

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: P935149

Luminaire Tested: SQ4-FA-100U-075D-930-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935149
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-930-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

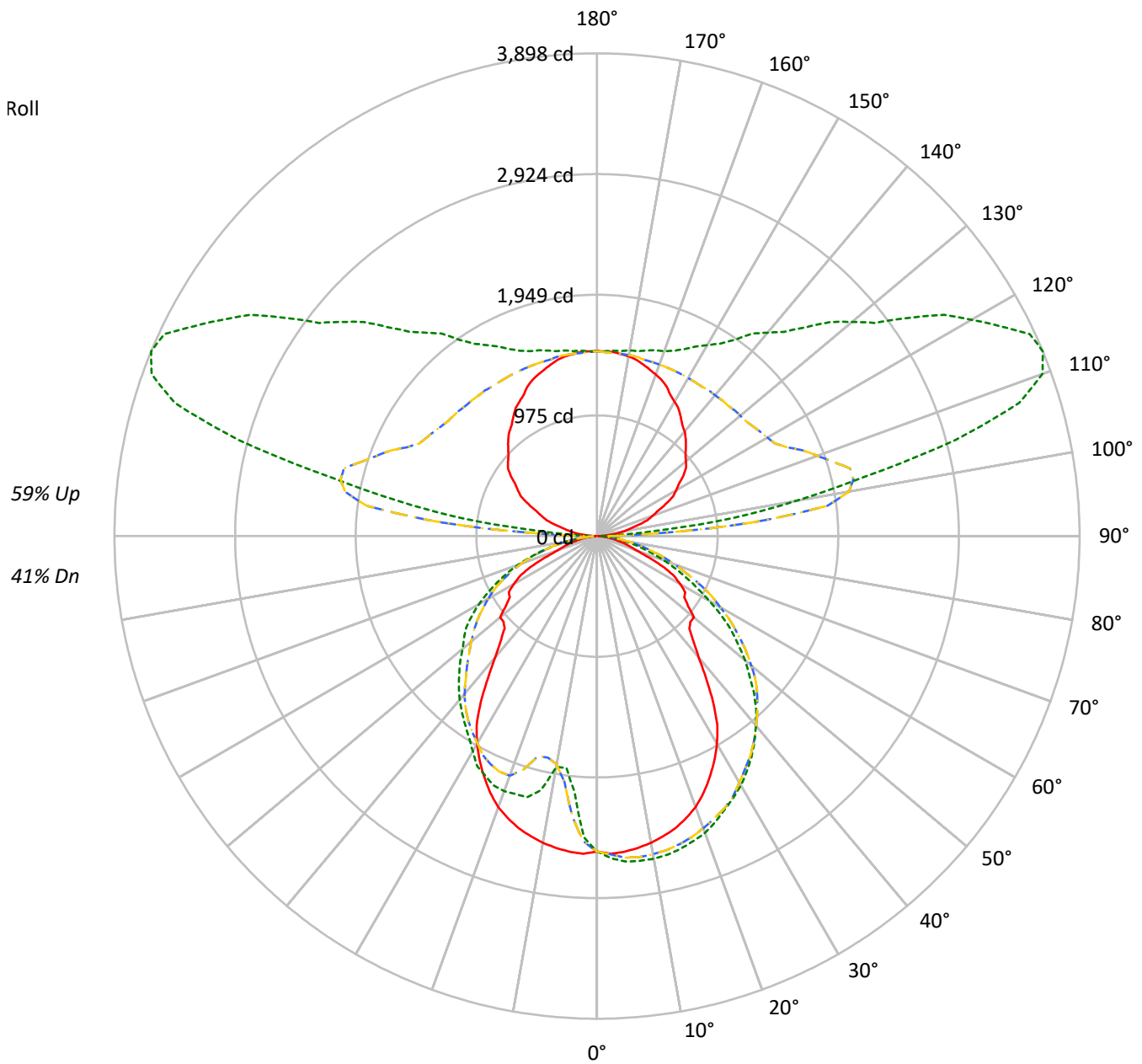
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16286.4 lumens
Efficiency: N/A
Efficacy: 110.3 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: P935149
CATALOG NUMBER: SQ4-FA-100U-075D-930-1D-UNV-STD-W-12

