

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: P935212

Luminaire Tested: SQ4-FA-100U-100D-830-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935212
REPORT IS A COMBINATION OF REPORTS P933748 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-100D-830-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

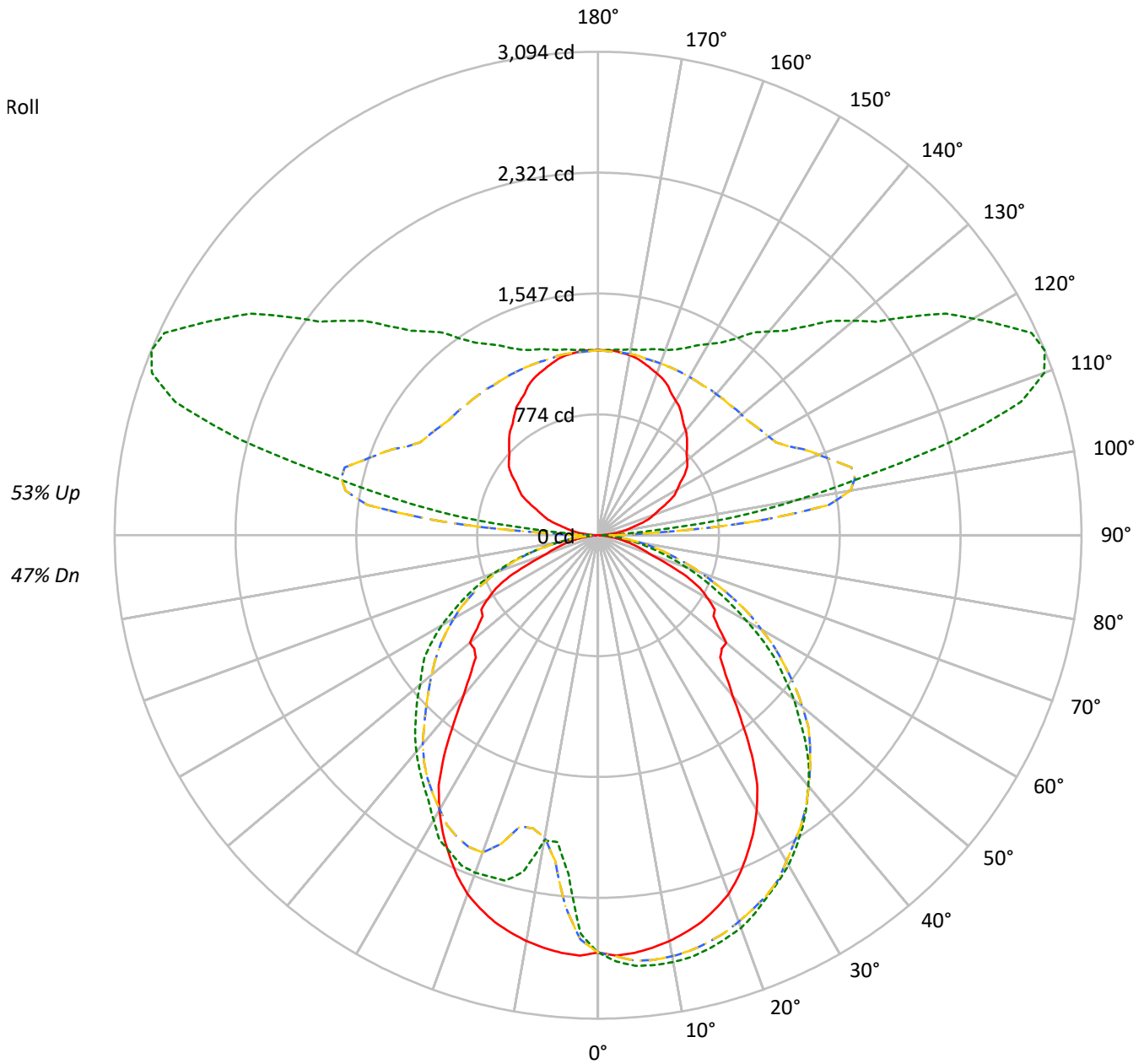
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14609.6 lumens
Efficiency: N/A
Efficacy: 125.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 116
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

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Luminous Intensity Polar Plot



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



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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°	12389	12389	12389	12389
5°	12481	12506	12481	9834
10°	12398	12318	12398	8807
15°	12263	12052	12263	10064
20°	12007	11736	12007	10085
25°	11482	11274	11482	9871
30°	10803	10892	10803	9402
35°	9631	10408	9631	8886
40°	8025	9837	8025	8497
45°	7171	9170	7171	8048
50°	7618	8374	7618	7599
55°	7167	7517	7167	7339
60°	7389	6384	7389	6722
65°	6698	5277	6698	5899
70°	4637	4206	4637	4944
75°	4068	3109	4068	3723
80°	3278	2055	3278	2238
85°	1882	1088	1882	924

