

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: P935505

Luminaire Tested: SQ4-FA-125U-050D-B50-1D-UNV-STD-W-12

Issue Date: 12/17/2024

**Test Information**

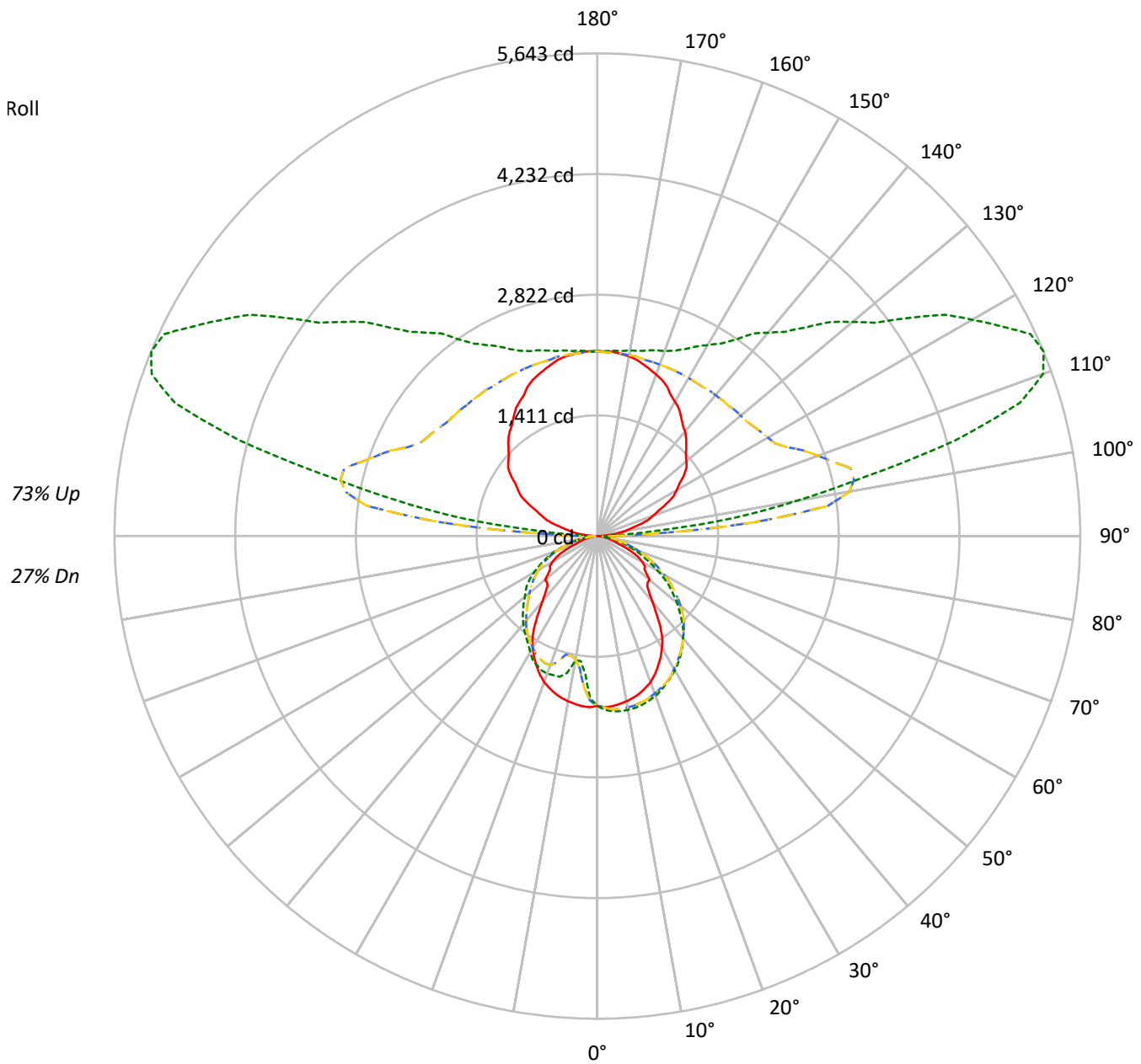
Test Method: LM-79-2019  
Report Number: P935505  
REPORT IS A COMBINATION OF REPORTS P933753 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-050D-B50-1D-UNV-STD-W-12  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19171.3 lumens  
Efficiency: N/A  
Efficacy: 134.3 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°	6143	6143	6143	6143
5°	6192	6202	6192	4877
10°	6153	6109	6153	4368
15°	6088	5977	6088	4991
20°	5963	5820	5963	5001
25°	5705	5591	5705	4895
30°	5370	5401	5370	4663
35°	4790	5161	4790	4407
40°	3993	4878	3993	4214
45°	3570	4548	3570	3991
50°	3796	4153	3796	3768
55°	3575	3728	3575	3639
60°	3690	3166	3690	3333
65°	3351	2617	3351	2925
70°	2326	2086	2326	2452
75°	2047	1542	2047	1846
80°	1662	1019	1662	1110
85°	975	540	975	459

