

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: P935272

Luminaire Tested: SQ4-FA-100U-100D-935-1D-UNV-STD-W-8

Issue Date: 12/17/2024

**Test Information**

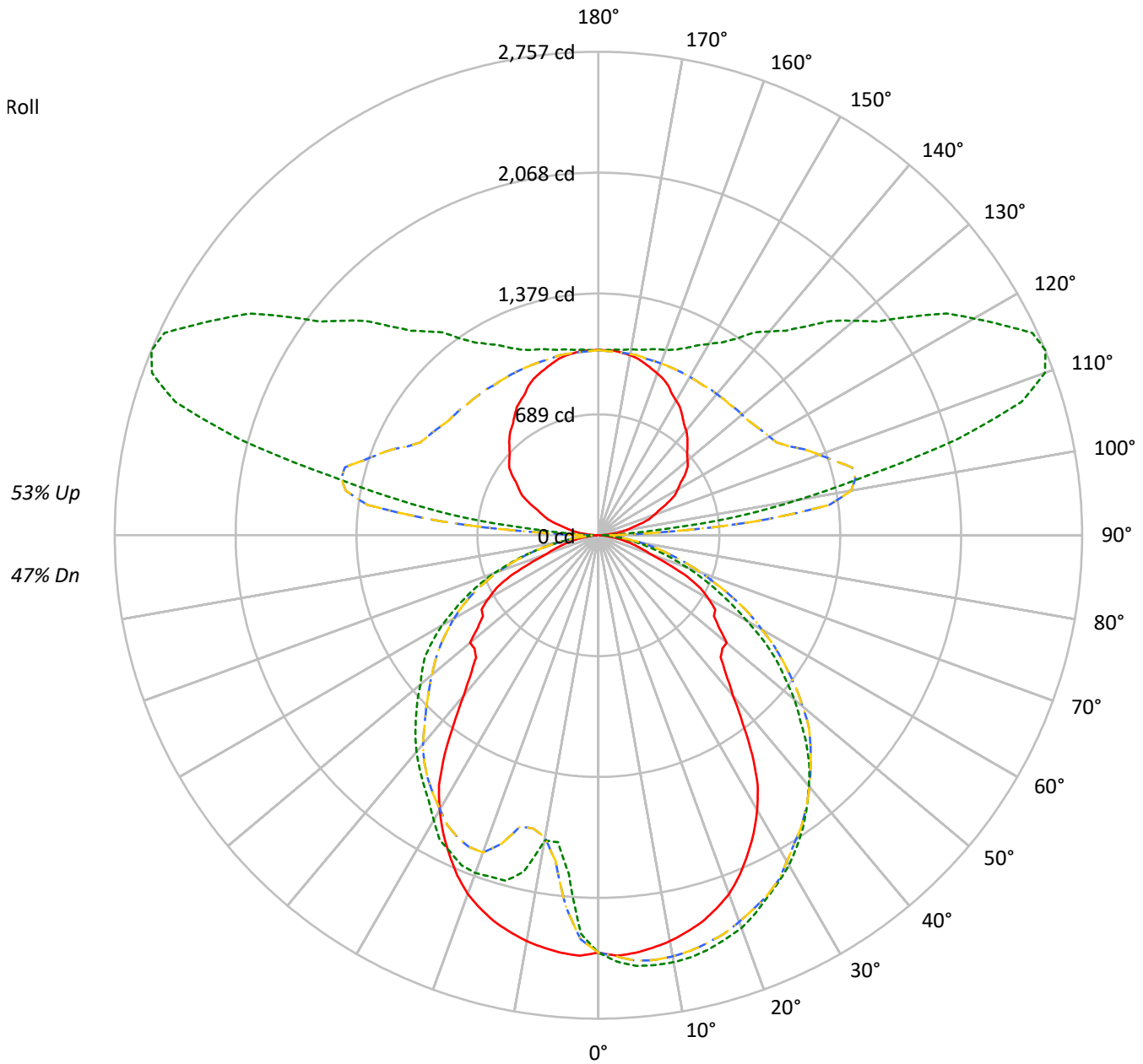
Test Method: LM-79-2019  
Report Number: P935272  
REPORT IS A COMBINATION OF REPORTS P933748 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-100D-935-1D-UNV-STD-W-8  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13020.3 lumens  
Efficiency: N/A  
Efficacy: 112.2 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

TEST NUMBER: P935272  
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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°	11041	11041	11041	11041
5°	11124	11146	11124	8764
10°	11049	10979	11049	7849
15°	10929	10741	10929	8969
20°	10700	10459	10700	8988
25°	10233	10048	10233	8797
30°	9628	9707	9628	8379
35°	8583	9275	8583	7919
40°	7152	8767	7152	7572
45°	6390	8172	6390	7173
50°	6789	7463	6789	6772
55°	6388	6699	6388	6541
60°	6585	5690	6585	5991
65°	5969	4703	5969	5257
70°	4134	3748	4134	4407
75°	3624	2771	3624	3318
80°	2922	1831	2922	1995
85°	1677	971	1677	824

