

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: P935472

Luminaire Tested: SQ4-FA-125U-050D-935-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935472
REPORT IS A COMBINATION OF REPORTS P933756 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-050D-935-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

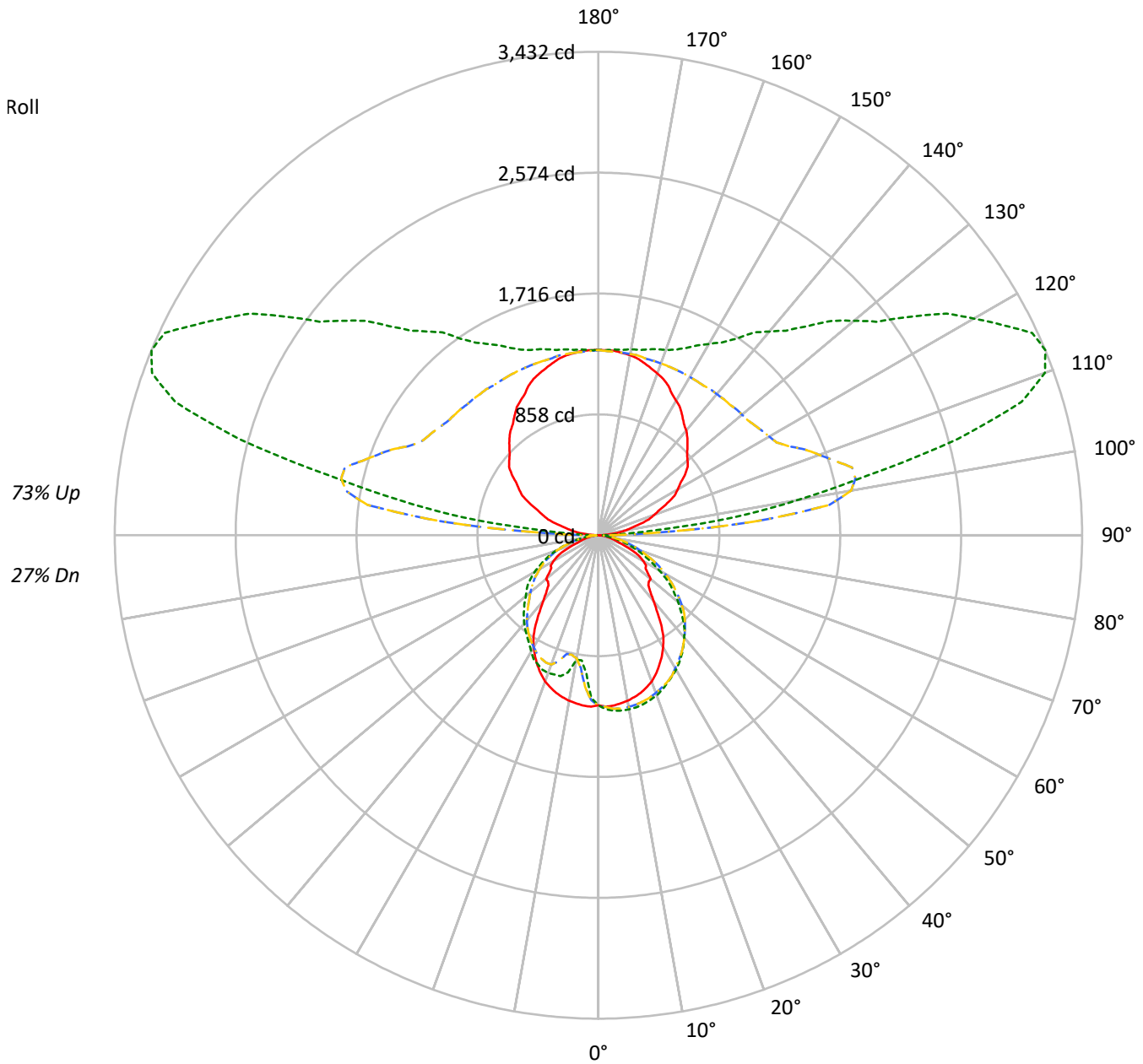
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11658.8 lumens
Efficiency: N/A
Efficacy: 122.5 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: Semi-Indirect

Input Watts (W): 95.2
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	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35				27
1	93	88	85	81	83	79	76	73	62	60	58	46	44	43	31	30	29				23
2	84	77	71	66	75	69	64	60	54	51	48	40	38	36	27	26	25				19
3	77	68	61	55	68	61	55	50	48	43	40	35	33	30	24	22	21				16
4	70	60	52	47	62	54	47	42	42	38	34	31	28	26	21	20	18				14
5	64	53	45	40	57	48	41	36	38	33	29	28	25	22	19	17	16				12
6	59	48	40	34	53	43	36	31	34	29	25	25	22	19	17	15	14				10
7	55	43	35	30	49	38	32	27	30	26	22	23	20	17	16	14	12				9
8	50	39	31	26	45	35	28	24	28	23	19	21	18	15	15	12	11				8
9	47	35	28	23	42	32	25	21	25	21	17	19	16	14	13	11	10				7
10	44	32	25	20	39	29	23	19	23	19	15	18	14	12	12	10	9				7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5605	5605	5605	5605
5°	5646	5657	5646	4449
10°	5609	5573	5609	3984
15°	5547	5452	5547	4553
20°	5431	5309	5431	4562
25°	5194	5100	5194	4465
30°	4887	4927	4887	4253
35°	4357	4708	4357	4020
40°	3630	4450	3630	3844
45°	3244	4148	3244	3641
50°	3446	3789	3446	3438
55°	3242	3400	3242	3320
60°	3342	2888	3342	3041
65°	3030	2388	3030	2668
70°	2098	1903	2098	2237
75°	1839	1406	1839	1685
80°	1482	929	1482	1012
85°	852	493	852	419

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 4971 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.0	0.9
10°-20°	309.6	2.7
20°-30°	478.6	4.1
30°-40°	571.3	4.9
40°-50°	574.7	4.9
50°-60°	500.0	4.3
60°-70°	354.5	3.0
70°-80°	187.6	1.6
80°-90°	51.7	0.4
90°-100°	640.8	5.5
100°-110°	1684.7	14.4
110°-120°	1746.8	15.0
120°-130°	1401.1	12.0
130°-140°	1099.4	9.4
140°-150°	843.8	7.2
150°-160°	607.7	5.2
160°-170°	371.8	3.2
170°-180°	125.6	1.1
0°-30°	897.2	7.7
0°-40°	1468.5	12.6
0°-60°	2543.1	21.8
0°-90°	3137.0	26.9
90°-120°	4072.3	34.9
90°-150°	7416.7	63.6
90°-180°	8522.0	73.1
0°-180°	11658.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1208	1208	1208	1208	1208	
5°	1214	1251	1214	984	1214	115
15°	1159	1240	1159	1035	1159	326
25°	1020	1156	1020	1012	1020	469
35°	776	1032	776	881	776	480
45°	501	850	501	746	501	401
55°	408	627	408	612	408	375
65°	283	378	283	423	283	271
75°	107	179	107	215	107	113
85°	18	46	18	39	18	25
90°	9	34	9	34	9	8
95°	85	387	85	387	85	94
105°	304	2638	304	2638	304	322
115°	539	3397	539	3397	539	532
125°	750	2705	750	2705	750	666
135°	894	2099	894	2099	894	691
145°	1037	1703	1037	1703	1037	649
155°	1172	1466	1172	1466	1172	538
165°	1264	1366	1264	1366	1264	357
175°	1315	1323	1315	1323	1315	125
180°	1315	1315	1315	1315	1315	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1208.0	1208.0	1208.0	1208.0	1208.0	1208.0	1208.0	1208.0	1208.0	1208.0	1208.0