Luminous Intensity Polar Plot



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



TEST NUMBER: P935149

CATALOG NUMBER: SQ4-FA-100U-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	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°	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: P935149

CATALOG NUMBER: SQ4-FA-100U-075D-930-1D-UNV-STD-W-12

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.9	1.4
10°-20°	652.6	4.0
20°-30°	1008.8	6.2
30°-40°	1204.3	7.4
40°-50°	1211.4	7.4
50°-60°	1054.0	6.5
60°-70°	747.3	4.6
70°-80°	395.4	2.4
80°-90°	104.2	0.6
90°-100°	727.8	4.5
100°-110°	1913.3	11.7
110°-120°	1983.9	12.2
120°-130°	1591.3	9.8
130°-140°	1248.6	7.7
140°-150°	958.4	5.9
150°-160°	690.2	4.2
160°-170°	422.3	2.6
170°-180°	142.7	0.9
0°-30°	1891.3	11.6
0°-40°	3095.6	19.0
0°-60°	5361.0	32.9
0°-90°	6607.9	40.6
90°-120°	4625.0	28.4
90°-150°	8423.3	51.7
90°-180°	9679.0	59.4
0°-180°	16286.4	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°	10	38	10	38	10	10
95°	96	440	96	440	96	107
105°	345	2996	345	2996	345	365
115°	612	3858	612	3858	612	605
125°	852	3072	852	3072	852	756
135°	1015	2384	1015	2384	1015	785
145°	1177	1934	1177	1934	1177	738
155°	1331	1665	1331	1665	1331	611
165°	1436	1551	1436	1551	1436	405
175°	1493	1503	1493	1503	1493	142
180°	1493	1493	1493	1493	1493	



TEST NUMBER: P935149

CATALOG NUMBER: SQ4-FA-100U-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°	10.0	18.1	26.0	28.0	44.1	65.4	76.1	67.7	50.7	38.1	38.1
92.5°	40.1	108.2	176.3	193.4	271.9	376.5	428.9	375.9	269.9	190.4	182.8
95°	96.2	220.9	345.6	376.8	669.0	1058.7	1253.5	1118.6	848.7	646.3	623.3
97.5°	166.3	276.3	386.3	413.9	901.1	1550.8	1875.7	1790.4	1619.9	1492.0	1448.4
100°	220.4	320.2	419.9	444.9	985.6	1706.6	2067.2	2073.4	2085.9	2095.2	2043.2
102.5°	266.5	359.6	452.7	475.9	1024.4	1755.7	2121.3	2229.9	2447.2	2610.2	2565.7
105°	344.7	423.5	502.4	522.0	1053.1	1761.2	2115.3	2358.9	2846.1	3211.4	3187.5
107.5°	424.9	498.3	571.8	590.2	1058.4	1682.8	1995.0	2334.8	3014.4	3524.0	3529.8
110°	479.0	545.3	611.6	628.3	1050.4	1613.3	1894.8	2274.7	3034.4	3604.2	3629.2



