

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: P935252

Luminaire Tested: SQ4-FA-100U-100D-930-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935252
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-930-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

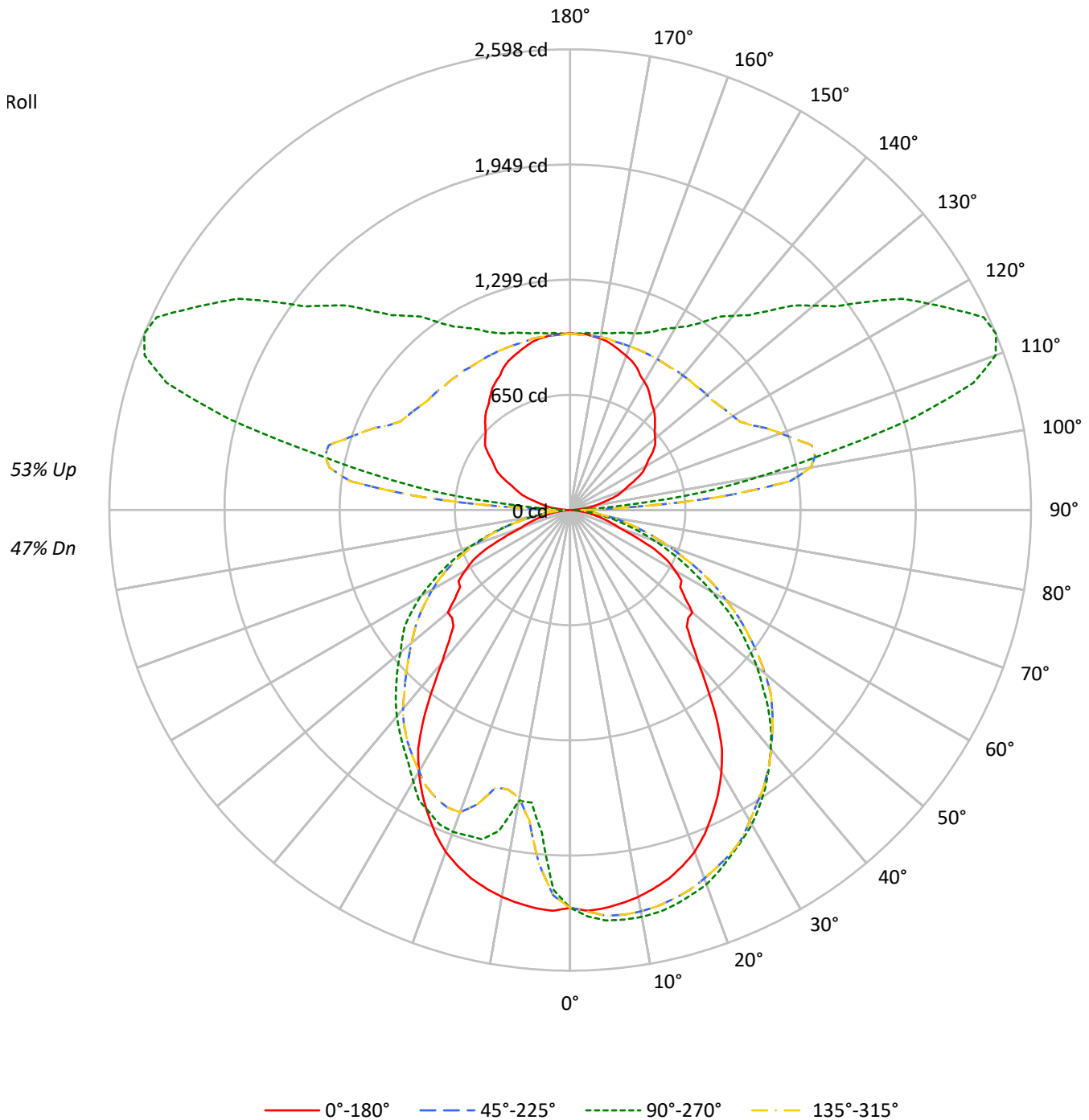
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12271.5 lumens
Efficiency: N/A
Efficacy: 105.8 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





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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°	10406	10406	10406	10406
5°	10484	10504	10484	8260
10°	10413	10347	10413	7398
15°	10300	10123	10300	8453
20°	10085	9858	10085	8471
25°	9644	9470	9644	8291
30°	9074	9148	9074	7897
35°	8089	8742	8089	7464
40°	6741	8263	6741	7137
45°	6023	7702	6023	6760
50°	6399	7034	6399	6383
55°	6021	6314	6021	6165
60°	6206	5362	6206	5646
65°	5626	4433	5626	4955
70°	3895	3533	3895	4153
75°	3417	2612	3417	3127
80°	2752	1727	2752	1880
85°	1584	915	1584	777

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 9231 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.5	1.6
10°-20°	574.8	4.7
20°-30°	888.6	7.2
30°-40°	1060.8	8.6
40°-50°	1067.0	8.7
50°-60°	928.4	7.6
60°-70°	658.3	5.4
70°-80°	348.3	2.8
80°-90°	90.5	0.7
90°-100°	485.2	4.0
100°-110°	1275.5	10.4
110°-120°	1322.6	10.8
120°-130°	1060.9	8.6
130°-140°	832.4	6.8
140°-150°	638.9	5.2
150°-160°	460.1	3.7
160°-170°	281.5	2.3
170°-180°	95.1	0.8
0°-30°	1665.9	13.6
0°-40°	2726.7	22.2
0°-60°	4722.1	38.5
0°-90°	5819.1	47.4
90°-120°	3083.3	25.1
90°-150°	5615.6	45.8
90°-180°	6452.0	52.6
0°-180°	12271.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2243	2243	2243	2243	2243	
5°	2254	2324	2254	1827	2254	214
15°	2152	2302	2152	1922	2152	605
25°	1895	2147	1895	1880	1895	870
35°	1441	1916	1441	1636	1441	891
45°	929	1579	929	1386	929	744
55°	758	1165	758	1137	758	696
65°	526	702	526	785	526	503
75°	200	333	200	399	200	210
85°	34	85	34	72	34	46
90°	7	25	7	25	7	7
95°	64	293	64	293	64	71
105°	230	1997	230	1997	230	244
115°	408	2572	408	2572	408	403
125°	568	2048	568	2048	568	504
135°	677	1589	677	1589	677	524
145°	785	1289	785	1289	785	492
155°	887	1110	887	1110	887	408
165°	957	1034	957	1034	957	270
175°	995	1002	995	1002	995	94
180°	995	995	995	995	995	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9
2.5°	2262.0	2262.0	2274.7	2278.9	2278.9	2272.6	2266.2	2272.6	2291.7	2298.0	2295.9
5°	2253.5	2270.4	2293.8	2298.0	2302.3	2300.1	2295.9	2300.1	2321.4	2325.6	2327.7
7.5°	2236.5	2268.3	2298.0	2304.4	2310.8	2304.4	2302.3	2306.5	2327.7	2332.0	2332.0
10°	2215.2	2259.8	2293.8	2298.0	2304.4	2298.0	2298.0	2306.5	2327.7	2332.0	2334.1
12.5°	2185.5	2247.1	2278.9	2283.2	2291.7	2289.5	2287.4	2295.9	2317.1	2321.4	2321.4
15°	2151.6	2223.7	2253.5	2257.7	2272.6	2268.3	2268.3	2276.8	2300.1	2306.5	2304.4
17.5°	2104.9	2194.0	2228.0	2234.3	2244.9	2242.9	2244.9	2253.5	2274.7	2278.9	2281.1
20°	2051.9	2153.7	2194.0	2200.4	2211.1	2211.1	2211.1	2221.7	2242.9	2251.4	2251.4
22.5°	1979.7	2111.3	2153.7	2158.0	2170.7	2170.7	2174.9	2189.8	2208.9	2211.1	2211.1
25°	1894.8	2064.6	2100.6	2113.4	2126.2	2132.5	2138.9	2147.4	2153.7	2151.6	2153.7
27.5°	1805.7	2005.2	2051.9	2060.3	2077.4	2083.7	2092.2	2094.3	2096.5	2102.8	2098.6
30°	1706.0	1922.5	1992.5	2001.0	2028.5	2032.8	2024.3	2028.5	2039.1	2043.4	2047.6
32.5°	1593.6	1799.4	1931.0	1950.0	1975.5	1962.8	1960.6	1967.0	1984.0	1984.0	1988.2
35°	1440.7	1703.9	1873.6	1890.6	1909.7	1894.8	1903.4	1905.4	1916.1	1922.5	1920.3
37.5°	1273.2	1621.1	1814.2	1827.0	1841.8	1822.7	1835.4	1841.8	1850.3	1846.1	1846.1
40°	1124.6	1491.7	1744.2	1752.7	1765.4	1750.5	1763.3	1767.6	1771.8	1767.6	1765.4