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10990 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.0	1.6
10°-20°	684.4	4.7
20°-30°	1057.9	7.2
30°-40°	1262.9	8.6
40°-50°	1270.3	8.7
50°-60°	1105.3	7.6
60°-70°	783.7	5.4
70°-80°	414.6	2.8
80°-90°	107.8	0.7
90°-100°	577.6	4.0
100°-110°	1518.6	10.4
110°-120°	1574.6	10.8
120°-130°	1263.0	8.6
130°-140°	991.0	6.8
140°-150°	760.7	5.2
150°-160°	547.8	3.7
160°-170°	335.2	2.3
170°-180°	113.2	0.8
0°-30°	1983.3	13.6
0°-40°	3246.2	22.2
0°-60°	5621.8	38.5
0°-90°	6927.9	47.4
90°-120°	3670.8	25.1
90°-150°	6685.5	45.8
90°-180°	7682.0	52.6
0°-180°	14609.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2670	2670	2670	2670	2670	
5°	2683	2766	2683	2175	2683	255
15°	2562	2741	2562	2289	2562	721
25°	2256	2556	2256	2238	2256	1036
35°	1715	2281	1715	1948	1715	1061
45°	1106	1880	1106	1650	1106	886
55°	902	1387	902	1354	902	829
65°	626	836	626	935	626	599
75°	238	397	238	475	238	250
85°	40	101	40	86	40	55
90°	8	30	8	30	8	8
95°	76	349	76	349	76	85
105°	274	2378	274	2378	274	290
115°	486	3062	486	3062	486	480
125°	676	2438	676	2438	676	600
135°	806	1892	806	1892	806	623
145°	934	1535	934	1535	934	585
155°	1056	1322	1056	1322	1056	485
165°	1140	1231	1140	1231	1140	322
175°	1185	1193	1185	1193	1185	112
180°	1185	1185	1185	1185	1185	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2
2.5°	2693.0	2693.0	2708.1	2713.1	2713.1	2705.6	2698.0	2705.6	2728.3	2735.9	2733.4
5°	2682.8	2703.0	2730.8	2735.9	2740.9	2738.4	2733.4	2738.4	2763.7	2768.8	2771.3
7.5°	2662.7	2700.5	2735.9	2743.4	2751.1	2743.4	2740.9	2746.0	2771.3	2776.3	2776.3
10°	2637.3	2690.4	2730.8	2735.9	2743.4	2735.9	2735.9	2746.0	2771.3	2776.3	2778.8
12.5°	2601.9	2675.3	2713.1	2718.2	2728.3	2725.7	2723.3	2733.4	2758.6	2763.7	2763.7
15°	2561.6	2647.5	2682.8	2687.9	2705.6	2700.5	2700.5	2710.6	2738.4	2746.0	2743.4
17.5°	2506.0	2612.1	2652.5	2660.1	2672.7	2670.2	2672.7	2682.8	2708.1	2713.1	2715.7
20°	2442.9	2564.1	2612.1	2619.6	2632.3	2632.3	2632.3	2645.0	2670.2	2680.3	2680.3
22.5°	2356.9	2513.6	2564.1	2569.2	2584.3	2584.3	2589.3	2607.0	2629.8	2632.3	2632.3
25°	2255.9	2458.0	2500.9	2516.1	2531.3	2538.8	2546.4	2556.5	2564.1	2561.6	2564.1
27.5°	2149.8	2387.2	2442.9	2452.9	2473.2	2480.7	2490.9	2493.3	2495.9	2503.5	2498.4
30°	2031.0	2288.8	2372.1	2382.3	2415.0	2420.1	2410.0	2415.0	2427.7	2432.7	2437.8
32.5°	1897.2	2142.2	2298.9	2321.6	2351.9	2336.8	2334.2	2341.8	2362.0	2362.0	2367.1
35°	1715.3	2028.5	2230.6	2250.8	2273.6	2255.9	2266.0	2268.5	2281.2	2288.8	2286.2
37.5°	1515.7	1930.0	2159.9	2175.1	2192.8	2170.0	2185.1	2192.8	2202.8	2197.8	2197.8
40°	1338.9	1776.0	2076.5	2086.7	2101.8	2084.1	2099.3	2104.3	2109.4	2104.3	2101.8
42.5°	1207.5	1606.7	1988.1	2000.7	1990.7	2003.3	2008.4	2018.4	2010.9	2000.7	2000.7
45°	1106.5	1561.1	1892.1	1907.3	1892.1	1912.4	1919.9	1919.9	1897.2	1892.1	1889.6
47.5°	1073.7	1470.2	1796.1	1796.1	1788.6	1813.8	1826.4	1808.8	1786.0	1778.4	1778.4
50°	1071.1	1369.2	1664.8	1654.6	1690.0	1720.3	1707.7	1690.0	1672.3	1644.5	1644.5
52.5°	972.6	1245.4	1495.5	1533.4	1589.0	1606.7	1586.5	1568.8	1538.5	1525.9	1515.7
55°	901.9	1116.6	1341.5	1417.2	1475.3	1498.1	1460.1	1442.5	1397.0	1389.5	1384.4
57.5°	886.7	929.6	1200.0	1296.0	1366.7	1364.1	1341.5	1308.6	1270.7	1263.1	1260.6
60°	813.5	672.0	1048.3	1162.0	1235.3	1227.7	1207.5	1177.2	1141.8	1136.8	1131.7
62.5°	737.6	487.6	876.6	1005.4	1109.0	1106.5	1088.8	1043.3	1018.0	1005.4	995.3
65°	626.5	409.3	624.0	836.2	985.3	990.2	952.4	919.6	891.8	876.6	874.1
67.5°	477.4	333.5	421.9	697.2	866.5	861.5	813.5	798.3	762.9	755.3	740.1
70°	353.6	222.3	293.0	565.9	750.3	737.6	699.8	682.1	649.2	631.5	621.4
72.5°	293.0	179.3	214.7	439.6	631.5	616.4	583.5	563.4	535.6	520.4	510.3
75°	237.5	189.5	164.2	325.9	512.8	502.8	472.4	452.2	429.4	409.3	411.7
77.5°	174.3	176.9	131.4	240.0	406.7	391.6	373.9	348.7	338.5	318.3	318.3
80°	131.4	138.9	98.6	164.2	293.0	293.0	277.9	260.2	242.5	232.4	232.4
82.5°	88.4	88.4	73.2	103.5	199.6	192.0	181.9	176.9	166.7	161.7	161.7
85°	40.4	50.5	45.5	63.2	108.6	113.7	113.7	108.6	106.1	101.0	103.5
87.5°	12.6	22.8	27.8	35.4	55.5	58.1	60.6	60.6	60.6	63.2	63.2
90°	7.9	14.3	20.6	22.3	35.0	51.9	60.4	53.7	40.2	30.2	30.2
92.5°	31.8	85.9	140.1	153.5	215.8	298.8	340.3	298.3	214.2	151.1	145.1
95°	76.4	175.3	274.3	299.0	531.0	840.2	994.9	887.8	673.6	513.0	494.8
97.5°	132.0	219.3	306.7	328.5	715.3	1230.9	1488.8	1421.1	1285.7	1184.2	1149.6
100°	174.9	254.1	333.4	353.1	782.3	1354.6	1640.7	1645.7	1655.5	1663.0	1621.7
102.5°	211.6	285.4	359.3	377.7	813.0	1393.4	1683.6	1769.8	1942.4	2071.7	2036.4
105°	273.6	336.1	398.7	414.3	835.8	1397.9	1678.8	1872.1	2258.8	2548.9	2529.9
107.5°	337.2	395.5	453.8	468.4	840.1	1335.6	1583.4	1853.1	2392.5	2797.0	2801.6
110°	380.1	432.8	485.5	498.6	833.7	1280.5	1503.9	1805.4	2408.4	2860.6	2880.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	422.3	472.5	522.7	535.3	834.0	1232.4	1431.5	1740.1	2357.2	2820.1	2850.5
115°	485.9	532.2	578.6	590.1	841.7	1177.1	1344.8	1642.1	2236.7	2682.5	2724.7
117.5°	548.7	590.8	632.9	643.4	857.3	1142.5	1285.2	1553.4	2090.0	2492.4	2539.1
120°	585.4	624.9	664.5	674.4	870.1	1130.9	1261.3	1506.5	1996.7	2364.4	2409.8
122.5°	621.1	661.1	701.0	711.0	888.3	1124.7	1243.0	1463.7	1905.2	2236.4	2281.2
125°	676.0	712.4	748.8	757.9	913.0	1119.8	1223.1	1410.7	1785.7	2067.0	2108.3
