

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: P935305

Luminaire Tested: SQ4-FA-100U-100D-B50-1D-UNV-STD-W-12

Issue Date: 12/17/2024

**Test Information**

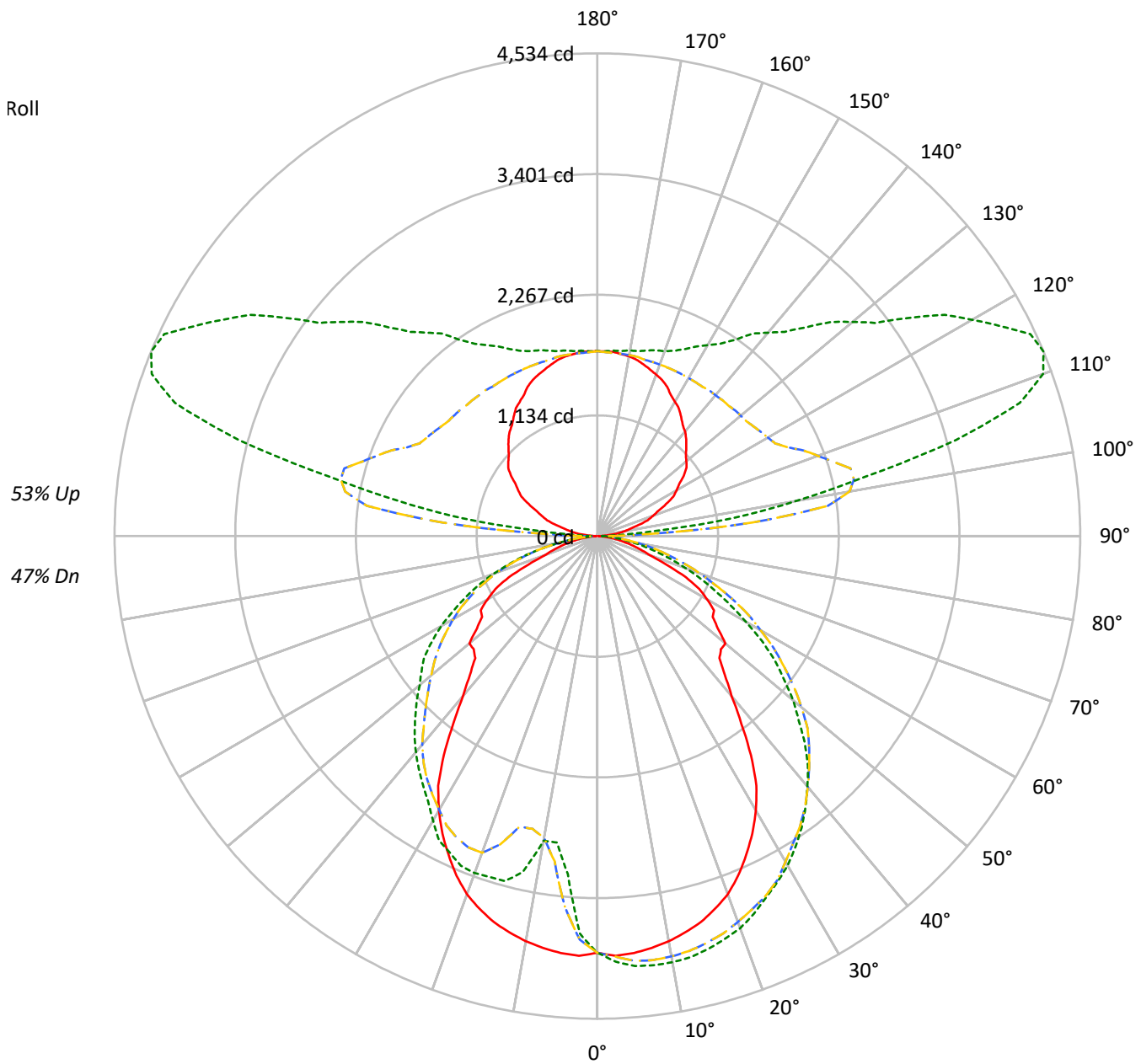
Test Method: LM-79-2019  
Report Number: P935305  
REPORT IS A COMBINATION OF REPORTS P933745 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-100D-B50-1D-UNV-STD-W-12  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21410.1 lumens  
Efficiency: N/A  
Efficacy: 123.0 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: General Diffuse  
  
Input Watts (W): 174  
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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CATALOG NUMBER: SQ4-FA-100U-100D-B50-1D-UNV-STD-W-12

### Luminous Intensity Polar Plot



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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	353.2	1.6
10°-20°	1002.9	4.7
20°-30°	1550.3	7.2
30°-40°	1850.7	8.6
40°-50°	1861.6	8.7
50°-60°	1619.8	7.6
60°-70°	1148.5	5.4
70°-80°	607.6	2.8
80°-90°	157.9	0.7
90°-100°	846.5	4.0
100°-110°	2225.5	10.4
110°-120°	2307.6	10.8
120°-130°	1851.0	8.6
130°-140°	1452.3	6.8
140°-150°	1114.7	5.2
150°-160°	802.8	3.7
160°-170°	491.2	2.3
170°-180°	165.9	0.8
0°-30°	2906.5	13.6
0°-40°	4757.2	22.2
0°-60°	8238.6	38.5
0°-90°	10152.7	47.4
90°-120°	5379.5	25.1
90°-150°	9797.5	45.8
90°-180°	11257.0	52.6
0°-180°	21410.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3913	3913	3913	3913	3913	
5°	3932	4054	3932	3188	3932	373
15°	3754	4017	3754	3354	3754	1056
25°	3306	3747	3306	3280	3306	1518
35°	2514	3343	2514	2854	2514	1555
45°	1622	2754	1622	2418	1622	1299
55°	1322	2032	1322	1984	1322	1214
65°	918	1225	918	1370	918	877
75°	348	581	348	696	348	366
85°	59	148	59	126	59	80
90°	12	44	12	44	12	12
95°	112	512	112	512	112	124
105°	401	3485	401	3485	401	425
115°	712	4487	712	4487	712	703
125°	991	3573	991	3573	991	880
135°	1181	2773	1181	2773	1181	913
145°	1369	2249	1369	2249	1369	858
155°	1548	1937	1548	1937	1548	711
165°	1670	1804	1670	1804	1670	471
175°	1737	1748	1737	1748	1737	165
180°	1737	1737	1737	1737	1737	