TEST NUMBER: P935149

CATALOG NUMBER: SQ4-FA-100U-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°	532.1	595.3	658.5	674.4	1050.8	1552.7	1803.6	2192.4	2970.0	3553.1	3591.4
115°	612.2	670.6	728.9	743.5	1060.4	1483.1	1694.4	2068.9	2818.0	3379.7	3432.8
117.5°	691.4	744.4	797.4	810.6	1080.2	1439.5	1619.2	1957.2	2633.3	3140.3	3199.2
120°	737.5	787.3	837.3	849.7	1096.3	1424.9	1589.2	1898.1	2515.7	2979.0	3036.2
122.5°	782.6	833.0	883.2	895.8	1119.3	1417.2	1566.2	1844.3	2400.5	2817.6	2874.1
125°	851.7	897.6	943.4	954.9	1150.3	1410.9	1541.1	1777.4	2249.8	2604.2	2656.2
127.5°	907.8	954.1	1000.5	1012.0	1181.4	1407.2	1520.1	1722.9	2128.6	2432.8	2476.7
130°	937.9	987.8	1037.6	1050.1	1204.1	1409.4	1512.0	1692.6	2053.8	2324.7	2365.2
132.5°	969.0	1018.8	1068.7	1081.2	1222.4	1410.8	1505.0	1666.6	1990.0	2232.5	2268.8
135°	1015.1	1060.4	1105.9	1117.2	1242.5	1409.5	1493.0	1628.4	1899.1	2102.2	2133.5
137.5°	1062.1	1107.1	1152.1	1163.3	1272.5	1418.2	1491.0	1605.4	1834.4	2006.1	2031.7
140°	1101.2	1142.7	1184.0	1194.4	1290.9	1419.6	1483.9	1582.8	1780.6	1928.9	1952.8
142.5°	1131.3	1169.6	1207.9	1217.4	1306.2	1424.7	1483.9	1570.8	1744.5	1874.8	1895.3
145°	1177.4	1210.8	1244.2	1252.5	1326.3	1424.8	1474.0	1545.0	1687.0	1793.6	1809.2
147.5°	1223.5	1256.0	1288.5	1296.6	1355.7	1434.6	1474.0	1529.9	1641.7	1725.5	1738.4
150°	1253.5	1282.9	1312.3	1319.7	1371.1	1439.7	1474.0	1521.2	1615.6	1686.4	1696.8
152.5°	1284.6	1306.8	1329.1	1334.7	1381.1	1443.0	1474.0	1514.3	1594.8	1655.3	1663.2
155°	1330.7	1347.1	1363.7	1367.7	1403.2	1450.4	1474.0	1506.0	1570.1	1618.2	1623.4
157.5°	1364.7	1380.8	1396.8	1400.8	1425.2	1457.8	1474.0	1498.9	1548.7	1586.2	1589.9
160°	1387.7	1400.3	1412.7	1415.8	1435.2	1461.1	1474.0	1495.3	1538.1	1570.1	1572.2
162.5°	1410.8	1420.1	1429.5	1431.8	1445.9	1464.6	1474.0	1492.0	1528.0	1555.1	1557.1
165°	1435.8	1444.3	1452.8	1454.9	1461.2	1469.7	1474.0	1486.9	1512.7	1532.0	1534.1
167.5°	1458.9	1462.9	1466.9	1468.0	1473.3	1480.4	1483.9	1492.5	1509.4	1522.1	1523.0
170°	1474.0	1478.0	1482.0	1483.0	1483.3	1483.7	1483.9	1492.5	1509.4	1522.1	1522.1
172.5°	1481.9	1482.8	1483.7	1483.9	1483.9	1483.9	1483.9	1490.6	1504.0	1514.1	1513.3
175°	1493.0	1493.0	1493.0	1493.0	1490.0	1486.0	1483.9	1488.2	1496.6	1503.0	1503.0
177.5°	1493.0	1493.0	1493.0	1493.0	1490.7	1487.6	1486.0	1489.3	1496.0	1501.0	1500.1
180°	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0



TEST NUMBER: P935149

CATALOG NUMBER: SQ4-FA-100U-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°	38.1	38.1	38.1	38.1	38.1	50.7	67.7	76.1	65.4	44.1	28.0
92.5°	152.5	122.2	152.5	182.8	190.4	269.9	375.9	428.9	376.5	271.9	193.4
95°	531.6	439.9	531.6	623.3	646.3	848.7	1118.6	1253.5	1058.7	669.0	376.8
97.5°	1273.8	1099.2	1273.8	1448.4	1492.0	1619.9	1790.4	1875.7	1550.8	901.1	413.9
100°	1835.3	1627.3	1835.3	2043.2	2095.2	2085.9	2073.4	2067.2	1706.6	985.6	444.9
102.5°	2387.6	2209.5	2387.6	2565.7	2610.2	2447.2	2229.9	2121.3	1755.7	1024.4	475.9
105°	3091.7	2996.0	3091.7	3187.5	3211.4	2846.1	2358.9	2115.3	1761.2	1053.1	522.0
107.5°	3553.0	3576.2	3553.0	3529.8	3524.0	3014.4	2334.8	1995.0	1682.8	1058.4	590.2
110°	3728.9	3828.7	3728.9	3629.2	3604.2	3034.4	2274.7	1894.8	1613.3	1050.4	628.3