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 5469 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	179.3	0.9
10°-20°	509.1	2.7
20°-30°	786.9	4.1
30°-40°	939.4	4.9
40°-50°	944.9	4.9
50°-60°	822.2	4.3
60°-70°	583.0	3.0
70°-80°	308.4	1.6
80°-90°	85.1	0.4
90°-100°	1053.7	5.5
100°-110°	2770.2	14.4
110°-120°	2872.4	15.0
120°-130°	2304.0	12.0
130°-140°	1807.8	9.4
140°-150°	1387.6	7.2
150°-160°	999.3	5.2
160°-170°	611.4	3.2
170°-180°	206.6	1.1
0°-30°	1475.3	7.7
0°-40°	2414.7	12.6
0°-60°	4181.9	21.8
0°-90°	5158.3	26.9
90°-120°	6696.3	34.9
90°-150°	12195.7	63.6
90°-180°	14013.0	73.1
0°-180°	19171.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1986	1986	1986	1986	1986	
5°	1996	2058	1996	1618	1996	189
15°	1906	2039	1906	1702	1906	536
25°	1678	1902	1678	1665	1678	771
35°	1276	1697	1276	1449	1276	789
45°	823	1398	823	1227	823	659
55°	671	1032	671	1007	671	616
65°	466	622	466	695	466	445
75°	177	295	177	353	177	186
85°	30	75	30	64	30	41
90°	14	55	14	55	14	13
95°	139	637	139	637	139	155
105°	499	4338	499	4338	499	529
115°	886	5585	886	5585	886	876
125°	1233	4448	1233	4448	1233	1095
135°	1470	3451	1470	3451	1470	1137
145°	1705	2800	1705	2800	1705	1068
155°	1927	2411	1927	2411	1927	885
165°	2079	2246	2079	2246	2079	587
175°	2162	2176	2162	2176	2162	205
180°	2162	2162	2162	2162	2162	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2
2.5°	2003.1	2003.1	2014.5	2018.2	2018.2	2012.6	2007.0	2012.6	2029.5	2035.1	2033.2
5°	1995.7	2010.7	2031.4	2035.1	2038.9	2037.1	2033.2	2037.1	2055.8	2059.6	2061.4
7.5°	1980.6	2008.8	2035.1	2040.8	2046.4	2040.8	2038.9	2042.7	2061.4	2065.2	2065.2
10°	1961.9	2001.3	2031.4	2035.1	2040.8	2035.1	2035.1	2042.7	2061.4	2065.2	2067.1
12.5°	1935.5	1990.1	2018.2	2022.0	2029.5	2027.6	2025.8	2033.2	2052.1	2055.8	2055.8
15°	1905.5	1969.3	1995.7	1999.4	2012.6	2008.8	2008.8	2016.3	2037.1	2042.7	2040.8
17.5°	1864.2	1943.1	1973.2	1978.8	1988.2	1986.2	1988.2	1995.7	2014.5	2018.2	2020.1
20°	1817.2	1907.3	1943.1	1948.7	1958.1	1958.1	1958.1	1967.5	1986.2	1993.8	1993.8
22.5°	1753.3	1869.8	1907.3	1911.2	1922.4	1922.4	1926.2	1939.3	1956.2	1958.1	1958.1
25°	1678.1	1828.4	1860.3	1871.6	1882.9	1888.5	1894.2	1901.7	1907.3	1905.5	1907.3
27.5°	1599.2	1775.8	1817.2	1824.7	1839.7	1845.3	1852.9	1854.7	1856.6	1862.2	1858.5
30°	1510.8	1702.5	1764.5	1772.1	1796.5	1800.3	1792.7	1796.5	1805.9	1809.6	1813.4
32.5°	1411.3	1593.5	1710.1	1727.0	1749.5	1738.3	1736.3	1742.0	1757.0	1757.0	1760.8
35°	1275.9	1509.0	1659.3	1674.4	1691.3	1678.1	1685.6	1687.5	1696.9	1702.5	1700.6
37.5°	1127.5	1435.7	1606.7	1618.0	1631.1	1614.2	1625.4	1631.1	1638.6	1634.9	1634.9
40°	995.9	1321.0	1544.6	1552.2	1563.4	1550.3	1561.6	1565.4	1569.1	1565.4	1563.4
42.5°	898.2	1195.1	1478.9	1488.3	1480.8	1490.2	1493.9	1501.5	1495.8	1488.3	1488.3
45°	823.0	1161.3	1407.5	1418.7	1407.5	1422.6	1428.2	1428.2	1411.3	1407.5	1405.6
47.5°	798.7	1093.7	1336.1	1336.1	1330.5	1349.3	1358.6	1345.5	1328.6	1322.9	1322.9
50°	796.8	1018.5	1238.4	1230.8	1257.2	1279.7	1270.3	1257.2	1244.0	1223.4	1223.4
52.5°	723.5	926.4	1112.5	1140.7	1182.0	1195.1	1180.1	1166.9	1144.4	1135.0	1127.5
55°	670.9	830.6	997.8	1054.2	1097.4	1114.4	1086.1	1073.0	1039.2	1033.6	1029.8
57.5°	659.6	691.5	892.6	964.0	1016.7	1014.8	997.8	973.4	945.2	939.6	937.7
60°	605.1	499.9	779.9	864.4	918.9	913.3	898.2	875.7	849.4	845.6	841.9
62.5°	548.7	362.7	652.0	747.9	824.9	823.0	810.0	776.1	757.3	747.9	740.4
65°	466.1	304.4	464.2	622.0	732.9	736.6	708.4	684.1	663.3	652.0	650.2
67.5°	355.2	248.1	313.8	518.7	644.6	640.8	605.1	593.8	567.5	561.9	550.6
70°	263.1	165.4	218.0	421.0	558.2	548.7	520.5	507.3	483.0	469.8	462.2
72.5°	218.0	133.4	159.7	327.0	469.8	458.5	434.1	419.1	398.4	387.1	379.6
75°	176.6	140.9	122.2	242.4	381.4	374.0	351.4	336.3	319.4	304.4	306.3
77.5°	129.6	131.5	97.7	178.5	302.5	291.3	278.1	259.4	251.8	236.8	236.8
80°	97.7	103.4	73.3	122.2	218.0	218.0	206.7	193.5	180.4	172.9	172.9
82.5°	65.8	65.8	54.5	77.1	148.4	142.8	135.3	131.5	124.0	120.3	120.3
85°	30.1	37.5	33.8	47.0	80.8	84.5	84.5	80.8	78.9	75.2	77.1
87.5°	9.4	16.9	20.6	26.3	41.4	43.2	45.1	45.1	45.1	47.0	47.0
90°	14.5	26.1	37.7	40.6	63.8	94.7	110.2	98.0	73.5	55.1	55.1
92.5°	58.0	156.6	255.4	280.0	393.7	545.2	620.9	544.1	390.7	275.6	264.7
95°	139.3	319.8	500.3	545.5	968.6	1532.8	1814.9	1619.5	1228.8	935.8	902.5
97.5°	240.8	400.0	559.4	599.2	1304.7	2245.4	2715.8	2592.3	2345.4	2160.2	2096.9
100°	319.1	463.6	608.0	644.2	1427.1	2471.0	2992.9	3002.0	3020.0	3033.5	2958.3
102.5°	385.9	520.7	655.4	689.1	1483.2	2541.9	3071.3	3228.6	3543.2	3779.2	3714.8
105°	499.0	613.2	727.3	755.9	1524.8	2549.9	3062.5	3415.2	4120.6	4649.6	4615.0
107.5°	615.1	721.5	827.9	854.5	1532.5	2436.5	2888.5	3380.4	4364.3	5102.3	5110.7
110°	693.5	789.5	885.6	909.6	1520.8	2335.8	2743.3	3293.4	4393.3	5218.4	5254.5