127.5°	720.5	757.2	794.1	803.2	937.6	1116.9	1206.5	1367.5	1689.4	1930.9	1965.7
130°	744.3	783.9	823.5	833.4	955.6	1118.6	1200.1	1343.4	1630.1	1845.1	1877.2
132.5°	769.0	808.6	848.2	858.1	970.2	1119.8	1194.5	1322.8	1579.4	1771.9	1800.6
135°	805.6	841.7	877.8	886.8	986.2	1118.7	1185.0	1292.4	1507.3	1668.5	1693.4
137.5°	843.0	878.7	914.4	923.3	1010.0	1125.6	1183.3	1274.2	1455.9	1592.1	1612.5
140°	874.0	906.9	939.7	948.0	1024.5	1126.7	1177.8	1256.3	1413.3	1530.9	1550.0
142.5°	897.9	928.3	958.7	966.2	1036.8	1130.8	1177.8	1246.7	1384.6	1488.0	1504.4
145°	934.5	961.0	987.5	994.1	1052.7	1130.9	1169.9	1226.3	1339.0	1423.6	1435.9
147.5°	971.0	996.8	1022.6	1029.1	1076.1	1138.6	1169.9	1214.2	1302.9	1369.5	1379.7
150°	994.9	1018.2	1041.6	1047.4	1088.2	1142.6	1169.9	1207.3	1282.3	1338.5	1346.8
152.5°	1019.6	1037.3	1054.9	1059.3	1096.1	1145.3	1169.9	1201.9	1265.8	1313.8	1320.1
155°	1056.1	1069.2	1082.3	1085.5	1113.6	1151.1	1169.9	1195.3	1246.2	1284.4	1288.5
157.5°	1083.1	1095.9	1108.7	1111.8	1131.1	1157.0	1169.9	1189.6	1229.2	1259.0	1261.8
160°	1101.5	1111.4	1121.3	1123.8	1139.2	1159.6	1169.9	1186.9	1220.8	1246.2	1248.0
162.5°	1119.8	1127.2	1134.7	1136.5	1147.6	1162.4	1169.9	1184.2	1212.8	1234.3	1235.9
165°	1139.6	1146.3	1153.0	1154.8	1159.8	1166.5	1169.9	1180.1	1200.6	1216.0	1217.8
167.5°	1157.9	1161.1	1164.3	1165.1	1169.3	1174.9	1177.8	1184.5	1198.0	1208.0	1208.7
170°	1169.9	1173.0	1176.3	1177.0	1177.3	1177.6	1177.8	1184.5	1198.0	1208.0	1208.0
172.5°	1176.3	1176.9	1177.6	1177.8	1177.8	1177.8	1177.8	1183.1	1193.8	1201.7	1201.1
175°	1185.0	1185.0	1185.0	1185.0	1182.6	1179.4	1177.8	1181.1	1187.8	1192.9	1192.9
177.5°	1185.0	1185.0	1185.0	1185.0	1183.1	1180.7	1179.4	1182.1	1187.4	1191.4	1190.7
180°	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2
2.5°	2738.4	2730.8	2738.4	2733.4	2735.9	2728.3	2705.6	2698.0	2705.6	2713.1	2713.1
5°	2771.3	2766.2	2771.3	2771.3	2768.8	2763.7	2738.4	2733.4	2738.4	2740.9	2735.9
7.5°	2781.4	2773.7	2781.4	2776.3	2776.3	2771.3	2746.0	2740.9	2743.4	2751.1	2743.4
10°	2781.4	2773.7	2781.4	2778.8	2776.3	2771.3	2746.0	2735.9	2735.9	2743.4	2735.9
12.5°	2768.8	2763.7	2768.8	2763.7	2763.7	2758.6	2733.4	2723.3	2725.7	2728.3	2718.2
15°	2748.5	2740.9	2748.5	2743.4	2746.0	2738.4	2710.6	2700.5	2700.5	2705.6	2687.9
17.5°	2718.2	2708.1	2718.2	2715.7	2713.1	2708.1	2682.8	2672.7	2670.2	2672.7	2660.1
20°	2682.8	2675.3	2682.8	2680.3	2680.3	2670.2	2645.0	2632.3	2632.3	2632.3	2619.6
22.5°	2627.3	2619.6	2627.3	2632.3	2632.3	2629.8	2607.0	2589.3	2584.3	2584.3	2569.2
25°	2564.1	2556.5	2564.1	2564.1	2561.6	2564.1	2556.5	2546.4	2538.8	2531.3	2516.1
27.5°	2503.5	2498.4	2503.5	2498.4	2503.5	2495.9	2493.3	2490.9	2480.7	2473.2	2452.9
30°	2442.9	2437.8	2442.9	2437.8	2432.7	2427.7	2415.0	2410.0	2420.1	2415.0	2382.3
32.5°	2367.1	2362.0	2367.1	2367.1	2362.0	2362.0	2341.8	2334.2	2336.8	2351.9	2321.6
35°	2288.8	2281.2	2288.8	2286.2	2288.8	2281.2	2268.5	2266.0	2255.9	2273.6	2250.8
37.5°	2197.8	2190.2	2197.8	2197.8	2197.8	2202.8	2192.8	2185.1	2170.0	2192.8	2175.1
40°	2104.3	2094.2	2104.3	2101.8	2104.3	2109.4	2104.3	2099.3	2084.1	2101.8	2086.7
42.5°	1998.2	1995.7	1998.2	2000.7	2000.7	2010.9	2018.4	2008.4	2003.3	1990.7	2000.7
45°	1884.6	1879.5	1884.6	1889.6	1892.1	1897.2	1919.9	1919.9	1912.4	1892.1	1907.3
47.5°	1763.2	1750.6	1763.2	1778.4	1778.4	1786.0	1808.8	1826.4	1813.8	1788.6	1796.1
50°	1634.5	1637.0	1634.5	1644.5	1644.5	1672.3	1690.0	1707.7	1720.3	1690.0	1654.6
52.5°	1508.2	1505.6	1508.2	1515.7	1525.9	1538.5	1568.8	1586.5	1606.7	1589.0	1533.4
55°	1381.8	1386.9	1381.8	1384.4	1389.5	1397.0	1442.5	1460.1	1498.1	1475.3	1417.2
57.5°	1255.5	1248.0	1255.5	1260.6	1263.1	1270.7	1308.6	1341.5	1364.1	1366.7	1296.0
60°	1109.0	1098.9	1109.0	1131.7	1136.8	1141.8	1177.2	1207.5	1227.7	1235.3	1162.0
62.5°	980.2	962.5	980.2	995.3	1005.4	1018.0	1043.3	1088.8	1106.5	1109.0	1005.4
65°	843.8	836.2	843.8	874.1	876.6	891.8	919.6	952.4	990.2	985.3	836.2
67.5°	720.0	720.0	720.0	740.1	755.3	762.9	798.3	813.5	861.5	866.5	697.2
70°	606.3	603.8	606.3	621.4	631.5	649.2	682.1	699.8	737.6	750.3	565.9
72.5°	497.7	495.1	497.7	510.3	520.4	535.6	563.4	583.5	616.4	631.5	439.6
75°	401.7	396.6	401.7	411.7	409.3	429.4	452.2	472.4	502.8	512.8	325.9
77.5°	308.2	308.2	308.2	318.3	318.3	338.5	348.7	373.9	391.6	406.7	240.0
80°	229.9	227.3	229.9	232.4	232.4	242.5	260.2	277.9	293.0	293.0	164.2
82.5°	161.7	156.6	161.7	161.7	161.7	166.7	176.9	181.9	192.0	199.6	103.5
85°	101.0	101.0	101.0	103.5	101.0	106.1	108.6	113.7	113.7	108.6	63.2
87.5°	65.7	63.2	65.7	63.2	63.2	60.6	60.6	60.6	58.1	55.5	35.4
90°	30.2	30.2	30.2	30.2	30.2	40.2	53.7	60.4	51.9	35.0	22.3
92.5°	121.1	97.0	121.1	145.1	151.1	214.2	298.3	340.3	298.8	215.8	153.5
95°	422.0	349.1	422.0	494.8	513.0	673.6	887.8	994.9	840.2	531.0	299.0
97.5°	1011.0	872.4	1011.0	1149.6	1184.2	1285.7	1421.1	1488.8	1230.9	715.3	328.5
100°	1456.7	1291.6	1456.7	1621.7	1663.0	1655.5	1645.7	1640.7	1354.6	782.3	353.1
102.5°	1895.0	1753.6	1895.0	2036.4	2071.7	1942.4	1769.8	1683.6	1393.4	813.0	377.7
105°	2453.9	2377.9	2453.9	2529.9	2548.9	2258.8	1872.1	1678.8	1397.9	835.8	414.3
107.5°	2820.0	2838.4	2820.0	2801.6	2797.0	2392.5	1853.1	1583.4	1335.6	840.1	468.4
110°	2959.6	3038.7	2959.6	2880.4	2860.6	2408.4	1805.4	1503.9	1280.5	833.7	498.6