TEST NUMBER: P935149

CATALOG NUMBER: SQ4-FA-100U-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°	3744.6	3897.8	3744.6	3591.4	3553.1	2970.0	2192.4	1803.6	1552.7	1050.8	674.4
115°	3645.3	3857.7	3645.3	3432.8	3379.7	2818.0	2068.9	1694.4	1483.1	1060.4	743.5
117.5°	3434.8	3670.4	3434.8	3199.2	3140.3	2633.3	1957.2	1619.2	1439.5	1080.2	810.6
120°	3265.1	3494.0	3265.1	3036.2	2979.0	2515.7	1898.1	1589.2	1424.9	1096.3	849.7
122.5°	3099.8	3325.6	3099.8	2874.1	2817.6	2400.5	1844.3	1566.2	1417.2	1119.3	895.8
125°	2864.1	3072.1	2864.1	2656.2	2604.2	2249.8	1777.4	1541.1	1410.9	1150.3	954.9
127.5°	2652.2	2827.7	2652.2	2476.7	2432.8	2128.6	1722.9	1520.1	1407.2	1181.4	1012.0
130°	2527.3	2689.4	2527.3	2365.2	2324.7	2053.8	1692.6	1512.0	1409.4	1204.1	1050.1
132.5°	2414.0	2559.2	2414.0	2268.8	2232.5	1990.0	1666.6	1505.0	1410.8	1222.4	1081.2
135°	2258.6	2383.8	2258.6	2133.5	2102.2	1899.1	1628.4	1493.0	1409.5	1242.5	1117.2
137.5°	2134.1	2236.5	2134.1	2031.7	2006.1	1834.4	1605.4	1491.0	1418.2	1272.5	1163.3
140°	2048.6	2144.3	2048.6	1952.8	1928.9	1780.6	1582.8	1483.9	1419.6	1290.9	1194.4
142.5°	1977.7	2060.1	1977.7	1895.3	1874.8	1744.5	1570.8	1483.9	1424.7	1306.2	1217.4
145°	1871.6	1933.9	1871.6	1809.2	1793.6	1687.0	1545.0	1474.0	1424.8	1326.3	1252.5
147.5°	1790.0	1841.7	1790.0	1738.4	1725.5	1641.7	1529.9	1474.0	1434.6	1355.7	1296.6
150°	1738.7	1780.6	1738.7	1696.8	1686.4	1615.6	1521.2	1474.0	1439.7	1371.1	1319.7
152.5°	1694.8	1726.4	1694.8	1663.2	1655.3	1594.8	1514.3	1474.0	1443.0	1381.1	1334.7
155°	1644.4	1665.3	1644.4	1623.4	1618.2	1570.1	1506.0	1474.0	1450.4	1403.2	1367.7
157.5°	1604.6	1619.2	1604.6	1589.9	1586.2	1548.7	1498.9	1474.0	1457.8	1425.2	1400.8
160°	1580.7	1589.2	1580.7	1572.2	1570.1	1538.1	1495.3	1474.0	1461.1	1435.2	1415.8
162.5°	1565.1	1573.2	1565.1	1557.1	1555.1	1528.0	1492.0	1474.0	1464.6	1445.9	1431.8
165°	1542.6	1551.1	1542.6	1534.1	1532.0	1512.7	1486.9	1474.0	1469.7	1461.2	1454.9
167.5°	1526.5	1530.0	1526.5	1523.0	1522.1	1509.4	1492.5	1483.9	1480.4	1473.3	1468.0
170°	1522.1	1522.1	1522.1	1522.1	1522.1	1509.4	1492.5	1483.9	1483.7	1483.3	1483.0
172.5°	1510.1	1507.0	1510.1	1513.3	1514.1	1504.0	1490.6	1483.9	1483.9	1483.9	1483.9
175°	1503.0	1503.0	1503.0	1503.0	1503.0	1496.6	1488.2	1483.9	1486.0	1490.0	1493.0
177.5°	1496.6	1493.0	1496.6	1500.1	1501.0	1496.0	1489.3	1486.0	1487.6	1490.7	1493.0
180°	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0



