

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: P935112

Luminaire Tested: SQ4-FA-100U-075D-830-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935112
REPORT IS A COMBINATION OF REPORTS P933744 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-075D-830-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

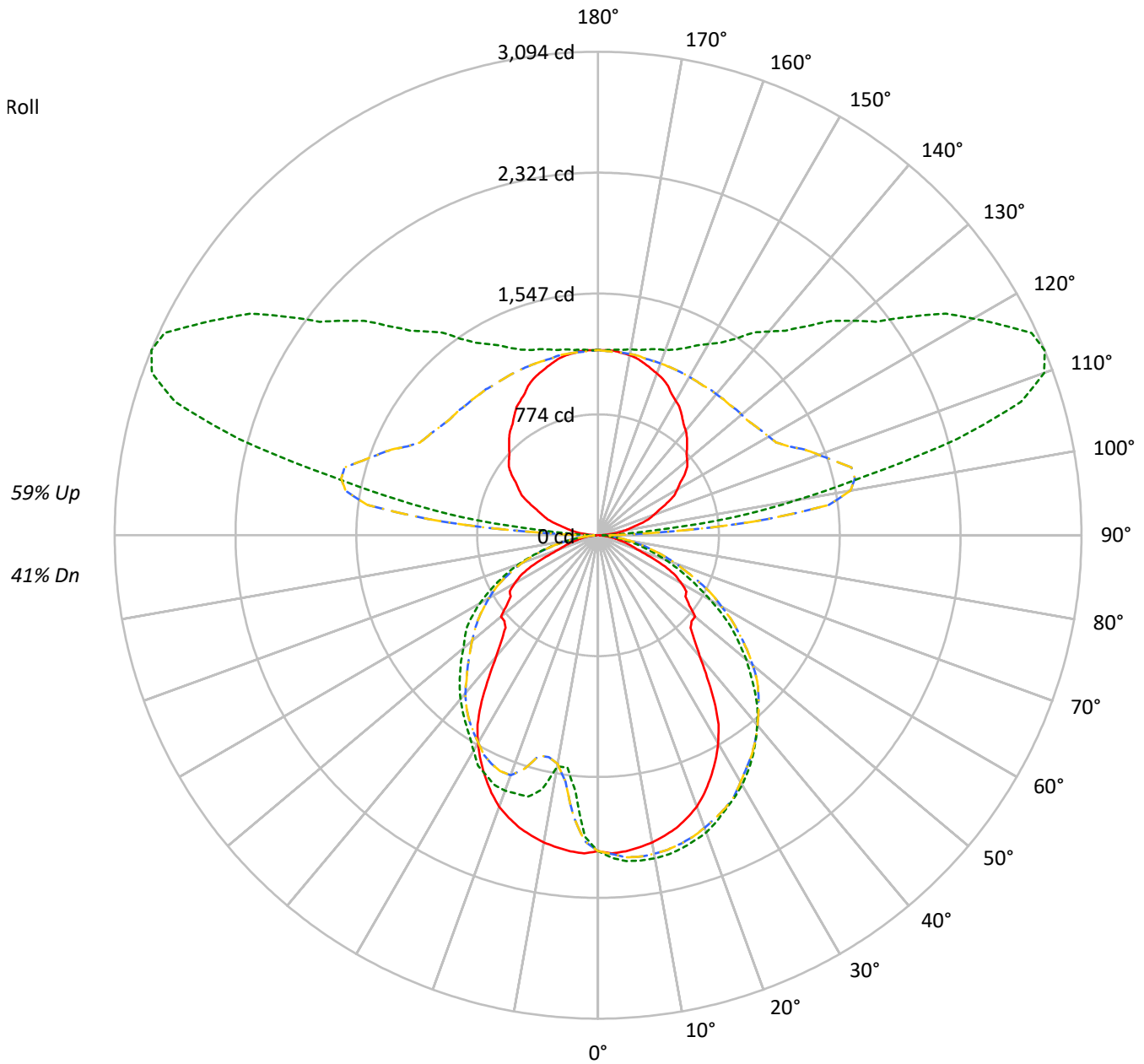
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12926.1 lumens
Efficiency: N/A
Efficacy: 131.4 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): 98.4
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				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	105	105	105	105	96	96	96	96	78	78	78	62	62	62	47	47	47	47	47	47	41
1	96	91	88	84	87	83	80	77	68	66	64	55	53	52	42	41	40	40	40	40	34
2	87	80	74	69	79	73	68	63	60	56	53	48	45	43	37	35	34	34	34	34	29
3	79	70	63	57	72	64	58	53	53	48	45	42	39	37	33	31	29	29	29	29	24
4	73	62	54	48	66	57	50	45	47	42	38	38	34	31	29	27	25	25	25	25	21
5	67	55	47	41	60	51	44	38	42	37	33	34	30	27	26	24	22	22	22	22	18
6	61	49	41	36	56	45	38	33	38	32	28	31	27	24	24	21	19	19	19	19	16
7	57	45	37	31	51	41	34	29	34	29	25	28	24	21	22	19	17	17	17	17	14
8	52	40	33	27	48	37	30	26	31	26	22	25	21	18	20	17	15	15	15	15	13
9	49	37	29	24	44	34	27	23	28	23	20	23	19	17	18	16	13	13	13	13	11
10	46	34	26	22	41	31	25	20	26	21	18	21	18	15	17	14	12	12	12	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9376	9376	9376	9376
5°	9446	9465	9446	7442
10°	9383	9323	9383	6665
15°	9281	9121	9281	7617
20°	9087	8882	9087	7632
25°	8689	8533	8689	7470
30°	8176	8243	8176	7116
35°	7289	7876	7289	6725
40°	6074	7445	6074	6430
45°	5427	6940	5427	6091
50°	5766	6338	5766	5752
55°	5425	5689	5425	5554
60°	5592	4832	5592	5087
65°	5070	3994	5070	4465
70°	3511	3183	3511	3743
75°	3078	2353	3078	2818
80°	2480	1556	2480	1694
85°	1425	824	1425	700

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8317 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.4	1.4
10°-20°	517.9	4.0
20°-30°	800.6	6.2
30°-40°	955.8	7.4
40°-50°	961.4	7.4
50°-60°	836.6	6.5
60°-70°	593.2	4.6
70°-80°	313.8	2.4
80°-90°	82.7	0.6
90°-100°	577.6	4.5
100°-110°	1518.6	11.7
