

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: P935173

Luminaire Tested: SQ4-FA-100U-075D-940-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935173
REPORT IS A COMBINATION OF REPORTS P933741 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-075D-940-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

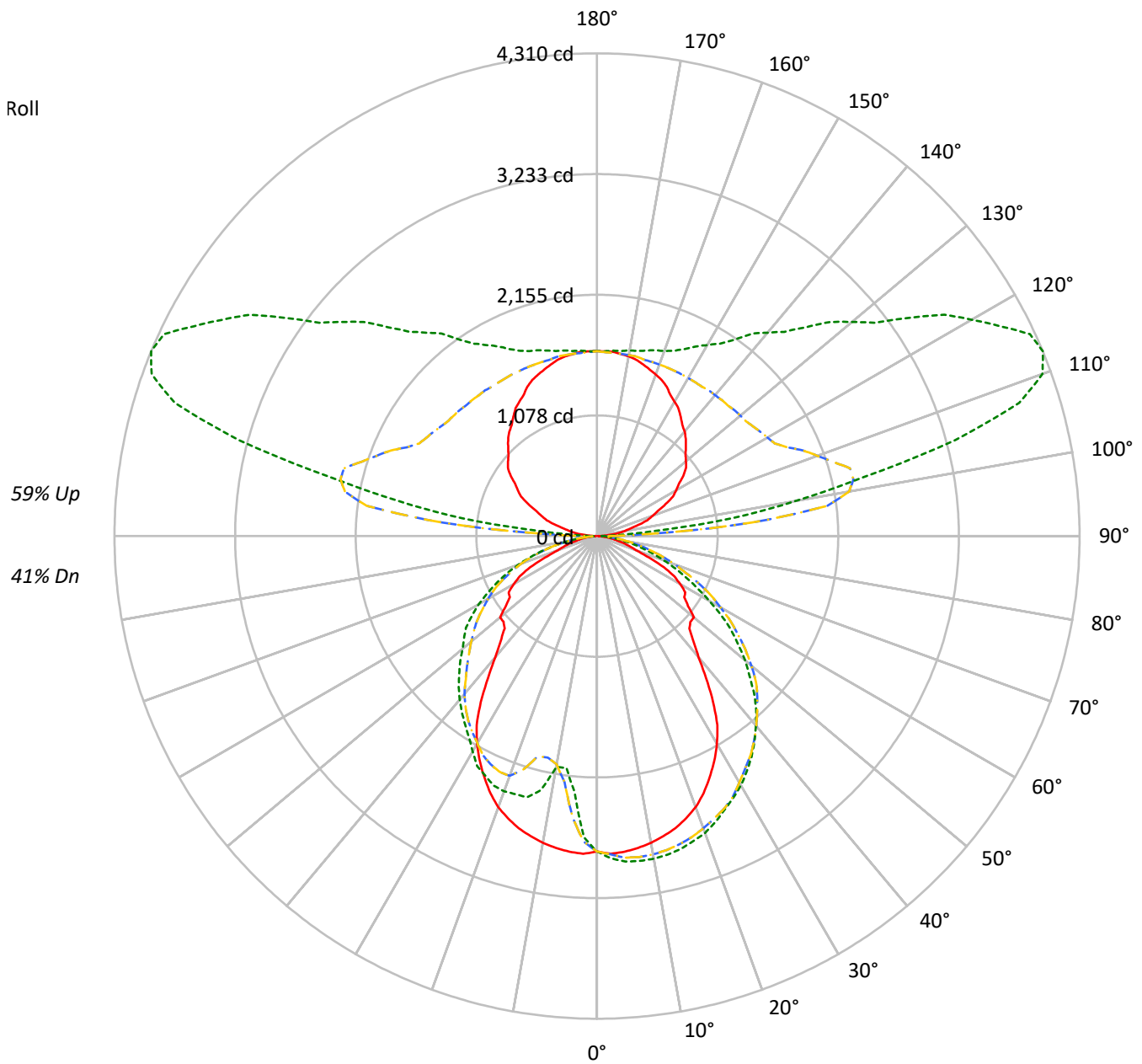
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18010.4 lumens
Efficiency: N/A
Efficacy: 122.0 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): 147.6
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: P935173
CATALOG NUMBER: SQ4-FA-100U-075D-940-1D-UNV-STD-W-12

Luminous Intensity Polar Plot



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



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CATALOG NUMBER: SQ4-FA-100U-075D-940-1D-UNV-STD-W-12

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	105	105	105	105	96	96	96	96	78	78	78	62	62	62	47	47	47	47	47	47	41
1	96	91	88	84	87	83	80	77	68	66	64	55	53	52	42	41	40	40	40	40	34
2	87	80	74	69	79	73	68	63	60	56	53	48	45	43	37	35	34	34	34	34	29
3	79	70	63	57	72	64	58	53	53	48	45	42	39	37	33	31	29	29	29	29	24
4	73	62	54	48	66	57	50	45	47	42	38	38	34	31	29	27	25	25	25	25	21
5	67	55	47	41	60	51	44	38	42	37	33	34	30	27	26	24	22	22	22	22	18
6	61	49	41	36	56	45	38	33	38	32	28	31	27	24	24	21	19	19	19	19	16
7	57	45	37	31	51	41	34	29	34	29	25	28	24	21	22	19	17	17	17	17	14
8	52	40	33	27	48	37	30	26	31	26	22	25	21	18	20	17	15	15	15	15	13
9	49	37	29	24	44	34	27	23	28	23	20	23	19	17	18	16	13	13	13	13	11
10	46	34	26	22	41	31	25	20	26	21	18	21	18	15	17	14	12	12	12	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8710	8710	8710	8710
5°	8778	8792	8778	6913
10°	8723	8661	8723	6192
15°	8631	8473	8631	7075
20°	8454	8251	8454	7090
25°	8088	7927	8088	6940
30°	7613	7657	7613	6610
35°	6791	7317	6791	6247
40°	5661	6916	5661	5973
45°	5062	6447	5062	5658
50°	5382	5887	5382	5342
55°	5068	5284	5068	5159
60°	5231	4488	5231	4725
65°	4751	3710	4751	4147
70°	3298	2957	3298	3476
75°	2902	2185	2902	2617
80°	2356	1445	2356	1574
85°	1380	766	1380	651