TEST NUMBER: P935149

CATALOG NUMBER: SQ4-FA-100U-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°	26.0	18.1	10.0	18.1	26.0	28.0	44.1	65.4	76.1	67.7	50.7
92.5°	176.3	108.2	40.1	108.2	176.3	193.4	271.9	376.5	428.9	375.9	269.9
95°	345.6	220.9	96.2	220.9	345.6	376.8	669.0	1058.7	1253.5	1118.6	848.7
97.5°	386.3	276.3	166.3	276.3	386.3	413.9	901.1	1550.8	1875.7	1790.4	1619.9
100°	419.9	320.2	220.4	320.2	419.9	444.9	985.6	1706.6	2067.2	2073.4	2085.9
102.5°	452.7	359.6	266.5	359.6	452.7	475.9	1024.4	1755.7	2121.3	2229.9	2447.2
105°	502.4	423.5	344.7	423.5	502.4	522.0	1053.1	1761.2	2115.3	2358.9	2846.1
107.5°	571.8	498.3	424.9	498.3	571.8	590.2	1058.4	1682.8	1995.0	2334.8	3014.4
110°	611.6	545.3	479.0	545.3	611.6	628.3	1050.4	1613.3	1894.8	2274.7	3034.4



TEST NUMBER: P935149

CATALOG NUMBER: SQ4-FA-100U-075D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	658.5	595.3	532.1	595.3	658.5	674.4	1050.8	1552.7	1803.6	2192.4	2970.0
115°	728.9	670.6	612.2	670.6	728.9	743.5	1060.4	1483.1	1694.4	2068.9	2818.0
117.5°	797.4	744.4	691.4	744.4	797.4	810.6	1080.2	1439.5	1619.2	1957.2	2633.3
120°	837.3	787.3	737.5	787.3	837.3	849.7	1096.3	1424.9	1589.2	1898.1	2515.7
122.5°	883.2	833.0	782.6	833.0	883.2	895.8	1119.3	1417.2	1566.2	1844.3	2400.5
125°	943.4	897.6	851.7	897.6	943.4	954.9	1150.3	1410.9	1541.1	1777.4	2249.8
127.5°	1000.5	954.1	907.8	954.1	1000.5	1012.0	1181.4	1407.2	1520.1	1722.9	2128.6
130°	1037.6	987.8	937.9	987.8	1037.6	1050.1	1204.1	1409.4	1512.0	1692.6	2053.8
132.5°	1068.7	1018.8	969.0	1018.8	1068.7	1081.2	1222.4	1410.8	1505.0	1666.6	1990.0
135°	1105.9	1060.4	1015.1	1060.4	1105.9	1117.2	1242.5	1409.5	1493.0	1628.4	1899.1
137.5°	1152.1	1107.1	1062.1	1107.1	1152.1	1163.3	1272.5	1418.2	1491.0	1605.4	1834.4
140°	1184.0	1142.7	1101.2	1142.7	1184.0	1194.4	1290.9	1419.6	1483.9	1582.8	1780.6
142.5°	1207.9	1169.6	1131.3	1169.6	1207.9	1217.4	1306.2	1424.7	1483.9	1570.8	1744.5
145°	1244.2	1210.8	1177.4	1210.8	1244.2	1252.5	1326.3	1424.8	1474.0	1545.0	1687.0
147.5°	1288.5	1256.0	1223.5	1256.0	1288.5	1296.6	1355.7	1434.6	1474.0	1529.9	1641.7
150°	1312.3	1282.9	1253.5	1282.9	1312.3	1319.7	1371.1	1439.7	1474.0	1521.2	1615.6
152.5°	1329.1	1306.8	1284.6	1306.8	1329.1	1334.7	1381.1	1443.0	1474.0	1514.3	1594.8
155°	1363.7	1347.1	1330.7	1347.1	1363.7	1367.7	1403.2	1450.4	1474.0	1506.0	1570.1
157.5°	1396.8	1380.8	1364.7	1380.8	1396.8	1400.8	1425.2	1457.8	1474.0	1498.9	1548.7
160°	1412.7	1400.3	1387.7	1400.3	1412.7	1415.8	1435.2	1461.1	1474.0	1495.3	1538.1
162.5°	1429.5	1420.1	1410.8	1420.1	1429.5	1431.8	1445.9	1464.6	1474.0	1492.0	1528.0
165°	1452.8	1444.3	1435.8	1444.3	1452.8	1454.9	1461.2	1469.7	1474.0	1486.9	1512.7
167.5°	1466.9	1462.9	1458.9	1462.9	1466.9	1468.0	1473.3	1480.4	1483.9	1492.5	1509.4
170°	1482.0	1478.0	1474.0	1478.0	1482.0	1483.0	1483.3	1483.7	1483.9	1492.5	1509.4
172.5°	1483.7	1482.8	1481.9	1482.8	1483.7	1483.9	1483.9	1483.9	1483.9	1490.6	1504.0
175°	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1490.0	1486.0	1483.9	1488.2	1496.6
177.5°	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1490.7	1487.6	1486.0	1489.3	1496.0
180°	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0



