

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: P935273

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

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935273
REPORT IS A COMBINATION OF REPORTS P933745 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-100D-940-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

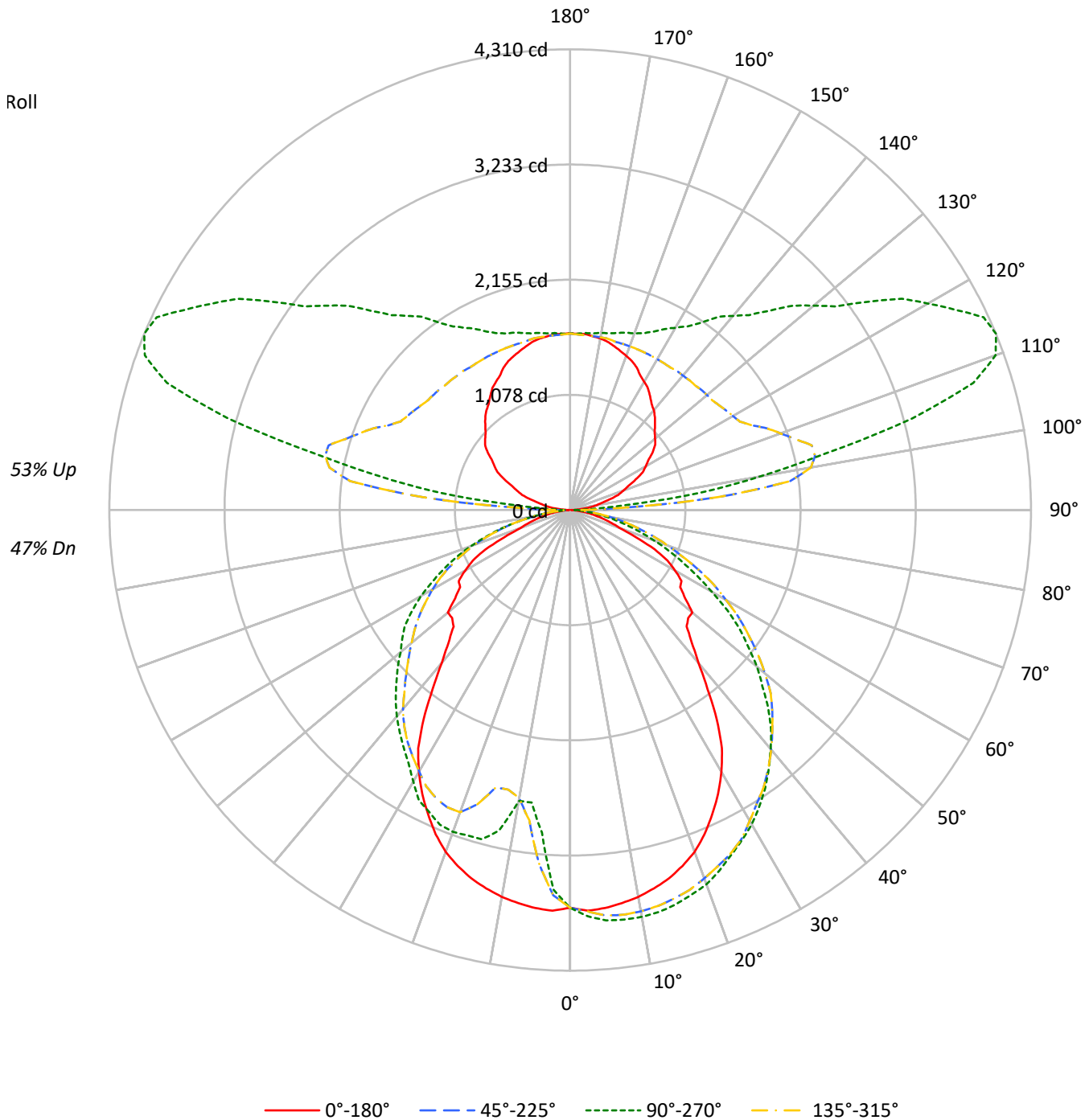
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20355.6 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 174
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P935273
CATALOG NUMBER: SQ4-FA-100U-100D-940-1D-UNV-STD-W-12

