

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: P935869

Luminaire Tested: SQ4-FA-150U-050D-935-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935869
REPORT IS A COMBINATION OF REPORTS P933769 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-050D-935-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

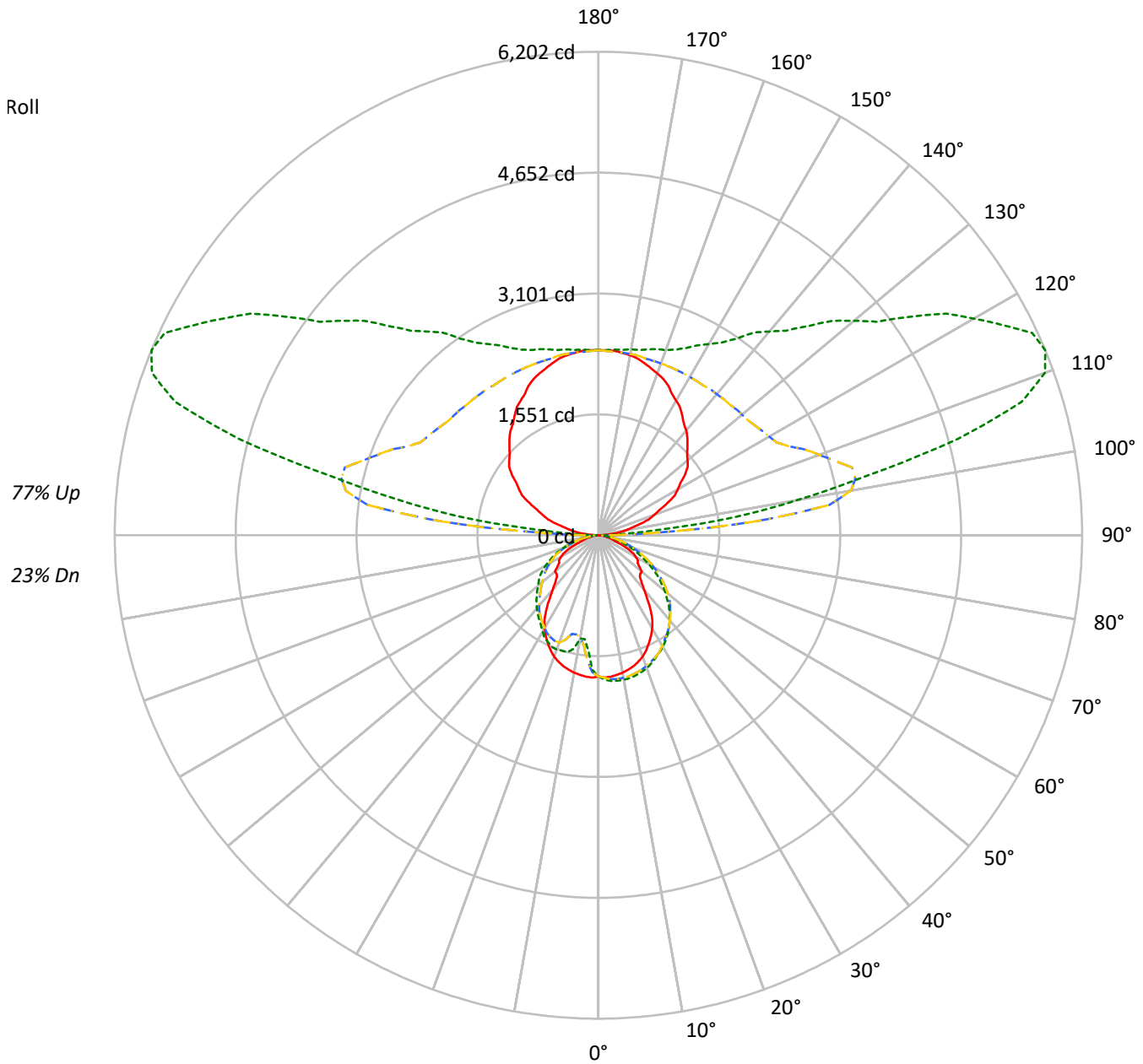
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20105.5 lumens
Efficiency: N/A
Efficacy: 120.5 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): 166.8
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

TEST NUMBER: P935869
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Luminous Intensity Polar Plot