42.5°	1014.3	1349.5	1669.9	1680.5	1672.1	1682.7	1686.9	1695.4	1689.0	1680.5	1680.5
45°	929.4	1311.3	1589.3	1602.1	1589.3	1606.3	1612.7	1612.7	1593.6	1589.3	1587.2
47.5°	901.8	1234.9	1508.7	1508.7	1502.3	1523.5	1534.1	1519.3	1500.2	1493.8	1493.8
50°	899.7	1150.1	1398.3	1389.8	1419.5	1445.0	1434.4	1419.5	1404.7	1381.3	1381.3
52.5°	817.0	1046.1	1256.1	1288.0	1334.7	1349.5	1332.6	1317.7	1292.3	1281.7	1273.2
55°	757.6	937.9	1126.8	1190.4	1239.2	1258.3	1226.4	1211.6	1173.4	1167.1	1162.8
57.5°	744.8	780.8	1007.9	1088.5	1148.0	1145.8	1126.8	1099.1	1067.3	1060.9	1058.8
60°	683.3	564.4	880.6	976.0	1037.6	1031.2	1014.3	988.8	959.1	954.8	950.6
62.5°	619.6	409.5	736.3	844.5	931.5	929.4	914.5	876.3	855.1	844.5	836.0
65°	526.2	343.8	524.1	702.4	827.6	831.7	799.9	772.4	749.0	736.3	734.2
67.5°	401.0	280.1	354.4	585.6	727.8	723.6	683.3	670.5	640.8	634.5	621.7
70°	297.0	186.7	246.1	475.3	630.2	619.6	587.8	572.9	545.3	530.5	522.0
72.5°	246.1	150.6	180.4	369.2	530.5	517.8	490.2	473.2	449.8	437.1	428.6
75°	199.5	159.2	138.0	273.7	430.7	422.3	396.8	379.8	360.7	343.8	345.9
77.5°	146.4	148.6	110.3	201.6	341.6	328.9	314.1	292.9	284.3	267.4	267.4
80°	110.3	116.7	82.8	138.0	246.1	246.1	233.4	218.6	203.7	195.2	195.2
82.5°	74.3	74.3	61.5	87.0	167.7	161.2	152.8	148.6	140.0	135.8	135.8
85°	34.0	42.4	38.2	53.1	91.2	95.5	95.5	91.2	89.1	84.9	87.0
87.5°	10.6	19.1	23.4	29.7	46.7	48.8	50.9	50.9	50.9	53.1	53.1
90°	6.7	12.0	17.3	18.7	29.4	43.6	50.7	45.1	33.8	25.4	25.4
92.5°	26.7	72.2	117.6	129.0	181.2	251.0	285.9	250.5	180.0	127.0	121.9
95°	64.2	147.3	230.4	251.2	446.0	705.8	835.7	745.7	565.8	430.9	415.6
97.5°	110.9	184.2	257.6	275.9	600.8	1033.9	1250.5	1193.7	1080.0	994.7	965.6
100°	146.9	213.4	280.0	296.6	657.1	1137.8	1378.1	1382.3	1390.6	1396.8	1362.1
102.5°	177.7	239.7	301.8	317.3	682.9	1170.4	1414.2	1486.6	1631.5	1740.2	1710.5
105°	229.8	282.3	334.9	348.0	702.1	1174.1	1410.1	1572.5	1897.3	2141.0	2125.0
107.5°	283.2	332.2	381.2	393.5	705.7	1121.9	1330.0	1556.5	2009.6	2349.3	2353.2
110°	319.3	363.5	407.8	418.8	700.3	1075.5	1263.2	1516.5	2022.9	2402.8	2419.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	354.7	396.8	439.1	449.6	700.5	1035.1	1202.4	1461.6	1980.0	2368.8	2394.3
115°	408.2	447.0	486.0	495.7	707.0	988.7	1129.6	1379.3	1878.7	2253.2	2288.6
117.5°	460.9	496.3	531.6	540.4	720.1	959.7	1079.5	1304.8	1755.5	2093.5	2132.8
120°	491.7	524.9	558.2	566.4	730.8	949.9	1059.5	1265.4	1677.1	1986.0	2024.1
122.5°	521.7	555.3	588.8	597.2	746.1	944.7	1044.1	1229.5	1600.3	1878.5	1916.1
125°	567.8	598.4	629.0	636.6	766.9	940.6	1027.4	1184.9	1499.9	1736.2	1770.9
127.5°	605.2	636.1	667.0	674.7	787.6	938.1	1013.4	1148.6	1419.1	1621.9	1651.1
130°	625.2	658.5	691.7	700.1	802.7	939.6	1008.0	1128.4	1369.2	1549.8	1576.8
132.5°	645.9	679.2	712.4	720.8	815.0	940.6	1003.3	1111.1	1326.6	1488.3	1512.5
135°	676.7	707.0	737.3	744.9	828.4	939.7	995.3	1085.6	1266.1	1401.5	1422.4
137.5°	708.1	738.0	768.1	775.5	848.4	945.5	994.0	1070.2	1222.9	1337.3	1354.4
140°	734.1	761.7	789.3	796.3	860.6	946.4	989.3	1055.2	1187.1	1285.9	1301.9
142.5°	754.2	779.7	805.2	811.6	870.9	949.8	989.3	1047.2	1163.0	1249.9	1263.6
145°	784.9	807.2	829.5	835.0	884.3	949.9	982.6	1030.0	1124.7	1195.7	1206.1
147.5°	815.6	837.3	859.0	864.4	903.9	956.4	982.6	1019.9	1094.4	1150.3	1158.9
150°	835.7	855.3	874.9	879.8	914.1	959.7	982.6	1014.1	1077.1	1124.3	1131.3
152.5°	856.4	871.3	886.1	889.8	920.7	962.0	982.6	1009.5	1063.3	1103.6	1108.9
155°	887.1	898.1	909.1	911.8	935.4	966.9	982.6	1004.0	1046.8	1078.8	1082.3
157.5°	909.8	920.5	931.2	933.9	950.1	971.8	982.6	999.3	1032.5	1057.5	1059.9
160°	925.2	933.6	941.8	943.9	956.9	974.0	982.6	996.9	1025.4	1046.8	1048.2