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 9794 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	214.8	1.6
10°-20°	609.9	4.7
20°-30°	942.8	7.2
30°-40°	1125.5	8.6
40°-50°	1132.1	8.7
50°-60°	985.1	7.6
60°-70°	698.4	5.4
70°-80°	369.5	2.8
80°-90°	96.1	0.7
90°-100°	514.8	4.0
100°-110°	1353.4	10.4
110°-120°	1403.3	10.8
120°-130°	1125.6	8.6
130°-140°	883.2	6.8
140°-150°	677.9	5.2
150°-160°	488.2	3.7
160°-170°	298.7	2.3
170°-180°	100.9	0.8
0°-30°	1767.5	13.6
0°-40°	2893.0	22.2
0°-60°	5010.2	38.5
0°-90°	6174.2	47.4
90°-120°	3271.5	25.1
90°-150°	5958.2	45.8
90°-180°	6846.0	52.6
0°-180°	13020.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2380	2380	2380	2380	2380	
5°	2391	2465	2391	1938	2391	227
15°	2283	2443	2283	2040	2283	642
25°	2010	2278	2010	1995	2010	923
35°	1529	2033	1529	1736	1529	946
45°	986	1675	986	1470	986	790
55°	804	1236	804	1207	804	739
65°	558	745	558	833	558	534
75°	212	354	212	423	212	222
85°	36	90	36	76	36	49
90°	7	27	7	27	7	7
95°	68	311	68	311	68	76
105°	244	2119	244	2119	244	258
115°	433	2729	433	2729	433	428
125°	602	2173	602	2173	602	535
135°	718	1686	718	1686	718	555
145°	833	1368	833	1368	833	522
155°	941	1178	941	1178	941	432
165°	1016	1097	1016	1097	1016	287
175°	1056	1063	1056	1063	1056	100
180°	1056	1056	1056	1056	1056	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7
2.5°	2400.0	2400.0	2413.5	2418.0	2418.0	2411.2	2404.5	2411.2	2431.5	2438.3	2436.0
5°	2391.0	2408.9	2433.7	2438.3	2442.8	2440.5	2436.0	2440.5	2463.0	2467.6	2469.8
7.5°	2373.0	2406.7	2438.3	2445.0	2451.8	2445.0	2442.8	2447.3	2469.8	2474.3	2474.3
10°	2350.4	2397.7	2433.7	2438.3	2445.0	2438.3	2438.3	2447.3	2469.8	2474.3	2476.5
12.5°	2318.9	2384.2	2418.0	2422.5	2431.5	2429.2	2427.0	2436.0	2458.5	2463.0	2463.0
15°	2282.9	2359.4	2391.0	2395.5	2411.2	2406.7	2406.7	2415.8	2440.5	2447.3	2445.0
17.5°	2233.3	2327.9	2364.0	2370.7	2381.9	2379.7	2381.9	2391.0	2413.5	2418.0	2420.3
20°	2177.1	2285.1	2327.9	2334.7	2346.0	2346.0	2346.0	2357.2	2379.7	2388.8	2388.8
22.5°	2100.5	2240.2	2285.1	2289.7	2303.1	2303.1	2307.6	2323.4	2343.7	2346.0	2346.0
25°	2010.5	2190.6	2228.8	2242.4	2255.9	2262.7	2269.4	2278.4	2285.1	2282.9	2285.1
27.5°	1915.9	2127.5	2177.1	2186.1	2204.1	2210.9	2219.9	2222.1	2224.4	2231.1	2226.6
30°	1810.1	2039.8	2114.1	2123.1	2152.3	2156.8	2147.8	2152.3	2163.6	2168.1	2172.6
32.5°	1690.8	1909.2	2048.8	2069.0	2096.0	2082.5	2080.2	2087.1	2105.0	2105.0	2109.6
35°	1528.7	1807.9	1988.0	2005.9	2026.2	2010.5	2019.5	2021.7	2033.0	2039.8	2037.5
37.5°	1350.8	1720.0	1924.9	1938.5	1954.2	1934.0	1947.4	1954.2	1963.2	1958.7	1958.7
40°	1193.2	1582.8	1850.6	1859.7	1873.1	1857.4	1870.9	1875.4	1879.9	1875.4	1873.1
42.5°	1076.2	1431.9	1771.8	1783.1	1774.1	1785.4	1789.9	1798.8	1792.1	1783.1	1783.1
45°	986.1	1391.3	1686.3	1699.8	1686.3	1704.3	1711.1	1711.1	1690.8	1686.3	1684.1
47.5°	956.9	1310.3	1600.7	1600.7	1594.0	1616.5	1627.7	1612.0	1591.7	1585.0	1585.0
50°	954.6	1220.2	1483.7	1474.6	1506.2	1533.2	1521.9	1506.2	1490.4	1465.6	1465.6
52.5°	866.8	1109.9	1332.8	1366.6	1416.1	1431.9	1413.9	1398.1	1371.1	1359.9	1350.8
55°	803.8	995.1	1195.5	1263.0	1314.8	1335.1	1301.3	1285.6	1245.0	1238.3	1233.8
57.5°	790.2	828.5	1069.4	1155.0	1218.0	1215.7	1195.5	1166.2	1132.5	1125.7	1123.4
60°	725.0	598.9	934.3	1035.6	1101.0	1094.1	1076.2	1049.2	1017.6	1013.1	1008.6
62.5°	657.4	434.5	781.2	896.0	988.3	986.1	970.3	929.8	907.3	896.0	887.0
65°	558.3	364.7	556.1	745.2	878.1	882.5	848.8	819.5	794.7	781.2	779.0
67.5°	425.5	297.2	376.0	621.4	772.3	767.7	725.0	711.4	679.9	673.2	659.6
70°	315.2	198.1	261.1	504.3	668.6	657.4	623.7	607.9	578.6	562.8	553.8
72.5°	261.1	159.8	191.4	391.7	562.8	549.4	520.1	502.1	477.3	463.7	454.8
75°	211.6	168.9	146.4	290.4	457.0	448.1	421.0	403.0	382.7	364.7	367.0
77.5°	155.3	157.6	117.1	213.9	362.4	349.0	333.2	310.7	301.7	283.7	283.7
80°	117.1	123.8	87.8	146.4	261.1	261.1	247.7	231.9	216.2	207.1	207.1
82.5°	78.8	78.8	65.3	92.3	177.9	171.1	162.1	157.6	148.6	144.1	144.1
85°	36.0	45.0	40.6	56.3	96.8	101.3	101.3	96.8	94.6	90.1	92.3
87.5°	11.2	20.3	24.8	31.5	49.5	51.8	54.0	54.0	54.0	56.3	56.3
90°	7.1	12.8	18.4	19.9	31.2	46.3	53.8	47.9	35.9	26.9	26.9
92.5°	28.4	76.6	124.8	136.8	192.3	266.3	303.3	265.8	190.9	134.7	129.3
95°	68.1	156.3	244.4	266.5	473.2	748.8	886.7	791.3	600.3	457.2	441.0
97.5°	117.7	195.4	273.3	292.7	637.5	1097.0	1326.8	1266.5	1145.9	1055.4	1024.5
100°	155.9	226.5	297.1	314.7	697.2	1207.2	1462.2	1466.6	1475.4	1482.1	1445.2
102.5°	188.5	254.3	320.2	336.6	724.5	1241.8	1500.5	1577.3	1731.1	1846.4	1814.8
105°	243.8	299.6	355.3	369.3	744.9	1245.8	1496.2	1668.5	2013.1	2271.6	2254.6
107.5°	300.5	352.5	404.4	417.5	748.7	1190.3	1411.2	1651.5	2132.2	2492.7	2496.8
110°	338.8	385.7	432.6	444.4	743.0	1141.2	1340.3	1609.0	2146.4	2549.4	2567.1



