

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: P935549

Luminaire Tested: SQ4-FA-125U-075D-930-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935549
REPORT IS A COMBINATION OF REPORTS P933757 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-075D-930-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

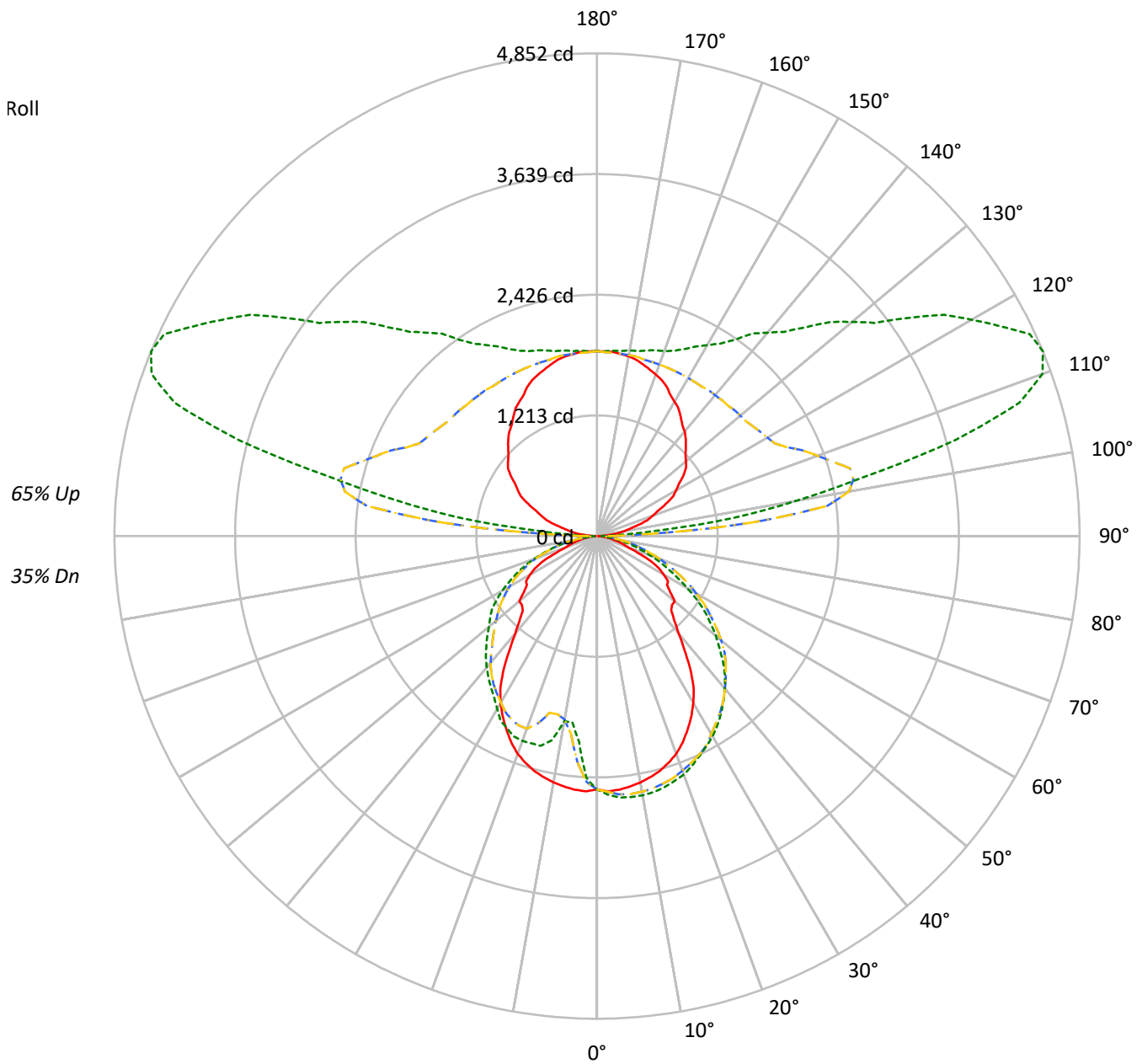
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18656.8 lumens
Efficiency: N/A
Efficacy: 111.9 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: P935549
CATALOG NUMBER: SQ4-FA-125U-075D-930-1D-UNV-STD-W-12

Luminous Intensity Polar Plot



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



TEST NUMBER: P935549

CATALOG NUMBER: SQ4-FA-125U-075D-930-1D-UNV-STD-W-12

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	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35				35
1	95	90	87	83	85	82	79	76	66	64	62	51	50	49	38	37	36	30				30
2	86	79	73	68	78	72	66	62	58	54	51	45	43	41	33	32	30	25				25
3	78	69	62	56	71	63	57	52	51	47	43	40	37	34	29	28	26	21				21
4	72	61	54	48	65	56	49	44	45	40	36	35	32	29	26	24	22	18				18
5	66	54	46	41	59	50	43	38	40	35	31	32	28	25	24	21	19	16				16
6	60	49	41	35	54	44	37	32	36	31	27	29	25	22	21	19	17	14				14
7	56	44	36	31	50	40	33	28	33	28	24	26	22	19	20	17	15	12				12
8	52	40	32	27	47	36	30	25	30	25	21	24	20	17	18	15	13	11				11
9	48	36	29	24	43	33	27	22	27	22	19	22	18	15	16	14	12	10				10
10	45	33	26	21	41	30	24	20	25	20	17	20	16	14	15	13	11	9				9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7876	7876	7876	7876
5°	7938	7951	7938	6251
10°	7888	7832	7888	5599
15°	7805	7662	7805	6398
20°	7645	7461	7645	6411
25°	7314	7168	7314	6276
30°	6884	6925	6884	5977
35°	6140	6617	6140	5649
40°	5120	6254	5120	5401
45°	4577	5830	4577	5117
50°	4867	5324	4867	4831
55°	4583	4778	4583	4665
60°	4730	4058	4730	4273
65°	4296	3355	4296	3750
70°	2982	2674	2982	3143
75°	2624	1976	2624	2367
80°	2131	1307	2131	1423
85°	1248	692	1248	588

