

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: P935546

Luminaire Tested: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-8-4000K

Issue Date: 12/17/2024

**Test Information**

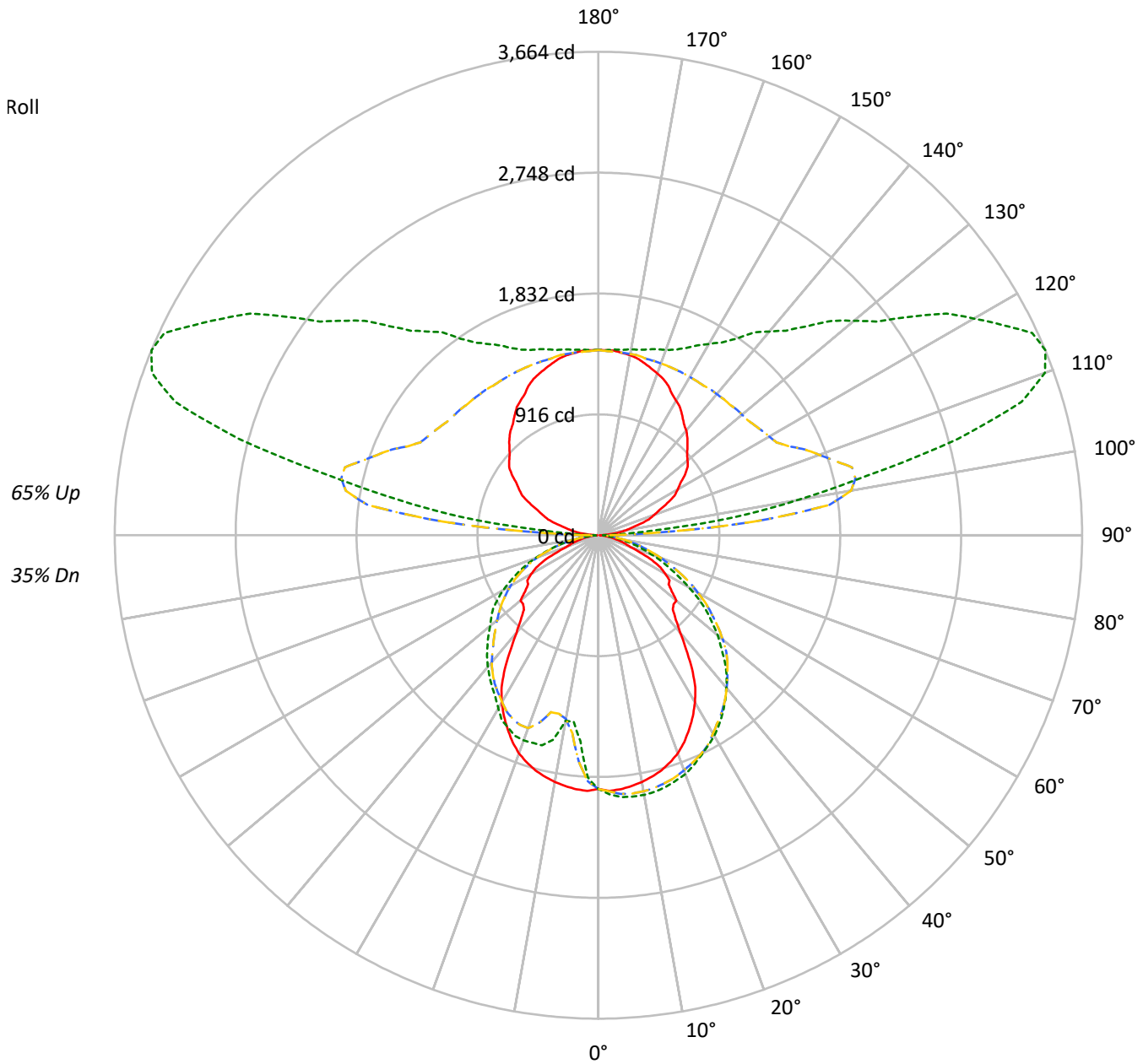
Test Method: LM-79-2019  
Report Number: P935546  
REPORT IS A COMBINATION OF REPORTS P933760 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-8-4000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14089.4 lumens  
Efficiency: N/A  
Efficacy: 126.7 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