110°-120°	1574.6	12.2
120°-130°	1263.0	9.8
130°-140°	991.0	7.7
140°-150°	760.7	5.9
150°-160°	547.8	4.2
160°-170°	335.2	2.6
170°-180°	113.2	0.9
0°-30°	1501.0	11.6
0°-40°	2456.8	19.0
0°-60°	4254.7	32.9
0°-90°	5244.4	40.6
90°-120°	3670.8	28.4
90°-150°	6685.5	51.7
90°-180°	7682.0	59.4
0°-180°	12926.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2021	2021	2021	2021	2021	
5°	2030	2094	2030	1646	2030	193
15°	1939	2074	1939	1732	1939	545
25°	1707	1935	1707	1694	1707	784
35°	1298	1726	1298	1474	1298	803
45°	838	1422	838	1248	838	671
55°	683	1050	683	1025	683	627
65°	474	633	474	707	474	453
75°	180	300	180	360	180	189
85°	31	76	31	65	31	41
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°	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9
2.5°	2038.1	2038.1	2049.6	2053.4	2053.4	2047.7	2041.9	2047.7	2064.9	2070.6	2068.7
5°	2030.4	2045.7	2066.8	2070.6	2074.4	2072.5	2068.7	2072.5	2091.6	2095.5	2097.4
7.5°	2015.2	2043.8	2070.6	2076.3	2082.1	2076.3	2074.4	2078.2	2097.4	2101.2	2101.2
10°	1996.0	2036.2	2066.8	2070.6	2076.3	2070.6	2070.6	2078.2	2097.4	2101.2	2103.1
12.5°	1969.3	2024.7	2053.4	2057.2	2064.9	2063.0	2061.0	2068.7	2087.8	2091.6	2091.6
15°	1938.7	2003.7	2030.4	2034.3	2047.7	2043.8	2043.8	2051.5	2072.5	2078.2	2076.3
17.5°	1896.6	1976.9	2007.5	2013.2	2022.8	2020.9	2022.8	2030.4	2049.6	2053.4	2055.3
20°	1848.8	1940.6	1976.9	1982.6	1992.2	1992.2	1992.2	2001.8	2020.9	2028.5	2028.5
22.5°	1783.8	1902.3	1940.6	1944.4	1955.9	1955.9	1959.7	1973.1	1990.3	1992.2	1992.2
25°	1707.3	1860.3	1892.8	1904.3	1915.7	1921.5	1927.2	1934.8	1940.6	1938.7	1940.6
27.5°	1627.0	1806.7	1848.8	1856.5	1871.8	1877.5	1885.1	1887.0	1889.0	1894.7	1890.9
30°	1537.2	1732.2	1795.3	1802.9	1827.8	1831.6	1824.0	1827.8	1837.3	1841.2	1845.0
32.5°	1435.8	1621.3	1739.8	1757.0	1780.0	1768.5	1766.6	1772.3	1787.6	1787.6	1791.4
35°	1298.2	1535.2	1688.2	1703.5	1720.7	1707.3	1715.0	1716.9	1726.4	1732.2	1730.3
37.5°	1147.1	1460.7	1634.7	1646.1	1659.5	1642.3	1653.8	1659.5	1667.2	1663.3	1663.3
40°	1013.4	1344.0	1571.6	1579.2	1590.7	1577.3	1588.8	1592.6	1596.4	1592.6	1590.7
42.5°	913.9	1215.9	1504.6	1514.2	1506.6	1516.1	1519.9	1527.6	1521.9	1514.2	1514.2