Luminous Intensity Polar Plot





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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	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	47	47	47	47
1	97	93	89	86	89	86	82	79	72	70	67	59	58	56	48	47	46	40	40	40	40
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	42	40	38	34	34	34	34
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	28	28	28	28
4	74	63	55	49	68	58	51	46	49	44	40	41	37	34	33	30	28	24	24	24	24
5	68	56	48	42	62	52	45	39	44	39	34	37	33	29	30	27	24	21	21	21	21
6	62	50	42	36	57	47	39	34	40	34	30	33	29	26	27	24	21	19	19	19	19
7	58	45	37	32	53	42	35	30	36	30	26	30	26	23	25	21	19	16	16	16	16
8	53	41	33	28	49	38	31	27	33	27	23	28	23	20	23	19	17	15	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13	13	13	13
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12	12	12	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11507	11507	11507	11507
5°	11598	11616	11598	9134
10°	11524	11443	11524	8181
15°	11403	11195	11403	9348
20°	11169	10901	11169	9367
25°	10686	10473	10686	9169
30°	10059	10117	10059	8733
35°	8972	9667	8972	8254
40°	7480	9138	7480	7892
45°	6688	8518	6688	7476
50°	7111	7779	7111	7059
55°	6696	6982	6696	6817
60°	6912	5930	6912	6244
65°	6276	4902	6276	5479
70°	4357	3906	4357	4593
75°	3835	2888	3835	3458
80°	3113	1909	3113	2079
85°	1824	1011	1824	860

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10244 cd/sqm



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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	335.8	1.6
10°-20°	953.5	4.7
20°-30°	1474.0	7.2
30°-40°	1759.6	8.6
40°-50°	1769.9	8.7
50°-60°	1540.0	7.6
60°-70°	1091.9	5.4
70°-80°	577.7	2.8
80°-90°	150.2	0.7
90°-100°	804.8	4.0
100°-110°	2115.8	10.4
110°-120°	2193.9	10.8
120°-130°	1759.8	8.6
130°-140°	1380.8	6.8
140°-150°	1059.8	5.2
150°-160°	763.2	3.7
160°-170°	467.0	2.3
170°-180°	157.8	0.8
0°-30°	2763.3	13.6
0°-40°	4522.9	22.2
0°-60°	7832.9	38.5
0°-90°	9652.6	47.4
90°-120°	5114.6	25.1
90°-150°	9315.0	45.8
90°-180°	10703.0	52.6
0°-180°	20355.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3720	3720	3720	3720	3720	
5°	3738	3854	3738	3031	3738	355
15°	3569	3819	3569	3189	3569	1004
25°	3143	3562	3143	3118	3143	1443
35°	2390	3178	2390	2714	2390	1479
45°	1542	2619	1542	2298	1542	1235
55°	1256	1932	1256	1887	1256	1155
65°	873	1165	873	1302	873	834
75°	331	553	331	662	331	348
85°	56	141	56	120	56	76
90°	11	42	11	42	11	12
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: P935273