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 CATALOG NUMBER: SQ4-FA-100U-100D-B50-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1
2.5°	3946.4	3946.4	3968.7	3976.0	3976.0	3964.9	3953.8	3964.9	3998.3	4009.4	4005.6
5°	3931.7	3961.3	4002.0	4009.4	4016.8	4013.1	4005.6	4013.1	4050.1	4057.5	4061.2
7.5°	3902.0	3957.5	4009.4	4020.5	4031.6	4020.5	4016.8	4024.2	4061.2	4068.6	4068.6
10°	3865.0	3942.8	4002.0	4009.4	4020.5	4009.4	4009.4	4024.2	4061.2	4068.6	4072.3
12.5°	3813.1	3920.6	3976.0	3983.5	3998.3	3994.5	3990.9	4005.6	4042.7	4050.1	4050.1
15°	3753.9	3879.8	3931.7	3939.1	3964.9	3957.5	3957.5	3972.4	4013.1	4024.2	4020.5
17.5°	3672.5	3828.0	3887.2	3898.3	3916.8	3913.1	3916.8	3931.7	3968.7	3976.0	3979.8
20°	3579.9	3757.7	3828.0	3839.1	3857.6	3857.6	3857.6	3876.1	3913.1	3927.9	3927.9
22.5°	3454.0	3683.6	3757.7	3765.0	3787.3	3787.3	3794.7	3820.5	3853.9	3857.6	3857.6
25°	3306.0	3602.2	3665.1	3687.3	3709.5	3720.6	3731.7	3746.6	3757.7	3753.9	3757.7
27.5°	3150.5	3498.5	3579.9	3594.8	3624.4	3635.5	3650.3	3654.0	3657.6	3668.8	3661.4
30°	2976.5	3354.1	3476.3	3491.1	3539.2	3546.6	3531.8	3539.2	3557.7	3565.2	3572.6
32.5°	2780.2	3139.4	3368.9	3402.2	3446.6	3424.4	3420.8	3431.9	3461.5	3461.5	3468.9
35°	2513.8	2972.8	3269.0	3298.6	3331.9	3306.0	3320.7	3324.5	3343.0	3354.1	3350.4
37.5°	2221.2	2828.4	3165.3	3187.6	3213.4	3180.1	3202.3	3213.4	3228.3	3220.8	3220.8
40°	1962.1	2602.6	3043.2	3057.9	3080.1	3054.3	3076.4	3083.9	3091.3	3083.9	3080.1
42.5°	1769.6	2354.5	2913.5	2932.1	2917.3	2935.7	2943.1	2958.0	2946.9	2932.1	2932.1
45°	1621.5	2287.9	2772.9	2795.1	2772.9	2802.5	2813.6	2813.6	2780.2	2772.9	2769.2
47.5°	1573.4	2154.6	2632.2	2632.2	2621.1	2658.1	2676.7	2650.7	2617.3	2606.3	2606.3
50°	1569.7	2006.5	2439.7	2424.9	2476.7	2521.1	2502.7	2476.7	2450.8	2410.1	2410.1
52.5°	1425.3	1825.1	2191.6	2247.2	2328.6	2354.5	2324.9	2299.0	2254.6	2236.1	2221.2
55°	1321.6	1636.4	1965.8	2076.8	2162.0	2195.4	2139.8	2113.9	2047.2	2036.1	2028.7
57.5°	1299.5	1362.3	1758.5	1899.2	2002.9	1999.1	1965.8	1917.7	1862.1	1851.1	1847.4
60°	1192.1	984.7	1536.3	1703.0	1810.4	1799.3	1769.6	1725.2	1673.4	1666.0	1658.5
62.5°	1081.0	714.5	1284.6	1473.5	1625.3	1621.5	1595.6	1529.0	1492.0	1473.5	1458.6
65°	918.1	599.7	914.4	1225.4	1443.8	1451.2	1395.7	1347.6	1306.9	1284.6	1280.9
67.5°	699.7	488.7	618.2	1021.8	1269.9	1262.4	1192.1	1169.8	1118.0	1106.9	1084.7
70°	518.3	325.8	429.5	829.3	1099.5	1081.0	1025.4	999.6	951.5	925.5	910.7
72.5°	429.5	262.8	314.7	644.2	925.5	903.3	855.2	825.6	784.8	762.6	747.9
75°	348.0	277.7	240.6	477.6	751.5	736.7	692.3	662.7	629.3	599.7	603.5
77.5°	255.4	259.2	192.5	351.7	596.1	573.8	547.9	510.9	496.0	466.4	466.4
80°	192.5	203.6	144.4	240.6	429.5	429.5	407.2	381.4	355.4	340.6	340.6
82.5°	129.5	129.5	107.3	151.8	292.4	281.3	266.6	259.2	244.3	237.0	237.0
85°	59.2	74.1	66.6	92.6	159.2	166.6	166.6	159.2	155.5	148.0	151.8
87.5°	18.5	33.3	40.7	51.8	81.4	85.2	88.8	88.8	88.8	92.6	92.6
90°	11.7	21.0	30.3	32.6	51.3	76.1	88.5	78.7	59.0	44.3	44.3
92.5°	46.6	125.8	205.1	224.9	316.3	438.0	498.8	437.2	313.9	221.5	212.7
95°	111.9	256.9	402.0	438.2	778.1	1231.4	1458.0	1301.1	987.1	751.7	725.0
97.5°	193.4	321.4	449.3	481.4	1048.1	1803.8	2181.7	2082.5	1884.2	1735.4	1684.7
100°	256.4	372.4	488.4	517.4	1146.4	1985.0	2404.4	2411.7	2426.2	2437.0	2376.6
102.5°	310.0	418.2	526.5	553.6	1191.5	2042.1	2467.3	2593.7	2846.5	3036.1	2984.2
105°	401.0	492.6	584.3	607.2	1224.9	2048.5	2460.3	2743.7	3310.4	3735.3	3707.5
107.5°	494.2	579.6	665.1	686.5	1231.1	1957.3	2320.4	2715.7	3506.1	4099.0	4105.7
110°	557.1	634.3	711.4	730.8	1221.8	1876.5	2203.9	2645.7	3529.4	4192.2	4221.2



