639.2	1643.0
160°	1434.2	1447.1	1460.0	1463.2	1483.2	1509.9	1523.2	1545.3	1589.5	1622.6	1624.8
162.5°	1458.0	1467.6	1477.3	1479.7	1494.2	1513.5	1523.2	1541.8	1579.1	1607.1	1609.2
165°	1483.9	1492.7	1501.4	1503.6	1510.1	1518.8	1523.2	1536.6	1563.3	1583.3	1585.5
167.5°	1507.7	1511.8	1516.0	1517.0	1522.5	1529.9	1533.6	1542.3	1559.8	1572.9	1573.8
170°	1523.2	1527.4	1531.6	1532.6	1532.9	1533.4	1533.6	1542.3	1559.8	1572.9	1572.9
172.5°	1531.5	1532.4	1533.4	1533.6	1533.6	1533.6	1533.6	1540.5	1554.3	1564.7	1563.9
175°	1542.9	1542.9	1542.9	1542.9	1539.8	1535.7	1533.6	1538.0	1546.7	1553.3	1553.3
177.5°	1542.9	1542.9	1542.9	1542.9	1540.5	1537.3	1535.7	1539.1	1546.0	1551.2	1550.3
180°	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9
2.5°	2167.9	2161.9	2167.9	2163.9	2165.9	2159.9	2141.9	2135.9	2141.9	2147.9	2147.9
5°	2193.9	2189.9	2193.9	2193.9	2191.9	2187.9	2167.9	2163.9	2167.9	2169.9	2165.9
7.5°	2201.9	2195.9	2201.9	2197.9	2197.9	2193.9	2173.9	2169.9	2171.9	2177.9	2171.9
10°	2201.9	2195.9	2201.9	2199.9	2197.9	2193.9	2173.9	2165.9	2165.9	2171.9	2165.9
12.5°	2191.9	2187.9	2191.9	2187.9	2187.9	2183.9	2163.9	2155.9	2157.9	2159.9	2151.9
15°	2175.9	2169.9	2175.9	2171.9	2173.9	2167.9	2145.9	2137.9	2137.9	2141.9	2127.9
17.5°	2151.9	2143.9	2151.9	2149.9	2147.9	2143.9	2123.9	2115.9	2113.9	2115.9	2105.9
20°	2123.9	2117.9	2123.9	2121.9	2121.9	2113.9	2093.9	2083.9	2083.9	2083.9	2073.9
22.5°	2079.9	2073.9	2079.9	2083.9	2083.9	2081.9	2063.9	2049.9	2045.9	2045.9	2033.9
25°	2029.9	2023.9	2029.9	2029.9	2027.9	2029.9	2023.9	2015.9	2009.9	2003.9	1991.9
27.5°	1981.9	1977.9	1981.9	1977.9	1981.9	1975.9	1973.9	1971.9	1963.9	1957.9	1941.9
30°	1933.9	1929.9	1933.9	1929.9	1925.9	1921.9	1911.9	1907.9	1915.9	1911.9	1885.9
32.5°	1873.9	1869.9	1873.9	1873.9	1869.9	1869.9	1853.9	1847.9	1849.9	1861.9	1837.9
35°	1811.9	1805.9	1811.9	1809.9	1811.9	1805.9	1795.9	1793.9	1785.9	1799.9	1781.9
37.5°	1739.9	1733.9	1739.9	1739.9	1739.9	1743.9	1735.9	1729.9	1717.9	1735.9	1721.9
40°	1665.9	1657.9	1665.9	1663.9	1665.9	1669.9	1665.9	1661.9	1649.9	1663.9	1651.9
42.5°	1581.9	1579.9	1581.9	1583.9	1583.9	1591.9	1597.9	1589.9	1585.9	1575.9	1583.9
45°	1491.9	1487.9	1491.9	1495.9	1497.9	1501.9	1519.9	1519.9	1513.9	1497.9	1509.9
47.5°	1395.9	1385.9	1395.9	1407.9	1407.9	1413.9	1431.9	1445.9	1435.9	1415.9	1421.9
50°	1293.9	1295.9	1293.9	1301.9	1301.9	1323.9	1337.9	1351.9	1361.9	1337.9	1309.9
52.5°	1193.9	1192.0	1193.9	1199.9	1207.9	1217.9	1241.9	1255.9	1271.9	1257.9	1213.9
55°	1094.0	1098.0	1094.0	1096.0	1100.0	1106.0	1142.0	1156.0	1186.0	1168.0	1122.0
57.5°	994.0	988.0	994.0	998.0	1000.0	1006.0	1036.0	1062.0	1080.0	1082.0	1026.0
60°	878.0	870.0	878.0	896.0	900.0	904.0	932.0	956.0	972.0	978.0	920.0
62.5°	776.0	762.0	776.0	788.0	796.0	806.0	826.0	862.0	876.0	878.0	796.0
65°	668.0	662.0	668.0	692.0	694.0	706.0	728.0	754.0	784.0	780.0	662.0