TEST NUMBER: P935212

CATALOG NUMBER: SQ4-FA-100U-100D-830-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2972.0	3093.6	2972.0	2850.5	2820.1	2357.2	1740.1	1431.5	1232.4	834.0	535.3
115°	2893.2	3061.9	2893.2	2724.7	2682.5	2236.7	1642.1	1344.8	1177.1	841.7	590.1
117.5°	2726.1	2913.1	2726.1	2539.1	2492.4	2090.0	1553.4	1285.2	1142.5	857.3	643.4
120°	2591.5	2773.2	2591.5	2409.8	2364.4	1996.7	1506.5	1261.3	1130.9	870.1	674.4
122.5°	2460.4	2639.5	2460.4	2281.2	2236.4	1905.2	1463.7	1243.0	1124.7	888.3	711.0
125°	2273.3	2438.4	2273.3	2108.3	2067.0	1785.7	1410.7	1223.1	1119.8	913.0	757.9
127.5°	2105.0	2244.3	2105.0	1965.7	1930.9	1689.4	1367.5	1206.5	1116.9	937.6	803.2
130°	2005.9	2134.6	2005.9	1877.2	1845.1	1630.1	1343.4	1200.1	1118.6	955.6	833.4
132.5°	1915.9	2031.1	1915.9	1800.6	1771.9	1579.4	1322.8	1194.5	1119.8	970.2	858.1
135°	1792.7	1892.0	1792.7	1693.4	1668.5	1507.3	1292.4	1185.0	1118.7	986.2	886.8
137.5°	1693.7	1775.1	1693.7	1612.5	1592.1	1455.9	1274.2	1183.3	1125.6	1010.0	923.3
140°	1625.9	1701.9	1625.9	1550.0	1530.9	1413.3	1256.3	1177.8	1126.7	1024.5	948.0
142.5°	1569.8	1635.1	1569.8	1504.4	1488.0	1384.6	1246.7	1177.8	1130.8	1036.8	966.2
145°	1485.4	1534.9	1485.4	1435.9	1423.6	1339.0	1226.3	1169.9	1130.9	1052.7	994.1
147.5°	1420.7	1461.7	1420.7	1379.7	1369.5	1302.9	1214.2	1169.9	1138.6	1076.1	1029.1
150°	1380.0	1413.3	1380.0	1346.8	1338.5	1282.3	1207.3	1169.9	1142.6	1088.2	1047.4
152.5°	1345.2	1370.2	1345.2	1320.1	1313.8	1265.8	1201.9	1169.9	1145.3	1096.1	1059.3
155°	1305.1	1321.8	1305.1	1288.5	1284.4	1246.2	1195.3	1169.9	1151.1	1113.6	1085.5
157.5°	1273.5	1285.2	1273.5	1261.8	1259.0	1229.2	1189.6	1169.9	1157.0	1131.1	1111.8
160°	1254.7	1261.3	1254.7	1248.0	1246.2	1220.8	1186.9	1169.9	1159.6	1139.2	1123.8
162.5°	1242.2	1248.6	1242.2	1235.9	1234.3	1212.8	1184.2	1169.9	1162.4	1147.6	1136.5
165°	1224.4	1231.1	1224.4	1217.8	1216.0	1200.6	1180.1	1169.9	1166.5	1159.8	1154.8
167.5°	1211.5	1214.4	1211.5	1208.7	1208.0	1198.0	1184.5	1177.8	1174.9	1169.3	1165.1
170°	1208.0	1208.0	1208.0	1208.0	1208.0	1198.0	1184.5	1177.8	1177.6	1177.3	1177.0
172.5°	1198.6	1196.1	1198.6	1201.1	1201.7	1193.8	1183.1	1177.8	1177.8	1177.8	1177.8
175°	1192.9	1192.9	1192.9	1192.9	1192.9	1187.8	1181.1	1177.8	1179.4	1182.6	1185.0
177.5°	1187.8	1185.0	1187.8	1190.7	1191.4	1187.4	1182.1	1179.4	1180.7	1183.1	1185.0
180°	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0