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	376.3	421.1	465.9	477.0	743.3	1098.3	1275.8	1550.8	2100.8	2513.3	2540.4
115°	433.1	474.3	515.6	525.9	750.1	1049.1	1198.5	1463.5	1993.3	2390.7	2428.3
117.5°	489.0	526.5	564.0	573.4	764.1	1018.2	1145.3	1384.4	1862.6	2221.2	2262.9
120°	521.7	557.0	592.2	601.0	775.4	1007.9	1124.1	1342.6	1779.5	2107.2	2147.6
122.5°	553.5	589.2	624.8	633.6	791.7	1002.4	1107.8	1304.5	1698.0	1993.1	2033.0
125°	602.4	634.9	667.4	675.5	813.7	997.9	1090.0	1257.2	1591.5	1842.1	1878.9
127.5°	642.2	674.9	707.7	715.9	835.6	995.4	1075.2	1218.7	1505.7	1720.9	1751.9
130°	663.4	698.6	733.9	742.8	851.7	996.9	1069.5	1197.2	1452.7	1644.4	1673.0
132.5°	685.3	720.6	755.9	764.8	864.7	997.9	1064.6	1178.9	1407.6	1579.1	1604.7
135°	718.0	750.1	782.3	790.3	878.9	997.0	1056.1	1151.8	1343.3	1487.0	1509.1
137.5°	751.3	783.1	814.9	822.9	900.1	1003.1	1054.6	1135.5	1297.5	1418.9	1437.1
140°	778.9	808.2	837.5	844.8	913.1	1004.2	1049.7	1119.6	1259.5	1364.4	1381.3
142.5°	800.2	827.3	854.4	861.1	924.0	1007.7	1049.7	1111.1	1234.0	1326.1	1340.7
145°	832.8	856.4	880.1	886.0	938.2	1007.8	1042.6	1092.9	1193.3	1268.7	1279.7
147.5°	865.4	888.4	911.4	917.2	959.0	1014.7	1042.6	1082.1	1161.2	1220.5	1229.6
150°	886.7	907.5	928.3	933.5	969.8	1018.3	1042.6	1076.0	1142.8	1192.9	1200.3
152.5°	908.7	924.4	940.2	944.1	976.9	1020.7	1042.6	1071.1	1128.1	1170.9	1176.5
155°	941.2	952.9	964.5	967.4	992.5	1025.9	1042.6	1065.3	1110.7	1144.7	1148.3
157.5°	965.3	976.6	988.1	990.9	1008.1	1031.1	1042.6	1060.2	1095.5	1122.0	1124.6
160°	981.7	990.5	999.3	1001.5	1015.2	1033.5	1042.6	1057.8	1088.0	1110.7	1112.2
162.5°	997.9	1004.6	1011.2	1012.9	1022.7	1035.9	1042.6	1055.4	1080.8	1100.0	1101.5
165°	1015.7	1021.6	1027.6	1029.1	1033.6	1039.6	1042.6	1051.7	1070.0	1083.7	1085.3
167.5°	1031.9	1034.8	1037.7	1038.3	1042.1	1047.1	1049.7	1055.6	1067.6	1076.6	1077.2
170°	1042.6	1045.4	1048.3	1049.0	1049.2	1049.5	1049.7	1055.6	1067.6	1076.6	1076.6
172.5°	1048.3	1048.9	1049.5	1049.7	1049.7	1049.7	1049.7	1054.4	1063.9	1071.0	1070.5
175°	1056.1	1056.1	1056.1	1056.1	1053.9	1051.1	1049.7	1052.6	1058.6	1063.1	1063.1
177.5°	1056.1	1056.1	1056.1	1056.1	1054.4	1052.2	1051.1	1053.5	1058.2	1061.8	1061.2
180°	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7
2.5°	2440.5	2433.7	2440.5	2436.0	2438.3	2431.5	2411.2	2404.5	2411.2	2418.0	2418.0
5°	2469.8	2465.3	2469.8	2469.8	2467.6	2463.0	2440.5	2436.0	2440.5	2442.8	2438.3
7.5°	2478.8	2472.0	2478.8	2474.3	2474.3	2469.8	2447.3	2442.8	2445.0	2451.8	2445.0
10°	2478.8	2472.0	2478.8	2476.5	2474.3	2469.8	2447.3	2438.3	2438.3	2445.0	2438.3
12.5°	2467.6	2463.0	2467.6	2463.0	2463.0	2458.5	2436.0	2427.0	2429.2	2431.5	2422.5
15°	2449.5	2442.8	2449.5	2445.0	2447.3	2440.5	2415.8	2406.7	2406.7	2411.2	2395.5
17.5°	2422.5	2413.5	2422.5	2420.3	2418.0	2413.5	2391.0	2381.9	2379.7	2381.9	2370.7
20°	2391.0	2384.2	2391.0	2388.8	2388.8	2379.7	2357.2	2346.0	2346.0	2346.0	2334.7
22.5°	2341.5	2334.7	2341.5	2346.0	2346.0	2343.7	2323.4	2307.6	2303.1	2303.1	2289.7
25°	2285.1	2278.4	2285.1	2285.1	2282.9	2285.1	2278.4	2269.4	2262.7	2255.9	2242.4
27.5°	2231.1	2226.6	2231.1	2226.6	2231.1	2224.4	2222.1	2219.9	2210.9	2204.1	2186.1
30°	2177.1	2172.6	2177.1	2172.6	2168.1	2163.6	2152.3	2147.8	2156.8	2152.3	2123.1
32.5°	2109.6	2105.0	2109.6	2109.6	2105.0	2105.0	2087.1	2080.2	2082.5	2096.0	2069.0
35°	2039.8	2033.0	2039.8	2037.5	2039.8	2033.0	2021.7	2019.5	2010.5	2026.2	2005.9
37.5°	1958.7	1951.9	1958.7	1958.7	1958.7	1963.2	1954.2	1947.4	1934.0	1954.2	1938.5
40°	1875.4	1866.4	1875.4	1873.1	1875.4	1879.9	1875.4	1870.9	1857.4	1873.1	1859.7
42.5°	1780.9	1778.6	1780.9	1783.1	1783.1	1792.1	1798.8	1789.9	1785.4	1774.1	1783.1
45°	1679.5	1675.0	1679.5	1684.1	1686.3	1690.8	1711.1	1711.1	1704.3	1686.3	1699.8
47.5°	1571.4	1560.2	1571.4	1585.0	1585.0	1591.7	1612.0	1627.7	1616.5	1594.0	1600.7
50°	1456.7	1458.9	1456.7	1465.6	1465.6	1490.4	1506.2	1521.9	1533.2	1506.2	1474.6
52.5°	1344.1	1341.8	1344.1	1350.8	1359.9	1371.1	1398.1	1413.9	1431.9	1416.1	1366.6
55°	1231.5	1236.0	1231.5	1233.8	1238.3	1245.0	1285.6	1301.3	1335.1	1314.8	1263.0
57.5°	1118.9	1112.2	1118.9	1123.4	1125.7	1132.5	1166.2	1195.5	1215.7	1218.0	1155.0
60°	988.3	979.4	988.3	1008.6	1013.1	1017.6	1049.2	1076.2	1094.1	1101.0	1035.6
62.5°	873.6	857.8	873.6	887.0	896.0	907.3	929.8	970.3	986.1	988.3	896.0
65°	752.0	745.2	752.0	779.0	781.2	794.7	819.5	848.8	882.5	878.1	745.2
67.5°	641.6	641.6	641.6	659.6	673.2	679.9	711.4	725.0	767.7	772.3	621.4
70°	540.3	538.1	540.3	553.8	562.8	578.6	607.9	623.7	657.4	668.6	504.3
72.5°	443.6	441.3	443.6	454.8	463.7	477.3	502.1	520.1	549.4	562.8	391.7
75°	358.0	353.5	358.0	367.0	364.7	382.7	403.0	421.0	448.1	457.0	290.4
77.5°	274.7	274.7	274.7	283.7	283.7	301.7	310.7	333.2	349.0	362.4	213.9
80°	204.9	202.6	204.9	207.1	207.1	216.2	231.9	247.7	261.1	261.1	146.4
82.5°	144.1	139.6	144.1	144.1	144.1	148.6	157.6	162.1	171.1	177.9	92.3
85°	90.1	90.1	90.1	92.3	90.1	94.6	96.8	101.3	101.3	96.8	56.3
87.5°	58.5	56.3	58.5	56.3	56.3	54.0	54.0	54.0	51.8	49.5	31.5
90°	26.9	26.9	26.9	26.9	26.9	35.9	47.9	53.8	46.3	31.2	19.9
92.5°	107.9	86.5	107.9	129.3	134.7	190.9	265.8	303.3	266.3	192.3	136.8
95°	376.1	311.2	376.1	441.0	457.2	600.3	791.3	886.7	748.8	473.2	266.5
97.5°	901.0	777.5	901.0	1024.5	1055.4	1145.9	1266.5	1326.8	1097.0	637.5	292.7
100°	1298.2	1151.1	1298.2	1445.2	1482.1	1475.4	1466.6	1462.2	1207.2	697.2	314.7
102.5°	1688.8	1562.8	1688.8	1814.8	1846.4	1731.1	1577.3	1500.5	1241.8	724.5	336.6
105°	2186.9	2119.2	2186.9	2254.6	2271.6	2013.1	1668.5	1496.2	1245.8	744.9	369.3
107.5°	2513.2	2529.6	2513.2	2496.8	2492.7	2132.2	1651.5	1411.2	1190.3	748.7	417.5
110°	2637.6	2708.2	2637.6	2567.1	2549.4	2146.4	1609.0	1340.3	1141.2	743.0	444.4