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7011 cd/sqm



TEST NUMBER: P935549

CATALOG NUMBER: SQ4-FA-125U-075D-930-1D-UNV-STD-W-12

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.9	1.2
10°-20°	652.6	3.5
20°-30°	1008.8	5.4
30°-40°	1204.3	6.5
40°-50°	1211.4	6.5
50°-60°	1054.0	5.6
60°-70°	747.3	4.0
70°-80°	395.4	2.1
80°-90°	105.6	0.6
90°-100°	905.9	4.9
100°-110°	2381.7	12.8
110°-120°	2469.5	13.2
120°-130°	1980.9	10.6
130°-140°	1554.3	8.3
140°-150°	1193.0	6.4
150°-160°	859.1	4.6
160°-170°	525.7	2.8
170°-180°	177.6	1.0
0°-30°	1891.3	10.1
0°-40°	3095.6	16.6
0°-60°	5361.0	28.7
0°-90°	6609.3	35.4
90°-120°	5757.1	30.9
90°-150°	10485.2	56.2
90°-180°	12048.0	64.6
0°-180°	18656.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2546	2546	2546	2546	2546	
5°	2558	2638	2558	2074	2558	243
15°	2443	2614	2443	2183	2443	687
25°	2151	2438	2151	2134	2151	988
35°	1636	2175	1636	1857	1636	1012
45°	1055	1792	1055	1573	1055	845
55°	860	1322	860	1291	860	790
65°	597	797	597	891	597	571
75°	226	378	226	453	226	238
85°	38	96	38	82	38	52
90°	12	47	12	47	12	12
95°	120	548	120	548	120	133
105°	429	3729	429	3729	429	455
115°	762	4802	762	4802	762	753
125°	1060	3824	1060	3824	1060	941
135°	1264	2967	1264	2967	1264	978
145°	1466	2407	1466	2407	1466	918
155°	1656	2073	1656	2073	1656	761
165°	1787	1931	1787	1931	1787	504
175°	1858	1871	1858	1871	1858	176
180°	1858	1858	1858	1858	1858	



TEST NUMBER: P935549

CATALOG NUMBER: SQ4-FA-125U-075D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4
2.5°	2568.1	2568.1	2582.5	2587.3	2587.3	2580.1	2572.9	2580.1	2601.8	2609.0	2606.6
5°	2558.4	2577.7	2604.2	2609.0	2613.8	2611.4	2606.6	2611.4	2635.5	2640.3	2642.8
7.5°	2539.2	2575.3	2609.0	2616.3	2623.5	2616.3	2613.8	2618.7	2642.8	2647.6	2647.6
10°	2515.1	2565.7	2604.2	2609.0	2616.3	2609.0	2609.0	2618.7	2642.8	2647.6	2650.0
12.5°	2481.4	2551.2	2587.3	2592.2	2601.8	2599.4	2597.0	2606.6	2630.7	2635.5	2635.5
15°	2442.8	2524.7	2558.4	2563.3	2580.1	2575.3	2575.3	2584.9	2611.4	2618.7	2616.3
17.5°	2389.8	2491.0	2529.5	2536.8	2548.8	2546.4	2548.8	2558.4	2582.5	2587.3	2589.8
20°	2329.6	2445.2	2491.0	2498.2	2510.3	2510.3	2510.3	2522.3	2546.4	2556.0	2556.0
22.5°	2247.7	2397.0	2445.2	2450.0	2464.5	2464.5	2469.3	2486.2	2507.8	2510.3	2510.3
25°	2151.3	2344.0	2385.0	2399.4	2413.9	2421.1	2428.4	2438.0	2445.2	2442.8	2445.2
27.5°	2050.1	2276.6	2329.6	2339.2	2358.5	2365.7	2375.4	2377.8	2380.2	2387.4	2382.6
30°	1936.8	2182.6	2262.1	2271.8	2303.1	2307.9	2298.3	2303.1	2315.1	2319.9	2324.8
32.5°	1809.2	2042.8	2192.3	2214.0	2242.9	2228.4	2226.0	2233.2	2252.5	2252.5	2257.3
35°	1635.7	1934.4	2127.2	2146.5	2168.2	2151.3	2161.0	2163.4	2175.4	2182.6	2180.2
37.5°	1445.4	1840.5	2059.7	2074.1	2091.0	2069.3	2083.8	2091.0	2100.6	2095.8	2095.8
40°	1276.8	1693.5	1980.2	1989.8	2004.3	1987.4	2001.9	2006.7	2011.5	2006.7	2004.3
42.5°	1151.5	1532.1	1895.9	1907.9	1898.3	1910.3	1915.2	1924.8	1917.6	1907.9	1907.9
45°	1055.1	1488.8	1804.3	1818.8	1804.3	1823.6	1830.8	1830.8	1809.2	1804.3	1801.9
47.5°	1023.8	1402.0	1712.8	1712.8	1705.6	1729.7	1741.7	1724.8	1703.2	1695.9	1695.9
50°	1021.4	1305.7	1587.5	1577.9	1611.6	1640.5	1628.5	1611.6	1594.8	1568.3	1568.3
52.5°	927.5	1187.6	1426.1	1462.3	1515.3	1532.1	1512.9	1496.0	1467.1	1455.0	1445.4
55°	860.0	1064.8	1279.2	1351.4	1406.9	1428.5	1392.4	1375.5	1332.2	1325.0	1320.1
57.5°	845.6	886.5	1144.3	1235.8	1303.3	1300.9	1279.2	1247.9	1211.7	1204.5	1202.1
60°	775.7	640.8	999.7	1108.1	1178.0	1170.8	1151.5	1122.6	1088.9	1084.0	1079.2
62.5°	703.4	464.9	835.9	958.8	1057.6	1055.1	1038.3	994.9	970.8	958.8	949.1
65°	597.4	390.3	595.0	797.4	939.5	944.3	908.2	876.9	850.4	835.9	833.5
67.5°	455.3	318.0	402.3	664.9	826.3	821.5	775.7	761.2	727.5	720.3	705.8
70°	337.3	212.0	279.4	539.6	715.5	703.4	667.3	650.4	619.1	602.2	592.6
72.5°	279.4	171.0	204.8	419.2	602.2	587.8	556.5	537.2	510.7	496.3	486.6
75°	226.4	180.7	156.6	310.8	489.0	479.4	450.5	431.2	409.5	390.3	392.7
77.5°	166.2	168.6	125.3	228.9	387.8	373.4	356.5	332.4	322.8	303.5	303.5
80°	125.3	132.5	94.0	156.6	279.4	279.4	265.0	248.1	231.3	221.6	221.6
82.5°	84.3	84.3	69.9	98.8	190.3	183.1	173.4	168.6	159.0	154.2	154.2
85°	38.5	48.2	43.4	60.2	103.6	108.4	108.4	103.6	101.2	96.4	98.8
87.5°	12.0	21.7	26.5	33.7	53.0	55.4	57.8	57.8	57.8	60.2	60.2
90°	12.4	22.4	32.4	34.9	54.8	81.4	94.8	84.2	63.2	47.4	47.4
92.5°	49.9	134.7	219.5	240.7	338.5	468.7	533.8	467.8	335.9	237.0	227.6
95°	119.7	274.9	430.2	469.0	832.7	1317.8	1560.3	1392.3	1056.4	804.5	775.9
97.5°	207.0	343.9	480.9	515.1	1121.7	1930.5	2334.9	2228.7	2016.4	1857.2	1802.8
100°	274.4	398.6	522.8	553.8	1226.9	2124.4	2573.1	2580.9	2596.4	2608.1	2543.3
102.5°	331.8	447.7	563.5	592.5	1275.2	2185.4	2640.5	2775.7	3046.3	3249.2	3193.8
105°	429.0	527.2	625.3	649.9	1310.9	2192.3	2633.0	2936.2	3542.7	3997.5	3967.7
107.5°	528.9	620.3	711.8	734.7	1317.6	2094.8	2483.4	2906.3	3752.2	4386.6	4393.9
110°	596.2	678.8	761.4	782.0	1307.5	2008.2	2358.6	2831.5	3777.2	4486.4	4517.5