TEST NUMBER: P935212

CATALOG NUMBER: SQ4-FA-100U-100D-830-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2
2.5°	2708.1	2693.0	2693.0	2667.7	2657.6	2650.0	2637.3	2599.5	2589.3	2579.3	2594.4
5°	2730.8	2703.0	2682.8	2637.3	2599.5	2584.3	2536.3	2445.4	2384.7	2339.2	2314.0
7.5°	2735.9	2700.5	2662.7	2591.9	2500.9	2460.6	2314.0	2147.3	2101.8	2061.4	2036.1
10°	2730.8	2690.4	2637.3	2531.3	2316.5	2245.8	2099.3	1990.7	1962.9	1955.3	1962.9
12.5°	2713.1	2675.3	2601.9	2425.2	2124.5	2076.5	1990.7	1927.5	1922.4	1935.0	2003.3
15°	2682.8	2647.5	2561.6	2283.7	2018.4	1983.0	1922.4	1899.7	1927.5	2015.9	2220.5
17.5°	2652.5	2612.1	2506.0	2144.8	1937.6	1912.4	1869.4	1914.9	2071.5	2190.2	2258.5
20°	2612.1	2564.1	2442.9	2043.7	1879.5	1856.7	1836.6	2041.2	2159.9	2202.8	2240.8
22.5°	2564.1	2513.6	2356.9	1973.0	1818.9	1801.2	1813.8	2111.9	2159.9	2190.2	2223.1
25°	2500.9	2458.0	2255.9	1917.4	1770.9	1750.6	1798.6	2104.3	2132.1	2139.7	2205.4
27.5°	2442.9	2387.2	2149.8	1866.9	1712.8	1705.2	1811.3	2071.5	2091.7	2099.3	2170.0
30°	2372.1	2288.8	2031.0	1813.8	1652.2	1649.6	1813.8	2031.0	2026.1	2046.2	2117.0
32.5°	2298.9	2142.2	1897.2	1748.1	1594.0	1591.5	1796.1	1970.4	1965.3	1993.2	2046.2
35°	2230.6	2028.5	1715.3	1672.3	1520.8	1523.3	1753.2	1899.7	1902.2	1927.5	1960.4
37.5°	2159.9	1930.0	1515.7	1589.0	1450.1	1450.1	1695.1	1834.0	1829.0	1836.6	1882.0
40°	2076.5	1776.0	1338.9	1480.4	1384.4	1376.7	1624.3	1763.2	1745.6	1743.1	1806.3
42.5°	1988.1	1606.7	1207.5	1336.4	1308.6	1298.4	1538.5	1677.4	1644.5	1652.2	1732.9
45°	1892.1	1561.1	1106.5	1129.2	1230.3	1222.7	1445.0	1578.8	1556.2	1576.3	1659.7
47.5°	1796.1	1470.2	1073.7	937.3	1146.9	1144.3	1341.5	1482.9	1470.2	1490.5	1578.8
50°	1664.8	1369.2	1071.1	803.3	1053.4	1063.6	1217.7	1389.5	1389.5	1407.1	1500.5
52.5°	1495.5	1245.4	972.6	727.5	944.8	975.1	1109.0	1308.6	1313.6	1331.3	1414.7
55°	1341.5	1116.6	901.9	669.5	815.9	881.6	1002.9	1225.2	1235.3	1253.0	1328.7
57.5°	1200.0	929.6	886.7	601.2	697.2	760.4	909.4	1144.3	1149.4	1164.6	1237.8
60°	1048.3	672.0	813.5	528.0	593.7	641.7	823.5	1048.3	1066.0	1076.2	1139.4
62.5°	876.6	487.6	737.6	477.4	543.1	553.2	752.8	957.4	980.2	987.7	1025.6
65°	624.0	409.3	626.5	434.5	490.0	492.6	677.0	863.9	884.2	896.8	924.5
67.5°	421.9	333.5	477.4	394.1	449.7	452.2	603.8	755.3	783.2	793.2	810.9
70°	293.0	222.3	353.6	351.1	404.2	409.3	525.4	656.8	682.1	689.7	699.8
72.5°	214.7	179.3	293.0	315.8	356.2	361.3	444.6	545.7	570.9	578.5	583.5
75°	164.2	189.5	237.5	275.3	303.1	305.6	363.8	444.6	462.3	467.4	469.9
77.5°	131.4	176.9	174.3	222.3	247.6	242.5	285.5	343.6	358.7	358.7	358.7
80°	98.6	138.9	131.4	159.2	181.9	176.9	204.6	245.0	250.1	255.2	252.6
82.5°	73.2	88.4	88.4	101.0	121.2	116.2	136.4	159.2	159.2	159.2	164.2
85°	45.5	50.5	40.4	53.1	68.2	65.7	75.8	85.8	88.4	88.4	83.4
87.5°	27.8	22.8	12.6	20.2	30.3	30.3	35.4	37.9	35.4	35.4	35.4
90°	20.6	14.3	7.9	14.3	20.6	22.3	35.0	51.9	60.4	53.7	40.2
92.5°	140.1	85.9	31.8	85.9	140.1	153.5	215.8	298.8	340.3	298.3	214.2
95°	274.3	175.3	76.4	175.3	274.3	299.0	531.0	840.2	994.9	887.8	673.6
97.5°	306.7	219.3	132.0	219.3	306.7	328.5	715.3	1230.9	1488.8	1421.1	1285.7
100°	333.4	254.1	174.9	254.1	333.4	353.1	782.3	1354.6	1640.7	1645.7	1655.5
102.5°	359.3	285.4	211.6	285.4	359.3	377.7	813.0	1393.4	1683.6	1769.8	1942.4
105°	398.7	336.1	273.6	336.1	398.7	414.3	835.8	1397.9	1678.8	1872.1	2258.8
107.5°	453.8	395.5	337.2	395.5	453.8	468.4	840.1	1335.6	1583.4	1853.1	2392.5
110°	485.5	432.8	380.1	432.8	485.5	498.6	833.7	1280.5	1503.9	1805.4	2408.4