67.5°	570.0	570.0	570.0	586.0	598.0	604.0	632.0	644.0	682.0	686.0	552.0
70°	480.0	478.0	480.0	492.0	500.0	514.0	540.0	554.0	584.0	594.0	448.0
72.5°	394.0	392.0	394.0	404.0	412.0	424.0	446.0	462.0	488.0	500.0	348.0
75°	318.0	314.0	318.0	326.0	324.0	340.0	358.0	374.0	398.0	406.0	258.0
77.5°	244.0	244.0	244.0	252.0	252.0	268.0	276.0	296.0	310.0	322.0	190.0
80°	182.0	180.0	182.0	184.0	184.0	192.0	206.0	220.0	232.0	232.0	130.0
82.5°	128.0	124.0	128.0	128.0	128.0	132.0	140.0	144.0	152.0	158.0	82.0
85°	80.0	80.0	80.0	82.0	80.0	84.0	86.0	90.0	90.0	86.0	50.0
87.5°	52.0	50.0	52.0	50.0	50.0	48.0	48.0	48.0	46.0	44.0	28.0
90°	39.3	39.3	39.3	39.3	39.3	52.4	69.9	78.7	67.7	45.6	29.0
92.5°	157.6	126.3	157.6	188.9	196.7	278.9	388.4	443.2	389.1	281.0	199.9
95°	549.4	454.6	549.4	644.2	667.9	877.1	1156.0	1295.4	1094.1	691.4	389.4
97.5°	1316.4	1136.0	1316.4	1496.8	1541.9	1674.1	1850.4	1938.5	1602.8	931.3	427.7
100°	1896.6	1681.7	1896.6	2111.6	2165.3	2155.6	2142.7	2136.3	1763.7	1018.6	459.8
102.5°	2467.4	2283.3	2467.4	2651.5	2697.5	2529.1	2304.5	2192.2	1814.4	1058.7	491.9
105°	3195.1	3096.2	3195.1	3294.1	3318.8	2941.2	2437.7	2186.0	1820.1	1088.3	539.5
107.5°	3671.8	3695.7	3671.8	3647.9	3641.9	3115.2	2412.9	2061.7	1739.1	1093.8	609.9
110°	3853.6	3956.7	3853.6	3750.5	3724.7	3135.9	2350.8	1958.2	1667.3	1085.6	649.3





TEST NUMBER: P935516

CATALOG NUMBER: SQ4-FA-125U-075D-835-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3869.8	4028.1	3869.8	3711.5	3671.9	3069.2	2265.7	1863.9	1604.6	1085.9	696.9
115°	3767.2	3986.7	3767.2	3547.7	3492.8	2912.2	2138.1	1751.1	1532.7	1095.9	768.3
117.5°	3549.6	3793.1	3549.6	3306.2	3245.3	2721.3	2022.7	1673.4	1487.7	1116.3	837.7
120°	3374.3	3610.8	3374.3	3137.7	3078.6	2599.8	1961.5	1642.3	1472.5	1132.8	878.1
122.5°	3203.6	3436.9	3203.6	2970.2	2911.9	2480.8	1905.9	1618.5	1464.5	1156.6	925.7
125°	2960.0	3174.9	2960.0	2745.0	2691.3	2325.1	1836.8	1592.6	1458.0	1188.7	986.8
127.5°	2740.9	2922.2	2740.9	2559.5	2514.2	2199.8	1780.5	1570.9	1454.2	1220.9	1045.9
130°	2611.8	2779.3	2611.8	2444.3	2402.4	2122.5	1749.2	1562.6	1456.5	1244.3	1085.2
132.5°	2494.7	2644.7	2494.7	2344.6	2307.1	2056.5	1722.4	1555.3	1458.0	1263.3	1117.3
135°	2334.2	2463.5	2334.2	2204.8	2172.5	1962.6	1682.8	1542.9	1456.6	1284.0	1154.6
137.5°	2205.4	2311.3	2205.4	2099.6	2073.1	1895.7	1659.1	1540.8	1465.6	1315.1	1202.2
140°	2117.1	2216.0	2117.1	2018.1	1993.4	1840.1	1635.8	1533.6	1467.1	1334.1	1234.3
142.5°	2043.8	2129.0	2043.8	1958.7	1937.4	1802.8	1623.3	1533.6	1472.4	1349.9	1258.1
145°	1934.1	1998.5	1934.1	1869.7	1853.6	1743.5	1596.6	1523.2	1472.4	1370.7	1294.4
147.5°	1849.9	1903.3	1849.9	1796.5	1783.2	1696.5	1581.0	1523.2	1482.5	1401.1	1340.0
150°	1796.9	1840.1	1796.9	1753.6	1742.8	1669.6	1572.0	1523.2	1487.8	1416.9	1363.8
152.5°	1751.5	1784.2	1751.5	1718.9	1710.7	1648.2	1564.9	1523.2	1491.2	1427.3	1379.3