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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.6	0.8
10°-20°	464.4	2.3
20°-30°	717.8	3.6
30°-40°	857.0	4.3
40°-50°	862.0	4.3
50°-60°	750.0	3.7
60°-70°	531.8	2.6
70°-80°	281.3	1.4
80°-90°	79.1	0.4
90°-100°	1157.9	5.8
100°-110°	3044.1	15.1
110°-120°	3156.4	15.7
120°-130°	2531.8	12.6
130°-140°	1986.6	9.9
140°-150°	1524.8	7.6
150°-160°	1098.1	5.5
160°-170°	671.9	3.3
170°-180°	227.0	1.1
0°-30°	1345.8	6.7
0°-40°	2202.7	11.0
0°-60°	3814.7	19.0
0°-90°	4707.0	23.4
90°-120°	7358.3	36.6
90°-150°	13401.5	66.7
90°-180°	15398.0	76.6
0°-180°	20105.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1812	1812	1812	1812	1812	
5°	1820	1877	1820	1476	1820	173
15°	1738	1860	1738	1553	1738	489
25°	1531	1735	1531	1519	1531	703
35°	1164	1548	1164	1322	1164	720
45°	751	1275	751	1119	751	601
55°	612	941	612	919	612	562
65°	425	567	425	634	425	406
75°	161	269	161	322	161	169
85°	27	69	27	58	27	37
90°	16	61	16	61	16	14
95°	153	700	153	700	153	170
105°	548	4767	548	4767	548	581
115°	974	6138	974	6138	974	962
125°	1355	4888	1355	4888	1355	1203
135°	1615	3793	1615	3793	1615	1249
145°	1873	3077	1873	3077	1873	1174
155°	2117	2650	2117	2650	2117	973
165°	2284	2468	2284	2468	2284	645
175°	2375	2391	2375	2391	2375	225
180°	2375	2375	2375	2375	2375	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9
2.5°	1827.3	1827.3	1837.6	1841.0	1841.0	1835.9	1830.8	1835.9	1851.3	1856.4	1854.7
5°	1820.5	1834.2	1853.0	1856.4	1859.9	1858.2	1854.7	1858.2	1875.3	1878.7	1880.4
7.5°	1806.8	1832.5	1856.4	1861.6	1866.7	1861.6	1859.9	1863.3	1880.4	1883.9	1883.9
10°	1789.6	1825.6	1853.0	1856.4	1861.6	1856.4	1856.4	1863.3	1880.4	1883.9	1885.6
12.5°	1765.6	1815.4	1841.0	1844.5	1851.3	1849.6	1847.9	1854.7	1871.9	1875.3	1875.3
15°	1738.2	1796.4	1820.5	1823.9	1835.9	1832.5	1832.5	1839.3	1858.2	1863.3	1861.6
17.5°	1700.5	1772.5	1799.9	1805.0	1813.7	1811.9	1813.7	1820.5	1837.6	1841.0	1842.8
20°	1657.7	1739.9	1772.5	1777.6	1786.2	1786.2	1786.2	1794.7	1811.9	1818.8	1818.8
22.5°	1599.4	1705.6	1739.9	1743.4	1753.6	1753.6	1757.1	1769.0	1784.4	1786.2	1786.2
25°	1530.8	1667.9	1697.0	1707.3	1717.6	1722.7	1727.9	1734.8	1739.9	1738.2	1739.9
27.5°	1458.8	1619.9	1657.7	1664.5	1678.2	1683.3	1690.2	1691.9	1693.6	1698.7	1695.3
30°	1378.2	1553.0	1609.6	1616.5	1638.7	1642.2	1635.3	1638.7	1647.3	1650.8	1654.2
32.5°	1287.4	1453.6	1559.9	1575.3	1595.9	1585.7	1583.9	1589.1	1602.8	1602.8	1606.2
35°	1163.9	1376.5	1513.7	1527.4	1542.8	1530.8	1537.6	1539.3	1547.9	1553.0	1551.3
37.5°	1028.5	1309.6	1465.6	1475.9	1487.9	1472.5	1482.7	1487.9	1494.7	1491.3	1491.3
40°	908.5	1205.1	1409.0	1415.9	1426.2	1414.2	1424.5	1428.0	1431.4	1428.0	1426.2
42.5°	819.4	1090.2	1349.1	1357.7	1350.8	1359.4	1362.8	1369.7	1364.5	1357.7	1357.7
45°	750.8	1059.4	1284.0	1294.2	1284.0	1297.7	1302.8	1302.8	1287.4	1284.0	1282.2
47.5°	728.5	997.7	1218.8	1218.8	1213.7	1230.8	1239.3	1227.4	1212.0	1206.8	1206.8
50°	726.8	929.1	1129.7	1122.8	1146.8	1167.3	1158.8	1146.8	1134.8	1115.9	1115.9
52.5°	660.0	845.1	1014.8	1040.5	1078.2	1090.2	1076.5	1064.5	1044.0	1035.4	1028.5
55°	612.0	757.7	910.2	961.7	1001.1	1016.5	990.8	978.8	947.9	942.8	939.4
57.5°	601.7	630.8	814.3	879.3	927.4	925.7	910.2	888.0	862.2	857.1	855.4
60°	552.0	456.0	711.4	788.5	838.2	833.1	819.4	798.8	774.8	771.4	768.0
62.5°	500.6	330.8	594.8	682.3	752.5	750.8	738.9	707.9	690.8	682.3	675.4
65°	425.1	277.7	423.4	567.4	668.6	672.0	646.2	624.0	605.1	594.8	593.1
67.5°	324.0	226.3	286.3	473.1	588.0	584.6	552.0	541.7	517.7	512.6	502.3