TEST NUMBER: P935212

CATALOG NUMBER: SQ4-FA-100U-100D-830-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	522.7	472.5	422.3	472.5	522.7	535.3	834.0	1232.4	1431.5	1740.1	2357.2
115°	578.6	532.2	485.9	532.2	578.6	590.1	841.7	1177.1	1344.8	1642.1	2236.7
117.5°	632.9	590.8	548.7	590.8	632.9	643.4	857.3	1142.5	1285.2	1553.4	2090.0
120°	664.5	624.9	585.4	624.9	664.5	674.4	870.1	1130.9	1261.3	1506.5	1996.7
122.5°	701.0	661.1	621.1	661.1	701.0	711.0	888.3	1124.7	1243.0	1463.7	1905.2
125°	748.8	712.4	676.0	712.4	748.8	757.9	913.0	1119.8	1223.1	1410.7	1785.7
127.5°	794.1	757.2	720.5	757.2	794.1	803.2	937.6	1116.9	1206.5	1367.5	1689.4
130°	823.5	783.9	744.3	783.9	823.5	833.4	955.6	1118.6	1200.1	1343.4	1630.1
132.5°	848.2	808.6	769.0	808.6	848.2	858.1	970.2	1119.8	1194.5	1322.8	1579.4
135°	877.8	841.7	805.6	841.7	877.8	886.8	986.2	1118.7	1185.0	1292.4	1507.3
137.5°	914.4	878.7	843.0	878.7	914.4	923.3	1010.0	1125.6	1183.3	1274.2	1455.9
140°	939.7	906.9	874.0	906.9	939.7	948.0	1024.5	1126.7	1177.8	1256.3	1413.3
142.5°	958.7	928.3	897.9	928.3	958.7	966.2	1036.8	1130.8	1177.8	1246.7	1384.6
145°	987.5	961.0	934.5	961.0	987.5	994.1	1052.7	1130.9	1169.9	1226.3	1339.0
147.5°	1022.6	996.8	971.0	996.8	1022.6	1029.1	1076.1	1138.6	1169.9	1214.2	1302.9
150°	1041.6	1018.2	994.9	1018.2	1041.6	1047.4	1088.2	1142.6	1169.9	1207.3	1282.3
152.5°	1054.9	1037.3	1019.6	1037.3	1054.9	1059.3	1096.1	1145.3	1169.9	1201.9	1265.8
155°	1082.3	1069.2	1056.1	1069.2	1082.3	1085.5	1113.6	1151.1	1169.9	1195.3	1246.2
157.5°	1108.7	1095.9	1083.1	1095.9	1108.7	1111.8	1131.1	1157.0	1169.9	1189.6	1229.2
160°	1121.3	1111.4	1101.5	1111.4	1121.3	1123.8	1139.2	1159.6	1169.9	1186.9	1220.8
162.5°	1134.7	1127.2	1119.8	1127.2	1134.7	1136.5	1147.6	1162.4	1169.9	1184.2	1212.8
165°	1153.0	1146.3	1139.6	1146.3	1153.0	1154.8	1159.8	1166.5	1169.9	1180.1	1200.6
167.5°	1164.3	1161.1	1157.9	1161.1	1164.3	1165.1	1169.3	1174.9	1177.8	1184.5	1198.0
170°	1176.3	1173.0	1169.9	1173.0	1176.3	1177.0	1177.3	1177.6	1177.8	1184.5	1198.0
172.5°	1177.6	1176.9	1176.3	1176.9	1177.6	1177.8	1177.8	1177.8	1177.8	1183.1	1193.8
175°	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1182.6	1179.4	1177.8	1181.1	1187.8
177.5°	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1183.1	1180.7	1179.4	1182.1	1187.4
180°	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0



TEST NUMBER: P935212
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2
2.5°	2576.7	2569.2	2579.3	2551.5	2579.3	2569.2	2576.7	2594.4	2579.3	2589.3	2599.5
5°	2260.9	2248.3	2207.9	2175.1	2207.9	2248.3	2260.9	2314.0	2339.2	2384.7	2445.4
7.5°	2021.0	2010.9	2000.7	1980.5	2000.7	2010.9	2021.0	2036.1	2061.4	2101.8	2147.3
10°	1967.9	1970.4	1985.6	1983.0	1985.6	1970.4	1967.9	1962.9	1955.3	1962.9	1990.7
12.5°	2104.3	2127.1	2210.5	2205.4	2210.5	2127.1	2104.3	2003.3	1935.0	1922.4	1927.5
15°	2260.9	2268.5	2286.2	2288.8	2286.2	2268.5	2260.9	2220.5	2015.9	1927.5	1899.7
17.5°	2276.1	2278.6	2291.2	2291.2	2291.2	2278.6	2276.1	2258.5	2190.2	2071.5	1914.9
20°	2263.5	2268.5	2293.8	2298.9	2293.8	2268.5	2263.5	2240.8	2202.8	2159.9	2041.2
22.5°	2258.5	2268.5	2288.8	2286.2	2288.8	2268.5	2258.5	2223.1	2190.2	2159.9	2111.9
25°	2233.1	2233.1	2235.7	2238.2	2235.7	2233.1	2233.1	2205.4	2139.7	2132.1	2104.3
27.5°	2180.2	2185.1	2200.3	2197.8	2200.3	2185.1	2180.2	2170.0	2099.3	2091.7	2071.5
30°	2132.1	2127.1	2114.4	2104.3	2114.4	2127.1	2132.1	2117.0	2046.2	2026.1	2031.0
32.5°	2051.3	2038.7	2026.1	2018.4	2026.1	2038.7	2051.3	2046.2	1993.2	1965.3	1970.4
35°	1955.3	1957.8	1955.3	1947.7	1955.3	1957.8	1955.3	1960.4	1927.5	1902.2	1899.7
37.5°	1887.0	1892.1	1889.6	1879.5	1889.6	1892.1	1887.0	1882.0	1836.6	1829.0	1834.0
40°	1816.3	1818.9	1816.3	1808.8	1816.3	1818.9	1816.3	1806.3	1743.1	1745.6	1763.2
42.5°	1748.1	1745.6	1738.0	1732.9	1738.0	1745.6	1748.1	1732.9	1652.2	1644.5	1677.4
45°	1669.8	1672.3	1657.2	1649.6	1657.2	1672.3	1669.8	1659.7	1576.3	1556.2	1578.8
47.5°	1591.5	1591.5	1578.8	1571.3	1578.8	1591.5	1591.5	1578.8	1490.5	1470.2	1482.9
50°	1508.2	1505.6	1487.9	1485.4	1487.9	1505.6	1508.2	1500.5	1407.1	1389.5	1389.5
52.5°	1412.1	1412.1	1414.7	1419.8	1414.7	1412.1	1412.1	1414.7	1331.3	1313.6	1308.6
55°	1328.7	1331.3	1349.0	1354.1	1349.0	1331.3	1328.7	1328.7	1253.0	1235.3	1225.2
57.5°	1242.9	1242.9	1255.5	1255.5	1255.5	1242.9	1242.9	1237.8	1164.6	1149.4	1144.3
60°	1144.3	1149.4	1159.5	1157.0	1159.5	1149.4	1144.3	1139.4	1076.2	1066.0	1048.3
62.5°	1040.8	1045.9	1048.3	1043.3	1048.3	1045.9	1040.8	1025.6	987.7	980.2	957.4
65°	932.2	937.3	939.7	934.7	939.7	937.3	932.2	924.5	896.8	884.2	863.9
67.5°	821.0	818.5	815.9	826.1	815.9	818.5	821.0	810.9	793.2	783.2	755.3
70°	707.3	707.3	704.8	709.8	704.8	707.3	707.3	699.8	689.7	682.1	656.8
72.5°	586.1	583.5	593.7	586.1	593.7	583.5	586.1	583.5	578.5	570.9	545.7
75°	467.4	472.4	467.4	474.9	467.4	472.4	467.4	469.9	467.4	462.3	444.6
77.5°	356.2	361.3	356.2	356.2	356.2	361.3	356.2	358.7	358.7	358.7	343.6
80°	252.6	250.1	250.1	247.6	250.1	250.1	252.6	252.6	255.2	250.1	245.0
82.5°	161.7	159.2	159.2	164.2	159.2	159.2	161.7	164.2	159.2	159.2	159.2
85°	88.4	90.9	85.8	85.8	85.8	90.9	88.4	83.4	88.4	88.4	85.8
87.5°	32.9	30.3	30.3	30.3	30.3	30.3	32.9	35.4	35.4	35.4	37.9
90°	30.2	30.2	30.2	30.2	30.2	30.2	30.2	40.2	53.7	60.4	51.9
92.5°	151.1	145.1	121.1	97.0	121.1	145.1	151.1	214.2	298.3	340.3	298.8
95°	513.0	494.8	422.0	349.1	422.0	494.8	513.0	673.6	887.8	994.9	840.2
97.5°	1184.2	1149.6	1011.0	872.4	1011.0	1149.6	1184.2	1285.7	1421.1	1488.8	1230.9
100°	1663.0	1621.7	1456.7	1291.6	1456.7	1621.7	1663.0	1655.5	1645.7	1640.7	1354.6
102.5°	2071.7	2036.4	1895.0	1753.6	1895.0	2036.4	2071.7	1942.4	1769.8	1683.6	1393.4
105°	2548.9	2529.9	2453.9	2377.9	2453.9	2529.9	2548.9	2258.8	1872.1	1678.8	1397.9
107.5°	2797.0	2801.6	2820.0	2838.4	2820.0	2801.6	2797.0	2392.5	1853.1	1583.4	1335.6
110°	2860.6	2880.4	2959.6	3038.7	2959.6	2880.4	2860.6	2408.4	1805.4	1503.9	1280.5