TEST NUMBER: P935149
 CATALOG NUMBER: SQ4-FA-100U-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°	38.1	38.1	38.1	38.1	38.1	38.1	38.1	50.7	67.7	76.1	65.4
92.5°	190.4	182.8	152.5	122.2	152.5	182.8	190.4	269.9	375.9	428.9	376.5
95°	646.3	623.3	531.6	439.9	531.6	623.3	646.3	848.7	1118.6	1253.5	1058.7
97.5°	1492.0	1448.4	1273.8	1099.2	1273.8	1448.4	1492.0	1619.9	1790.4	1875.7	1550.8
100°	2095.2	2043.2	1835.3	1627.3	1835.3	2043.2	2095.2	2085.9	2073.4	2067.2	1706.6
102.5°	2610.2	2565.7	2387.6	2209.5	2387.6	2565.7	2610.2	2447.2	2229.9	2121.3	1755.7
105°	3211.4	3187.5	3091.7	2996.0	3091.7	3187.5	3211.4	2846.1	2358.9	2115.3	1761.2
107.5°	3524.0	3529.8	3553.0	3576.2	3553.0	3529.8	3524.0	3014.4	2334.8	1995.0	1682.8
110°	3604.2	3629.2	3728.9	3828.7	3728.9	3629.2	3604.2	3034.4	2274.7	1894.8	1613.3