70°	240.0	150.9	198.9	384.0	509.2	500.6	474.8	462.8	440.6	428.6	421.7
72.5°	198.9	121.7	145.7	298.3	428.6	418.2	396.0	382.3	363.4	353.2	346.3
75°	161.1	128.6	111.4	221.1	348.0	341.1	320.5	306.8	291.4	277.7	279.4
77.5°	118.3	120.0	89.1	162.8	276.0	265.7	253.7	236.6	229.7	216.0	216.0
80°	89.1	94.3	66.9	111.4	198.9	198.9	188.5	176.5	164.5	157.7	157.7
82.5°	60.0	60.0	49.7	70.3	135.4	130.3	123.5	120.0	113.1	109.7	109.7
85°	27.4	34.3	30.8	42.9	73.7	77.1	77.1	73.7	72.0	68.6	70.3
87.5°	8.6	15.4	18.8	24.0	37.7	39.4	41.2	41.2	41.2	42.9	42.9
90°	15.9	28.7	41.5	44.6	70.1	104.1	121.2	107.7	80.8	60.6	60.6
92.5°	63.7	172.1	280.6	307.7	432.6	599.0	682.3	597.9	429.3	302.9	290.9
95°	153.0	351.4	549.8	599.4	1064.4	1684.4	1994.4	1779.7	1350.3	1028.3	991.8
97.5°	264.6	439.6	614.6	658.4	1433.7	2467.5	2984.3	2848.7	2577.3	2373.8	2304.3
100°	350.7	509.4	668.1	707.8	1568.2	2715.2	3288.8	3298.7	3318.5	3333.4	3250.7
102.5°	424.0	572.1	720.2	757.3	1629.8	2793.2	3374.9	3547.8	3893.6	4152.9	4082.0
105°	548.4	673.8	799.3	830.6	1675.5	2802.1	3365.3	3752.9	4528.0	5109.4	5071.3
107.5°	676.0	792.9	909.8	939.0	1684.0	2677.3	3174.0	3714.6	4795.8	5606.8	5616.0
110°	762.0	867.6	973.2	999.6	1671.3	2566.8	3014.6	3619.0	4827.8	5734.3	5774.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	846.5	947.2	1047.8	1072.9	1671.8	2470.3	2869.5	3488.1	4725.2	5653.0	5713.9
115°	974.1	1066.9	1159.7	1182.9	1687.2	2359.6	2695.8	3291.7	4483.4	5377.2	5461.7
117.5°	1100.0	1184.3	1268.6	1289.7	1718.5	2290.3	2576.2	3114.0	4189.5	4996.2	5089.9
120°	1173.3	1252.7	1332.0	1351.9	1744.0	2266.9	2528.4	3019.7	4002.4	4739.5	4830.6
122.5°	1245.0	1325.1	1405.2	1425.2	1780.8	2254.7	2491.8	2934.2	3819.2	4482.9	4572.7
125°	1355.1	1428.0	1501.1	1519.3	1830.2	2244.7	2451.9	2827.8	3579.5	4143.3	4226.0
127.5°	1444.3	1518.0	1591.7	1610.1	1879.5	2238.8	2418.4	2741.1	3386.6	3870.7	3940.5
130°	1492.2	1571.5	1650.8	1670.7	1915.6	2242.3	2405.6	2692.9	3267.6	3698.5	3763.0
132.5°	1541.6	1620.9	1700.3	1720.1	1944.9	2244.6	2394.5	2651.7	3166.1	3551.9	3609.7
135°	1614.9	1687.1	1759.5	1777.5	1976.8	2242.5	2375.4	2590.8	3021.5	3344.6	3394.4
137.5°	1689.9	1761.4	1833.0	1850.9	2024.6	2256.3	2372.1	2554.2	2918.4	3191.6	3232.3
140°	1752.1	1817.9	1883.9	1900.3	2053.8	2258.6	2361.0	2518.3	2832.9	3068.8	3106.9
142.5°	1799.8	1860.8	1921.7	1936.9	2078.3	2266.7	2361.0	2499.2	2775.5	2982.8	3015.6
145°	1873.2	1926.4	1979.5	1992.7	2110.1	2266.7	2345.0	2458.0	2684.1	2853.6	2878.4
147.5°	1946.5	1998.2	2049.9	2062.9	2156.9	2282.3	2345.0	2434.0	2611.8	2745.2	2765.8
150°	1994.4	2041.1	2087.9	2099.6	2181.4	2290.5	2345.0	2420.2	2570.4	2683.0	2699.6
152.5°	2043.8	2079.2	2114.6	2123.4	2197.3	2295.8	2345.0	2409.2	2537.4	2633.6	2646.2
155°	2117.1	2143.4	2169.5	2176.1	2232.4	2307.5	2345.0	2396.1	2498.1	2574.7	2583.0
157.5°	2171.3	2196.8	2222.3	2228.7	2267.4	2319.1	2345.0	2384.7	2464.1	2523.6	2529.5
160°	2208.0	2227.8	2247.7	2252.6	2283.4	2324.5	2345.0	2379.0	2447.0	2498.1	2501.5
162.5°	2244.6	2259.5	2274.3	2278.1	2300.4	2330.1	2345.0	2373.8	2431.2	2474.2	2477.4
165°	2284.5	2297.9	2311.4	2314.8	2324.9	2338.3	2345.0	2365.6	2406.6	2437.5	2440.9
167.5°	2321.2	2327.6	2333.9	2335.5	2344.0	2355.4	2361.0	2374.4	2401.4	2421.6	2423.0
170°	2345.0	2351.4	2357.8	2359.4	2360.0	2360.6	2361.0	2374.4	2401.4	2421.6	2421.6
172.5°	2357.8	2359.2	2360.6	2361.0	2361.0	2361.0	2361.0	2371.6	2392.9	2408.9	2407.6
175°	2375.4	2375.4	2375.4	2375.4	2370.6	2364.2	2361.0	2367.7	2381.2	2391.3	2391.3
177.5°	2375.4	2375.4	2375.4	2375.4	2371.6	2366.7	2364.2	2369.5	2380.1	2388.1	2386.6