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

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4
2.5°	3752.1	3752.1	3773.2	3780.2	3780.2	3769.6	3759.1	3769.6	3801.4	3811.9	3808.4
5°	3738.0	3766.2	3804.9	3811.9	3818.9	3815.5	3808.4	3815.5	3850.6	3857.6	3861.2
7.5°	3709.8	3762.6	3811.9	3822.5	3833.1	3822.5	3818.9	3826.0	3861.2	3868.2	3868.2
10°	3674.6	3748.6	3804.9	3811.9	3822.5	3811.9	3811.9	3826.0	3861.2	3868.2	3871.8
12.5°	3625.3	3727.5	3780.2	3787.3	3801.4	3797.8	3794.3	3808.4	3843.6	3850.6	3850.6
15°	3569.0	3688.8	3738.0	3745.1	3769.6	3762.6	3762.6	3776.8	3815.5	3826.0	3822.5
17.5°	3491.6	3639.5	3695.8	3706.3	3723.9	3720.4	3723.9	3738.0	3773.2	3780.2	3783.8
20°	3403.6	3572.6	3639.5	3650.0	3667.6	3667.6	3667.6	3685.2	3720.4	3734.5	3734.5
22.5°	3283.9	3502.2	3572.6	3579.6	3600.8	3600.8	3607.8	3632.4	3664.1	3667.6	3667.6
25°	3143.2	3424.7	3484.6	3505.7	3526.8	3537.3	3547.9	3562.0	3572.6	3569.0	3572.6
27.5°	2995.3	3326.2	3403.6	3417.7	3445.9	3456.5	3470.5	3474.0	3477.5	3488.1	3481.0
30°	2829.9	3188.9	3305.0	3319.2	3364.9	3371.9	3357.9	3364.9	3382.5	3389.6	3396.6
32.5°	2643.3	2984.7	3203.0	3234.6	3276.9	3255.8	3252.3	3262.9	3291.0	3291.0	3298.0
35°	2390.0	2826.4	3108.0	3136.1	3167.8	3143.2	3157.2	3160.7	3178.3	3188.9	3185.4
37.5°	2111.8	2689.1	3009.4	3030.6	3055.2	3023.5	3044.6	3055.2	3069.3	3062.2	3062.2
40°	1865.5	2474.4	2893.3	2907.3	2928.4	2903.8	2924.9	2932.0	2939.0	2932.0	2928.4
42.5°	1682.5	2238.6	2770.0	2787.7	2773.6	2791.2	2798.2	2812.3	2801.7	2787.7	2787.7
45°	1541.7	2175.2	2636.3	2657.4	2636.3	2664.4	2675.0	2675.0	2643.3	2636.3	2632.8
47.5°	1495.9	2048.5	2502.6	2502.6	2492.0	2527.2	2544.8	2520.1	2488.4	2478.0	2478.0
50°	1492.4	1907.7	2319.5	2305.4	2354.7	2397.0	2379.4	2354.7	2330.1	2291.4	2291.4
52.5°	1355.1	1735.2	2083.7	2136.5	2214.0	2238.6	2210.4	2185.8	2143.5	2126.0	2111.8
55°	1256.5	1555.8	1869.0	1974.6	2055.5	2087.2	2034.4	2009.8	1946.4	1935.8	1928.8
57.5°	1235.5	1295.2	1671.9	1805.7	1904.2	1900.7	1869.0	1823.2	1770.4	1759.9	1756.4
60°	1133.4	936.2	1460.7	1619.1	1721.2	1710.6	1682.5	1640.2	1590.9	1583.9	1576.8
62.5°	1027.8	679.3	1221.4	1400.9	1545.2	1541.7	1517.1	1453.7	1418.5	1400.9	1386.8
65°	872.9	570.2	869.4	1165.1	1372.7	1379.8	1326.9	1281.2	1242.5	1221.4	1217.8
67.5°	665.2	464.6	587.8	971.5	1207.3	1200.2	1133.4	1112.2	1062.9	1052.4	1031.3
70°	492.8	309.7	408.3	788.5	1045.4	1027.8	974.9	950.3	904.6	879.9	865.9
72.5°	408.3	249.9	299.2	612.5	879.9	858.8	813.1	784.9	746.2	725.1	711.0
75°	330.9	264.0	228.7	454.0	714.5	700.5	658.2	630.0	598.3	570.2	573.7
77.5°	242.9	246.4	183.0	334.4	566.7	545.6	520.9	485.7	471.6	443.5	443.5
80°	183.0	193.6	137.3	228.7	408.3	408.3	387.2	362.6	337.9	323.9	323.9
82.5°	123.2	123.2	102.0	144.3	278.0	267.5	253.4	246.4	232.3	225.3	225.3
85°	56.3	70.4	63.3	88.0	151.3	158.4	158.4	151.3	147.9	140.7	144.3
87.5°	17.6	31.7	38.7	49.3	77.4	81.0	84.4	84.4	84.4	88.0	88.0
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: P935273

