

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: P935421

Luminaire Tested: SQ4-FA-125U-050D-927-1D-UNV-STD-W-12

Issue Date: 12/17/2024

**Test Information**

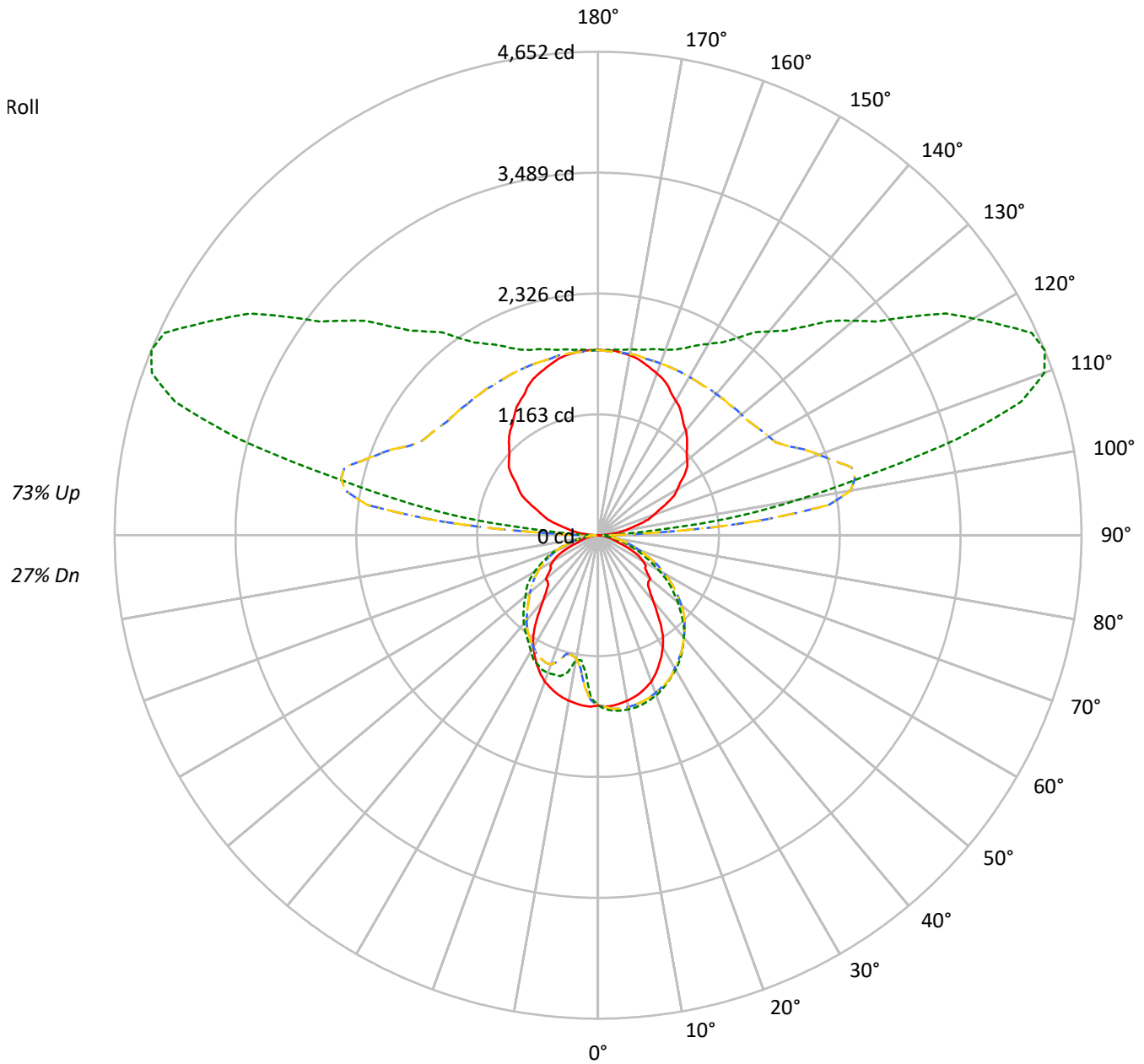
Test Method: LM-79-2019  
Report Number: P935421  
REPORT IS A COMBINATION OF REPORTS P933753 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-050D-927-1D-UNV-STD-W-12  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15805.0 lumens  
Efficiency: N/A  
Efficacy: 110.7 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

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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	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°	5065	5065	5065	5065
5°	5105	5113	5105	4020
10°	5072	5036	5072	3601
15°	5019	4927	5019	4114
20°	4916	4798	4916	4123
25°	4703	4609	4703	4036
30°	4427	4453	4427	3844
35°	3949	4255	3949	3633
40°	3292	4022	3292	3474
45°	2943	3749	2943	3290
50°	3130	3423	3130	3107
55°	2948	3073	2948	3000
60°	3042	2610	3042	2748
65°	2763	2158	2763	2412
70°	1918	1720	1918	2022
75°	1688	1271	1688	1522
80°	1369	840	1369	915
85°	804	445	804	378