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	770.4	861.9	953.4	976.3	1521.3	2248.0	2611.4	3174.3	4300.0	5144.4	5199.9
115°	886.4	970.8	1055.3	1076.4	1535.4	2147.3	2453.2	2995.5	4080.0	4893.4	4970.3
117.5°	1001.1	1077.7	1154.5	1173.7	1563.9	2084.2	2344.4	2833.8	3812.6	4546.6	4631.9
120°	1067.7	1139.9	1212.2	1230.3	1587.1	2063.0	2300.9	2748.1	3642.4	4313.1	4396.0
122.5°	1133.0	1205.9	1278.7	1297.0	1620.5	2051.9	2267.6	2670.2	3475.5	4079.5	4161.3
125°	1233.2	1299.6	1366.0	1382.6	1665.5	2042.7	2231.2	2573.3	3257.4	3770.5	3845.7
127.5°	1314.4	1381.5	1448.5	1465.3	1710.4	2037.3	2200.8	2494.4	3081.8	3522.4	3585.9
130°	1357.9	1430.1	1502.3	1520.4	1743.3	2040.6	2189.2	2450.6	2973.6	3365.8	3424.4
132.5°	1402.9	1475.1	1547.4	1565.4	1769.9	2042.7	2179.0	2413.1	2881.2	3232.3	3284.9
135°	1469.6	1535.4	1601.2	1617.6	1799.0	2040.8	2161.6	2357.7	2749.7	3043.7	3089.0
137.5°	1537.8	1602.9	1668.0	1684.3	1842.4	2053.3	2158.8	2324.4	2655.8	2904.4	2941.4
140°	1594.3	1654.3	1714.3	1729.3	1869.0	2055.4	2148.6	2291.7	2577.9	2792.7	2827.3
142.5°	1637.9	1693.3	1748.8	1762.6	1891.3	2062.8	2148.6	2274.3	2525.8	2714.4	2744.2
145°	1704.6	1753.0	1801.4	1813.5	1920.3	2062.8	2134.1	2236.9	2442.6	2596.8	2619.4
147.5°	1771.3	1818.4	1865.5	1877.2	1962.9	2077.0	2134.1	2215.0	2376.8	2498.2	2516.8
150°	1814.9	1857.4	1900.0	1910.7	1985.1	2084.4	2134.1	2202.5	2339.1	2441.6	2456.7
152.5°	1859.9	1892.1	1924.4	1932.4	1999.7	2089.3	2134.1	2192.5	2309.1	2396.6	2408.1
155°	1926.6	1950.5	1974.3	1980.3	2031.5	2099.9	2134.1	2180.5	2273.4	2342.9	2350.5
157.5°	1976.0	1999.1	2022.4	2028.2	2063.5	2110.6	2134.1	2170.1	2242.3	2296.5	2301.8
160°	2009.3	2027.3	2045.5	2049.9	2078.0	2115.4	2134.1	2165.0	2226.9	2273.4	2276.4
162.5°	2042.7	2056.2	2069.7	2073.1	2093.5	2120.6	2134.1	2160.2	2212.5	2251.6	2254.5
165°	2078.9	2091.1	2103.4	2106.5	2115.7	2127.9	2134.1	2152.8	2190.1	2218.2	2221.2
167.5°	2112.3	2118.1	2123.9	2125.3	2133.1	2143.4	2148.6	2160.8	2185.3	2203.7	2205.0
170°	2134.1	2139.9	2145.7	2147.1	2147.5	2148.2	2148.6	2160.8	2185.3	2203.7	2203.7
172.5°	2145.7	2147.0	2148.3	2148.6	2148.6	2148.6	2148.6	2158.3	2177.6	2192.1	2191.0
175°	2161.6	2161.6	2161.6	2161.6	2157.3	2151.5	2148.6	2154.7	2167.0	2176.1	2176.1
177.5°	2161.6	2161.6	2161.6	2161.6	2158.3	2153.7	2151.5	2156.3	2165.9	2173.2	2171.9
180°	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2
2.5°	2037.1	2031.4	2037.1	2033.2	2035.1	2029.5	2012.6	2007.0	2012.6	2018.2	2018.2
5°	2061.4	2057.7	2061.4	2061.4	2059.6	2055.8	2037.1	2033.2	2037.1	2038.9	2035.1
7.5°	2069.0	2063.3	2069.0	2065.2	2065.2	2061.4	2042.7	2038.9	2040.8	2046.4	2040.8
10°	2069.0	2063.3	2069.0	2067.1	2065.2	2061.4	2042.7	2035.1	2035.1	2040.8	2035.1
12.5°	2059.6	2055.8	2059.6	2055.8	2055.8	2052.1	2033.2	2025.8	2027.6	2029.5	2022.0
15°	2044.5	2038.9	2044.5	2040.8	2042.7	2037.1	2016.3	2008.8	2008.8	2012.6	1999.4
17.5°	2022.0	2014.5	2022.0	2020.1	2018.2	2014.5	1995.7	1988.2	1986.2	1988.2	1978.8
20°	1995.7	1990.1	1995.7	1993.8	1993.8	1986.2	1967.5	1958.1	1958.1	1958.1	1948.7
22.5°	1954.3	1948.7	1954.3	1958.1	1958.1	1956.2	1939.3	1926.2	1922.4	1922.4	1911.2
25°	1907.3	1901.7	1907.3	1907.3	1905.5	1907.3	1901.7	1894.2	1888.5	1882.9	1871.6
27.5°	1862.2	1858.5	1862.2	1858.5	1862.2	1856.6	1854.7	1852.9	1845.3	1839.7	1824.7
30°	1817.2	1813.4	1817.2	1813.4	1809.6	1805.9	1796.5	1792.7	1800.3	1796.5	1772.1
32.5°	1760.8	1757.0	1760.8	1760.8	1757.0	1757.0	1742.0	1736.3	1738.3	1749.5	1727.0
35°	1702.5	1696.9	1702.5	1700.6	1702.5	1696.9	1687.5	1685.6	1678.1	1691.3	1674.4
37.5°	1634.9	1629.3	1634.9	1634.9	1634.9	1638.6	1631.1	1625.4	1614.2	1631.1	1618.0
40°	1565.4	1557.8	1565.4	1563.4	1565.4	1569.1	1565.4	1561.6	1550.3	1563.4	1552.2
42.5°	1486.5	1484.5	1486.5	1488.3	1488.3	1495.8	1501.5	1493.9	1490.2	1480.8	1488.3
45°	1401.8	1398.1	1401.8	1405.6	1407.5	1411.3	1428.2	1428.2	1422.6	1407.5	1418.7
47.5°	1311.6	1302.3	1311.6	1322.9	1322.9	1328.6	1345.5	1358.6	1349.3	1330.5	1336.1
50°	1215.8	1217.7	1215.8	1223.4	1223.4	1244.0	1257.2	1270.3	1279.7	1257.2	1230.8
52.5°	1121.8	1120.0	1121.8	1127.5	1135.0	1144.4	1166.9	1180.1	1195.1	1182.0	1140.7
55°	1027.9	1031.7	1027.9	1029.8	1033.6	1039.2	1073.0	1086.1	1114.4	1097.4	1054.2
57.5°	933.9	928.3	933.9	937.7	939.6	945.2	973.4	997.8	1014.8	1016.7	964.0
60°	824.9	817.4	824.9	841.9	845.6	849.4	875.7	898.2	913.3	918.9	864.4
62.5°	729.1	716.0	729.1	740.4	747.9	757.3	776.1	810.0	823.0	824.9	747.9
65°	627.6	622.0	627.6	650.2	652.0	663.3	684.1	708.4	736.6	732.9	622.0
67.5°	535.6	535.6	535.6	550.6	561.9	567.5	593.8	605.1	640.8	644.6	518.7
70°	451.0	449.2	451.0	462.2	469.8	483.0	507.3	520.5	548.7	558.2	421.0
72.5°	370.2	368.3	370.2	379.6	387.1	398.4	419.1	434.1	458.5	469.8	327.0
75°	298.8	295.1	298.8	306.3	304.4	319.4	336.3	351.4	374.0	381.4	242.4
77.5°	229.3	229.3	229.3	236.8	236.8	251.8	259.4	278.1	291.3	302.5	178.5
80°	171.0	169.1	171.0	172.9	172.9	180.4	193.5	206.7	218.0	218.0	122.2
82.5°	120.3	116.5	120.3	120.3	120.3	124.0	131.5	135.3	142.8	148.4	77.1
85°	75.2	75.2	75.2	77.1	75.2	78.9	80.8	84.5	84.5	80.8	47.0
87.5°	48.8	47.0	48.8	47.0	47.0	45.1	45.1	45.1	43.2	41.4	26.3
90°	55.1	55.1	55.1	55.1	55.1	73.5	98.0	110.2	94.7	63.8	40.6
92.5°	220.8	177.0	220.8	264.7	275.6	390.7	544.1	620.9	545.2	393.7	280.0
95°	769.7	636.9	769.7	902.5	935.8	1228.8	1619.5	1814.9	1532.8	968.6	545.5
97.5°	1844.2	1591.4	1844.2	2096.9	2160.2	2345.4	2592.3	2715.8	2245.4	1304.7	599.2
100°	2657.1	2356.0	2657.1	2958.3	3033.5	3020.0	3002.0	2992.9	2471.0	1427.1	644.2
102.5°	3456.8	3199.0	3456.8	3714.8	3779.2	3543.2	3228.6	3071.3	2541.9	1483.2	689.1
105°	4476.4	4337.8	4476.4	4615.0	4649.6	4120.6	3415.2	3062.5	2549.9	1524.8	755.9
107.5°	5144.2	5177.7	5144.2	5110.7	5102.3	4364.3	3380.4	2888.5	2436.5	1532.5	854.5
110°	5398.9	5543.3	5398.9	5254.5	5218.4	4393.3	3293.4	2743.3	2335.8	1520.8	909.6