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	618.9	692.5	766.0	784.4	1222.2	1806.0	2097.9	2550.1	3454.5	4132.8	4177.3
115°	712.1	780.0	847.8	864.8	1233.4	1725.0	1970.8	2406.5	3277.7	3931.1	3992.8
117.5°	804.2	865.8	927.5	942.9	1256.4	1674.4	1883.4	2276.5	3062.9	3652.6	3721.1
120°	857.8	915.8	973.9	988.4	1275.1	1657.4	1848.5	2207.7	2926.1	3465.0	3531.5
122.5°	910.3	968.8	1027.3	1042.0	1301.9	1648.4	1821.7	2145.1	2792.1	3277.3	3343.0
125°	990.7	1044.0	1097.4	1110.7	1338.0	1641.0	1792.5	2067.3	2616.9	3029.1	3089.5
127.5°	1055.9	1109.8	1163.7	1177.1	1374.1	1636.7	1768.1	2004.0	2475.8	2829.7	2880.7
130°	1090.9	1148.9	1206.9	1221.4	1400.5	1639.4	1758.7	1968.8	2388.9	2703.9	2751.1
132.5°	1127.1	1185.1	1243.1	1257.5	1421.8	1640.9	1750.5	1938.5	2314.6	2596.7	2638.9
135°	1180.7	1233.4	1286.3	1299.5	1445.2	1639.5	1736.6	1894.1	2208.9	2445.1	2481.5
137.5°	1235.4	1287.7	1340.0	1353.1	1480.1	1649.5	1734.3	1867.3	2133.6	2333.3	2363.1
140°	1280.9	1329.1	1377.2	1389.2	1501.5	1651.2	1726.0	1841.0	2071.1	2243.6	2271.4
142.5°	1315.8	1360.4	1404.9	1416.0	1519.3	1657.1	1726.0	1827.1	2029.1	2180.6	2204.5
145°	1369.4	1408.3	1447.1	1456.9	1542.7	1657.2	1714.5	1797.0	1962.2	2086.2	2104.3
147.5°	1423.0	1460.9	1498.7	1508.1	1576.9	1668.6	1714.5	1779.5	1909.5	2007.0	2022.0
150°	1458.0	1492.2	1526.3	1534.9	1594.8	1674.6	1714.5	1769.4	1879.1	1961.5	1973.6
152.5°	1494.1	1520.0	1546.0	1552.4	1606.4	1678.4	1714.5	1761.3	1855.0	1925.3	1934.5
155°	1547.7	1566.9	1586.1	1590.9	1632.1	1687.0	1714.5	1751.7	1826.3	1882.2	1888.3
157.5°	1587.3	1606.0	1624.7	1629.4	1657.8	1695.6	1714.5	1743.4	1801.4	1844.9	1849.2
160°	1614.1	1628.7	1643.2	1646.8	1669.3	1699.4	1714.5	1739.3	1789.0	1826.3	1828.7
162.5°	1640.9	1651.8	1662.7	1665.4	1681.8	1703.5	1714.5	1735.4	1777.3	1808.8	1811.1
165°	1670.1	1679.9	1689.8	1692.2	1699.6	1709.5	1714.5	1729.5	1759.5	1782.0	1784.4
167.5°	1696.9	1701.6	1706.2	1707.4	1713.6	1721.9	1726.0	1735.9	1755.6	1770.4	1771.4
170°	1714.5	1719.1	1723.8	1724.9	1725.3	1725.8	1726.0	1735.9	1755.6	1770.4	1770.4
172.5°	1723.7	1724.7	1725.8	1726.0	1726.0	1726.0	1726.0	1733.8	1749.4	1761.1	1760.1
175°	1736.6	1736.6	1736.6	1736.6	1733.0	1728.4	1726.0	1731.0	1740.8	1748.2	1748.2
177.5°	1736.6	1736.6	1736.6	1736.6	1733.9	1730.2	1728.4	1732.3	1740.0	1745.8	1744.8
180°	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1
2.5°	4013.1	4002.0	4013.1	4005.6	4009.4	3998.3	3964.9	3953.8	3964.9	3976.0	3976.0
5°	4061.2	4053.8	4061.2	4061.2	4057.5	4050.1	4013.1	4005.6	4013.1	4016.8	4009.4
7.5°	4076.0	4065.0	4076.0	4068.6	4068.6	4061.2	4024.2	4016.8	4020.5	4031.6	4020.5
10°	4076.0	4065.0	4076.0	4072.3	4068.6	4061.2	4024.2	4009.4	4009.4	4020.5	4009.4
12.5°	4057.5	4050.1	4057.5	4050.1	4050.1	4042.7	4005.6	3990.9	3994.5	3998.3	3983.5
15°	4027.9	4016.8	4027.9	4020.5	4024.2	4013.1	3972.4	3957.5	3957.5	3964.9	3939.1
17.5°	3983.5	3968.7	3983.5	3979.8	3976.0	3968.7	3931.7	3916.8	3913.1	3916.8	3898.3
20°	3931.7	3920.6	3931.7	3927.9	3927.9	3913.1	3876.1	3857.6	3857.6	3857.6	3839.1
22.5°	3850.2	3839.1	3850.2	3857.6	3857.6	3853.9	3820.5	3794.7	3787.3	3787.3	3765.0
25°	3757.7	3746.6	3757.7	3757.7	3753.9	3757.7	3746.6	3731.7	3720.6	3709.5	3687.3
27.5°	3668.8	3661.4	3668.8	3661.4	3668.8	3657.6	3654.0	3650.3	3635.5	3624.4	3594.8
30°	3579.9	3572.6	3579.9	3572.6	3565.2	3557.7	3539.2	3531.8	3546.6	3539.2	3491.1
32.5°	3468.9	3461.5	3468.9	3468.9	3461.5	3461.5	3431.9	3420.8	3424.4	3446.6	3402.2
35°	3354.1	3343.0	3354.1	3350.4	3354.1	3343.0	3324.5	3320.7	3306.0	3331.9	3298.6
37.5°	3220.8	3209.7	3220.8	3220.8	3220.8	3228.3	3213.4	3202.3	3180.1	3213.4	3187.6
40°	3083.9	3069.0	3083.9	3080.1	3083.9	3091.3	3083.9	3076.4	3054.3	3080.1	3057.9
42.5°	2928.4	2924.6	2928.4	2932.1	2932.1	2946.9	2958.0	2943.1	2935.7	2917.3	2932.1
45°	2761.7	2754.4	2761.7	2769.2	2772.9	2780.2	2813.6	2813.6	2802.5	2772.9	2795.1
47.5°	2584.1	2565.6	2584.1	2606.3	2606.3	2617.3	2650.7	2676.7	2658.1	2621.1	2632.2
50°	2395.2	2399.0	2395.2	2410.1	2410.1	2450.8	2476.7	2502.7	2521.1	2476.7	2424.9
52.5°	2210.1	2206.5	2210.1	2221.2	2236.1	2254.6	2299.0	2324.9	2354.5	2328.6	2247.2
55°	2025.0	2032.5	2025.0	2028.7	2036.1	2047.2	2113.9	2139.8	2195.4	2162.0	2076.8
57.5°	1840.0	1828.9	1840.0	1847.4	1851.1	1862.1	1917.7	1965.8	1999.1	2002.9	1899.2
60°	1625.3	1610.4	1625.3	1658.5	1666.0	1673.4	1725.2	1769.6	1799.3	1810.4	1703.0
62.5°	1436.4	1410.5	1436.4	1458.6	1473.5	1492.0	1529.0	1595.6	1621.5	1625.3	1473.5
65°	1236.5	1225.4	1236.5	1280.9	1284.6	1306.9	1347.6	1395.7	1451.2	1443.8	1225.4
67.5°	1055.1	1055.1	1055.1	1084.7	1106.9	1118.0	1169.8	1192.1	1262.4	1269.9	1021.8
70°	888.5	884.8	888.5	910.7	925.5	951.5	999.6	1025.4	1081.0	1099.5	829.3
72.5°	729.4	725.6	729.4	747.9	762.6	784.8	825.6	855.2	903.3	925.5	644.2
75°	588.6	581.2	588.6	603.5	599.7	629.3	662.7	692.3	736.7	751.5	477.6
77.5°	451.7	451.7	451.7	466.4	466.4	496.0	510.9	547.9	573.8	596.1	351.7
80°	336.9	333.2	336.9	340.6	340.6	355.4	381.4	407.2	429.5	429.5	240.6
82.5°	237.0	229.5	237.0	237.0	237.0	244.3	259.2	266.6	281.3	292.4	151.8
85°	148.0	148.0	148.0	151.8	148.0	155.5	159.2	166.6	166.6	159.2	92.6
87.5°	96.3	92.6	96.3	92.6	92.6	88.8	88.8	88.8	85.2	81.4	51.8
90°	44.3	44.3	44.3	44.3	44.3	59.0	78.7	88.5	76.1	51.3	32.6
92.5°	177.4	142.2	177.4	212.7	221.5	313.9	437.2	498.8	438.0	316.3	224.9
95°	618.3	511.6	618.3	725.0	751.7	987.1	1301.1	1458.0	1231.4	778.1	438.2
97.5°	1481.6	1278.6	1481.6	1684.7	1735.4	1884.2	2082.5	2181.7	1803.8	1048.1	481.4
100°	2134.7	1892.8	2134.7	2376.6	2437.0	2426.2	2411.7	2404.4	1985.0	1146.4	517.4
102.5°	2777.1	2569.9	2777.1	2984.2	3036.1	2846.5	2593.7	2467.3	2042.1	1191.5	553.6
105°	3596.1	3484.8	3596.1	3707.5	3735.3	3310.4	2743.7	2460.3	2048.5	1224.9	607.2
107.5°	4132.7	4159.6	4132.7	4105.7	4099.0	3506.1	2715.7	2320.4	1957.3	1231.1	686.5
110°	4337.2	4453.3	4337.2	4221.2	4192.2	3529.4	2645.7	2203.9	1876.5	1221.8	730.8