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 4509 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.8	0.9
10°-20°	419.7	2.7
20°-30°	648.8	4.1
30°-40°	774.5	4.9
40°-50°	779.0	4.9
50°-60°	677.8	4.3
60°-70°	480.6	3.0
70°-80°	254.3	1.6
80°-90°	70.1	0.4
90°-100°	868.7	5.5
100°-110°	2283.8	14.4
110°-120°	2368.0	15.0
120°-130°	1899.5	12.0
130°-140°	1490.4	9.4
140°-150°	1143.9	7.2
150°-160°	823.8	5.2
160°-170°	504.1	3.2
170°-180°	170.3	1.1
0°-30°	1216.3	7.7
0°-40°	1990.7	12.6
0°-60°	3447.6	21.8
0°-90°	4252.6	26.9
90°-120°	5520.5	34.9
90°-150°	10054.3	63.6
90°-180°	11552.0	73.1
0°-180°	15805.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1638	1638	1638	1638	1638	
5°	1645	1696	1645	1334	1645	156
15°	1571	1681	1571	1404	1571	442
25°	1384	1568	1384	1373	1384	635
35°	1052	1399	1052	1194	1052	651
45°	678	1153	678	1012	678	544
55°	553	850	553	830	553	508
65°	384	513	384	573	384	367
75°	146	243	146	291	146	153
85°	25	62	25	53	25	33
90°	12	45	12	45	12	11
95°	115	525	115	525	115	127
105°	411	3576	411	3576	411	436
115°	731	4605	731	4605	731	722
125°	1017	3667	1017	3667	1017	903
135°	1212	2845	1212	2845	1212	937
145°	1405	2308	1405	2308	1405	880
155°	1588	1988	1588	1988	1588	730
165°	1714	1852	1714	1852	1714	484
175°	1782	1794	1782	1794	1782	169
180°	1782	1782	1782	1782	1782	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5
2.5°	1651.4	1651.4	1660.7	1663.8	1663.8	1659.2	1654.6	1659.2	1673.1	1677.8	1676.2
5°	1645.3	1657.7	1674.7	1677.8	1680.9	1679.4	1676.2	1679.4	1694.8	1697.9	1699.5
7.5°	1632.9	1656.1	1677.8	1682.4	1687.1	1682.4	1680.9	1684.0	1699.5	1702.5	1702.5
10°	1617.4	1649.9	1674.7	1677.8	1682.4	1677.8	1677.8	1684.0	1699.5	1702.5	1704.2
12.5°	1595.7	1640.6	1663.8	1667.0	1673.1	1671.6	1670.1	1676.2	1691.8	1694.8	1694.8
15°	1570.9	1623.5	1645.3	1648.3	1659.2	1656.1	1656.1	1662.3	1679.4	1684.0	1682.4
17.5°	1536.8	1601.9	1626.7	1631.3	1639.1	1637.5	1639.1	1645.3	1660.7	1663.8	1665.4
20°	1498.1	1572.4	1601.9	1606.5	1614.3	1614.3	1614.3	1622.0	1637.5	1643.7	1643.7
22.5°	1445.4	1541.5	1572.4	1575.6	1584.8	1584.8	1588.0	1598.8	1612.7	1614.3	1614.3
25°	1383.5	1507.4	1533.7	1543.0	1552.3	1556.9	1561.6	1567.8	1572.4	1570.9	1572.4
27.5°	1318.4	1464.0	1498.1	1504.3	1516.7	1521.3	1527.5	1529.1	1530.6	1535.2	1532.1
30°	1245.6	1403.6	1454.7	1460.9	1481.0	1484.2	1477.9	1481.0	1488.8	1491.9	1495.0
32.5°	1163.5	1313.7	1409.8	1423.7	1442.3	1433.0	1431.4	1436.1	1448.5	1448.5	1451.6
35°	1051.9	1244.0	1368.0	1380.4	1394.3	1383.5	1389.6	1391.2	1398.9	1403.6	1402.0
37.5°	929.5	1183.6	1324.6	1333.9	1344.7	1330.8	1340.0	1344.7	1350.9	1347.8	1347.8
40°	821.1	1089.1	1273.4	1279.7	1288.9	1278.1	1287.4	1290.5	1293.6	1290.5	1288.9
42.5°	740.5	985.3	1219.2	1227.0	1220.8	1228.5	1231.6	1237.9	1233.2	1227.0	1227.0
45°	678.5	957.4	1160.4	1169.6	1160.4	1172.8	1177.4	1177.4	1163.5	1160.4	1158.8
47.5°	658.4	901.7	1101.5	1101.5	1096.9	1112.3	1120.0	1109.3	1095.3	1090.6	1090.6
50°	656.9	839.7	1020.9	1014.7	1036.4	1055.0	1047.3	1036.4	1025.6	1008.5	1008.5
52.5°	596.4	763.8	917.1	940.4	974.4	985.3	972.9	962.0	943.5	935.7	929.5
55°	553.1	684.8	822.6	869.1	904.8	918.7	895.4	884.6	856.7	852.1	849.0
57.5°	543.8	570.1	735.9	794.7	838.1	836.6	822.6	802.5	779.2	774.6	773.1
60°	498.9	412.1	643.0	712.6	757.5	752.9	740.5	722.0	700.2	697.2	694.1
62.5°	452.4	299.0	537.5	616.6	680.1	678.5	667.7	639.8	624.3	616.6	610.4
65°	384.2	250.9	382.7	512.8	604.2	607.3	584.0	563.9	546.9	537.5	536.0
67.5°	292.8	204.5	258.7	427.6	531.4	528.3	498.9	489.6	467.9	463.2	453.9
70°	216.9	136.4	179.7	347.0	460.2	452.4	429.1	418.3	398.2	387.3	381.1
72.5°	179.7	110.0	131.7	269.6	387.3	378.0	357.9	345.5	328.4	319.2	312.9
75°	145.6	116.2	100.7	199.8	314.5	308.3	289.7	277.3	263.3	250.9	252.5
77.5°	106.9	108.4	80.5	147.1	249.4	240.2	229.3	213.8	207.6	195.2	195.2
80°	80.5	85.2	60.4	100.7	179.7	179.7	170.4	159.5	148.7	142.5	142.5
82.5°	54.2	54.2	44.9	63.5	122.4	117.7	111.6	108.4	102.3	99.2	99.2
85°	24.8	31.0	27.9	38.7	66.6	69.7	69.7	66.6	65.1	62.0	63.5
87.5°	7.8	13.9	17.0	21.7	34.1	35.7	37.2	37.2	37.2	38.7	38.7
90°	11.9	21.5	31.1	33.5	52.6	78.1	90.9	80.8	60.6	45.4	45.4
92.5°	47.8	129.1	210.5	230.8	324.6	449.4	511.9	448.6	322.1	227.2	218.2
95°	114.8	263.6	412.5	449.7	798.5	1263.6	1496.2	1335.1	1013.0	771.5	744.1
97.5°	198.5	329.8	461.2	494.0	1075.6	1851.2	2238.9	2137.1	1933.5	1780.9	1728.7
100°	263.1	382.2	501.3	531.1	1176.5	2037.1	2467.4	2474.9	2489.7	2500.9	2438.8
102.5°	318.2	429.3	540.3	568.1	1222.8	2095.6	2532.0	2661.7	2921.1	3115.7	3062.5
105°	411.4	505.5	599.6	623.2	1257.0	2102.2	2524.8	2815.5	3397.1	3833.2	3804.6
107.5°	507.1	594.8	682.5	704.5	1263.4	2008.7	2381.3	2786.9	3598.0	4206.4	4213.3
110°	571.7	650.9	730.1	749.9	1253.8	1925.7	2261.6	2715.1	3621.9	4302.1	4331.9