2.5°	1218.2	1218.2	1225.1	1227.4	1227.4	1223.9	1220.5	1223.9	1234.2	1237.6	1236.5
5°	1213.7	1222.8	1235.4	1237.6	1239.9	1238.8	1236.5	1238.8	1250.2	1252.5	1253.6
7.5°	1204.5	1221.7	1237.6	1241.1	1244.5	1241.1	1239.9	1242.2	1253.6	1255.9	1255.9
10°	1193.1	1217.1	1235.4	1237.6	1241.1	1237.6	1237.6	1242.2	1253.6	1255.9	1257.0
12.5°	1177.0	1210.2	1227.4	1229.6	1234.2	1233.1	1231.9	1236.5	1247.9	1250.2	1250.2
15°	1158.8	1197.7	1213.7	1215.9	1223.9	1221.7	1221.7	1226.2	1238.8	1242.2	1241.1
17.5°	1133.7	1181.6	1200.0	1203.4	1209.1	1208.0	1209.1	1213.7	1225.1	1227.4	1228.5
20°	1105.0	1159.9	1181.6	1185.0	1190.8	1190.8	1190.8	1196.5	1208.0	1212.5	1212.5
22.5°	1066.2	1137.1	1159.9	1162.2	1169.1	1169.1	1171.3	1179.3	1189.6	1190.8	1190.8
25°	1020.5	1111.9	1131.4	1138.2	1145.1	1148.5	1151.9	1156.5	1159.9	1158.8	1159.9
27.5°	972.6	1079.9	1105.0	1109.6	1118.8	1122.3	1126.8	1128.0	1129.1	1132.5	1130.3
30°	918.8	1035.4	1073.1	1077.7	1092.5	1094.8	1090.2	1092.5	1098.2	1100.5	1102.8
32.5°	858.2	969.1	1040.0	1050.3	1064.0	1057.1	1056.0	1059.4	1068.5	1068.5	1070.8
35°	775.9	917.7	1009.1	1018.2	1028.5	1020.5	1025.1	1026.2	1031.9	1035.4	1034.2
37.5°	685.7	873.1	977.1	984.0	992.0	981.7	988.5	992.0	996.5	994.2	994.2
40°	605.7	803.4	939.4	943.9	950.8	942.8	949.6	951.9	954.2	951.9	950.8
42.5°	546.2	726.8	899.4	905.1	900.5	906.3	908.5	913.1	909.7	905.1	905.1
45°	500.6	706.2	855.9	862.8	855.9	865.1	868.5	868.5	858.2	855.9	854.8
47.5°	485.7	665.1	812.6	812.6	809.1	820.6	826.3	818.3	808.0	804.5	804.5
50°	484.5	619.4	753.1	748.6	764.5	778.2	772.5	764.5	756.5	744.0	744.0
52.5°	440.0	563.4	676.6	693.7	718.8	726.8	717.6	709.7	696.0	690.2	685.7
55°	407.9	505.2	606.8	641.1	667.4	677.7	660.6	652.5	631.9	628.5	626.2
57.5°	401.1	420.5	542.8	586.3	618.2	617.1	606.8	592.0	574.8	571.4	570.2
60°	368.0	304.0	474.2	525.7	558.8	555.4	546.2	532.5	516.6	514.3	512.0
62.5°	333.7	220.6	396.5	454.8	501.7	500.6	492.5	472.0	460.5	454.8	450.3
65°	283.4	185.1	282.3	378.3	445.7	448.0	430.9	415.9	403.4	396.5	395.4
67.5°	216.0	150.9	190.8	315.4	392.0	389.7	368.0	361.2	345.1	341.7	334.8
70°	160.0	100.5	132.6	256.0	339.4	333.7	316.5	308.6	293.7	285.7	281.2
72.5°	132.6	81.1	97.1	198.9	285.7	278.9	263.9	254.8	242.3	235.4	230.8
75°	107.4	85.7	74.3	147.4	232.0	227.4	213.7	204.6	194.3	185.1	186.2
77.5°	78.9	80.0	59.4	108.5	184.0	177.1	169.1	157.7	153.1	144.0	144.0
80°	59.4	62.9	44.6	74.3	132.6	132.6	125.7	117.7	109.7	105.1	105.1
82.5°	40.0	40.0	33.1	46.9	90.3	86.8	82.3	80.0	75.4	73.1	73.1
85°	18.3	22.8	20.5	28.5	49.2	51.5	51.5	49.2	48.0	45.8	46.9
87.5°	5.7	10.3	12.6	16.0	25.1	26.3	27.4	27.4	27.4	28.5	28.5
90°	8.9	15.9	22.9	24.7	38.9	57.7	67.1	59.6	44.6	33.5	33.5
92.5°	35.3	95.3	155.3	170.3	239.4	331.5	377.6	330.9	237.6	167.6	160.9
95°	84.7	194.5	304.3	331.8	589.1	932.2	1103.7	984.9	747.3	569.1	548.9
97.5°	146.5	243.3	340.2	364.4	793.5	1365.6	1651.6	1576.5	1426.3	1313.7	1275.3
100°	194.1	281.9	369.8	391.7	867.8	1502.7	1820.1	1825.6	1836.6	1844.8	1799.1
102.5°	234.6	316.6	398.6	419.1	902.0	1545.9	1867.8	1963.4	2154.8	2298.3	2259.1