TEST NUMBER: P935305

CATALOG NUMBER: SQ4-FA-100U-100D-B50-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4355.5	4533.7	4355.5	4177.3	4132.8	3454.5	2550.1	2097.9	1806.0	1222.2	784.4
115°	4240.0	4487.0	4240.0	3992.8	3931.1	3277.7	2406.5	1970.8	1725.0	1233.4	864.8
117.5°	3995.1	4269.1	3995.1	3721.1	3652.6	3062.9	2276.5	1883.4	1674.4	1256.4	942.9
120°	3797.7	4064.0	3797.7	3531.5	3465.0	2926.1	2207.7	1848.5	1657.4	1275.1	988.4
122.5°	3605.5	3868.2	3605.5	3343.0	3277.3	2792.1	2145.1	1821.7	1648.4	1301.9	1042.0
125°	3331.4	3573.3	3331.4	3089.5	3029.1	2616.9	2067.3	1792.5	1641.0	1338.0	1110.7
127.5°	3084.9	3289.0	3084.9	2880.7	2829.7	2475.8	2004.0	1768.1	1636.7	1374.1	1177.1
130°	2939.6	3128.2	2939.6	2751.1	2703.9	2388.9	1968.8	1758.7	1639.4	1400.5	1221.4
132.5°	2807.8	2976.7	2807.8	2638.9	2596.7	2314.6	1938.5	1750.5	1640.9	1421.8	1257.5
135°	2627.1	2772.7	2627.1	2481.5	2445.1	2208.9	1894.1	1736.6	1639.5	1445.2	1299.5
137.5°	2482.2	2601.4	2482.2	2363.1	2333.3	2133.6	1867.3	1734.3	1649.5	1480.1	1353.1
140°	2382.8	2494.2	2382.8	2271.4	2243.6	2071.1	1841.0	1726.0	1651.2	1501.5	1389.2
142.5°	2300.3	2396.2	2300.3	2204.5	2180.6	2029.1	1827.1	1726.0	1657.1	1519.3	1416.0
145°	2176.9	2249.4	2176.9	2104.3	2086.2	1962.2	1797.0	1714.5	1657.2	1542.7	1456.9
147.5°	2082.1	2142.1	2082.1	2022.0	2007.0	1909.5	1779.5	1714.5	1668.6	1576.9	1508.1
150°	2022.4	2071.1	2022.4	1973.6	1961.5	1879.1	1769.4	1714.5	1674.6	1594.8	1534.9
152.5°	1971.3	2008.1	1971.3	1934.5	1925.3	1855.0	1761.3	1714.5	1678.4	1606.4	1552.4
155°	1912.6	1937.0	1912.6	1888.3	1882.2	1826.3	1751.7	1714.5	1687.0	1632.1	1590.9
157.5°	1866.3	1883.4	1866.3	1849.2	1844.9	1801.4	1743.4	1714.5	1695.6	1657.8	1629.4
160°	1838.6	1848.5	1838.6	1828.7	1826.3	1789.0	1739.3	1714.5	1699.4	1669.3	1646.8
162.5°	1820.5	1829.8	1820.5	1811.1	1808.8	1777.3	1735.4	1714.5	1703.5	1681.8	1665.4
165°	1794.3	1804.1	1794.3	1784.4	1782.0	1759.5	1729.5	1714.5	1709.5	1699.6	1692.2
167.5°	1775.5	1779.6	1775.5	1771.4	1770.4	1755.6	1735.9	1726.0	1721.9	1713.6	1707.4
170°	1770.4	1770.4	1770.4	1770.4	1770.4	1755.6	1735.9	1726.0	1725.8	1725.3	1724.9
172.5°	1756.5	1752.8	1756.5	1760.1	1761.1	1749.4	1733.8	1726.0	1726.0	1726.0	1726.0
175°	1748.2	1748.2	1748.2	1748.2	1748.2	1740.8	1731.0	1726.0	1728.4	1733.0	1736.6
177.5°	1740.7	1736.6	1740.7	1744.8	1745.8	1740.0	1732.3	1728.4	1730.2	1733.9	1736.6
180°	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6