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7753 cd/sqm



TEST NUMBER: P935173

CATALOG NUMBER: SQ4-FA-100U-075D-940-1D-UNV-STD-W-12

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.2	1.4
10°-20°	721.7	4.0
20°-30°	1115.6	6.2
30°-40°	1331.8	7.4
40°-50°	1339.6	7.4
50°-60°	1165.6	6.5
60°-70°	826.4	4.6
70°-80°	437.2	2.4
80°-90°	115.2	0.6
90°-100°	804.8	4.5
100°-110°	2115.8	11.7
110°-120°	2193.9	12.2
120°-130°	1759.8	9.8
130°-140°	1380.8	7.7
140°-150°	1059.8	5.9
150°-160°	763.2	4.2
160°-170°	467.0	2.6
170°-180°	157.8	0.9
0°-30°	2091.5	11.6
0°-40°	3423.3	19.0
0°-60°	5928.5	32.9
0°-90°	7307.4	40.6
90°-120°	5114.6	28.4
90°-150°	9315.0	51.7
90°-180°	10703.0	59.4
0°-180°	18010.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2816	2816	2816	2816	2816	
5°	2829	2917	2829	2294	2829	268
15°	2701	2890	2701	2414	2701	760
25°	2379	2696	2379	2360	2379	1092
35°	1809	2406	1809	2054	1809	1119
45°	1167	1982	1167	1740	1167	935
55°	951	1462	951	1428	951	874
65°	661	882	661	986	661	631
75°	250	418	250	501	250	263
85°	43	107	43	91	43	58
90°	11	42	11	42	11	11
95°	106	486	106	486	106	118
105°	381	3313	381	3313	381	404
115°	677	4266	677	4266	677	669
125°	942	3397	942	3397	942	836
135°	1122	2636	1122	2636	1122	868
145°	1302	2139	1302	2139	1302	816
155°	1472	1842	1472	1842	1472	676
165°	1588	1715	1588	1715	1588	448
175°	1651	1662	1651	1662	1651	157
180°	1651	1651	1651	1651	1651	



TEST NUMBER: P935173

CATALOG NUMBER: SQ4-FA-100U-075D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9
2.5°	2839.9	2839.9	2855.9	2861.2	2861.2	2853.2	2845.2	2853.2	2877.2	2885.2	2882.5
5°	2829.3	2850.6	2879.9	2885.2	2890.5	2887.9	2882.5	2887.9	2914.5	2919.8	2922.5
7.5°	2807.9	2847.9	2885.2	2893.2	2901.2	2893.2	2890.5	2895.9	2922.5	2927.8	2927.8
10°	2781.3	2837.2	2879.9	2885.2	2893.2	2885.2	2885.2	2895.9	2922.5	2927.8	2930.5
12.5°	2744.0	2821.3	2861.2	2866.6	2877.2	2874.5	2871.9	2882.5	2909.2	2914.5	2914.5
15°	2701.4	2792.0	2829.3	2834.6	2853.2	2847.9	2847.9	2858.6	2887.9	2895.9	2893.2
17.5°	2642.8	2754.7	2797.3	2805.3	2818.6	2815.9	2818.6	2829.3	2855.9	2861.2	2863.9
20°	2576.2	2704.0	2754.7	2762.7	2776.0	2776.0	2776.0	2789.3	2815.9	2826.6	2826.6
22.5°	2485.6	2650.8	2704.0	2709.4	2725.4	2725.4	2730.7	2749.3	2773.3	2776.0	2776.0
25°	2379.0	2592.2	2637.4	2653.4	2669.4	2677.4	2685.4	2696.1	2704.0	2701.4	2704.0
27.5°	2267.1	2517.6	2576.2	2586.8	2608.1	2616.1	2626.8	2629.5	2632.1	2640.1	2634.8
30°	2141.9	2413.7	2501.6	2512.2	2546.9	2552.2	2541.5	2546.9	2560.2	2565.5	2570.8
32.5°	2000.7	2259.1	2424.3	2448.3	2480.3	2464.3	2461.6	2469.6	2490.9	2490.9	2496.3
35°	1808.9	2139.2	2352.4	2373.7	2397.7	2379.0	2389.7	2392.4	2405.7	2413.7	2411.0
37.5°	1598.4	2035.3	2277.7	2293.7	2312.4	2288.4	2304.4	2312.4	2323.0	2317.7	2317.7
40°	1411.9	1872.8	2189.8	2200.5	2216.4	2197.8	2213.8	2219.1	2224.4	2219.1	2216.4
42.5°	1273.4	1694.3	2096.6	2109.9	2099.2	2112.6	2117.9	2128.5	2120.5	2109.9	2109.9
45°	1166.8	1646.4	1995.3	2011.3	1995.3	2016.6	2024.6	2024.6	2000.7	1995.3	1992.7
47.5°	1132.2	1550.4	1894.1	1894.1	1886.1	1912.8	1926.1	1907.4	1883.4	1875.5	1875.5
50°	1129.5	1443.9	1755.6	1744.9	1782.2	1814.2	1800.9	1782.2	1763.6	1734.3	1734.3
52.5°	1025.6	1313.4	1577.1	1617.0	1675.7	1694.3	1673.0	1654.3	1622.4	1609.1	1598.4
55°	951.0	1177.5	1414.6	1494.5	1555.8	1579.8	1539.8	1521.1	1473.2	1465.2	1459.9
57.5°	935.1	980.4	1265.4	1366.6	1441.2	1438.6	1414.6	1380.0	1340.0	1332.0	1329.3
60°	857.8	708.6	1105.6	1225.4	1302.7	1294.7	1273.4	1241.4	1204.1	1198.8	1193.5
62.5°	777.9	514.2	924.4	1060.3	1169.5	1166.8	1148.2	1100.2	1073.6	1060.3	1049.6
65°	660.7	431.6	658.0	881.8	1039.0	1044.3	1004.3	969.7	940.4	924.4	921.7
67.5°	503.5	351.6	444.9	735.3	913.8	908.4	857.8	841.8	804.5	796.5	780.6
70°	373.0	234.4	309.0	596.7	791.2	777.9	737.9	719.3	684.6	666.0	655.3
72.5°	309.0	189.1	226.4	463.5	666.0	650.0	615.4	594.1	564.8	548.8	538.1
75°	250.4	199.8	173.2	343.7	540.8	530.1	498.2	476.9	452.9	431.6	434.2
77.5°	183.8	186.5	138.5	253.1	428.9	412.9	394.3	367.6	357.0	335.7	335.7
80°	138.5	146.5	103.9	173.2	309.0	309.0	293.0	274.4	255.7	245.1	245.1
82.5°	93.2	93.2	77.3	109.2	210.5	202.5	191.8	186.5	175.8	170.5	170.5
85°	42.6	53.3	48.0	66.6	114.6	119.9	119.9	114.6	111.9	106.6	109.2
87.5°	13.3	24.0	29.3	37.3	58.6	61.3	63.9	63.9	63.9	66.6	66.6
90°	11.1	20.0	28.8	31.0	48.8	72.4	84.2	74.9	56.1	42.1	42.1
92.5°	44.3	119.6	195.0	213.8	300.7	416.4	474.3	415.7	298.5	210.5	202.2
95°	106.4	244.3	382.2	416.6	739.8	1170.7	1386.2	1237.0	938.5	714.7	689.3
97.5°	183.9	305.6	427.2	457.7	996.5	1715.0	2074.3	1980.0	1791.4	1649.9	1601.7
100°	243.8	354.0	464.3	492.0	1089.9	1887.3	2286.0	2292.9	2306.7	2317.0	2259.5
102.5°	294.7	397.6	500.6	526.3	1132.8	1941.5	2345.8	2466.0	2706.3	2886.5	2837.2
105°	381.2	468.3	555.5	577.3	1164.6	1947.7	2339.2	2608.6	3147.3	3551.4	3524.9
107.5°	469.8	551.1	632.3	652.7	1170.5	1860.9	2206.1	2581.9	3333.5	3897.1	3903.5
110°	529.7	603.0	676.4	694.8	1161.6	1784.1	2095.3	2515.4	3355.6	3985.7	4013.3



