

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: P935409

Luminaire Tested: SQ4-FA-125U-050D-830-1D-UNV-STD-W-12

Issue Date: 12/17/2024

**Test Information**

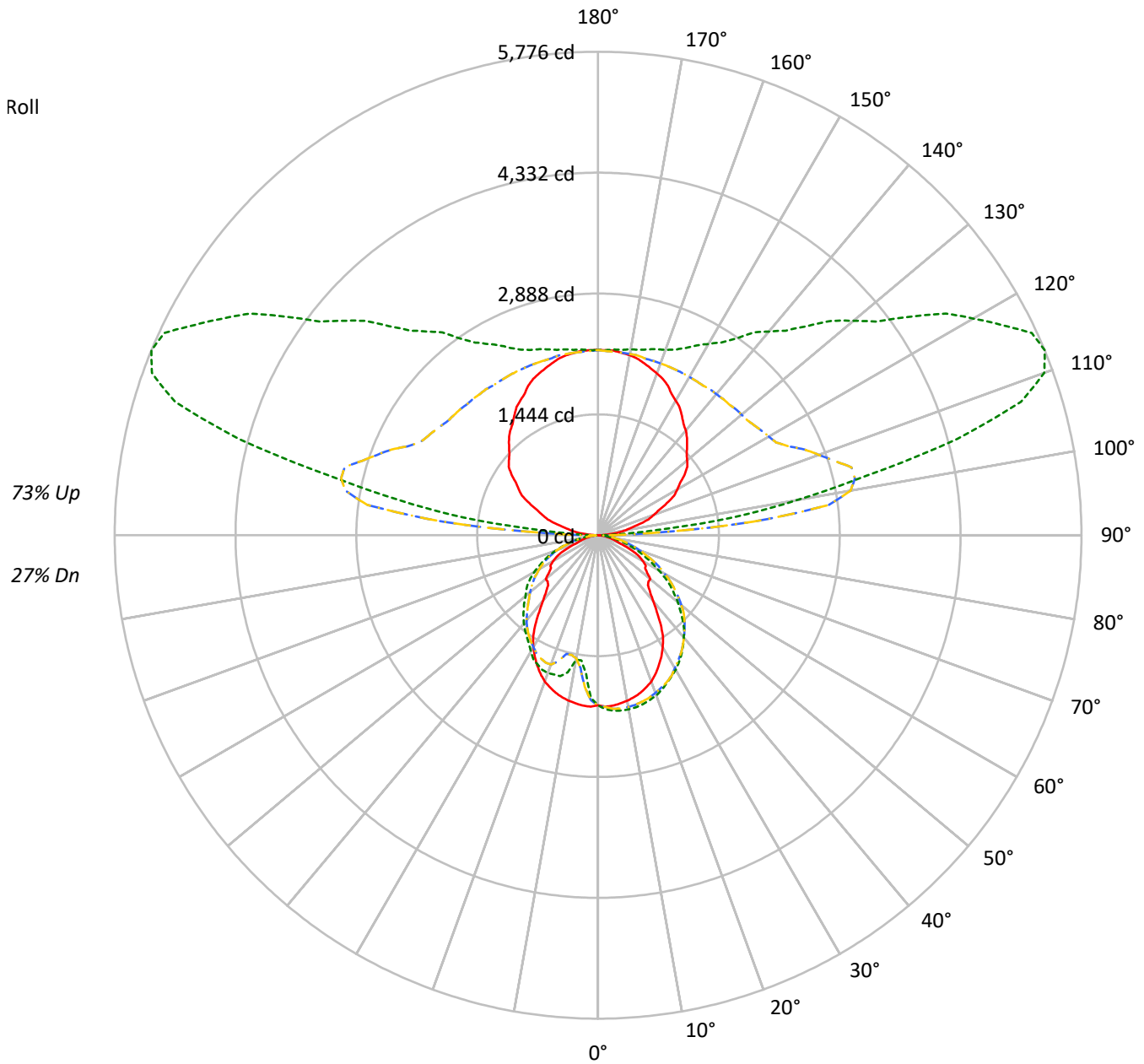
Test Method: LM-79-2019  
Report Number: P935409  
REPORT IS A COMBINATION OF REPORTS P933753 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-050D-830-1D-UNV-STD-W-12  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19622.9 lumens  
Efficiency: N/A  
Efficacy: 137.4 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°	6288	6288	6288	6288
5°	6338	6348	6338	4991
10°	6298	6253	6298	4470
15°	6231	6117	6231	5108
20°	6104	5957	6104	5119
25°	5839	5723	5839	5010
30°	5497	5529	5497	4773
35°	4903	5283	4903	4510
40°	4087	4993	4087	4313
45°	3654	4655	3654	4085
50°	3886	4250	3886	3857
55°	3660	3816	3660	3725
60°	3777	3241	3777	3412
65°	3430	2679	3430	2994
70°	2381	2135	2381	2510
75°	2096	1578	2096	1890
80°	1701	1043	1701	1136
85°	998	553	998	470