TEST NUMBER: P935505

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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5421.6	5643.4	5421.6	5199.9	5144.4	4300.0	3174.3	2611.4	2248.0	1521.3	976.3
115°	5277.8	5585.4	5277.8	4970.3	4893.4	4080.0	2995.5	2453.2	2147.3	1535.4	1076.4
117.5°	4973.0	5314.1	4973.0	4631.9	4546.6	3812.6	2833.8	2344.4	2084.2	1563.9	1173.7
120°	4727.3	5058.7	4727.3	4396.0	4313.1	3642.4	2748.1	2300.9	2063.0	1587.1	1230.3
122.5°	4488.2	4815.1	4488.2	4161.3	4079.5	3475.5	2670.2	2267.6	2051.9	1620.5	1297.0
125°	4146.9	4448.0	4146.9	3845.7	3770.5	3257.4	2573.3	2231.2	2042.7	1665.5	1382.6
127.5°	3840.0	4094.0	3840.0	3585.9	3522.4	3081.8	2494.4	2200.8	2037.3	1710.4	1465.3
130°	3659.1	3893.8	3659.1	3424.4	3365.8	2973.6	2450.6	2189.2	2040.6	1743.3	1520.4
132.5°	3495.0	3705.2	3495.0	3284.9	3232.3	2881.2	2413.1	2179.0	2042.7	1769.9	1565.4
135°	3270.1	3451.3	3270.1	3089.0	3043.7	2749.7	2357.7	2161.6	2040.8	1799.0	1617.6
137.5°	3089.8	3238.1	3089.8	2941.4	2904.4	2655.8	2324.4	2158.8	2053.3	1842.4	1684.3
140°	2966.0	3104.6	2966.0	2827.3	2792.7	2577.9	2291.7	2148.6	2055.4	1869.0	1729.3
142.5°	2863.5	2982.7	2863.5	2744.2	2714.4	2525.8	2274.3	2148.6	2062.8	1891.3	1762.6
145°	2709.6	2799.9	2709.6	2619.4	2596.8	2442.6	2236.9	2134.1	2062.8	1920.3	1813.5
147.5°	2591.7	2666.5	2591.7	2516.8	2498.2	2376.8	2215.0	2134.1	2077.0	1962.9	1877.2
150°	2517.4	2578.0	2517.4	2456.7	2441.6	2339.1	2202.5	2134.1	2084.4	1985.1	1910.7
152.5°	2453.9	2499.7	2453.9	2408.1	2396.6	2309.1	2192.5	2134.1	2089.3	1999.7	1932.4
155°	2380.9	2411.1	2380.9	2350.5	2342.9	2273.4	2180.5	2134.1	2099.9	2031.5	1980.3
157.5°	2323.1	2344.4	2323.1	2301.8	2296.5	2242.3	2170.1	2134.1	2110.6	2063.5	2028.2
160°	2288.7	2300.9	2288.7	2276.4	2273.4	2226.9	2165.0	2134.1	2115.4	2078.0	2049.9
162.5°	2266.1	2277.7	2266.1	2254.5	2251.6	2212.5	2160.2	2134.1	2120.6	2093.5	2073.1
165°	2233.5	2245.8	2233.5	2221.2	2218.2	2190.1	2152.8	2134.1	2127.9	2115.7	2106.5
167.5°	2210.1	2215.3	2210.1	2205.0	2203.7	2185.3	2160.8	2148.6	2143.4	2133.1	2125.3
170°	2203.7	2203.7	2203.7	2203.7	2203.7	2185.3	2160.8	2148.6	2148.2	2147.5	2147.1
172.5°	2186.4	2181.9	2186.4	2191.0	2192.1	2177.6	2158.3	2148.6	2148.6	2148.6	2148.6
175°	2176.1	2176.1	2176.1	2176.1	2176.1	2167.0	2154.7	2148.6	2151.5	2157.3	2161.6
177.5°	2166.8	2161.6	2166.8	2171.9	2173.2	2165.9	2156.3	2151.5	2153.7	2158.3	2161.6
180°	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6