TEST NUMBER: P935546  
CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-8-4000K

### Luminous Intensity Polar Plot



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



TEST NUMBER: P935546

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-8-4000K

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35
1	95	90	87	83	85	82	79	76	66	64	62	51	50	49	38	37	36	30
2	86	79	73	68	78	72	66	62	58	54	51	45	43	41	33	32	30	25
3	78	69	62	56	71	63	57	52	51	47	43	40	37	34	29	28	26	21
4	72	61	54	48	65	56	49	44	45	40	36	35	32	29	26	24	22	18
5	66	54	46	41	59	50	43	38	40	35	31	32	28	25	24	21	19	16
6	60	49	41	35	54	44	37	32	36	31	27	29	25	22	21	19	17	14
7	56	44	36	31	50	40	33	28	33	28	24	26	22	19	20	17	15	12
8	52	40	32	27	47	36	30	25	30	25	21	24	20	17	18	15	13	11
9	48	36	29	24	43	33	27	22	27	22	19	22	18	15	16	14	12	10
10	45	33	26	21	41	30	24	20	25	20	17	20	16	14	15	13	11	9

**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



TEST NUMBER: P935546

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-8-4000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	173.6	1.2
10°-20°	492.8	3.5
20°-30°	761.8	5.4
30°-40°	909.4	6.5
40°-50°	914.8	6.5
50°-60°	796.0	5.6
60°-70°	564.4	4.0
70°-80°	298.6	2.1
80°-90°	79.7	0.6
90°-100°	684.1	4.9
100°-110°	1798.6	12.8
110°-120°	1865.0	13.2
120°-130°	1495.9	10.6
130°-140°	1173.8	8.3
140°-150°	900.9	6.4
150°-160°	648.8	4.6
160°-170°	397.0	2.8
170°-180°	134.1	1.0
0°-30°	1428.2	10.1
0°-40°	2337.6	16.6
0°-60°	4048.4	28.7
0°-90°	4991.1	35.4
90°-120°	4347.7	30.9
90°-150°	7918.4	56.2
90°-180°	9098.0	64.6
0°-180°	14089.4	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°	10	36	10	36	10	9
95°	90	414	90	414	90	100
105°	324	2816	324	2816	324	343
115°	576	3626	576	3626	576	568
125°	801	2888	801	2888	801	711
135°	954	2241	954	2241	954	738
145°	1107	1818	1107	1818	1107	693
155°	1251	1566	1251	1566	1251	575
165°	1350	1458	1350	1458	1350	381
175°	1404	1413	1404	1413	1404	133
180°	1404	1404	1404	1404	1404	



TEST NUMBER: P935546

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-8-4000K

**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°	9.5	17.0	24.5	26.4	41.5	61.6	71.6	63.6	47.7	35.7	35.7
92.5°	37.7	101.7	165.8	181.8	255.6	353.9	403.2	353.3	253.7	178.9	171.8
95°	90.4	207.7	324.9	354.2	628.9	995.2	1178.3	1051.5	797.8	607.5	586.0
97.5°	156.4	259.8	363.2	389.1	847.1	1458.0	1763.3	1683.2	1522.8	1402.6	1361.5
100°	207.2	301.0	394.8	418.3	926.6	1604.3	1943.3	1949.1	1960.8	1969.6	1920.8
102.5°	250.5	338.0	425.5	447.5	963.0	1650.4	1994.1	2096.3	2300.6	2453.7	2411.9
105°	324.0	398.1	472.2	490.7	990.0	1655.6	1988.5	2217.4	2675.4	3018.9	2996.4
107.5°	399.4	468.5	537.5	554.8	995.0	1581.9	1875.4	2194.9	2833.7	3312.8	3318.3
110°	450.3	512.7	575.1	590.6	987.5	1516.6	1781.3	2138.4	2852.5	3388.1	3411.6