TEST NUMBER: P935549

CATALOG NUMBER: SQ4-FA-125U-075D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	662.3	741.0	819.7	839.4	1307.9	1932.7	2245.1	2729.1	3696.9	4422.8	4470.5
115°	762.0	834.6	907.3	925.5	1320.1	1846.1	2109.2	2575.4	3507.7	4207.1	4273.2
117.5°	860.7	926.6	992.6	1009.0	1344.5	1791.9	2015.6	2436.4	3277.8	3908.9	3982.2
120°	918.0	980.1	1042.2	1057.7	1364.5	1773.7	1978.2	2362.7	3131.5	3708.2	3779.4
122.5°	974.1	1036.8	1099.4	1115.0	1393.2	1764.1	1949.5	2295.7	2988.0	3507.3	3577.6
125°	1060.2	1117.3	1174.4	1188.7	1431.9	1756.2	1918.3	2212.3	2800.5	3241.6	3306.4
127.5°	1130.1	1187.7	1245.4	1259.7	1470.5	1751.6	1892.1	2144.6	2649.6	3028.4	3083.0
130°	1167.5	1229.6	1291.6	1307.1	1498.8	1754.4	1882.2	2106.9	2556.5	2893.7	2944.1
132.5°	1206.1	1268.2	1330.3	1345.8	1521.7	1756.2	1873.4	2074.6	2477.1	2778.9	2824.2
135°	1263.5	1320.1	1376.6	1390.7	1546.7	1754.6	1858.5	2027.0	2364.0	2616.8	2655.8
137.5°	1322.1	1378.1	1434.1	1448.0	1584.0	1765.3	1856.0	1998.4	2283.3	2497.0	2528.9
140°	1370.7	1422.3	1473.8	1486.8	1606.9	1767.1	1847.2	1970.2	2216.4	2401.0	2430.8
142.5°	1408.1	1455.8	1503.5	1515.4	1626.0	1773.5	1847.2	1955.3	2171.6	2333.7	2359.3
145°	1465.6	1507.2	1548.7	1559.1	1651.0	1773.5	1834.8	1923.2	2100.0	2232.6	2252.0
147.5°	1522.9	1563.4	1603.8	1613.9	1687.6	1785.7	1834.8	1904.3	2043.5	2147.8	2163.8
150°	1560.3	1596.9	1633.5	1642.7	1706.7	1792.1	1834.8	1893.6	2011.0	2099.1	2112.1
152.5°	1599.0	1626.7	1654.5	1661.4	1719.2	1796.2	1834.8	1885.0	1985.3	2060.5	2070.4
155°	1656.3	1676.9	1697.4	1702.5	1746.6	1805.4	1834.8	1874.7	1954.5	2014.3	2020.8
157.5°	1698.8	1718.7	1738.7	1743.7	1774.1	1814.5	1834.8	1865.8	1927.8	1974.4	1979.0
160°	1727.5	1743.0	1758.6	1762.4	1786.5	1818.7	1834.8	1861.4	1914.6	1954.5	1957.2
162.5°	1756.2	1767.8	1779.4	1782.3	1799.8	1823.1	1834.8	1857.3	1902.1	1935.8	1938.3
165°	1787.3	1797.8	1808.4	1811.0	1819.0	1829.5	1834.8	1850.8	1883.0	1907.0	1909.7
167.5°	1816.1	1821.0	1826.0	1827.2	1833.9	1842.8	1847.2	1857.7	1878.8	1894.6	1895.7
170°	1834.8	1839.8	1844.7	1845.9	1846.3	1846.9	1847.2	1857.7	1878.8	1894.6	1894.6
172.5°	1844.7	1845.9	1847.0	1847.2	1847.2	1847.2	1847.2	1855.6	1872.2	1884.6	1883.7
175°	1858.5	1858.5	1858.5	1858.5	1854.7	1849.7	1847.2	1852.5	1863.0	1870.9	1870.9
177.5°	1858.5	1858.5	1858.5	1858.5	1855.6	1851.6	1849.7	1853.9	1862.2	1868.4	1867.3
180°	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5