105°	303.5	372.9	442.3	459.7	927.2	1550.7	1862.5	2076.9	2505.9	2827.6	2806.6
107.5°	374.1	438.8	503.4	519.6	931.9	1481.7	1756.6	2055.8	2654.2	3102.9	3108.0
110°	421.7	480.2	538.6	553.2	924.9	1420.5	1668.4	2002.9	2671.8	3173.4	3195.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	468.5	524.2	579.9	593.8	925.2	1367.1	1588.0	1930.4	2615.0	3128.5	3162.2
115°	539.1	590.4	641.7	654.6	933.7	1305.9	1491.9	1821.7	2481.2	2975.9	3022.6
117.5°	608.8	655.4	702.0	713.7	951.1	1267.5	1425.7	1723.3	2318.5	2765.0	2816.9
120°	649.3	693.3	737.2	748.1	965.1	1254.6	1399.2	1671.2	2215.0	2623.0	2673.3
122.5°	689.0	733.3	777.6	788.7	985.4	1247.8	1379.0	1623.8	2113.6	2480.9	2530.6
125°	749.9	790.3	830.7	840.8	1012.8	1242.2	1356.9	1565.0	1981.0	2293.0	2338.7
127.5°	799.3	840.2	880.9	891.1	1040.2	1239.0	1338.4	1517.0	1874.2	2142.1	2180.7
130°	825.8	869.7	913.6	924.6	1060.1	1240.9	1331.3	1490.3	1808.4	2046.8	2082.5
132.5°	853.1	897.1	940.9	951.9	1076.3	1242.2	1325.1	1467.5	1752.1	1965.6	1997.6
135°	893.7	933.7	973.8	983.7	1094.0	1241.0	1314.6	1433.7	1672.1	1851.0	1878.5
137.5°	935.2	974.8	1014.4	1024.3	1120.5	1248.7	1312.8	1413.6	1615.1	1766.3	1788.9
140°	969.6	1006.0	1042.5	1051.6	1136.7	1250.0	1306.6	1393.7	1567.8	1698.4	1719.4
142.5°	996.1	1029.8	1063.5	1071.9	1150.1	1254.5	1306.6	1383.1	1536.0	1650.7	1668.8
145°	1036.6	1066.0	1095.5	1102.8	1167.8	1254.5	1297.8	1360.3	1485.5	1579.3	1593.0
147.5°	1077.3	1105.9	1134.5	1141.7	1193.7	1263.1	1297.8	1347.0	1445.4	1519.3	1530.6
150°	1103.7	1129.6	1155.5	1162.0	1207.2	1267.6	1297.8	1339.3	1422.5	1484.9	1494.1
152.5°	1131.0	1150.6	1170.2	1175.2	1216.1	1270.5	1297.8	1333.3	1404.3	1457.5	1464.5
155°	1171.7	1186.2	1200.6	1204.3	1235.5	1277.0	1297.8	1326.1	1382.5	1424.9	1429.5
157.5°	1201.7	1215.7	1229.9	1233.4	1254.8	1283.5	1297.8	1319.7	1363.6	1396.6	1399.8
160°	1221.9	1232.9	1243.9	1246.6	1263.7	1286.4	1297.8	1316.6	1354.3	1382.5	1384.3
162.5°	1242.2	1250.4	1258.7	1260.7	1273.1	1289.5	1297.8	1313.6	1345.4	1369.2	1371.0
165°	1264.3	1271.8	1279.2	1281.1	1286.6	1294.0	1297.8	1309.2	1331.9	1349.0	1350.8
167.5°	1284.6	1288.1	1291.6	1292.5	1297.2	1303.5	1306.6	1314.0	1328.9	1340.1	1340.9
170°	1297.8	1301.3	1304.9	1305.8	1306.0	1306.5	1306.6	1314.0	1328.9	1340.1	1340.1
172.5°	1304.8	1305.6	1306.5	1306.6	1306.6	1306.6	1306.6	1312.5	1324.3	1333.1	1332.4
175°	1314.6	1314.6	1314.6	1314.6	1311.9	1308.4	1306.6	1310.4	1317.8	1323.4	1323.4
177.5°	1314.6	1314.6	1314.6	1314.6	1312.5	1309.8	1308.4	1311.3	1317.2	1321.6	1320.9
180°	1314.6	1314.6	1314.6	1314.6	1314.6	1314.6	1314.6	1314.6	1314.6	1314.6	1314.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1208.0	1208.0	1208.0	1208.0	1208.0	1208.0	1208.0	1208.0	1208.0	1208.0	1208.0
2.5°	1238.8	1235.4	1238.8	1236.5	1237.6	1234.2	1223.9	1220.5	1223.9	1227.4	1227.4
5°	1253.6	1251.3	1253.6	1253.6	1252.5	1250.2	1238.8	1236.5	1238.8	1239.9	1237.6
7.5°	1258.2	1254.8	1258.2	1255.9	1255.9	1253.6	1242.2	1239.9	1241.1	1244.5	1241.1
10°	1258.2	1254.8	1258.2	1257.0	1255.9	1253.6	1242.2	1237.6	1237.6	1241.1	1237.6
12.5°	1252.5	1250.2	1252.5	1250.2	1250.2	1247.9	1236.5	1231.9	1233.1	1234.2	1229.6