TEST NUMBER: P935546

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	500.2	559.6	619.1	633.9	987.8	1459.6	1695.5	2061.0	2791.9	3340.1	3376.1
115°	575.5	630.4	685.1	698.9	996.9	1394.2	1592.9	1944.9	2649.0	3177.2	3227.1
117.5°	649.9	699.8	749.5	762.0	1015.4	1353.3	1522.2	1839.9	2475.4	2952.0	3007.4
120°	693.2	740.2	787.0	798.8	1030.4	1339.4	1493.9	1784.3	2364.9	2800.4	2854.2
122.5°	735.6	782.9	830.2	842.1	1052.1	1332.2	1472.2	1733.7	2256.6	2648.8	2701.8
125°	800.7	843.8	886.9	897.6	1081.3	1326.3	1448.7	1670.8	2115.0	2448.1	2497.0
127.5°	853.4	897.0	940.5	951.4	1110.6	1322.8	1428.9	1619.6	2001.0	2287.0	2328.2
130°	881.6	928.6	975.4	987.1	1131.9	1324.9	1421.4	1591.1	1930.7	2185.3	2223.4
132.5°	910.8	957.8	1004.6	1016.3	1149.1	1326.3	1414.8	1566.8	1870.7	2098.6	2132.7
135°	954.2	996.9	1039.6	1050.3	1168.0	1325.0	1403.5	1530.7	1785.3	1976.2	2005.6
137.5°	998.4	1040.7	1083.0	1093.6	1196.3	1333.2	1401.6	1509.2	1724.4	1885.8	1909.9
140°	1035.2	1074.1	1113.0	1122.8	1213.5	1334.5	1395.0	1488.0	1673.8	1813.3	1835.7
142.5°	1063.5	1099.5	1135.4	1144.4	1227.9	1339.3	1395.0	1476.6	1639.9	1762.3	1781.7
145°	1106.8	1138.1	1169.6	1177.4	1246.8	1339.3	1385.6	1452.3	1586.0	1686.1	1700.7
147.5°	1150.1	1180.7	1211.3	1218.9	1274.5	1348.5	1385.6	1438.1	1543.2	1622.1	1634.2
150°	1178.3	1206.0	1233.6	1240.6	1288.9	1353.4	1385.6	1429.9	1518.7	1585.3	1595.1
152.5°	1207.5	1228.5	1249.4	1254.7	1298.3	1356.5	1385.6	1423.5	1499.3	1556.1	1563.6
155°	1250.9	1266.4	1281.9	1285.8	1319.1	1363.4	1385.6	1415.8	1476.1	1521.3	1526.2
157.5°	1283.0	1298.0	1313.1	1316.8	1339.7	1370.3	1385.6	1409.0	1455.9	1491.1	1494.5
160°	1304.6	1316.3	1328.1	1331.0	1349.2	1373.5	1385.6	1405.7	1445.9	1476.0	1478.0
162.5°	1326.3	1335.0	1343.8	1346.0	1359.2	1376.7	1385.6	1402.5	1436.4	1461.9	1463.8
165°	1349.8	1357.8	1365.7	1367.7	1373.6	1381.6	1385.6	1397.7	1422.0	1440.2	1442.2
167.5°	1371.5	1375.2	1379.0	1379.9	1384.9	1391.7	1395.0	1402.9	1418.9	1430.8	1431.6
170°	1385.6	1389.4	1393.2	1394.1	1394.4	1394.8	1395.0	1402.9	1418.9	1430.8	1430.8
172.5°	1393.1	1393.9	1394.8	1395.0	1395.0	1395.0	1395.0	1401.3	1413.8	1423.3	1422.6
175°	1403.5	1403.5	1403.5	1403.5	1400.7	1396.9	1395.0	1399.0	1406.9	1412.9	1412.9
177.5°	1403.5	1403.5	1403.5	1403.5	1401.3	1398.4	1396.9	1400.0	1406.3	1411.0	1410.2
180°	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5