155°	1699.4	1721.0	1699.4	1677.8	1672.4	1622.7	1556.4	1523.2	1498.8	1450.1	1413.5
157.5°	1658.2	1673.4	1658.2	1643.0	1639.2	1600.5	1549.0	1523.2	1506.4	1472.8	1447.6
160°	1633.5	1642.3	1633.5	1624.8	1622.6	1589.5	1545.3	1523.2	1509.9	1483.2	1463.2
162.5°	1617.5	1625.8	1617.5	1609.2	1607.1	1579.1	1541.8	1523.2	1513.5	1494.2	1479.7
165°	1594.2	1603.0	1594.2	1585.5	1583.3	1563.3	1536.6	1523.2	1518.8	1510.1	1503.6
167.5°	1577.5	1581.2	1577.5	1573.8	1572.9	1559.8	1542.3	1533.6	1529.9	1522.5	1517.0
170°	1572.9	1572.9	1572.9	1572.9	1572.9	1559.8	1542.3	1533.6	1533.4	1532.9	1532.6
172.5°	1560.6	1557.4	1560.6	1563.9	1564.7	1554.3	1540.5	1533.6	1533.6	1533.6	1533.6
175°	1553.3	1553.3	1553.3	1553.3	1553.3	1546.7	1538.0	1533.6	1535.7	1539.8	1542.9
177.5°	1546.6	1542.9	1546.6	1550.3	1551.2	1546.0	1539.1	1535.7	1537.3	1540.5	1542.9
180°	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9



TEST NUMBER: P935516  
 CATALOG NUMBER: SQ4-FA-125U-075D-835-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9
2.5°	2143.9	2131.9	2131.9	2111.9	2103.9	2097.9	2087.9	2057.9	2049.9	2041.9	2053.9
5°	2161.9	2139.9	2123.9	2087.9	2057.9	2045.9	2007.9	1935.9	1887.9	1851.9	1831.9
7.5°	2165.9	2137.9	2107.9	2051.9	1979.9	1947.9	1831.9	1699.9	1663.9	1631.9	1611.9
10°	2161.9	2129.9	2087.9	2003.9	1833.9	1777.9	1661.9	1575.9	1553.9	1547.9	1553.9
12.5°	2147.9	2117.9	2059.9	1919.9	1681.9	1643.9	1575.9	1525.9	1521.9	1531.9	1585.9
15°	2123.9	2095.9	2027.9	1807.9	1597.9	1569.9	1521.9	1503.9	1525.9	1595.9	1757.9
17.5°	2099.9	2067.9	1983.9	1697.9	1533.9	1513.9	1479.9	1515.9	1639.9	1733.9	1787.9
20°	2067.9	2029.9	1933.9	1617.9	1487.9	1469.9	1453.9	1615.9	1709.9	1743.9	1773.9
22.5°	2029.9	1989.9	1865.9	1561.9	1439.9	1425.9	1435.9	1671.9	1709.9	1733.9	1759.9
25°	1979.9	1945.9	1785.9	1517.9	1401.9	1385.9	1423.9	1665.9	1687.9	1693.9	1745.9
27.5°	1933.9	1889.9	1701.9	1477.9	1355.9	1349.9	1433.9	1639.9	1655.9	1661.9	1717.9
30°	1877.9	1811.9	1607.9	1435.9	1307.9	1305.9	1435.9	1607.9	1603.9	1619.9	1675.9
32.5°	1819.9	1695.9	1501.9	1383.9	1261.9	1259.9	1421.9	1559.9	1555.9	1577.9	1619.9
35°	1765.9	1605.9	1357.9	1323.9	1203.9	1205.9	1387.9	1503.9	1505.9	1525.9	1551.9
37.5°	1709.9	1527.9	1199.9	1257.9	1148.0	1148.0	1341.9	1451.9	1447.9	1453.9	1489.9
40°	1643.9	1405.9	1060.0	1172.0	1096.0	1090.0	1285.9	1395.9	1381.9	1379.9	1429.9
42.5°	1573.9	1271.9	956.0	1058.0	1036.0	1028.0	1217.9	1327.9	1301.9	1307.9	1371.9
45°	1497.9	1235.9	876.0	894.0	974.0	968.0	1144.0	1249.9	1231.9	1247.9	1313.9
47.5°	1421.9	1164.0	850.0	742.0	908.0	906.0	1062.0	1174.0	1164.0	1180.0	1249.9
50°	1317.9	1084.0	848.0	636.0	834.0	842.0	964.0	1100.0	1100.0	1114.0	1188.0
52.5°	1184.0	986.0	770.0	576.0	748.0	772.0	878.0	1036.0	1040.0	1054.0	1120.0
55°	1062.0	884.0	714.0	530.0	646.0	698.0	794.0	970.0	978.0	992.0	1052.0