TEST NUMBER: P935173

CATALOG NUMBER: SQ4-FA-100U-075D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	588.4	658.4	728.2	745.7	1162.0	1717.0	1994.5	2424.5	3284.4	3929.2	3971.6
115°	677.0	741.6	806.0	822.2	1172.7	1640.0	1873.8	2287.9	3116.3	3737.5	3796.2
117.5°	764.6	823.2	881.8	896.4	1194.5	1591.9	1790.7	2164.4	2912.0	3472.7	3537.8
120°	815.5	870.7	925.9	939.7	1212.3	1575.8	1757.4	2099.0	2782.0	3294.3	3357.6
122.5°	865.4	921.1	976.7	990.7	1237.8	1567.2	1732.0	2039.5	2654.6	3115.9	3178.3
125°	941.9	992.6	1043.3	1056.0	1272.1	1560.2	1704.2	1965.5	2488.0	2879.9	2937.3
127.5°	1003.9	1055.1	1106.4	1119.1	1306.4	1556.1	1681.0	1905.3	2353.9	2690.4	2738.9
130°	1037.2	1092.3	1147.5	1161.2	1331.6	1558.6	1672.1	1871.8	2271.2	2570.8	2615.6
132.5°	1071.5	1126.7	1181.8	1195.6	1351.8	1560.1	1664.3	1843.0	2200.6	2468.8	2509.0
135°	1122.5	1172.7	1223.0	1235.5	1374.0	1558.7	1651.1	1800.8	2100.1	2324.7	2359.3
137.5°	1174.6	1224.3	1274.0	1286.4	1407.2	1568.3	1648.8	1775.4	2028.5	2218.4	2246.7
140°	1217.8	1263.6	1309.4	1320.8	1427.5	1569.9	1641.0	1750.3	1969.1	2133.1	2159.5
142.5°	1251.0	1293.4	1335.7	1346.3	1444.5	1575.5	1641.0	1737.1	1929.2	2073.2	2095.9
145°	1302.0	1338.9	1375.9	1385.1	1466.7	1575.6	1630.0	1708.5	1865.6	1983.4	2000.7
147.5°	1353.0	1388.9	1424.9	1433.9	1499.2	1586.4	1630.0	1691.8	1815.4	1908.1	1922.4
150°	1386.2	1418.7	1451.2	1459.3	1516.3	1592.1	1630.0	1682.2	1786.6	1864.9	1876.4
152.5°	1420.5	1445.1	1469.8	1475.9	1527.3	1595.7	1630.0	1674.6	1763.7	1830.5	1839.2
155°	1471.5	1489.7	1508.0	1512.5	1551.7	1603.9	1630.0	1665.4	1736.3	1789.5	1795.3
157.5°	1509.2	1526.9	1544.7	1549.1	1576.1	1612.1	1630.0	1657.5	1712.7	1754.1	1758.2
160°	1534.6	1548.5	1562.3	1565.7	1587.1	1615.7	1630.0	1653.6	1700.9	1736.3	1738.6
162.5°	1560.1	1570.4	1580.8	1583.4	1598.9	1619.6	1630.0	1649.9	1689.8	1719.7	1721.9
165°	1587.8	1597.2	1606.6	1608.9	1615.9	1625.3	1630.0	1644.3	1672.8	1694.2	1696.5
167.5°	1613.3	1617.8	1622.2	1623.4	1629.2	1637.1	1641.0	1650.4	1669.2	1683.2	1684.2
170°	1630.0	1634.5	1638.9	1640.0	1640.3	1640.8	1641.0	1650.4	1669.2	1683.2	1683.2
172.5°	1638.8	1639.8	1640.8	1641.0	1641.0	1641.0	1641.0	1648.4	1663.2	1674.3	1673.4
175°	1651.1	1651.1	1651.1	1651.1	1647.7	1643.2	1641.0	1645.7	1655.1	1662.1	1662.1
177.5°	1651.1	1651.1	1651.1	1651.1	1648.5	1645.0	1643.2	1647.0	1654.3	1659.8	1658.9
180°	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1