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 5598 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	183.5	0.9
10°-20°	521.1	2.7
20°-30°	805.5	4.1
30°-40°	961.6	4.9
40°-50°	967.2	4.9
50°-60°	841.6	4.3
60°-70°	596.7	3.0
70°-80°	315.7	1.6
80°-90°	87.1	0.4
90°-100°	1078.5	5.5
100°-110°	2835.5	14.4
110°-120°	2940.1	15.0
120°-130°	2358.3	12.0
130°-140°	1850.4	9.4
140°-150°	1420.3	7.2
150°-160°	1022.8	5.2
160°-170°	625.8	3.2
170°-180°	211.4	1.1
0°-30°	1510.0	7.7
0°-40°	2471.6	12.6
0°-60°	4280.4	21.8
0°-90°	5279.8	26.9
90°-120°	6854.0	34.9
90°-150°	12482.9	63.6
90°-180°	14343.0	73.1
0°-180°	19622.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2033	2033	2033	2033	2033	
5°	2043	2106	2043	1656	2043	194
15°	1950	2087	1950	1743	1950	549
25°	1718	1946	1718	1704	1718	789
35°	1306	1737	1306	1483	1306	808
45°	842	1431	842	1256	842	675
55°	687	1056	687	1031	687	631
65°	477	637	477	712	477	456
75°	181	302	181	362	181	190
85°	31	77	31	65	31	42
90°	15	56	15	56	15	14
95°	142	652	142	652	142	158
105°	511	4440	511	4440	511	542
115°	907	5717	907	5717	907	896
125°	1262	4553	1262	4553	1262	1121
135°	1504	3533	1504	3533	1504	1164
145°	1745	2866	1745	2866	1745	1093
155°	1972	2468	1972	2468	1972	906
165°	2128	2299	2128	2299	2128	601
175°	2213	2227	2213	2227	2213	210
180°	2213	2213	2213	2213	2213	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0
2.5°	2050.3	2050.3	2061.9	2065.7	2065.7	2060.0	2054.3	2060.0	2077.3	2083.0	2081.1
5°	2042.7	2058.1	2079.2	2083.0	2086.9	2085.0	2081.1	2085.0	2104.3	2108.1	2110.0
7.5°	2027.3	2056.2	2083.0	2088.9	2094.6	2088.9	2086.9	2090.8	2110.0	2113.8	2113.8
10°	2008.1	2048.4	2079.2	2083.0	2088.9	2083.0	2083.0	2090.8	2110.0	2113.8	2115.8
12.5°	1981.1	2036.9	2065.7	2069.6	2077.3	2075.4	2073.5	2081.1	2100.4	2104.3	2104.3
15°	1950.3	2015.7	2042.7	2046.5	2060.0	2056.2	2056.2	2063.8	2085.0	2090.8	2088.9
17.5°	1908.1	1988.9	2019.6	2025.4	2035.0	2033.0	2035.0	2042.7	2061.9	2065.7	2067.7
20°	1860.0	1952.2	1988.9	1994.6	2004.3	2004.3	2004.3	2013.8	2033.0	2040.8	2040.8
22.5°	1794.6	1913.8	1952.2	1956.2	1967.6	1967.6	1971.6	1984.9	2002.2	2004.3	2004.3
25°	1717.6	1871.5	1904.2	1915.7	1927.3	1933.0	1938.9	1946.5	1952.2	1950.3	1952.2
27.5°	1636.9	1817.6	1860.0	1867.6	1883.0	1888.8	1896.5	1898.4	1900.3	1906.1	1902.2
30°	1546.4	1742.6	1806.1	1813.8	1838.8	1842.7	1834.9	1838.8	1848.4	1852.2	1856.1
32.5°	1444.5	1631.0	1750.3	1767.6	1790.7	1779.2	1777.2	1783.0	1798.4	1798.4	1802.3
35°	1306.0	1544.5	1698.4	1713.8	1731.1	1717.6	1725.3	1727.2	1736.9	1742.6	1740.7
37.5°	1154.1	1469.5	1644.5	1656.1	1669.6	1652.3	1663.7	1669.6	1677.2	1673.4	1673.4
40°	1019.4	1352.2	1581.0	1588.8	1600.2	1586.9	1598.3	1602.3	1606.1	1602.3	1600.2
42.5°	919.4	1223.3	1513.7	1523.4	1515.6	1525.3	1529.1	1536.9	1531.0	1523.4	1523.4
45°	842.4	1188.7	1440.7	1452.2	1440.7	1456.1	1461.8	1461.8	1444.5	1440.7	1438.7
47.5°	817.5	1119.5	1367.6	1367.6	1361.8	1381.0	1390.6	1377.2	1359.9	1354.1	1354.1
50°	815.6	1042.5	1267.6	1259.8	1286.8	1309.8	1300.3	1286.8	1273.3	1252.2	1252.2
52.5°	740.5	948.3	1138.7	1167.6	1209.8	1223.3	1207.9	1194.4	1171.4	1161.7	1154.1
55°	686.7	850.2	1021.3	1079.0	1123.3	1140.6	1111.7	1098.3	1063.6	1057.9	1054.1
57.5°	675.1	707.8	913.6	986.7	1040.6	1038.7	1021.3	996.3	967.5	961.7	959.8
60°	619.4	511.7	798.3	884.8	940.5	934.8	919.4	896.3	869.4	865.6	861.7
62.5°	561.6	371.2	667.4	765.6	844.3	842.4	829.0	794.3	775.1	765.6	757.8
65°	477.0	311.6	475.1	636.7	750.2	754.0	725.1	700.2	679.0	667.4	665.5
67.5°	363.6	253.9	321.2	530.9	659.7	655.9	619.4	607.8	580.9	575.1	563.6
70°	269.3	169.3	223.1	430.9	571.3	561.6	532.8	519.3	494.3	480.9	473.1
72.5°	223.1	136.5	163.5	334.7	480.9	469.3	444.3	429.0	407.7	396.3	388.5
75°	180.8	144.3	125.0	248.1	390.4	382.8	359.6	344.3	327.0	311.6	313.5
77.5°	132.7	134.6	100.0	182.7	309.6	298.2	284.7	265.5	257.7	242.3	242.3
80°	100.0	105.8	75.0	125.0	223.1	223.1	211.6	198.1	184.6	177.0	177.0
82.5°	67.3	67.3	55.7	78.9	151.9	146.2	138.5	134.6	127.0	123.1	123.1
85°	30.8	38.4	34.6	48.1	82.7	86.5	86.5	82.7	80.8	77.0	78.9
87.5°	9.7	17.3	21.1	27.0	42.4	44.3	46.2	46.2	46.2	48.1	48.1
90°	14.8	26.7	38.6	41.6	65.3	96.9	112.8	100.3	75.2	56.4	56.4
92.5°	59.4	160.3	261.4	286.6	403.0	558.0	635.5	557.0	399.9	282.1	270.9
95°	142.5	327.3	512.1	558.3	991.4	1568.9	1857.6	1657.6	1257.7	957.8	923.8
97.5°	246.5	409.5	572.5	613.3	1335.4	2298.3	2779.8	2653.4	2400.6	2211.0	2146.3
100°	326.7	474.6	622.4	659.4	1460.7	2529.2	3063.4	3072.7	3091.1	3105.0	3027.9
102.5°	395.0	533.0	670.8	705.3	1518.1	2601.8	3143.6	3304.6	3626.7	3868.3	3802.3
105°	510.8	627.6	744.4	773.7	1560.7	2610.0	3134.6	3495.6	4217.7	4759.2	4723.7
107.5°	629.6	738.5	847.4	874.6	1568.6	2493.9	2956.5	3460.1	4467.1	5222.4	5231.0
110°	709.8	808.1	906.5	931.0	1556.7	2390.9	2808.0	3371.0	4496.8	5341.3	5378.3