57.5°	950.0	736.0	702.0	476.0	552.0	602.0	720.0	906.0	910.0	922.0	980.0
60°	830.0	532.0	644.0	418.0	470.0	508.0	652.0	830.0	844.0	852.0	902.0
62.5°	694.0	386.0	584.0	378.0	430.0	438.0	596.0	758.0	776.0	782.0	812.0
65°	494.0	324.0	496.0	344.0	388.0	390.0	536.0	684.0	700.0	710.0	732.0
67.5°	334.0	264.0	378.0	312.0	356.0	358.0	478.0	598.0	620.0	628.0	642.0
70°	232.0	176.0	280.0	278.0	320.0	324.0	416.0	520.0	540.0	546.0	554.0
72.5°	170.0	142.0	232.0	250.0	282.0	286.0	352.0	432.0	452.0	458.0	462.0
75°	130.0	150.0	188.0	218.0	240.0	242.0	288.0	352.0	366.0	370.0	372.0
77.5°	104.0	140.0	138.0	176.0	196.0	192.0	226.0	272.0	284.0	284.0	284.0
80°	78.0	110.0	104.0	126.0	144.0	140.0	162.0	194.0	198.0	202.0	200.0
82.5°	58.0	70.0	70.0	80.0	96.0	92.0	108.0	126.0	126.0	126.0	130.0
85°	36.0	40.0	32.0	42.0	54.0	52.0	60.0	68.0	70.0	70.0	66.0
87.5°	22.0	18.0	10.0	16.0	24.0	24.0	28.0	30.0	28.0	28.0	28.0
90°	26.9	18.7	10.4	18.7	26.9	29.0	45.6	67.7	78.7	69.9	52.4
92.5°	182.3	111.8	41.4	111.8	182.3	199.9	281.0	389.1	443.2	388.4	278.9
95°	357.2	228.3	99.4	228.3	357.2	389.4	691.4	1094.1	1295.4	1156.0	877.1
97.5°	399.3	285.6	171.9	285.6	399.3	427.7	931.3	1602.8	1938.5	1850.4	1674.1
100°	434.0	330.9	227.8	330.9	434.0	459.8	1018.6	1763.7	2136.3	2142.7	2155.6
102.5°	467.8	371.6	275.4	371.6	467.8	491.9	1058.7	1814.4	2192.2	2304.5	2529.1
105°	519.1	437.7	356.2	437.7	519.1	539.5	1088.3	1820.1	2186.0	2437.7	2941.2
107.5°	590.9	515.0	439.1	515.0	590.9	609.9	1093.8	1739.1	2061.7	2412.9	3115.2
110°	632.2	563.6	495.0	563.6	632.2	649.3	1085.6	1667.3	1958.2	2350.8	3135.9



TEST NUMBER: P935516

CATALOG NUMBER: SQ4-FA-125U-075D-835-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	680.6	615.2	549.9	615.2	680.6	696.9	1085.9	1604.6	1863.9	2265.7	3069.2
115°	753.2	693.0	632.7	693.0	753.2	768.3	1095.9	1532.7	1751.1	2138.1	2912.2
117.5°	824.0	769.3	714.5	769.3	824.0	837.7	1116.3	1487.7	1673.4	2022.7	2721.3
120°	865.2	813.7	762.1	813.7	865.2	878.1	1132.8	1472.5	1642.3	1961.5	2599.8
122.5°	912.7	860.7	808.7	860.7	912.7	925.7	1156.6	1464.5	1618.5	1905.9	2480.8
125°	975.0	927.6	880.2	927.6	975.0	986.8	1188.7	1458.0	1592.6	1836.8	2325.1
127.5°	1033.9	986.1	938.2	986.1	1033.9	1045.9	1220.9	1454.2	1570.9	1780.5	2199.8
130°	1072.3	1020.8	969.2	1020.8	1072.3	1085.2	1244.3	1456.5	1562.6	1749.2	2122.5
132.5°	1104.4	1052.9	1001.3	1052.9	1104.4	1117.3	1263.3	1458.0	1555.3	1722.4	2056.5
135°	1142.9	1095.9	1049.0	1095.9	1142.9	1154.6	1284.0	1456.6	1542.9	1682.8	1962.6
137.5°	1190.6	1144.1	1097.6	1144.1	1190.6	1202.2	1315.1	1465.6	1540.8	1659.1	1895.7
140°	1223.6	1180.8	1138.0	1180.8	1223.6	1234.3	1334.1	1467.1	1533.6	1635.8	1840.1
142.5°	1248.2	1208.7	1169.1	1208.7	1248.2	1258.1	1349.9	1472.4	1533.6	1623.3	1802.8
145°	1285.8	1251.2	1216.7	1251.2	1285.8	1294.4	1370.7	1472.4	1523.2	1596.6	1743.5