162.5°	940.6	946.8	953.1	954.6	963.9	976.4	982.6	994.7	1018.7	1036.8	1038.1
165°	957.3	962.9	968.5	969.9	974.2	979.8	982.6	991.2	1008.5	1021.4	1022.9
167.5°	972.6	975.2	978.0	978.6	982.1	986.9	989.3	994.9	1006.2	1014.7	1015.2
170°	982.6	985.3	988.0	988.7	988.9	989.1	989.3	994.9	1006.2	1014.7	1014.7
172.5°	988.0	988.6	989.1	989.3	989.3	989.3	989.3	993.8	1002.7	1009.4	1008.9
175°	995.3	995.3	995.3	995.3	993.3	990.7	989.3	992.1	997.7	1002.0	1002.0
177.5°	995.3	995.3	995.3	995.3	993.8	991.7	990.7	992.9	997.3	1000.7	1000.1
180°	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9
2.5°	2300.1	2293.8	2300.1	2295.9	2298.0	2291.7	2272.6	2266.2	2272.6	2278.9	2278.9
5°	2327.7	2323.5	2327.7	2327.7	2325.6	2321.4	2300.1	2295.9	2300.1	2302.3	2298.0
7.5°	2336.2	2329.8	2336.2	2332.0	2332.0	2327.7	2306.5	2302.3	2304.4	2310.8	2304.4
10°	2336.2	2329.8	2336.2	2334.1	2332.0	2327.7	2306.5	2298.0	2298.0	2304.4	2298.0
12.5°	2325.6	2321.4	2325.6	2321.4	2321.4	2317.1	2295.9	2287.4	2289.5	2291.7	2283.2
15°	2308.6	2302.3	2308.6	2304.4	2306.5	2300.1	2276.8	2268.3	2268.3	2272.6	2257.7
17.5°	2283.2	2274.7	2283.2	2281.1	2278.9	2274.7	2253.5	2244.9	2242.9	2244.9	2234.3
20°	2253.5	2247.1	2253.5	2251.4	2251.4	2242.9	2221.7	2211.1	2211.1	2211.1	2200.4
22.5°	2206.8	2200.4	2206.8	2211.1	2211.1	2208.9	2189.8	2174.9	2170.7	2170.7	2158.0
25°	2153.7	2147.4	2153.7	2153.7	2151.6	2153.7	2147.4	2138.9	2132.5	2126.2	2113.4
27.5°	2102.8	2098.6	2102.8	2098.6	2102.8	2096.5	2094.3	2092.2	2083.7	2077.4	2060.3
30°	2051.9	2047.6	2051.9	2047.6	2043.4	2039.1	2028.5	2024.3	2032.8	2028.5	2001.0
32.5°	1988.2	1984.0	1988.2	1988.2	1984.0	1984.0	1967.0	1960.6	1962.8	1975.5	1950.0
35°	1922.5	1916.1	1922.5	1920.3	1922.5	1916.1	1905.4	1903.4	1894.8	1909.7	1890.6
37.5°	1846.1	1839.7	1846.1	1846.1	1846.1	1850.3	1841.8	1835.4	1822.7	1841.8	1827.0
40°	1767.6	1759.1	1767.6	1765.4	1767.6	1771.8	1767.6	1763.3	1750.5	1765.4	1752.7
42.5°	1678.4	1676.3	1678.4	1680.5	1680.5	1689.0	1695.4	1686.9	1682.7	1672.1	1680.5
45°	1583.0	1578.7	1583.0	1587.2	1589.3	1593.6	1612.7	1612.7	1606.3	1589.3	1602.1
47.5°	1481.1	1470.5	1481.1	1493.8	1493.8	1500.2	1519.3	1534.1	1523.5	1502.3	1508.7
50°	1372.9	1375.0	1372.9	1381.3	1381.3	1404.7	1419.5	1434.4	1445.0	1419.5	1389.8
52.5°	1266.8	1264.6	1266.8	1273.2	1281.7	1292.3	1317.7	1332.6	1349.5	1334.7	1288.0
55°	1160.7	1164.9	1160.7	1162.8	1167.1	1173.4	1211.6	1226.4	1258.3	1239.2	1190.4
57.5°	1054.6	1048.2	1054.6	1058.8	1060.9	1067.3	1099.1	1126.8	1145.8	1148.0	1088.5
60°	931.5	923.0	931.5	950.6	954.8	959.1	988.8	1014.3	1031.2	1037.6	976.0
62.5°	823.3	808.5	823.3	836.0	844.5	855.1	876.3	914.5	929.4	931.5	844.5
65°	708.7	702.4	708.7	734.2	736.3	749.0	772.4	799.9	831.7	827.6	702.4
67.5°	604.7	604.7	604.7	621.7	634.5	640.8	670.5	683.3	723.6	727.8	585.6
70°	509.3	507.2	509.3	522.0	530.5	545.3	572.9	587.8	619.6	630.2	475.3
72.5°	418.0	415.9	418.0	428.6	437.1	449.8	473.2	490.2	517.8	530.5	369.2
75°	337.4	333.2	337.4	345.9	343.8	360.7	379.8	396.8	422.3	430.7	273.7
77.5°	258.9	258.9	258.9	267.4	267.4	284.3	292.9	314.1	328.9	341.6	201.6
80°	193.1	191.0	193.1	195.2	195.2	203.7	218.6	233.4	246.1	246.1	138.0
82.5°	135.8	131.5	135.8	135.8	135.8	140.0	148.6	152.8	161.2	167.7	87.0
85°	84.9	84.9	84.9	87.0	84.9	89.1	91.2	95.5	95.5	91.2	53.1
87.5°	55.2	53.1	55.2	53.1	53.1	50.9	50.9	50.9	48.8	46.7	29.7
90°	25.4	25.4	25.4	25.4	25.4	33.8	45.1	50.7	43.6	29.4	18.7
92.5°	101.7	81.5	101.7	121.9	127.0	180.0	250.5	285.9	251.0	181.2	129.0
95°	354.4	293.3	354.4	415.6	430.9	565.8	745.7	835.7	705.8	446.0	251.2
97.5°	849.2	732.8	849.2	965.6	994.7	1080.0	1193.7	1250.5	1033.9	600.8	275.9
100°	1223.5	1084.9	1223.5	1362.1	1396.8	1390.6	1382.3	1378.1	1137.8	657.1	296.6