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	788.5	882.2	975.9	999.3	1557.1	2301.0	2672.9	3249.1	4401.3	5265.6	5322.3
115°	907.2	993.7	1080.2	1101.8	1571.6	2197.8	2511.0	3066.1	4176.1	5008.7	5087.4
117.5°	1024.6	1103.1	1181.7	1201.3	1600.7	2133.3	2399.7	2900.6	3902.4	4653.7	4741.0
120°	1092.9	1166.8	1240.8	1259.2	1624.5	2111.6	2355.1	2812.8	3728.2	4414.7	4499.5
122.5°	1159.7	1234.3	1308.9	1327.5	1658.7	2100.2	2321.0	2733.1	3557.4	4175.6	4259.3
125°	1262.2	1330.2	1398.1	1415.2	1704.7	2090.8	2283.8	2633.9	3334.1	3859.3	3936.3
127.5°	1345.4	1414.0	1482.7	1499.8	1750.7	2085.3	2252.6	2553.2	3154.4	3605.4	3670.4
130°	1389.9	1463.8	1537.7	1556.2	1784.4	2088.7	2240.8	2508.4	3043.6	3445.0	3505.1
132.5°	1435.9	1509.8	1583.8	1602.3	1811.6	2090.8	2230.3	2469.9	2949.1	3308.4	3362.3
135°	1504.3	1571.6	1638.9	1655.7	1841.4	2088.9	2212.6	2413.2	2814.5	3115.4	3161.8
137.5°	1574.1	1640.7	1707.3	1724.0	1885.8	2101.7	2209.6	2379.2	2718.4	2972.8	3010.7
140°	1631.9	1693.3	1754.6	1770.0	1913.1	2103.8	2199.2	2345.6	2638.7	2858.4	2893.9
142.5°	1676.4	1733.2	1790.0	1804.2	1935.8	2111.4	2199.2	2327.9	2585.3	2778.3	2808.8
145°	1744.8	1794.3	1843.8	1856.2	1965.5	2111.4	2184.4	2289.6	2500.1	2658.0	2681.1
147.5°	1813.1	1861.2	1909.4	1921.5	2009.1	2126.0	2184.4	2267.2	2432.8	2557.0	2576.1
150°	1857.6	1901.2	1944.8	1955.7	2031.9	2133.5	2184.4	2254.3	2394.2	2499.1	2514.6
152.5°	1903.7	1936.7	1969.7	1978.0	2046.8	2138.5	2184.4	2244.1	2363.5	2453.1	2464.9
155°	1971.9	1996.4	2020.8	2026.9	2079.4	2149.4	2184.4	2231.9	2326.9	2398.1	2405.9
157.5°	2022.5	2046.2	2070.0	2076.0	2112.1	2160.3	2184.4	2221.3	2295.2	2350.6	2356.1
160°	2056.6	2075.1	2093.6	2098.2	2126.9	2165.2	2184.4	2216.0	2279.4	2326.9	2330.1
162.5°	2090.8	2104.6	2118.5	2121.9	2142.8	2170.5	2184.4	2211.1	2264.6	2304.6	2307.6
165°	2127.9	2140.4	2152.9	2156.1	2165.5	2178.1	2184.4	2203.5	2241.7	2270.4	2273.6
167.5°	2162.1	2168.0	2173.9	2175.4	2183.3	2193.9	2199.2	2211.7	2236.8	2255.6	2256.9
170°	2184.4	2190.3	2196.2	2197.7	2198.1	2198.8	2199.2	2211.7	2236.8	2255.6	2255.6
172.5°	2196.2	2197.6	2198.9	2199.2	2199.2	2199.2	2199.2	2209.1	2228.9	2243.7	2242.6
175°	2212.6	2212.6	2212.6	2212.6	2208.1	2202.1	2199.2	2205.5	2218.0	2227.4	2227.4
177.5°	2212.6	2212.6	2212.6	2212.6	2209.1	2204.4	2202.1	2207.1	2217.0	2224.4	2223.1
180°	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0
2.5°	2085.0	2079.2	2085.0	2081.1	2083.0	2077.3	2060.0	2054.3	2060.0	2065.7	2065.7
5°	2110.0	2106.2	2110.0	2110.0	2108.1	2104.3	2085.0	2081.1	2085.0	2086.9	2083.0
7.5°	2117.7	2111.9	2117.7	2113.8	2113.8	2110.0	2090.8	2086.9	2088.9	2094.6	2088.9
10°	2117.7	2111.9	2117.7	2115.8	2113.8	2110.0	2090.8	2083.0	2083.0	2088.9	2083.0
12.5°	2108.1	2104.3	2108.1	2104.3	2104.3	2100.4	2081.1	2073.5	2075.4	2077.3	2069.6
15°	2092.7	2086.9	2092.7	2088.9	2090.8	2085.0	2063.8	2056.2	2056.2	2060.0	2046.5
17.5°	2069.6	2061.9	2069.6	2067.7	2065.7	2061.9	2042.7	2035.0	2033.0	2035.0	2025.4
20°	2042.7	2036.9	2042.7	2040.8	2040.8	2033.0	2013.8	2004.3	2004.3	2004.3	1994.6
22.5°	2000.3	1994.6	2000.3	2004.3	2004.3	2002.2	1984.9	1971.6	1967.6	1967.6	1956.2
25°	1952.2	1946.5	1952.2	1952.2	1950.3	1952.2	1946.5	1938.9	1933.0	1927.3	1915.7
27.5°	1906.1	1902.2	1906.1	1902.2	1906.1	1900.3	1898.4	1896.5	1888.8	1883.0	1867.6
30°	1860.0	1856.1	1860.0	1856.1	1852.2	1848.4	1838.8	1834.9	1842.7	1838.8	1813.8
32.5°	1802.3	1798.4	1802.3	1802.3	1798.4	1798.4	1783.0	1777.2	1779.2	1790.7	1767.6
35°	1742.6	1736.9	1742.6	1740.7	1742.6	1736.9	1727.2	1725.3	1717.6	1731.1	1713.8
37.5°	1673.4	1667.6	1673.4	1673.4	1673.4	1677.2	1669.6	1663.7	1652.3	1669.6	1656.1
40°	1602.3	1594.5	1602.3	1600.2	1602.3	1606.1	1602.3	1598.3	1586.9	1600.2	1588.8
42.5°	1521.5	1519.5	1521.5	1523.4	1523.4	1531.0	1536.9	1529.1	1525.3	1515.6	1523.4
45°	1434.9	1431.0	1434.9	1438.7	1440.7	1444.5	1461.8	1461.8	1456.1	1440.7	1452.2
47.5°	1342.5	1333.0	1342.5	1354.1	1354.1	1359.9	1377.2	1390.6	1381.0	1361.8	1367.6
50°	1244.4	1246.3	1244.4	1252.2	1252.2	1273.3	1286.8	1300.3	1309.8	1286.8	1259.8
52.5°	1148.3	1146.3	1148.3	1154.1	1161.7	1171.4	1194.4	1207.9	1223.3	1209.8	1167.6
55°	1052.1	1056.0	1052.1	1054.1	1057.9	1063.6	1098.3	1111.7	1140.6	1123.3	1079.0
57.5°	955.9	950.2	955.9	959.8	961.7	967.5	996.3	1021.3	1038.7	1040.6	986.7
60°	844.3	836.7	844.3	861.7	865.6	869.4	896.3	919.4	934.8	940.5	884.8
62.5°	746.3	732.9	746.3	757.8	765.6	775.1	794.3	829.0	842.4	844.3	765.6
65°	642.4	636.7	642.4	665.5	667.4	679.0	700.2	725.1	754.0	750.2	636.7
67.5°	548.2	548.2	548.2	563.6	575.1	580.9	607.8	619.4	655.9	659.7	530.9
70°	461.7	459.7	461.7	473.1	480.9	494.3	519.3	532.8	561.6	571.3	430.9
72.5°	379.0	377.0	379.0	388.5	396.3	407.7	429.0	444.3	469.3	480.9	334.7
75°	305.8	302.0	305.8	313.5	311.6	327.0	344.3	359.6	382.8	390.4	248.1
77.5°	234.7	234.7	234.7	242.3	242.3	257.7	265.5	284.7	298.2	309.6	182.7
80°	175.0	173.1	175.0	177.0	177.0	184.6	198.1	211.6	223.1	223.1	125.0
82.5°	123.1	119.2	123.1	123.1	123.1	127.0	134.6	138.5	146.2	151.9	78.9
85°	77.0	77.0	77.0	78.9	77.0	80.8	82.7	86.5	86.5	82.7	48.1
87.5°	50.0	48.1	50.0	48.1	48.1	46.2	46.2	46.2	44.3	42.4	27.0
90°	56.4	56.4	56.4	56.4	56.4	75.2	100.3	112.8	96.9	65.3	41.6
92.5°	226.0	181.2	226.0	270.9	282.1	399.9	557.0	635.5	558.0	403.0	286.6
95°	787.8	651.9	787.8	923.8	957.8	1257.7	1657.6	1857.6	1568.9	991.4	558.3
97.5°	1887.6	1628.9	1887.6	2146.3	2211.0	2400.6	2653.4	2779.8	2298.3	1335.4	613.3
100°	2719.7	2411.5	2719.7	3027.9	3105.0	3091.1	3072.7	3063.4	2529.2	1460.7	659.4
102.5°	3538.3	3274.3	3538.3	3802.3	3868.3	3626.7	3304.6	3143.6	2601.8	1518.1	705.3
105°	4581.8	4440.0	4581.8	4723.7	4759.2	4217.7	3495.6	3134.6	2610.0	1560.7	773.7
107.5°	5265.4	5299.7	5265.4	5231.0	5222.4	4467.1	3460.1	2956.5	2493.9	1568.6	874.6
110°	5526.1	5673.9	5526.1	5378.3	5341.3	4496.8	3371.0	2808.0	2390.9	1556.7	931.0