TEST NUMBER: P935546

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-8-4000K

**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°	35.7	35.7	35.7	35.7	35.7	47.7	63.6	71.6	61.6	41.5	26.4
92.5°	143.4	114.9	143.4	171.8	178.9	253.7	353.3	403.2	353.9	255.6	181.8
95°	499.8	413.5	499.8	586.0	607.5	797.8	1051.5	1178.3	995.2	628.9	354.2
97.5°	1197.4	1033.3	1197.4	1361.5	1402.6	1522.8	1683.2	1763.3	1458.0	847.1	389.1
100°	1725.2	1529.7	1725.2	1920.8	1969.6	1960.8	1949.1	1943.3	1604.3	926.6	418.3
102.5°	2244.4	2077.0	2244.4	2411.9	2453.7	2300.6	2096.3	1994.1	1650.4	963.0	447.5
105°	2906.4	2816.4	2906.4	2996.4	3018.9	2675.4	2217.4	1988.5	1655.6	990.0	490.7
107.5°	3340.0	3361.7	3340.0	3318.3	3312.8	2833.7	2194.9	1875.4	1581.9	995.0	554.8
110°	3505.4	3599.2	3505.4	3411.6	3388.1	2852.5	2138.4	1781.3	1516.6	987.5	590.6





TEST NUMBER: P935546

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3520.1	3664.1	3520.1	3376.1	3340.1	2791.9	2061.0	1695.5	1459.6	987.8	633.9
115°	3426.8	3626.4	3426.8	3227.1	3177.2	2649.0	1944.9	1592.9	1394.2	996.9	698.9
117.5°	3228.8	3450.3	3228.8	3007.4	2952.0	2475.4	1839.9	1522.2	1353.3	1015.4	762.0
120°	3069.4	3284.5	3069.4	2854.2	2800.4	2364.9	1784.3	1493.9	1339.4	1030.4	798.8
122.5°	2914.1	3126.3	2914.1	2701.8	2648.8	2256.6	1733.7	1472.2	1332.2	1052.1	842.1
125°	2692.5	2888.0	2692.5	2497.0	2448.1	2115.0	1670.8	1448.7	1326.3	1081.3	897.6
127.5°	2493.2	2658.1	2493.2	2328.2	2287.0	2001.0	1619.6	1428.9	1322.8	1110.6	951.4
130°	2375.8	2528.2	2375.8	2223.4	2185.3	1930.7	1591.1	1421.4	1324.9	1131.9	987.1
132.5°	2269.3	2405.7	2269.3	2132.7	2098.6	1870.7	1566.8	1414.8	1326.3	1149.1	1016.3
135°	2123.3	2240.9	2123.3	2005.6	1976.2	1785.3	1530.7	1403.5	1325.0	1168.0	1050.3
137.5°	2006.1	2102.4	2006.1	1909.9	1885.8	1724.4	1509.2	1401.6	1333.2	1196.3	1093.6
140°	1925.8	2015.8	1925.8	1835.7	1813.3	1673.8	1488.0	1395.0	1334.5	1213.5	1122.8
142.5°	1859.1	1936.6	1859.1	1781.7	1762.3	1639.9	1476.6	1395.0	1339.3	1227.9	1144.4
145°	1759.3	1817.9	1759.3	1700.7	1686.1	1586.0	1452.3	1385.6	1339.3	1246.8	1177.4
147.5°	1682.7	1731.3	1682.7	1634.2	1622.1	1543.2	1438.1	1385.6	1348.5	1274.5	1218.9
150°	1634.5	1673.8	1634.5	1595.1	1585.3	1518.7	1429.9	1385.6	1353.4	1288.9	1240.6
152.5°	1593.2	1623.0	1593.2	1563.6	1556.1	1499.3	1423.5	1385.6	1356.5	1298.3	1254.7
155°	1545.8	1565.5	1545.8	1526.2	1521.3	1476.1	1415.8	1385.6	1363.4	1319.1	1285.8
157.5°	1508.4	1522.2	1508.4	1494.5	1491.1	1455.9	1409.0	1385.6	1370.3	1339.7	1316.8
160°	1485.9	1493.9	1485.9	1478.0	1476.0	1445.9	1405.7	1385.6	1373.5	1349.2	1331.0
162.5°	1471.3	1478.9	1471.3	1463.8	1461.9	1436.4	1402.5	1385.6	1376.7	1359.2	1346.0
165°	1450.1	1458.1	1450.1	1442.2	1440.2	1422.0	1397.7	1385.6	1381.6	1373.6	1367.7
167.5°	1435.0	1438.3	1435.0	1431.6	1430.8	1418.9	1402.9	1395.0	1391.7	1384.9	1379.9
170°	1430.8	1430.8	1430.8	1430.8	1430.8	1418.9	1402.9	1395.0	1394.8	1394.4	1394.1
172.5°	1419.6	1416.7	1419.6	1422.6	1423.3	1413.8	1401.3	1395.0	1395.0	1395.0	1395.0
175°	1412.9	1412.9	1412.9	1412.9	1412.9	1406.9	1399.0	1395.0	1396.9	1400.7	1403.5
177.5°	1406.8	1403.5	1406.8	1410.2	1411.0	1406.3	1400.0	1396.9	1398.4	1401.3	1403.5
180°	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5