15°	1243.3	1239.9	1243.3	1241.1	1242.2	1238.8	1226.2	1221.7	1221.7	1223.9	1215.9
17.5°	1229.6	1225.1	1229.6	1228.5	1227.4	1225.1	1213.7	1209.1	1208.0	1209.1	1203.4
20°	1213.7	1210.2	1213.7	1212.5	1212.5	1208.0	1196.5	1190.8	1190.8	1190.8	1185.0
22.5°	1188.5	1185.0	1188.5	1190.8	1190.8	1189.6	1179.3	1171.3	1169.1	1169.1	1162.2
25°	1159.9	1156.5	1159.9	1159.9	1158.8	1159.9	1156.5	1151.9	1148.5	1145.1	1138.2
27.5°	1132.5	1130.3	1132.5	1130.3	1132.5	1129.1	1128.0	1126.8	1122.3	1118.8	1109.6
30°	1105.0	1102.8	1105.0	1102.8	1100.5	1098.2	1092.5	1090.2	1094.8	1092.5	1077.7
32.5°	1070.8	1068.5	1070.8	1070.8	1068.5	1068.5	1059.4	1056.0	1057.1	1064.0	1050.3
35°	1035.4	1031.9	1035.4	1034.2	1035.4	1031.9	1026.2	1025.1	1020.5	1028.5	1018.2
37.5°	994.2	990.8	994.2	994.2	994.2	996.5	992.0	988.5	981.7	992.0	984.0
40°	951.9	947.3	951.9	950.8	951.9	954.2	951.9	949.6	942.8	950.8	943.9
42.5°	904.0	902.8	904.0	905.1	905.1	909.7	913.1	908.5	906.3	900.5	905.1
45°	852.5	850.2	852.5	854.8	855.9	858.2	868.5	868.5	865.1	855.9	862.8
47.5°	797.6	791.9	797.6	804.5	804.5	808.0	818.3	826.3	820.6	809.1	812.6
50°	739.4	740.6	739.4	744.0	744.0	756.5	764.5	772.5	778.2	764.5	748.6
52.5°	682.3	681.1	682.3	685.7	690.2	696.0	709.7	717.6	726.8	718.8	693.7
55°	625.1	627.4	625.1	626.2	628.5	631.9	652.5	660.6	677.7	667.4	641.1
57.5°	567.9	564.5	567.9	570.2	571.4	574.8	592.0	606.8	617.1	618.2	586.3
60°	501.7	497.1	501.7	512.0	514.3	516.6	532.5	546.2	555.4	558.8	525.7
62.5°	443.4	435.4	443.4	450.3	454.8	460.5	472.0	492.5	500.6	501.7	454.8
65°	381.7	378.3	381.7	395.4	396.5	403.4	415.9	430.9	448.0	445.7	378.3
67.5°	325.7	325.7	325.7	334.8	341.7	345.1	361.2	368.0	389.7	392.0	315.4
70°	274.3	273.2	274.3	281.2	285.7	293.7	308.6	316.5	333.7	339.4	256.0
72.5°	225.1	224.0	225.1	230.8	235.4	242.3	254.8	263.9	278.9	285.7	198.9
75°	181.7	179.4	181.7	186.2	185.1	194.3	204.6	213.7	227.4	232.0	147.4
77.5°	139.4	139.4	139.4	144.0	144.0	153.1	157.7	169.1	177.1	184.0	108.5
80°	104.0	102.8	104.0	105.1	105.1	109.7	117.7	125.7	132.6	132.6	74.3
82.5°	73.1	70.9	73.1	73.1	73.1	75.4	80.0	82.3	86.8	90.3	46.9
85°	45.8	45.8	45.8	46.9	45.8	48.0	49.2	51.5	51.5	49.2	28.5
87.5°	29.7	28.5	29.7	28.5	28.5	27.4	27.4	27.4	26.3	25.1	16.0
90°	33.5	33.5	33.5	33.5	33.5	44.6	59.6	67.1	57.7	38.9	24.7
92.5°	134.3	107.6	134.3	160.9	167.6	237.6	330.9	377.6	331.5	239.4	170.3
95°	468.1	387.3	468.1	548.9	569.1	747.3	984.9	1103.7	932.2	589.1	331.8
97.5°	1121.6	967.9	1121.6	1275.3	1313.7	1426.3	1576.5	1651.6	1365.6	793.5	364.4
100°	1615.9	1432.8	1615.9	1799.1	1844.8	1836.6	1825.6	1820.1	1502.7	867.8	391.7
102.5°	2102.2	1945.4	2102.2	2259.1	2298.3	2154.8	1963.4	1867.8	1545.9	902.0	419.1
105°	2722.2	2638.0	2722.2	2806.6	2827.6	2505.9	2076.9	1862.5	1550.7	927.2	459.7
107.5°	3128.4	3148.7	3128.4	3108.0	3102.9	2654.2	2055.8	1756.6	1481.7	931.9	519.6
110°	3283.3	3371.1	3283.3	3195.4	3173.4	2671.8	2002.9	1668.4	1420.5	924.9	553.2



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CATALOG NUMBER: SQ4-FA-125U-050D-935-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3297.1	3431.9	3297.1	3162.2	3128.5	2615.0	1930.4	1588.0	1367.1	925.2	593.8