TEST NUMBER: P935409

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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5549.3	5776.3	5549.3	5322.3	5265.6	4401.3	3249.1	2672.9	2301.0	1557.1	999.3
115°	5402.2	5717.0	5402.2	5087.4	5008.7	4176.1	3066.1	2511.0	2197.8	1571.6	1101.8
117.5°	5090.1	5439.3	5090.1	4741.0	4653.7	3902.4	2900.6	2399.7	2133.3	1600.7	1201.3
120°	4838.7	5177.9	4838.7	4499.5	4414.7	3728.2	2812.8	2355.1	2111.6	1624.5	1259.2
122.5°	4593.9	4928.5	4593.9	4259.3	4175.6	3557.4	2733.1	2321.0	2100.2	1658.7	1327.5
125°	4244.5	4552.8	4244.5	3936.3	3859.3	3334.1	2633.9	2283.8	2090.8	1704.7	1415.2
127.5°	3930.4	4190.4	3930.4	3670.4	3605.4	3154.4	2553.2	2252.6	2085.3	1750.7	1499.8
130°	3745.3	3985.6	3745.3	3505.1	3445.0	3043.6	2508.4	2240.8	2088.7	1784.4	1556.2
132.5°	3577.4	3792.5	3577.4	3362.3	3308.4	2949.1	2469.9	2230.3	2090.8	1811.6	1602.3
135°	3347.1	3532.6	3347.1	3161.8	3115.4	2814.5	2413.2	2212.6	2088.9	1841.4	1655.7
137.5°	3162.5	3314.4	3162.5	3010.7	2972.8	2718.4	2379.2	2209.6	2101.7	1885.8	1724.0
140°	3035.9	3177.7	3035.9	2893.9	2858.4	2638.7	2345.6	2199.2	2103.8	1913.1	1770.0
142.5°	2930.9	3053.0	2930.9	2808.8	2778.3	2585.3	2327.9	2199.2	2111.4	1935.8	1804.2
145°	2773.5	2865.9	2773.5	2681.1	2658.0	2500.1	2289.6	2184.4	2111.4	1965.5	1856.2
147.5°	2652.7	2729.3	2652.7	2576.1	2557.0	2432.8	2267.2	2184.4	2126.0	2009.1	1921.5
150°	2576.7	2638.8	2576.7	2514.6	2499.1	2394.2	2254.3	2184.4	2133.5	2031.9	1955.7
152.5°	2511.7	2558.5	2511.7	2464.9	2453.1	2363.5	2244.1	2184.4	2138.5	2046.8	1978.0
155°	2436.9	2467.9	2436.9	2405.9	2398.1	2326.9	2231.9	2184.4	2149.4	2079.4	2026.9
157.5°	2377.9	2399.7	2377.9	2356.1	2350.6	2295.2	2221.3	2184.4	2160.3	2112.1	2076.0
160°	2342.6	2355.1	2342.6	2330.1	2326.9	2279.4	2216.0	2184.4	2165.2	2126.9	2098.2
162.5°	2319.4	2331.3	2319.4	2307.6	2304.6	2264.6	2211.1	2184.4	2170.5	2142.8	2121.9
165°	2286.1	2298.7	2286.1	2273.6	2270.4	2241.7	2203.5	2184.4	2178.1	2165.5	2156.1
167.5°	2262.2	2267.4	2262.2	2256.9	2255.6	2236.8	2211.7	2199.2	2193.9	2183.3	2175.4
170°	2255.6	2255.6	2255.6	2255.6	2255.6	2236.8	2211.7	2199.2	2198.8	2198.1	2197.7
172.5°	2237.9	2233.3	2237.9	2242.6	2243.7	2228.9	2209.1	2199.2	2199.2	2199.2	2199.2
175°	2227.4	2227.4	2227.4	2227.4	2227.4	2218.0	2205.5	2199.2	2202.1	2208.1	2212.6
177.5°	2217.8	2212.6	2217.8	2223.1	2224.4	2217.0	2207.1	2202.1	2204.4	2209.1	2212.6
180°	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6