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2820.1	2850.5	2972.0	3093.6	2972.0	2850.5	2820.1	2357.2	1740.1	1431.5	1232.4
115°	2682.5	2724.7	2893.2	3061.9	2893.2	2724.7	2682.5	2236.7	1642.1	1344.8	1177.1
117.5°	2492.4	2539.1	2726.1	2913.1	2726.1	2539.1	2492.4	2090.0	1553.4	1285.2	1142.5
120°	2364.4	2409.8	2591.5	2773.2	2591.5	2409.8	2364.4	1996.7	1506.5	1261.3	1130.9
122.5°	2236.4	2281.2	2460.4	2639.5	2460.4	2281.2	2236.4	1905.2	1463.7	1243.0	1124.7
125°	2067.0	2108.3	2273.3	2438.4	2273.3	2108.3	2067.0	1785.7	1410.7	1223.1	1119.8
127.5°	1930.9	1965.7	2105.0	2244.3	2105.0	1965.7	1930.9	1689.4	1367.5	1206.5	1116.9
130°	1845.1	1877.2	2005.9	2134.6	2005.9	1877.2	1845.1	1630.1	1343.4	1200.1	1118.6
132.5°	1771.9	1800.6	1915.9	2031.1	1915.9	1800.6	1771.9	1579.4	1322.8	1194.5	1119.8
135°	1668.5	1693.4	1792.7	1892.0	1792.7	1693.4	1668.5	1507.3	1292.4	1185.0	1118.7
137.5°	1592.1	1612.5	1693.7	1775.1	1693.7	1612.5	1592.1	1455.9	1274.2	1183.3	1125.6
140°	1530.9	1550.0	1625.9	1701.9	1625.9	1550.0	1530.9	1413.3	1256.3	1177.8	1126.7
142.5°	1488.0	1504.4	1569.8	1635.1	1569.8	1504.4	1488.0	1384.6	1246.7	1177.8	1130.8
145°	1423.6	1435.9	1485.4	1534.9	1485.4	1435.9	1423.6	1339.0	1226.3	1169.9	1130.9
147.5°	1369.5	1379.7	1420.7	1461.7	1420.7	1379.7	1369.5	1302.9	1214.2	1169.9	1138.6
150°	1338.5	1346.8	1380.0	1413.3	1380.0	1346.8	1338.5	1282.3	1207.3	1169.9	1142.6
152.5°	1313.8	1320.1	1345.2	1370.2	1345.2	1320.1	1313.8	1265.8	1201.9	1169.9	1145.3
155°	1284.4	1288.5	1305.1	1321.8	1305.1	1288.5	1284.4	1246.2	1195.3	1169.9	1151.1
157.5°	1259.0	1261.8	1273.5	1285.2	1273.5	1261.8	1259.0	1229.2	1189.6	1169.9	1157.0
160°	1246.2	1248.0	1254.7	1261.3	1254.7	1248.0	1246.2	1220.8	1186.9	1169.9	1159.6
162.5°	1234.3	1235.9	1242.2	1248.6	1242.2	1235.9	1234.3	1212.8	1184.2	1169.9	1162.4
165°	1216.0	1217.8	1224.4	1231.1	1224.4	1217.8	1216.0	1200.6	1180.1	1169.9	1166.5
167.5°	1208.0	1208.7	1211.5	1214.4	1211.5	1208.7	1208.0	1198.0	1184.5	1177.8	1174.9
170°	1208.0	1208.0	1208.0	1208.0	1208.0	1208.0	1208.0	1198.0	1184.5	1177.8	1177.6
172.5°	1201.7	1201.1	1198.6	1196.1	1198.6	1201.1	1201.7	1193.8	1183.1	1177.8	1177.8
175°	1192.9	1192.9	1192.9	1192.9	1192.9	1192.9	1192.9	1187.8	1181.1	1177.8	1179.4
177.5°	1191.4	1190.7	1187.8	1185.0	1187.8	1190.7	1191.4	1187.4	1182.1	1179.4	1180.7
180°	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2670.2	2670.2	2670.2	2670.2	2670.2
2.5°	2637.3	2650.0	2657.6	2667.7	2693.0
5°	2536.3	2584.3	2599.5	2637.3	2682.8
7.5°	2314.0	2460.6	2500.9	2591.9	2662.7
10°	2099.3	2245.8	2316.5	2531.3	2637.3
12.5°	1990.7	2076.5	2124.5	2425.2	2601.9
15°	1922.4	1983.0	2018.4	2283.7	2561.6
17.5°	1869.4	1912.4	1937.6	2144.8	2506.0
20°	1836.6	1856.7	1879.5	2043.7	2442.9
22.5°	1813.8	1801.2	1818.9	1973.0	2356.9
25°	1798.6	1750.6	1770.9	1917.4	2255.9
27.5°	1811.3	1705.2	1712.8	1866.9	2149.8
30°	1813.8	1649.6	1652.2	1813.8	2031.0
32.5°	1796.1	1591.5	1594.0	1748.1	1897.2
35°	1753.2	1523.3	1520.8	1672.3	1715.3
37.5°	1695.1	1450.1	1450.1	1589.0	1515.7
40°	1624.3	1376.7	1384.4	1480.4	1338.9
42.5°	1538.5	1298.4	1308.6	1336.4	1207.5
45°	1445.0	1222.7	1230.3	1129.2	1106.5
47.5°	1341.5	1144.3	1146.9	937.3	1073.7
50°	1217.7	1063.6	1053.4	803.3	1071.1
52.5°	1109.0	975.1	944.8	727.5	972.6
55°	1002.9	881.6	815.9	669.5	901.9
57.5°	909.4	760.4	697.2	601.2	886.7
60°	823.5	641.7	593.7	528.0	813.5
62.5°	752.8	553.2	543.1	477.4	737.6
65°	677.0	492.6	490.0	434.5	626.5
67.5°	603.8	452.2	449.7	394.1	477.4
70°	525.4	409.3	404.2	351.1	353.6
72.5°	444.6	361.3	356.2	315.8	293.0
75°	363.8	305.6	303.1	275.3	237.5
77.5°	285.5	242.5	247.6	222.3	174.3
80°	204.6	176.9	181.9	159.2	131.4
82.5°	136.4	116.2	121.2	101.0	88.4
85°	75.8	65.7	68.2	53.1	40.4
87.5°	35.4	30.3	30.3	20.2	12.6
90°	35.0	22.3	20.6	14.3	7.9
92.5°	215.8	153.5	140.1	85.9	31.8
95°	531.0	299.0	274.3	175.3	76.4
97.5°	715.3	328.5	306.7	219.3	132.0
100°	782.3	353.1	333.4	254.1	174.9
102.5°	813.0	377.7	359.3	285.4	211.6
105°	835.8	414.3	398.7	336.1	273.6
107.5°	840.1	468.4	453.8	395.5	337.2
110°	833.7	498.6	485.5	432.8	380.1