TEST NUMBER: P935149

CATALOG NUMBER: SQ4-FA-100U-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°	3553.1	3591.4	3744.6	3897.8	3744.6	3591.4	3553.1	2970.0	2192.4	1803.6	1552.7
115°	3379.7	3432.8	3645.3	3857.7	3645.3	3432.8	3379.7	2818.0	2068.9	1694.4	1483.1
117.5°	3140.3	3199.2	3434.8	3670.4	3434.8	3199.2	3140.3	2633.3	1957.2	1619.2	1439.5
120°	2979.0	3036.2	3265.1	3494.0	3265.1	3036.2	2979.0	2515.7	1898.1	1589.2	1424.9
122.5°	2817.6	2874.1	3099.8	3325.6	3099.8	2874.1	2817.6	2400.5	1844.3	1566.2	1417.2
125°	2604.2	2656.2	2864.1	3072.1	2864.1	2656.2	2604.2	2249.8	1777.4	1541.1	1410.9
127.5°	2432.8	2476.7	2652.2	2827.7	2652.2	2476.7	2432.8	2128.6	1722.9	1520.1	1407.2
130°	2324.7	2365.2	2527.3	2689.4	2527.3	2365.2	2324.7	2053.8	1692.6	1512.0	1409.4
132.5°	2232.5	2268.8	2414.0	2559.2	2414.0	2268.8	2232.5	1990.0	1666.6	1505.0	1410.8
135°	2102.2	2133.5	2258.6	2383.8	2258.6	2133.5	2102.2	1899.1	1628.4	1493.0	1409.5
137.5°	2006.1	2031.7	2134.1	2236.5	2134.1	2031.7	2006.1	1834.4	1605.4	1491.0	1418.2
140°	1928.9	1952.8	2048.6	2144.3	2048.6	1952.8	1928.9	1780.6	1582.8	1483.9	1419.6
142.5°	1874.8	1895.3	1977.7	2060.1	1977.7	1895.3	1874.8	1744.5	1570.8	1483.9	1424.7
145°	1793.6	1809.2	1871.6	1933.9	1871.6	1809.2	1793.6	1687.0	1545.0	1474.0	1424.8
147.5°	1725.5	1738.4	1790.0	1841.7	1790.0	1738.4	1725.5	1641.7	1529.9	1474.0	1434.6
150°	1686.4	1696.8	1738.7	1780.6	1738.7	1696.8	1686.4	1615.6	1521.2	1474.0	1439.7
152.5°	1655.3	1663.2	1694.8	1726.4	1694.8	1663.2	1655.3	1594.8	1514.3	1474.0	1443.0
155°	1618.2	1623.4	1644.4	1665.3	1644.4	1623.4	1618.2	1570.1	1506.0	1474.0	1450.4
157.5°	1586.2	1589.9	1604.6	1619.2	1604.6	1589.9	1586.2	1548.7	1498.9	1474.0	1457.8
160°	1570.1	1572.2	1580.7	1589.2	1580.7	1572.2	1570.1	1538.1	1495.3	1474.0	1461.1
162.5°	1555.1	1557.1	1565.1	1573.2	1565.1	1557.1	1555.1	1528.0	1492.0	1474.0	1464.6
165°	1532.0	1534.1	1542.6	1551.1	1542.6	1534.1	1532.0	1512.7	1486.9	1474.0	1469.7
167.5°	1522.1	1523.0	1526.5	1530.0	1526.5	1523.0	1522.1	1509.4	1492.5	1483.9	1480.4
170°	1522.1	1522.1	1522.1	1522.1	1522.1	1522.1	1522.1	1509.4	1492.5	1483.9	1483.7
172.5°	1514.1	1513.3	1510.1	1507.0	1510.1	1513.3	1514.1	1504.0	1490.6	1483.9	1483.9
175°	1503.0	1503.0	1503.0	1503.0	1503.0	1503.0	1503.0	1496.6	1488.2	1483.9	1486.0
177.5°	1501.0	1500.1	1496.6	1493.0	1496.6	1500.1	1501.0	1496.0	1489.3	1486.0	1487.6
180°	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0



TEST NUMBER: P935149

CATALOG NUMBER: SQ4-FA-100U-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°	44.1	28.0	26.0	18.1	10.0
92.5°	271.9	193.4	176.3	108.2	40.1
95°	669.0	376.8	345.6	220.9	96.2
97.5°	901.1	413.9	386.3	276.3	166.3
100°	985.6	444.9	419.9	320.2	220.4
102.5°	1024.4	475.9	452.7	359.6	266.5
105°	1053.1	522.0	502.4	423.5	344.7
107.5°	1058.4	590.2	571.8	498.3	424.9
110°	1050.4	628.3	611.6	545.3	479.0