TEST NUMBER: P935546

CATALOG NUMBER: SQ4-FA-125U-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°	24.5	17.0	9.5	17.0	24.5	26.4	41.5	61.6	71.6	63.6	47.7
92.5°	165.8	101.7	37.7	101.7	165.8	181.8	255.6	353.9	403.2	353.3	253.7
95°	324.9	207.7	90.4	207.7	324.9	354.2	628.9	995.2	1178.3	1051.5	797.8
97.5°	363.2	259.8	156.4	259.8	363.2	389.1	847.1	1458.0	1763.3	1683.2	1522.8
100°	394.8	301.0	207.2	301.0	394.8	418.3	926.6	1604.3	1943.3	1949.1	1960.8
102.5°	425.5	338.0	250.5	338.0	425.5	447.5	963.0	1650.4	1994.1	2096.3	2300.6
105°	472.2	398.1	324.0	398.1	472.2	490.7	990.0	1655.6	1988.5	2217.4	2675.4
107.5°	537.5	468.5	399.4	468.5	537.5	554.8	995.0	1581.9	1875.4	2194.9	2833.7
110°	575.1	512.7	450.3	512.7	575.1	590.6	987.5	1516.6	1781.3	2138.4	2852.5



TEST NUMBER: P935546  
 CATALOG NUMBER: SQ4-FA-125U-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°	619.1	559.6	500.2	559.6	619.1	633.9	987.8	1459.6	1695.5	2061.0	2791.9
115°	685.1	630.4	575.5	630.4	685.1	698.9	996.9	1394.2	1592.9	1944.9	2649.0
117.5°	749.5	699.8	649.9	699.8	749.5	762.0	1015.4	1353.3	1522.2	1839.9	2475.4
120°	787.0	740.2	693.2	740.2	787.0	798.8	1030.4	1339.4	1493.9	1784.3	2364.9
122.5°	830.2	782.9	735.6	782.9	830.2	842.1	1052.1	1332.2	1472.2	1733.7	2256.6
125°	886.9	843.8	800.7	843.8	886.9	897.6	1081.3	1326.3	1448.7	1670.8	2115.0
127.5°	940.5	897.0	853.4	897.0	940.5	951.4	1110.6	1322.8	1428.9	1619.6	2001.0
130°	975.4	928.6	881.6	928.6	975.4	987.1	1131.9	1324.9	1421.4	1591.1	1930.7
132.5°	1004.6	957.8	910.8	957.8	1004.6	1016.3	1149.1	1326.3	1414.8	1566.8	1870.7
135°	1039.6	996.9	954.2	996.9	1039.6	1050.3	1168.0	1325.0	1403.5	1530.7	1785.3
137.5°	1083.0	1040.7	998.4	1040.7	1083.0	1093.6	1196.3	1333.2	1401.6	1509.2	1724.4
140°	1113.0	1074.1	1035.2	1074.1	1113.0	1122.8	1213.5	1334.5	1395.0	1488.0	1673.8
142.5°	1135.4	1099.5	1063.5	1099.5	1135.4	1144.4	1227.9	1339.3	1395.0	1476.6	1639.9
145°	1169.6	1138.1	1106.8	1138.1	1169.6	1177.4	1246.8	1339.3	1385.6	1452.3	1586.0