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	635.1	710.6	786.0	804.9	1254.2	1853.3	2152.8	2616.9	3545.0	4241.1	4286.8
115°	730.7	800.3	870.0	887.4	1265.8	1770.2	2022.5	2469.5	3363.6	4034.2	4097.6
117.5°	825.3	888.5	951.8	967.6	1289.3	1718.3	1932.8	2336.3	3143.1	3748.3	3818.6
120°	880.3	939.8	999.4	1014.2	1308.5	1700.8	1896.9	2265.6	3002.8	3555.8	3624.1
122.5°	934.1	994.1	1054.2	1069.2	1336.0	1691.6	1869.4	2201.4	2865.2	3363.2	3430.6
125°	1016.6	1071.4	1126.1	1139.8	1373.1	1684.0	1839.5	2121.4	2685.5	3108.4	3170.5
127.5°	1083.6	1138.9	1194.2	1208.0	1410.1	1679.6	1814.4	2056.4	2540.7	2903.9	2956.3
130°	1119.5	1179.0	1238.5	1253.4	1437.2	1682.3	1804.8	2020.3	2451.4	2774.8	2823.1
132.5°	1156.5	1216.1	1275.7	1290.5	1459.2	1684.0	1796.4	1989.4	2375.3	2664.7	2708.1
135°	1211.6	1265.8	1320.0	1333.6	1483.1	1682.4	1782.1	1943.7	2266.9	2509.3	2546.6
137.5°	1267.8	1321.5	1375.1	1388.5	1518.9	1692.8	1779.7	1916.3	2189.5	2394.4	2425.0
140°	1314.4	1363.8	1413.3	1425.7	1540.8	1694.5	1771.3	1889.3	2125.3	2302.3	2330.9
142.5°	1350.3	1396.0	1441.7	1453.1	1559.2	1700.6	1771.3	1875.0	2082.3	2237.8	2262.3
145°	1405.3	1445.2	1485.1	1495.0	1583.1	1700.6	1759.4	1844.2	2013.7	2140.8	2159.5
147.5°	1460.3	1499.1	1537.9	1547.6	1618.2	1712.3	1759.4	1826.1	1959.5	2059.5	2074.9
150°	1496.2	1531.3	1566.4	1575.2	1636.6	1718.4	1759.4	1815.7	1928.4	2012.9	2025.3
152.5°	1533.3	1559.9	1586.5	1593.1	1648.6	1722.4	1759.4	1807.5	1903.7	1975.8	1985.3
155°	1588.3	1608.0	1627.6	1632.6	1674.8	1731.2	1759.4	1797.6	1874.2	1931.5	1937.8
157.5°	1629.0	1648.1	1667.3	1672.1	1701.2	1740.0	1759.4	1789.1	1848.6	1893.3	1897.7
160°	1656.5	1671.4	1686.3	1690.0	1713.1	1744.0	1759.4	1784.9	1835.9	1874.2	1876.7
162.5°	1684.0	1695.2	1706.3	1709.1	1725.9	1748.2	1759.4	1780.9	1824.0	1856.2	1858.6
165°	1713.9	1724.0	1734.0	1736.6	1744.2	1754.3	1759.4	1774.8	1805.6	1828.7	1831.2
167.5°	1741.4	1746.2	1751.0	1752.1	1758.5	1767.1	1771.3	1781.4	1801.6	1816.7	1817.8
170°	1759.4	1764.1	1768.9	1770.1	1770.5	1771.0	1771.3	1781.4	1801.6	1816.7	1816.7
172.5°	1768.9	1770.0	1771.1	1771.3	1771.3	1771.3	1771.3	1779.3	1795.3	1807.2	1806.3
175°	1782.1	1782.1	1782.1	1782.1	1778.5	1773.7	1771.3	1776.4	1786.5	1794.0	1794.0
177.5°	1782.1	1782.1	1782.1	1782.1	1779.3	1775.5	1773.7	1777.7	1785.6	1791.6	1790.6
180°	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5
2.5°	1679.4	1674.7	1679.4	1676.2	1677.8	1673.1	1659.2	1654.6	1659.2	1663.8	1663.8
5°	1699.5	1696.4	1699.5	1699.5	1697.9	1694.8	1679.4	1676.2	1679.4	1680.9	1677.8
7.5°	1705.7	1701.0	1705.7	1702.5	1702.5	1699.5	1684.0	1680.9	1682.4	1687.1	1682.4
10°	1705.7	1701.0	1705.7	1704.2	1702.5	1699.5	1684.0	1677.8	1677.8	1682.4	1677.8
12.5°	1697.9	1694.8	1697.9	1694.8	1694.8	1691.8	1676.2	1670.1	1671.6	1673.1	1667.0
15°	1685.5	1680.9	1685.5	1682.4	1684.0	1679.4	1662.3	1656.1	1656.1	1659.2	1648.3
17.5°	1667.0	1660.7	1667.0	1665.4	1663.8	1660.7	1645.3	1639.1	1637.5	1639.1	1631.3
20°	1645.3	1640.6	1645.3	1643.7	1643.7	1637.5	1622.0	1614.3	1614.3	1614.3	1606.5
22.5°	1611.1	1606.5	1611.1	1614.3	1614.3	1612.7	1598.8	1588.0	1584.8	1584.8	1575.6
25°	1572.4	1567.8	1572.4	1572.4	1570.9	1572.4	1567.8	1561.6	1556.9	1552.3	1543.0
27.5°	1535.2	1532.1	1535.2	1532.1	1535.2	1530.6	1529.1	1527.5	1521.3	1516.7	1504.3
30°	1498.1	1495.0	1498.1	1495.0	1491.9	1488.8	1481.0	1477.9	1484.2	1481.0	1460.9
32.5°	1451.6	1448.5	1451.6	1451.6	1448.5	1448.5	1436.1	1431.4	1433.0	1442.3	1423.7
35°	1403.6	1398.9	1403.6	1402.0	1403.6	1398.9	1391.2	1389.6	1383.5	1394.3	1380.4
37.5°	1347.8	1343.2	1347.8	1347.8	1347.8	1350.9	1344.7	1340.0	1330.8	1344.7	1333.9
40°	1290.5	1284.3	1290.5	1288.9	1290.5	1293.6	1290.5	1287.4	1278.1	1288.9	1279.7
42.5°	1225.5	1223.8	1225.5	1227.0	1227.0	1233.2	1237.9	1231.6	1228.5	1220.8	1227.0
45°	1155.7	1152.6	1155.7	1158.8	1160.4	1163.5	1177.4	1177.4	1172.8	1160.4	1169.6
47.5°	1081.3	1073.6	1081.3	1090.6	1090.6	1095.3	1109.3	1120.0	1112.3	1096.9	1101.5
50°	1002.3	1003.8	1002.3	1008.5	1008.5	1025.6	1036.4	1047.3	1055.0	1036.4	1014.7
52.5°	924.8	923.3	924.8	929.5	935.7	943.5	962.0	972.9	985.3	974.4	940.4
55°	847.4	850.5	847.4	849.0	852.1	856.7	884.6	895.4	918.7	904.8	869.1
57.5°	769.9	765.3	769.9	773.1	774.6	779.2	802.5	822.6	836.6	838.1	794.7
60°	680.1	673.9	680.1	694.1	697.2	700.2	722.0	740.5	752.9	757.5	712.6
62.5°	601.1	590.3	601.1	610.4	616.6	624.3	639.8	667.7	678.5	680.1	616.6
65°	517.4	512.8	517.4	536.0	537.5	546.9	563.9	584.0	607.3	604.2	512.8
67.5°	441.5	441.5	441.5	453.9	463.2	467.9	489.6	498.9	528.3	531.4	427.6
70°	371.8	370.3	371.8	381.1	387.3	398.2	418.3	429.1	452.4	460.2	347.0
72.5°	305.2	303.6	305.2	312.9	319.2	328.4	345.5	357.9	378.0	387.3	269.6
75°	246.3	243.2	246.3	252.5	250.9	263.3	277.3	289.7	308.3	314.5	199.8
77.5°	189.0	189.0	189.0	195.2	195.2	207.6	213.8	229.3	240.2	249.4	147.1
80°	141.0	139.4	141.0	142.5	142.5	148.7	159.5	170.4	179.7	179.7	100.7
82.5°	99.2	96.0	99.2	99.2	99.2	102.3	108.4	111.6	117.7	122.4	63.5
85°	62.0	62.0	62.0	63.5	62.0	65.1	66.6	69.7	69.7	66.6	38.7
87.5°	40.3	38.7	40.3	38.7	38.7	37.2	37.2	37.2	35.7	34.1	21.7
90°	45.4	45.4	45.4	45.4	45.4	60.6	80.8	90.9	78.1	52.6	33.5
92.5°	182.0	145.9	182.0	218.2	227.2	322.1	448.6	511.9	449.4	324.6	230.8
95°	634.6	525.1	634.6	744.1	771.5	1013.0	1335.1	1496.2	1263.6	798.5	449.7
97.5°	1520.4	1312.0	1520.4	1728.7	1780.9	1933.5	2137.1	2238.9	1851.2	1075.6	494.0
100°	2190.6	1942.3	2190.6	2438.8	2500.9	2489.7	2474.9	2467.4	2037.1	1176.5	531.1
102.5°	2849.8	2637.2	2849.8	3062.5	3115.7	2921.1	2661.7	2532.0	2095.6	1222.8	568.1
105°	3690.4	3576.1	3690.4	3804.6	3833.2	3397.1	2815.5	2524.8	2102.2	1257.0	623.2
107.5°	4240.9	4268.6	4240.9	4213.3	4206.4	3598.0	2786.9	2381.3	2008.7	1263.4	704.5
110°	4450.9	4570.0	4450.9	4331.9	4302.1	3621.9	2715.1	2261.6	1925.7	1253.8	749.9