CATALOG NUMBER: SQ4-FA-100U-100D-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: P935273

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

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4
2.5°	3815.5	3804.9	3815.5	3808.4	3811.9	3801.4	3769.6	3759.1	3769.6	3780.2	3780.2
5°	3861.2	3854.2	3861.2	3861.2	3857.6	3850.6	3815.5	3808.4	3815.5	3818.9	3811.9
7.5°	3875.2	3864.8	3875.2	3868.2	3868.2	3861.2	3826.0	3818.9	3822.5	3833.1	3822.5
10°	3875.2	3864.8	3875.2	3871.8	3868.2	3861.2	3826.0	3811.9	3811.9	3822.5	3811.9
12.5°	3857.6	3850.6	3857.6	3850.6	3850.6	3843.6	3808.4	3794.3	3797.8	3801.4	3787.3
15°	3829.5	3818.9	3829.5	3822.5	3826.0	3815.5	3776.8	3762.6	3762.6	3769.6	3745.1
17.5°	3787.3	3773.2	3787.3	3783.8	3780.2	3773.2	3738.0	3723.9	3720.4	3723.9	3706.3
20°	3738.0	3727.5	3738.0	3734.5	3734.5	3720.4	3685.2	3667.6	3667.6	3667.6	3650.0
22.5°	3660.6	3650.0	3660.6	3667.6	3667.6	3664.1	3632.4	3607.8	3600.8	3600.8	3579.6
25°	3572.6	3562.0	3572.6	3572.6	3569.0	3572.6	3562.0	3547.9	3537.3	3526.8	3505.7
27.5°	3488.1	3481.0	3488.1	3481.0	3488.1	3477.5	3474.0	3470.5	3456.5	3445.9	3417.7
30°	3403.6	3396.6	3403.6	3396.6	3389.6	3382.5	3364.9	3357.9	3371.9	3364.9	3319.2
32.5°	3298.0	3291.0	3298.0	3298.0	3291.0	3291.0	3262.9	3252.3	3255.8	3276.9	3234.6
35°	3188.9	3178.3	3188.9	3185.4	3188.9	3178.3	3160.7	3157.2	3143.2	3167.8	3136.1
37.5°	3062.2	3051.6	3062.2	3062.2	3062.2	3069.3	3055.2	3044.6	3023.5	3055.2	3030.6
40°	2932.0	2917.9	2932.0	2928.4	2932.0	2939.0	2932.0	2924.9	2903.8	2928.4	2907.3
42.5°	2784.1	2780.6	2784.1	2787.7	2787.7	2801.7	2812.3	2798.2	2791.2	2773.6	2787.7
45°	2625.7	2618.7	2625.7	2632.8	2636.3	2643.3	2675.0	2675.0	2664.4	2636.3	2657.4
47.5°	2456.8	2439.2	2456.8	2478.0	2478.0	2488.4	2520.1	2544.8	2527.2	2492.0	2502.6
50°	2277.3	2280.8	2277.3	2291.4	2291.4	2330.1	2354.7	2379.4	2397.0	2354.7	2305.4
52.5°	2101.3	2097.8	2101.3	2111.8	2126.0	2143.5	2185.8	2210.4	2238.6	2214.0	2136.5
55°	1925.3	1932.4	1925.3	1928.8	1935.8	1946.4	2009.8	2034.4	2087.2	2055.5	1974.6
57.5°	1749.4	1738.8	1749.4	1756.4	1759.9	1770.4	1823.2	1869.0	1900.7	1904.2	1805.7
60°	1545.2	1531.1	1545.2	1576.8	1583.9	1590.9	1640.2	1682.5	1710.6	1721.2	1619.1
62.5°	1365.7	1341.1	1365.7	1386.8	1400.9	1418.5	1453.7	1517.1	1541.7	1545.2	1400.9
65°	1175.6	1165.1	1175.6	1217.8	1221.4	1242.5	1281.2	1326.9	1379.8	1372.7	1165.1
67.5°	1003.2	1003.2	1003.2	1031.3	1052.4	1062.9	1112.2	1133.4	1200.2	1207.3	971.5
70°	844.8	841.2	844.8	865.9	879.9	904.6	950.3	974.9	1027.8	1045.4	788.5
72.5°	693.4	689.9	693.4	711.0	725.1	746.2	784.9	813.1	858.8	879.9	612.5
75°	559.6	552.6	559.6	573.7	570.2	598.3	630.0	658.2	700.5	714.5	454.0
77.5°	429.4	429.4	429.4	443.5	443.5	471.6	485.7	520.9	545.6	566.7	334.4
80°	320.3	316.7	320.3	323.9	323.9	337.9	362.6	387.2	408.3	408.3	228.7
82.5°	225.3	218.2	225.3	225.3	225.3	232.3	246.4	253.4	267.5	278.0	144.3
85°	140.7	140.7	140.7	144.3	140.7	147.9	151.3	158.4	158.4	151.3	88.0
87.5°	91.6	88.0	91.6	88.0	88.0	84.4	84.4	84.4	81.0	77.4	49.3
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: P935273