TEST NUMBER: P935173

CATALOG NUMBER: SQ4-FA-100U-075D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9
2.5°	2887.9	2879.9	2887.9	2882.5	2885.2	2877.2	2853.2	2845.2	2853.2	2861.2	2861.2
5°	2922.5	2917.2	2922.5	2922.5	2919.8	2914.5	2887.9	2882.5	2887.9	2890.5	2885.2
7.5°	2933.2	2925.2	2933.2	2927.8	2927.8	2922.5	2895.9	2890.5	2893.2	2901.2	2893.2
10°	2933.2	2925.2	2933.2	2930.5	2927.8	2922.5	2895.9	2885.2	2885.2	2893.2	2885.2
12.5°	2919.8	2914.5	2919.8	2914.5	2914.5	2909.2	2882.5	2871.9	2874.5	2877.2	2866.6
15°	2898.5	2890.5	2898.5	2893.2	2895.9	2887.9	2858.6	2847.9	2847.9	2853.2	2834.6
17.5°	2866.6	2855.9	2866.6	2863.9	2861.2	2855.9	2829.3	2818.6	2815.9	2818.6	2805.3
20°	2829.3	2821.3	2829.3	2826.6	2826.6	2815.9	2789.3	2776.0	2776.0	2776.0	2762.7
22.5°	2770.6	2762.7	2770.6	2776.0	2776.0	2773.3	2749.3	2730.7	2725.4	2725.4	2709.4
25°	2704.0	2696.1	2704.0	2704.0	2701.4	2704.0	2696.1	2685.4	2677.4	2669.4	2653.4
27.5°	2640.1	2634.8	2640.1	2634.8	2640.1	2632.1	2629.5	2626.8	2616.1	2608.1	2586.8
30°	2576.2	2570.8	2576.2	2570.8	2565.5	2560.2	2546.9	2541.5	2552.2	2546.9	2512.2
32.5°	2496.3	2490.9	2496.3	2496.3	2490.9	2490.9	2469.6	2461.6	2464.3	2480.3	2448.3
35°	2413.7	2405.7	2413.7	2411.0	2413.7	2405.7	2392.4	2389.7	2379.0	2397.7	2373.7
37.5°	2317.7	2309.7	2317.7	2317.7	2317.7	2323.0	2312.4	2304.4	2288.4	2312.4	2293.7
40°	2219.1	2208.5	2219.1	2216.4	2219.1	2224.4	2219.1	2213.8	2197.8	2216.4	2200.5
42.5°	2107.2	2104.6	2107.2	2109.9	2109.9	2120.5	2128.5	2117.9	2112.6	2099.2	2109.9
45°	1987.3	1982.0	1987.3	1992.7	1995.3	2000.7	2024.6	2024.6	2016.6	1995.3	2011.3
47.5°	1859.5	1846.2	1859.5	1875.5	1875.5	1883.4	1907.4	1926.1	1912.8	1886.1	1894.1
50°	1723.6	1726.3	1723.6	1734.3	1734.3	1763.6	1782.2	1800.9	1814.2	1782.2	1744.9
52.5°	1590.4	1587.7	1590.4	1598.4	1609.1	1622.4	1654.3	1673.0	1694.3	1675.7	1617.0
55°	1457.2	1462.5	1457.2	1459.9	1465.2	1473.2	1521.1	1539.8	1579.8	1555.8	1494.5
57.5°	1324.0	1316.0	1324.0	1329.3	1332.0	1340.0	1380.0	1414.6	1438.6	1441.2	1366.6
60°	1169.5	1158.8	1169.5	1193.5	1198.8	1204.1	1241.4	1273.4	1294.7	1302.7	1225.4
62.5°	1033.6	1015.0	1033.6	1049.6	1060.3	1073.6	1100.2	1148.2	1166.8	1169.5	1060.3
65°	889.8	881.8	889.8	921.7	924.4	940.4	969.7	1004.3	1044.3	1039.0	881.8
67.5°	759.2	759.2	759.2	780.6	796.5	804.5	841.8	857.8	908.4	913.8	735.3
70°	639.4	636.7	639.4	655.3	666.0	684.6	719.3	737.9	777.9	791.2	596.7
72.5°	524.8	522.1	524.8	538.1	548.8	564.8	594.1	615.4	650.0	666.0	463.5
75°	423.6	418.2	423.6	434.2	431.6	452.9	476.9	498.2	530.1	540.8	343.7
77.5°	325.0	325.0	325.0	335.7	335.7	357.0	367.6	394.3	412.9	428.9	253.1
80°	242.4	239.8	242.4	245.1	245.1	255.7	274.4	293.0	309.0	309.0	173.2
82.5°	170.5	165.2	170.5	170.5	170.5	175.8	186.5	191.8	202.5	210.5	109.2
85°	106.6	106.6	106.6	109.2	106.6	111.9	114.6	119.9	119.9	114.6	66.6
87.5°	69.3	66.6	69.3	66.6	66.6	63.9	63.9	63.9	61.3	58.6	37.3
90°	42.1	42.1	42.1	42.1	42.1	56.1	74.9	84.2	72.4	48.8	31.0
92.5°	168.6	135.2	168.6	202.2	210.5	298.5	415.7	474.3	416.4	300.7	213.8
95°	587.9	486.4	587.9	689.3	714.7	938.5	1237.0	1386.2	1170.7	739.8	416.6
97.5°	1408.6	1215.6	1408.6	1601.7	1649.9	1791.4	1980.0	2074.3	1715.0	996.5	457.7
100°	2029.5	1799.5	2029.5	2259.5	2317.0	2306.7	2292.9	2286.0	1887.3	1089.9	492.0
102.5°	2640.3	2443.3	2640.3	2837.2	2886.5	2706.3	2466.0	2345.8	1941.5	1132.8	526.3
105°	3419.0	3313.1	3419.0	3524.9	3551.4	3147.3	2608.6	2339.2	1947.7	1164.6	577.3
107.5°	3929.1	3954.7	3929.1	3903.5	3897.1	3333.5	2581.9	2206.1	1860.9	1170.5	652.7
110°	4123.6	4234.0	4123.6	4013.3	3985.7	3355.6	2515.4	2095.3	1784.1	1161.6	694.8



TEST NUMBER: P935173

CATALOG NUMBER: SQ4-FA-100U-075D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4141.0	4310.4	4141.0	3971.6	3929.2	3284.4	2424.5	1994.5	1717.0	1162.0	745.7
115°	4031.2	4266.0	4031.2	3796.2	3737.5	3116.3	2287.9	1873.8	1640.0	1172.7	822.2
117.5°	3798.3	4058.9	3798.3	3537.8	3472.7	2912.0	2164.4	1790.7	1591.9	1194.5	896.4
120°	3610.7	3863.9	3610.7	3357.6	3294.3	2782.0	2099.0	1757.4	1575.8	1212.3	939.7
122.5°	3427.9	3677.7	3427.9	3178.3	3115.9	2654.6	2039.5	1732.0	1567.2	1237.8	990.7
125°	3167.3	3397.3	3167.3	2937.3	2879.9	2488.0	1965.5	1704.2	1560.2	1272.1	1056.0
127.5°	2933.0	3127.0	2933.0	2738.9	2690.4	2353.9	1905.3	1681.0	1556.1	1306.4	1119.1
130°	2794.8	2974.1	2794.8	2615.6	2570.8	2271.2	1871.8	1672.1	1558.6	1331.6	1161.2
132.5°	2669.5	2830.1	2669.5	2509.0	2468.8	2200.6	1843.0	1664.3	1560.1	1351.8	1195.6
135°	2497.7	2636.1	2497.7	2359.3	2324.7	2100.1	1800.8	1651.1	1558.7	1374.0	1235.5
137.5°	2359.9	2473.3	2359.9	2246.7	2218.4	2028.5	1775.4	1648.8	1568.3	1407.2	1286.4
140°	2265.5	2371.3	2265.5	2159.5	2133.1	1969.1	1750.3	1641.0	1569.9	1427.5	1320.8
142.5°	2187.1	2278.2	2187.1	2095.9	2073.2	1929.2	1737.1	1641.0	1575.5	1444.5	1346.3
145°	2069.7	2138.6	2069.7	2000.7	1983.4	1865.6	1708.5	1630.0	1575.6	1466.7	1385.1
147.5°	1979.5	2036.6	1979.5	1922.4	1908.1	1815.4	1691.8	1630.0	1586.4	1499.2	1433.9
150°	1922.8	1969.1	1922.8	1876.4	1864.9	1786.6	1682.2	1630.0	1592.1	1516.3	1459.3
152.5°	1874.2	1909.2	1874.2	1839.2	1830.5	1763.7	1674.6	1630.0	1595.7	1527.3	1475.9
155°	1818.4	1841.6	1818.4	1795.3	1789.5	1736.3	1665.4	1630.0	1603.9	1551.7	1512.5
157.5°	1774.4	1790.7	1774.4	1758.2	1754.1	1712.7	1657.5	1630.0	1612.1	1576.1	1549.1
160°	1748.0	1757.4	1748.0	1738.6	1736.3	1700.9	1653.6	1630.0	1615.7	1587.1	1565.7
162.5°	1730.8	1739.7	1730.8	1721.9	1719.7	1689.8	1649.9	1630.0	1619.6	1598.9	1583.4
165°	1705.9	1715.3	1705.9	1696.5	1694.2	1672.8	1644.3	1630.0	1625.3	1615.9	1608.9
167.5°	1688.1	1692.0	1688.1	1684.2	1683.2	1669.2	1650.4	1641.0	1637.1	1629.2	1623.4
170°	1683.2	1683.2	1683.2	1683.2	1683.2	1669.2	1650.4	1641.0	1640.8	1640.3	1640.0
172.5°	1670.0	1666.5	1670.0	1673.4	1674.3	1663.2	1648.4	1641.0	1641.0	1641.0	1641.0
175°	1662.1	1662.1	1662.1	1662.1	1662.1	1655.1	1645.7	1641.0	1643.2	1647.7	1651.1
177.5°	1655.0	1651.1	1655.0	1658.9	1659.8	1654.3	1647.0	1643.2	1645.0	1648.5	1651.1
180°	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1