180°	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9
2.5°	1858.2	1853.0	1858.2	1854.7	1856.4	1851.3	1835.9	1830.8	1835.9	1841.0	1841.0
5°	1880.4	1877.0	1880.4	1880.4	1878.7	1875.3	1858.2	1854.7	1858.2	1859.9	1856.4
7.5°	1887.4	1882.2	1887.4	1883.9	1883.9	1880.4	1863.3	1859.9	1861.6	1866.7	1861.6
10°	1887.4	1882.2	1887.4	1885.6	1883.9	1880.4	1863.3	1856.4	1856.4	1861.6	1856.4
12.5°	1878.7	1875.3	1878.7	1875.3	1875.3	1871.9	1854.7	1847.9	1849.6	1851.3	1844.5
15°	1865.0	1859.9	1865.0	1861.6	1863.3	1858.2	1839.3	1832.5	1832.5	1835.9	1823.9
17.5°	1844.5	1837.6	1844.5	1842.8	1841.0	1837.6	1820.5	1813.7	1811.9	1813.7	1805.0
20°	1820.5	1815.4	1820.5	1818.8	1818.8	1811.9	1794.7	1786.2	1786.2	1786.2	1777.6
22.5°	1782.7	1777.6	1782.7	1786.2	1786.2	1784.4	1769.0	1757.1	1753.6	1753.6	1743.4
25°	1739.9	1734.8	1739.9	1739.9	1738.2	1739.9	1734.8	1727.9	1722.7	1717.6	1707.3
27.5°	1698.7	1695.3	1698.7	1695.3	1698.7	1693.6	1691.9	1690.2	1683.3	1678.2	1664.5
30°	1657.7	1654.2	1657.7	1654.2	1650.8	1647.3	1638.7	1635.3	1642.2	1638.7	1616.5
32.5°	1606.2	1602.8	1606.2	1606.2	1602.8	1602.8	1589.1	1583.9	1585.7	1595.9	1575.3
35°	1553.0	1547.9	1553.0	1551.3	1553.0	1547.9	1539.3	1537.6	1530.8	1542.8	1527.4
37.5°	1491.3	1486.2	1491.3	1491.3	1491.3	1494.7	1487.9	1482.7	1472.5	1487.9	1475.9
40°	1428.0	1421.1	1428.0	1426.2	1428.0	1431.4	1428.0	1424.5	1414.2	1426.2	1415.9
42.5°	1356.0	1354.2	1356.0	1357.7	1357.7	1364.5	1369.7	1362.8	1359.4	1350.8	1357.7
45°	1278.8	1275.4	1278.8	1282.2	1284.0	1287.4	1302.8	1302.8	1297.7	1284.0	1294.2
47.5°	1196.5	1187.9	1196.5	1206.8	1206.8	1212.0	1227.4	1239.3	1230.8	1213.7	1218.8
50°	1109.0	1110.8	1109.0	1115.9	1115.9	1134.8	1146.8	1158.8	1167.3	1146.8	1122.8
52.5°	1023.3	1021.6	1023.3	1028.5	1035.4	1044.0	1064.5	1076.5	1090.2	1078.2	1040.5
55°	937.6	941.1	937.6	939.4	942.8	947.9	978.8	990.8	1016.5	1001.1	961.7
57.5°	851.9	846.8	851.9	855.4	857.1	862.2	888.0	910.2	925.7	927.4	879.3
60°	752.5	745.7	752.5	768.0	771.4	774.8	798.8	819.4	833.1	838.2	788.5
62.5°	665.1	653.1	665.1	675.4	682.3	690.8	707.9	738.9	750.8	752.5	682.3
65°	572.5	567.4	572.5	593.1	594.8	605.1	624.0	646.2	672.0	668.6	567.4
67.5°	488.5	488.5	488.5	502.3	512.6	517.7	541.7	552.0	584.6	588.0	473.1
70°	411.4	409.7	411.4	421.7	428.6	440.6	462.8	474.8	500.6	509.2	384.0
72.5°	337.7	335.9	337.7	346.3	353.2	363.4	382.3	396.0	418.2	428.6	298.3
75°	272.6	269.1	272.6	279.4	277.7	291.4	306.8	320.5	341.1	348.0	221.1
77.5°	209.2	209.2	209.2	216.0	216.0	229.7	236.6	253.7	265.7	276.0	162.8
80°	156.0	154.3	156.0	157.7	157.7	164.5	176.5	188.5	198.9	198.9	111.4
82.5°	109.7	106.2	109.7	109.7	109.7	113.1	120.0	123.5	130.3	135.4	70.3
85°	68.6	68.6	68.6	70.3	68.6	72.0	73.7	77.1	77.1	73.7	42.9
87.5°	44.6	42.9	44.6	42.9	42.9	41.2	41.2	41.2	39.4	37.7	24.0
90°	60.6	60.6	60.6	60.6	60.6	80.8	107.7	121.2	104.1	70.1	44.6
92.5°	242.6	194.5	242.6	290.9	302.9	429.3	597.9	682.3	599.0	432.6	307.7
95°	845.8	699.8	845.8	991.8	1028.3	1350.3	1779.7	1994.4	1684.4	1064.4	599.4
97.5°	2026.6	1748.8	2026.6	2304.3	2373.8	2577.3	2848.7	2984.3	2467.5	1433.7	658.4
100°	2919.9	2589.0	2919.9	3250.7	3333.4	3318.5	3298.7	3288.8	2715.2	1568.2	707.8
102.5°	3798.6	3515.2	3798.6	4082.0	4152.9	3893.6	3547.8	3374.9	2793.2	1629.8	757.3
105°	4919.0	4766.7	4919.0	5071.3	5109.4	4528.0	3752.9	3365.3	2802.1	1675.5	830.6
107.5°	5652.8	5689.7	5652.8	5616.0	5606.8	4795.8	3714.6	3174.0	2677.3	1684.0	939.0
110°	5932.7	6091.5	5932.7	5774.0	5734.3	4827.8	3619.0	3014.6	2566.8	1671.3	999.6