147.5°	1331.6	1298.0	1264.4	1298.0	1331.6	1340.0	1401.1	1482.5	1523.2	1581.0	1696.5
150°	1356.2	1325.8	1295.4	1325.8	1356.2	1363.8	1416.9	1487.8	1523.2	1572.0	1669.6
152.5°	1373.5	1350.5	1327.5	1350.5	1373.5	1379.3	1427.3	1491.2	1523.2	1564.9	1648.2
155°	1409.2	1392.2	1375.2	1392.2	1409.2	1413.5	1450.1	1498.8	1523.2	1556.4	1622.7
157.5°	1443.5	1426.9	1410.4	1426.9	1443.5	1447.6	1472.8	1506.4	1523.2	1549.0	1600.5
160°	1460.0	1447.1	1434.2	1447.1	1460.0	1463.2	1483.2	1509.9	1523.2	1545.3	1589.5
162.5°	1477.3	1467.6	1458.0	1467.6	1477.3	1479.7	1494.2	1513.5	1523.2	1541.8	1579.1
165°	1501.4	1492.7	1483.9	1492.7	1501.4	1503.6	1510.1	1518.8	1523.2	1536.6	1563.3
167.5°	1516.0	1511.8	1507.7	1511.8	1516.0	1517.0	1522.5	1529.9	1533.6	1542.3	1559.8
170°	1531.6	1527.4	1523.2	1527.4	1531.6	1532.6	1532.9	1533.4	1533.6	1542.3	1559.8
172.5°	1533.4	1532.4	1531.5	1532.4	1533.4	1533.6	1533.6	1533.6	1533.6	1540.5	1554.3
175°	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1539.8	1535.7	1533.6	1538.0	1546.7
177.5°	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1540.5	1537.3	1535.7	1539.1	1546.0
180°	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9



TEST NUMBER: P935516  
 CATALOG NUMBER: SQ4-FA-125U-075D-835-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9
2.5°	2039.9	2033.9	2041.9	2019.9	2041.9	2033.9	2039.9	2053.9	2041.9	2049.9	2057.9
5°	1789.9	1779.9	1747.9	1721.9	1747.9	1779.9	1789.9	1831.9	1851.9	1887.9	1935.9
7.5°	1599.9	1591.9	1583.9	1567.9	1583.9	1591.9	1599.9	1611.9	1631.9	1663.9	1699.9
10°	1557.9	1559.9	1571.9	1569.9	1571.9	1559.9	1557.9	1553.9	1547.9	1553.9	1575.9
12.5°	1665.9	1683.9	1749.9	1745.9	1749.9	1683.9	1665.9	1585.9	1531.9	1521.9	1525.9
15°	1789.9	1795.9	1809.9	1811.9	1809.9	1795.9	1789.9	1757.9	1595.9	1525.9	1503.9
17.5°	1801.9	1803.9	1813.9	1813.9	1813.9	1803.9	1801.9	1787.9	1733.9	1639.9	1515.9
20°	1791.9	1795.9	1815.9	1819.9	1815.9	1795.9	1791.9	1773.9	1743.9	1709.9	1615.9
22.5°	1787.9	1795.9	1811.9	1809.9	1811.9	1795.9	1787.9	1759.9	1733.9	1709.9	1671.9
25°	1767.9	1767.9	1769.9	1771.9	1769.9	1767.9	1767.9	1745.9	1693.9	1687.9	1665.9
27.5°	1725.9	1729.9	1741.9	1739.9	1741.9	1729.9	1725.9	1717.9	1661.9	1655.9	1639.9
30°	1687.9	1683.9	1673.9	1665.9	1673.9	1683.9	1687.9	1675.9	1619.9	1603.9	1607.9
32.5°	1623.9	1613.9	1603.9	1597.9	1603.9	1613.9	1623.9	1619.9	1577.9	1555.9	1559.9
35°	1547.9	1549.9	1547.9	1541.9	1547.9	1549.9	1547.9	1551.9	1525.9	1505.9	1503.9
37.5°	1493.9	1497.9	1495.9	1487.9	1495.9	1497.9	1493.9	1489.9	1453.9	1447.9	1451.9
40°	1437.9	1439.9	1437.9	1431.9	1437.9	1439.9	1437.9	1429.9	1379.9	1381.9	1395.9
42.5°	1383.9	1381.9	1375.9	1371.9	1375.9	1381.9	1383.9	1371.9	1307.9	1301.9	1327.9
45°	1321.9	1323.9	1311.9	1305.9	1311.9	1323.9	1321.9	1313.9	1247.9	1231.9	1249.9
47.5°	1259.9	1259.9	1249.9	1243.9	1249.9	1259.9	1259.9	1249.9	1180.0	1164.0	1174.0