45°	837.5	1181.5	1432.0	1443.5	1432.0	1447.3	1453.0	1453.0	1435.8	1432.0	1430.1
47.5°	812.6	1112.8	1359.3	1359.3	1353.6	1372.7	1382.3	1368.9	1351.7	1346.0	1346.0
50°	810.7	1036.3	1259.9	1252.3	1279.0	1302.0	1292.4	1279.0	1265.6	1244.6	1244.6
52.5°	736.1	942.6	1131.9	1160.5	1202.6	1215.9	1200.6	1187.3	1164.3	1154.8	1147.1
55°	682.6	845.1	1015.3	1072.6	1116.6	1133.8	1105.1	1091.8	1057.3	1051.6	1047.8
57.5°	671.1	703.6	908.2	980.9	1034.4	1032.5	1015.3	990.4	961.7	956.0	954.1
60°	615.7	508.6	793.5	879.5	935.0	929.2	913.9	891.0	864.2	860.4	856.6
62.5°	558.3	369.0	663.5	761.0	839.4	837.5	824.1	789.7	770.5	761.0	753.3
65°	474.2	309.7	472.3	632.9	745.7	749.5	720.8	696.0	674.9	663.5	661.6
67.5°	361.4	252.4	319.3	527.7	655.8	652.0	615.7	604.2	577.4	571.7	560.2
70°	267.7	168.3	221.8	428.3	567.9	558.3	529.6	516.2	491.4	478.0	470.4
72.5°	221.8	135.8	162.5	332.7	478.0	466.5	441.7	426.4	405.3	393.9	386.2
75°	179.7	143.4	124.3	246.6	388.1	380.5	357.5	342.2	325.0	309.7	311.7
77.5°	131.9	133.8	99.4	181.6	307.8	296.4	283.0	263.9	256.2	240.9	240.9
80°	99.4	105.2	74.6	124.3	221.8	221.8	210.3	196.9	183.6	175.9	175.9
82.5°	66.9	66.9	55.4	78.4	151.0	145.3	137.7	133.8	126.2	122.4	122.4
85°	30.6	38.2	34.4	47.8	82.2	86.0	86.0	82.2	80.3	76.5	78.4
87.5°	9.6	17.2	21.0	26.8	42.1	44.0	45.9	45.9	45.9	47.8	47.8
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°	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9
2.5°	2072.5	2066.8	2072.5	2068.7	2070.6	2064.9	2047.7	2041.9	2047.7	2053.4	2053.4
5°	2097.4	2093.5	2097.4	2097.4	2095.5	2091.6	2072.5	2068.7	2072.5	2074.4	2070.6
7.5°	2105.0	2099.3	2105.0	2101.2	2101.2	2097.4	2078.2	2074.4	2076.3	2082.1	2076.3
10°	2105.0	2099.3	2105.0	2103.1	2101.2	2097.4	2078.2	2070.6	2070.6	2076.3	2070.6
12.5°	2095.5	2091.6	2095.5	2091.6	2091.6	2087.8	2068.7	2061.0	2063.0	2064.9	2057.2
15°	2080.2	2074.4	2080.2	2076.3	2078.2	2072.5	2051.5	2043.8	2043.8	2047.7	2034.3
17.5°	2057.2	2049.6	2057.2	2055.3	2053.4	2049.6	2030.4	2022.8	2020.9	2022.8	2013.2
20°	2030.4	2024.7	2030.4	2028.5	2028.5	2020.9	2001.8	1992.2	1992.2	1992.2	1982.6