102.5°	1591.7	1472.9	1591.7	1710.5	1740.2	1631.5	1486.6	1414.2	1170.4	682.9	317.3
105°	2061.1	1997.3	2061.1	2125.0	2141.0	1897.3	1572.5	1410.1	1174.1	702.1	348.0
107.5°	2368.7	2384.1	2368.7	2353.2	2349.3	2009.6	1556.5	1330.0	1121.9	705.7	393.5
110°	2485.9	2552.4	2485.9	2419.4	2402.8	2022.9	1516.5	1263.2	1075.5	700.3	418.8



TEST NUMBER: P935252

CATALOG NUMBER: SQ4-FA-100U-100D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2496.4	2598.5	2496.4	2394.3	2368.8	1980.0	1461.6	1202.4	1035.1	700.5	449.6
115°	2430.2	2571.8	2430.2	2288.6	2253.2	1878.7	1379.3	1129.6	988.7	707.0	495.7
117.5°	2289.8	2446.9	2289.8	2132.8	2093.5	1755.5	1304.8	1079.5	959.7	720.1	540.4
120°	2176.8	2329.3	2176.8	2024.1	1986.0	1677.1	1265.4	1059.5	949.9	730.8	566.4
122.5°	2066.6	2217.1	2066.6	1916.1	1878.5	1600.3	1229.5	1044.1	944.7	746.1	597.2
125°	1909.5	2048.1	1909.5	1770.9	1736.2	1499.9	1184.9	1027.4	940.6	766.9	636.6
127.5°	1768.1	1885.1	1768.1	1651.1	1621.9	1419.1	1148.6	1013.4	938.1	787.6	674.7
130°	1684.9	1792.9	1684.9	1576.8	1549.8	1369.2	1128.4	1008.0	939.6	802.7	700.1
132.5°	1609.3	1706.1	1609.3	1512.5	1488.3	1326.6	1111.1	1003.3	940.6	815.0	720.8
135°	1505.8	1589.2	1505.8	1422.4	1401.5	1266.1	1085.6	995.3	939.7	828.4	744.9
137.5°	1422.7	1491.0	1422.7	1354.4	1337.3	1222.9	1070.2	994.0	945.5	848.4	775.5
140°	1365.7	1429.5	1365.7	1301.9	1285.9	1187.1	1055.2	989.3	946.4	860.6	796.3
142.5°	1318.5	1373.5	1318.5	1263.6	1249.9	1163.0	1047.2	989.3	949.8	870.9	811.6
145°	1247.7	1289.2	1247.7	1206.1	1195.7	1124.7	1030.0	982.6	949.9	884.3	835.0
147.5°	1193.3	1227.8	1193.3	1158.9	1150.3	1094.4	1019.9	982.6	956.4	903.9	864.4
150°	1159.1	1187.1	1159.1	1131.3	1124.3	1077.1	1014.1	982.6	959.7	914.1	879.8
152.5°	1129.9	1150.9	1129.9	1108.9	1103.6	1063.3	1009.5	982.6	962.0	920.7	889.8
155°	1096.3	1110.2	1096.3	1082.3	1078.8	1046.8	1004.0	982.6	966.9	935.4	911.8
157.5°	1069.7	1079.5	1069.7	1059.9	1057.5	1032.5	999.3	982.6	971.8	950.1	933.9
160°	1053.9	1059.5	1053.9	1048.2	1046.8	1025.4	996.9	982.6	974.0	956.9	943.9
162.5°	1043.4	1048.8	1043.4	1038.1	1036.8	1018.7	994.7	982.6	976.4	963.9	954.6
165°	1028.5	1034.1	1028.5	1022.9	1021.4	1008.5	991.2	982.6	979.8	974.2	969.9
167.5°	1017.6	1020.1	1017.6	1015.2	1014.7	1006.2	994.9	989.3	986.9	982.1	978.6
170°	1014.7	1014.7	1014.7	1014.7	1014.7	1006.2	994.9	989.3	989.1	988.9	988.7
172.5°	1006.8	1004.7	1006.8	1008.9	1009.4	1002.7	993.8	989.3	989.3	989.3	989.3
175°	1002.0	1002.0	1002.0	1002.0	1002.0	997.7	992.1	989.3	990.7	993.3	995.3
177.5°	997.7	995.3	997.7	1000.1	1000.7	997.3	992.9	990.7	991.7	993.8	995.3
180°	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3



TEST NUMBER: P935252
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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9
2.5°	2274.7	2262.0	2262.0	2240.8	2232.3	2225.9	2215.2	2183.4	2174.9	2166.5	2179.2
5°	2293.8	2270.4	2253.5	2215.2	2183.4	2170.7	2130.4	2054.0	2003.1	1964.9	1943.7
7.5°	2298.0	2268.3	2236.5	2177.1	2100.6	2066.8	1943.7	1803.6	1765.4	1731.5	1710.2
10°	2293.8	2259.8	2215.2	2126.2	1945.7	1886.4	1763.3	1672.1	1648.7	1642.4	1648.7
12.5°	2278.9	2247.1	2185.5	2037.1	1784.5	1744.2	1672.1	1619.0	1614.8	1625.4	1682.7
15°	2253.5	2223.7	2151.6	1918.2	1695.4	1665.7	1614.8	1595.6	1619.0	1693.3	1865.1
17.5°	2228.0	2194.0	2104.9	1801.5	1627.5	1606.3	1570.2	1608.4	1739.9	1839.7	1897.0
20°	2194.0	2153.7	2051.9	1716.7	1578.7	1559.6	1542.6	1714.5	1814.2	1850.3	1882.2
22.5°	2153.7	2111.3	1979.7	1657.2	1527.8	1512.9	1523.5	1773.9	1814.2	1839.7	1867.3
25°	2100.6	2064.6	1894.8	1610.5	1487.5	1470.5	1510.8	1767.6	1790.9	1797.3	1852.4