TEST NUMBER: P935549

CATALOG NUMBER: SQ4-FA-125U-075D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4
2.5°	2611.4	2604.2	2611.4	2606.6	2609.0	2601.8	2580.1	2572.9	2580.1	2587.3	2587.3
5°	2642.8	2637.9	2642.8	2642.8	2640.3	2635.5	2611.4	2606.6	2611.4	2613.8	2609.0
7.5°	2652.4	2645.2	2652.4	2647.6	2647.6	2642.8	2618.7	2613.8	2616.3	2623.5	2616.3
10°	2652.4	2645.2	2652.4	2650.0	2647.6	2642.8	2618.7	2609.0	2609.0	2616.3	2609.0
12.5°	2640.3	2635.5	2640.3	2635.5	2635.5	2630.7	2606.6	2597.0	2599.4	2601.8	2592.2
15°	2621.1	2613.8	2621.1	2616.3	2618.7	2611.4	2584.9	2575.3	2575.3	2580.1	2563.3
17.5°	2592.2	2582.5	2592.2	2589.8	2587.3	2582.5	2558.4	2548.8	2546.4	2548.8	2536.8
20°	2558.4	2551.2	2558.4	2556.0	2556.0	2546.4	2522.3	2510.3	2510.3	2510.3	2498.2
22.5°	2505.4	2498.2	2505.4	2510.3	2510.3	2507.8	2486.2	2469.3	2464.5	2464.5	2450.0
25°	2445.2	2438.0	2445.2	2445.2	2442.8	2445.2	2438.0	2428.4	2421.1	2413.9	2399.4
27.5°	2387.4	2382.6	2387.4	2382.6	2387.4	2380.2	2377.8	2375.4	2365.7	2358.5	2339.2
30°	2329.6	2324.8	2329.6	2324.8	2319.9	2315.1	2303.1	2298.3	2307.9	2303.1	2271.8
32.5°	2257.3	2252.5	2257.3	2257.3	2252.5	2252.5	2233.2	2226.0	2228.4	2242.9	2214.0
35°	2182.6	2175.4	2182.6	2180.2	2182.6	2175.4	2163.4	2161.0	2151.3	2168.2	2146.5
37.5°	2095.8	2088.6	2095.8	2095.8	2095.8	2100.6	2091.0	2083.8	2069.3	2091.0	2074.1
40°	2006.7	1997.1	2006.7	2004.3	2006.7	2011.5	2006.7	2001.9	1987.4	2004.3	1989.8
42.5°	1905.5	1903.1	1905.5	1907.9	1907.9	1917.6	1924.8	1915.2	1910.3	1898.3	1907.9
45°	1797.1	1792.3	1797.1	1801.9	1804.3	1809.2	1830.8	1830.8	1823.6	1804.3	1818.8
47.5°	1681.5	1669.4	1681.5	1695.9	1695.9	1703.2	1724.8	1741.7	1729.7	1705.6	1712.8
50°	1558.6	1561.0	1558.6	1568.3	1568.3	1594.8	1611.6	1628.5	1640.5	1611.6	1577.9
52.5°	1438.2	1435.8	1438.2	1445.4	1455.0	1467.1	1496.0	1512.9	1532.1	1515.3	1462.3
55°	1317.7	1322.5	1317.7	1320.1	1325.0	1332.2	1375.5	1392.4	1428.5	1406.9	1351.4
57.5°	1197.3	1190.0	1197.3	1202.1	1204.5	1211.7	1247.9	1279.2	1300.9	1303.3	1235.8
60°	1057.6	1047.9	1057.6	1079.2	1084.0	1088.9	1122.6	1151.5	1170.8	1178.0	1108.1
62.5°	934.7	917.8	934.7	949.1	958.8	970.8	994.9	1038.3	1055.1	1057.6	958.8
65°	804.6	797.4	804.6	833.5	835.9	850.4	876.9	908.2	944.3	939.5	797.4
67.5°	686.6	686.6	686.6	705.8	720.3	727.5	761.2	775.7	821.5	826.3	664.9
70°	578.2	575.8	578.2	592.6	602.2	619.1	650.4	667.3	703.4	715.5	539.6
72.5°	474.6	472.2	474.6	486.6	496.3	510.7	537.2	556.5	587.8	602.2	419.2
75°	383.0	378.2	383.0	392.7	390.3	409.5	431.2	450.5	479.4	489.0	310.8
77.5°	293.9	293.9	293.9	303.5	303.5	322.8	332.4	356.5	373.4	387.8	228.9
80°	219.2	216.8	219.2	221.6	221.6	231.3	248.1	265.0	279.4	279.4	156.6
82.5°	154.2	149.4	154.2	154.2	154.2	159.0	168.6	173.4	183.1	190.3	98.8
85°	96.4	96.4	96.4	98.8	96.4	101.2	103.6	108.4	108.4	103.6	60.2
87.5°	62.6	60.2	62.6	60.2	60.2	57.8	57.8	57.8	55.4	53.0	33.7
90°	47.4	47.4	47.4	47.4	47.4	63.2	84.2	94.8	81.4	54.8	34.9
92.5°	189.8	152.2	189.8	227.6	237.0	335.9	467.8	533.8	468.7	338.5	240.7
95°	661.8	547.6	661.8	775.9	804.5	1056.4	1392.3	1560.3	1317.8	832.7	469.0
97.5°	1585.5	1368.2	1585.5	1802.8	1857.2	2016.4	2228.7	2334.9	1930.5	1121.7	515.1
100°	2284.5	2025.6	2284.5	2543.3	2608.1	2596.4	2580.9	2573.1	2124.4	1226.9	553.8
102.5°	2972.0	2750.3	2972.0	3193.8	3249.2	3046.3	2775.7	2640.5	2185.4	1275.2	592.5
105°	3848.5	3729.4	3848.5	3967.7	3997.5	3542.7	2936.2	2633.0	2192.3	1310.9	649.9
107.5°	4422.7	4451.5	4422.7	4393.9	4386.6	3752.2	2906.3	2483.4	2094.8	1317.6	734.7
110°	4641.7	4765.8	4641.7	4517.5	4486.4	3777.2	2831.5	2358.6	2008.2	1307.5	782.0



TEST NUMBER: P935549

CATALOG NUMBER: SQ4-FA-125U-075D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4661.2	4851.9	4661.2	4470.5	4422.8	3696.9	2729.1	2245.1	1932.7	1307.9	839.4
115°	4537.6	4802.0	4537.6	4273.2	4207.1	3507.7	2575.4	2109.2	1846.1	1320.1	925.5
117.5°	4275.5	4568.7	4275.5	3982.2	3908.9	3277.8	2436.4	2015.6	1791.9	1344.5	1009.0
120°	4064.3	4349.2	4064.3	3779.4	3708.2	3131.5	2362.7	1978.2	1773.7	1364.5	1057.7
122.5°	3858.7	4139.7	3858.7	3577.6	3507.3	2988.0	2295.7	1949.5	1764.1	1393.2	1115.0
125°	3565.2	3824.1	3565.2	3306.4	3241.6	2800.5	2212.3	1918.3	1756.2	1431.9	1188.7
127.5°	3301.4	3519.8	3301.4	3083.0	3028.4	2649.6	2144.6	1892.1	1751.6	1470.5	1259.7
130°	3145.9	3347.7	3145.9	2944.1	2893.7	2556.5	2106.9	1882.2	1754.4	1498.8	1307.1
132.5°	3004.8	3185.5	3004.8	2824.2	2778.9	2477.1	2074.6	1873.4	1756.2	1521.7	1345.8
135°	2811.5	2967.2	2811.5	2655.8	2616.8	2364.0	2027.0	1858.5	1754.6	1546.7	1390.7
137.5°	2656.4	2783.9	2656.4	2528.9	2497.0	2283.3	1998.4	1856.0	1765.3	1584.0	1448.0
140°	2550.0	2669.2	2550.0	2430.8	2401.0	2216.4	1970.2	1847.2	1767.1	1606.9	1486.8
142.5°	2461.8	2564.4	2461.8	2359.3	2333.7	2171.6	1955.3	1847.2	1773.5	1626.0	1515.4
145°	2329.6	2407.2	2329.6	2252.0	2232.6	2100.0	1923.2	1834.8	1773.5	1651.0	1559.1
147.5°	2228.2	2292.5	2228.2	2163.8	2147.8	2043.5	1904.3	1834.8	1785.7	1687.6	1613.9
150°	2164.3	2216.4	2164.3	2112.1	2099.1	2011.0	1893.6	1834.8	1792.1	1706.7	1642.7
152.5°	2109.7	2149.1	2109.7	2070.4	2060.5	1985.3	1885.0	1834.8	1796.2	1719.2	1661.4
155°	2046.9	2072.9	2046.9	2020.8	2014.3	1954.5	1874.7	1834.8	1805.4	1746.6	1702.5
157.5°	1997.3	2015.6	1997.3	1979.0	1974.4	1927.8	1865.8	1834.8	1814.5	1774.1	1743.7
160°	1967.7	1978.2	1967.7	1957.2	1954.5	1914.6	1861.4	1834.8	1818.7	1786.5	1762.4
162.5°	1948.2	1958.2	1948.2	1938.3	1935.8	1902.1	1857.3	1834.8	1823.1	1799.8	1782.3
165°	1920.2	1930.8	1920.2	1909.7	1907.0	1883.0	1850.8	1834.8	1829.5	1819.0	1811.0
167.5°	1900.1	1904.6	1900.1	1895.7	1894.6	1878.8	1857.7	1847.2	1842.8	1833.9	1827.2
170°	1894.6	1894.6	1894.6	1894.6	1894.6	1878.8	1857.7	1847.2	1846.9	1846.3	1845.9
172.5°	1879.7	1875.9	1879.7	1883.7	1884.6	1872.2	1855.6	1847.2	1847.2	1847.2	1847.2
175°	1870.9	1870.9	1870.9	1870.9	1870.9	1863.0	1852.5	1847.2	1849.7	1854.7	1858.5
177.5°	1862.9	1858.5	1862.9	1867.3	1868.4	1862.2	1853.9	1849.7	1851.6	1855.6	1858.5
180°	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5