TEST NUMBER: P935305

CATALOG NUMBER: SQ4-FA-100U-100D-B50-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1
2.5°	3968.7	3946.4	3946.4	3909.4	3894.6	3883.5	3865.0	3809.5	3794.7	3779.8	3802.0
5°	4002.0	3961.3	3931.7	3865.0	3809.5	3787.3	3716.9	3583.7	3494.7	3428.2	3391.2
7.5°	4009.4	3957.5	3902.0	3798.4	3665.1	3605.9	3391.2	3146.8	3080.1	3020.9	2983.8
10°	4002.0	3942.8	3865.0	3709.5	3394.8	3291.1	3076.4	2917.3	2876.5	2865.4	2876.5
12.5°	3976.0	3920.6	3813.1	3554.1	3113.5	3043.2	2917.3	2824.7	2817.3	2835.8	2935.7
15°	3931.7	3879.8	3753.9	3346.7	2958.0	2906.1	2817.3	2784.0	2824.7	2954.2	3254.1
17.5°	3887.2	3828.0	3672.5	3143.1	2839.5	2802.5	2739.5	2806.2	3035.7	3209.7	3309.7
20°	3828.0	3757.7	3579.9	2995.0	2754.4	2721.0	2691.4	2991.3	3165.3	3228.3	3283.8
22.5°	3757.7	3683.6	3454.0	2891.4	2665.5	2639.6	2658.1	3095.0	3165.3	3209.7	3257.9
25°	3665.1	3602.2	3306.0	2809.9	2595.2	2565.6	2635.9	3083.9	3124.6	3135.7	3231.9
27.5°	3579.9	3498.5	3150.5	2735.9	2510.0	2498.9	2654.4	3035.7	3065.4	3076.4	3180.1
30°	3476.3	3354.1	2976.5	2658.1	2421.2	2417.5	2658.1	2976.5	2969.1	2998.7	3102.4
32.5°	3368.9	3139.4	2780.2	2561.9	2336.0	2332.3	2632.2	2887.6	2880.3	2921.0	2998.7
35°	3269.0	2972.8	2513.8	2450.8	2228.7	2232.4	2569.2	2784.0	2787.7	2824.7	2872.8
37.5°	3165.3	2828.4	2221.2	2328.6	2125.0	2125.0	2484.1	2687.8	2680.3	2691.4	2758.1
40°	3043.2	2602.6	1962.1	2169.4	2028.7	2017.6	2380.5	2584.1	2558.1	2554.5	2647.0
42.5°	2913.5	2354.5	1769.6	1958.4	1917.7	1902.8	2254.6	2458.2	2410.1	2421.2	2539.6
45°	2772.9	2287.9	1621.5	1654.9	1802.9	1791.8	2117.6	2313.8	2280.5	2310.2	2432.3
47.5°	2632.2	2154.6	1573.4	1373.4	1680.7	1677.1	1965.8	2173.1	2154.6	2184.3	2313.8
50°	2439.7	2006.5	1569.7	1177.3	1543.8	1558.6	1784.4	2036.1	2036.1	2062.1	2199.0
52.5°	2191.6	1825.1	1425.3	1066.2	1384.6	1429.0	1625.3	1917.7	1925.1	1951.0	2073.2
55°	1965.8	1636.4	1321.6	981.1	1195.8	1292.0	1469.7	1795.5	1810.4	1836.2	1947.3
57.5°	1758.5	1362.3	1299.5	881.1	1021.8	1114.4	1332.7	1677.1	1684.5	1706.7	1814.0
60°	1536.3	984.7	1192.1	773.7	870.0	940.4	1206.9	1536.3	1562.3	1577.1	1669.6
62.5°	1284.6	714.5	1081.0	699.7	796.0	810.8	1103.2	1403.1	1436.4	1447.5	1503.1
65°	914.4	599.7	918.1	636.8	718.2	721.9	992.2	1266.1	1295.7	1314.2	1355.0
67.5°	618.2	488.7	699.7	577.5	658.9	662.7	884.8	1106.9	1147.6	1162.5	1188.4
70°	429.5	325.8	518.3	514.6	592.3	599.7	770.1	962.6	999.6	1010.7	1025.4
72.5°	314.7	262.8	429.5	462.8	522.0	529.4	651.6	799.7	836.7	847.8	855.2
75°	240.6	277.7	348.0	403.5	444.2	447.9	533.1	651.6	677.5	684.9	688.5
77.5°	192.5	259.2	255.4	325.8	362.8	355.4	418.3	503.5	525.7	525.7	525.7
80°	144.4	203.6	192.5	233.2	266.6	259.2	299.9	359.1	366.5	373.9	370.2
82.5°	107.3	129.5	129.5	148.0	177.7	170.3	199.9	233.2	233.2	233.2	240.6
85°	66.6	74.1	59.2	77.7	99.9	96.3	111.1	125.9	129.5	129.5	122.2
87.5°	40.7	33.3	18.5	29.6	44.5	44.5	51.8	55.6	51.8	51.8	51.8
90°	30.3	21.0	11.7	21.0	30.3	32.6	51.3	76.1	88.5	78.7	59.0
92.5°	205.1	125.8	46.6	125.8	205.1	224.9	316.3	438.0	498.8	437.2	313.9
95°	402.0	256.9	111.9	256.9	402.0	438.2	778.1	1231.4	1458.0	1301.1	987.1
97.5°	449.3	321.4	193.4	321.4	449.3	481.4	1048.1	1803.8	2181.7	2082.5	1884.2
100°	488.4	372.4	256.4	372.4	488.4	517.4	1146.4	1985.0	2404.4	2411.7	2426.2
102.5°	526.5	418.2	310.0	418.2	526.5	553.6	1191.5	2042.1	2467.3	2593.7	2846.5
105°	584.3	492.6	401.0	492.6	584.3	607.2	1224.9	2048.5	2460.3	2743.7	3310.4
107.5°	665.1	579.6	494.2	579.6	665.1	686.5	1231.1	1957.3	2320.4	2715.7	3506.1
110°	711.4	634.3	557.1	634.3	711.4	730.8	1221.8	1876.5	2203.9	2645.7	3529.4