27.5°	2051.9	2005.2	1805.7	1568.1	1438.7	1432.3	1521.4	1739.9	1757.0	1763.3	1822.7
30°	1992.5	1922.5	1706.0	1523.5	1387.7	1385.6	1523.5	1706.0	1701.8	1718.7	1778.2
32.5°	1931.0	1799.4	1593.6	1468.4	1338.9	1336.8	1508.7	1655.1	1650.8	1674.2	1718.7
35°	1873.6	1703.9	1440.7	1404.7	1277.4	1279.5	1472.6	1595.6	1597.8	1619.0	1646.6
37.5°	1814.2	1621.1	1273.2	1334.7	1218.0	1218.0	1423.8	1540.5	1536.3	1542.6	1580.8
40°	1744.2	1491.7	1124.6	1243.4	1162.8	1156.4	1364.4	1481.1	1466.2	1464.1	1517.2
42.5°	1669.9	1349.5	1014.3	1122.5	1099.1	1090.6	1292.3	1408.9	1381.3	1387.7	1455.6
45°	1589.3	1311.3	929.4	948.5	1033.4	1027.0	1213.7	1326.2	1307.1	1324.1	1394.1
47.5°	1508.7	1234.9	901.8	787.3	963.4	961.2	1126.8	1245.5	1234.9	1252.0	1326.2
50°	1398.3	1150.1	899.7	674.8	884.8	893.3	1022.8	1167.1	1167.1	1181.9	1260.4
52.5°	1256.1	1046.1	817.0	611.1	793.6	819.1	931.5	1099.1	1103.4	1118.3	1188.3
55°	1126.8	937.9	757.6	562.3	685.4	740.5	842.4	1029.1	1037.6	1052.5	1116.1
57.5°	1007.9	780.8	744.8	505.0	585.6	638.7	763.9	961.2	965.4	978.2	1039.7
60°	880.6	564.4	683.3	443.5	498.7	539.0	691.7	880.6	895.4	903.9	957.0
62.5°	736.3	409.5	619.6	401.0	456.2	464.7	632.4	804.2	823.3	829.7	861.5
65°	524.1	343.8	526.2	365.0	411.6	413.8	568.7	725.7	742.7	753.3	776.6
67.5°	354.4	280.1	401.0	331.0	377.7	379.8	507.2	634.5	657.8	666.2	681.1
70°	246.1	186.7	297.0	294.9	339.5	343.8	441.3	551.7	572.9	579.3	587.8
72.5°	180.4	150.6	246.1	265.2	299.2	303.5	373.5	458.4	479.6	485.9	490.2
75°	138.0	159.2	199.5	231.3	254.6	256.7	305.5	373.5	388.3	392.6	394.7
77.5°	110.3	148.6	146.4	186.7	208.0	203.7	239.8	288.6	301.3	301.3	301.3
80°	82.8	116.7	110.3	133.7	152.8	148.6	171.8	205.8	210.1	214.3	212.2
82.5°	61.5	74.3	74.3	84.9	101.8	97.6	114.6	133.7	133.7	133.7	138.0
85°	38.2	42.4	34.0	44.6	57.3	55.2	63.7	72.1	74.3	74.3	70.0
87.5°	23.4	19.1	10.6	16.9	25.5	25.5	29.7	31.8	29.7	29.7	29.7
90°	17.3	12.0	6.7	12.0	17.3	18.7	29.4	43.6	50.7	45.1	33.8
92.5°	117.6	72.2	26.7	72.2	117.6	129.0	181.2	251.0	285.9	250.5	180.0
95°	230.4	147.3	64.2	147.3	230.4	251.2	446.0	705.8	835.7	745.7	565.8
97.5°	257.6	184.2	110.9	184.2	257.6	275.9	600.8	1033.9	1250.5	1193.7	1080.0
100°	280.0	213.4	146.9	213.4	280.0	296.6	657.1	1137.8	1378.1	1382.3	1390.6
102.5°	301.8	239.7	177.7	239.7	301.8	317.3	682.9	1170.4	1414.2	1486.6	1631.5
105°	334.9	282.3	229.8	282.3	334.9	348.0	702.1	1174.1	1410.1	1572.5	1897.3
107.5°	381.2	332.2	283.2	332.2	381.2	393.5	705.7	1121.9	1330.0	1556.5	2009.6
110°	407.8	363.5	319.3	363.5	407.8	418.8	700.3	1075.5	1263.2	1516.5	2022.9



TEST NUMBER: P935252

CATALOG NUMBER: SQ4-FA-100U-100D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	439.1	396.8	354.7	396.8	439.1	449.6	700.5	1035.1	1202.4	1461.6	1980.0
115°	486.0	447.0	408.2	447.0	486.0	495.7	707.0	988.7	1129.6	1379.3	1878.7
117.5°	531.6	496.3	460.9	496.3	531.6	540.4	720.1	959.7	1079.5	1304.8	1755.5
120°	558.2	524.9	491.7	524.9	558.2	566.4	730.8	949.9	1059.5	1265.4	1677.1
122.5°	588.8	555.3	521.7	555.3	588.8	597.2	746.1	944.7	1044.1	1229.5	1600.3
125°	629.0	598.4	567.8	598.4	629.0	636.6	766.9	940.6	1027.4	1184.9	1499.9
127.5°	667.0	636.1	605.2	636.1	667.0	674.7	787.6	938.1	1013.4	1148.6	1419.1
130°	691.7	658.5	625.2	658.5	691.7	700.1	802.7	939.6	1008.0	1128.4	1369.2
132.5°	712.4	679.2	645.9	679.2	712.4	720.8	815.0	940.6	1003.3	1111.1	1326.6
135°	737.3	707.0	676.7	707.0	737.3	744.9	828.4	939.7	995.3	1085.6	1266.1
137.5°	768.1	738.0	708.1	738.0	768.1	775.5	848.4	945.5	994.0	1070.2	1222.9
140°	789.3	761.7	734.1	761.7	789.3	796.3	860.6	946.4	989.3	1055.2	1187.1
142.5°	805.2	779.7	754.2	779.7	805.2	811.6	870.9	949.8	989.3	1047.2	1163.0
145°	829.5	807.2	784.9	807.2	829.5	835.0	884.3	949.9	982.6	1030.0	1124.7