TEST NUMBER: P935549

CATALOG NUMBER: SQ4-FA-125U-075D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4
2.5°	2582.5	2568.1	2568.1	2544.0	2534.3	2527.1	2515.1	2478.9	2469.3	2459.7	2474.1
5°	2604.2	2577.7	2558.4	2515.1	2478.9	2464.5	2418.7	2332.0	2274.2	2230.8	2206.7
7.5°	2609.0	2575.3	2539.2	2471.7	2385.0	2346.4	2206.7	2047.6	2004.3	1965.7	1941.7
10°	2604.2	2565.7	2515.1	2413.9	2209.1	2141.7	2001.9	1898.3	1871.8	1864.6	1871.8
12.5°	2587.3	2551.2	2481.4	2312.7	2026.0	1980.2	1898.3	1838.1	1833.2	1845.3	1910.3
15°	2558.4	2524.7	2442.8	2177.8	1924.8	1891.1	1833.2	1811.6	1838.1	1922.4	2117.5
17.5°	2529.5	2491.0	2389.8	2045.2	1847.7	1823.6	1782.7	1826.0	1975.4	2088.6	2153.7
20°	2491.0	2445.2	2329.6	1948.9	1792.3	1770.6	1751.3	1946.5	2059.7	2100.6	2136.9
22.5°	2445.2	2397.0	2247.7	1881.4	1734.5	1717.6	1729.7	2013.9	2059.7	2088.6	2119.9
25°	2385.0	2344.0	2151.3	1828.4	1688.7	1669.4	1715.2	2006.7	2033.2	2040.4	2103.1
27.5°	2329.6	2276.6	2050.1	1780.3	1633.3	1626.1	1727.3	1975.4	1994.7	2001.9	2069.3
30°	2262.1	2182.6	1936.8	1729.7	1575.5	1573.1	1729.7	1936.8	1932.0	1951.3	2018.7
32.5°	2192.3	2042.8	1809.2	1667.0	1520.1	1517.7	1712.8	1879.0	1874.2	1900.7	1951.3
35°	2127.2	1934.4	1635.7	1594.8	1450.2	1452.6	1671.8	1811.6	1814.0	1838.1	1869.4
37.5°	2059.7	1840.5	1445.4	1515.3	1382.8	1382.8	1616.4	1748.9	1744.1	1751.3	1794.7
40°	1980.2	1693.5	1276.8	1411.7	1320.1	1312.9	1549.0	1681.5	1664.6	1662.2	1722.4
42.5°	1895.9	1532.1	1151.5	1274.4	1247.9	1238.2	1467.1	1599.6	1568.3	1575.5	1652.6
45°	1804.3	1488.8	1055.1	1076.8	1173.2	1166.0	1377.9	1505.6	1483.9	1503.2	1582.7
47.5°	1712.8	1402.0	1023.8	893.7	1093.7	1091.3	1279.2	1414.1	1402.0	1421.3	1505.6
50°	1587.5	1305.7	1021.4	766.1	1004.6	1014.2	1161.1	1325.0	1325.0	1341.8	1430.9
52.5°	1426.1	1187.6	927.5	693.8	901.0	929.9	1057.6	1247.9	1252.7	1269.5	1349.0
55°	1279.2	1064.8	860.0	638.4	778.1	840.7	956.4	1168.4	1178.0	1194.9	1267.1
57.5°	1144.3	886.5	845.6	573.3	664.9	725.1	867.2	1091.3	1096.1	1110.5	1180.4
60°	999.7	640.8	775.7	503.5	566.1	611.9	785.3	999.7	1016.6	1026.2	1086.5
62.5°	835.9	464.9	703.4	455.3	517.9	527.6	717.9	913.0	934.7	941.9	978.1
65°	595.0	390.3	597.4	414.3	467.3	469.8	645.6	823.9	843.2	855.2	881.7
67.5°	402.3	318.0	455.3	375.8	428.8	431.2	575.8	720.3	746.8	756.4	773.3
70°	279.4	212.0	337.3	334.9	385.4	390.3	501.1	626.3	650.4	657.7	667.3
72.5°	204.8	171.0	279.4	301.1	339.7	344.5	424.0	520.3	544.4	551.7	556.5
75°	156.6	180.7	226.4	262.6	289.1	291.5	346.9	424.0	440.8	445.7	448.1
77.5°	125.3	168.6	166.2	212.0	236.1	231.3	272.2	327.6	342.1	342.1	342.1
80°	94.0	132.5	125.3	151.8	173.4	168.6	195.1	233.7	238.5	243.3	240.9
82.5°	69.9	84.3	84.3	96.4	115.6	110.8	130.1	151.8	151.8	151.8	156.6
85°	43.4	48.2	38.5	50.6	65.0	62.6	72.3	81.9	84.3	84.3	79.5
87.5°	26.5	21.7	12.0	19.3	28.9	28.9	33.7	36.1	33.7	33.7	33.7
90°	32.4	22.4	12.4	22.4	32.4	34.9	54.8	81.4	94.8	84.2	63.2
92.5°	219.5	134.7	49.9	134.7	219.5	240.7	338.5	468.7	533.8	467.8	335.9
95°	430.2	274.9	119.7	274.9	430.2	469.0	832.7	1317.8	1560.3	1392.3	1056.4
97.5°	480.9	343.9	207.0	343.9	480.9	515.1	1121.7	1930.5	2334.9	2228.7	2016.4
100°	522.8	398.6	274.4	398.6	522.8	553.8	1226.9	2124.4	2573.1	2580.9	2596.4
102.5°	563.5	447.7	331.8	447.7	563.5	592.5	1275.2	2185.4	2640.5	2775.7	3046.3
105°	625.3	527.2	429.0	527.2	625.3	649.9	1310.9	2192.3	2633.0	2936.2	3542.7
107.5°	711.8	620.3	528.9	620.3	711.8	734.7	1317.6	2094.8	2483.4	2906.3	3752.2
110°	761.4	678.8	596.2	678.8	761.4	782.0	1307.5	2008.2	2358.6	2831.5	3777.2