TEST NUMBER: P935305

CATALOG NUMBER: SQ4-FA-100U-100D-B50-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	766.0	692.5	618.9	692.5	766.0	784.4	1222.2	1806.0	2097.9	2550.1	3454.5
115°	847.8	780.0	712.1	780.0	847.8	864.8	1233.4	1725.0	1970.8	2406.5	3277.7
117.5°	927.5	865.8	804.2	865.8	927.5	942.9	1256.4	1674.4	1883.4	2276.5	3062.9
120°	973.9	915.8	857.8	915.8	973.9	988.4	1275.1	1657.4	1848.5	2207.7	2926.1
122.5°	1027.3	968.8	910.3	968.8	1027.3	1042.0	1301.9	1648.4	1821.7	2145.1	2792.1
125°	1097.4	1044.0	990.7	1044.0	1097.4	1110.7	1338.0	1641.0	1792.5	2067.3	2616.9
127.5°	1163.7	1109.8	1055.9	1109.8	1163.7	1177.1	1374.1	1636.7	1768.1	2004.0	2475.8
130°	1206.9	1148.9	1090.9	1148.9	1206.9	1221.4	1400.5	1639.4	1758.7	1968.8	2388.9
132.5°	1243.1	1185.1	1127.1	1185.1	1243.1	1257.5	1421.8	1640.9	1750.5	1938.5	2314.6
135°	1286.3	1233.4	1180.7	1233.4	1286.3	1299.5	1445.2	1639.5	1736.6	1894.1	2208.9
137.5°	1340.0	1287.7	1235.4	1287.7	1340.0	1353.1	1480.1	1649.5	1734.3	1867.3	2133.6
140°	1377.2	1329.1	1280.9	1329.1	1377.2	1389.2	1501.5	1651.2	1726.0	1841.0	2071.1
142.5°	1404.9	1360.4	1315.8	1360.4	1404.9	1416.0	1519.3	1657.1	1726.0	1827.1	2029.1
145°	1447.1	1408.3	1369.4	1408.3	1447.1	1456.9	1542.7	1657.2	1714.5	1797.0	1962.2
147.5°	1498.7	1460.9	1423.0	1460.9	1498.7	1508.1	1576.9	1668.6	1714.5	1779.5	1909.5
150°	1526.3	1492.2	1458.0	1492.2	1526.3	1534.9	1594.8	1674.6	1714.5	1769.4	1879.1
152.5°	1546.0	1520.0	1494.1	1520.0	1546.0	1552.4	1606.4	1678.4	1714.5	1761.3	1855.0
155°	1586.1	1566.9	1547.7	1566.9	1586.1	1590.9	1632.1	1687.0	1714.5	1751.7	1826.3
157.5°	1624.7	1606.0	1587.3	1606.0	1624.7	1629.4	1657.8	1695.6	1714.5	1743.4	1801.4
160°	1643.2	1628.7	1614.1	1628.7	1643.2	1646.8	1669.3	1699.4	1714.5	1739.3	1789.0
162.5°	1662.7	1651.8	1640.9	1651.8	1662.7	1665.4	1681.8	1703.5	1714.5	1735.4	1777.3
165°	1689.8	1679.9	1670.1	1679.9	1689.8	1692.2	1699.6	1709.5	1714.5	1729.5	1759.5
167.5°	1706.2	1701.6	1696.9	1701.6	1706.2	1707.4	1713.6	1721.9	1726.0	1735.9	1755.6
170°	1723.8	1719.1	1714.5	1719.1	1723.8	1724.9	1725.3	1725.8	1726.0	1735.9	1755.6
172.5°	1725.8	1724.7	1723.7	1724.7	1725.8	1726.0	1726.0	1726.0	1726.0	1733.8	1749.4
175°	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1733.0	1728.4	1726.0	1731.0	1740.8
177.5°	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1733.9	1730.2	1728.4	1732.3	1740.0
180°	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6



TEST NUMBER: P935305

CATALOG NUMBER: SQ4-FA-100U-100D-B50-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1
2.5°	3776.2	3765.0	3779.8	3739.1	3779.8	3765.0	3776.2	3802.0	3779.8	3794.7	3809.5
5°	3313.4	3294.9	3235.7	3187.6	3235.7	3294.9	3313.4	3391.2	3428.2	3494.7	3583.7
7.5°	2961.7	2946.9	2932.1	2902.4	2932.1	2946.9	2961.7	2983.8	3020.9	3080.1	3146.8
10°	2883.9	2887.6	2909.9	2906.1	2909.9	2887.6	2883.9	2876.5	2865.4	2876.5	2917.3
12.5°	3083.9	3117.1	3239.3	3231.9	3239.3	3117.1	3083.9	2935.7	2835.8	2817.3	2824.7
15°	3313.4	3324.5	3350.4	3354.1	3350.4	3324.5	3313.4	3254.1	2954.2	2824.7	2784.0
17.5°	3335.6	3339.3	3357.8	3357.8	3357.8	3339.3	3335.6	3309.7	3209.7	3035.7	2806.2
20°	3317.1	3324.5	3361.5	3368.9	3361.5	3324.5	3317.1	3283.8	3228.3	3165.3	2991.3
22.5°	3309.7	3324.5	3354.1	3350.4	3354.1	3324.5	3309.7	3257.9	3209.7	3165.3	3095.0
25°	3272.6	3272.6	3276.4	3280.0	3276.4	3272.6	3272.6	3231.9	3135.7	3124.6	3083.9
27.5°	3194.9	3202.3	3224.5	3220.8	3224.5	3202.3	3194.9	3180.1	3076.4	3065.4	3035.7
30°	3124.6	3117.1	3098.6	3083.9	3098.6	3117.1	3124.6	3102.4	2998.7	2969.1	2976.5
32.5°	3006.1	2987.6	2969.1	2958.0	2969.1	2987.6	3006.1	2998.7	2921.0	2880.3	2887.6
35°	2865.4	2869.2	2865.4	2854.3	2865.4	2869.2	2865.4	2872.8	2824.7	2787.7	2784.0
37.5°	2765.5	2772.9	2769.2	2754.4	2769.2	2772.9	2765.5	2758.1	2691.4	2680.3	2687.8
40°	2661.8	2665.5	2661.8	2650.7	2661.8	2665.5	2661.8	2647.0	2554.5	2558.1	2584.1
42.5°	2561.9	2558.1	2547.0	2539.6	2547.0	2558.1	2561.9	2539.6	2421.2	2410.1	2458.2
45°	2447.1	2450.8	2428.6	2417.5	2428.6	2450.8	2447.1	2432.3	2310.2	2280.5	2313.8
47.5°	2332.3	2332.3	2313.8	2302.7	2313.8	2332.3	2332.3	2313.8	2184.3	2154.6	2173.1
50°	2210.1	2206.5	2180.5	2176.9	2180.5	2206.5	2210.1	2199.0	2062.1	2036.1	2036.1
52.5°	2069.5	2069.5	2073.2	2080.6	2073.2	2069.5	2069.5	2073.2	1951.0	1925.1	1917.7
55°	1947.3	1951.0	1976.9	1984.3	1976.9	1951.0	1947.3	1947.3	1836.2	1810.4	1795.5
57.5°	1821.4	1821.4	1840.0	1840.0	1840.0	1821.4	1821.4	1814.0	1706.7	1684.5	1677.1
60°	1677.1	1684.5	1699.2	1695.6	1699.2	1684.5	1677.1	1669.6	1577.1	1562.3	1536.3
62.5°	1525.2	1532.7	1536.3	1529.0	1536.3	1532.7	1525.2	1503.1	1447.5	1436.4	1403.1
65°	1366.1	1373.4	1377.2	1369.8	1377.2	1373.4	1366.1	1355.0	1314.2	1295.7	1266.1
67.5°	1203.2	1199.4	1195.8	1210.6	1195.8	1199.4	1203.2	1188.4	1162.5	1147.6	1106.9
70°	1036.6	1036.6	1032.9	1040.3	1032.9	1036.6	1036.6	1025.4	1010.7	999.6	962.6
72.5°	858.9	855.2	870.0	858.9	870.0	855.2	858.9	855.2	847.8	836.7	799.7
75°	684.9	692.3	684.9	696.0	684.9	692.3	684.9	688.5	684.9	677.5	651.6
77.5°	522.0	529.4	522.0	522.0	522.0	529.4	522.0	525.7	525.7	525.7	503.5
80°	370.2	366.5	366.5	362.8	366.5	366.5	370.2	370.2	373.9	366.5	359.1
82.5°	237.0	233.2	233.2	240.6	233.2	233.2	237.0	240.6	233.2	233.2	233.2
85°	129.5	133.3	125.9	125.9	125.9	133.3	129.5	122.2	129.5	129.5	125.9
87.5°	48.1	44.5	44.5	44.5	44.5	44.5	48.1	51.8	51.8	51.8	55.6
90°	44.3	44.3	44.3	44.3	44.3	44.3	44.3	59.0	78.7	88.5	76.1
92.5°	221.5	212.7	177.4	142.2	177.4	212.7	221.5	313.9	437.2	498.8	438.0
95°	751.7	725.0	618.3	511.6	618.3	725.0	751.7	987.1	1301.1	1458.0	1231.4
97.5°	1735.4	1684.7	1481.6	1278.6	1481.6	1684.7	1735.4	1884.2	2082.5	2181.7	1803.8
100°	2437.0	2376.6	2134.7	1892.8	2134.7	2376.6	2437.0	2426.2	2411.7	2404.4	1985.0
102.5°	3036.1	2984.2	2777.1	2569.9	2777.1	2984.2	3036.1	2846.5	2593.7	2467.3	2042.1
105°	3735.3	3707.5	3596.1	3484.8	3596.1	3707.5	3735.3	3310.4	2743.7	2460.3	2048.5
107.5°	4099.0	4105.7	4132.7	4159.6	4132.7	4105.7	4099.0	3506.1	2715.7	2320.4	1957.3
110°	4192.2	4221.2	4337.2	4453.3	4337.2	4221.2	4192.2	3529.4	2645.7	2203.9	1876.5