TEST NUMBER: P935869

CATALOG NUMBER: SQ4-FA-150U-050D-935-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5957.7	6201.5	5957.7	5713.9	5653.0	4725.2	3488.1	2869.5	2470.3	1671.8	1072.9
115°	5799.6	6137.6	5799.6	5461.7	5377.2	4483.4	3291.7	2695.8	2359.6	1687.2	1182.9
117.5°	5464.7	5839.5	5464.7	5089.9	4996.2	4189.5	3114.0	2576.2	2290.3	1718.5	1289.7
120°	5194.7	5559.0	5194.7	4830.6	4739.5	4002.4	3019.7	2528.4	2266.9	1744.0	1351.9
122.5°	4932.0	5291.2	4932.0	4572.7	4482.9	3819.2	2934.2	2491.8	2254.7	1780.8	1425.2
125°	4556.9	4887.8	4556.9	4226.0	4143.3	3579.5	2827.8	2451.9	2244.7	1830.2	1519.3
127.5°	4219.7	4498.8	4219.7	3940.5	3870.7	3386.6	2741.1	2418.4	2238.8	1879.5	1610.1
130°	4020.9	4278.8	4020.9	3763.0	3698.5	3267.6	2692.9	2405.6	2242.3	1915.6	1670.7
132.5°	3840.6	4071.5	3840.6	3609.7	3551.9	3166.1	2651.7	2394.5	2244.6	1944.9	1720.1
135°	3593.5	3792.6	3593.5	3394.4	3344.6	3021.5	2590.8	2375.4	2242.5	1976.8	1777.5
137.5°	3395.3	3558.2	3395.3	3232.3	3191.6	2918.4	2554.2	2372.1	2256.3	2024.6	1850.9
140°	3259.2	3411.6	3259.2	3106.9	3068.8	2832.9	2518.3	2361.0	2258.6	2053.8	1900.3
142.5°	3146.6	3277.6	3146.6	3015.6	2982.8	2775.5	2499.2	2361.0	2266.7	2078.3	1936.9
145°	2977.7	3076.8	2977.7	2878.4	2853.6	2684.1	2458.0	2345.0	2266.7	2110.1	1992.7
147.5°	2848.0	2930.1	2848.0	2765.8	2745.2	2611.8	2434.0	2345.0	2282.3	2156.9	2062.9
150°	2766.3	2832.9	2766.3	2699.6	2683.0	2570.4	2420.2	2345.0	2290.5	2181.4	2099.6
152.5°	2696.5	2746.8	2696.5	2646.2	2633.6	2537.4	2409.2	2345.0	2295.8	2197.3	2123.4
155°	2616.2	2649.5	2616.2	2583.0	2574.7	2498.1	2396.1	2345.0	2307.5	2232.4	2176.1
157.5°	2552.8	2576.2	2552.8	2529.5	2523.6	2464.1	2384.7	2345.0	2319.1	2267.4	2228.7
160°	2514.9	2528.4	2514.9	2501.5	2498.1	2447.0	2379.0	2345.0	2324.5	2283.4	2252.6
162.5°	2490.1	2502.9	2490.1	2477.4	2474.2	2431.2	2373.8	2345.0	2330.1	2300.4	2278.1
165°	2454.4	2467.8	2454.4	2440.9	2437.5	2406.6	2365.6	2345.0	2338.3	2324.9	2314.8
167.5°	2428.6	2434.3	2428.6	2423.0	2421.6	2401.4	2374.4	2361.0	2355.4	2344.0	2335.5
170°	2421.6	2421.6	2421.6	2421.6	2421.6	2401.4	2374.4	2361.0	2360.6	2360.0	2359.4
172.5°	2402.6	2397.7	2402.6	2407.6	2408.9	2392.9	2371.6	2361.0	2361.0	2361.0	2361.0
175°	2391.3	2391.3	2391.3	2391.3	2391.3	2381.2	2367.7	2361.0	2364.2	2370.6	2375.4
177.5°	2381.0	2375.4	2381.0	2386.6	2388.1	2380.1	2369.5	2364.2	2366.7	2371.6	2375.4
180°	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9
2.5°	1837.6	1827.3	1827.3	1810.2	1803.3	1798.1	1789.6	1763.9	1757.1	1750.2	1760.5
5°	1853.0	1834.2	1820.5	1789.6	1763.9	1753.6	1721.0	1659.4	1618.2	1587.4	1570.2
7.5°	1856.4	1832.5	1806.8	1758.8	1697.0	1669.6	1570.2	1457.1	1426.2	1398.8	1381.6
10°	1853.0	1825.6	1789.6	1717.6	1571.9	1523.9	1424.5	1350.8	1331.9	1326.8	1331.9
12.5°	1841.0	1815.4	1765.6	1645.6	1441.7	1409.0	1350.8	1307.9	1304.5	1313.1	1359.4
15°	1820.5	1796.4	1738.2	1549.6	1369.7	1345.6	1304.5	1289.1	1307.9	1367.9	1506.8
17.5°	1799.9	1772.5	1700.5	1455.4	1314.8	1297.7	1268.5	1299.4	1405.6	1486.2	1532.5
20°	1772.5	1739.9	1657.7	1386.8	1275.4	1259.9	1246.2	1385.1	1465.6	1494.7	1520.5
22.5°	1739.9	1705.6	1599.4	1338.7	1234.2	1222.2	1230.8	1433.1	1465.6	1486.2	1508.5
25°	1697.0	1667.9	1530.8	1301.1	1201.7	1187.9	1220.5	1428.0	1446.8	1451.9	1496.5
27.5°	1657.7	1619.9	1458.8	1266.8	1162.2	1157.1	1229.1	1405.6	1419.3	1424.5	1472.5
30°	1609.6	1553.0	1378.2	1230.8	1121.1	1119.4	1230.8	1378.2	1374.8	1388.5	1436.5
32.5°	1559.9	1453.6	1287.4	1186.2	1081.6	1079.9	1218.8	1337.0	1333.6	1352.5	1388.5
35°	1513.7	1376.5	1163.9	1134.8	1031.9	1033.6	1189.6	1289.1	1290.8	1307.9	1330.2
37.5°	1465.6	1309.6	1028.5	1078.2	984.0	984.0	1150.2	1244.5	1241.1	1246.2	1277.1
40°	1409.0	1205.1	908.5	1004.5	939.4	934.2	1102.2	1196.5	1184.5	1182.8	1225.6
42.5°	1349.1	1090.2	819.4	906.8	888.0	881.1	1044.0	1138.2	1115.9	1121.1	1175.9
45°	1284.0	1059.4	750.8	766.2	834.8	829.7	980.5	1071.4	1056.0	1069.7	1126.3
47.5°	1218.8	997.7	728.5	635.9	778.2	776.5	910.2	1006.2	997.7	1011.4	1071.4
50°	1129.7	929.1	726.8	545.1	714.8	721.6	826.3	942.8	942.8	954.8	1018.2
52.5°	1014.8	845.1	660.0	493.6	641.1	661.7	752.5	888.0	891.4	903.4	959.9
55°	910.2	757.7	612.0	454.3	553.7	598.3	680.5	831.4	838.2	850.2	901.7
57.5°	814.3	630.8	601.7	407.9	473.1	516.0	617.1	776.5	779.9	790.2	840.0
60°	711.4	456.0	552.0	358.3	402.8	435.4	558.8	711.4	723.3	730.2	773.1
62.5°	594.8	330.8	500.6	324.0	368.6	375.4	510.9	649.6	665.1	670.3	696.0
65°	423.4	277.7	425.1	294.9	332.5	334.2	459.4	586.3	600.0	608.5	627.4
67.5°	286.3	226.3	324.0	267.4	305.1	306.8	409.7	512.6	531.4	538.3	550.2
70°	198.9	150.9	240.0	238.3	274.3	277.7	356.6	445.7	462.8	468.0	474.8
72.5°	145.7	121.7	198.9	214.3	241.7	245.1	301.7	370.3	387.4	392.5	396.0
75°	111.4	128.6	161.1	186.8	205.7	207.4	246.8	301.7	313.7	317.1	318.8
77.5°	89.1	120.0	118.3	150.9	168.0	164.5	193.7	233.1	243.4	243.4	243.4
80°	66.9	94.3	89.1	108.0	123.5	120.0	138.9	166.3	169.7	173.1	171.4
82.5°	49.7	60.0	60.0	68.6	82.3	78.9	92.5	108.0	108.0	108.0	111.4
85°	30.8	34.3	27.4	36.0	46.3	44.6	51.5	58.3	60.0	60.0	56.6
87.5°	18.8	15.4	8.6	13.7	20.5	20.5	24.0	25.7	24.0	24.0	24.0
90°	41.5	28.7	15.9	28.7	41.5	44.6	70.1	104.1	121.2	107.7	80.8
92.5°	280.6	172.1	63.7	172.1	280.6	307.7	432.6	599.0	682.3	597.9	429.3
95°	549.8	351.4	153.0	351.4	549.8	599.4	1064.4	1684.4	1994.4	1779.7	1350.3
97.5°	614.6	439.6	264.6	439.6	614.6	658.4	1433.7	2467.5	2984.3	2848.7	2577.3
100°	668.1	509.4	350.7	509.4	668.1	707.8	1568.2	2715.2	3288.8	3298.7	3318.5
102.5°	720.2	572.1	424.0	572.1	720.2	757.3	1629.8	2793.2	3374.9	3547.8	3893.6
105°	799.3	673.8	548.4	673.8	799.3	830.6	1675.5	2802.1	3365.3	3752.9	4528.0
107.5°	909.8	792.9	676.0	792.9	909.8	939.0	1684.0	2677.3	3174.0	3714.6	4795.8
110°	973.2	867.6	762.0	867.6	973.2	999.6	1671.3	2566.8	3014.6	3619.0	4827.8