CATALOG NUMBER: SQ4-FA-100U-100D-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: P935273

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

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4
2.5°	3773.2	3752.1	3752.1	3716.9	3702.8	3692.2	3674.6	3621.9	3607.8	3593.6	3614.8
5°	3804.9	3766.2	3738.0	3674.6	3621.9	3600.8	3533.9	3407.2	3322.6	3259.3	3224.2
7.5°	3811.9	3762.6	3709.8	3611.3	3484.6	3428.3	3224.2	2991.8	2928.4	2872.1	2836.9
10°	3804.9	3748.6	3674.6	3526.8	3227.6	3129.0	2924.9	2773.6	2734.9	2724.3	2734.9
12.5°	3780.2	3727.5	3625.3	3379.0	2960.1	2893.3	2773.6	2685.6	2678.6	2696.1	2791.2
15°	3738.0	3688.8	3569.0	3181.9	2812.3	2763.0	2678.6	2646.9	2685.6	2808.7	3093.9
17.5°	3695.8	3639.5	3491.6	2988.3	2699.7	2664.4	2604.6	2668.0	2886.2	3051.6	3146.7
20°	3639.5	3572.6	3403.6	2847.5	2618.7	2587.0	2558.9	2844.0	3009.4	3069.3	3122.0
22.5°	3572.6	3502.2	3283.9	2749.0	2534.3	2509.6	2527.2	2942.6	3009.4	3051.6	3097.4
25°	3484.6	3424.7	3143.2	2671.5	2467.4	2439.2	2506.1	2932.0	2970.7	2981.3	3072.7
27.5°	3403.6	3326.2	2995.3	2601.1	2386.4	2375.8	2523.7	2886.2	2914.4	2924.9	3023.5
30°	3305.0	3188.9	2829.9	2527.2	2302.0	2298.4	2527.2	2829.9	2822.9	2851.0	2949.6
32.5°	3203.0	2984.7	2643.3	2435.7	2221.0	2217.4	2502.6	2745.4	2738.4	2777.1	2851.0
35°	3108.0	2826.4	2390.0	2330.1	2118.9	2122.4	2442.7	2646.9	2650.4	2685.6	2731.3
37.5°	3009.4	2689.1	2111.8	2214.0	2020.4	2020.4	2361.7	2555.4	2548.3	2558.9	2622.3
40°	2893.3	2474.4	1865.5	2062.6	1928.8	1918.3	2263.2	2456.8	2432.1	2428.7	2516.7
42.5°	2770.0	2238.6	1682.5	1862.0	1823.2	1809.1	2143.5	2337.1	2291.4	2302.0	2414.6
45°	2636.3	2175.2	1541.7	1573.4	1714.1	1703.5	2013.3	2199.8	2168.1	2196.4	2312.5
47.5°	2502.6	2048.5	1495.9	1305.8	1598.0	1594.5	1869.0	2066.1	2048.5	2076.7	2199.8
50°	2319.5	1907.7	1492.4	1119.3	1467.8	1481.8	1696.5	1935.8	1935.8	1960.5	2090.7
52.5°	2083.7	1735.2	1355.1	1013.7	1316.4	1358.6	1545.2	1823.2	1830.3	1854.9	1971.1
55°	1869.0	1555.8	1256.5	932.8	1136.9	1228.4	1397.4	1707.1	1721.2	1745.8	1851.4
57.5°	1671.9	1295.2	1235.5	837.7	971.5	1059.5	1267.1	1594.5	1601.5	1622.6	1724.7
60°	1460.7	936.2	1133.4	735.6	827.2	894.0	1147.5	1460.7	1485.4	1499.4	1587.4
62.5°	1221.4	679.3	1027.8	665.2	756.8	770.9	1048.9	1334.0	1365.7	1376.2	1429.1
65°	869.4	570.2	872.9	605.4	682.9	686.3	943.3	1203.8	1231.9	1249.5	1288.2
67.5°	587.8	464.6	665.2	549.1	626.5	630.0	841.2	1052.4	1091.1	1105.2	1129.9
70°	408.3	309.7	492.8	489.3	563.2	570.2	732.2	915.2	950.3	960.9	974.9
72.5°	299.2	249.9	408.3	440.0	496.3	503.3	619.5	760.3	795.5	806.0	813.1
75°	228.7	264.0	330.9	383.6	422.3	425.9	506.9	619.5	644.2	651.2	654.6
77.5°	183.0	246.4	242.9	309.7	344.9	337.9	397.7	478.7	499.8	499.8	499.8
80°	137.3	193.6	183.0	221.7	253.4	246.4	285.1	341.4	348.5	355.5	352.0
82.5°	102.0	123.2	123.2	140.7	169.0	161.9	190.0	221.7	221.7	221.7	228.7
85°	63.3	70.4	56.3	73.9	95.0	91.6	105.6	119.7	123.2	123.2	116.2
87.5°	38.7	31.7	17.6	28.1	42.3	42.3	49.3	52.8	49.3	49.3	49.3
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: P935273