147.5°	859.0	837.3	815.6	837.3	859.0	864.4	903.9	956.4	982.6	1019.9	1094.4
150°	874.9	855.3	835.7	855.3	874.9	879.8	914.1	959.7	982.6	1014.1	1077.1
152.5°	886.1	871.3	856.4	871.3	886.1	889.8	920.7	962.0	982.6	1009.5	1063.3
155°	909.1	898.1	887.1	898.1	909.1	911.8	935.4	966.9	982.6	1004.0	1046.8
157.5°	931.2	920.5	909.8	920.5	931.2	933.9	950.1	971.8	982.6	999.3	1032.5
160°	941.8	933.6	925.2	933.6	941.8	943.9	956.9	974.0	982.6	996.9	1025.4
162.5°	953.1	946.8	940.6	946.8	953.1	954.6	963.9	976.4	982.6	994.7	1018.7
165°	968.5	962.9	957.3	962.9	968.5	969.9	974.2	979.8	982.6	991.2	1008.5
167.5°	978.0	975.2	972.6	975.2	978.0	978.6	982.1	986.9	989.3	994.9	1006.2
170°	988.0	985.3	982.6	985.3	988.0	988.7	988.9	989.1	989.3	994.9	1006.2
172.5°	989.1	988.6	988.0	988.6	989.1	989.3	989.3	989.3	989.3	993.8	1002.7
175°	995.3	995.3	995.3	995.3	995.3	995.3	993.3	990.7	989.3	992.1	997.7
177.5°	995.3	995.3	995.3	995.3	995.3	995.3	993.8	991.7	990.7	992.9	997.3
180°	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3



TEST NUMBER: P935252
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9
2.5°	2164.3	2158.0	2166.5	2143.1	2166.5	2158.0	2164.3	2179.2	2166.5	2174.9	2183.4
5°	1899.1	1888.5	1854.5	1827.0	1854.5	1888.5	1899.1	1943.7	1964.9	2003.1	2054.0
7.5°	1697.5	1689.0	1680.5	1663.6	1680.5	1689.0	1697.5	1710.2	1731.5	1765.4	1803.6
10°	1653.0	1655.1	1667.8	1665.7	1667.8	1655.1	1653.0	1648.7	1642.4	1648.7	1672.1
12.5°	1767.6	1786.7	1856.7	1852.4	1856.7	1786.7	1767.6	1682.7	1625.4	1614.8	1619.0
15°	1899.1	1905.4	1920.3	1922.5	1920.3	1905.4	1899.1	1865.1	1693.3	1619.0	1595.6
17.5°	1911.9	1914.0	1924.6	1924.6	1924.6	1914.0	1911.9	1897.0	1839.7	1739.9	1608.4
20°	1901.3	1905.4	1926.7	1931.0	1926.7	1905.4	1901.3	1882.2	1850.3	1814.2	1714.5
22.5°	1897.0	1905.4	1922.5	1920.3	1922.5	1905.4	1897.0	1867.3	1839.7	1814.2	1773.9
25°	1875.7	1875.7	1877.9	1880.0	1877.9	1875.7	1875.7	1852.4	1797.3	1790.9	1767.6
27.5°	1831.2	1835.4	1848.2	1846.1	1848.2	1835.4	1831.2	1822.7	1763.3	1757.0	1739.9
30°	1790.9	1786.7	1776.0	1767.6	1776.0	1786.7	1790.9	1778.2	1718.7	1701.8	1706.0
32.5°	1723.0	1712.4	1701.8	1695.4	1701.8	1712.4	1723.0	1718.7	1674.2	1650.8	1655.1
35°	1642.4	1644.5	1642.4	1636.0	1642.4	1644.5	1642.4	1646.6	1619.0	1597.8	1595.6
37.5°	1585.0	1589.3	1587.2	1578.7	1587.2	1589.3	1585.0	1580.8	1542.6	1536.3	1540.5
40°	1525.6	1527.8	1525.6	1519.3	1525.6	1527.8	1525.6	1517.2	1464.1	1466.2	1481.1
42.5°	1468.4	1466.2	1459.9	1455.6	1459.9	1466.2	1468.4	1455.6	1387.7	1381.3	1408.9
45°	1402.6	1404.7	1392.0	1385.6	1392.0	1404.7	1402.6	1394.1	1324.1	1307.1	1326.2
47.5°	1336.8	1336.8	1326.2	1319.8	1326.2	1336.8	1336.8	1326.2	1252.0	1234.9	1245.5
50°	1266.8	1264.6	1249.8	1247.7	1249.8	1264.6	1266.8	1260.4	1181.9	1167.1	1167.1
52.5°	1186.1	1186.1	1188.3	1192.5	1188.3	1186.1	1186.1	1188.3	1118.3	1103.4	1099.1
55°	1116.1	1118.3	1133.1	1137.4	1133.1	1118.3	1116.1	1116.1	1052.5	1037.6	1029.1
57.5°	1044.0	1044.0	1054.6	1054.6	1054.6	1044.0	1044.0	1039.7	978.2	965.4	961.2
60°	961.2	965.4	974.0	971.9	974.0	965.4	961.2	957.0	903.9	895.4	880.6
62.5°	874.2	878.5	880.6	876.3	880.6	878.5	874.2	861.5	829.7	823.3	804.2
65°	783.0	787.3	789.3	785.1	789.3	787.3	783.0	776.6	753.3	742.7	725.7
67.5°	689.6	687.5	685.4	693.9	685.4	687.5	689.6	681.1	666.2	657.8	634.5
70°	594.1	594.1	592.0	596.2	592.0	594.1	594.1	587.8	579.3	572.9	551.7
72.5°	492.3	490.2	498.7	492.3	498.7	490.2	492.3	490.2	485.9	479.6	458.4
75°	392.6	396.8	392.6	398.9	392.6	396.8	392.6	394.7	392.6	388.3	373.5
77.5°	299.2	303.5	299.2	299.2	299.2	303.5	299.2	301.3	301.3	301.3	288.6
80°	212.2	210.1	210.1	208.0	210.1	210.1	212.2	212.2	214.3	210.1	205.8