TEST NUMBER: P935869

CATALOG NUMBER: SQ4-FA-150U-050D-935-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1047.8	947.2	846.5	947.2	1047.8	1072.9	1671.8	2470.3	2869.5	3488.1	4725.2
115°	1159.7	1066.9	974.1	1066.9	1159.7	1182.9	1687.2	2359.6	2695.8	3291.7	4483.4
117.5°	1268.6	1184.3	1100.0	1184.3	1268.6	1289.7	1718.5	2290.3	2576.2	3114.0	4189.5
120°	1332.0	1252.7	1173.3	1252.7	1332.0	1351.9	1744.0	2266.9	2528.4	3019.7	4002.4
122.5°	1405.2	1325.1	1245.0	1325.1	1405.2	1425.2	1780.8	2254.7	2491.8	2934.2	3819.2
125°	1501.1	1428.0	1355.1	1428.0	1501.1	1519.3	1830.2	2244.7	2451.9	2827.8	3579.5
127.5°	1591.7	1518.0	1444.3	1518.0	1591.7	1610.1	1879.5	2238.8	2418.4	2741.1	3386.6
130°	1650.8	1571.5	1492.2	1571.5	1650.8	1670.7	1915.6	2242.3	2405.6	2692.9	3267.6
132.5°	1700.3	1620.9	1541.6	1620.9	1700.3	1720.1	1944.9	2244.6	2394.5	2651.7	3166.1
135°	1759.5	1687.1	1614.9	1687.1	1759.5	1777.5	1976.8	2242.5	2375.4	2590.8	3021.5
137.5°	1833.0	1761.4	1689.9	1761.4	1833.0	1850.9	2024.6	2256.3	2372.1	2554.2	2918.4
140°	1883.9	1817.9	1752.1	1817.9	1883.9	1900.3	2053.8	2258.6	2361.0	2518.3	2832.9
142.5°	1921.7	1860.8	1799.8	1860.8	1921.7	1936.9	2078.3	2266.7	2361.0	2499.2	2775.5
145°	1979.5	1926.4	1873.2	1926.4	1979.5	1992.7	2110.1	2266.7	2345.0	2458.0	2684.1
147.5°	2049.9	1998.2	1946.5	1998.2	2049.9	2062.9	2156.9	2282.3	2345.0	2434.0	2611.8
150°	2087.9	2041.1	1994.4	2041.1	2087.9	2099.6	2181.4	2290.5	2345.0	2420.2	2570.4
152.5°	2114.6	2079.2	2043.8	2079.2	2114.6	2123.4	2197.3	2295.8	2345.0	2409.2	2537.4
155°	2169.5	2143.4	2117.1	2143.4	2169.5	2176.1	2232.4	2307.5	2345.0	2396.1	2498.1
157.5°	2222.3	2196.8	2171.3	2196.8	2222.3	2228.7	2267.4	2319.1	2345.0	2384.7	2464.1
160°	2247.7	2227.8	2208.0	2227.8	2247.7	2252.6	2283.4	2324.5	2345.0	2379.0	2447.0
162.5°	2274.3	2259.5	2244.6	2259.5	2274.3	2278.1	2300.4	2330.1	2345.0	2373.8	2431.2
165°	2311.4	2297.9	2284.5	2297.9	2311.4	2314.8	2324.9	2338.3	2345.0	2365.6	2406.6
167.5°	2333.9	2327.6	2321.2	2327.6	2333.9	2335.5	2344.0	2355.4	2361.0	2374.4	2401.4
170°	2357.8	2351.4	2345.0	2351.4	2357.8	2359.4	2360.0	2360.6	2361.0	2374.4	2401.4
172.5°	2360.6	2359.2	2357.8	2359.2	2360.6	2361.0	2361.0	2361.0	2361.0	2371.6	2392.9
175°	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2370.6	2364.2	2361.0	2367.7	2381.2
177.5°	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2371.6	2366.7	2364.2	2369.5	2380.1
180°	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4



TEST NUMBER: P935869

CATALOG NUMBER: SQ4-FA-150U-050D-935-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9
2.5°	1748.5	1743.4	1750.2	1731.3	1750.2	1743.4	1748.5	1760.5	1750.2	1757.1	1763.9
5°	1534.2	1525.6	1498.2	1475.9	1498.2	1525.6	1534.2	1570.2	1587.4	1618.2	1659.4
7.5°	1371.4	1364.5	1357.7	1343.9	1357.7	1364.5	1371.4	1381.6	1398.8	1426.2	1457.1
10°	1335.3	1337.0	1347.4	1345.6	1347.4	1337.0	1335.3	1331.9	1326.8	1331.9	1350.8
12.5°	1428.0	1443.4	1499.9	1496.5	1499.9	1443.4	1428.0	1359.4	1313.1	1304.5	1307.9
15°	1534.2	1539.3	1551.3	1553.0	1551.3	1539.3	1534.2	1506.8	1367.9	1307.9	1289.1
17.5°	1544.5	1546.2	1554.7	1554.7	1554.7	1546.2	1544.5	1532.5	1486.2	1405.6	1299.4
20°	1535.9	1539.3	1556.5	1559.9	1556.5	1539.3	1535.9	1520.5	1494.7	1465.6	1385.1
22.5°	1532.5	1539.3	1553.0	1551.3	1553.0	1539.3	1532.5	1508.5	1486.2	1465.6	1433.1
25°	1515.4	1515.4	1517.1	1518.8	1517.1	1515.4	1515.4	1496.5	1451.9	1446.8	1428.0
27.5°	1479.3	1482.7	1493.0	1491.3	1493.0	1482.7	1479.3	1472.5	1424.5	1419.3	1405.6
30°	1446.8	1443.4	1434.8	1428.0	1434.8	1443.4	1446.8	1436.5	1388.5	1374.8	1378.2
32.5°	1391.9	1383.3	1374.8	1369.7	1374.8	1383.3	1391.9	1388.5	1352.5	1333.6	1337.0
35°	1326.8	1328.5	1326.8	1321.6	1326.8	1328.5	1326.8	1330.2	1307.9	1290.8	1289.1
37.5°	1280.5	1284.0	1282.2	1275.4	1282.2	1284.0	1280.5	1277.1	1246.2	1241.1	1244.5
40°	1232.5	1234.2	1232.5	1227.4	1232.5	1234.2	1232.5	1225.6	1182.8	1184.5	1196.5
42.5°	1186.2	1184.5	1179.3	1175.9	1179.3	1184.5	1186.2	1175.9	1121.1	1115.9	1138.2
45°	1133.1	1134.8	1124.5	1119.4	1124.5	1134.8	1133.1	1126.3	1069.7	1056.0	1071.4
47.5°	1079.9	1079.9	1071.4	1066.2	1071.4	1079.9	1079.9	1071.4	1011.4	997.7	1006.2
50°	1023.3	1021.6	1009.6	1007.9	1009.6	1021.6	1023.3	1018.2	954.8	942.8	942.8
52.5°	958.2	958.2	959.9	963.4	959.9	958.2	958.2	959.9	903.4	891.4	888.0
55°	901.7	903.4	915.4	918.8	915.4	903.4	901.7	901.7	850.2	838.2	831.4
57.5°	843.4	843.4	851.9	851.9	851.9	843.4	843.4	840.0	790.2	779.9	776.5
60°	776.5	779.9	786.8	785.1	786.8	779.9	776.5	773.1	730.2	723.3	711.4
62.5°	706.2	709.7	711.4	707.9	711.4	709.7	706.2	696.0	670.3	665.1	649.6
65°	632.5	635.9	637.6	634.2	637.6	635.9	632.5	627.4	608.5	600.0	586.3
67.5°	557.1	555.4	553.7	560.5	553.7	555.4	557.1	550.2	538.3	531.4	512.6
70°	479.9	479.9	478.2	481.7	478.2	479.9	479.9	474.8	468.0	462.8	445.7
72.5°	397.7	396.0	402.8	397.7	402.8	396.0	397.7	396.0	392.5	387.4	370.3
75°	317.1	320.5	317.1	322.2	317.1	320.5	317.1	318.8	317.1	313.7	301.7
77.5°	241.7	245.1	241.7	241.7	241.7	245.1	241.7	243.4	243.4	243.4	233.1
80°	171.4	169.7	169.7	168.0	169.7	169.7	171.4	171.4	173.1	169.7	166.3
82.5°	109.7	108.0	108.0	111.4	108.0	108.0	109.7	111.4	108.0	108.0	108.0
85°	60.0	61.7	58.3	58.3	58.3	61.7	60.0	56.6	60.0	60.0	58.3
87.5°	22.3	20.5	20.5	20.5	20.5	20.5	22.3	24.0	24.0	24.0	25.7
90°	60.6	60.6	60.6	60.6	60.6	60.6	60.6	80.8	107.7	121.2	104.1
92.5°	302.9	290.9	242.6	194.5	242.6	290.9	302.9	429.3	597.9	682.3	599.0
95°	1028.3	991.8	845.8	699.8	845.8	991.8	1028.3	1350.3	1779.7	1994.4	1684.4
97.5°	2373.8	2304.3	2026.6	1748.8	2026.6	2304.3	2373.8	2577.3	2848.7	2984.3	2467.5
100°	3333.4	3250.7	2919.9	2589.0	2919.9	3250.7	3333.4	3318.5	3298.7	3288.8	2715.2
102.5°	4152.9	4082.0	3798.6	3515.2	3798.6	4082.0	4152.9	3893.6	3547.8	3374.9	2793.2
105°	5109.4	5071.3	4919.0	4766.7	4919.0	5071.3	5109.4	4528.0	3752.9	3365.3	2802.1
107.5°	5606.8	5616.0	5652.8	5689.7	5652.8	5616.0	5606.8	4795.8	3714.6	3174.0	2677.3
110°	5734.3	5774.0	5932.7	6091.5	5932.7	5774.0	5734.3	4827.8	3619.0	3014.6	2566.8