50°	1193.9	1192.0	1178.0	1176.0	1178.0	1192.0	1193.9	1188.0	1114.0	1100.0	1100.0
52.5°	1118.0	1118.0	1120.0	1124.0	1120.0	1118.0	1118.0	1120.0	1054.0	1040.0	1036.0
55°	1052.0	1054.0	1068.0	1072.0	1068.0	1054.0	1052.0	1052.0	992.0	978.0	970.0
57.5°	984.0	984.0	994.0	994.0	994.0	984.0	984.0	980.0	922.0	910.0	906.0
60°	906.0	910.0	918.0	916.0	918.0	910.0	906.0	902.0	852.0	844.0	830.0
62.5°	824.0	828.0	830.0	826.0	830.0	828.0	824.0	812.0	782.0	776.0	758.0
65°	738.0	742.0	744.0	740.0	744.0	742.0	738.0	732.0	710.0	700.0	684.0
67.5°	650.0	648.0	646.0	654.0	646.0	648.0	650.0	642.0	628.0	620.0	598.0
70°	560.0	560.0	558.0	562.0	558.0	560.0	560.0	554.0	546.0	540.0	520.0
72.5°	464.0	462.0	470.0	464.0	470.0	462.0	464.0	462.0	458.0	452.0	432.0
75°	370.0	374.0	370.0	376.0	370.0	374.0	370.0	372.0	370.0	366.0	352.0
77.5°	282.0	286.0	282.0	282.0	282.0	286.0	282.0	284.0	284.0	284.0	272.0
80°	200.0	198.0	198.0	196.0	198.0	198.0	200.0	200.0	202.0	198.0	194.0
82.5°	128.0	126.0	126.0	130.0	126.0	126.0	128.0	130.0	126.0	126.0	126.0
85°	70.0	72.0	68.0	68.0	68.0	72.0	70.0	66.0	70.0	70.0	68.0
87.5°	26.0	24.0	24.0	24.0	24.0	24.0	26.0	28.0	28.0	28.0	30.0
90°	39.3	39.3	39.3	39.3	39.3	39.3	39.3	52.4	69.9	78.7	67.7
92.5°	196.7	188.9	157.6	126.3	157.6	188.9	196.7	278.9	388.4	443.2	389.1
95°	667.9	644.2	549.4	454.6	549.4	644.2	667.9	877.1	1156.0	1295.4	1094.1
97.5°	1541.9	1496.8	1316.4	1136.0	1316.4	1496.8	1541.9	1674.1	1850.4	1938.5	1602.8
100°	2165.3	2111.6	1896.6	1681.7	1896.6	2111.6	2165.3	2155.6	2142.7	2136.3	1763.7
102.5°	2697.5	2651.5	2467.4	2283.3	2467.4	2651.5	2697.5	2529.1	2304.5	2192.2	1814.4
105°	3318.8	3294.1	3195.1	3096.2	3195.1	3294.1	3318.8	2941.2	2437.7	2186.0	1820.1
107.5°	3641.9	3647.9	3671.8	3695.7	3671.8	3647.9	3641.9	3115.2	2412.9	2061.7	1739.1
110°	3724.7	3750.5	3853.6	3956.7	3853.6	3750.5	3724.7	3135.9	2350.8	1958.2	1667.3



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3671.9	3711.5	3869.8	4028.1	3869.8	3711.5	3671.9	3069.2	2265.7	1863.9	1604.6
115°	3492.8	3547.7	3767.2	3986.7	3767.2	3547.7	3492.8	2912.2	2138.1	1751.1	1532.7
117.5°	3245.3	3306.2	3549.6	3793.1	3549.6	3306.2	3245.3	2721.3	2022.7	1673.4	1487.7
120°	3078.6	3137.7	3374.3	3610.8	3374.3	3137.7	3078.6	2599.8	1961.5	1642.3	1472.5
122.5°	2911.9	2970.2	3203.6	3436.9	3203.6	2970.2	2911.9	2480.8	1905.9	1618.5	1464.5
125°	2691.3	2745.0	2960.0	3174.9	2960.0	2745.0	2691.3	2325.1	1836.8	1592.6	1458.0
127.5°	2514.2	2559.5	2740.9	2922.2	2740.9	2559.5	2514.2	2199.8	1780.5	1570.9	1454.2
130°	2402.4	2444.3	2611.8	2779.3	2611.8	2444.3	2402.4	2122.5	1749.2	1562.6	1456.5
132.5°	2307.1	2344.6	2494.7	2644.7	2494.7	2344.6	2307.1	2056.5	1722.4	1555.3	1458.0
135°	2172.5	2204.8	2334.2	2463.5	2334.2	2204.8	2172.5	1962.6	1682.8	1542.9	1456.6
137.5°	2073.1	2099.6	2205.4	2311.3	2205.4	2099.6	2073.1	1895.7	1659.1	1540.8	1465.6