TEST NUMBER: P935173

CATALOG NUMBER: SQ4-FA-100U-075D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9
2.5°	2855.9	2839.9	2839.9	2813.3	2802.6	2794.6	2781.3	2741.3	2730.7	2720.0	2736.0
5°	2879.9	2850.6	2829.3	2781.3	2741.3	2725.4	2674.7	2578.8	2514.9	2467.0	2440.3
7.5°	2885.2	2847.9	2807.9	2733.4	2637.4	2594.8	2440.3	2264.4	2216.4	2173.8	2147.2
10°	2879.9	2837.2	2781.3	2669.4	2443.0	2368.4	2213.8	2099.2	2069.9	2061.9	2069.9
12.5°	2861.2	2821.3	2744.0	2557.5	2240.4	2189.8	2099.2	2032.6	2027.3	2040.6	2112.6
15°	2829.3	2792.0	2701.4	2408.3	2128.5	2091.2	2027.3	2003.3	2032.6	2125.9	2341.7
17.5°	2797.3	2754.7	2642.8	2261.7	2043.3	2016.6	1971.4	2019.3	2184.5	2309.7	2381.7
20°	2754.7	2704.0	2576.2	2155.2	1982.0	1958.0	1936.7	2152.5	2277.7	2323.0	2363.1
22.5°	2704.0	2650.8	2485.6	2080.6	1918.1	1899.4	1912.8	2227.1	2277.7	2309.7	2344.3
25°	2637.4	2592.2	2379.0	2022.0	1867.5	1846.2	1896.8	2219.1	2248.4	2256.4	2325.7
27.5°	2576.2	2517.6	2267.1	1968.7	1806.2	1798.2	1910.1	2184.5	2205.8	2213.8	2288.4
30°	2501.6	2413.7	2141.9	1912.8	1742.3	1739.6	1912.8	2141.9	2136.5	2157.8	2232.4
32.5°	2424.3	2259.1	2000.7	1843.5	1681.0	1678.3	1894.1	2077.9	2072.6	2101.9	2157.8
35°	2352.4	2139.2	1808.9	1763.6	1603.7	1606.4	1848.8	2003.3	2006.0	2032.6	2067.3
37.5°	2277.7	2035.3	1598.4	1675.7	1529.1	1529.1	1787.5	1934.1	1928.7	1936.7	1984.7
40°	2189.8	1872.8	1411.9	1561.1	1459.9	1451.9	1713.0	1859.5	1840.8	1838.2	1904.8
42.5°	2096.6	1694.3	1273.4	1409.3	1380.0	1369.3	1622.4	1768.9	1734.3	1742.3	1827.5
45°	1995.3	1646.4	1166.8	1190.8	1297.4	1289.4	1523.8	1665.0	1641.0	1662.3	1750.2
47.5°	1894.1	1550.4	1132.2	988.3	1209.5	1206.8	1414.6	1563.8	1550.4	1571.8	1665.0
50°	1755.6	1443.9	1129.5	847.2	1110.9	1121.5	1284.0	1465.2	1465.2	1483.8	1582.4
52.5°	1577.1	1313.4	1025.6	767.2	996.3	1028.3	1169.5	1380.0	1385.3	1403.9	1491.8
55°	1414.6	1177.5	951.0	706.0	860.5	929.7	1057.6	1292.0	1302.7	1321.3	1401.3
57.5°	1265.4	980.4	935.1	634.0	735.3	801.9	959.0	1206.8	1212.1	1228.1	1305.4
60°	1105.6	708.6	857.8	556.8	626.0	676.7	868.5	1105.6	1124.2	1134.9	1201.5
62.5°	924.4	514.2	777.9	503.5	572.8	583.4	793.9	1009.7	1033.6	1041.6	1081.6
65°	658.0	431.6	660.7	458.2	516.8	519.5	714.0	911.1	932.4	945.7	975.0
67.5°	444.9	351.6	503.5	415.6	474.2	476.9	636.7	796.5	825.8	836.5	855.1
70°	309.0	234.4	373.0	370.3	426.2	431.6	554.1	692.6	719.3	727.3	737.9
72.5°	226.4	189.1	309.0	333.0	375.6	381.0	468.9	575.4	602.1	610.1	615.4
75°	173.2	199.8	250.4	290.4	319.7	322.3	383.6	468.9	487.5	492.8	495.5
77.5°	138.5	186.5	183.8	234.4	261.1	255.7	301.0	362.3	378.3	378.3	378.3
80°	103.9	146.5	138.5	167.8	191.8	186.5	215.8	258.4	263.7	269.1	266.4
82.5°	77.3	93.2	93.2	106.6	127.9	122.5	143.9	167.8	167.8	167.8	173.2
85°	48.0	53.3	42.6	55.9	71.9	69.3	79.9	90.6	93.2	93.2	87.9
87.5°	29.3	24.0	13.3	21.3	32.0	32.0	37.3	40.0	37.3	37.3	37.3
90°	28.8	20.0	11.1	20.0	28.8	31.0	48.8	72.4	84.2	74.9	56.1
92.5°	195.0	119.6	44.3	119.6	195.0	213.8	300.7	416.4	474.3	415.7	298.5
95°	382.2	244.3	106.4	244.3	382.2	416.6	739.8	1170.7	1386.2	1237.0	938.5
97.5°	427.2	305.6	183.9	305.6	427.2	457.7	996.5	1715.0	2074.3	1980.0	1791.4
100°	464.3	354.0	243.8	354.0	464.3	492.0	1089.9	1887.3	2286.0	2292.9	2306.7
102.5°	500.6	397.6	294.7	397.6	500.6	526.3	1132.8	1941.5	2345.8	2466.0	2706.3
105°	555.5	468.3	381.2	468.3	555.5	577.3	1164.6	1947.7	2339.2	2608.6	3147.3
107.5°	632.3	551.1	469.8	551.1	632.3	652.7	1170.5	1860.9	2206.1	2581.9	3333.5
110°	676.4	603.0	529.7	603.0	676.4	694.8	1161.6	1784.1	2095.3	2515.4	3355.6