115°	3209.7	3396.7	3209.7	3022.6	2975.9	2481.2	1821.7	1491.9	1305.9	933.7	654.6
117.5°	3024.3	3231.7	3024.3	2816.9	2765.0	2318.5	1723.3	1425.7	1267.5	951.1	713.7
120°	2874.9	3076.4	2874.9	2673.3	2623.0	2215.0	1671.2	1399.2	1254.6	965.1	748.1
122.5°	2729.5	2928.2	2729.5	2530.6	2480.9	2113.6	1623.8	1379.0	1247.8	985.4	788.7
125°	2521.9	2705.0	2521.9	2338.7	2293.0	1981.0	1565.0	1356.9	1242.2	1012.8	840.8
127.5°	2335.2	2489.7	2335.2	2180.7	2142.1	1874.2	1517.0	1338.4	1239.0	1040.2	891.1
130°	2225.3	2368.0	2225.3	2082.5	2046.8	1808.4	1490.3	1331.3	1240.9	1060.1	924.6
132.5°	2125.5	2253.3	2125.5	1997.6	1965.6	1752.1	1467.5	1325.1	1242.2	1076.3	951.9
135°	1988.7	2098.9	1988.7	1878.5	1851.0	1672.1	1433.7	1314.6	1241.0	1094.0	983.7
137.5°	1879.0	1969.2	1879.0	1788.9	1766.3	1615.1	1413.6	1312.8	1248.7	1120.5	1024.3
140°	1803.8	1888.0	1803.8	1719.4	1698.4	1567.8	1393.7	1306.6	1250.0	1136.7	1051.6
142.5°	1741.3	1813.9	1741.3	1668.8	1650.7	1536.0	1383.1	1306.6	1254.5	1150.1	1071.9
145°	1647.9	1702.7	1647.9	1593.0	1579.3	1485.5	1360.3	1297.8	1254.5	1167.8	1102.8
147.5°	1576.1	1621.6	1576.1	1530.6	1519.3	1445.4	1347.0	1297.8	1263.1	1193.7	1141.7
150°	1531.0	1567.8	1531.0	1494.1	1484.9	1422.5	1339.3	1297.8	1267.6	1207.2	1162.0
152.5°	1492.3	1520.1	1492.3	1464.5	1457.5	1404.3	1333.3	1297.8	1270.5	1216.1	1175.2
155°	1447.9	1466.3	1447.9	1429.5	1424.9	1382.5	1326.1	1297.8	1277.0	1235.5	1204.3
157.5°	1412.8	1425.7	1412.8	1399.8	1396.6	1363.6	1319.7	1297.8	1283.5	1254.8	1233.4
160°	1391.7	1399.2	1391.7	1384.3	1382.5	1354.3	1316.6	1297.8	1286.4	1263.7	1246.6
162.5°	1378.1	1385.2	1378.1	1371.0	1369.2	1345.4	1313.6	1297.8	1289.5	1273.1	1260.7
165°	1358.3	1365.8	1358.3	1350.8	1349.0	1331.9	1309.2	1297.8	1294.0	1286.6	1281.1
167.5°	1344.0	1347.2	1344.0	1340.9	1340.1	1328.9	1314.0	1306.6	1303.5	1297.2	1292.5
170°	1340.1	1340.1	1340.1	1340.1	1340.1	1328.9	1314.0	1306.6	1306.5	1306.0	1305.8
172.5°	1329.6	1326.9	1329.6	1332.4	1333.1	1324.3	1312.5	1306.6	1306.6	1306.6	1306.6
175°	1323.4	1323.4	1323.4	1323.4	1323.4	1317.8	1310.4	1306.6	1308.4	1311.9	1314.6
177.5°	1317.7	1314.6	1317.7	1320.9	1321.6	1317.2	1311.3	1308.4	1309.8	1312.5	1314.6
180°	1314.6	1314.6	1314.6	1314.6	1314.6	1314.6	1314.6	1314.6	1314.6	1314.6	1314.6



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1208.0	1208.0	1208.0	1208.0	1208.0	1208.0	1208.0	1208.0	1208.0	1208.0	1208.0
2.5°	1225.1	1218.2	1218.2	1206.8	1202.3	1198.8	1193.1	1175.9	1171.3	1166.8	1173.6
5°	1235.4	1222.8	1213.7	1193.1	1175.9	1169.1	1147.4	1106.2	1078.8	1058.2	1046.8
7.5°	1237.6	1221.7	1204.5	1172.5	1131.4	1113.1	1046.8	971.4	950.8	932.5	921.1
10°	1235.4	1217.1	1193.1	1145.1	1048.0	1015.9	949.6	900.5	888.0	884.5	888.0
12.5°	1227.4	1210.2	1177.0	1097.1	961.1	939.4	900.5	871.9	869.6	875.3	906.3
15°	1213.7	1197.7	1158.8	1033.0	913.1	897.1	869.6	859.4	871.9	912.0	1004.5
17.5°	1200.0	1181.6	1133.7	970.3	876.5	865.1	845.7	866.2	937.1	990.8	1021.6
20°	1181.6	1159.9	1105.0	924.5	850.2	840.0	830.8	923.4	977.1	996.5	1013.6
22.5°	1159.9	1137.1	1066.2	892.6	822.8	814.9	820.6	955.3	977.1	990.8	1005.6