CATALOG NUMBER: SQ4-FA-100U-100D-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: P935273

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

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4
2.5°	3590.2	3579.6	3593.6	3554.9	3593.6	3579.6	3590.2	3614.8	3593.6	3607.8	3621.9
5°	3150.2	3132.6	3076.3	3030.6	3076.3	3132.6	3150.2	3224.2	3259.3	3322.6	3407.2
7.5°	2815.8	2801.7	2787.7	2759.5	2787.7	2801.7	2815.8	2836.9	2872.1	2928.4	2991.8
10°	2741.9	2745.4	2766.6	2763.0	2766.6	2745.4	2741.9	2734.9	2724.3	2734.9	2773.6
12.5°	2932.0	2963.6	3079.8	3072.7	3079.8	2963.6	2932.0	2791.2	2696.1	2678.6	2685.6
15°	3150.2	3160.7	3185.4	3188.9	3185.4	3160.7	3150.2	3093.9	2808.7	2685.6	2646.9
17.5°	3171.3	3174.9	3192.4	3192.4	3192.4	3174.9	3171.3	3146.7	3051.6	2886.2	2668.0
20°	3153.7	3160.7	3195.9	3203.0	3195.9	3160.7	3153.7	3122.0	3069.3	3009.4	2844.0
22.5°	3146.7	3160.7	3188.9	3185.4	3188.9	3160.7	3146.7	3097.4	3051.6	3009.4	2942.6
25°	3111.5	3111.5	3115.0	3118.5	3115.0	3111.5	3111.5	3072.7	2981.3	2970.7	2932.0
27.5°	3037.6	3044.6	3065.7	3062.2	3065.7	3044.6	3037.6	3023.5	2924.9	2914.4	2886.2
30°	2970.7	2963.6	2946.0	2932.0	2946.0	2963.6	2970.7	2949.6	2851.0	2822.9	2829.9
32.5°	2858.0	2840.4	2822.9	2812.3	2822.9	2840.4	2858.0	2851.0	2777.1	2738.4	2745.4
35°	2724.3	2727.8	2724.3	2713.7	2724.3	2727.8	2724.3	2731.3	2685.6	2650.4	2646.9
37.5°	2629.3	2636.3	2632.8	2618.7	2632.8	2636.3	2629.3	2622.3	2558.9	2548.3	2555.4
40°	2530.7	2534.3	2530.7	2520.1	2530.7	2534.3	2530.7	2516.7	2428.7	2432.1	2456.8
42.5°	2435.7	2432.1	2421.6	2414.6	2421.6	2432.1	2435.7	2414.6	2302.0	2291.4	2337.1