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CATALOG NUMBER: SQ4-FA-100U-100D-830-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	834.0	535.3	522.7	472.5	422.3
115°	841.7	590.1	578.6	532.2	485.9
117.5°	857.3	643.4	632.9	590.8	548.7
120°	870.1	674.4	664.5	624.9	585.4
122.5°	888.3	711.0	701.0	661.1	621.1
125°	913.0	757.9	748.8	712.4	676.0
127.5°	937.6	803.2	794.1	757.2	720.5
130°	955.6	833.4	823.5	783.9	744.3
132.5°	970.2	858.1	848.2	808.6	769.0
135°	986.2	886.8	877.8	841.7	805.6
137.5°	1010.0	923.3	914.4	878.7	843.0
140°	1024.5	948.0	939.7	906.9	874.0
142.5°	1036.8	966.2	958.7	928.3	897.9
145°	1052.7	994.1	987.5	961.0	934.5
147.5°	1076.1	1029.1	1022.6	996.8	971.0
150°	1088.2	1047.4	1041.6	1018.2	994.9
152.5°	1096.1	1059.3	1054.9	1037.3	1019.6
155°	1113.6	1085.5	1082.3	1069.2	1056.1
157.5°	1131.1	1111.8	1108.7	1095.9	1083.1
160°	1139.2	1123.8	1121.3	1111.4	1101.5
162.5°	1147.6	1136.5	1134.7	1127.2	1119.8
165°	1159.8	1154.8	1153.0	1146.3	1139.6
167.5°	1169.3	1165.1	1164.3	1161.1	1157.9
170°	1177.3	1177.0	1176.3	1173.0	1169.9
172.5°	1177.8	1177.8	1177.6	1176.9	1176.3
175°	1182.6	1185.0	1185.0	1185.0	1185.0
177.5°	1183.1	1185.0	1185.0	1185.0	1185.0
180°	1185.0	1185.0	1185.0	1185.0	1185.0



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	13.31	14.15	14.29	15.14	16.45	16.15	16.98	17.12	17.98	19.28
	3H	13.78	14.53	14.77	15.54	16.87	17.49	18.24	18.48	19.24	20.57
	4H	13.97	14.68	14.98	15.69	17.03	17.94	18.65	18.94	19.65	20.99
	6H	14.09	14.75	15.10	15.76	17.11	18.22	18.88	19.24	19.89	21.24
	8H	14.09	14.72	15.11	15.74	17.09	18.30	18.92	19.32	19.95	21.29
	12H	14.06	14.65	15.09	15.67	17.05	18.34	18.93	19.36	19.95	21.32
4H	2H	14.34	15.05	15.35	16.06	17.39	16.55	17.26	17.56	18.27	19.60
	3H	15.36	15.96	16.38	16.99	18.34	18.06	18.65	19.08	19.68	21.03
	4H	15.64	16.18	16.67	17.21	18.58	18.59	19.13	19.61	20.15	21.53
	6H	15.76	16.23	16.80	17.28	18.65	18.95	19.42	19.99	20.47	21.84
	8H	15.77	16.20	16.81	17.25	18.63	19.06	19.50	20.10	20.54	21.92
	12H	15.73	16.13	16.79	17.18	18.58	19.12	19.51	20.17	20.57	21.96
8H	4H	16.09	16.53	17.13	17.57	18.96	18.71	19.14	19.75	20.19	21.57
	6H	16.35	16.71	17.41	17.80	19.18	19.15	19.51	20.21	20.59	21.97
	8H	16.40	16.71	17.46	17.78	19.18	19.30	19.62	20.37	20.68	22.09
	12H	16.38	16.66	17.45	17.72	19.16	19.40	19.68	20.47	20.74	22.18
12H	4H	16.10	16.49	17.15	17.55	18.94	18.67	19.07	19.73	20.12	21.51
	6H	16.41	16.73	17.48	17.80	19.20	19.14	19.46	20.21	20.53	21.93
	8H	16.48	16.76	17.55	17.82	19.27	19.31	19.58	20.38	20.65	22.09