TEST NUMBER: P935549

CATALOG NUMBER: SQ4-FA-125U-075D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	819.7	741.0	662.3	741.0	819.7	839.4	1307.9	1932.7	2245.1	2729.1	3696.9
115°	907.3	834.6	762.0	834.6	907.3	925.5	1320.1	1846.1	2109.2	2575.4	3507.7
117.5°	992.6	926.6	860.7	926.6	992.6	1009.0	1344.5	1791.9	2015.6	2436.4	3277.8
120°	1042.2	980.1	918.0	980.1	1042.2	1057.7	1364.5	1773.7	1978.2	2362.7	3131.5
122.5°	1099.4	1036.8	974.1	1036.8	1099.4	1115.0	1393.2	1764.1	1949.5	2295.7	2988.0
125°	1174.4	1117.3	1060.2	1117.3	1174.4	1188.7	1431.9	1756.2	1918.3	2212.3	2800.5
127.5°	1245.4	1187.7	1130.1	1187.7	1245.4	1259.7	1470.5	1751.6	1892.1	2144.6	2649.6
130°	1291.6	1229.6	1167.5	1229.6	1291.6	1307.1	1498.8	1754.4	1882.2	2106.9	2556.5
132.5°	1330.3	1268.2	1206.1	1268.2	1330.3	1345.8	1521.7	1756.2	1873.4	2074.6	2477.1
135°	1376.6	1320.1	1263.5	1320.1	1376.6	1390.7	1546.7	1754.6	1858.5	2027.0	2364.0
137.5°	1434.1	1378.1	1322.1	1378.1	1434.1	1448.0	1584.0	1765.3	1856.0	1998.4	2283.3
140°	1473.8	1422.3	1370.7	1422.3	1473.8	1486.8	1606.9	1767.1	1847.2	1970.2	2216.4
142.5°	1503.5	1455.8	1408.1	1455.8	1503.5	1515.4	1626.0	1773.5	1847.2	1955.3	2171.6
145°	1548.7	1507.2	1465.6	1507.2	1548.7	1559.1	1651.0	1773.5	1834.8	1923.2	2100.0
147.5°	1603.8	1563.4	1522.9	1563.4	1603.8	1613.9	1687.6	1785.7	1834.8	1904.3	2043.5
150°	1633.5	1596.9	1560.3	1596.9	1633.5	1642.7	1706.7	1792.1	1834.8	1893.6	2011.0
152.5°	1654.5	1626.7	1599.0	1626.7	1654.5	1661.4	1719.2	1796.2	1834.8	1885.0	1985.3
155°	1697.4	1676.9	1656.3	1676.9	1697.4	1702.5	1746.6	1805.4	1834.8	1874.7	1954.5
157.5°	1738.7	1718.7	1698.8	1718.7	1738.7	1743.7	1774.1	1814.5	1834.8	1865.8	1927.8
160°	1758.6	1743.0	1727.5	1743.0	1758.6	1762.4	1786.5	1818.7	1834.8	1861.4	1914.6
162.5°	1779.4	1767.8	1756.2	1767.8	1779.4	1782.3	1799.8	1823.1	1834.8	1857.3	1902.1
165°	1808.4	1797.8	1787.3	1797.8	1808.4	1811.0	1819.0	1829.5	1834.8	1850.8	1883.0
167.5°	1826.0	1821.0	1816.1	1821.0	1826.0	1827.2	1833.9	1842.8	1847.2	1857.7	1878.8
170°	1844.7	1839.8	1834.8	1839.8	1844.7	1845.9	1846.3	1846.9	1847.2	1857.7	1878.8
172.5°	1847.0	1845.9	1844.7	1845.9	1847.0	1847.2	1847.2	1847.2	1847.2	1855.6	1872.2
175°	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1854.7	1849.7	1847.2	1852.5	1863.0
177.5°	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1855.6	1851.6	1849.7	1853.9	1862.2
180°	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5



TEST NUMBER: P935549
 CATALOG NUMBER: SQ4-FA-125U-075D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4
2.5°	2457.3	2450.0	2459.7	2433.2	2459.7	2450.0	2457.3	2474.1	2459.7	2469.3	2478.9
5°	2156.1	2144.1	2105.5	2074.1	2105.5	2144.1	2156.1	2206.7	2230.8	2274.2	2332.0
7.5°	1927.2	1917.6	1907.9	1888.7	1907.9	1917.6	1927.2	1941.7	1965.7	2004.3	2047.6
10°	1876.6	1879.0	1893.5	1891.1	1893.5	1879.0	1876.6	1871.8	1864.6	1871.8	1898.3
12.5°	2006.7	2028.4	2107.9	2103.1	2107.9	2028.4	2006.7	1910.3	1845.3	1833.2	1838.1
15°	2156.1	2163.4	2180.2	2182.6	2180.2	2163.4	2156.1	2117.5	1922.4	1838.1	1811.6
17.5°	2170.6	2173.0	2185.0	2185.0	2185.0	2173.0	2170.6	2153.7	2088.6	1975.4	1826.0
20°	2158.5	2163.4	2187.5	2192.3	2187.5	2163.4	2158.5	2136.9	2100.6	2059.7	1946.5
22.5°	2153.7	2163.4	2182.6	2180.2	2182.6	2163.4	2153.7	2119.9	2088.6	2059.7	2013.9
25°	2129.6	2129.6	2132.0	2134.5	2132.0	2129.6	2129.6	2103.1	2040.4	2033.2	2006.7
27.5°	2079.0	2083.8	2098.2	2095.8	2098.2	2083.8	2079.0	2069.3	2001.9	1994.7	1975.4
30°	2033.2	2028.4	2016.3	2006.7	2016.3	2028.4	2033.2	2018.7	1951.3	1932.0	1936.8
32.5°	1956.1	1944.1	1932.0	1924.8	1932.0	1944.1	1956.1	1951.3	1900.7	1874.2	1879.0
35°	1864.6	1867.0	1864.6	1857.3	1864.6	1867.0	1864.6	1869.4	1838.1	1814.0	1811.6
37.5°	1799.5	1804.3	1801.9	1792.3	1801.9	1804.3	1799.5	1794.7	1751.3	1744.1	1748.9
40°	1732.1	1734.5	1732.1	1724.8	1732.1	1734.5	1732.1	1722.4	1662.2	1664.6	1681.5
42.5°	1667.0	1664.6	1657.4	1652.6	1657.4	1664.6	1667.0	1652.6	1575.5	1568.3	1599.6
45°	1592.3	1594.8	1580.3	1573.1	1580.3	1594.8	1592.3	1582.7	1503.2	1483.9	1505.6
47.5°	1517.7	1517.7	1505.6	1498.4	1505.6	1517.7	1517.7	1505.6	1421.3	1402.0	1414.1
50°	1438.2	1435.8	1418.9	1416.5	1418.9	1435.8	1438.2	1430.9	1341.8	1325.0	1325.0
52.5°	1346.6	1346.6	1349.0	1353.9	1349.0	1346.6	1346.6	1349.0	1269.5	1252.7	1247.9
55°	1267.1	1269.5	1286.4	1291.2	1286.4	1269.5	1267.1	1267.1	1194.9	1178.0	1168.4
57.5°	1185.2	1185.2	1197.3	1197.3	1197.3	1185.2	1185.2	1180.4	1110.5	1096.1	1091.3
60°	1091.3	1096.1	1105.7	1103.3	1105.7	1096.1	1091.3	1086.5	1026.2	1016.6	999.7
62.5°	992.5	997.3	999.7	994.9	999.7	997.3	992.5	978.1	941.9	934.7	913.0
65°	888.9	893.7	896.1	891.3	896.1	893.7	888.9	881.7	855.2	843.2	823.9
67.5°	782.9	780.5	778.1	787.7	778.1	780.5	782.9	773.3	756.4	746.8	720.3
70°	674.5	674.5	672.1	676.9	672.1	674.5	674.5	667.3	657.7	650.4	626.3
72.5°	558.9	556.5	566.1	558.9	566.1	556.5	558.9	556.5	551.7	544.4	520.3
75°	445.7	450.5	445.7	452.9	445.7	450.5	445.7	448.1	445.7	440.8	424.0
77.5°	339.7	344.5	339.7	339.7	339.7	344.5	339.7	342.1	342.1	342.1	327.6
80°	240.9	238.5	238.5	236.1	238.5	238.5	240.9	240.9	243.3	238.5	233.7
82.5°	154.2	151.8	151.8	156.6	151.8	151.8	154.2	156.6	151.8	151.8	151.8
85°	84.3	86.7	81.9	81.9	81.9	86.7	84.3	79.5	84.3	84.3	81.9
87.5°	31.3	28.9	28.9	28.9	28.9	28.9	31.3	33.7	33.7	33.7	36.1
90°	47.4	47.4	47.4	47.4	47.4	47.4	47.4	63.2	84.2	94.8	81.4
92.5°	237.0	227.6	189.8	152.2	189.8	227.6	237.0	335.9	467.8	533.8	468.7
95°	804.5	775.9	661.8	547.6	661.8	775.9	804.5	1056.4	1392.3	1560.3	1317.8
97.5°	1857.2	1802.8	1585.5	1368.2	1585.5	1802.8	1857.2	2016.4	2228.7	2334.9	1930.5
100°	2608.1	2543.3	2284.5	2025.6	2284.5	2543.3	2608.1	2596.4	2580.9	2573.1	2124.4
102.5°	3249.2	3193.8	2972.0	2750.3	2972.0	3193.8	3249.2	3046.3	2775.7	2640.5	2185.4
105°	3997.5	3967.7	3848.5	3729.4	3848.5	3967.7	3997.5	3542.7	2936.2	2633.0	2192.3
107.5°	4386.6	4393.9	4422.7	4451.5	4422.7	4393.9	4386.6	3752.2	2906.3	2483.4	2094.8
110°	4486.4	4517.5	4641.7	4765.8	4641.7	4517.5	4486.4	3777.2	2831.5	2358.6	2008.2