22.5°	1988.4	1982.6	1988.4	1992.2	1992.2	1990.3	1973.1	1959.7	1955.9	1955.9	1944.4
25°	1940.6	1934.8	1940.6	1940.6	1938.7	1940.6	1934.8	1927.2	1921.5	1915.7	1904.3
27.5°	1894.7	1890.9	1894.7	1890.9	1894.7	1889.0	1887.0	1885.1	1877.5	1871.8	1856.5
30°	1848.8	1845.0	1848.8	1845.0	1841.2	1837.3	1827.8	1824.0	1831.6	1827.8	1802.9
32.5°	1791.4	1787.6	1791.4	1791.4	1787.6	1787.6	1772.3	1766.6	1768.5	1780.0	1757.0
35°	1732.2	1726.4	1732.2	1730.3	1732.2	1726.4	1716.9	1715.0	1707.3	1720.7	1703.5
37.5°	1663.3	1657.6	1663.3	1663.3	1663.3	1667.2	1659.5	1653.8	1642.3	1659.5	1646.1
40°	1592.6	1585.0	1592.6	1590.7	1592.6	1596.4	1592.6	1588.8	1577.3	1590.7	1579.2
42.5°	1512.3	1510.4	1512.3	1514.2	1514.2	1521.9	1527.6	1519.9	1516.1	1506.6	1514.2
45°	1426.3	1422.4	1426.3	1430.1	1432.0	1435.8	1453.0	1453.0	1447.3	1432.0	1443.5
47.5°	1334.5	1324.9	1334.5	1346.0	1346.0	1351.7	1368.9	1382.3	1372.7	1353.6	1359.3
50°	1237.0	1238.9	1237.0	1244.6	1244.6	1265.6	1279.0	1292.4	1302.0	1279.0	1252.3
52.5°	1141.4	1139.6	1141.4	1147.1	1154.8	1164.3	1187.3	1200.6	1215.9	1202.6	1160.5
55°	1045.9	1049.7	1045.9	1047.8	1051.6	1057.3	1091.8	1105.1	1133.8	1116.6	1072.6
57.5°	950.3	944.5	950.3	954.1	956.0	961.7	990.4	1015.3	1032.5	1034.4	980.9
60°	839.4	831.7	839.4	856.6	860.4	864.2	891.0	913.9	929.2	935.0	879.5
62.5°	741.9	728.5	741.9	753.3	761.0	770.5	789.7	824.1	837.5	839.4	761.0
65°	638.6	632.9	638.6	661.6	663.5	674.9	696.0	720.8	749.5	745.7	632.9
67.5°	544.9	544.9	544.9	560.2	571.7	577.4	604.2	615.7	652.0	655.8	527.7
70°	458.9	457.0	458.9	470.4	478.0	491.4	516.2	529.6	558.3	567.9	428.3
72.5°	376.7	374.8	376.7	386.2	393.9	405.3	426.4	441.7	466.5	478.0	332.7
75°	304.0	300.2	304.0	311.7	309.7	325.0	342.2	357.5	380.5	388.1	246.6
77.5°	233.3	233.3	233.3	240.9	240.9	256.2	263.9	283.0	296.4	307.8	181.6
80°	174.0	172.1	174.0	175.9	175.9	183.6	196.9	210.3	221.8	221.8	124.3
82.5°	122.4	118.5	122.4	122.4	122.4	126.2	133.8	137.7	145.3	151.0	78.4
85°	76.5	76.5	76.5	78.4	76.5	80.3	82.2	86.0	86.0	82.2	47.8
87.5°	49.7	47.8	49.7	47.8	47.8	45.9	45.9	45.9	44.0	42.1	26.8
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