TEST NUMBER: P935149

CATALOG NUMBER: SQ4-FA-100U-075D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1050.8	674.4	658.5	595.3	532.1
115°	1060.4	743.5	728.9	670.6	612.2
117.5°	1080.2	810.6	797.4	744.4	691.4
120°	1096.3	849.7	837.3	787.3	737.5
122.5°	1119.3	895.8	883.2	833.0	782.6
125°	1150.3	954.9	943.4	897.6	851.7
127.5°	1181.4	1012.0	1000.5	954.1	907.8
130°	1204.1	1050.1	1037.6	987.8	937.9
132.5°	1222.4	1081.2	1068.7	1018.8	969.0
135°	1242.5	1117.2	1105.9	1060.4	1015.1
137.5°	1272.5	1163.3	1152.1	1107.1	1062.1
140°	1290.9	1194.4	1184.0	1142.7	1101.2
142.5°	1306.2	1217.4	1207.9	1169.6	1131.3
145°	1326.3	1252.5	1244.2	1210.8	1177.4
147.5°	1355.7	1296.6	1288.5	1256.0	1223.5
150°	1371.1	1319.7	1312.3	1282.9	1253.5
152.5°	1381.1	1334.7	1329.1	1306.8	1284.6
155°	1403.2	1367.7	1363.7	1347.1	1330.7
157.5°	1425.2	1400.8	1396.8	1380.8	1364.7
160°	1435.2	1415.8	1412.7	1400.3	1387.7
162.5°	1445.9	1431.8	1429.5	1420.1	1410.8
165°	1461.2	1454.9	1452.8	1444.3	1435.8
167.5°	1473.3	1468.0	1466.9	1462.9	1458.9
170°	1483.3	1483.0	1482.0	1478.0	1474.0
172.5°	1483.9	1483.9	1483.7	1482.8	1481.9
175°	1490.0	1493.0	1493.0	1493.0	1493.0
177.5°	1490.7	1493.0	1493.0	1493.0	1493.0
180°	1493.0	1493.0	1493.0	1493.0	1493.0



TEST NUMBER: P935149
 CATALOG NUMBER: SQ4-FA-100U-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	11.04	11.83	12.08	12.87	14.27	13.89	14.68	14.93	15.72	17.12
	3H	11.51	12.22	12.56	13.26	14.68	15.24	15.94	16.28	16.99	18.41
	4H	11.70	12.37	12.76	13.42	14.84	15.69	16.35	16.74	17.40	18.83
	6H	11.82	12.43	12.88	13.48	14.92	15.97	16.58	17.04	17.64	19.08
	8H	11.81	12.40	12.89	13.47	14.90	16.05	16.63	17.12	17.70	19.13
	12H	11.78	12.34	12.86	13.40	14.86	16.09	16.64	17.16	17.70	19.16
4H	2H	12.07	12.74	13.13	13.79	15.21	14.29	14.96	15.36	16.01	17.44
	3H	13.09	13.64	14.16	14.72	16.16	15.80	16.35	16.87	17.43	18.87
	4H	13.36	13.87	14.44	14.94	16.40	16.33	16.83	17.40	17.90	19.37
	6H	13.48	13.92	14.57	15.01	16.47	16.69	17.13	17.78	18.22	19.68
	8H	13.49	13.89	14.57	14.98	16.45	16.80	17.21	17.89	18.29	19.76
	12H	13.45	13.82	14.55	14.92	16.39	16.86	17.23	17.96	18.33	19.80
8H	4H	13.81	14.22	14.90	15.31	16.78	16.44	16.85	17.53	17.94	19.41
	6H	14.07	14.41	15.18	15.54	17.00	16.88	17.22	17.99	18.35	19.81
	8H	14.11	14.41	15.23	15.52	17.01	17.04	17.33	18.15	18.44	19.93
	12H	14.09	14.35	15.21	15.46	16.98	17.14	17.40	18.26	18.50	20.03
12H	4H	13.82	14.19	14.92	15.28	16.76	16.41	16.77	17.51	17.87	19.35
	6H	14.13	14.43	15.25	15.54	17.03	16.88	17.17	17.99	18.28	19.77
	8H	14.20	14.46	15.32	15.56	17.09	17.04	17.30	18.16	18.41	19.93