TEST NUMBER: P935549

CATALOG NUMBER: SQ4-FA-125U-075D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4422.8	4470.5	4661.2	4851.9	4661.2	4470.5	4422.8	3696.9	2729.1	2245.1	1932.7
115°	4207.1	4273.2	4537.6	4802.0	4537.6	4273.2	4207.1	3507.7	2575.4	2109.2	1846.1
117.5°	3908.9	3982.2	4275.5	4568.7	4275.5	3982.2	3908.9	3277.8	2436.4	2015.6	1791.9
120°	3708.2	3779.4	4064.3	4349.2	4064.3	3779.4	3708.2	3131.5	2362.7	1978.2	1773.7
122.5°	3507.3	3577.6	3858.7	4139.7	3858.7	3577.6	3507.3	2988.0	2295.7	1949.5	1764.1
125°	3241.6	3306.4	3565.2	3824.1	3565.2	3306.4	3241.6	2800.5	2212.3	1918.3	1756.2
127.5°	3028.4	3083.0	3301.4	3519.8	3301.4	3083.0	3028.4	2649.6	2144.6	1892.1	1751.6
130°	2893.7	2944.1	3145.9	3347.7	3145.9	2944.1	2893.7	2556.5	2106.9	1882.2	1754.4
132.5°	2778.9	2824.2	3004.8	3185.5	3004.8	2824.2	2778.9	2477.1	2074.6	1873.4	1756.2
135°	2616.8	2655.8	2811.5	2967.2	2811.5	2655.8	2616.8	2364.0	2027.0	1858.5	1754.6
137.5°	2497.0	2528.9	2656.4	2783.9	2656.4	2528.9	2497.0	2283.3	1998.4	1856.0	1765.3
140°	2401.0	2430.8	2550.0	2669.2	2550.0	2430.8	2401.0	2216.4	1970.2	1847.2	1767.1
142.5°	2333.7	2359.3	2461.8	2564.4	2461.8	2359.3	2333.7	2171.6	1955.3	1847.2	1773.5
145°	2232.6	2252.0	2329.6	2407.2	2329.6	2252.0	2232.6	2100.0	1923.2	1834.8	1773.5
147.5°	2147.8	2163.8	2228.2	2292.5	2228.2	2163.8	2147.8	2043.5	1904.3	1834.8	1785.7
150°	2099.1	2112.1	2164.3	2216.4	2164.3	2112.1	2099.1	2011.0	1893.6	1834.8	1792.1
152.5°	2060.5	2070.4	2109.7	2149.1	2109.7	2070.4	2060.5	1985.3	1885.0	1834.8	1796.2
155°	2014.3	2020.8	2046.9	2072.9	2046.9	2020.8	2014.3	1954.5	1874.7	1834.8	1805.4
157.5°	1974.4	1979.0	1997.3	2015.6	1997.3	1979.0	1974.4	1927.8	1865.8	1834.8	1814.5
160°	1954.5	1957.2	1967.7	1978.2	1967.7	1957.2	1954.5	1914.6	1861.4	1834.8	1818.7
162.5°	1935.8	1938.3	1948.2	1958.2	1948.2	1938.3	1935.8	1902.1	1857.3	1834.8	1823.1
165°	1907.0	1909.7	1920.2	1930.8	1920.2	1909.7	1907.0	1883.0	1850.8	1834.8	1829.5
167.5°	1894.6	1895.7	1900.1	1904.6	1900.1	1895.7	1894.6	1878.8	1857.7	1847.2	1842.8
170°	1894.6	1894.6	1894.6	1894.6	1894.6	1894.6	1894.6	1878.8	1857.7	1847.2	1846.9
172.5°	1884.6	1883.7	1879.7	1875.9	1879.7	1883.7	1884.6	1872.2	1855.6	1847.2	1847.2
175°	1870.9	1870.9	1870.9	1870.9	1870.9	1870.9	1870.9	1863.0	1852.5	1847.2	1849.7
177.5°	1868.4	1867.3	1862.9	1858.5	1862.9	1867.3	1868.4	1862.2	1853.9	1849.7	1851.6
180°	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5