25°	1131.4	1111.9	1020.5	867.4	801.1	791.9	813.7	951.9	964.5	968.0	997.7
27.5°	1105.0	1079.9	972.6	844.5	774.8	771.4	819.4	937.1	946.2	949.6	981.7
30°	1073.1	1035.4	918.8	820.6	747.4	746.3	820.6	918.8	916.5	925.7	957.6
32.5°	1040.0	969.1	858.2	790.8	721.1	719.9	812.6	891.4	889.1	901.7	925.7
35°	1009.1	917.7	775.9	756.5	688.0	689.1	793.1	859.4	860.5	871.9	886.8
37.5°	977.1	873.1	685.7	718.8	656.0	656.0	766.8	829.7	827.4	830.8	851.4
40°	939.4	803.4	605.7	669.7	626.2	622.8	734.8	797.6	789.6	788.5	817.1
42.5°	899.4	726.8	546.2	604.6	592.0	587.4	696.0	758.8	744.0	747.4	783.9
45°	855.9	706.2	500.6	510.9	556.5	553.1	653.7	714.2	703.9	713.1	750.8
47.5°	812.6	665.1	485.7	424.0	518.9	517.7	606.8	670.8	665.1	674.3	714.2
50°	753.1	619.4	484.5	363.4	476.5	481.1	550.8	628.5	628.5	636.5	678.8
52.5°	676.6	563.4	440.0	329.1	427.4	441.1	501.7	592.0	594.3	602.3	639.9
55°	606.8	505.2	407.9	302.8	369.1	398.8	453.7	554.2	558.8	566.8	601.1
57.5°	542.8	420.5	401.1	272.0	315.4	344.0	411.4	517.7	520.0	526.8	559.9
60°	474.2	304.0	368.0	238.8	268.6	290.3	372.6	474.2	482.2	486.8	515.4
62.5°	396.5	220.6	333.7	216.0	245.7	250.2	340.5	433.2	443.4	446.9	464.0
65°	282.3	185.1	283.4	196.6	221.7	222.9	306.3	390.8	400.0	405.7	418.2
67.5°	190.8	150.9	216.0	178.2	203.5	204.6	273.2	341.7	354.3	358.9	366.9
70°	132.6	100.5	160.0	158.8	182.8	185.1	237.7	297.1	308.6	312.0	316.5
72.5°	97.1	81.1	132.6	142.9	161.1	163.4	201.2	246.8	258.2	261.7	263.9
75°	74.3	85.7	107.4	124.6	137.2	138.3	164.5	201.2	209.2	211.4	212.6
77.5°	59.4	80.0	78.9	100.5	112.0	109.7	129.2	155.4	162.3	162.3	162.3
80°	44.6	62.9	59.4	72.0	82.3	80.0	92.5	110.8	113.1	115.4	114.3
82.5°	33.1	40.0	40.0	45.8	54.9	52.6	61.7	72.0	72.0	72.0	74.3
85°	20.5	22.8	18.3	24.0	30.8	29.7	34.3	38.9	40.0	40.0	37.7
87.5°	12.6	10.3	5.7	9.1	13.7	13.7	16.0	17.1	16.0	16.0	16.0
90°	22.9	15.9	8.9	15.9	22.9	24.7	38.9	57.7	67.1	59.6	44.6
92.5°	155.3	95.3	35.3	95.3	155.3	170.3	239.4	331.5	377.6	330.9	237.6
95°	304.3	194.5	84.7	194.5	304.3	331.8	589.1	932.2	1103.7	984.9	747.3
97.5°	340.2	243.3	146.5	243.3	340.2	364.4	793.5	1365.6	1651.6	1576.5	1426.3
100°	369.8	281.9	194.1	281.9	369.8	391.7	867.8	1502.7	1820.1	1825.6	1836.6
102.5°	398.6	316.6	234.6	316.6	398.6	419.1	902.0	1545.9	1867.8	1963.4	2154.8
105°	442.3	372.9	303.5	372.9	442.3	459.7	927.2	1550.7	1862.5	2076.9	2505.9
107.5°	503.4	438.8	374.1	438.8	503.4	519.6	931.9	1481.7	1756.6	2055.8	2654.2
110°	538.6	480.2	421.7	480.2	538.6	553.2	924.9	1420.5	1668.4	2002.9	2671.8



TEST NUMBER: P935472

CATALOG NUMBER: SQ4-FA-125U-050D-935-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	579.9	524.2	468.5	524.2	579.9	593.8	925.2	1367.1	1588.0	1930.4	2615.0
115°	641.7	590.4	539.1	590.4	641.7	654.6	933.7	1305.9	1491.9	1821.7	2481.2
117.5°	702.0	655.4	608.8	655.4	702.0	713.7	951.1	1267.5	1425.7	1723.3	2318.5
120°	737.2	693.3	649.3	693.3	737.2	748.1	965.1	1254.6	1399.2	1671.2	2215.0
122.5°	777.6	733.3	689.0	733.3	777.6	788.7	985.4	1247.8	1379.0	1623.8	2113.6
125°	830.7	790.3	749.9	790.3	830.7	840.8	1012.8	1242.2	1356.9	1565.0	1981.0
127.5°	880.9	840.2	799.3	840.2	880.9	891.1	1040.2	1239.0	1338.4	1517.0	1874.2