TEST NUMBER: P935421

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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4469.6	4652.5	4469.6	4286.8	4241.1	3545.0	2616.9	2152.8	1853.3	1254.2	804.9
115°	4351.1	4604.7	4351.1	4097.6	4034.2	3363.6	2469.5	2022.5	1770.2	1265.8	887.4
117.5°	4099.8	4381.0	4099.8	3818.6	3748.3	3143.1	2336.3	1932.8	1718.3	1289.3	967.6
120°	3897.3	4170.5	3897.3	3624.1	3555.8	3002.8	2265.6	1896.9	1700.8	1308.5	1014.2
122.5°	3700.1	3969.6	3700.1	3430.6	3363.2	2865.2	2201.4	1869.4	1691.6	1336.0	1069.2
125°	3418.7	3667.0	3418.7	3170.5	3108.4	2685.5	2121.4	1839.5	1684.0	1373.1	1139.8
127.5°	3165.7	3375.1	3165.7	2956.3	2903.9	2540.7	2056.4	1814.4	1679.6	1410.1	1208.0
130°	3016.6	3210.1	3016.6	2823.1	2774.8	2451.4	2020.3	1804.8	1682.3	1437.2	1253.4
132.5°	2881.3	3054.6	2881.3	2708.1	2664.7	2375.3	1989.4	1796.4	1684.0	1459.2	1290.5
135°	2695.9	2845.3	2695.9	2546.6	2509.3	2266.9	1943.7	1782.1	1682.4	1483.1	1333.6
137.5°	2547.2	2669.5	2547.2	2425.0	2394.4	2189.5	1916.3	1779.7	1692.8	1518.9	1388.5
140°	2445.2	2559.5	2445.2	2330.9	2302.3	2125.3	1889.3	1771.3	1694.5	1540.8	1425.7
142.5°	2360.7	2459.0	2360.7	2262.3	2237.8	2082.3	1875.0	1771.3	1700.6	1559.2	1453.1
145°	2233.8	2308.3	2233.8	2159.5	2140.8	2013.7	1844.2	1759.4	1700.6	1583.1	1495.0
147.5°	2136.6	2198.3	2136.6	2074.9	2059.5	1959.5	1826.1	1759.4	1712.3	1618.2	1547.6
150°	2075.4	2125.4	2075.4	2025.3	2012.9	1928.4	1815.7	1759.4	1718.4	1636.6	1575.2
152.5°	2023.0	2060.8	2023.0	1985.3	1975.8	1903.7	1807.5	1759.4	1722.4	1648.6	1593.1
155°	1962.8	1987.8	1962.8	1937.8	1931.5	1874.2	1797.6	1759.4	1731.2	1674.8	1632.6
157.5°	1915.2	1932.8	1915.2	1897.7	1893.3	1848.6	1789.1	1759.4	1740.0	1701.2	1672.1
160°	1886.8	1896.9	1886.8	1876.7	1874.2	1835.9	1784.9	1759.4	1744.0	1713.1	1690.0
162.5°	1868.2	1877.7	1868.2	1858.6	1856.2	1824.0	1780.9	1759.4	1748.2	1725.9	1709.1
165°	1841.3	1851.5	1841.3	1831.2	1828.7	1805.6	1774.8	1759.4	1754.3	1744.2	1736.6
167.5°	1822.1	1826.3	1822.1	1817.8	1816.7	1801.6	1781.4	1771.3	1767.1	1758.5	1752.1
170°	1816.7	1816.7	1816.7	1816.7	1816.7	1801.6	1781.4	1771.3	1771.0	1770.5	1770.1
172.5°	1802.5	1798.8	1802.5	1806.3	1807.2	1795.3	1779.3	1771.3	1771.3	1771.3	1771.3
175°	1794.0	1794.0	1794.0	1794.0	1794.0	1786.5	1776.4	1771.3	1773.7	1778.5	1782.1
177.5°	1786.3	1782.1	1786.3	1790.6	1791.6	1785.6	1777.7	1773.7	1775.5	1779.3	1782.1
180°	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1