TEST NUMBER: P935549

CATALOG NUMBER: SQ4-FA-125U-075D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2546.4	2546.4	2546.4	2546.4	2546.4
2.5°	2515.1	2527.1	2534.3	2544.0	2568.1
5°	2418.7	2464.5	2478.9	2515.1	2558.4
7.5°	2206.7	2346.4	2385.0	2471.7	2539.2
10°	2001.9	2141.7	2209.1	2413.9	2515.1
12.5°	1898.3	1980.2	2026.0	2312.7	2481.4
15°	1833.2	1891.1	1924.8	2177.8	2442.8
17.5°	1782.7	1823.6	1847.7	2045.2	2389.8
20°	1751.3	1770.6	1792.3	1948.9	2329.6
22.5°	1729.7	1717.6	1734.5	1881.4	2247.7
25°	1715.2	1669.4	1688.7	1828.4	2151.3
27.5°	1727.3	1626.1	1633.3	1780.3	2050.1
30°	1729.7	1573.1	1575.5	1729.7	1936.8
32.5°	1712.8	1517.7	1520.1	1667.0	1809.2
35°	1671.8	1452.6	1450.2	1594.8	1635.7
37.5°	1616.4	1382.8	1382.8	1515.3	1445.4
40°	1549.0	1312.9	1320.1	1411.7	1276.8
42.5°	1467.1	1238.2	1247.9	1274.4	1151.5
45°	1377.9	1166.0	1173.2	1076.8	1055.1
47.5°	1279.2	1091.3	1093.7	893.7	1023.8
50°	1161.1	1014.2	1004.6	766.1	1021.4
52.5°	1057.6	929.9	901.0	693.8	927.5
55°	956.4	840.7	778.1	638.4	860.0
57.5°	867.2	725.1	664.9	573.3	845.6
60°	785.3	611.9	566.1	503.5	775.7
62.5°	717.9	527.6	517.9	455.3	703.4
65°	645.6	469.8	467.3	414.3	597.4
67.5°	575.8	431.2	428.8	375.8	455.3
70°	501.1	390.3	385.4	334.9	337.3
72.5°	424.0	344.5	339.7	301.1	279.4
75°	346.9	291.5	289.1	262.6	226.4
77.5°	272.2	231.3	236.1	212.0	166.2
80°	195.1	168.6	173.4	151.8	125.3
82.5°	130.1	110.8	115.6	96.4	84.3
85°	72.3	62.6	65.0	50.6	38.5
87.5°	33.7	28.9	28.9	19.3	12.0
90°	54.8	34.9	32.4	22.4	12.4
92.5°	338.5	240.7	219.5	134.7	49.9
95°	832.7	469.0	430.2	274.9	119.7
97.5°	1121.7	515.1	480.9	343.9	207.0
100°	1226.9	553.8	522.8	398.6	274.4
102.5°	1275.2	592.5	563.5	447.7	331.8
105°	1310.9	649.9	625.3	527.2	429.0
107.5°	1317.6	734.7	711.8	620.3	528.9
110°	1307.5	782.0	761.4	678.8	596.2



TEST NUMBER: P935549

CATALOG NUMBER: SQ4-FA-125U-075D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1307.9	839.4	819.7	741.0	662.3
115°	1320.1	925.5	907.3	834.6	762.0
117.5°	1344.5	1009.0	992.6	926.6	860.7
120°	1364.5	1057.7	1042.2	980.1	918.0
122.5°	1393.2	1115.0	1099.4	1036.8	974.1
125°	1431.9	1188.7	1174.4	1117.3	1060.2
127.5°	1470.5	1259.7	1245.4	1187.7	1130.1
130°	1498.8	1307.1	1291.6	1229.6	1167.5
132.5°	1521.7	1345.8	1330.3	1268.2	1206.1
135°	1546.7	1390.7	1376.6	1320.1	1263.5
137.5°	1584.0	1448.0	1434.1	1378.1	1322.1
140°	1606.9	1486.8	1473.8	1422.3	1370.7
142.5°	1626.0	1515.4	1503.5	1455.8	1408.1
145°	1651.0	1559.1	1548.7	1507.2	1465.6
147.5°	1687.6	1613.9	1603.8	1563.4	1522.9
150°	1706.7	1642.7	1633.5	1596.9	1560.3
152.5°	1719.2	1661.4	1654.5	1626.7	1599.0
155°	1746.6	1702.5	1697.4	1676.9	1656.3
157.5°	1774.1	1743.7	1738.7	1718.7	1698.8
160°	1786.5	1762.4	1758.6	1743.0	1727.5
162.5°	1799.8	1782.3	1779.4	1767.8	1756.2
165°	1819.0	1811.0	1808.4	1797.8	1787.3
167.5°	1833.9	1827.2	1826.0	1821.0	1816.1
170°	1846.3	1845.9	1844.7	1839.8	1834.8
172.5°	1847.2	1847.2	1847.0	1845.9	1844.7
175°	1854.7	1858.5	1858.5	1858.5	1858.5
177.5°	1855.6	1858.5	1858.5	1858.5	1858.5
180°	1858.5	1858.5	1858.5	1858.5	1858.5



TEST NUMBER: P935549
 CATALOG NUMBER: SQ4-FA-125U-075D-930-1D-UNV-STD-W-12

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	10.46	11.20	11.53	12.28	13.74	13.31	14.06	14.38	15.13	16.60
	3H	10.93	11.59	12.01	12.68	14.16	14.66	15.32	15.74	16.40	17.89
	4H	11.11	11.75	12.21	12.83	14.32	15.10	15.73	16.19	16.81	18.30
	6H	11.23	11.81	12.33	12.90	14.40	15.38	15.96	16.48	17.05	18.55
	8H	11.22	11.78	12.33	12.88	14.38	15.46	16.01	16.56	17.11	18.61
	12H	11.19	11.72	12.30	12.81	14.33	15.49	16.02	16.60	17.12	18.64
4H	2H	11.48	12.11	12.58	13.20	14.69	13.71	14.34	14.81	15.42	16.91
	3H	12.50	13.03	13.61	14.14	15.64	15.21	15.73	16.31	16.84	18.35
	4H	12.77	13.25	13.88	14.36	15.88	15.73	16.22	16.85	17.32	18.84
	6H	12.89	13.30	14.01	14.43	15.94	16.10	16.51	17.22	17.64	19.15
	8H	12.89	13.28	14.01	14.39	15.93	16.21	16.59	17.32	17.71	19.24
	12H	12.85	13.20	13.99	14.33	15.87	16.26	16.61	17.40	17.74	19.28
8H	4H	13.22	13.60	14.34	14.72	16.25	15.85	16.24	16.97	17.35	18.88
	6H	13.47	13.79	14.62	14.95	16.48	16.29	16.60	17.43	17.76	19.29
	8H	13.52	13.80	14.66	14.93	16.48	16.44	16.72	17.59	17.86	19.41
	12H	13.49	13.74	14.64	14.88	16.46	16.54	16.78	17.69	17.92	19.50
12H	4H	13.22	13.57	14.36	14.70	16.23	15.81	16.16	16.94	17.29	18.82
	6H	13.54	13.82	14.68	14.95	16.50	16.28	16.56	17.43	17.70	19.25
	8H	13.60	13.84	14.75	14.98	16.56	16.44	16.69	17.59	17.82	19.41