45°	2326.6	2330.1	2309.0	2298.4	2309.0	2330.1	2326.6	2312.5	2196.4	2168.1	2199.8
47.5°	2217.4	2217.4	2199.8	2189.3	2199.8	2217.4	2217.4	2199.8	2076.7	2048.5	2066.1
50°	2101.3	2097.8	2073.1	2069.7	2073.1	2097.8	2101.3	2090.7	1960.5	1935.8	1935.8
52.5°	1967.5	1967.5	1971.1	1978.1	1971.1	1967.5	1967.5	1971.1	1854.9	1830.3	1823.2
55°	1851.4	1854.9	1879.5	1886.6	1879.5	1854.9	1851.4	1851.4	1745.8	1721.2	1707.1
57.5°	1731.7	1731.7	1749.4	1749.4	1749.4	1731.7	1731.7	1724.7	1622.6	1601.5	1594.5
60°	1594.5	1601.5	1615.5	1612.1	1615.5	1601.5	1594.5	1587.4	1499.4	1485.4	1460.7
62.5°	1450.1	1457.2	1460.7	1453.7	1460.7	1457.2	1450.1	1429.1	1376.2	1365.7	1334.0
65°	1298.8	1305.8	1309.4	1302.3	1309.4	1305.8	1298.8	1288.2	1249.5	1231.9	1203.8
67.5°	1143.9	1140.4	1136.9	1150.9	1136.9	1140.4	1143.9	1129.9	1105.2	1091.1	1052.4
70°	985.5	985.5	982.0	989.1	982.0	985.5	985.5	974.9	960.9	950.3	915.2
72.5°	816.6	813.1	827.2	816.6	827.2	813.1	816.6	813.1	806.0	795.5	760.3
75°	651.2	658.2	651.2	661.7	651.2	658.2	651.2	654.6	651.2	644.2	619.5
77.5°	496.3	503.3	496.3	496.3	496.3	503.3	496.3	499.8	499.8	499.8	478.7
80°	352.0	348.5	348.5	344.9	348.5	348.5	352.0	352.0	355.5	348.5	341.4
82.5°	225.3	221.7	221.7	228.7	221.7	221.7	225.3	228.7	221.7	221.7	221.7
85°	123.2	126.7	119.7	119.7	119.7	126.7	123.2	116.2	123.2	123.2	119.7
87.5°	45.7	42.3	42.3	42.3	42.3	42.3	45.7	49.3	49.3	49.3	52.8
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: P935273

CATALOG NUMBER: SQ4-FA-100U-100D-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: P935273