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CATALOG NUMBER: SQ4-FA-100U-100D-935-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2648.7	2757.1	2648.7	2540.4	2513.3	2100.8	1550.8	1275.8	1098.3	743.3	477.0
115°	2578.5	2728.8	2578.5	2428.3	2390.7	1993.3	1463.5	1198.5	1049.1	750.1	525.9
117.5°	2429.6	2596.2	2429.6	2262.9	2221.2	1862.6	1384.4	1145.3	1018.2	764.1	573.4
120°	2309.6	2471.5	2309.6	2147.6	2107.2	1779.5	1342.6	1124.1	1007.9	775.4	601.0
122.5°	2192.7	2352.4	2192.7	2033.0	1993.1	1698.0	1304.5	1107.8	1002.4	791.7	633.6
125°	2026.0	2173.1	2026.0	1878.9	1842.1	1591.5	1257.2	1090.0	997.9	813.7	675.5
127.5°	1876.0	2000.2	1876.0	1751.9	1720.9	1505.7	1218.7	1075.2	995.4	835.6	715.9
130°	1787.7	1902.3	1787.7	1673.0	1644.4	1452.7	1197.2	1069.5	996.9	851.7	742.8
132.5°	1707.5	1810.2	1707.5	1604.7	1579.1	1407.6	1178.9	1064.6	997.9	864.7	764.8
135°	1597.7	1686.2	1597.7	1509.1	1487.0	1343.3	1151.8	1056.1	997.0	878.9	790.3
137.5°	1509.5	1582.0	1509.5	1437.1	1418.9	1297.5	1135.5	1054.6	1003.1	900.1	822.9
140°	1449.0	1516.7	1449.0	1381.3	1364.4	1259.5	1119.6	1049.7	1004.2	913.1	844.8
142.5°	1399.0	1457.3	1399.0	1340.7	1326.1	1234.0	1111.1	1049.7	1007.7	924.0	861.1
145°	1323.8	1367.9	1323.8	1279.7	1268.7	1193.3	1092.9	1042.6	1007.8	938.2	886.0
147.5°	1266.2	1302.7	1266.2	1229.6	1220.5	1161.2	1082.1	1042.6	1014.7	959.0	917.2
150°	1229.9	1259.5	1229.9	1200.3	1192.9	1142.8	1076.0	1042.6	1018.3	969.8	933.5
152.5°	1198.8	1221.2	1198.8	1176.5	1170.9	1128.1	1071.1	1042.6	1020.7	976.9	944.1
155°	1163.2	1178.0	1163.2	1148.3	1144.7	1110.7	1065.3	1042.6	1025.9	992.5	967.4
157.5°	1134.9	1145.3	1134.9	1124.6	1122.0	1095.5	1060.2	1042.6	1031.1	1008.1	990.9
160°	1118.2	1124.1	1118.2	1112.2	1110.7	1088.0	1057.8	1042.6	1033.5	1015.2	1001.5
162.5°	1107.1	1112.8	1107.1	1101.5	1100.0	1080.8	1055.4	1042.6	1035.9	1022.7	1012.9
165°	1091.2	1097.2	1091.2	1085.3	1083.7	1070.0	1051.7	1042.6	1039.6	1033.6	1029.1
167.5°	1079.7	1082.3	1079.7	1077.2	1076.6	1067.6	1055.6	1049.7	1047.1	1042.1	1038.3
170°	1076.6	1076.6	1076.6	1076.6	1076.6	1067.6	1055.6	1049.7	1049.5	1049.2	1049.0
172.5°	1068.2	1066.0	1068.2	1070.5	1071.0	1063.9	1054.4	1049.7	1049.7	1049.7	1049.7
175°	1063.1	1063.1	1063.1	1063.1	1063.1	1058.6	1052.6	1049.7	1051.1	1053.9	1056.1
177.5°	1058.6	1056.1	1058.6	1061.2	1061.8	1058.2	1053.5	1051.1	1052.2	1054.4	1056.1
180°	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1