82.5°	135.8	133.7	133.7	138.0	133.7	133.7	135.8	138.0	133.7	133.7	133.7
85°	74.3	76.4	72.1	72.1	72.1	76.4	74.3	70.0	74.3	74.3	72.1
87.5°	27.6	25.5	25.5	25.5	25.5	25.5	27.6	29.7	29.7	29.7	31.8
90°	25.4	25.4	25.4	25.4	25.4	25.4	25.4	33.8	45.1	50.7	43.6
92.5°	127.0	121.9	101.7	81.5	101.7	121.9	127.0	180.0	250.5	285.9	251.0
95°	430.9	415.6	354.4	293.3	354.4	415.6	430.9	565.8	745.7	835.7	705.8
97.5°	994.7	965.6	849.2	732.8	849.2	965.6	994.7	1080.0	1193.7	1250.5	1033.9
100°	1396.8	1362.1	1223.5	1084.9	1223.5	1362.1	1396.8	1390.6	1382.3	1378.1	1137.8
102.5°	1740.2	1710.5	1591.7	1472.9	1591.7	1710.5	1740.2	1631.5	1486.6	1414.2	1170.4
105°	2141.0	2125.0	2061.1	1997.3	2061.1	2125.0	2141.0	1897.3	1572.5	1410.1	1174.1
107.5°	2349.3	2353.2	2368.7	2384.1	2368.7	2353.2	2349.3	2009.6	1556.5	1330.0	1121.9
110°	2402.8	2419.4	2485.9	2552.4	2485.9	2419.4	2402.8	2022.9	1516.5	1263.2	1075.5



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2368.8	2394.3	2496.4	2598.5	2496.4	2394.3	2368.8	1980.0	1461.6	1202.4	1035.1
115°	2253.2	2288.6	2430.2	2571.8	2430.2	2288.6	2253.2	1878.7	1379.3	1129.6	988.7
117.5°	2093.5	2132.8	2289.8	2446.9	2289.8	2132.8	2093.5	1755.5	1304.8	1079.5	959.7
120°	1986.0	2024.1	2176.8	2329.3	2176.8	2024.1	1986.0	1677.1	1265.4	1059.5	949.9
122.5°	1878.5	1916.1	2066.6	2217.1	2066.6	1916.1	1878.5	1600.3	1229.5	1044.1	944.7
125°	1736.2	1770.9	1909.5	2048.1	1909.5	1770.9	1736.2	1499.9	1184.9	1027.4	940.6
127.5°	1621.9	1651.1	1768.1	1885.1	1768.1	1651.1	1621.9	1419.1	1148.6	1013.4	938.1
130°	1549.8	1576.8	1684.9	1792.9	1684.9	1576.8	1549.8	1369.2	1128.4	1008.0	939.6
132.5°	1488.3	1512.5	1609.3	1706.1	1609.3	1512.5	1488.3	1326.6	1111.1	1003.3	940.6
135°	1401.5	1422.4	1505.8	1589.2	1505.8	1422.4	1401.5	1266.1	1085.6	995.3	939.7
137.5°	1337.3	1354.4	1422.7	1491.0	1422.7	1354.4	1337.3	1222.9	1070.2	994.0	945.5
140°	1285.9	1301.9	1365.7	1429.5	1365.7	1301.9	1285.9	1187.1	1055.2	989.3	946.4
142.5°	1249.9	1263.6	1318.5	1373.5	1318.5	1263.6	1249.9	1163.0	1047.2	989.3	949.8
145°	1195.7	1206.1	1247.7	1289.2	1247.7	1206.1	1195.7	1124.7	1030.0	982.6	949.9
147.5°	1150.3	1158.9	1193.3	1227.8	1193.3	1158.9	1150.3	1094.4	1019.9	982.6	956.4
150°	1124.3	1131.3	1159.1	1187.1	1159.1	1131.3	1124.3	1077.1	1014.1	982.6	959.7
152.5°	1103.6	1108.9	1129.9	1150.9	1129.9	1108.9	1103.6	1063.3	1009.5	982.6	962.0
155°	1078.8	1082.3	1096.3	1110.2	1096.3	1082.3	1078.8	1046.8	1004.0	982.6	966.9
157.5°	1057.5	1059.9	1069.7	1079.5	1069.7	1059.9	1057.5	1032.5	999.3	982.6	971.8
160°	1046.8	1048.2	1053.9	1059.5	1053.9	1048.2	1046.8	1025.4	996.9	982.6	974.0
162.5°	1036.8	1038.1	1043.4	1048.8	1043.4	1038.1	1036.8	1018.7	994.7	982.6	976.4
165°	1021.4	1022.9	1028.5	1034.1	1028.5	1022.9	1021.4	1008.5	991.2	982.6	979.8
167.5°	1014.7	1015.2	1017.6	1020.1	1017.6	1015.2	1014.7	1006.2	994.9	989.3	986.9
170°	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1006.2	994.9	989.3	989.1
172.5°	1009.4	1008.9	1006.8	1004.7	1006.8	1008.9	1009.4	1002.7	993.8	989.3	989.3
175°	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	997.7	992.1	989.3	990.7
177.5°	1000.7	1000.1	997.7	995.3	997.7	1000.1	1000.7	997.3	992.9	990.7	991.7
180°	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2242.9	2242.9	2242.9	2242.9	2242.9
2.5°	2215.2	2225.9	2232.3	2240.8	2262.0
5°	2130.4	2170.7	2183.4	2215.2	2253.5
7.5°	1943.7	2066.8	2100.6	2177.1	2236.5
10°	1763.3	1886.4	1945.7	2126.2	2215.2
12.5°	1672.1	1744.2	1784.5	2037.1	2185.5
15°	1614.8	1665.7	1695.4	1918.2	2151.6
17.5°	1570.2	1606.3	1627.5	1801.5	2104.9
20°	1542.6	1559.6	1578.7	1716.7	2051.9
22.5°	1523.5	1512.9	1527.8	1657.2	1979.7
25°	1510.8	1470.5	1487.5	1610.5	1894.8
27.5°	1521.4	1432.3	1438.7	1568.1	1805.7