140°	1993.4	2018.1	2117.1	2216.0	2117.1	2018.1	1993.4	1840.1	1635.8	1533.6	1467.1
142.5°	1937.4	1958.7	2043.8	2129.0	2043.8	1958.7	1937.4	1802.8	1623.3	1533.6	1472.4
145°	1853.6	1869.7	1934.1	1998.5	1934.1	1869.7	1853.6	1743.5	1596.6	1523.2	1472.4
147.5°	1783.2	1796.5	1849.9	1903.3	1849.9	1796.5	1783.2	1696.5	1581.0	1523.2	1482.5
150°	1742.8	1753.6	1796.9	1840.1	1796.9	1753.6	1742.8	1669.6	1572.0	1523.2	1487.8
152.5°	1710.7	1718.9	1751.5	1784.2	1751.5	1718.9	1710.7	1648.2	1564.9	1523.2	1491.2
155°	1672.4	1677.8	1699.4	1721.0	1699.4	1677.8	1672.4	1622.7	1556.4	1523.2	1498.8
157.5°	1639.2	1643.0	1658.2	1673.4	1658.2	1643.0	1639.2	1600.5	1549.0	1523.2	1506.4
160°	1622.6	1624.8	1633.5	1642.3	1633.5	1624.8	1622.6	1589.5	1545.3	1523.2	1509.9
162.5°	1607.1	1609.2	1617.5	1625.8	1617.5	1609.2	1607.1	1579.1	1541.8	1523.2	1513.5
165°	1583.3	1585.5	1594.2	1603.0	1594.2	1585.5	1583.3	1563.3	1536.6	1523.2	1518.8
167.5°	1572.9	1573.8	1577.5	1581.2	1577.5	1573.8	1572.9	1559.8	1542.3	1533.6	1529.9
170°	1572.9	1572.9	1572.9	1572.9	1572.9	1572.9	1572.9	1559.8	1542.3	1533.6	1533.4
172.5°	1564.7	1563.9	1560.6	1557.4	1560.6	1563.9	1564.7	1554.3	1540.5	1533.6	1533.6
175°	1553.3	1553.3	1553.3	1553.3	1553.3	1553.3	1553.3	1546.7	1538.0	1533.6	1535.7
177.5°	1551.2	1550.3	1546.6	1542.9	1546.6	1550.3	1551.2	1546.0	1539.1	1535.7	1537.3
180°	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2113.9	2113.9	2113.9	2113.9	2113.9
2.5°	2087.9	2097.9	2103.9	2111.9	2131.9
5°	2007.9	2045.9	2057.9	2087.9	2123.9
7.5°	1831.9	1947.9	1979.9	2051.9	2107.9
10°	1661.9	1777.9	1833.9	2003.9	2087.9
12.5°	1575.9	1643.9	1681.9	1919.9	2059.9
15°	1521.9	1569.9	1597.9	1807.9	2027.9
17.5°	1479.9	1513.9	1533.9	1697.9	1983.9
20°	1453.9	1469.9	1487.9	1617.9	1933.9
22.5°	1435.9	1425.9	1439.9	1561.9	1865.9
25°	1423.9	1385.9	1401.9	1517.9	1785.9
27.5°	1433.9	1349.9	1355.9	1477.9	1701.9
30°	1435.9	1305.9	1307.9	1435.9	1607.9
32.5°	1421.9	1259.9	1261.9	1383.9	1501.9
35°	1387.9	1205.9	1203.9	1323.9	1357.9
37.5°	1341.9	1148.0	1148.0	1257.9	1199.9
40°	1285.9	1090.0	1096.0	1172.0	1060.0
42.5°	1217.9	1028.0	1036.0	1058.0	956.0
45°	1144.0	968.0	974.0	894.0	876.0
47.5°	1062.0	906.0	908.0	742.0	850.0
50°	964.0	842.0	834.0	636.0	848.0
52.5°	878.0	772.0	748.0	576.0	770.0
55°	794.0	698.0	646.0	530.0	714.0
57.5°	720.0	602.0	552.0	476.0	702.0
60°	652.0	508.0	470.0	418.0	644.0
62.5°	596.0	438.0	430.0	378.0	584.0
65°	536.0	390.0	388.0	344.0	496.0
67.5°	478.0	358.0	356.0	312.0	378.0
70°	416.0	324.0	320.0	278.0	280.0
72.5°	352.0	286.0	282.0	250.0	232.0
75°	288.0	242.0	240.0	218.0	188.0
77.5°	226.0	192.0	196.0	176.0	138.0
80°	162.0	140.0	144.0	126.0	104.0
82.5°	108.0	92.0	96.0	80.0	70.0
85°	60.0	52.0	54.0	42.0	32.0
87.5°	28.0	24.0	24.0	16.0	10.0
90°	45.6	29.0	26.9	18.7	10.4
92.5°	281.0	199.9	182.3	111.8	41.4