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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7
2.5°	2413.5	2400.0	2400.0	2377.5	2368.5	2361.7	2350.4	2316.7	2307.6	2298.7	2312.2
5°	2433.7	2408.9	2391.0	2350.4	2316.7	2303.1	2260.4	2179.3	2125.3	2084.8	2062.3
7.5°	2438.3	2406.7	2373.0	2309.9	2228.8	2192.9	2062.3	1913.7	1873.1	1837.2	1814.6
10°	2433.7	2397.7	2350.4	2255.9	2064.5	2001.5	1870.9	1774.1	1749.3	1742.6	1749.3
12.5°	2418.0	2384.2	2318.9	2161.4	1893.4	1850.6	1774.1	1717.8	1713.3	1724.5	1785.4
15°	2391.0	2359.4	2282.9	2035.3	1798.8	1767.3	1713.3	1693.0	1717.8	1796.6	1978.9
17.5°	2364.0	2327.9	2233.3	1911.5	1726.8	1704.3	1666.0	1706.6	1846.1	1951.9	2012.8
20°	2327.9	2285.1	2177.1	1821.4	1675.0	1654.8	1636.8	1819.1	1924.9	1963.2	1997.0
22.5°	2285.1	2240.2	2100.5	1758.4	1621.0	1605.3	1616.5	1882.2	1924.9	1951.9	1981.2
25°	2228.8	2190.6	2010.5	1708.8	1578.2	1560.2	1603.0	1875.4	1900.1	1906.9	1965.5
27.5°	2177.1	2127.5	1915.9	1663.8	1526.4	1519.7	1614.3	1846.1	1864.2	1870.9	1934.0
30°	2114.1	2039.8	1810.1	1616.5	1472.4	1470.1	1616.5	1810.1	1805.6	1823.6	1886.7
32.5°	2048.8	1909.2	1690.8	1558.0	1420.6	1418.4	1600.7	1756.1	1751.5	1776.3	1823.6
35°	1988.0	1807.9	1528.7	1490.4	1355.4	1357.6	1562.5	1693.0	1695.3	1717.8	1747.1
37.5°	1924.9	1720.0	1350.8	1416.1	1292.3	1292.3	1510.7	1634.5	1630.0	1636.8	1677.2
40°	1850.6	1582.8	1193.2	1319.3	1233.8	1227.0	1447.6	1571.4	1555.7	1553.5	1609.8
42.5°	1771.8	1431.9	1076.2	1191.0	1166.2	1157.2	1371.1	1494.9	1465.6	1472.4	1544.4
45°	1686.3	1391.3	986.1	1006.4	1096.4	1089.7	1287.8	1407.1	1386.9	1404.9	1479.2
47.5°	1600.7	1310.3	956.9	835.3	1022.1	1019.8	1195.5	1321.5	1310.3	1328.4	1407.1
50°	1483.7	1220.2	954.6	715.9	938.8	947.8	1085.2	1238.3	1238.3	1254.1	1337.3
52.5°	1332.8	1109.9	866.8	648.4	842.0	869.0	988.3	1166.2	1170.7	1186.5	1260.8
55°	1195.5	995.1	803.8	596.7	727.2	785.7	893.8	1091.9	1101.0	1116.7	1184.2
57.5°	1069.4	828.5	790.2	535.8	621.4	677.7	810.5	1019.8	1024.4	1037.9	1103.2
60°	934.3	598.9	725.0	470.6	529.1	571.9	733.9	934.3	950.1	959.1	1015.4
62.5°	781.2	434.5	657.4	425.5	484.0	493.1	670.9	853.3	873.6	880.3	914.0
65°	556.1	364.7	558.3	387.2	436.7	439.0	603.4	770.0	788.0	799.3	824.0
67.5°	376.0	297.2	425.5	351.2	400.8	403.0	538.1	673.2	698.0	706.9	722.7
70°	261.1	198.1	315.2	312.9	360.2	364.7	468.3	585.3	607.9	614.6	623.7
72.5°	191.4	159.8	261.1	281.4	317.5	322.0	396.3	486.3	508.8	515.5	520.1
75°	146.4	168.9	211.6	245.4	270.2	272.4	324.2	396.3	412.0	416.5	418.8
77.5°	117.1	157.6	155.3	198.1	220.7	216.2	254.4	306.2	319.7	319.7	319.7
80°	87.8	123.8	117.1	141.9	162.1	157.6	182.3	218.4	222.9	227.4	225.1
82.5°	65.3	78.8	78.8	90.1	108.0	103.6	121.6	141.9	141.9	141.9	146.4
85°	40.6	45.0	36.0	47.3	60.7	58.5	67.6	76.5	78.8	78.8	74.3
87.5°	24.8	20.3	11.2	18.0	27.0	27.0	31.5	33.7	31.5	31.5	31.5
90°	18.4	12.8	7.1	12.8	18.4	19.9	31.2	46.3	53.8	47.9	35.9
92.5°	124.8	76.6	28.4	76.6	124.8	136.8	192.3	266.3	303.3	265.8	190.9
95°	244.4	156.3	68.1	156.3	244.4	266.5	473.2	748.8	886.7	791.3	600.3
97.5°	273.3	195.4	117.7	195.4	273.3	292.7	637.5	1097.0	1326.8	1266.5	1145.9
100°	297.1	226.5	155.9	226.5	297.1	314.7	697.2	1207.2	1462.2	1466.6	1475.4
102.5°	320.2	254.3	188.5	254.3	320.2	336.6	724.5	1241.8	1500.5	1577.3	1731.1
105°	355.3	299.6	243.8	299.6	355.3	369.3	744.9	1245.8	1496.2	1668.5	2013.1
107.5°	404.4	352.5	300.5	352.5	404.4	417.5	748.7	1190.3	1411.2	1651.5	2132.2
110°	432.6	385.7	338.8	385.7	432.6	444.4	743.0	1141.2	1340.3	1609.0	2146.4