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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2
2.5°	2014.5	2003.1	2003.1	1984.4	1976.9	1971.2	1961.9	1933.7	1926.2	1918.6	1929.9
5°	2031.4	2010.7	1995.7	1961.9	1933.7	1922.4	1886.7	1819.1	1773.9	1740.1	1721.4
7.5°	2035.1	2008.8	1980.6	1928.1	1860.3	1830.3	1721.4	1597.3	1563.4	1533.4	1514.6
10°	2031.4	2001.3	1961.9	1882.9	1723.2	1670.6	1561.6	1480.8	1460.1	1454.5	1460.1
12.5°	2018.2	1990.1	1935.5	1804.0	1580.4	1544.6	1480.8	1433.8	1430.0	1439.5	1490.2
15°	1995.7	1969.3	1905.5	1698.8	1501.5	1475.2	1430.0	1413.1	1433.8	1499.5	1651.8
17.5°	1973.2	1943.1	1864.2	1595.5	1441.3	1422.6	1390.5	1424.4	1540.9	1629.3	1680.0
20°	1943.1	1907.3	1817.2	1520.3	1398.1	1381.2	1366.2	1518.4	1606.7	1638.6	1666.8
22.5°	1907.3	1869.8	1753.3	1467.6	1353.0	1339.8	1349.3	1571.0	1606.7	1629.3	1653.6
25°	1860.3	1828.4	1678.1	1426.3	1317.3	1302.3	1338.0	1565.4	1586.0	1591.6	1640.5
27.5°	1817.2	1775.8	1599.2	1388.7	1274.1	1268.5	1347.4	1540.9	1556.0	1561.6	1614.2
30°	1764.5	1702.5	1510.8	1349.3	1229.0	1227.1	1349.3	1510.8	1507.1	1522.1	1574.7
32.5°	1710.1	1593.5	1411.3	1300.4	1185.7	1183.8	1336.1	1465.7	1462.0	1482.6	1522.1
35°	1659.3	1509.0	1275.9	1244.0	1131.3	1133.1	1304.1	1413.1	1415.0	1433.8	1458.3
37.5°	1606.7	1435.7	1127.5	1182.0	1078.7	1078.7	1260.9	1364.3	1360.6	1366.2	1400.0
40°	1544.6	1321.0	995.9	1101.2	1029.8	1024.1	1208.3	1311.6	1298.5	1296.7	1343.6
42.5°	1478.9	1195.1	898.2	994.1	973.4	965.8	1144.4	1247.7	1223.4	1229.0	1289.1
45°	1407.5	1161.3	823.0	839.9	915.1	909.5	1074.8	1174.5	1157.6	1172.6	1234.7
47.5°	1336.1	1093.7	798.7	697.1	853.1	851.2	997.8	1103.1	1093.7	1108.8	1174.5
50°	1238.4	1018.5	796.8	597.6	783.6	791.1	905.8	1033.6	1033.6	1046.7	1116.2
52.5°	1112.5	926.4	723.5	541.2	702.8	725.3	824.9	973.4	977.2	990.3	1052.3
55°	997.8	830.6	670.9	498.0	607.0	655.9	746.0	911.4	918.9	932.0	988.5
57.5°	892.6	691.5	659.6	447.2	518.7	565.6	676.5	851.2	855.0	866.3	920.8
60°	779.9	499.9	605.1	392.7	441.6	477.3	612.6	779.9	793.0	800.5	847.5
62.5°	652.0	362.7	548.7	355.2	404.0	411.5	560.0	712.2	729.1	734.8	763.0
65°	464.2	304.4	466.1	323.3	364.5	366.4	503.6	642.7	657.7	667.1	687.8
67.5°	313.8	248.1	355.2	293.2	334.5	336.3	449.2	561.9	582.5	590.1	603.2
70°	218.0	165.4	263.1	261.2	300.7	304.4	390.9	488.6	507.3	513.0	520.5
72.5°	159.7	133.4	218.0	234.9	265.0	268.7	330.7	405.9	424.7	430.3	434.1
75°	122.2	140.9	176.6	204.8	225.5	227.3	270.6	330.7	343.9	347.6	349.5
77.5°	97.7	131.5	129.6	165.4	184.2	180.4	212.4	255.5	266.8	266.8	266.8
80°	73.3	103.4	97.7	118.4	135.3	131.5	152.2	182.3	186.1	189.8	187.9
82.5°	54.5	65.8	65.8	75.2	90.2	86.5	101.4	118.4	118.4	118.4	122.2
85°	33.8	37.5	30.1	39.5	50.7	48.8	56.4	63.9	65.8	65.8	62.0
87.5°	20.6	16.9	9.4	15.0	22.5	22.5	26.3	28.2	26.3	26.3	26.3
90°	37.7	26.1	14.5	26.1	37.7	40.6	63.8	94.7	110.2	98.0	73.5
92.5°	255.4	156.6	58.0	156.6	255.4	280.0	393.7	545.2	620.9	544.1	390.7
95°	500.3	319.8	139.3	319.8	500.3	545.5	968.6	1532.8	1814.9	1619.5	1228.8
97.5°	559.4	400.0	240.8	400.0	559.4	599.2	1304.7	2245.4	2715.8	2592.3	2345.4
100°	608.0	463.6	319.1	463.6	608.0	644.2	1427.1	2471.0	2992.9	3002.0	3020.0
102.5°	655.4	520.7	385.9	520.7	655.4	689.1	1483.2	2541.9	3071.3	3228.6	3543.2
105°	727.3	613.2	499.0	613.2	727.3	755.9	1524.8	2549.9	3062.5	3415.2	4120.6
107.5°	827.9	721.5	615.1	721.5	827.9	854.5	1532.5	2436.5	2888.5	3380.4	4364.3
110°	885.6	789.5	693.5	789.5	885.6	909.6	1520.8	2335.8	2743.3	3293.4	4393.3