95°	691.4	389.4	357.2	228.3	99.4
97.5°	931.3	427.7	399.3	285.6	171.9
100°	1018.6	459.8	434.0	330.9	227.8
102.5°	1058.7	491.9	467.8	371.6	275.4
105°	1088.3	539.5	519.1	437.7	356.2
107.5°	1093.8	609.9	590.9	515.0	439.1
110°	1085.6	649.3	632.2	563.6	495.0



TEST NUMBER: P935516

CATALOG NUMBER: SQ4-FA-125U-075D-835-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1085.9	696.9	680.6	615.2	549.9
115°	1095.9	768.3	753.2	693.0	632.7
117.5°	1116.3	837.7	824.0	769.3	714.5
120°	1132.8	878.1	865.2	813.7	762.1
122.5°	1156.6	925.7	912.7	860.7	808.7
125°	1188.7	986.8	975.0	927.6	880.2
127.5°	1220.9	1045.9	1033.9	986.1	938.2
130°	1244.3	1085.2	1072.3	1020.8	969.2
132.5°	1263.3	1117.3	1104.4	1052.9	1001.3
135°	1284.0	1154.6	1142.9	1095.9	1049.0
137.5°	1315.1	1202.2	1190.6	1144.1	1097.6
140°	1334.1	1234.3	1223.6	1180.8	1138.0
142.5°	1349.9	1258.1	1248.2	1208.7	1169.1
145°	1370.7	1294.4	1285.8	1251.2	1216.7
147.5°	1401.1	1340.0	1331.6	1298.0	1264.4
150°	1416.9	1363.8	1356.2	1325.8	1295.4
152.5°	1427.3	1379.3	1373.5	1350.5	1327.5
155°	1450.1	1413.5	1409.2	1392.2	1375.2
157.5°	1472.8	1447.6	1443.5	1426.9	1410.4
160°	1483.2	1463.2	1460.0	1447.1	1434.2
162.5°	1494.2	1479.7	1477.3	1467.6	1458.0
165°	1510.1	1503.6	1501.4	1492.7	1483.9
167.5°	1522.5	1517.0	1516.0	1511.8	1507.7
170°	1532.9	1532.6	1531.6	1527.4	1523.2
172.5°	1533.6	1533.6	1533.4	1532.4	1531.5
175°	1539.8	1542.9	1542.9	1542.9	1542.9
177.5°	1540.5	1542.9	1542.9	1542.9	1542.9
180°	1542.9	1542.9	1542.9	1542.9	1542.9



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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	11.22	11.96	12.29	13.04	14.50	14.06	14.80	15.13	15.87	17.34
	3H	11.69	12.35	12.77	13.43	14.92	15.39	16.06	16.48	17.14	18.63
	4H	11.87	12.50	12.96	13.59	15.08	15.83	16.47	16.93	17.55	19.04
	6H	11.98	12.57	13.09	13.65	15.15	16.12	16.70	17.22	17.78	19.29
	8H	11.98	12.54	13.09	13.64	15.13	16.19	16.74	17.29	17.84	19.34
	12H	11.95	12.47	13.06	13.57	15.09	16.22	16.75	17.33	17.85	19.36
4H	2H	12.24	12.87	13.34	13.95	15.44	14.45	15.08	15.55	16.17	17.66
	3H	13.25	13.78	14.36	14.89	16.39	15.95	16.47	17.05	17.58	19.09
	4H	13.52	14.01	14.64	15.11	16.63	16.47	16.95	17.58	18.06	19.58
	6H	13.64	14.06	14.76	15.18	16.70	16.83	17.25	17.95	18.37	19.89
	8H	13.65	14.03	14.76	15.15	16.68	16.94	17.32	18.06	18.44	19.97
	12H	13.61	13.96	14.74	15.09	16.62	16.99	17.34	18.13	18.47	20.00
8H	4H	13.97	14.36	15.09	15.47	17.00	16.59	16.97	17.71	18.09	19.62
	6H	14.23	14.55	15.37	15.70	17.23	17.02	17.34	18.16	18.50	20.03
	8H	14.27	14.55	15.41	15.69	17.23	17.17	17.45	18.32	18.59	20.14
	12H	14.25	14.49	15.40	15.63	17.21	17.27	17.51	18.42	18.65	20.23
12H	4H	13.97	14.32	15.11	15.45	16.99	16.55	16.90	17.68	18.02	19.56
	6H	14.29	14.57	15.43	15.71	17.25	17.02	17.30	18.16	18.43	19.98
	8H	14.35	14.59	15.50	15.73	17.31	17.17	17.42	18.32	18.55	20.14