TEST NUMBER: P935272

CATALOG NUMBER: SQ4-FA-100U-100D-935-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	465.9	421.1	376.3	421.1	465.9	477.0	743.3	1098.3	1275.8	1550.8	2100.8
115°	515.6	474.3	433.1	474.3	515.6	525.9	750.1	1049.1	1198.5	1463.5	1993.3
117.5°	564.0	526.5	489.0	526.5	564.0	573.4	764.1	1018.2	1145.3	1384.4	1862.6
120°	592.2	557.0	521.7	557.0	592.2	601.0	775.4	1007.9	1124.1	1342.6	1779.5
122.5°	624.8	589.2	553.5	589.2	624.8	633.6	791.7	1002.4	1107.8	1304.5	1698.0
125°	667.4	634.9	602.4	634.9	667.4	675.5	813.7	997.9	1090.0	1257.2	1591.5
127.5°	707.7	674.9	642.2	674.9	707.7	715.9	835.6	995.4	1075.2	1218.7	1505.7
130°	733.9	698.6	663.4	698.6	733.9	742.8	851.7	996.9	1069.5	1197.2	1452.7
132.5°	755.9	720.6	685.3	720.6	755.9	764.8	864.7	997.9	1064.6	1178.9	1407.6
135°	782.3	750.1	718.0	750.1	782.3	790.3	878.9	997.0	1056.1	1151.8	1343.3
137.5°	814.9	783.1	751.3	783.1	814.9	822.9	900.1	1003.1	1054.6	1135.5	1297.5
140°	837.5	808.2	778.9	808.2	837.5	844.8	913.1	1004.2	1049.7	1119.6	1259.5
142.5°	854.4	827.3	800.2	827.3	854.4	861.1	924.0	1007.7	1049.7	1111.1	1234.0
145°	880.1	856.4	832.8	856.4	880.1	886.0	938.2	1007.8	1042.6	1092.9	1193.3
147.5°	911.4	888.4	865.4	888.4	911.4	917.2	959.0	1014.7	1042.6	1082.1	1161.2
150°	928.3	907.5	886.7	907.5	928.3	933.5	969.8	1018.3	1042.6	1076.0	1142.8
152.5°	940.2	924.4	908.7	924.4	940.2	944.1	976.9	1020.7	1042.6	1071.1	1128.1
155°	964.5	952.9	941.2	952.9	964.5	967.4	992.5	1025.9	1042.6	1065.3	1110.7
157.5°	988.1	976.6	965.3	976.6	988.1	990.9	1008.1	1031.1	1042.6	1060.2	1095.5
160°	999.3	990.5	981.7	990.5	999.3	1001.5	1015.2	1033.5	1042.6	1057.8	1088.0
162.5°	1011.2	1004.6	997.9	1004.6	1011.2	1012.9	1022.7	1035.9	1042.6	1055.4	1080.8
165°	1027.6	1021.6	1015.7	1021.6	1027.6	1029.1	1033.6	1039.6	1042.6	1051.7	1070.0
167.5°	1037.7	1034.8	1031.9	1034.8	1037.7	1038.3	1042.1	1047.1	1049.7	1055.6	1067.6
170°	1048.3	1045.4	1042.6	1045.4	1048.3	1049.0	1049.2	1049.5	1049.7	1055.6	1067.6
172.5°	1049.5	1048.9	1048.3	1048.9	1049.5	1049.7	1049.7	1049.7	1049.7	1054.4	1063.9
175°	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1053.9	1051.1	1049.7	1052.6	1058.6
177.5°	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1054.4	1052.2	1051.1	1053.5	1058.2
180°	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1



TEST NUMBER: P935272  
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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7
2.5°	2296.4	2289.7	2298.7	2273.9	2298.7	2289.7	2296.4	2312.2	2298.7	2307.6	2316.7
5°	2015.0	2003.7	1967.7	1938.5	1967.7	2003.7	2015.0	2062.3	2084.8	2125.3	2179.3
7.5°	1801.1	1792.1	1783.1	1765.1	1783.1	1792.1	1801.1	1814.6	1837.2	1873.1	1913.7
10°	1753.8	1756.1	1769.6	1767.3	1769.6	1756.1	1753.8	1749.3	1742.6	1749.3	1774.1
12.5°	1875.4	1895.7	1970.0	1965.5	1970.0	1895.7	1875.4	1785.4	1724.5	1713.3	1717.8
15°	2015.0	2021.7	2037.5	2039.8	2037.5	2021.7	2015.0	1978.9	1796.6	1717.8	1693.0
17.5°	2028.5	2030.7	2042.0	2042.0	2042.0	2030.7	2028.5	2012.8	1951.9	1846.1	1706.6
20°	2017.3	2021.7	2044.3	2048.8	2044.3	2021.7	2017.3	1997.0	1963.2	1924.9	1819.1
22.5°	2012.8	2021.7	2039.8	2037.5	2039.8	2021.7	2012.8	1981.2	1951.9	1924.9	1882.2
25°	1990.2	1990.2	1992.5	1994.7	1992.5	1990.2	1990.2	1965.5	1906.9	1900.1	1875.4
27.5°	1943.0	1947.4	1961.0	1958.7	1961.0	1947.4	1943.0	1934.0	1870.9	1864.2	1846.1
30°	1900.1	1895.7	1884.4	1875.4	1884.4	1895.7	1900.1	1886.7	1823.6	1805.6	1810.1
32.5°	1828.1	1816.9	1805.6	1798.8	1805.6	1816.9	1828.1	1823.6	1776.3	1751.5	1756.1
35°	1742.6	1744.8	1742.6	1735.8	1742.6	1744.8	1742.6	1747.1	1717.8	1695.3	1693.0
37.5°	1681.8	1686.3	1684.1	1675.0	1684.1	1686.3	1681.8	1677.2	1636.8	1630.0	1634.5
40°	1618.7	1621.0	1618.7	1612.0	1618.7	1621.0	1618.7	1609.8	1553.5	1555.7	1571.4
42.5°	1558.0	1555.7	1548.9	1544.4	1548.9	1555.7	1558.0	1544.4	1472.4	1465.6	1494.9
45°	1488.2	1490.4	1476.9	1470.1	1476.9	1490.4	1488.2	1479.2	1404.9	1386.9	1407.1
47.5°	1418.4	1418.4	1407.1	1400.3	1407.1	1418.4	1418.4	1407.1	1328.4	1310.3	1321.5
50°	1344.1	1341.8	1326.1	1323.8	1326.1	1341.8	1344.1	1337.3	1254.1	1238.3	1238.3
52.5°	1258.5	1258.5	1260.8	1265.3	1260.8	1258.5	1258.5	1260.8	1186.5	1170.7	1166.2
55°	1184.2	1186.5	1202.3	1206.8	1202.3	1186.5	1184.2	1184.2	1116.7	1101.0	1091.9
57.5°	1107.7	1107.7	1118.9	1118.9	1118.9	1107.7	1107.7	1103.2	1037.9	1024.4	1019.8
60°	1019.8	1024.4	1033.4	1031.2	1033.4	1024.4	1019.8	1015.4	959.1	950.1	934.3
62.5°	927.6	932.1	934.3	929.8	934.3	932.1	927.6	914.0	880.3	873.6	853.3
65°	830.8	835.3	837.5	833.0	837.5	835.3	830.8	824.0	799.3	788.0	770.0
67.5°	731.7	729.5	727.2	736.2	727.2	729.5	731.7	722.7	706.9	698.0	673.2
70°	630.4	630.4	628.1	632.6	628.1	630.4	630.4	623.7	614.6	607.9	585.3
72.5°	522.4	520.1	529.1	522.4	529.1	520.1	522.4	520.1	515.5	508.8	486.3
75°	416.5	421.0	416.5	423.3	416.5	421.0	416.5	418.8	416.5	412.0	396.3
77.5°	317.5	322.0	317.5	317.5	317.5	322.0	317.5	319.7	319.7	319.7	306.2
80°	225.1	222.9	222.9	220.7	222.9	222.9	225.1	225.1	227.4	222.9	218.4
82.5°	144.1	141.9	141.9	146.4	141.9	141.9	144.1	146.4	141.9	141.9	141.9
85°	78.8	81.0	76.5	76.5	76.5	81.0	78.8	74.3	78.8	78.8	76.5
87.5°	29.3	27.0	27.0	27.0	27.0	27.0	29.3	31.5	31.5	31.5	33.7
90°	26.9	26.9	26.9	26.9	26.9	26.9	26.9	35.9	47.9	53.8	46.3
92.5°	134.7	129.3	107.9	86.5	107.9	129.3	134.7	190.9	265.8	303.3	266.3
95°	457.2	441.0	376.1	311.2	376.1	441.0	457.2	600.3	791.3	886.7	748.8
97.5°	1055.4	1024.5	901.0	777.5	901.0	1024.5	1055.4	1145.9	1266.5	1326.8	1097.0
100°	1482.1	1445.2	1298.2	1151.1	1298.2	1445.2	1482.1	1475.4	1466.6	1462.2	1207.2
102.5°	1846.4	1814.8	1688.8	1562.8	1688.8	1814.8	1846.4	1731.1	1577.3	1500.5	1241.8
105°	2271.6	2254.6	2186.9	2119.2	2186.9	2254.6	2271.6	2013.1	1668.5	1496.2	1245.8
107.5°	2492.7	2496.8	2513.2	2529.6	2513.2	2496.8	2492.7	2132.2	1651.5	1411.2	1190.3
110°	2549.4	2567.1	2637.6	2708.2	2637.6	2567.1	2549.4	2146.4	1609.0	1340.3	1141.2