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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5
2.5°	1660.7	1651.4	1651.4	1635.9	1629.8	1625.1	1617.4	1594.1	1588.0	1581.7	1591.1
5°	1674.7	1657.7	1645.3	1617.4	1594.1	1584.8	1555.4	1499.7	1462.5	1434.6	1419.1
7.5°	1677.8	1656.1	1632.9	1589.5	1533.7	1508.9	1419.1	1316.9	1288.9	1264.2	1248.6
10°	1674.7	1649.9	1617.4	1552.3	1420.6	1377.2	1287.4	1220.8	1203.7	1199.1	1203.7
12.5°	1663.8	1640.6	1595.7	1487.3	1302.9	1273.4	1220.8	1182.0	1178.9	1186.7	1228.5
15°	1645.3	1623.5	1570.9	1400.5	1237.9	1216.1	1178.9	1165.0	1182.0	1236.2	1361.7
17.5°	1626.7	1601.9	1536.8	1315.3	1188.3	1172.8	1146.4	1174.3	1270.3	1343.2	1385.0
20°	1601.9	1572.4	1498.1	1253.3	1152.6	1138.7	1126.3	1251.8	1324.6	1350.9	1374.1
22.5°	1572.4	1541.5	1445.4	1209.9	1115.4	1104.6	1112.3	1295.1	1324.6	1343.2	1363.3
25°	1533.7	1507.4	1383.5	1175.9	1086.0	1073.6	1103.0	1290.5	1307.5	1312.2	1352.4
27.5°	1498.1	1464.0	1318.4	1144.8	1050.4	1045.7	1110.8	1270.3	1282.7	1287.4	1330.8
30°	1454.7	1403.6	1245.6	1112.3	1013.2	1011.6	1112.3	1245.6	1242.5	1254.9	1298.2
32.5°	1409.8	1313.7	1163.5	1072.1	977.5	976.0	1101.5	1208.4	1205.3	1222.3	1254.9
35°	1368.0	1244.0	1051.9	1025.6	932.6	934.2	1075.2	1165.0	1166.6	1182.0	1202.2
37.5°	1324.6	1183.6	929.5	974.4	889.3	889.3	1039.5	1124.7	1121.7	1126.3	1154.2
40°	1273.4	1089.1	821.1	907.8	849.0	844.3	996.1	1081.3	1070.5	1069.0	1107.6
42.5°	1219.2	985.3	740.5	819.5	802.5	796.3	943.5	1028.6	1008.5	1013.2	1062.8
45°	1160.4	957.4	678.5	692.5	754.4	749.8	886.1	968.3	954.3	966.7	1017.9
47.5°	1101.5	901.7	658.4	574.7	703.3	701.8	822.6	909.4	901.7	914.1	968.3
50°	1020.9	839.7	656.9	492.6	646.0	652.2	746.7	852.1	852.1	862.9	920.2
52.5°	917.1	763.8	596.4	446.1	579.4	598.0	680.1	802.5	805.6	816.4	867.6
55°	822.6	684.8	553.1	410.6	500.4	540.7	615.0	751.4	757.5	768.4	814.9
57.5°	735.9	570.1	543.8	368.7	427.6	466.3	557.7	701.8	704.9	714.2	759.1
60°	643.0	412.1	498.9	323.8	364.1	393.5	505.0	643.0	653.7	660.0	698.7
62.5°	537.5	299.0	452.4	292.8	333.1	339.3	461.7	587.1	601.1	605.8	629.0
65°	382.7	250.9	384.2	266.5	300.5	302.1	415.2	529.8	542.2	549.9	567.0
67.5°	258.7	204.5	292.8	241.7	275.7	277.3	370.3	463.2	480.2	486.5	497.3
70°	179.7	136.4	216.9	215.4	247.9	250.9	322.2	402.8	418.3	423.0	429.1
72.5°	131.7	110.0	179.7	193.7	218.4	221.5	272.7	334.6	350.1	354.7	357.9
75°	100.7	116.2	145.6	168.9	185.9	187.4	223.1	272.7	283.5	286.6	288.1
77.5°	80.5	108.4	106.9	136.4	151.8	148.7	175.1	210.7	220.0	220.0	220.0
80°	60.4	85.2	80.5	97.6	111.6	108.4	125.5	150.3	153.4	156.5	154.9
82.5°	44.9	54.2	54.2	62.0	74.4	71.3	83.6	97.6	97.6	97.6	100.7
85°	27.9	31.0	24.8	32.6	41.8	40.3	46.5	52.7	54.2	54.2	51.1
87.5°	17.0	13.9	7.8	12.4	18.6	18.6	21.7	23.3	21.7	21.7	21.7
90°	31.1	21.5	11.9	21.5	31.1	33.5	52.6	78.1	90.9	80.8	60.6
92.5°	210.5	129.1	47.8	129.1	210.5	230.8	324.6	449.4	511.9	448.6	322.1
95°	412.5	263.6	114.8	263.6	412.5	449.7	798.5	1263.6	1496.2	1335.1	1013.0
97.5°	461.2	329.8	198.5	329.8	461.2	494.0	1075.6	1851.2	2238.9	2137.1	1933.5
100°	501.3	382.2	263.1	382.2	501.3	531.1	1176.5	2037.1	2467.4	2474.9	2489.7
102.5°	540.3	429.3	318.2	429.3	540.3	568.1	1222.8	2095.6	2532.0	2661.7	2921.1
105°	599.6	505.5	411.4	505.5	599.6	623.2	1257.0	2102.2	2524.8	2815.5	3397.1
107.5°	682.5	594.8	507.1	594.8	682.5	704.5	1263.4	2008.7	2381.3	2786.9	3598.0
110°	730.1	650.9	571.7	650.9	730.1	749.9	1253.8	1925.7	2261.6	2715.1	3621.9