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4132.8	4177.3	4355.5	4533.7	4355.5	4177.3	4132.8	3454.5	2550.1	2097.9	1806.0
115°	3931.1	3992.8	4240.0	4487.0	4240.0	3992.8	3931.1	3277.7	2406.5	1970.8	1725.0
117.5°	3652.6	3721.1	3995.1	4269.1	3995.1	3721.1	3652.6	3062.9	2276.5	1883.4	1674.4
120°	3465.0	3531.5	3797.7	4064.0	3797.7	3531.5	3465.0	2926.1	2207.7	1848.5	1657.4
122.5°	3277.3	3343.0	3605.5	3868.2	3605.5	3343.0	3277.3	2792.1	2145.1	1821.7	1648.4
125°	3029.1	3089.5	3331.4	3573.3	3331.4	3089.5	3029.1	2616.9	2067.3	1792.5	1641.0
127.5°	2829.7	2880.7	3084.9	3289.0	3084.9	2880.7	2829.7	2475.8	2004.0	1768.1	1636.7
130°	2703.9	2751.1	2939.6	3128.2	2939.6	2751.1	2703.9	2388.9	1968.8	1758.7	1639.4
132.5°	2596.7	2638.9	2807.8	2976.7	2807.8	2638.9	2596.7	2314.6	1938.5	1750.5	1640.9
135°	2445.1	2481.5	2627.1	2772.7	2627.1	2481.5	2445.1	2208.9	1894.1	1736.6	1639.5
137.5°	2333.3	2363.1	2482.2	2601.4	2482.2	2363.1	2333.3	2133.6	1867.3	1734.3	1649.5
140°	2243.6	2271.4	2382.8	2494.2	2382.8	2271.4	2243.6	2071.1	1841.0	1726.0	1651.2
142.5°	2180.6	2204.5	2300.3	2396.2	2300.3	2204.5	2180.6	2029.1	1827.1	1726.0	1657.1
145°	2086.2	2104.3	2176.9	2249.4	2176.9	2104.3	2086.2	1962.2	1797.0	1714.5	1657.2
147.5°	2007.0	2022.0	2082.1	2142.1	2082.1	2022.0	2007.0	1909.5	1779.5	1714.5	1668.6
150°	1961.5	1973.6	2022.4	2071.1	2022.4	1973.6	1961.5	1879.1	1769.4	1714.5	1674.6
152.5°	1925.3	1934.5	1971.3	2008.1	1971.3	1934.5	1925.3	1855.0	1761.3	1714.5	1678.4
155°	1882.2	1888.3	1912.6	1937.0	1912.6	1888.3	1882.2	1826.3	1751.7	1714.5	1687.0
157.5°	1844.9	1849.2	1866.3	1883.4	1866.3	1849.2	1844.9	1801.4	1743.4	1714.5	1695.6
160°	1826.3	1828.7	1838.6	1848.5	1838.6	1828.7	1826.3	1789.0	1739.3	1714.5	1699.4
162.5°	1808.8	1811.1	1820.5	1829.8	1820.5	1811.1	1808.8	1777.3	1735.4	1714.5	1703.5
165°	1782.0	1784.4	1794.3	1804.1	1794.3	1784.4	1782.0	1759.5	1729.5	1714.5	1709.5
167.5°	1770.4	1771.4	1775.5	1779.6	1775.5	1771.4	1770.4	1755.6	1735.9	1726.0	1721.9
170°	1770.4	1770.4	1770.4	1770.4	1770.4	1770.4	1770.4	1755.6	1735.9	1726.0	1725.8
172.5°	1761.1	1760.1	1756.5	1752.8	1756.5	1760.1	1761.1	1749.4	1733.8	1726.0	1726.0
175°	1748.2	1748.2	1748.2	1748.2	1748.2	1748.2	1748.2	1740.8	1731.0	1726.0	1728.4
177.5°	1745.8	1744.8	1740.7	1736.6	1740.7	1744.8	1745.8	1740.0	1732.3	1728.4	1730.2
180°	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	3913.1	3913.1	3913.1	3913.1	3913.1
2.5°	3865.0	3883.5	3894.6	3909.4	3946.4
5°	3716.9	3787.3	3809.5	3865.0	3931.7
7.5°	3391.2	3605.9	3665.1	3798.4	3902.0
10°	3076.4	3291.1	3394.8	3709.5	3865.0
12.5°	2917.3	3043.2	3113.5	3554.1	3813.1
15°	2817.3	2906.1	2958.0	3346.7	3753.9
17.5°	2739.5	2802.5	2839.5	3143.1	3672.5
20°	2691.4	2721.0	2754.4	2995.0	3579.9
22.5°	2658.1	2639.6	2665.5	2891.4	3454.0
25°	2635.9	2565.6	2595.2	2809.9	3306.0
27.5°	2654.4	2498.9	2510.0	2735.9	3150.5
30°	2658.1	2417.5	2421.2	2658.1	2976.5
32.5°	2632.2	2332.3	2336.0	2561.9	2780.2
35°	2569.2	2232.4	2228.7	2450.8	2513.8
37.5°	2484.1	2125.0	2125.0	2328.6	2221.2
40°	2380.5	2017.6	2028.7	2169.4	1962.1
42.5°	2254.6	1902.8	1917.7	1958.4	1769.6
45°	2117.6	1791.8	1802.9	1654.9	1621.5
47.5°	1965.8	1677.1	1680.7	1373.4	1573.4
50°	1784.4	1558.6	1543.8	1177.3	1569.7
52.5°	1625.3	1429.0	1384.6	1066.2	1425.3
55°	1469.7	1292.0	1195.8	981.1	1321.6
57.5°	1332.7	1114.4	1021.8	881.1	1299.5
60°	1206.9	940.4	870.0	773.7	1192.1
62.5°	1103.2	810.8	796.0	699.7	1081.0
65°	992.2	721.9	718.2	636.8	918.1
67.5°	884.8	662.7	658.9	577.5	699.7
70°	770.1	599.7	592.3	514.6	518.3
72.5°	651.6	529.4	522.0	462.8	429.5
75°	533.1	447.9	444.2	403.5	348.0
77.5°	418.3	355.4	362.8	325.8	255.4
80°	299.9	259.2	266.6	233.2	192.5
82.5°	199.9	170.3	177.7	148.0	129.5
85°	111.1	96.3	99.9	77.7	59.2
87.5°	51.8	44.5	44.5	29.6	18.5
90°	51.3	32.6	30.3	21.0	11.7
92.5°	316.3	224.9	205.1	125.8	46.6
95°	778.1	438.2	402.0	256.9	111.9
97.5°	1048.1	481.4	449.3	321.4	193.4
100°	1146.4	517.4	488.4	372.4	256.4
102.5°	1191.5	553.6	526.5	418.2	310.0
105°	1224.9	607.2	584.3	492.6	401.0
107.5°	1231.1	686.5	665.1	579.6	494.2
110°	1221.8	730.8	711.4	634.3	557.1