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5653.0	5713.9	5957.7	6201.5	5957.7	5713.9	5653.0	4725.2	3488.1	2869.5	2470.3
115°	5377.2	5461.7	5799.6	6137.6	5799.6	5461.7	5377.2	4483.4	3291.7	2695.8	2359.6
117.5°	4996.2	5089.9	5464.7	5839.5	5464.7	5089.9	4996.2	4189.5	3114.0	2576.2	2290.3
120°	4739.5	4830.6	5194.7	5559.0	5194.7	4830.6	4739.5	4002.4	3019.7	2528.4	2266.9
122.5°	4482.9	4572.7	4932.0	5291.2	4932.0	4572.7	4482.9	3819.2	2934.2	2491.8	2254.7
125°	4143.3	4226.0	4556.9	4887.8	4556.9	4226.0	4143.3	3579.5	2827.8	2451.9	2244.7
127.5°	3870.7	3940.5	4219.7	4498.8	4219.7	3940.5	3870.7	3386.6	2741.1	2418.4	2238.8
130°	3698.5	3763.0	4020.9	4278.8	4020.9	3763.0	3698.5	3267.6	2692.9	2405.6	2242.3
132.5°	3551.9	3609.7	3840.6	4071.5	3840.6	3609.7	3551.9	3166.1	2651.7	2394.5	2244.6
135°	3344.6	3394.4	3593.5	3792.6	3593.5	3394.4	3344.6	3021.5	2590.8	2375.4	2242.5
137.5°	3191.6	3232.3	3395.3	3558.2	3395.3	3232.3	3191.6	2918.4	2554.2	2372.1	2256.3
140°	3068.8	3106.9	3259.2	3411.6	3259.2	3106.9	3068.8	2832.9	2518.3	2361.0	2258.6
142.5°	2982.8	3015.6	3146.6	3277.6	3146.6	3015.6	2982.8	2775.5	2499.2	2361.0	2266.7
145°	2853.6	2878.4	2977.7	3076.8	2977.7	2878.4	2853.6	2684.1	2458.0	2345.0	2266.7
147.5°	2745.2	2765.8	2848.0	2930.1	2848.0	2765.8	2745.2	2611.8	2434.0	2345.0	2282.3
150°	2683.0	2699.6	2766.3	2832.9	2766.3	2699.6	2683.0	2570.4	2420.2	2345.0	2290.5
152.5°	2633.6	2646.2	2696.5	2746.8	2696.5	2646.2	2633.6	2537.4	2409.2	2345.0	2295.8
155°	2574.7	2583.0	2616.2	2649.5	2616.2	2583.0	2574.7	2498.1	2396.1	2345.0	2307.5
157.5°	2523.6	2529.5	2552.8	2576.2	2552.8	2529.5	2523.6	2464.1	2384.7	2345.0	2319.1
160°	2498.1	2501.5	2514.9	2528.4	2514.9	2501.5	2498.1	2447.0	2379.0	2345.0	2324.5
162.5°	2474.2	2477.4	2490.1	2502.9	2490.1	2477.4	2474.2	2431.2	2373.8	2345.0	2330.1
165°	2437.5	2440.9	2454.4	2467.8	2454.4	2440.9	2437.5	2406.6	2365.6	2345.0	2338.3
167.5°	2421.6	2423.0	2428.6	2434.3	2428.6	2423.0	2421.6	2401.4	2374.4	2361.0	2355.4
170°	2421.6	2421.6	2421.6	2421.6	2421.6	2421.6	2421.6	2401.4	2374.4	2361.0	2360.6
172.5°	2408.9	2407.6	2402.6	2397.7	2402.6	2407.6	2408.9	2392.9	2371.6	2361.0	2361.0
175°	2391.3	2391.3	2391.3	2391.3	2391.3	2391.3	2391.3	2381.2	2367.7	2361.0	2364.2
177.5°	2388.1	2386.6	2381.0	2375.4	2381.0	2386.6	2388.1	2380.1	2369.5	2364.2	2366.7
180°	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1811.9	1811.9	1811.9	1811.9	1811.9
2.5°	1789.6	1798.1	1803.3	1810.2	1827.3
5°	1721.0	1753.6	1763.9	1789.6	1820.5
7.5°	1570.2	1669.6	1697.0	1758.8	1806.8
10°	1424.5	1523.9	1571.9	1717.6	1789.6
12.5°	1350.8	1409.0	1441.7	1645.6	1765.6
15°	1304.5	1345.6	1369.7	1549.6	1738.2
17.5°	1268.5	1297.7	1314.8	1455.4	1700.5
20°	1246.2	1259.9	1275.4	1386.8	1657.7
22.5°	1230.8	1222.2	1234.2	1338.7	1599.4
25°	1220.5	1187.9	1201.7	1301.1	1530.8
27.5°	1229.1	1157.1	1162.2	1266.8	1458.8
30°	1230.8	1119.4	1121.1	1230.8	1378.2
32.5°	1218.8	1079.9	1081.6	1186.2	1287.4
35°	1189.6	1033.6	1031.9	1134.8	1163.9
37.5°	1150.2	984.0	984.0	1078.2	1028.5
40°	1102.2	934.2	939.4	1004.5	908.5
42.5°	1044.0	881.1	888.0	906.8	819.4
45°	980.5	829.7	834.8	766.2	750.8
47.5°	910.2	776.5	778.2	635.9	728.5
50°	826.3	721.6	714.8	545.1	726.8
52.5°	752.5	661.7	641.1	493.6	660.0
55°	680.5	598.3	553.7	454.3	612.0
57.5°	617.1	516.0	473.1	407.9	601.7
60°	558.8	435.4	402.8	358.3	552.0
62.5°	510.9	375.4	368.6	324.0	500.6
65°	459.4	334.2	332.5	294.9	425.1
67.5°	409.7	306.8	305.1	267.4	324.0
70°	356.6	277.7	274.3	238.3	240.0
72.5°	301.7	245.1	241.7	214.3	198.9
75°	246.8	207.4	205.7	186.8	161.1
77.5°	193.7	164.5	168.0	150.9	118.3
80°	138.9	120.0	123.5	108.0	89.1
82.5°	92.5	78.9	82.3	68.6	60.0
85°	51.5	44.6	46.3	36.0	27.4
87.5°	24.0	20.5	20.5	13.7	8.6
90°	70.1	44.6	41.5	28.7	15.9
92.5°	432.6	307.7	280.6	172.1	63.7
95°	1064.4	599.4	549.8	351.4	153.0
97.5°	1433.7	658.4	614.6	439.6	264.6
100°	1568.2	707.8	668.1	509.4	350.7
102.5°	1629.8	757.3	720.2	572.1	424.0
105°	1675.5	830.6	799.3	673.8	548.4
107.5°	1684.0	939.0	909.8	792.9	676.0
110°	1671.3	999.6	973.2	867.6	762.0