TEST NUMBER: P935421

CATALOG NUMBER: SQ4-FA-125U-050D-927-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	786.0	710.6	635.1	710.6	786.0	804.9	1254.2	1853.3	2152.8	2616.9	3545.0
115°	870.0	800.3	730.7	800.3	870.0	887.4	1265.8	1770.2	2022.5	2469.5	3363.6
117.5°	951.8	888.5	825.3	888.5	951.8	967.6	1289.3	1718.3	1932.8	2336.3	3143.1
120°	999.4	939.8	880.3	939.8	999.4	1014.2	1308.5	1700.8	1896.9	2265.6	3002.8
122.5°	1054.2	994.1	934.1	994.1	1054.2	1069.2	1336.0	1691.6	1869.4	2201.4	2865.2
125°	1126.1	1071.4	1016.6	1071.4	1126.1	1139.8	1373.1	1684.0	1839.5	2121.4	2685.5
127.5°	1194.2	1138.9	1083.6	1138.9	1194.2	1208.0	1410.1	1679.6	1814.4	2056.4	2540.7
130°	1238.5	1179.0	1119.5	1179.0	1238.5	1253.4	1437.2	1682.3	1804.8	2020.3	2451.4
132.5°	1275.7	1216.1	1156.5	1216.1	1275.7	1290.5	1459.2	1684.0	1796.4	1989.4	2375.3
135°	1320.0	1265.8	1211.6	1265.8	1320.0	1333.6	1483.1	1682.4	1782.1	1943.7	2266.9
137.5°	1375.1	1321.5	1267.8	1321.5	1375.1	1388.5	1518.9	1692.8	1779.7	1916.3	2189.5
140°	1413.3	1363.8	1314.4	1363.8	1413.3	1425.7	1540.8	1694.5	1771.3	1889.3	2125.3
142.5°	1441.7	1396.0	1350.3	1396.0	1441.7	1453.1	1559.2	1700.6	1771.3	1875.0	2082.3
145°	1485.1	1445.2	1405.3	1445.2	1485.1	1495.0	1583.1	1700.6	1759.4	1844.2	2013.7
147.5°	1537.9	1499.1	1460.3	1499.1	1537.9	1547.6	1618.2	1712.3	1759.4	1826.1	1959.5
150°	1566.4	1531.3	1496.2	1531.3	1566.4	1575.2	1636.6	1718.4	1759.4	1815.7	1928.4
152.5°	1586.5	1559.9	1533.3	1559.9	1586.5	1593.1	1648.6	1722.4	1759.4	1807.5	1903.7
155°	1627.6	1608.0	1588.3	1608.0	1627.6	1632.6	1674.8	1731.2	1759.4	1797.6	1874.2
157.5°	1667.3	1648.1	1629.0	1648.1	1667.3	1672.1	1701.2	1740.0	1759.4	1789.1	1848.6
160°	1686.3	1671.4	1656.5	1671.4	1686.3	1690.0	1713.1	1744.0	1759.4	1784.9	1835.9
162.5°	1706.3	1695.2	1684.0	1695.2	1706.3	1709.1	1725.9	1748.2	1759.4	1780.9	1824.0
165°	1734.0	1724.0	1713.9	1724.0	1734.0	1736.6	1744.2	1754.3	1759.4	1774.8	1805.6
167.5°	1751.0	1746.2	1741.4	1746.2	1751.0	1752.1	1758.5	1767.1	1771.3	1781.4	1801.6
170°	1768.9	1764.1	1759.4	1764.1	1768.9	1770.1	1770.5	1771.0	1771.3	1781.4	1801.6
172.5°	1771.1	1770.0	1768.9	1770.0	1771.1	1771.3	1771.3	1771.3	1771.3	1779.3	1795.3
175°	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1778.5	1773.7	1771.3	1776.4	1786.5
177.5°	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1779.3	1775.5	1773.7	1777.7	1785.6
180°	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1



TEST NUMBER: P935421

CATALOG NUMBER: SQ4-FA-125U-050D-927-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5
2.5°	1580.2	1575.6	1581.7	1564.7	1581.7	1575.6	1580.2	1591.1	1581.7	1588.0	1594.1
5°	1386.5	1378.8	1354.0	1333.9	1354.0	1378.8	1386.5	1419.1	1434.6	1462.5	1499.7
7.5°	1239.4	1233.2	1227.0	1214.6	1227.0	1233.2	1239.4	1248.6	1264.2	1288.9	1316.9
10°	1206.8	1208.4	1217.7	1216.1	1217.7	1208.4	1206.8	1203.7	1199.1	1203.7	1220.8
12.5°	1290.5	1304.5	1355.6	1352.4	1355.6	1304.5	1290.5	1228.5	1186.7	1178.9	1182.0
15°	1386.5	1391.2	1402.0	1403.6	1402.0	1391.2	1386.5	1361.7	1236.2	1182.0	1165.0
17.5°	1395.9	1397.4	1405.1	1405.1	1405.1	1397.4	1395.9	1385.0	1343.2	1270.3	1174.3
20°	1388.1	1391.2	1406.7	1409.8	1406.7	1391.2	1388.1	1374.1	1350.9	1324.6	1251.8
22.5°	1385.0	1391.2	1403.6	1402.0	1403.6	1391.2	1385.0	1363.3	1343.2	1324.6	1295.1
25°	1369.5	1369.5	1371.1	1372.6	1371.1	1369.5	1369.5	1352.4	1312.2	1307.5	1290.5
27.5°	1337.0	1340.0	1349.3	1347.8	1349.3	1340.0	1337.0	1330.8	1287.4	1282.7	1270.3
30°	1307.5	1304.5	1296.7	1290.5	1296.7	1304.5	1307.5	1298.2	1254.9	1242.5	1245.6
32.5°	1257.9	1250.2	1242.5	1237.9	1242.5	1250.2	1257.9	1254.9	1222.3	1205.3	1208.4
35°	1199.1	1200.7	1199.1	1194.4	1199.1	1200.7	1199.1	1202.2	1182.0	1166.6	1165.0
37.5°	1157.2	1160.4	1158.8	1152.6	1158.8	1160.4	1157.2	1154.2	1126.3	1121.7	1124.7
40°	1113.9	1115.4	1113.9	1109.3	1113.9	1115.4	1113.9	1107.6	1069.0	1070.5	1081.3
42.5°	1072.1	1070.5	1065.8	1062.8	1065.8	1070.5	1072.1	1062.8	1013.2	1008.5	1028.6
45°	1024.0	1025.6	1016.2	1011.6	1016.2	1025.6	1024.0	1017.9	966.7	954.3	968.3
47.5°	976.0	976.0	968.3	963.6	968.3	976.0	976.0	968.3	914.1	901.7	909.4
50°	924.8	923.3	912.4	910.9	912.4	923.3	924.8	920.2	862.9	852.1	852.1
52.5°	866.0	866.0	867.6	870.6	867.6	866.0	866.0	867.6	816.4	805.6	802.5
55°	814.9	816.4	827.3	830.4	827.3	816.4	814.9	814.9	768.4	757.5	751.4
57.5°	762.2	762.2	769.9	769.9	769.9	762.2	762.2	759.1	714.2	704.9	701.8
60°	701.8	704.9	711.1	709.6	711.1	704.9	701.8	698.7	660.0	653.7	643.0
62.5°	638.3	641.4	643.0	639.8	643.0	641.4	638.3	629.0	605.8	601.1	587.1
65°	571.6	574.7	576.3	573.2	576.3	574.7	571.6	567.0	549.9	542.2	529.8
67.5°	503.5	502.0	500.4	506.6	500.4	502.0	503.5	497.3	486.5	480.2	463.2
70°	433.7	433.7	432.2	435.4	432.2	433.7	433.7	429.1	423.0	418.3	402.8
72.5°	359.4	357.9	364.1	359.4	364.1	357.9	359.4	357.9	354.7	350.1	334.6
75°	286.6	289.7	286.6	291.2	286.6	289.7	286.6	288.1	286.6	283.5	272.7
77.5°	218.4	221.5	218.4	218.4	218.4	221.5	218.4	220.0	220.0	220.0	210.7
80°	154.9	153.4	153.4	151.8	153.4	153.4	154.9	154.9	156.5	153.4	150.3
82.5°	99.2	97.6	97.6	100.7	97.6	97.6	99.2	100.7	97.6	97.6	97.6
85°	54.2	55.7	52.7	52.7	52.7	55.7	54.2	51.1	54.2	54.2	52.7
87.5°	20.2	18.6	18.6	18.6	18.6	18.6	20.2	21.7	21.7	21.7	23.3
90°	45.4	45.4	45.4	45.4	45.4	45.4	45.4	60.6	80.8	90.9	78.1
92.5°	227.2	218.2	182.0	145.9	182.0	218.2	227.2	322.1	448.6	511.9	449.4
95°	771.5	744.1	634.6	525.1	634.6	744.1	771.5	1013.0	1335.1	1496.2	1263.6
97.5°	1780.9	1728.7	1520.4	1312.0	1520.4	1728.7	1780.9	1933.5	2137.1	2238.9	1851.2
100°	2500.9	2438.8	2190.6	1942.3	2190.6	2438.8	2500.9	2489.7	2474.9	2467.4	2037.1
102.5°	3115.7	3062.5	2849.8	2637.2	2849.8	3062.5	3115.7	2921.1	2661.7	2532.0	2095.6
105°	3833.2	3804.6	3690.4	3576.1	3690.4	3804.6	3833.2	3397.1	2815.5	2524.8	2102.2
107.5°	4206.4	4213.3	4240.9	4268.6	4240.9	4213.3	4206.4	3598.0	2786.9	2381.3	2008.7
110°	4302.1	4331.9	4450.9	4570.0	4450.9	4331.9	4302.1	3621.9	2715.1	2261.6	1925.7