TEST NUMBER: P935305

CATALOG NUMBER: SQ4-FA-100U-100D-B50-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1222.2	784.4	766.0	692.5	618.9
115°	1233.4	864.8	847.8	780.0	712.1
117.5°	1256.4	942.9	927.5	865.8	804.2
120°	1275.1	988.4	973.9	915.8	857.8
122.5°	1301.9	1042.0	1027.3	968.8	910.3
125°	1338.0	1110.7	1097.4	1044.0	990.7
127.5°	1374.1	1177.1	1163.7	1109.8	1055.9
130°	1400.5	1221.4	1206.9	1148.9	1090.9
132.5°	1421.8	1257.5	1243.1	1185.1	1127.1
135°	1445.2	1299.5	1286.3	1233.4	1180.7
137.5°	1480.1	1353.1	1340.0	1287.7	1235.4
140°	1501.5	1389.2	1377.2	1329.1	1280.9
142.5°	1519.3	1416.0	1404.9	1360.4	1315.8
145°	1542.7	1456.9	1447.1	1408.3	1369.4
147.5°	1576.9	1508.1	1498.7	1460.9	1423.0
150°	1594.8	1534.9	1526.3	1492.2	1458.0
152.5°	1606.4	1552.4	1546.0	1520.0	1494.1
155°	1632.1	1590.9	1586.1	1566.9	1547.7
157.5°	1657.8	1629.4	1624.7	1606.0	1587.3
160°	1669.3	1646.8	1643.2	1628.7	1614.1
162.5°	1681.8	1665.4	1662.7	1651.8	1640.9
165°	1699.6	1692.2	1689.8	1679.9	1670.1
167.5°	1713.6	1707.4	1706.2	1701.6	1696.9
170°	1725.3	1724.9	1723.8	1719.1	1714.5
172.5°	1726.0	1726.0	1725.8	1724.7	1723.7
175°	1733.0	1736.6	1736.6	1736.6	1736.6
177.5°	1733.9	1736.6	1736.6	1736.6	1736.6
180°	1736.6	1736.6	1736.6	1736.6	1736.6



TEST NUMBER: P935305  
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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	13.23	14.07	14.21	15.06	16.37	16.08	16.92	17.06	17.91	19.22
	3H	13.71	14.46	14.70	15.46	16.79	17.43	18.18	18.42	19.19	20.52
	4H	13.90	14.61	14.90	15.61	16.95	17.88	18.59	18.88	19.60	20.93
	6H	14.01	14.67	15.03	15.68	17.03	18.17	18.83	19.18	19.83	21.18
	8H	14.01	14.64	15.03	15.66	17.01	18.25	18.87	19.27	19.90	21.24
	12H	13.99	14.58	15.01	15.60	16.97	18.29	18.88	19.31	19.90	21.27
4H	2H	14.27	14.98	15.28	15.98	17.32	16.49	17.20	17.50	18.20	19.54
	3H	15.29	15.88	16.31	16.92	18.27	18.00	18.59	19.02	19.62	20.98
	4H	15.57	16.11	16.59	17.13	18.51	18.53	19.07	19.56	20.10	21.47
	6H	15.69	16.16	16.73	17.21	18.58	18.90	19.37	19.94	20.42	21.79
	8H	15.70	16.13	16.73	17.17	18.56	19.01	19.44	20.05	20.49	21.87
	12H	15.66	16.05	16.72	17.11	18.50	19.07	19.46	20.12	20.52	21.91
8H	4H	16.02	16.46	17.06	17.50	18.88	18.65	19.09	19.69	20.13	21.51
	6H	16.28	16.64	17.34	17.73	19.11	19.09	19.45	20.15	20.54	21.92
	8H	16.32	16.64	17.39	17.71	19.11	19.25	19.57	20.32	20.63	22.04
	12H	16.31	16.59	17.38	17.65	19.09	19.35	19.63	20.42	20.69	22.14
12H	4H	16.03	16.42	17.08	17.48	18.87	18.62	19.01	19.67	20.07	21.46
	6H	16.34	16.66	17.41	17.73	19.13	19.09	19.41	20.16	20.48	21.88
	8H	16.41	16.69	17.48	17.75	19.19	19.25	19.53	20.33	20.60	22.04