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2513.3	2540.4	2648.7	2757.1	2648.7	2540.4	2513.3	2100.8	1550.8	1275.8	1098.3
115°	2390.7	2428.3	2578.5	2728.8	2578.5	2428.3	2390.7	1993.3	1463.5	1198.5	1049.1
117.5°	2221.2	2262.9	2429.6	2596.2	2429.6	2262.9	2221.2	1862.6	1384.4	1145.3	1018.2
120°	2107.2	2147.6	2309.6	2471.5	2309.6	2147.6	2107.2	1779.5	1342.6	1124.1	1007.9
122.5°	1993.1	2033.0	2192.7	2352.4	2192.7	2033.0	1993.1	1698.0	1304.5	1107.8	1002.4
125°	1842.1	1878.9	2026.0	2173.1	2026.0	1878.9	1842.1	1591.5	1257.2	1090.0	997.9
127.5°	1720.9	1751.9	1876.0	2000.2	1876.0	1751.9	1720.9	1505.7	1218.7	1075.2	995.4
130°	1644.4	1673.0	1787.7	1902.3	1787.7	1673.0	1644.4	1452.7	1197.2	1069.5	996.9
132.5°	1579.1	1604.7	1707.5	1810.2	1707.5	1604.7	1579.1	1407.6	1178.9	1064.6	997.9
135°	1487.0	1509.1	1597.7	1686.2	1597.7	1509.1	1487.0	1343.3	1151.8	1056.1	997.0
137.5°	1418.9	1437.1	1509.5	1582.0	1509.5	1437.1	1418.9	1297.5	1135.5	1054.6	1003.1
140°	1364.4	1381.3	1449.0	1516.7	1449.0	1381.3	1364.4	1259.5	1119.6	1049.7	1004.2
142.5°	1326.1	1340.7	1399.0	1457.3	1399.0	1340.7	1326.1	1234.0	1111.1	1049.7	1007.7
145°	1268.7	1279.7	1323.8	1367.9	1323.8	1279.7	1268.7	1193.3	1092.9	1042.6	1007.8
147.5°	1220.5	1229.6	1266.2	1302.7	1266.2	1229.6	1220.5	1161.2	1082.1	1042.6	1014.7
150°	1192.9	1200.3	1229.9	1259.5	1229.9	1200.3	1192.9	1142.8	1076.0	1042.6	1018.3
152.5°	1170.9	1176.5	1198.8	1221.2	1198.8	1176.5	1170.9	1128.1	1071.1	1042.6	1020.7
155°	1144.7	1148.3	1163.2	1178.0	1163.2	1148.3	1144.7	1110.7	1065.3	1042.6	1025.9
157.5°	1122.0	1124.6	1134.9	1145.3	1134.9	1124.6	1122.0	1095.5	1060.2	1042.6	1031.1
160°	1110.7	1112.2	1118.2	1124.1	1118.2	1112.2	1110.7	1088.0	1057.8	1042.6	1033.5
162.5°	1100.0	1101.5	1107.1	1112.8	1107.1	1101.5	1100.0	1080.8	1055.4	1042.6	1035.9
165°	1083.7	1085.3	1091.2	1097.2	1091.2	1085.3	1083.7	1070.0	1051.7	1042.6	1039.6
167.5°	1076.6	1077.2	1079.7	1082.3	1079.7	1077.2	1076.6	1067.6	1055.6	1049.7	1047.1
170°	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1067.6	1055.6	1049.7	1049.5
172.5°	1071.0	1070.5	1068.2	1066.0	1068.2	1070.5	1071.0	1063.9	1054.4	1049.7	1049.7
175°	1063.1	1063.1	1063.1	1063.1	1063.1	1063.1	1063.1	1058.6	1052.6	1049.7	1051.1
177.5°	1061.8	1061.2	1058.6	1056.1	1058.6	1061.2	1061.8	1058.2	1053.5	1051.1	1052.2
180°	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2379.7	2379.7	2379.7	2379.7	2379.7
2.5°	2350.4	2361.7	2368.5	2377.5	2400.0
5°	2260.4	2303.1	2316.7	2350.4	2391.0
7.5°	2062.3	2192.9	2228.8	2309.9	2373.0
10°	1870.9	2001.5	2064.5	2255.9	2350.4
12.5°	1774.1	1850.6	1893.4	2161.4	2318.9
15°	1713.3	1767.3	1798.8	2035.3	2282.9
17.5°	1666.0	1704.3	1726.8	1911.5	2233.3
20°	1636.8	1654.8	1675.0	1821.4	2177.1
22.5°	1616.5	1605.3	1621.0	1758.4	2100.5
25°	1603.0	1560.2	1578.2	1708.8	2010.5
27.5°	1614.3	1519.7	1526.4	1663.8	1915.9
30°	1616.5	1470.1	1472.4	1616.5	1810.1
32.5°	1600.7	1418.4	1420.6	1558.0	1690.8
35°	1562.5	1357.6	1355.4	1490.4	1528.7
37.5°	1510.7	1292.3	1292.3	1416.1	1350.8
40°	1447.6	1227.0	1233.8	1319.3	1193.2
42.5°	1371.1	1157.2	1166.2	1191.0	1076.2
45°	1287.8	1089.7	1096.4	1006.4	986.1
47.5°	1195.5	1019.8	1022.1	835.3	956.9
50°	1085.2	947.8	938.8	715.9	954.6
52.5°	988.3	869.0	842.0	648.4	866.8
55°	893.8	785.7	727.2	596.7	803.8
57.5°	810.5	677.7	621.4	535.8	790.2
60°	733.9	571.9	529.1	470.6	725.0
62.5°	670.9	493.1	484.0	425.5	657.4
65°	603.4	439.0	436.7	387.2	558.3
67.5°	538.1	403.0	400.8	351.2	425.5
70°	468.3	364.7	360.2	312.9	315.2
72.5°	396.3	322.0	317.5	281.4	261.1
75°	324.2	272.4	270.2	245.4	211.6
77.5°	254.4	216.2	220.7	198.1	155.3
80°	182.3	157.6	162.1	141.9	117.1
82.5°	121.6	103.6	108.0	90.1	78.8
85°	67.6	58.5	60.7	47.3	36.0
87.5°	31.5	27.0	27.0	18.0	11.2
90°	31.2	19.9	18.4	12.8	7.1
92.5°	192.3	136.8	124.8	76.6	28.4
95°	473.2	266.5	244.4	156.3	68.1
97.5°	637.5	292.7	273.3	195.4	117.7
100°	697.2	314.7	297.1	226.5	155.9
102.5°	724.5	336.6	320.2	254.3	188.5
105°	744.9	369.3	355.3	299.6	243.8
107.5°	748.7	417.5	404.4	352.5	300.5
110°	743.0	444.4	432.6	385.7	338.8