TEST NUMBER: P935505

CATALOG NUMBER: SQ4-FA-125U-050D-B50-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	953.4	861.9	770.4	861.9	953.4	976.3	1521.3	2248.0	2611.4	3174.3	4300.0
115°	1055.3	970.8	886.4	970.8	1055.3	1076.4	1535.4	2147.3	2453.2	2995.5	4080.0
117.5°	1154.5	1077.7	1001.1	1077.7	1154.5	1173.7	1563.9	2084.2	2344.4	2833.8	3812.6
120°	1212.2	1139.9	1067.7	1139.9	1212.2	1230.3	1587.1	2063.0	2300.9	2748.1	3642.4
122.5°	1278.7	1205.9	1133.0	1205.9	1278.7	1297.0	1620.5	2051.9	2267.6	2670.2	3475.5
125°	1366.0	1299.6	1233.2	1299.6	1366.0	1382.6	1665.5	2042.7	2231.2	2573.3	3257.4
127.5°	1448.5	1381.5	1314.4	1381.5	1448.5	1465.3	1710.4	2037.3	2200.8	2494.4	3081.8
130°	1502.3	1430.1	1357.9	1430.1	1502.3	1520.4	1743.3	2040.6	2189.2	2450.6	2973.6
132.5°	1547.4	1475.1	1402.9	1475.1	1547.4	1565.4	1769.9	2042.7	2179.0	2413.1	2881.2
135°	1601.2	1535.4	1469.6	1535.4	1601.2	1617.6	1799.0	2040.8	2161.6	2357.7	2749.7
137.5°	1668.0	1602.9	1537.8	1602.9	1668.0	1684.3	1842.4	2053.3	2158.8	2324.4	2655.8
140°	1714.3	1654.3	1594.3	1654.3	1714.3	1729.3	1869.0	2055.4	2148.6	2291.7	2577.9
142.5°	1748.8	1693.3	1637.9	1693.3	1748.8	1762.6	1891.3	2062.8	2148.6	2274.3	2525.8
145°	1801.4	1753.0	1704.6	1753.0	1801.4	1813.5	1920.3	2062.8	2134.1	2236.9	2442.6
147.5°	1865.5	1818.4	1771.3	1818.4	1865.5	1877.2	1962.9	2077.0	2134.1	2215.0	2376.8
150°	1900.0	1857.4	1814.9	1857.4	1900.0	1910.7	1985.1	2084.4	2134.1	2202.5	2339.1
152.5°	1924.4	1892.1	1859.9	1892.1	1924.4	1932.4	1999.7	2089.3	2134.1	2192.5	2309.1
155°	1974.3	1950.5	1926.6	1950.5	1974.3	1980.3	2031.5	2099.9	2134.1	2180.5	2273.4
157.5°	2022.4	1999.1	1976.0	1999.1	2022.4	2028.2	2063.5	2110.6	2134.1	2170.1	2242.3
160°	2045.5	2027.3	2009.3	2027.3	2045.5	2049.9	2078.0	2115.4	2134.1	2165.0	2226.9
162.5°	2069.7	2056.2	2042.7	2056.2	2069.7	2073.1	2093.5	2120.6	2134.1	2160.2	2212.5
165°	2103.4	2091.1	2078.9	2091.1	2103.4	2106.5	2115.7	2127.9	2134.1	2152.8	2190.1
167.5°	2123.9	2118.1	2112.3	2118.1	2123.9	2125.3	2133.1	2143.4	2148.6	2160.8	2185.3
170°	2145.7	2139.9	2134.1	2139.9	2145.7	2147.1	2147.5	2148.2	2148.6	2160.8	2185.3
172.5°	2148.3	2147.0	2145.7	2147.0	2148.3	2148.6	2148.6	2148.6	2148.6	2158.3	2177.6
175°	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2157.3	2151.5	2148.6	2154.7	2167.0
177.5°	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2158.3	2153.7	2151.5	2156.3	2165.9
180°	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6



TEST NUMBER: P935505

CATALOG NUMBER: SQ4-FA-125U-050D-B50-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2
2.5°	1916.8	1911.2	1918.6	1898.0	1918.6	1911.2	1916.8	1929.9	1918.6	1926.2	1933.7
5°	1681.9	1672.4	1642.4	1618.0	1642.4	1672.4	1681.9	1721.4	1740.1	1773.9	1819.1
7.5°	1503.4	1495.8	1488.3	1473.3	1488.3	1495.8	1503.4	1514.6	1533.4	1563.4	1597.3
10°	1463.9	1465.7	1477.0	1475.2	1477.0	1465.7	1463.9	1460.1	1454.5	1460.1	1480.8
12.5°	1565.4	1582.3	1644.3	1640.5	1644.3	1582.3	1565.4	1490.2	1439.5	1430.0	1433.8
15°	1681.9	1687.5	1700.6	1702.5	1700.6	1687.5	1681.9	1651.8	1499.5	1433.8	1413.1
17.5°	1693.2	1695.0	1704.4	1704.4	1704.4	1695.0	1693.2	1680.0	1629.3	1540.9	1424.4
20°	1683.7	1687.5	1706.3	1710.1	1706.3	1687.5	1683.7	1666.8	1638.6	1606.7	1518.4
22.5°	1680.0	1687.5	1702.5	1700.6	1702.5	1687.5	1680.0	1653.6	1629.3	1606.7	1571.0
25°	1661.2	1661.2	1663.1	1664.9	1663.1	1661.2	1661.2	1640.5	1591.6	1586.0	1565.4
27.5°	1621.7	1625.4	1636.7	1634.9	1636.7	1625.4	1621.7	1614.2	1561.6	1556.0	1540.9
30°	1586.0	1582.3	1572.9	1565.4	1572.9	1582.3	1586.0	1574.7	1522.1	1507.1	1510.8
32.5°	1525.9	1516.4	1507.1	1501.5	1507.1	1516.4	1525.9	1522.1	1482.6	1462.0	1465.7
35°	1454.5	1456.4	1454.5	1448.8	1454.5	1456.4	1454.5	1458.3	1433.8	1415.0	1413.1
37.5°	1403.7	1407.5	1405.6	1398.1	1405.6	1407.5	1403.7	1400.0	1366.2	1360.6	1364.3
40°	1351.1	1353.0	1351.1	1345.5	1351.1	1353.0	1351.1	1343.6	1296.7	1298.5	1311.6
42.5°	1300.4	1298.5	1292.8	1289.1	1292.8	1298.5	1300.4	1289.1	1229.0	1223.4	1247.7
45°	1242.1	1244.0	1232.7	1227.1	1232.7	1244.0	1242.1	1234.7	1172.6	1157.6	1174.5
47.5°	1183.8	1183.8	1174.5	1168.8	1174.5	1183.8	1183.8	1174.5	1108.8	1093.7	1103.1
50°	1121.8	1120.0	1106.8	1104.9	1106.8	1120.0	1121.8	1116.2	1046.7	1033.6	1033.6
52.5°	1050.5	1050.5	1052.3	1056.1	1052.3	1050.5	1050.5	1052.3	990.3	977.2	973.4
55°	988.5	990.3	1003.5	1007.2	1003.5	990.3	988.5	988.5	932.0	918.9	911.4
57.5°	924.6	924.6	933.9	933.9	933.9	924.6	924.6	920.8	866.3	855.0	851.2
60°	851.2	855.0	862.5	860.7	862.5	855.0	851.2	847.5	800.5	793.0	779.9
62.5°	774.2	778.0	779.9	776.1	779.9	778.0	774.2	763.0	734.8	729.1	712.2
65°	693.4	697.1	699.0	695.3	699.0	697.1	693.4	687.8	667.1	657.7	642.7
67.5°	610.7	608.9	607.0	614.5	607.0	608.9	610.7	603.2	590.1	582.5	561.9
70°	526.1	526.1	524.3	528.1	524.3	526.1	526.1	520.5	513.0	507.3	488.6
72.5°	436.0	434.1	441.6	436.0	441.6	434.1	436.0	434.1	430.3	424.7	405.9
75°	347.6	351.4	347.6	353.2	347.6	351.4	347.6	349.5	347.6	343.9	330.7
77.5°	265.0	268.7	265.0	265.0	265.0	268.7	265.0	266.8	266.8	266.8	255.5
80°	187.9	186.1	186.1	184.2	186.1	186.1	187.9	187.9	189.8	186.1	182.3
82.5°	120.3	118.4	118.4	122.2	118.4	118.4	120.3	122.2	118.4	118.4	118.4
85°	65.8	67.6	63.9	63.9	63.9	67.6	65.8	62.0	65.8	65.8	63.9
87.5°	24.5	22.5	22.5	22.5	22.5	22.5	24.5	26.3	26.3	26.3	28.2
90°	55.1	55.1	55.1	55.1	55.1	55.1	55.1	73.5	98.0	110.2	94.7
92.5°	275.6	264.7	220.8	177.0	220.8	264.7	275.6	390.7	544.1	620.9	545.2
95°	935.8	902.5	769.7	636.9	769.7	902.5	935.8	1228.8	1619.5	1814.9	1532.8
97.5°	2160.2	2096.9	1844.2	1591.4	1844.2	2096.9	2160.2	2345.4	2592.3	2715.8	2245.4
100°	3033.5	2958.3	2657.1	2356.0	2657.1	2958.3	3033.5	3020.0	3002.0	2992.9	2471.0
102.5°	3779.2	3714.8	3456.8	3199.0	3456.8	3714.8	3779.2	3543.2	3228.6	3071.3	2541.9
105°	4649.6	4615.0	4476.4	4337.8	4476.4	4615.0	4649.6	4120.6	3415.2	3062.5	2549.9
107.5°	5102.3	5110.7	5144.2	5177.7	5144.2	5110.7	5102.3	4364.3	3380.4	2888.5	2436.5
110°	5218.4	5254.5	5398.9	5543.3	5398.9	5254.5	5218.4	4393.3	3293.4	2743.3	2335.8