TEST NUMBER: P935869

CATALOG NUMBER: SQ4-FA-150U-050D-935-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1671.8	1072.9	1047.8	947.2	846.5
115°	1687.2	1182.9	1159.7	1066.9	974.1
117.5°	1718.5	1289.7	1268.6	1184.3	1100.0
120°	1744.0	1351.9	1332.0	1252.7	1173.3
122.5°	1780.8	1425.2	1405.2	1325.1	1245.0
125°	1830.2	1519.3	1501.1	1428.0	1355.1
127.5°	1879.5	1610.1	1591.7	1518.0	1444.3
130°	1915.6	1670.7	1650.8	1571.5	1492.2
132.5°	1944.9	1720.1	1700.3	1620.9	1541.6
135°	1976.8	1777.5	1759.5	1687.1	1614.9
137.5°	2024.6	1850.9	1833.0	1761.4	1689.9
140°	2053.8	1900.3	1883.9	1817.9	1752.1
142.5°	2078.3	1936.9	1921.7	1860.8	1799.8
145°	2110.1	1992.7	1979.5	1926.4	1873.2
147.5°	2156.9	2062.9	2049.9	1998.2	1946.5
150°	2181.4	2099.6	2087.9	2041.1	1994.4
152.5°	2197.3	2123.4	2114.6	2079.2	2043.8
155°	2232.4	2176.1	2169.5	2143.4	2117.1
157.5°	2267.4	2228.7	2222.3	2196.8	2171.3
160°	2283.4	2252.6	2247.7	2227.8	2208.0
162.5°	2300.4	2278.1	2274.3	2259.5	2244.6
165°	2324.9	2314.8	2311.4	2297.9	2284.5
167.5°	2344.0	2335.5	2333.9	2327.6	2321.2
170°	2360.0	2359.4	2357.8	2351.4	2345.0
172.5°	2361.0	2361.0	2360.6	2359.2	2357.8
175°	2370.6	2375.4	2375.4	2375.4	2375.4
177.5°	2371.6	2375.4	2375.4	2375.4	2375.4
180°	2375.4	2375.4	2375.4	2375.4	2375.4



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	7.59	8.26	8.75	9.40	11.01	10.44	11.11	11.60	12.25	13.86
	3H	8.05	8.65	9.22	9.80	11.42	11.78	12.37	12.94	13.52	15.15
	4H	8.23	8.80	9.41	9.95	11.58	12.22	12.78	13.39	13.93	15.56
	6H	8.34	8.86	9.52	10.01	11.65	12.50	13.02	13.68	14.17	15.81
	8H	8.34	8.83	9.52	10.00	11.63	12.57	13.06	13.75	14.23	15.86
	12H	8.30	8.77	9.49	9.93	11.58	12.60	13.07	13.79	14.24	15.89
4H	2H	8.60	9.17	9.78	10.32	11.95	10.83	11.39	12.01	12.54	14.17
	3H	9.61	10.08	10.80	11.26	12.90	12.32	12.79	13.50	13.97	15.60
	4H	9.88	10.31	11.07	11.48	13.13	12.84	13.28	14.03	14.44	16.10
	6H	9.99	10.36	11.18	11.55	13.20	13.20	13.57	14.39	14.76	16.41
	8H	9.99	10.34	11.18	11.52	13.18	13.31	13.65	14.50	14.83	16.49
	12H	9.95	10.27	11.16	11.45	13.12	13.36	13.67	14.56	14.86	16.53
8H	4H	10.32	10.67	11.51	11.85	13.51	12.95	13.30	14.14	14.48	16.14
	6H	10.57	10.86	11.78	12.08	13.74	13.38	13.67	14.59	14.89	16.55
	8H	10.61	10.86	11.83	12.06	13.74	13.54	13.79	14.75	14.98	16.66
	12H	10.59	10.81	11.81	12.00	13.71	13.63	13.85	14.85	15.05	16.76
12H	4H	10.32	10.63	11.52	11.82	13.49	12.91	13.22	14.11	14.41	16.08
	6H	10.63	10.88	11.85	12.08	13.76	13.38	13.63	14.59	14.83	16.51
	8H	10.69	10.91	11.91	12.11	13.82	13.54	13.75	14.75	14.95	16.66