147.5°	1211.3	1180.7	1150.1	1180.7	1211.3	1218.9	1274.5	1348.5	1385.6	1438.1	1543.2
150°	1233.6	1206.0	1178.3	1206.0	1233.6	1240.6	1288.9	1353.4	1385.6	1429.9	1518.7
152.5°	1249.4	1228.5	1207.5	1228.5	1249.4	1254.7	1298.3	1356.5	1385.6	1423.5	1499.3
155°	1281.9	1266.4	1250.9	1266.4	1281.9	1285.8	1319.1	1363.4	1385.6	1415.8	1476.1
157.5°	1313.1	1298.0	1283.0	1298.0	1313.1	1316.8	1339.7	1370.3	1385.6	1409.0	1455.9
160°	1328.1	1316.3	1304.6	1316.3	1328.1	1331.0	1349.2	1373.5	1385.6	1405.7	1445.9
162.5°	1343.8	1335.0	1326.3	1335.0	1343.8	1346.0	1359.2	1376.7	1385.6	1402.5	1436.4
165°	1365.7	1357.8	1349.8	1357.8	1365.7	1367.7	1373.6	1381.6	1385.6	1397.7	1422.0
167.5°	1379.0	1375.2	1371.5	1375.2	1379.0	1379.9	1384.9	1391.7	1395.0	1402.9	1418.9
170°	1393.2	1389.4	1385.6	1389.4	1393.2	1394.1	1394.4	1394.8	1395.0	1402.9	1418.9
172.5°	1394.8	1393.9	1393.1	1393.9	1394.8	1395.0	1395.0	1395.0	1395.0	1401.3	1413.8
175°	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1400.7	1396.9	1395.0	1399.0	1406.9
177.5°	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1401.3	1398.4	1396.9	1400.0	1406.3
180°	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5



TEST NUMBER: P935546  
 CATALOG NUMBER: SQ4-FA-125U-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°	35.7	35.7	35.7	35.7	35.7	35.7	35.7	47.7	63.6	71.6	61.6
92.5°	178.9	171.8	143.4	114.9	143.4	171.8	178.9	253.7	353.3	403.2	353.9
95°	607.5	586.0	499.8	413.5	499.8	586.0	607.5	797.8	1051.5	1178.3	995.2
97.5°	1402.6	1361.5	1197.4	1033.3	1197.4	1361.5	1402.6	1522.8	1683.2	1763.3	1458.0
100°	1969.6	1920.8	1725.2	1529.7	1725.2	1920.8	1969.6	1960.8	1949.1	1943.3	1604.3
102.5°	2453.7	2411.9	2244.4	2077.0	2244.4	2411.9	2453.7	2300.6	2096.3	1994.1	1650.4
105°	3018.9	2996.4	2906.4	2816.4	2906.4	2996.4	3018.9	2675.4	2217.4	1988.5	1655.6
107.5°	3312.8	3318.3	3340.0	3361.7	3340.0	3318.3	3312.8	2833.7	2194.9	1875.4	1581.9
110°	3388.1	3411.6	3505.4	3599.2	3505.4	3411.6	3388.1	2852.5	2138.4	1781.3	1516.6