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4241.1	4286.8	4469.6	4652.5	4469.6	4286.8	4241.1	3545.0	2616.9	2152.8	1853.3
115°	4034.2	4097.6	4351.1	4604.7	4351.1	4097.6	4034.2	3363.6	2469.5	2022.5	1770.2
117.5°	3748.3	3818.6	4099.8	4381.0	4099.8	3818.6	3748.3	3143.1	2336.3	1932.8	1718.3
120°	3555.8	3624.1	3897.3	4170.5	3897.3	3624.1	3555.8	3002.8	2265.6	1896.9	1700.8
122.5°	3363.2	3430.6	3700.1	3969.6	3700.1	3430.6	3363.2	2865.2	2201.4	1869.4	1691.6
125°	3108.4	3170.5	3418.7	3667.0	3418.7	3170.5	3108.4	2685.5	2121.4	1839.5	1684.0
127.5°	2903.9	2956.3	3165.7	3375.1	3165.7	2956.3	2903.9	2540.7	2056.4	1814.4	1679.6
130°	2774.8	2823.1	3016.6	3210.1	3016.6	2823.1	2774.8	2451.4	2020.3	1804.8	1682.3
132.5°	2664.7	2708.1	2881.3	3054.6	2881.3	2708.1	2664.7	2375.3	1989.4	1796.4	1684.0
135°	2509.3	2546.6	2695.9	2845.3	2695.9	2546.6	2509.3	2266.9	1943.7	1782.1	1682.4
137.5°	2394.4	2425.0	2547.2	2669.5	2547.2	2425.0	2394.4	2189.5	1916.3	1779.7	1692.8
140°	2302.3	2330.9	2445.2	2559.5	2445.2	2330.9	2302.3	2125.3	1889.3	1771.3	1694.5
142.5°	2237.8	2262.3	2360.7	2459.0	2360.7	2262.3	2237.8	2082.3	1875.0	1771.3	1700.6
145°	2140.8	2159.5	2233.8	2308.3	2233.8	2159.5	2140.8	2013.7	1844.2	1759.4	1700.6
147.5°	2059.5	2074.9	2136.6	2198.3	2136.6	2074.9	2059.5	1959.5	1826.1	1759.4	1712.3
150°	2012.9	2025.3	2075.4	2125.4	2075.4	2025.3	2012.9	1928.4	1815.7	1759.4	1718.4
152.5°	1975.8	1985.3	2023.0	2060.8	2023.0	1985.3	1975.8	1903.7	1807.5	1759.4	1722.4
155°	1931.5	1937.8	1962.8	1987.8	1962.8	1937.8	1931.5	1874.2	1797.6	1759.4	1731.2
157.5°	1893.3	1897.7	1915.2	1932.8	1915.2	1897.7	1893.3	1848.6	1789.1	1759.4	1740.0
160°	1874.2	1876.7	1886.8	1896.9	1886.8	1876.7	1874.2	1835.9	1784.9	1759.4	1744.0
162.5°	1856.2	1858.6	1868.2	1877.7	1868.2	1858.6	1856.2	1824.0	1780.9	1759.4	1748.2
165°	1828.7	1831.2	1841.3	1851.5	1841.3	1831.2	1828.7	1805.6	1774.8	1759.4	1754.3
167.5°	1816.7	1817.8	1822.1	1826.3	1822.1	1817.8	1816.7	1801.6	1781.4	1771.3	1767.1
170°	1816.7	1816.7	1816.7	1816.7	1816.7	1816.7	1816.7	1801.6	1781.4	1771.3	1771.0
172.5°	1807.2	1806.3	1802.5	1798.8	1802.5	1806.3	1807.2	1795.3	1779.3	1771.3	1771.3
175°	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1786.5	1776.4	1771.3	1773.7
177.5°	1791.6	1790.6	1786.3	1782.1	1786.3	1790.6	1791.6	1785.6	1777.7	1773.7	1775.5
180°	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1637.5	1637.5	1637.5	1637.5	1637.5
2.5°	1617.4	1625.1	1629.8	1635.9	1651.4
5°	1555.4	1584.8	1594.1	1617.4	1645.3
7.5°	1419.1	1508.9	1533.7	1589.5	1632.9
10°	1287.4	1377.2	1420.6	1552.3	1617.4
12.5°	1220.8	1273.4	1302.9	1487.3	1595.7
15°	1178.9	1216.1	1237.9	1400.5	1570.9
17.5°	1146.4	1172.8	1188.3	1315.3	1536.8
20°	1126.3	1138.7	1152.6	1253.3	1498.1
22.5°	1112.3	1104.6	1115.4	1209.9	1445.4
25°	1103.0	1073.6	1086.0	1175.9	1383.5
27.5°	1110.8	1045.7	1050.4	1144.8	1318.4
30°	1112.3	1011.6	1013.2	1112.3	1245.6
32.5°	1101.5	976.0	977.5	1072.1	1163.5
35°	1075.2	934.2	932.6	1025.6	1051.9
37.5°	1039.5	889.3	889.3	974.4	929.5
40°	996.1	844.3	849.0	907.8	821.1
42.5°	943.5	796.3	802.5	819.5	740.5
45°	886.1	749.8	754.4	692.5	678.5
47.5°	822.6	701.8	703.3	574.7	658.4
50°	746.7	652.2	646.0	492.6	656.9
52.5°	680.1	598.0	579.4	446.1	596.4
55°	615.0	540.7	500.4	410.6	553.1
57.5°	557.7	466.3	427.6	368.7	543.8
60°	505.0	393.5	364.1	323.8	498.9
62.5°	461.7	339.3	333.1	292.8	452.4
65°	415.2	302.1	300.5	266.5	384.2
67.5°	370.3	277.3	275.7	241.7	292.8
70°	322.2	250.9	247.9	215.4	216.9
72.5°	272.7	221.5	218.4	193.7	179.7
75°	223.1	187.4	185.9	168.9	145.6
77.5°	175.1	148.7	151.8	136.4	106.9
80°	125.5	108.4	111.6	97.6	80.5
82.5°	83.6	71.3	74.4	62.0	54.2
85°	46.5	40.3	41.8	32.6	24.8
87.5°	21.7	18.6	18.6	12.4	7.8
90°	52.6	33.5	31.1	21.5	11.9
92.5°	324.6	230.8	210.5	129.1	47.8
95°	798.5	449.7	412.5	263.6	114.8
97.5°	1075.6	494.0	461.2	329.8	198.5
100°	1176.5	531.1	501.3	382.2	263.1
102.5°	1222.8	568.1	540.3	429.3	318.2
105°	1257.0	623.2	599.6	505.5	411.4
107.5°	1263.4	704.5	682.5	594.8	507.1
110°	1253.8	749.9	730.1	650.9	571.7