30°	1523.5	1385.6	1387.7	1523.5	1706.0
32.5°	1508.7	1336.8	1338.9	1468.4	1593.6
35°	1472.6	1279.5	1277.4	1404.7	1440.7
37.5°	1423.8	1218.0	1218.0	1334.7	1273.2
40°	1364.4	1156.4	1162.8	1243.4	1124.6
42.5°	1292.3	1090.6	1099.1	1122.5	1014.3
45°	1213.7	1027.0	1033.4	948.5	929.4
47.5°	1126.8	961.2	963.4	787.3	901.8
50°	1022.8	893.3	884.8	674.8	899.7
52.5°	931.5	819.1	793.6	611.1	817.0
55°	842.4	740.5	685.4	562.3	757.6
57.5°	763.9	638.7	585.6	505.0	744.8
60°	691.7	539.0	498.7	443.5	683.3
62.5°	632.4	464.7	456.2	401.0	619.6
65°	568.7	413.8	411.6	365.0	526.2
67.5°	507.2	379.8	377.7	331.0	401.0
70°	441.3	343.8	339.5	294.9	297.0
72.5°	373.5	303.5	299.2	265.2	246.1
75°	305.5	256.7	254.6	231.3	199.5
77.5°	239.8	203.7	208.0	186.7	146.4
80°	171.8	148.6	152.8	133.7	110.3
82.5°	114.6	97.6	101.8	84.9	74.3
85°	63.7	55.2	57.3	44.6	34.0
87.5°	29.7	25.5	25.5	16.9	10.6
90°	29.4	18.7	17.3	12.0	6.7
92.5°	181.2	129.0	117.6	72.2	26.7
95°	446.0	251.2	230.4	147.3	64.2
97.5°	600.8	275.9	257.6	184.2	110.9
100°	657.1	296.6	280.0	213.4	146.9
102.5°	682.9	317.3	301.8	239.7	177.7
105°	702.1	348.0	334.9	282.3	229.8
107.5°	705.7	393.5	381.2	332.2	283.2
110°	700.3	418.8	407.8	363.5	319.3



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CATALOG NUMBER: SQ4-FA-100U-100D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	700.5	449.6	439.1	396.8	354.7
115°	707.0	495.7	486.0	447.0	408.2
117.5°	720.1	540.4	531.6	496.3	460.9
120°	730.8	566.4	558.2	524.9	491.7
122.5°	746.1	597.2	588.8	555.3	521.7
125°	766.9	636.6	629.0	598.4	567.8
127.5°	787.6	674.7	667.0	636.1	605.2
130°	802.7	700.1	691.7	658.5	625.2
132.5°	815.0	720.8	712.4	679.2	645.9
135°	828.4	744.9	737.3	707.0	676.7
137.5°	848.4	775.5	768.1	738.0	708.1
140°	860.6	796.3	789.3	761.7	734.1
142.5°	870.9	811.6	805.2	779.7	754.2
145°	884.3	835.0	829.5	807.2	784.9
147.5°	903.9	864.4	859.0	837.3	815.6
150°	914.1	879.8	874.9	855.3	835.7
152.5°	920.7	889.8	886.1	871.3	856.4
155°	935.4	911.8	909.1	898.1	887.1
157.5°	950.1	933.9	931.2	920.5	909.8
160°	956.9	943.9	941.8	933.6	925.2
162.5°	963.9	954.6	953.1	946.8	940.6
165°	974.2	969.9	968.5	962.9	957.3
167.5°	982.1	978.6	978.0	975.2	972.6
170°	988.9	988.7	988.0	985.3	982.6
172.5°	989.3	989.3	989.1	988.6	988.0
175°	993.3	995.3	995.3	995.3	995.3
177.5°	993.8	995.3	995.3	995.3	995.3
180°	995.3	995.3	995.3	995.3	995.3



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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	12.70	13.54	13.68	14.53	15.84	15.54	16.38	16.52	17.37	18.68
	3H	13.18	13.93	14.17	14.93	16.26	16.89	17.64	17.88	18.64	19.97
	4H	13.37	14.08	14.37	15.08	16.42	17.33	18.04	18.33	19.05	20.38
	6H	13.48	14.14	14.50	15.15	16.50	17.62	18.27	18.63	19.28	20.63
	8H	13.49	14.11	14.51	15.13	16.48	17.69	18.31	18.71	19.34	20.69
	12H	13.46	14.05	14.48	15.07	16.44	17.73	18.32	18.75	19.34	20.71
4H	2H	13.73	14.44	14.74	15.45	16.79	15.95	16.66	16.95	17.66	19.00
	3H	14.76	15.35	15.78	16.38	17.74	17.45	18.04	18.47	19.08	20.43
	4H	15.03	15.58	16.06	16.60	17.98	17.98	18.52	19.01	19.55	20.92
	6H	15.16	15.62	16.19	16.67	18.04	18.35	18.81	19.38	19.86	21.23
	8H	15.16	15.60	16.20	16.64	18.03	18.45	18.89	19.49	19.93	21.32
	12H	15.13	15.52	16.18	16.58	17.97	18.51	18.90	19.57	19.96	21.35
8H	4H	15.49	15.92	16.52	16.96	18.35	18.10	18.54	19.14	19.58	20.97
	6H	15.75	16.11	16.81	17.19	18.57	18.54	18.90	19.60	19.98	21.37
	8H	15.79	16.11	16.86	17.17	18.58	18.69	19.01	19.76	20.08	21.48
	12H	15.77	16.05	16.85	17.11	18.56	18.79	19.07	19.87	20.13	21.58
12H	4H	15.49	15.89	16.55	16.94	18.33	18.07	18.46	19.12	19.52	20.91
	6H	15.81	16.13	16.88	17.19	18.60	18.54	18.85	19.61	19.92	21.32
	8H	15.87	16.15	16.95	17.22	18.66	18.70	18.98	19.77	20.04	21.48