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CATALOG NUMBER: SQ4-FA-100U-075D-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



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9
2.5°	2049.6	2038.1	2038.1	2019.0	2011.3	2005.6	1996.0	1967.4	1959.7	1952.1	1963.5
5°	2066.8	2045.7	2030.4	1996.0	1967.4	1955.9	1919.6	1850.7	1804.8	1770.4	1751.3
7.5°	2070.6	2043.8	2015.2	1961.6	1892.8	1862.2	1751.3	1625.1	1590.7	1560.1	1541.0
10°	2066.8	2036.2	1996.0	1915.7	1753.2	1699.7	1588.8	1506.6	1485.5	1479.8	1485.5
12.5°	2053.4	2024.7	1969.3	1835.4	1607.9	1571.6	1506.6	1458.8	1454.9	1464.5	1516.1
15°	2030.4	2003.7	1938.7	1728.4	1527.6	1500.8	1454.9	1437.7	1458.8	1525.7	1680.6
17.5°	2007.5	1976.9	1896.6	1623.2	1466.4	1447.3	1414.8	1449.2	1567.7	1657.6	1709.2
20°	1976.9	1940.6	1848.8	1546.7	1422.4	1405.2	1389.9	1544.8	1634.7	1667.2	1695.8
22.5°	1940.6	1902.3	1783.8	1493.2	1376.5	1363.2	1372.7	1598.3	1634.7	1657.6	1682.5
25°	1892.8	1860.3	1707.3	1451.1	1340.2	1324.9	1361.2	1592.6	1613.6	1619.4	1669.1
27.5°	1848.8	1806.7	1627.0	1412.9	1296.2	1290.5	1370.8	1567.7	1583.0	1588.8	1642.3
30°	1795.3	1732.2	1537.2	1372.7	1250.4	1248.4	1372.7	1537.2	1533.3	1548.6	1602.2
32.5°	1739.8	1621.3	1435.8	1323.0	1206.4	1204.5	1359.3	1491.3	1487.4	1508.5	1548.6
35°	1688.2	1535.2	1298.2	1265.6	1150.9	1152.8	1326.8	1437.7	1439.6	1458.8	1483.6
37.5°	1634.7	1460.7	1147.1	1202.6	1097.5	1097.5	1282.9	1388.0	1384.2	1389.9	1424.3
40°	1571.6	1344.0	1013.4	1120.4	1047.8	1042.0	1229.3	1334.5	1321.1	1319.2	1367.0
42.5°	1504.6	1215.9	913.9	1011.4	990.4	982.8	1164.3	1269.5	1244.6	1250.4	1311.5
45°	1432.0	1181.5	837.5	854.7	931.1	925.4	1093.7	1194.9	1177.7	1193.0	1256.1
47.5°	1359.3	1112.8	812.6	709.4	868.0	866.1	1015.3	1122.3	1112.8	1128.1	1194.9
50°	1259.9	1036.3	810.7	608.0	797.3	805.0	921.6	1051.6	1051.6	1065.0	1135.7
52.5°	1131.9	942.6	736.1	550.7	715.1	738.0	839.4	990.4	994.2	1007.6	1070.7
55°	1015.3	845.1	682.6	506.7	617.6	667.3	759.1	927.3	935.0	948.4	1005.7
57.5°	908.2	703.6	671.1	455.1	527.7	575.5	688.3	866.1	870.0	881.4	936.9
60°	793.5	508.6	615.7	399.6	449.3	485.6	623.3	793.5	806.9	814.5	862.3
62.5°	663.5	369.0	558.3	361.4	411.1	418.7	569.8	724.6	741.9	747.6	776.3