TEST NUMBER: P935546

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3340.1	3376.1	3520.1	3664.1	3520.1	3376.1	3340.1	2791.9	2061.0	1695.5	1459.6
115°	3177.2	3227.1	3426.8	3626.4	3426.8	3227.1	3177.2	2649.0	1944.9	1592.9	1394.2
117.5°	2952.0	3007.4	3228.8	3450.3	3228.8	3007.4	2952.0	2475.4	1839.9	1522.2	1353.3
120°	2800.4	2854.2	3069.4	3284.5	3069.4	2854.2	2800.4	2364.9	1784.3	1493.9	1339.4
122.5°	2648.8	2701.8	2914.1	3126.3	2914.1	2701.8	2648.8	2256.6	1733.7	1472.2	1332.2
125°	2448.1	2497.0	2692.5	2888.0	2692.5	2497.0	2448.1	2115.0	1670.8	1448.7	1326.3
127.5°	2287.0	2328.2	2493.2	2658.1	2493.2	2328.2	2287.0	2001.0	1619.6	1428.9	1322.8
130°	2185.3	2223.4	2375.8	2528.2	2375.8	2223.4	2185.3	1930.7	1591.1	1421.4	1324.9
132.5°	2098.6	2132.7	2269.3	2405.7	2269.3	2132.7	2098.6	1870.7	1566.8	1414.8	1326.3
135°	1976.2	2005.6	2123.3	2240.9	2123.3	2005.6	1976.2	1785.3	1530.7	1403.5	1325.0
137.5°	1885.8	1909.9	2006.1	2102.4	2006.1	1909.9	1885.8	1724.4	1509.2	1401.6	1333.2
140°	1813.3	1835.7	1925.8	2015.8	1925.8	1835.7	1813.3	1673.8	1488.0	1395.0	1334.5
142.5°	1762.3	1781.7	1859.1	1936.6	1859.1	1781.7	1762.3	1639.9	1476.6	1395.0	1339.3
145°	1686.1	1700.7	1759.3	1817.9	1759.3	1700.7	1686.1	1586.0	1452.3	1385.6	1339.3
147.5°	1622.1	1634.2	1682.7	1731.3	1682.7	1634.2	1622.1	1543.2	1438.1	1385.6	1348.5
150°	1585.3	1595.1	1634.5	1673.8	1634.5	1595.1	1585.3	1518.7	1429.9	1385.6	1353.4
152.5°	1556.1	1563.6	1593.2	1623.0	1593.2	1563.6	1556.1	1499.3	1423.5	1385.6	1356.5
155°	1521.3	1526.2	1545.8	1565.5	1545.8	1526.2	1521.3	1476.1	1415.8	1385.6	1363.4
157.5°	1491.1	1494.5	1508.4	1522.2	1508.4	1494.5	1491.1	1455.9	1409.0	1385.6	1370.3
160°	1476.0	1478.0	1485.9	1493.9	1485.9	1478.0	1476.0	1445.9	1405.7	1385.6	1373.5
162.5°	1461.9	1463.8	1471.3	1478.9	1471.3	1463.8	1461.9	1436.4	1402.5	1385.6	1376.7
165°	1440.2	1442.2	1450.1	1458.1	1450.1	1442.2	1440.2	1422.0	1397.7	1385.6	1381.6
167.5°	1430.8	1431.6	1435.0	1438.3	1435.0	1431.6	1430.8	1418.9	1402.9	1395.0	1391.7
170°	1430.8	1430.8	1430.8	1430.8	1430.8	1430.8	1430.8	1418.9	1402.9	1395.0	1394.8
172.5°	1423.3	1422.6	1419.6	1416.7	1419.6	1422.6	1423.3	1413.8	1401.3	1395.0	1395.0
175°	1412.9	1412.9	1412.9	1412.9	1412.9	1412.9	1412.9	1406.9	1399.0	1395.0	1396.9
177.5°	1411.0	1410.2	1406.8	1403.5	1406.8	1410.2	1411.0	1406.3	1400.0	1396.9	1398.4
180°	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5



TEST NUMBER: P935546

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-8-4000K

**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°	41.5	26.4	24.5	17.0	9.5
92.5°	255.6	181.8	165.8	101.7	37.7
95°	628.9	354.2	324.9	207.7	90.4
97.5°	847.1	389.1	363.2	259.8	156.4
100°	926.6	418.3	394.8	301.0	207.2
102.5°	963.0	447.5	425.5	338.0	250.5
105°	990.0	490.7	472.2	398.1	324.0
107.5°	995.0	554.8	537.5	468.5	399.4
110°	987.5	590.6	575.1	512.7	450.3