TEST NUMBER: P935173

CATALOG NUMBER: SQ4-FA-100U-075D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	728.2	658.4	588.4	658.4	728.2	745.7	1162.0	1717.0	1994.5	2424.5	3284.4
115°	806.0	741.6	677.0	741.6	806.0	822.2	1172.7	1640.0	1873.8	2287.9	3116.3
117.5°	881.8	823.2	764.6	823.2	881.8	896.4	1194.5	1591.9	1790.7	2164.4	2912.0
120°	925.9	870.7	815.5	870.7	925.9	939.7	1212.3	1575.8	1757.4	2099.0	2782.0
122.5°	976.7	921.1	865.4	921.1	976.7	990.7	1237.8	1567.2	1732.0	2039.5	2654.6
125°	1043.3	992.6	941.9	992.6	1043.3	1056.0	1272.1	1560.2	1704.2	1965.5	2488.0
127.5°	1106.4	1055.1	1003.9	1055.1	1106.4	1119.1	1306.4	1556.1	1681.0	1905.3	2353.9
130°	1147.5	1092.3	1037.2	1092.3	1147.5	1161.2	1331.6	1558.6	1672.1	1871.8	2271.2
132.5°	1181.8	1126.7	1071.5	1126.7	1181.8	1195.6	1351.8	1560.1	1664.3	1843.0	2200.6
135°	1223.0	1172.7	1122.5	1172.7	1223.0	1235.5	1374.0	1558.7	1651.1	1800.8	2100.1
137.5°	1274.0	1224.3	1174.6	1224.3	1274.0	1286.4	1407.2	1568.3	1648.8	1775.4	2028.5
140°	1309.4	1263.6	1217.8	1263.6	1309.4	1320.8	1427.5	1569.9	1641.0	1750.3	1969.1
142.5°	1335.7	1293.4	1251.0	1293.4	1335.7	1346.3	1444.5	1575.5	1641.0	1737.1	1929.2
145°	1375.9	1338.9	1302.0	1338.9	1375.9	1385.1	1466.7	1575.6	1630.0	1708.5	1865.6
147.5°	1424.9	1388.9	1353.0	1388.9	1424.9	1433.9	1499.2	1586.4	1630.0	1691.8	1815.4
150°	1451.2	1418.7	1386.2	1418.7	1451.2	1459.3	1516.3	1592.1	1630.0	1682.2	1786.6
152.5°	1469.8	1445.1	1420.5	1445.1	1469.8	1475.9	1527.3	1595.7	1630.0	1674.6	1763.7
155°	1508.0	1489.7	1471.5	1489.7	1508.0	1512.5	1551.7	1603.9	1630.0	1665.4	1736.3
157.5°	1544.7	1526.9	1509.2	1526.9	1544.7	1549.1	1576.1	1612.1	1630.0	1657.5	1712.7
160°	1562.3	1548.5	1534.6	1548.5	1562.3	1565.7	1587.1	1615.7	1630.0	1653.6	1700.9
162.5°	1580.8	1570.4	1560.1	1570.4	1580.8	1583.4	1598.9	1619.6	1630.0	1649.9	1689.8
165°	1606.6	1597.2	1587.8	1597.2	1606.6	1608.9	1615.9	1625.3	1630.0	1644.3	1672.8
167.5°	1622.2	1617.8	1613.3	1617.8	1622.2	1623.4	1629.2	1637.1	1641.0	1650.4	1669.2
170°	1638.9	1634.5	1630.0	1634.5	1638.9	1640.0	1640.3	1640.8	1641.0	1650.4	1669.2
172.5°	1640.8	1639.8	1638.8	1639.8	1640.8	1641.0	1641.0	1641.0	1641.0	1648.4	1663.2
175°	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1647.7	1643.2	1641.0	1645.7	1655.1
177.5°	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1648.5	1645.0	1643.2	1647.0	1654.3
180°	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1



TEST NUMBER: P935173

CATALOG NUMBER: SQ4-FA-100U-075D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9
2.5°	2717.4	2709.4	2720.0	2690.7	2720.0	2709.4	2717.4	2736.0	2720.0	2730.7	2741.3
5°	2384.4	2371.0	2328.3	2293.7	2328.3	2371.0	2384.4	2440.3	2467.0	2514.9	2578.8
7.5°	2131.2	2120.5	2109.9	2088.6	2109.9	2120.5	2131.2	2147.2	2173.8	2216.4	2264.4
10°	2075.3	2077.9	2093.9	2091.2	2093.9	2077.9	2075.3	2069.9	2061.9	2069.9	2099.2
12.5°	2219.1	2243.1	2331.0	2325.7	2331.0	2243.1	2219.1	2112.6	2040.6	2027.3	2032.6
15°	2384.4	2392.4	2411.0	2413.7	2411.0	2392.4	2384.4	2341.7	2125.9	2032.6	2003.3
17.5°	2400.4	2403.0	2416.3	2416.3	2416.3	2403.0	2400.4	2381.7	2309.7	2184.5	2019.3
20°	2387.0	2392.4	2419.0	2424.3	2419.0	2392.4	2387.0	2363.1	2323.0	2277.7	2152.5
22.5°	2381.7	2392.4	2413.7	2411.0	2413.7	2392.4	2381.7	2344.3	2309.7	2277.7	2227.1
25°	2355.1	2355.1	2357.7	2360.4	2357.7	2355.1	2355.1	2325.7	2256.4	2248.4	2219.1
27.5°	2299.0	2304.4	2320.3	2317.7	2320.3	2304.4	2299.0	2288.4	2213.8	2205.8	2184.5
30°	2248.4	2243.1	2229.8	2219.1	2229.8	2243.1	2248.4	2232.4	2157.8	2136.5	2141.9
32.5°	2163.2	2149.8	2136.5	2128.5	2136.5	2149.8	2163.2	2157.8	2101.9	2072.6	2077.9
35°	2061.9	2064.6	2061.9	2053.9	2061.9	2064.6	2061.9	2067.3	2032.6	2006.0	2003.3
37.5°	1990.0	1995.3	1992.7	1982.0	1992.7	1995.3	1990.0	1984.7	1936.7	1928.7	1934.1
40°	1915.4	1918.1	1915.4	1907.4	1915.4	1918.1	1915.4	1904.8	1838.2	1840.8	1859.5
42.5°	1843.5	1840.8	1832.8	1827.5	1832.8	1840.8	1843.5	1827.5	1742.3	1734.3	1768.9
45°	1760.9	1763.6	1747.6	1739.6	1747.6	1763.6	1760.9	1750.2	1662.3	1641.0	1665.0
47.5°	1678.3	1678.3	1665.0	1657.0	1665.0	1678.3	1678.3	1665.0	1571.8	1550.4	1563.8
50°	1590.4	1587.7	1569.1	1566.4	1569.1	1587.7	1590.4	1582.4	1483.8	1465.2	1465.2
52.5°	1489.2	1489.2	1491.8	1497.2	1491.8	1489.2	1489.2	1491.8	1403.9	1385.3	1380.0
55°	1401.3	1403.9	1422.6	1427.9	1422.6	1403.9	1401.3	1401.3	1321.3	1302.7	1292.0
57.5°	1310.7	1310.7	1324.0	1324.0	1324.0	1310.7	1310.7	1305.4	1228.1	1212.1	1206.8
60°	1206.8	1212.1	1222.8	1220.1	1222.8	1212.1	1206.8	1201.5	1134.9	1124.2	1105.6
62.5°	1097.6	1102.9	1105.6	1100.2	1105.6	1102.9	1097.6	1081.6	1041.6	1033.6	1009.7
65°	983.0	988.3	991.0	985.7	991.0	988.3	983.0	975.0	945.7	932.4	911.1
67.5°	865.8	863.1	860.5	871.1	860.5	863.1	865.8	855.1	836.5	825.8	796.5
70°	745.9	745.9	743.3	748.6	743.3	745.9	745.9	737.9	727.3	719.3	692.6
72.5°	618.0	615.4	626.0	618.0	626.0	615.4	618.0	615.4	610.1	602.1	575.4
75°	492.8	498.2	492.8	500.8	492.8	498.2	492.8	495.5	492.8	487.5	468.9
77.5°	375.6	381.0	375.6	375.6	375.6	381.0	375.6	378.3	378.3	378.3	362.3
80°	266.4	263.7	263.7	261.1	263.7	263.7	266.4	266.4	269.1	263.7	258.4
82.5°	170.5	167.8	167.8	173.2	167.8	167.8	170.5	173.2	167.8	167.8	167.8
85°	93.2	95.9	90.6	90.6	90.6	95.9	93.2	87.9	93.2	93.2	90.6
87.5°	34.6	32.0	32.0	32.0	32.0	32.0	34.6	37.3	37.3	37.3	40.0
90°	42.1	42.1	42.1	42.1	42.1	42.1	42.1	56.1	74.9	84.2	72.4
92.5°	210.5	202.2	168.6	135.2	168.6	202.2	210.5	298.5	415.7	474.3	416.4
95°	714.7	689.3	587.9	486.4	587.9	689.3	714.7	938.5	1237.0	1386.2	1170.7
97.5°	1649.9	1601.7	1408.6	1215.6	1408.6	1601.7	1649.9	1791.4	1980.0	2074.3	1715.0
100°	2317.0	2259.5	2029.5	1799.5	2029.5	2259.5	2317.0	2306.7	2292.9	2286.0	1887.3
102.5°	2886.5	2837.2	2640.3	2443.3	2640.3	2837.2	2886.5	2706.3	2466.0	2345.8	1941.5
105°	3551.4	3524.9	3419.0	3313.1	3419.0	3524.9	3551.4	3147.3	2608.6	2339.2	1947.7
107.5°	3897.1	3903.5	3929.1	3954.7	3929.1	3903.5	3897.1	3333.5	2581.9	2206.1	1860.9
110°	3985.7	4013.3	4123.6	4234.0	4123.6	4013.3	3985.7	3355.6	2515.4	2095.3	1784.1