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

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3720.4	3720.4	3720.4	3720.4	3720.4
2.5°	3674.6	3692.2	3702.8	3716.9	3752.1
5°	3533.9	3600.8	3621.9	3674.6	3738.0
7.5°	3224.2	3428.3	3484.6	3611.3	3709.8
10°	2924.9	3129.0	3227.6	3526.8	3674.6
12.5°	2773.6	2893.3	2960.1	3379.0	3625.3
15°	2678.6	2763.0	2812.3	3181.9	3569.0
17.5°	2604.6	2664.4	2699.7	2988.3	3491.6
20°	2558.9	2587.0	2618.7	2847.5	3403.6
22.5°	2527.2	2509.6	2534.3	2749.0	3283.9
25°	2506.1	2439.2	2467.4	2671.5	3143.2
27.5°	2523.7	2375.8	2386.4	2601.1	2995.3
30°	2527.2	2298.4	2302.0	2527.2	2829.9
32.5°	2502.6	2217.4	2221.0	2435.7	2643.3
35°	2442.7	2122.4	2118.9	2330.1	2390.0
37.5°	2361.7	2020.4	2020.4	2214.0	2111.8
40°	2263.2	1918.3	1928.8	2062.6	1865.5
42.5°	2143.5	1809.1	1823.2	1862.0	1682.5
45°	2013.3	1703.5	1714.1	1573.4	1541.7
47.5°	1869.0	1594.5	1598.0	1305.8	1495.9
50°	1696.5	1481.8	1467.8	1119.3	1492.4
52.5°	1545.2	1358.6	1316.4	1013.7	1355.1
55°	1397.4	1228.4	1136.9	932.8	1256.5
57.5°	1267.1	1059.5	971.5	837.7	1235.5
60°	1147.5	894.0	827.2	735.6	1133.4
62.5°	1048.9	770.9	756.8	665.2	1027.8
65°	943.3	686.3	682.9	605.4	872.9
67.5°	841.2	630.0	626.5	549.1	665.2
70°	732.2	570.2	563.2	489.3	492.8
72.5°	619.5	503.3	496.3	440.0	408.3
75°	506.9	425.9	422.3	383.6	330.9
77.5°	397.7	337.9	344.9	309.7	242.9
80°	285.1	246.4	253.4	221.7	183.0
82.5°	190.0	161.9	169.0	140.7	123.2
85°	105.6	91.6	95.0	73.9	56.3
87.5°	49.3	42.3	42.3	28.1	17.6
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: P935273

CATALOG NUMBER: SQ4-FA-100U-100D-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: P935273
 CATALOG NUMBER: SQ4-FA-100U-100D-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	13.06	13.90	14.04	14.89	16.19	15.91	16.75	16.89	17.74	19.05
	3H	13.53	14.28	14.52	15.28	16.61	17.26	18.01	18.25	19.01	20.34
	4H	13.72	14.43	14.72	15.44	16.77	17.71	18.42	18.71	19.42	20.76
	6H	13.84	14.49	14.85	15.50	16.85	17.99	18.65	19.01	19.66	21.01
	8H	13.84	14.46	14.86	15.49	16.84	18.07	18.69	19.09	19.72	21.07
	12H	13.81	14.40	14.83	15.42	16.79	18.11	18.71	19.14	19.73	21.10
4H	2H	14.09	14.80	15.10	15.81	17.14	16.31	17.02	17.32	18.03	19.37
	3H	15.12	15.71	16.13	16.74	18.09	17.82	18.42	18.84	19.45	20.80
	4H	15.39	15.93	16.42	16.96	18.33	18.35	18.90	19.38	19.92	21.30
	6H	15.51	15.98	16.55	17.03	18.40	18.72	19.19	19.76	20.24	21.61
	8H	15.52	15.96	16.56	17.00	18.38	18.83	19.27	19.87	20.31	21.70
	12H	15.49	15.88	16.54	16.94	18.33	18.89	19.29	19.95	20.34	21.73
8H	4H	15.85	16.28	16.88	17.32	18.71	18.48	18.91	19.51	19.95	21.34
	6H	16.11	16.47	17.17	17.55	18.93	18.92	19.28	19.98	20.36	21.74
	8H	16.15	16.47	17.22	17.53	18.94	19.07	19.39	20.14	20.46	21.86
	12H	16.13	16.41	17.21	17.47	18.92	19.17	19.45	20.25	20.52	21.96
12H	4H	15.85	16.25	16.91	17.30	18.69	18.44	18.83	19.50	19.89	21.28
	6H	16.17	16.49	17.24	17.55	18.96	18.91	19.23	19.98	20.30	21.70
	8H	16.23	16.51	17.31	17.58	19.02	19.08	19.36	20.15	20.42	21.86