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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0
2.5°	2061.9	2050.3	2050.3	2031.1	2023.5	2017.6	2008.1	1979.2	1971.6	1963.8	1975.4
5°	2079.2	2058.1	2042.7	2008.1	1979.2	1967.6	1931.1	1861.9	1815.7	1781.1	1761.9
7.5°	2083.0	2056.2	2027.3	1973.5	1904.2	1873.4	1761.9	1635.0	1600.2	1569.6	1550.2
10°	2079.2	2048.4	2008.1	1927.3	1763.8	1709.9	1598.3	1515.6	1494.5	1488.8	1494.5
12.5°	2065.7	2036.9	1981.1	1846.5	1617.6	1581.0	1515.6	1467.6	1463.7	1473.4	1525.3
15°	2042.7	2015.7	1950.3	1738.8	1536.9	1509.9	1463.7	1446.4	1467.6	1534.9	1690.7
17.5°	2019.6	1988.9	1908.1	1633.0	1475.3	1456.1	1423.3	1458.0	1577.2	1667.6	1719.6
20°	1988.9	1952.2	1860.0	1556.1	1431.0	1413.7	1398.3	1554.2	1644.5	1677.2	1706.1
22.5°	1952.2	1913.8	1794.6	1502.2	1384.9	1371.4	1381.0	1608.0	1644.5	1667.6	1692.6
25°	1904.2	1871.5	1717.6	1459.9	1348.3	1333.0	1369.5	1602.3	1623.4	1629.1	1679.1
27.5°	1860.0	1817.6	1636.9	1421.4	1304.1	1298.3	1379.1	1577.2	1592.6	1598.3	1652.3
30°	1806.1	1742.6	1546.4	1381.0	1257.9	1256.0	1381.0	1546.4	1542.6	1558.0	1611.8
32.5°	1750.3	1631.0	1444.5	1331.0	1213.6	1211.7	1367.6	1500.3	1496.4	1517.6	1558.0
35°	1698.4	1544.5	1306.0	1273.3	1157.9	1159.8	1334.9	1446.4	1448.3	1467.6	1492.6
37.5°	1644.5	1469.5	1154.1	1209.8	1104.1	1104.1	1290.6	1396.4	1392.6	1398.3	1432.9
40°	1581.0	1352.2	1019.4	1127.1	1054.1	1048.3	1236.8	1342.5	1329.1	1327.2	1375.2
42.5°	1513.7	1223.3	919.4	1017.5	996.3	988.6	1171.4	1277.1	1252.2	1257.9	1319.5
45°	1440.7	1188.7	842.4	859.7	936.7	931.0	1100.2	1202.2	1184.9	1200.3	1263.7
47.5°	1367.6	1119.5	817.5	713.6	873.2	871.3	1021.3	1129.0	1119.5	1134.9	1202.2
50°	1267.6	1042.5	815.6	611.6	802.1	809.7	927.1	1057.9	1057.9	1071.4	1142.5
52.5°	1138.7	948.3	740.5	553.9	719.4	742.4	844.3	996.3	1000.2	1013.6	1077.1
55°	1021.3	850.2	686.7	509.7	621.3	671.3	763.6	932.9	940.5	954.0	1011.7
57.5°	913.6	707.8	675.1	457.7	530.9	579.0	692.4	871.3	875.1	886.7	942.5
60°	798.3	511.7	619.4	402.0	452.0	488.5	627.0	798.3	811.6	819.4	867.5
62.5°	667.4	371.2	561.6	363.6	413.6	421.2	573.2	728.9	746.3	752.1	781.0
65°	475.1	311.6	477.0	330.9	373.1	375.0	515.5	657.8	673.2	682.8	704.0
67.5°	321.2	253.9	363.6	300.1	342.3	344.3	459.7	575.1	596.3	604.0	617.4
70°	223.1	169.3	269.3	267.4	307.7	311.6	400.1	500.1	519.3	525.1	532.8
72.5°	163.5	136.5	223.1	240.4	271.2	275.0	338.5	415.5	434.7	440.4	444.3
75°	125.0	144.3	180.8	209.7	230.8	232.7	277.0	338.5	352.0	355.8	357.7
77.5°	100.0	134.6	132.7	169.3	188.5	184.6	217.4	261.6	273.1	273.1	273.1
80°	75.0	105.8	100.0	121.2	138.5	134.6	155.8	186.6	190.4	194.3	192.3
82.5°	55.7	67.3	67.3	77.0	92.3	88.5	103.8	121.2	121.2	121.2	125.0
85°	34.6	38.4	30.8	40.4	51.9	50.0	57.7	65.4	67.3	67.3	63.5
87.5°	21.1	17.3	9.7	15.4	23.0	23.0	27.0	28.9	27.0	27.0	27.0
90°	38.6	26.7	14.8	26.7	38.6	41.6	65.3	96.9	112.8	100.3	75.2
92.5°	261.4	160.3	59.4	160.3	261.4	286.6	403.0	558.0	635.5	557.0	399.9
95°	512.1	327.3	142.5	327.3	512.1	558.3	991.4	1568.9	1857.6	1657.6	1257.7
97.5°	572.5	409.5	246.5	409.5	572.5	613.3	1335.4	2298.3	2779.8	2653.4	2400.6
100°	622.4	474.6	326.7	474.6	622.4	659.4	1460.7	2529.2	3063.4	3072.7	3091.1
102.5°	670.8	533.0	395.0	533.0	670.8	705.3	1518.1	2601.8	3143.6	3304.6	3626.7
105°	744.4	627.6	510.8	627.6	744.4	773.7	1560.7	2610.0	3134.6	3495.6	4217.7
107.5°	847.4	738.5	629.6	738.5	847.4	874.6	1568.6	2493.9	2956.5	3460.1	4467.1
110°	906.5	808.1	709.8	808.1	906.5	931.0	1556.7	2390.9	2808.0	3371.0	4496.8