130°	913.6	869.7	825.8	869.7	913.6	924.6	1060.1	1240.9	1331.3	1490.3	1808.4
132.5°	940.9	897.1	853.1	897.1	940.9	951.9	1076.3	1242.2	1325.1	1467.5	1752.1
135°	973.8	933.7	893.7	933.7	973.8	983.7	1094.0	1241.0	1314.6	1433.7	1672.1
137.5°	1014.4	974.8	935.2	974.8	1014.4	1024.3	1120.5	1248.7	1312.8	1413.6	1615.1
140°	1042.5	1006.0	969.6	1006.0	1042.5	1051.6	1136.7	1250.0	1306.6	1393.7	1567.8
142.5°	1063.5	1029.8	996.1	1029.8	1063.5	1071.9	1150.1	1254.5	1306.6	1383.1	1536.0
145°	1095.5	1066.0	1036.6	1066.0	1095.5	1102.8	1167.8	1254.5	1297.8	1360.3	1485.5
147.5°	1134.5	1105.9	1077.3	1105.9	1134.5	1141.7	1193.7	1263.1	1297.8	1347.0	1445.4
150°	1155.5	1129.6	1103.7	1129.6	1155.5	1162.0	1207.2	1267.6	1297.8	1339.3	1422.5
152.5°	1170.2	1150.6	1131.0	1150.6	1170.2	1175.2	1216.1	1270.5	1297.8	1333.3	1404.3
155°	1200.6	1186.2	1171.7	1186.2	1200.6	1204.3	1235.5	1277.0	1297.8	1326.1	1382.5
157.5°	1229.9	1215.7	1201.7	1215.7	1229.9	1233.4	1254.8	1283.5	1297.8	1319.7	1363.6
160°	1243.9	1232.9	1221.9	1232.9	1243.9	1246.6	1263.7	1286.4	1297.8	1316.6	1354.3
162.5°	1258.7	1250.4	1242.2	1250.4	1258.7	1260.7	1273.1	1289.5	1297.8	1313.6	1345.4
165°	1279.2	1271.8	1264.3	1271.8	1279.2	1281.1	1286.6	1294.0	1297.8	1309.2	1331.9
167.5°	1291.6	1288.1	1284.6	1288.1	1291.6	1292.5	1297.2	1303.5	1306.6	1314.0	1328.9
170°	1304.9	1301.3	1297.8	1301.3	1304.9	1305.8	1306.0	1306.5	1306.6	1314.0	1328.9
172.5°	1306.5	1305.6	1304.8	1305.6	1306.5	1306.6	1306.6	1306.6	1306.6	1312.5	1324.3
175°	1314.6	1314.6	1314.6	1314.6	1314.6	1314.6	1311.9	1308.4	1306.6	1310.4	1317.8
177.5°	1314.6	1314.6	1314.6	1314.6	1314.6	1314.6	1312.5	1309.8	1308.4	1311.3	1317.2
180°	1314.6	1314.6	1314.6	1314.6	1314.6	1314.6	1314.6	1314.6	1314.6	1314.6	1314.6



TEST NUMBER: P935472

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1208.0	1208.0	1208.0	1208.0	1208.0	1208.0	1208.0	1208.0	1208.0	1208.0	1208.0
2.5°	1165.6	1162.2	1166.8	1154.2	1166.8	1162.2	1165.6	1173.6	1166.8	1171.3	1175.9
5°	1022.8	1017.1	998.8	984.0	998.8	1017.1	1022.8	1046.8	1058.2	1078.8	1106.2
7.5°	914.2	909.7	905.1	896.0	905.1	909.7	914.2	921.1	932.5	950.8	971.4
10°	890.3	891.4	898.3	897.1	898.3	891.4	890.3	888.0	884.5	888.0	900.5
12.5°	951.9	962.2	999.9	997.7	999.9	962.2	951.9	906.3	875.3	869.6	871.9
15°	1022.8	1026.2	1034.2	1035.4	1034.2	1026.2	1022.8	1004.5	912.0	871.9	859.4
17.5°	1029.6	1030.8	1036.5	1036.5	1036.5	1030.8	1029.6	1021.6	990.8	937.1	866.2
20°	1023.9	1026.2	1037.7	1040.0	1037.7	1026.2	1023.9	1013.6	996.5	977.1	923.4
22.5°	1021.6	1026.2	1035.4	1034.2	1035.4	1026.2	1021.6	1005.6	990.8	977.1	955.3
25°	1010.2	1010.2	1011.4	1012.5	1011.4	1010.2	1010.2	997.7	968.0	964.5	951.9
27.5°	986.2	988.5	995.4	994.2	995.4	988.5	986.2	981.7	949.6	946.2	937.1
30°	964.5	962.2	956.5	951.9	956.5	962.2	964.5	957.6	925.7	916.5	918.8
32.5°	927.9	922.2	916.5	913.1	916.5	922.2	927.9	925.7	901.7	889.1	891.4
35°	884.5	885.7	884.5	881.1	884.5	885.7	884.5	886.8	871.9	860.5	859.4
37.5°	853.7	855.9	854.8	850.2	854.8	855.9	853.7	851.4	830.8	827.4	829.7
40°	821.7	822.8	821.7	818.3	821.7	822.8	821.7	817.1	788.5	789.6	797.6