65°	472.3	309.7	474.2	328.9	370.9	372.8	512.4	653.9	669.2	678.8	699.8
67.5°	319.3	252.4	361.4	298.3	340.3	342.2	457.0	571.7	592.7	600.4	613.8
70°	221.8	168.3	267.7	265.8	305.9	309.7	397.7	497.1	516.2	522.0	529.6
72.5°	162.5	135.8	221.8	239.0	269.6	273.4	336.5	413.0	432.1	437.8	441.7
75°	124.3	143.4	179.7	208.4	229.4	231.4	275.3	336.5	349.9	353.7	355.6
77.5°	99.4	133.8	131.9	168.3	187.4	183.6	216.1	260.0	271.5	271.5	271.5
80°	74.6	105.2	99.4	120.5	137.7	133.8	154.9	185.5	189.3	193.1	191.2
82.5°	55.4	66.9	66.9	76.5	91.8	88.0	103.2	120.5	120.5	120.5	124.3
85°	34.4	38.2	30.6	40.2	51.6	49.7	57.4	65.0	66.9	66.9	63.1
87.5°	21.0	17.2	9.6	15.3	22.9	22.9	26.8	28.7	26.8	26.8	26.8
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: P935112

CATALOG NUMBER: SQ4-FA-100U-075D-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: P935112
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9
2.5°	1950.1	1944.4	1952.1	1931.0	1952.1	1944.4	1950.1	1963.5	1952.1	1959.7	1967.4
5°	1711.1	1701.6	1671.0	1646.1	1671.0	1701.6	1711.1	1751.3	1770.4	1804.8	1850.7
7.5°	1529.5	1521.9	1514.2	1498.9	1514.2	1521.9	1529.5	1541.0	1560.1	1590.7	1625.1
10°	1489.4	1491.3	1502.7	1500.8	1502.7	1491.3	1489.4	1485.5	1479.8	1485.5	1506.6
12.5°	1592.6	1609.8	1672.9	1669.1	1672.9	1609.8	1592.6	1516.1	1464.5	1454.9	1458.8
15°	1711.1	1716.9	1730.3	1732.2	1730.3	1716.9	1711.1	1680.6	1525.7	1458.8	1437.7
17.5°	1722.6	1724.5	1734.1	1734.1	1734.1	1724.5	1722.6	1709.2	1657.6	1567.7	1449.2
20°	1713.1	1716.9	1736.0	1739.8	1736.0	1716.9	1713.1	1695.8	1667.2	1634.7	1544.8
22.5°	1709.2	1716.9	1732.2	1730.3	1732.2	1716.9	1709.2	1682.5	1657.6	1634.7	1598.3
25°	1690.1	1690.1	1692.0	1693.9	1692.0	1690.1	1690.1	1669.1	1619.4	1613.6	1592.6
27.5°	1650.0	1653.8	1665.3	1663.3	1665.3	1653.8	1650.0	1642.3	1588.8	1583.0	1567.7
30°	1613.6	1609.8	1600.2	1592.6	1600.2	1609.8	1613.6	1602.2	1548.6	1533.3	1537.2
32.5°	1552.4	1542.9	1533.3	1527.6	1533.3	1542.9	1552.4	1548.6	1508.5	1487.4	1491.3
35°	1479.8	1481.7	1479.8	1474.1	1479.8	1481.7	1479.8	1483.6	1458.8	1439.6	1437.7
37.5°	1428.2	1432.0	1430.1	1422.4	1430.1	1432.0	1428.2	1424.3	1389.9	1384.2	1388.0