TEST NUMBER: P935272

CATALOG NUMBER: SQ4-FA-100U-100D-935-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	743.3	477.0	465.9	421.1	376.3
115°	750.1	525.9	515.6	474.3	433.1
117.5°	764.1	573.4	564.0	526.5	489.0
120°	775.4	601.0	592.2	557.0	521.7
122.5°	791.7	633.6	624.8	589.2	553.5
125°	813.7	675.5	667.4	634.9	602.4
127.5°	835.6	715.9	707.7	674.9	642.2
130°	851.7	742.8	733.9	698.6	663.4
132.5°	864.7	764.8	755.9	720.6	685.3
135°	878.9	790.3	782.3	750.1	718.0
137.5°	900.1	822.9	814.9	783.1	751.3
140°	913.1	844.8	837.5	808.2	778.9
142.5°	924.0	861.1	854.4	827.3	800.2
145°	938.2	886.0	880.1	856.4	832.8
147.5°	959.0	917.2	911.4	888.4	865.4
150°	969.8	933.5	928.3	907.5	886.7
152.5°	976.9	944.1	940.2	924.4	908.7
155°	992.5	967.4	964.5	952.9	941.2
157.5°	1008.1	990.9	988.1	976.6	965.3
160°	1015.2	1001.5	999.3	990.5	981.7
162.5°	1022.7	1012.9	1011.2	1004.6	997.9
165°	1033.6	1029.1	1027.6	1021.6	1015.7
167.5°	1042.1	1038.3	1037.7	1034.8	1031.9
170°	1049.2	1049.0	1048.3	1045.4	1042.6
172.5°	1049.7	1049.7	1049.5	1048.9	1048.3
175°	1053.9	1056.1	1056.1	1056.1	1056.1
177.5°	1054.4	1056.1	1056.1	1056.1	1056.1
180°	1056.1	1056.1	1056.1	1056.1	1056.1



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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	12.91	13.75	13.89	14.74	16.05	15.75	16.58	16.72	17.58	18.88
	3H	13.38	14.13	14.37	15.14	16.46	17.09	17.84	18.08	18.84	20.17
	4H	13.57	14.28	14.58	15.29	16.63	17.54	18.25	18.54	19.25	20.59
	6H	13.69	14.35	14.70	15.36	16.70	17.82	18.48	18.84	19.49	20.84
	8H	13.69	14.31	14.71	15.34	16.69	17.90	18.52	18.92	19.55	20.89
	12H	13.66	14.25	14.69	15.27	16.64	17.94	18.53	18.96	19.55	20.92
4H	2H	13.94	14.65	14.95	15.66	16.99	16.15	16.86	17.16	17.87	19.20
	3H	14.96	15.56	15.98	16.59	17.94	17.66	18.25	18.68	19.28	20.63
	4H	15.24	15.78	16.27	16.81	18.18	18.19	18.73	19.21	19.75	21.13
	6H	15.36	15.83	16.40	16.88	18.25	18.55	19.02	19.59	20.07	21.44
	8H	15.37	15.80	16.41	16.85	18.23	18.66	19.09	19.70	20.14	21.52
	12H	15.33	15.73	16.39	16.78	18.18	18.72	19.11	19.77	20.17	21.56
8H	4H	15.69	16.13	16.73	17.17	18.56	18.31	18.74	19.35	19.79	21.17
	6H	15.95	16.31	17.01	17.40	18.78	18.75	19.11	19.81	20.19	21.57
	8H	16.00	16.31	17.06	17.38	18.78	18.90	19.22	19.97	20.28	21.69
	12H	15.98	16.26	17.05	17.32	18.76	19.00	19.28	20.07	20.34	21.78
12H	4H	15.70	16.09	16.75	17.15	18.54	18.27	18.67	19.33	19.72	21.11
	6H	16.01	16.33	17.08	17.40	18.80	18.74	19.06	19.81	20.13	21.53
	8H	16.08	16.36	17.15	17.42	18.86	18.90	19.18	19.98	20.25	21.69