TEST NUMBER: P935409

CATALOG NUMBER: SQ4-FA-125U-050D-830-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	975.9	882.2	788.5	882.2	975.9	999.3	1557.1	2301.0	2672.9	3249.1	4401.3
115°	1080.2	993.7	907.2	993.7	1080.2	1101.8	1571.6	2197.8	2511.0	3066.1	4176.1
117.5°	1181.7	1103.1	1024.6	1103.1	1181.7	1201.3	1600.7	2133.3	2399.7	2900.6	3902.4
120°	1240.8	1166.8	1092.9	1166.8	1240.8	1259.2	1624.5	2111.6	2355.1	2812.8	3728.2
122.5°	1308.9	1234.3	1159.7	1234.3	1308.9	1327.5	1658.7	2100.2	2321.0	2733.1	3557.4
125°	1398.1	1330.2	1262.2	1330.2	1398.1	1415.2	1704.7	2090.8	2283.8	2633.9	3334.1
127.5°	1482.7	1414.0	1345.4	1414.0	1482.7	1499.8	1750.7	2085.3	2252.6	2553.2	3154.4
130°	1537.7	1463.8	1389.9	1463.8	1537.7	1556.2	1784.4	2088.7	2240.8	2508.4	3043.6
132.5°	1583.8	1509.8	1435.9	1509.8	1583.8	1602.3	1811.6	2090.8	2230.3	2469.9	2949.1
135°	1638.9	1571.6	1504.3	1571.6	1638.9	1655.7	1841.4	2088.9	2212.6	2413.2	2814.5
137.5°	1707.3	1640.7	1574.1	1640.7	1707.3	1724.0	1885.8	2101.7	2209.6	2379.2	2718.4
140°	1754.6	1693.3	1631.9	1693.3	1754.6	1770.0	1913.1	2103.8	2199.2	2345.6	2638.7
142.5°	1790.0	1733.2	1676.4	1733.2	1790.0	1804.2	1935.8	2111.4	2199.2	2327.9	2585.3
145°	1843.8	1794.3	1744.8	1794.3	1843.8	1856.2	1965.5	2111.4	2184.4	2289.6	2500.1
147.5°	1909.4	1861.2	1813.1	1861.2	1909.4	1921.5	2009.1	2126.0	2184.4	2267.2	2432.8
150°	1944.8	1901.2	1857.6	1901.2	1944.8	1955.7	2031.9	2133.5	2184.4	2254.3	2394.2
152.5°	1969.7	1936.7	1903.7	1936.7	1969.7	1978.0	2046.8	2138.5	2184.4	2244.1	2363.5
155°	2020.8	1996.4	1971.9	1996.4	2020.8	2026.9	2079.4	2149.4	2184.4	2231.9	2326.9
157.5°	2070.0	2046.2	2022.5	2046.2	2070.0	2076.0	2112.1	2160.3	2184.4	2221.3	2295.2
160°	2093.6	2075.1	2056.6	2075.1	2093.6	2098.2	2126.9	2165.2	2184.4	2216.0	2279.4
162.5°	2118.5	2104.6	2090.8	2104.6	2118.5	2121.9	2142.8	2170.5	2184.4	2211.1	2264.6
165°	2152.9	2140.4	2127.9	2140.4	2152.9	2156.1	2165.5	2178.1	2184.4	2203.5	2241.7
167.5°	2173.9	2168.0	2162.1	2168.0	2173.9	2175.4	2183.3	2193.9	2199.2	2211.7	2236.8
170°	2196.2	2190.3	2184.4	2190.3	2196.2	2197.7	2198.1	2198.8	2199.2	2211.7	2236.8
172.5°	2198.9	2197.6	2196.2	2197.6	2198.9	2199.2	2199.2	2199.2	2199.2	2209.1	2228.9
175°	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2208.1	2202.1	2199.2	2205.5	2218.0
177.5°	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2209.1	2204.4	2202.1	2207.1	2217.0
180°	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6



TEST NUMBER: P935409

CATALOG NUMBER: SQ4-FA-125U-050D-830-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0
2.5°	1961.9	1956.2	1963.8	1942.7	1963.8	1956.2	1961.9	1975.4	1963.8	1971.6	1979.2
5°	1721.5	1711.8	1681.1	1656.1	1681.1	1711.8	1721.5	1761.9	1781.1	1815.7	1861.9
7.5°	1538.8	1531.0	1523.4	1508.0	1523.4	1531.0	1538.8	1550.2	1569.6	1600.2	1635.0
10°	1498.3	1500.3	1511.8	1509.9	1511.8	1500.3	1498.3	1494.5	1488.8	1494.5	1515.6
12.5°	1602.3	1619.6	1683.0	1679.1	1683.0	1619.6	1602.3	1525.3	1473.4	1463.7	1467.6
15°	1721.5	1727.2	1740.7	1742.6	1740.7	1727.2	1721.5	1690.7	1534.9	1467.6	1446.4
17.5°	1733.0	1734.9	1744.5	1744.5	1744.5	1734.9	1733.0	1719.6	1667.6	1577.2	1458.0
20°	1723.4	1727.2	1746.5	1750.3	1746.5	1727.2	1723.4	1706.1	1677.2	1644.5	1554.2
22.5°	1719.6	1727.2	1742.6	1740.7	1742.6	1727.2	1719.6	1692.6	1667.6	1644.5	1608.0
25°	1700.3	1700.3	1702.3	1704.2	1702.3	1700.3	1700.3	1679.1	1629.1	1623.4	1602.3
27.5°	1659.9	1663.7	1675.3	1673.4	1675.3	1663.7	1659.9	1652.3	1598.3	1592.6	1577.2
30°	1623.4	1619.6	1609.9	1602.3	1609.9	1619.6	1623.4	1611.8	1558.0	1542.6	1546.4
32.5°	1561.8	1552.2	1542.6	1536.9	1542.6	1552.2	1561.8	1558.0	1517.6	1496.4	1500.3
35°	1488.8	1490.7	1488.8	1482.9	1488.8	1490.7	1488.8	1492.6	1467.6	1448.3	1446.4
37.5°	1436.8	1440.7	1438.7	1431.0	1438.7	1440.7	1436.8	1432.9	1398.3	1392.6	1396.4
40°	1382.9	1384.9	1382.9	1377.2	1382.9	1384.9	1382.9	1375.2	1327.2	1329.1	1342.5
42.5°	1331.0	1329.1	1323.3	1319.5	1323.3	1329.1	1331.0	1319.5	1257.9	1252.2	1277.1
45°	1271.4	1273.3	1261.7	1256.0	1261.7	1273.3	1271.4	1263.7	1200.3	1184.9	1202.2
47.5°	1211.7	1211.7	1202.2	1196.3	1202.2	1211.7	1211.7	1202.2	1134.9	1119.5	1129.0
50°	1148.3	1146.3	1132.9	1130.9	1132.9	1146.3	1148.3	1142.5	1071.4	1057.9	1057.9
52.5°	1075.2	1075.2	1077.1	1080.9	1077.1	1075.2	1075.2	1077.1	1013.6	1000.2	996.3
55°	1011.7	1013.6	1027.1	1031.0	1027.1	1013.6	1011.7	1011.7	954.0	940.5	932.9
57.5°	946.3	946.3	955.9	955.9	955.9	946.3	946.3	942.5	886.7	875.1	871.3
60°	871.3	875.1	882.9	881.0	882.9	875.1	871.3	867.5	819.4	811.6	798.3
62.5°	792.4	796.3	798.3	794.3	798.3	796.3	792.4	781.0	752.1	746.3	728.9
65°	709.7	713.6	715.5	711.6	715.5	713.6	709.7	704.0	682.8	673.2	657.8
67.5°	625.1	623.2	621.3	629.0	621.3	623.2	625.1	617.4	604.0	596.3	575.1
70°	538.5	538.5	536.6	540.5	536.6	538.5	538.5	532.8	525.1	519.3	500.1
72.5°	446.3	444.3	452.0	446.3	452.0	444.3	446.3	444.3	440.4	434.7	415.5
75°	355.8	359.6	355.8	361.6	355.8	359.6	355.8	357.7	355.8	352.0	338.5
77.5°	271.2	275.0	271.2	271.2	271.2	275.0	271.2	273.1	273.1	273.1	261.6
80°	192.3	190.4	190.4	188.5	190.4	190.4	192.3	192.3	194.3	190.4	186.6
82.5°	123.1	121.2	121.2	125.0	121.2	121.2	123.1	125.0	121.2	121.2	121.2
85°	67.3	69.2	65.4	65.4	65.4	69.2	67.3	63.5	67.3	67.3	65.4
87.5°	25.0	23.0	23.0	23.0	23.0	23.0	25.0	27.0	27.0	27.0	28.9
90°	56.4	56.4	56.4	56.4	56.4	56.4	56.4	75.2	100.3	112.8	96.9
92.5°	282.1	270.9	226.0	181.2	226.0	270.9	282.1	399.9	557.0	635.5	558.0
95°	957.8	923.8	787.8	651.9	787.8	923.8	957.8	1257.7	1657.6	1857.6	1568.9
97.5°	2211.0	2146.3	1887.6	1628.9	1887.6	2146.3	2211.0	2400.6	2653.4	2779.8	2298.3
100°	3105.0	3027.9	2719.7	2411.5	2719.7	3027.9	3105.0	3091.1	3072.7	3063.4	2529.2
102.5°	3868.3	3802.3	3538.3	3274.3	3538.3	3802.3	3868.3	3626.7	3304.6	3143.6	2601.8
105°	4759.2	4723.7	4581.8	4440.0	4581.8	4723.7	4759.2	4217.7	3495.6	3134.6	2610.0
107.5°	5222.4	5231.0	5265.4	5299.7	5265.4	5231.0	5222.4	4467.1	3460.1	2956.5	2493.9
110°	5341.3	5378.3	5526.1	5673.9	5526.1	5378.3	5341.3	4496.8	3371.0	2808.0	2390.9