TEST NUMBER: P935173

CATALOG NUMBER: SQ4-FA-100U-075D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3929.2	3971.6	4141.0	4310.4	4141.0	3971.6	3929.2	3284.4	2424.5	1994.5	1717.0
115°	3737.5	3796.2	4031.2	4266.0	4031.2	3796.2	3737.5	3116.3	2287.9	1873.8	1640.0
117.5°	3472.7	3537.8	3798.3	4058.9	3798.3	3537.8	3472.7	2912.0	2164.4	1790.7	1591.9
120°	3294.3	3357.6	3610.7	3863.9	3610.7	3357.6	3294.3	2782.0	2099.0	1757.4	1575.8
122.5°	3115.9	3178.3	3427.9	3677.7	3427.9	3178.3	3115.9	2654.6	2039.5	1732.0	1567.2
125°	2879.9	2937.3	3167.3	3397.3	3167.3	2937.3	2879.9	2488.0	1965.5	1704.2	1560.2
127.5°	2690.4	2738.9	2933.0	3127.0	2933.0	2738.9	2690.4	2353.9	1905.3	1681.0	1556.1
130°	2570.8	2615.6	2794.8	2974.1	2794.8	2615.6	2570.8	2271.2	1871.8	1672.1	1558.6
132.5°	2468.8	2509.0	2669.5	2830.1	2669.5	2509.0	2468.8	2200.6	1843.0	1664.3	1560.1
135°	2324.7	2359.3	2497.7	2636.1	2497.7	2359.3	2324.7	2100.1	1800.8	1651.1	1558.7
137.5°	2218.4	2246.7	2359.9	2473.3	2359.9	2246.7	2218.4	2028.5	1775.4	1648.8	1568.3
140°	2133.1	2159.5	2265.5	2371.3	2265.5	2159.5	2133.1	1969.1	1750.3	1641.0	1569.9
142.5°	2073.2	2095.9	2187.1	2278.2	2187.1	2095.9	2073.2	1929.2	1737.1	1641.0	1575.5
145°	1983.4	2000.7	2069.7	2138.6	2069.7	2000.7	1983.4	1865.6	1708.5	1630.0	1575.6
147.5°	1908.1	1922.4	1979.5	2036.6	1979.5	1922.4	1908.1	1815.4	1691.8	1630.0	1586.4
150°	1864.9	1876.4	1922.8	1969.1	1922.8	1876.4	1864.9	1786.6	1682.2	1630.0	1592.1
152.5°	1830.5	1839.2	1874.2	1909.2	1874.2	1839.2	1830.5	1763.7	1674.6	1630.0	1595.7
155°	1789.5	1795.3	1818.4	1841.6	1818.4	1795.3	1789.5	1736.3	1665.4	1630.0	1603.9
157.5°	1754.1	1758.2	1774.4	1790.7	1774.4	1758.2	1754.1	1712.7	1657.5	1630.0	1612.1
160°	1736.3	1738.6	1748.0	1757.4	1748.0	1738.6	1736.3	1700.9	1653.6	1630.0	1615.7
162.5°	1719.7	1721.9	1730.8	1739.7	1730.8	1721.9	1719.7	1689.8	1649.9	1630.0	1619.6
165°	1694.2	1696.5	1705.9	1715.3	1705.9	1696.5	1694.2	1672.8	1644.3	1630.0	1625.3
167.5°	1683.2	1684.2	1688.1	1692.0	1688.1	1684.2	1683.2	1669.2	1650.4	1641.0	1637.1
170°	1683.2	1683.2	1683.2	1683.2	1683.2	1683.2	1683.2	1669.2	1650.4	1641.0	1640.8
172.5°	1674.3	1673.4	1670.0	1666.5	1670.0	1673.4	1674.3	1663.2	1648.4	1641.0	1641.0
175°	1662.1	1662.1	1662.1	1662.1	1662.1	1662.1	1662.1	1655.1	1645.7	1641.0	1643.2
177.5°	1659.8	1658.9	1655.0	1651.1	1655.0	1658.9	1659.8	1654.3	1647.0	1643.2	1645.0
180°	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1