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5144.4	5199.9	5421.6	5643.4	5421.6	5199.9	5144.4	4300.0	3174.3	2611.4	2248.0
115°	4893.4	4970.3	5277.8	5585.4	5277.8	4970.3	4893.4	4080.0	2995.5	2453.2	2147.3
117.5°	4546.6	4631.9	4973.0	5314.1	4973.0	4631.9	4546.6	3812.6	2833.8	2344.4	2084.2
120°	4313.1	4396.0	4727.3	5058.7	4727.3	4396.0	4313.1	3642.4	2748.1	2300.9	2063.0
122.5°	4079.5	4161.3	4488.2	4815.1	4488.2	4161.3	4079.5	3475.5	2670.2	2267.6	2051.9
125°	3770.5	3845.7	4146.9	4448.0	4146.9	3845.7	3770.5	3257.4	2573.3	2231.2	2042.7
127.5°	3522.4	3585.9	3840.0	4094.0	3840.0	3585.9	3522.4	3081.8	2494.4	2200.8	2037.3
130°	3365.8	3424.4	3659.1	3893.8	3659.1	3424.4	3365.8	2973.6	2450.6	2189.2	2040.6
132.5°	3232.3	3284.9	3495.0	3705.2	3495.0	3284.9	3232.3	2881.2	2413.1	2179.0	2042.7
135°	3043.7	3089.0	3270.1	3451.3	3270.1	3089.0	3043.7	2749.7	2357.7	2161.6	2040.8
137.5°	2904.4	2941.4	3089.8	3238.1	3089.8	2941.4	2904.4	2655.8	2324.4	2158.8	2053.3
140°	2792.7	2827.3	2966.0	3104.6	2966.0	2827.3	2792.7	2577.9	2291.7	2148.6	2055.4
142.5°	2714.4	2744.2	2863.5	2982.7	2863.5	2744.2	2714.4	2525.8	2274.3	2148.6	2062.8
145°	2596.8	2619.4	2709.6	2799.9	2709.6	2619.4	2596.8	2442.6	2236.9	2134.1	2062.8
147.5°	2498.2	2516.8	2591.7	2666.5	2591.7	2516.8	2498.2	2376.8	2215.0	2134.1	2077.0
150°	2441.6	2456.7	2517.4	2578.0	2517.4	2456.7	2441.6	2339.1	2202.5	2134.1	2084.4
152.5°	2396.6	2408.1	2453.9	2499.7	2453.9	2408.1	2396.6	2309.1	2192.5	2134.1	2089.3
155°	2342.9	2350.5	2380.9	2411.1	2380.9	2350.5	2342.9	2273.4	2180.5	2134.1	2099.9
157.5°	2296.5	2301.8	2323.1	2344.4	2323.1	2301.8	2296.5	2242.3	2170.1	2134.1	2110.6
160°	2273.4	2276.4	2288.7	2300.9	2288.7	2276.4	2273.4	2226.9	2165.0	2134.1	2115.4
162.5°	2251.6	2254.5	2266.1	2277.7	2266.1	2254.5	2251.6	2212.5	2160.2	2134.1	2120.6
165°	2218.2	2221.2	2233.5	2245.8	2233.5	2221.2	2218.2	2190.1	2152.8	2134.1	2127.9
167.5°	2203.7	2205.0	2210.1	2215.3	2210.1	2205.0	2203.7	2185.3	2160.8	2148.6	2143.4
170°	2203.7	2203.7	2203.7	2203.7	2203.7	2203.7	2203.7	2185.3	2160.8	2148.6	2148.2
172.5°	2192.1	2191.0	2186.4	2181.9	2186.4	2191.0	2192.1	2177.6	2158.3	2148.6	2148.6
175°	2176.1	2176.1	2176.1	2176.1	2176.1	2176.1	2176.1	2167.0	2154.7	2148.6	2151.5
177.5°	2173.2	2171.9	2166.8	2161.6	2166.8	2171.9	2173.2	2165.9	2156.3	2151.5	2153.7
180°	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1986.2	1986.2	1986.2	1986.2	1986.2
2.5°	1961.9	1971.2	1976.9	1984.4	2003.1
5°	1886.7	1922.4	1933.7	1961.9	1995.7
7.5°	1721.4	1830.3	1860.3	1928.1	1980.6
10°	1561.6	1670.6	1723.2	1882.9	1961.9
12.5°	1480.8	1544.6	1580.4	1804.0	1935.5
15°	1430.0	1475.2	1501.5	1698.8	1905.5
17.5°	1390.5	1422.6	1441.3	1595.5	1864.2
20°	1366.2	1381.2	1398.1	1520.3	1817.2
22.5°	1349.3	1339.8	1353.0	1467.6	1753.3
25°	1338.0	1302.3	1317.3	1426.3	1678.1
27.5°	1347.4	1268.5	1274.1	1388.7	1599.2
30°	1349.3	1227.1	1229.0	1349.3	1510.8
32.5°	1336.1	1183.8	1185.7	1300.4	1411.3
35°	1304.1	1133.1	1131.3	1244.0	1275.9
37.5°	1260.9	1078.7	1078.7	1182.0	1127.5
40°	1208.3	1024.1	1029.8	1101.2	995.9
42.5°	1144.4	965.8	973.4	994.1	898.2
45°	1074.8	909.5	915.1	839.9	823.0
47.5°	997.8	851.2	853.1	697.1	798.7
50°	905.8	791.1	783.6	597.6	796.8
52.5°	824.9	725.3	702.8	541.2	723.5
55°	746.0	655.9	607.0	498.0	670.9
57.5°	676.5	565.6	518.7	447.2	659.6
60°	612.6	477.3	441.6	392.7	605.1
62.5°	560.0	411.5	404.0	355.2	548.7
65°	503.6	366.4	364.5	323.3	466.1
67.5°	449.2	336.3	334.5	293.2	355.2
70°	390.9	304.4	300.7	261.2	263.1
72.5°	330.7	268.7	265.0	234.9	218.0
75°	270.6	227.3	225.5	204.8	176.6
77.5°	212.4	180.4	184.2	165.4	129.6
80°	152.2	131.5	135.3	118.4	97.7
82.5°	101.4	86.5	90.2	75.2	65.8
85°	56.4	48.8	50.7	39.5	30.1
87.5°	26.3	22.5	22.5	15.0	9.4
90°	63.8	40.6	37.7	26.1	14.5
92.5°	393.7	280.0	255.4	156.6	58.0
95°	968.6	545.5	500.3	319.8	139.3
97.5°	1304.7	599.2	559.4	400.0	240.8
100°	1427.1	644.2	608.0	463.6	319.1
102.5°	1483.2	689.1	655.4	520.7	385.9
105°	1524.8	755.9	727.3	613.2	499.0
107.5°	1532.5	854.5	827.9	721.5	615.1
110°	1520.8	909.6	885.6	789.5	693.5