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5265.6	5322.3	5549.3	5776.3	5549.3	5322.3	5265.6	4401.3	3249.1	2672.9	2301.0
115°	5008.7	5087.4	5402.2	5717.0	5402.2	5087.4	5008.7	4176.1	3066.1	2511.0	2197.8
117.5°	4653.7	4741.0	5090.1	5439.3	5090.1	4741.0	4653.7	3902.4	2900.6	2399.7	2133.3
120°	4414.7	4499.5	4838.7	5177.9	4838.7	4499.5	4414.7	3728.2	2812.8	2355.1	2111.6
122.5°	4175.6	4259.3	4593.9	4928.5	4593.9	4259.3	4175.6	3557.4	2733.1	2321.0	2100.2
125°	3859.3	3936.3	4244.5	4552.8	4244.5	3936.3	3859.3	3334.1	2633.9	2283.8	2090.8
127.5°	3605.4	3670.4	3930.4	4190.4	3930.4	3670.4	3605.4	3154.4	2553.2	2252.6	2085.3
130°	3445.0	3505.1	3745.3	3985.6	3745.3	3505.1	3445.0	3043.6	2508.4	2240.8	2088.7
132.5°	3308.4	3362.3	3577.4	3792.5	3577.4	3362.3	3308.4	2949.1	2469.9	2230.3	2090.8
135°	3115.4	3161.8	3347.1	3532.6	3347.1	3161.8	3115.4	2814.5	2413.2	2212.6	2088.9
137.5°	2972.8	3010.7	3162.5	3314.4	3162.5	3010.7	2972.8	2718.4	2379.2	2209.6	2101.7
140°	2858.4	2893.9	3035.9	3177.7	3035.9	2893.9	2858.4	2638.7	2345.6	2199.2	2103.8
142.5°	2778.3	2808.8	2930.9	3053.0	2930.9	2808.8	2778.3	2585.3	2327.9	2199.2	2111.4
145°	2658.0	2681.1	2773.5	2865.9	2773.5	2681.1	2658.0	2500.1	2289.6	2184.4	2111.4
147.5°	2557.0	2576.1	2652.7	2729.3	2652.7	2576.1	2557.0	2432.8	2267.2	2184.4	2126.0
150°	2499.1	2514.6	2576.7	2638.8	2576.7	2514.6	2499.1	2394.2	2254.3	2184.4	2133.5
152.5°	2453.1	2464.9	2511.7	2558.5	2511.7	2464.9	2453.1	2363.5	2244.1	2184.4	2138.5
155°	2398.1	2405.9	2436.9	2467.9	2436.9	2405.9	2398.1	2326.9	2231.9	2184.4	2149.4
157.5°	2350.6	2356.1	2377.9	2399.7	2377.9	2356.1	2350.6	2295.2	2221.3	2184.4	2160.3
160°	2326.9	2330.1	2342.6	2355.1	2342.6	2330.1	2326.9	2279.4	2216.0	2184.4	2165.2
162.5°	2304.6	2307.6	2319.4	2331.3	2319.4	2307.6	2304.6	2264.6	2211.1	2184.4	2170.5
165°	2270.4	2273.6	2286.1	2298.7	2286.1	2273.6	2270.4	2241.7	2203.5	2184.4	2178.1
167.5°	2255.6	2256.9	2262.2	2267.4	2262.2	2256.9	2255.6	2236.8	2211.7	2199.2	2193.9
170°	2255.6	2255.6	2255.6	2255.6	2255.6	2255.6	2255.6	2236.8	2211.7	2199.2	2198.8
172.5°	2243.7	2242.6	2237.9	2233.3	2237.9	2242.6	2243.7	2228.9	2209.1	2199.2	2199.2
175°	2227.4	2227.4	2227.4	2227.4	2227.4	2227.4	2227.4	2218.0	2205.5	2199.2	2202.1
177.5°	2224.4	2223.1	2217.8	2212.6	2217.8	2223.1	2224.4	2217.0	2207.1	2202.1	2204.4
180°	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2033.0	2033.0	2033.0	2033.0	2033.0
2.5°	2008.1	2017.6	2023.5	2031.1	2050.3
5°	1931.1	1967.6	1979.2	2008.1	2042.7
7.5°	1761.9	1873.4	1904.2	1973.5	2027.3
10°	1598.3	1709.9	1763.8	1927.3	2008.1
12.5°	1515.6	1581.0	1617.6	1846.5	1981.1
15°	1463.7	1509.9	1536.9	1738.8	1950.3
17.5°	1423.3	1456.1	1475.3	1633.0	1908.1
20°	1398.3	1413.7	1431.0	1556.1	1860.0
22.5°	1381.0	1371.4	1384.9	1502.2	1794.6
25°	1369.5	1333.0	1348.3	1459.9	1717.6
27.5°	1379.1	1298.3	1304.1	1421.4	1636.9
30°	1381.0	1256.0	1257.9	1381.0	1546.4
32.5°	1367.6	1211.7	1213.6	1331.0	1444.5
35°	1334.9	1159.8	1157.9	1273.3	1306.0
37.5°	1290.6	1104.1	1104.1	1209.8	1154.1
40°	1236.8	1048.3	1054.1	1127.1	1019.4
42.5°	1171.4	988.6	996.3	1017.5	919.4
45°	1100.2	931.0	936.7	859.7	842.4
47.5°	1021.3	871.3	873.2	713.6	817.5
50°	927.1	809.7	802.1	611.6	815.6
52.5°	844.3	742.4	719.4	553.9	740.5
55°	763.6	671.3	621.3	509.7	686.7
57.5°	692.4	579.0	530.9	457.7	675.1
60°	627.0	488.5	452.0	402.0	619.4
62.5°	573.2	421.2	413.6	363.6	561.6
65°	515.5	375.0	373.1	330.9	477.0
67.5°	459.7	344.3	342.3	300.1	363.6
70°	400.1	311.6	307.7	267.4	269.3
72.5°	338.5	275.0	271.2	240.4	223.1
75°	277.0	232.7	230.8	209.7	180.8
77.5°	217.4	184.6	188.5	169.3	132.7
80°	155.8	134.6	138.5	121.2	100.0
82.5°	103.8	88.5	92.3	77.0	67.3
85°	57.7	50.0	51.9	40.4	30.8
87.5°	27.0	23.0	23.0	15.4	9.7
90°	65.3	41.6	38.6	26.7	14.8
92.5°	403.0	286.6	261.4	160.3	59.4
95°	991.4	558.3	512.1	327.3	142.5
97.5°	1335.4	613.3	572.5	409.5	246.5
100°	1460.7	659.4	622.4	474.6	326.7
102.5°	1518.1	705.3	670.8	533.0	395.0
105°	1560.7	773.7	744.4	627.6	510.8
107.5°	1568.6	874.6	847.4	738.5	629.6
110°	1556.7	931.0	906.5	808.1	709.8