40°	1374.6	1376.5	1374.6	1368.9	1374.6	1376.5	1374.6	1367.0	1319.2	1321.1	1334.5
42.5°	1323.0	1321.1	1315.4	1311.5	1315.4	1321.1	1323.0	1311.5	1250.4	1244.6	1269.5
45°	1263.7	1265.6	1254.2	1248.4	1254.2	1265.6	1263.7	1256.1	1193.0	1177.7	1194.9
47.5°	1204.5	1204.5	1194.9	1189.2	1194.9	1204.5	1204.5	1194.9	1128.1	1112.8	1122.3
50°	1141.4	1139.6	1126.2	1124.3	1126.2	1139.6	1141.4	1135.7	1065.0	1051.6	1051.6
52.5°	1068.8	1068.8	1070.7	1074.5	1070.7	1068.8	1068.8	1070.7	1007.6	994.2	990.4
55°	1005.7	1007.6	1021.0	1024.8	1021.0	1007.6	1005.7	1005.7	948.4	935.0	927.3
57.5°	940.7	940.7	950.3	950.3	950.3	940.7	940.7	936.9	881.4	870.0	866.1
60°	866.1	870.0	877.6	875.7	877.6	870.0	866.1	862.3	814.5	806.9	793.5
62.5°	787.7	791.6	793.5	789.7	793.5	791.6	787.7	776.3	747.6	741.9	724.6
65°	705.5	709.4	711.3	707.4	711.3	709.4	705.5	699.8	678.8	669.2	653.9
67.5°	621.4	619.5	617.6	625.2	617.6	619.5	621.4	613.8	600.4	592.7	571.7
70°	535.4	535.4	533.4	537.3	533.4	535.4	535.4	529.6	522.0	516.2	497.1
72.5°	443.6	441.7	449.3	443.6	449.3	441.7	443.6	441.7	437.8	432.1	413.0
75°	353.7	357.5	353.7	359.5	353.7	357.5	353.7	355.6	353.7	349.9	336.5
77.5°	269.6	273.4	269.6	269.6	269.6	273.4	269.6	271.5	271.5	271.5	260.0
80°	191.2	189.3	189.3	187.4	189.3	189.3	191.2	191.2	193.1	189.3	185.5
82.5°	122.4	120.5	120.5	124.3	120.5	120.5	122.4	124.3	120.5	120.5	120.5
85°	66.9	68.8	65.0	65.0	65.0	68.8	66.9	63.1	66.9	66.9	65.0
87.5°	24.9	22.9	22.9	22.9	22.9	22.9	24.9	26.8	26.8	26.8	28.7
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°	2020.9	2020.9	2020.9	2020.9	2020.9
2.5°	1996.0	2005.6	2011.3	2019.0	2038.1
5°	1919.6	1955.9	1967.4	1996.0	2030.4
7.5°	1751.3	1862.2	1892.8	1961.6	2015.2
10°	1588.8	1699.7	1753.2	1915.7	1996.0
12.5°	1506.6	1571.6	1607.9	1835.4	1969.3
15°	1454.9	1500.8	1527.6	1728.4	1938.7
17.5°	1414.8	1447.3	1466.4	1623.2	1896.6
20°	1389.9	1405.2	1422.4	1546.7	1848.8
22.5°	1372.7	1363.2	1376.5	1493.2	1783.8
25°	1361.2	1324.9	1340.2	1451.1	1707.3
27.5°	1370.8	1290.5	1296.2	1412.9	1627.0
30°	1372.7	1248.4	1250.4	1372.7	1537.2
32.5°	1359.3	1204.5	1206.4	1323.0	1435.8
35°	1326.8	1152.8	1150.9	1265.6	1298.2