TEST NUMBER: P935173

CATALOG NUMBER: SQ4-FA-100U-075D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2815.9	2815.9	2815.9	2815.9	2815.9
2.5°	2781.3	2794.6	2802.6	2813.3	2839.9
5°	2674.7	2725.4	2741.3	2781.3	2829.3
7.5°	2440.3	2594.8	2637.4	2733.4	2807.9
10°	2213.8	2368.4	2443.0	2669.4	2781.3
12.5°	2099.2	2189.8	2240.4	2557.5	2744.0
15°	2027.3	2091.2	2128.5	2408.3	2701.4
17.5°	1971.4	2016.6	2043.3	2261.7	2642.8
20°	1936.7	1958.0	1982.0	2155.2	2576.2
22.5°	1912.8	1899.4	1918.1	2080.6	2485.6
25°	1896.8	1846.2	1867.5	2022.0	2379.0
27.5°	1910.1	1798.2	1806.2	1968.7	2267.1
30°	1912.8	1739.6	1742.3	1912.8	2141.9
32.5°	1894.1	1678.3	1681.0	1843.5	2000.7
35°	1848.8	1606.4	1603.7	1763.6	1808.9
37.5°	1787.5	1529.1	1529.1	1675.7	1598.4
40°	1713.0	1451.9	1459.9	1561.1	1411.9
42.5°	1622.4	1369.3	1380.0	1409.3	1273.4
45°	1523.8	1289.4	1297.4	1190.8	1166.8
47.5°	1414.6	1206.8	1209.5	988.3	1132.2
50°	1284.0	1121.5	1110.9	847.2	1129.5
52.5°	1169.5	1028.3	996.3	767.2	1025.6
55°	1057.6	929.7	860.5	706.0	951.0
57.5°	959.0	801.9	735.3	634.0	935.1
60°	868.5	676.7	626.0	556.8	857.8
62.5°	793.9	583.4	572.8	503.5	777.9
65°	714.0	519.5	516.8	458.2	660.7
67.5°	636.7	476.9	474.2	415.6	503.5
70°	554.1	431.6	426.2	370.3	373.0
72.5°	468.9	381.0	375.6	333.0	309.0
75°	383.6	322.3	319.7	290.4	250.4
77.5°	301.0	255.7	261.1	234.4	183.8
80°	215.8	186.5	191.8	167.8	138.5
82.5°	143.9	122.5	127.9	106.6	93.2
85°	79.9	69.3	71.9	55.9	42.6
87.5°	37.3	32.0	32.0	21.3	13.3
90°	48.8	31.0	28.8	20.0	11.1
92.5°	300.7	213.8	195.0	119.6	44.3
95°	739.8	416.6	382.2	244.3	106.4
97.5°	996.5	457.7	427.2	305.6	183.9
100°	1089.9	492.0	464.3	354.0	243.8
102.5°	1132.8	526.3	500.6	397.6	294.7
105°	1164.6	577.3	555.5	468.3	381.2
107.5°	1170.5	652.7	632.3	551.1	469.8
110°	1161.6	694.8	676.4	603.0	529.7



TEST NUMBER: P935173

CATALOG NUMBER: SQ4-FA-100U-075D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1162.0	745.7	728.2	658.4	588.4
115°	1172.7	822.2	806.0	741.6	677.0
117.5°	1194.5	896.4	881.8	823.2	764.6
120°	1212.3	939.7	925.9	870.7	815.5
122.5°	1237.8	990.7	976.7	921.1	865.4
125°	1272.1	1056.0	1043.3	992.6	941.9
127.5°	1306.4	1119.1	1106.4	1055.1	1003.9
130°	1331.6	1161.2	1147.5	1092.3	1037.2
132.5°	1351.8	1195.6	1181.8	1126.7	1071.5
135°	1374.0	1235.5	1223.0	1172.7	1122.5
137.5°	1407.2	1286.4	1274.0	1224.3	1174.6
140°	1427.5	1320.8	1309.4	1263.6	1217.8
142.5°	1444.5	1346.3	1335.7	1293.4	1251.0
145°	1466.7	1385.1	1375.9	1338.9	1302.0
147.5°	1499.2	1433.9	1424.9	1388.9	1353.0
150°	1516.3	1459.3	1451.2	1418.7	1386.2
152.5°	1527.3	1475.9	1469.8	1445.1	1420.5
155°	1551.7	1512.5	1508.0	1489.7	1471.5
157.5°	1576.1	1549.1	1544.7	1526.9	1509.2
160°	1587.1	1565.7	1562.3	1548.5	1534.6
162.5°	1598.9	1583.4	1580.8	1570.4	1560.1
165°	1615.9	1608.9	1606.6	1597.2	1587.8
167.5°	1629.2	1623.4	1622.2	1617.8	1613.3
170°	1640.3	1640.0	1638.9	1634.5	1630.0
172.5°	1641.0	1641.0	1640.8	1639.8	1638.8
175°	1647.7	1651.1	1651.1	1651.1	1651.1
177.5°	1648.5	1651.1	1651.1	1651.1	1651.1
180°	1651.1	1651.1	1651.1	1651.1	1651.1



TEST NUMBER: P935173
 CATALOG NUMBER: SQ4-FA-100U-075D-940-1D-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	11.39	12.18	12.43	13.22	14.62	14.24	15.03	15.28	16.07	17.47
	3H	11.86	12.56	12.91	13.61	15.03	15.59	16.29	16.63	17.34	18.76
	4H	12.05	12.72	13.11	13.77	15.19	16.04	16.70	17.09	17.75	19.18
	6H	12.17	12.78	13.23	13.83	15.27	16.32	16.93	17.39	17.99	19.43
	8H	12.16	12.75	13.23	13.82	15.25	16.40	16.98	17.47	18.05	19.48
	12H	12.13	12.69	13.21	13.75	15.21	16.44	16.99	17.51	18.05	19.51
4H	2H	12.42	13.08	13.48	14.14	15.56	14.64	15.31	15.71	16.36	17.78
	3H	13.44	13.99	14.51	15.07	16.51	16.15	16.70	17.22	17.78	19.22
	4H	13.71	14.22	14.79	15.29	16.75	16.68	17.18	17.75	18.25	19.71
	6H	13.83	14.27	14.92	15.36	16.82	17.04	17.48	18.13	18.57	20.03
	8H	13.84	14.24	14.92	15.33	16.80	17.15	17.56	18.24	18.64	20.11
	12H	13.80	14.17	14.90	15.27	16.74	17.21	17.58	18.31	18.67	20.15
8H	4H	14.16	14.57	15.25	15.66	17.13	16.79	17.20	17.88	18.29	19.76
	6H	14.42	14.76	15.53	15.89	17.35	17.23	17.57	18.34	18.70	20.16
	8H	14.46	14.76	15.58	15.87	17.36	17.39	17.68	18.50	18.79	20.28
	12H	14.44	14.70	15.56	15.81	17.33	17.49	17.75	18.60	18.85	20.38
12H	4H	14.17	14.53	15.27	15.63	17.11	16.75	17.12	17.86	18.22	19.70
	6H	14.48	14.78	15.60	15.89	17.38	17.23	17.52	18.34	18.63	20.12
	8H	14.55	14.81	15.66	15.91	17.44	17.39	17.65	18.51	18.75	20.28