TEST NUMBER: P935421

CATALOG NUMBER: SQ4-FA-125U-050D-927-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1254.2	804.9	786.0	710.6	635.1
115°	1265.8	887.4	870.0	800.3	730.7
117.5°	1289.3	967.6	951.8	888.5	825.3
120°	1308.5	1014.2	999.4	939.8	880.3
122.5°	1336.0	1069.2	1054.2	994.1	934.1
125°	1373.1	1139.8	1126.1	1071.4	1016.6
127.5°	1410.1	1208.0	1194.2	1138.9	1083.6
130°	1437.2	1253.4	1238.5	1179.0	1119.5
132.5°	1459.2	1290.5	1275.7	1216.1	1156.5
135°	1483.1	1333.6	1320.0	1265.8	1211.6
137.5°	1518.9	1388.5	1375.1	1321.5	1267.8
140°	1540.8	1425.7	1413.3	1363.8	1314.4
142.5°	1559.2	1453.1	1441.7	1396.0	1350.3
145°	1583.1	1495.0	1485.1	1445.2	1405.3
147.5°	1618.2	1547.6	1537.9	1499.1	1460.3
150°	1636.6	1575.2	1566.4	1531.3	1496.2
152.5°	1648.6	1593.1	1586.5	1559.9	1533.3
155°	1674.8	1632.6	1627.6	1608.0	1588.3
157.5°	1701.2	1672.1	1667.3	1648.1	1629.0
160°	1713.1	1690.0	1686.3	1671.4	1656.5
162.5°	1725.9	1709.1	1706.3	1695.2	1684.0
165°	1744.2	1736.6	1734.0	1724.0	1713.9
167.5°	1758.5	1752.1	1751.0	1746.2	1741.4
170°	1770.5	1770.1	1768.9	1764.1	1759.4
172.5°	1771.3	1771.3	1771.1	1770.0	1768.9
175°	1778.5	1782.1	1782.1	1782.1	1782.1
177.5°	1779.3	1782.1	1782.1	1782.1	1782.1
180°	1782.1	1782.1	1782.1	1782.1	1782.1



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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	7.79	8.48	8.93	9.60	11.17	10.64	11.33	11.78	12.45	14.02
	3H	8.26	8.87	9.40	10.00	11.59	11.98	12.60	13.12	13.73	15.31
	4H	8.44	9.02	9.59	10.16	11.74	12.42	13.01	13.57	14.14	15.73
	6H	8.55	9.09	9.71	10.22	11.82	12.70	13.24	13.86	14.38	15.97
	8H	8.54	9.06	9.71	10.21	11.80	12.78	13.29	13.94	14.44	16.03
	12H	8.51	8.99	9.67	10.14	11.75	12.81	13.30	13.98	14.44	16.05
4H	2H	8.81	9.39	9.97	10.52	12.11	11.03	11.61	12.19	12.75	14.33
	3H	9.82	10.31	10.98	11.46	13.06	12.53	13.01	13.69	14.17	15.77
	4H	10.09	10.54	11.25	11.68	13.30	13.05	13.50	14.22	14.65	16.26
	6H	10.20	10.59	11.37	11.76	13.36	13.41	13.79	14.58	14.96	16.57
	8H	10.20	10.56	11.37	11.72	13.35	13.52	13.87	14.69	15.04	16.66
	12H	10.16	10.49	11.35	11.66	13.29	13.57	13.89	14.76	15.07	16.70
8H	4H	10.53	10.89	11.70	12.05	13.68	13.16	13.52	14.33	14.68	16.31
	6H	10.78	11.08	11.97	12.28	13.91	13.60	13.89	14.79	15.09	16.72
	8H	10.83	11.08	12.02	12.26	13.91	13.75	14.01	14.94	15.19	16.83
	12H	10.80	11.03	12.00	12.21	13.88	13.84	14.07	15.04	15.25	16.92
12H	4H	10.53	10.85	11.72	12.03	13.66	13.12	13.44	14.30	14.61	16.24
	6H	10.85	11.10	12.04	12.28	13.93	13.59	13.85	14.79	15.03	16.67
	8H	10.90	11.13	12.10	12.31	13.98	13.75	13.97	14.95	15.15	16.83