TEST NUMBER: P935505

CATALOG NUMBER: SQ4-FA-125U-050D-B50-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1521.3	976.3	953.4	861.9	770.4
115°	1535.4	1076.4	1055.3	970.8	886.4
117.5°	1563.9	1173.7	1154.5	1077.7	1001.1
120°	1587.1	1230.3	1212.2	1139.9	1067.7
122.5°	1620.5	1297.0	1278.7	1205.9	1133.0
125°	1665.5	1382.6	1366.0	1299.6	1233.2
127.5°	1710.4	1465.3	1448.5	1381.5	1314.4
130°	1743.3	1520.4	1502.3	1430.1	1357.9
132.5°	1769.9	1565.4	1547.4	1475.1	1402.9
135°	1799.0	1617.6	1601.2	1535.4	1469.6
137.5°	1842.4	1684.3	1668.0	1602.9	1537.8
140°	1869.0	1729.3	1714.3	1654.3	1594.3
142.5°	1891.3	1762.6	1748.8	1693.3	1637.9
145°	1920.3	1813.5	1801.4	1753.0	1704.6
147.5°	1962.9	1877.2	1865.5	1818.4	1771.3
150°	1985.1	1910.7	1900.0	1857.4	1814.9
152.5°	1999.7	1932.4	1924.4	1892.1	1859.9
155°	2031.5	1980.3	1974.3	1950.5	1926.6
157.5°	2063.5	2028.2	2022.4	1999.1	1976.0
160°	2078.0	2049.9	2045.5	2027.3	2009.3
162.5°	2093.5	2073.1	2069.7	2056.2	2042.7
165°	2115.7	2106.5	2103.4	2091.1	2078.9
167.5°	2133.1	2125.3	2123.9	2118.1	2112.3
170°	2147.5	2147.1	2145.7	2139.9	2134.1
172.5°	2148.6	2148.6	2148.3	2147.0	2145.7
175°	2157.3	2161.6	2161.6	2161.6	2161.6
177.5°	2158.3	2161.6	2161.6	2161.6	2161.6
180°	2161.6	2161.6	2161.6	2161.6	2161.6



TEST NUMBER: P935505  
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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	8.46	9.15	9.60	10.27	11.84	11.32	12.00	12.45	13.13	14.69
	3H	8.93	9.54	10.07	10.67	12.26	12.65	13.27	13.79	14.40	15.98
	4H	9.11	9.69	10.26	10.83	12.41	13.09	13.68	14.24	14.81	16.40
	6H	9.22	9.76	10.38	10.89	12.49	13.38	13.91	14.53	15.05	16.65
	8H	9.22	9.73	10.38	10.88	12.47	13.45	13.96	14.61	15.11	16.70
	12H	9.18	9.66	10.35	10.81	12.42	13.48	13.97	14.65	15.11	16.73
4H	2H	9.48	10.06	10.64	11.20	12.78	11.70	12.28	12.86	13.42	15.01
	3H	10.49	10.98	11.65	12.14	13.74	13.20	13.68	14.36	14.84	16.44
	4H	10.76	11.21	11.92	12.35	13.97	13.72	14.17	14.89	15.32	16.94
	6H	10.87	11.26	12.04	12.43	14.04	14.08	14.47	15.25	15.64	17.24
	8H	10.88	11.23	12.04	12.39	14.02	14.19	14.55	15.36	15.71	17.33
	12H	10.83	11.16	12.02	12.33	13.96	14.24	14.56	15.43	15.74	17.37
8H	4H	11.20	11.56	12.37	12.72	14.35	13.83	14.19	15.00	15.35	16.98
	6H	11.46	11.75	12.65	12.95	14.58	14.27	14.56	15.46	15.77	17.39
	8H	11.50	11.75	12.69	12.93	14.58	14.42	14.68	15.62	15.86	17.50
	12H	11.47	11.70	12.67	12.88	14.55	14.51	14.74	15.71	15.92	17.59
12H	4H	11.20	11.52	12.39	12.70	14.33	13.79	14.11	14.97	15.28	16.91
	6H	11.52	11.77	12.71	12.95	14.60	14.26	14.52	15.46	15.70	17.34
	8H	11.57	11.80	12.77	12.98	14.65	14.42	14.64	15.62	15.82	17.50