37.5°	1282.9	1097.5	1097.5	1202.6	1147.1
40°	1229.3	1042.0	1047.8	1120.4	1013.4
42.5°	1164.3	982.8	990.4	1011.4	913.9
45°	1093.7	925.4	931.1	854.7	837.5
47.5°	1015.3	866.1	868.0	709.4	812.6
50°	921.6	805.0	797.3	608.0	810.7
52.5°	839.4	738.0	715.1	550.7	736.1
55°	759.1	667.3	617.6	506.7	682.6
57.5°	688.3	575.5	527.7	455.1	671.1
60°	623.3	485.6	449.3	399.6	615.7
62.5°	569.8	418.7	411.1	361.4	558.3
65°	512.4	372.8	370.9	328.9	474.2
67.5°	457.0	342.2	340.3	298.3	361.4
70°	397.7	309.7	305.9	265.8	267.7
72.5°	336.5	273.4	269.6	239.0	221.8
75°	275.3	231.4	229.4	208.4	179.7
77.5°	216.1	183.6	187.4	168.3	131.9
80°	154.9	133.8	137.7	120.5	99.4
82.5°	103.2	88.0	91.8	76.5	66.9
85°	57.4	49.7	51.6	40.2	30.6
87.5°	26.8	22.9	22.9	15.3	9.6
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



TEST NUMBER: P935112

CATALOG NUMBER: SQ4-FA-100U-075D-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	11.64	12.43	12.68	13.47	14.87	14.48	15.26	15.52	16.31	17.71
	3H	12.12	12.82	13.16	13.87	15.29	15.82	16.53	16.87	17.57	18.99
	4H	12.30	12.97	13.36	14.02	15.45	16.27	16.93	17.32	17.98	19.41
	6H	12.42	13.03	13.48	14.08	15.52	16.55	17.16	17.61	18.22	19.65
	8H	12.42	13.00	13.49	14.07	15.50	16.62	17.20	17.69	18.28	19.71
	12H	12.38	12.94	13.46	14.00	15.46	16.66	17.21	17.73	18.28	19.74
4H	2H	12.67	13.33	13.73	14.39	15.81	14.88	15.55	15.94	16.60	18.02
	3H	13.69	14.24	14.76	15.32	16.76	16.38	16.94	17.45	18.02	19.45
	4H	13.96	14.47	15.04	15.54	17.00	16.91	17.42	17.98	18.49	19.95
	6H	14.08	14.52	15.17	15.61	17.07	17.27	17.71	18.36	18.80	20.26
	8H	14.09	14.49	15.17	15.58	17.05	17.38	17.78	18.46	18.87	20.34
	12H	14.05	14.42	15.15	15.52	16.99	17.43	17.80	18.53	18.90	20.37
8H	4H	14.41	14.82	15.50	15.90	17.37	17.03	17.43	18.11	18.52	19.99
	6H	14.67	15.00	15.78	16.13	17.60	17.46	17.80	18.57	18.93	20.39
	8H	14.71	15.00	15.82	16.11	17.60	17.61	17.91	18.73	19.02	20.51
	12H	14.69	14.95	15.81	16.06	17.58	17.71	17.97	18.83	19.07	20.60
12H	4H	14.41	14.78	15.52	15.88	17.36	16.99	17.35	18.09	18.45	19.93
	6H	14.73	15.02	15.84	16.13	17.62	17.46	17.75	18.57	18.86	20.35
	8H	14.79	15.05	15.91	16.16	17.68	17.62	17.88	18.74	18.98	20.51