TEST NUMBER: P935409

CATALOG NUMBER: SQ4-FA-125U-050D-830-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1557.1	999.3	975.9	882.2	788.5
115°	1571.6	1101.8	1080.2	993.7	907.2
117.5°	1600.7	1201.3	1181.7	1103.1	1024.6
120°	1624.5	1259.2	1240.8	1166.8	1092.9
122.5°	1658.7	1327.5	1308.9	1234.3	1159.7
125°	1704.7	1415.2	1398.1	1330.2	1262.2
127.5°	1750.7	1499.8	1482.7	1414.0	1345.4
130°	1784.4	1556.2	1537.7	1463.8	1389.9
132.5°	1811.6	1602.3	1583.8	1509.8	1435.9
135°	1841.4	1655.7	1638.9	1571.6	1504.3
137.5°	1885.8	1724.0	1707.3	1640.7	1574.1
140°	1913.1	1770.0	1754.6	1693.3	1631.9
142.5°	1935.8	1804.2	1790.0	1733.2	1676.4
145°	1965.5	1856.2	1843.8	1794.3	1744.8
147.5°	2009.1	1921.5	1909.4	1861.2	1813.1
150°	2031.9	1955.7	1944.8	1901.2	1857.6
152.5°	2046.8	1978.0	1969.7	1936.7	1903.7
155°	2079.4	2026.9	2020.8	1996.4	1971.9
157.5°	2112.1	2076.0	2070.0	2046.2	2022.5
160°	2126.9	2098.2	2093.6	2075.1	2056.6
162.5°	2142.8	2121.9	2118.5	2104.6	2090.8
165°	2165.5	2156.1	2152.9	2140.4	2127.9
167.5°	2183.3	2175.4	2173.9	2168.0	2162.1
170°	2198.1	2197.7	2196.2	2190.3	2184.4
172.5°	2199.2	2199.2	2198.9	2197.6	2196.2
175°	2208.1	2212.6	2212.6	2212.6	2212.6
177.5°	2209.1	2212.6	2212.6	2212.6	2212.6
180°	2212.6	2212.6	2212.6	2212.6	2212.6



TEST NUMBER: P935409  
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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	8.55	9.23	9.68	10.36	11.92	11.40	12.08	12.53	13.21	14.77
	3H	9.01	9.62	10.15	10.75	12.34	12.74	13.35	13.88	14.48	16.06
	4H	9.19	9.77	10.34	10.91	12.49	13.18	13.76	14.33	14.89	16.48
	6H	9.30	9.84	10.46	10.97	12.57	13.46	13.99	14.61	15.13	16.73
	8H	9.30	9.81	10.46	10.96	12.55	13.53	14.04	14.69	15.19	16.78
	12H	9.26	9.75	10.43	10.89	12.50	13.56	14.05	14.73	15.19	16.81
4H	2H	9.56	10.14	10.72	11.28	12.86	11.78	12.37	12.94	13.50	15.09
	3H	10.57	11.06	11.73	12.22	13.82	13.28	13.76	14.44	14.92	16.52
	4H	10.84	11.29	12.01	12.43	14.05	13.80	14.25	14.97	15.40	17.02
	6H	10.95	11.34	12.13	12.51	14.12	14.16	14.55	15.33	15.72	17.33
	8H	10.96	11.31	12.13	12.47	14.10	14.27	14.63	15.44	15.79	17.41
	12H	10.91	11.24	12.10	12.41	14.04	14.32	14.65	15.51	15.82	17.45
8H	4H	11.28	11.64	12.45	12.80	14.43	13.91	14.27	15.08	15.43	17.06
	6H	11.54	11.83	12.73	13.04	14.66	14.35	14.64	15.54	15.85	17.47
	8H	11.58	11.83	12.77	13.02	14.66	14.50	14.76	15.70	15.94	17.58
	12H	11.55	11.78	12.75	12.96	14.63	14.60	14.82	15.79	16.00	17.68
12H	4H	11.28	11.60	12.47	12.78	14.41	13.87	14.19	15.05	15.37	17.00
	6H	11.60	11.85	12.79	13.04	14.68	14.34	14.60	15.54	15.78	17.42
	8H	11.66	11.88	12.85	13.06	14.73	14.50	14.73	15.70	15.90	17.58