TEST NUMBER: P935546

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	987.8	633.9	619.1	559.6	500.2
115°	996.9	698.9	685.1	630.4	575.5
117.5°	1015.4	762.0	749.5	699.8	649.9
120°	1030.4	798.8	787.0	740.2	693.2
122.5°	1052.1	842.1	830.2	782.9	735.6
125°	1081.3	897.6	886.9	843.8	800.7
127.5°	1110.6	951.4	940.5	897.0	853.4
130°	1131.9	987.1	975.4	928.6	881.6
132.5°	1149.1	1016.3	1004.6	957.8	910.8
135°	1168.0	1050.3	1039.6	996.9	954.2
137.5°	1196.3	1093.6	1083.0	1040.7	998.4
140°	1213.5	1122.8	1113.0	1074.1	1035.2
142.5°	1227.9	1144.4	1135.4	1099.5	1063.5
145°	1246.8	1177.4	1169.6	1138.1	1106.8
147.5°	1274.5	1218.9	1211.3	1180.7	1150.1
150°	1288.9	1240.6	1233.6	1206.0	1178.3
152.5°	1298.3	1254.7	1249.4	1228.5	1207.5
155°	1319.1	1285.8	1281.9	1266.4	1250.9
157.5°	1339.7	1316.8	1313.1	1298.0	1283.0
160°	1349.2	1331.0	1328.1	1316.3	1304.6
162.5°	1359.2	1346.0	1343.8	1335.0	1326.3
165°	1373.6	1367.7	1365.7	1357.8	1349.8
167.5°	1384.9	1379.9	1379.0	1375.2	1371.5
170°	1394.4	1394.1	1393.2	1389.4	1385.6
172.5°	1395.0	1395.0	1394.8	1393.9	1393.1
175°	1400.7	1403.5	1403.5	1403.5	1403.5
177.5°	1401.3	1403.5	1403.5	1403.5	1403.5
180°	1403.5	1403.5	1403.5	1403.5	1403.5



TEST NUMBER: P935546  
 CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-8-4000K

**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	10.89	11.63	11.96	12.71	14.17	13.73	14.47	14.80	15.54	17.01
	3H	11.36	12.02	12.44	13.11	14.59	15.07	15.73	16.15	16.81	18.30
	4H	11.54	12.17	12.64	13.26	14.75	15.51	16.14	16.60	17.22	18.71
	6H	11.66	12.24	12.76	13.32	14.83	15.79	16.37	16.89	17.46	18.96
	8H	11.65	12.21	12.76	13.31	14.80	15.86	16.41	16.96	17.52	19.01
	12H	11.62	12.15	12.73	13.24	14.76	15.89	16.42	17.01	17.52	19.04
4H	2H	11.91	12.54	13.01	13.62	15.11	14.12	14.75	15.22	15.84	17.33
	3H	12.92	13.45	14.03	14.56	16.06	15.62	16.14	16.72	17.26	18.76
	4H	13.20	13.68	14.31	14.78	16.30	16.14	16.63	17.25	17.73	19.25
	6H	13.31	13.73	14.43	14.85	16.37	16.50	16.92	17.62	18.04	19.56
	8H	13.32	13.70	14.44	14.82	16.35	16.61	17.00	17.73	18.11	19.64
	12H	13.28	13.63	14.41	14.76	16.29	16.66	17.01	17.80	18.14	19.68
8H	4H	13.64	14.03	14.76	15.14	16.68	16.26	16.64	17.38	17.76	19.29
	6H	13.90	14.22	15.04	15.38	16.90	16.69	17.01	17.83	18.17	19.70
	8H	13.94	14.22	15.09	15.36	16.91	16.84	17.12	17.99	18.26	19.81
	12H	13.92	14.16	15.07	15.30	16.88	16.94	17.18	18.09	18.32	19.90
12H	4H	13.64	13.99	14.78	15.12	16.66	16.22	16.57	17.35	17.70	19.23
	6H	13.96	14.24	15.10	15.38	16.92	16.69	16.97	17.83	18.11	19.65
	8H	14.02	14.26	15.17	15.40	16.98	16.84	17.09	17.99	18.22	19.81