42.5°	790.8	789.6	786.2	783.9	786.2	789.6	790.8	783.9	747.4	744.0	758.8
45°	755.4	756.5	749.7	746.3	749.7	756.5	755.4	750.8	713.1	703.9	714.2
47.5°	719.9	719.9	714.2	710.8	714.2	719.9	719.9	714.2	674.3	665.1	670.8
50°	682.3	681.1	673.1	672.0	673.1	681.1	682.3	678.8	636.5	628.5	628.5
52.5°	638.8	638.8	639.9	642.2	639.9	638.8	638.8	639.9	602.3	594.3	592.0
55°	601.1	602.3	610.3	612.5	610.3	602.3	601.1	601.1	566.8	558.8	554.2
57.5°	562.2	562.2	567.9	567.9	567.9	562.2	562.2	559.9	526.8	520.0	517.7
60°	517.7	520.0	524.6	523.4	524.6	520.0	517.7	515.4	486.8	482.2	474.2
62.5°	470.8	473.1	474.2	472.0	474.2	473.1	470.8	464.0	446.9	443.4	433.2
65°	421.7	424.0	425.1	422.8	425.1	424.0	421.7	418.2	405.7	400.0	390.8
67.5°	371.4	370.3	369.1	373.7	369.1	370.3	371.4	366.9	358.9	354.3	341.7
70°	320.0	320.0	318.8	321.1	318.8	320.0	320.0	316.5	312.0	308.6	297.1
72.5°	265.1	263.9	268.6	265.1	268.6	263.9	265.1	263.9	261.7	258.2	246.8
75°	211.4	213.7	211.4	214.9	211.4	213.7	211.4	212.6	211.4	209.2	201.2
77.5°	161.1	163.4	161.1	161.1	161.1	163.4	161.1	162.3	162.3	162.3	155.4
80°	114.3	113.1	113.1	112.0	113.1	113.1	114.3	114.3	115.4	113.1	110.8
82.5°	73.1	72.0	72.0	74.3	72.0	72.0	73.1	74.3	72.0	72.0	72.0
85°	40.0	41.2	38.9	38.9	38.9	41.2	40.0	37.7	40.0	40.0	38.9
87.5°	14.8	13.7	13.7	13.7	13.7	13.7	14.8	16.0	16.0	16.0	17.1
90°	33.5	33.5	33.5	33.5	33.5	33.5	33.5	44.6	59.6	67.1	57.7
92.5°	167.6	160.9	134.3	107.6	134.3	160.9	167.6	237.6	330.9	377.6	331.5
95°	569.1	548.9	468.1	387.3	468.1	548.9	569.1	747.3	984.9	1103.7	932.2
97.5°	1313.7	1275.3	1121.6	967.9	1121.6	1275.3	1313.7	1426.3	1576.5	1651.6	1365.6
100°	1844.8	1799.1	1615.9	1432.8	1615.9	1799.1	1844.8	1836.6	1825.6	1820.1	1502.7
102.5°	2298.3	2259.1	2102.2	1945.4	2102.2	2259.1	2298.3	2154.8	1963.4	1867.8	1545.9
105°	2827.6	2806.6	2722.2	2638.0	2722.2	2806.6	2827.6	2505.9	2076.9	1862.5	1550.7
107.5°	3102.9	3108.0	3128.4	3148.7	3128.4	3108.0	3102.9	2654.2	2055.8	1756.6	1481.7
110°	3173.4	3195.4	3283.3	3371.1	3283.3	3195.4	3173.4	2671.8	2002.9	1668.4	1420.5



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3128.5	3162.2	3297.1	3431.9	3297.1	3162.2	3128.5	2615.0	1930.4	1588.0	1367.1
115°	2975.9	3022.6	3209.7	3396.7	3209.7	3022.6	2975.9	2481.2	1821.7	1491.9	1305.9
117.5°	2765.0	2816.9	3024.3	3231.7	3024.3	2816.9	2765.0	2318.5	1723.3	1425.7	1267.5
120°	2623.0	2673.3	2874.9	3076.4	2874.9	2673.3	2623.0	2215.0	1671.2	1399.2	1254.6
122.5°	2480.9	2530.6	2729.5	2928.2	2729.5	2530.6	2480.9	2113.6	1623.8	1379.0	1247.8
125°	2293.0	2338.7	2521.9	2705.0	2521.9	2338.7	2293.0	1981.0	1565.0	1356.9	1242.2
127.5°	2142.1	2180.7	2335.2	2489.7	2335.2	2180.7	2142.1	1874.2	1517.0	1338.4	1239.0
130°	2046.8	2082.5	2225.3	2368.0	2225.3	2082.5	2046.8	1808.4	1490.3	1331.3	1240.9
132.5°	1965.6	1997.6	2125.5	2253.3	2125.5	1997.6	1965.6	1752.1	1467.5	1325.1	1242.2
135°	1851.0	1878.5	1988.7	2098.9	1988.7	1878.5	1851.0	1672.1	1433.7	1314.6	1241.0
137.5°	1766.3	1788.9	1879.0	1969.2	1879.0	1788.9	1766.3	1615.1	1413.6	1312.8	1248.7
140°	1698.4	1719.4	1803.8	1888.0	1803.8	1719.4	1698.4	1567.8	1393.7	1306.6	1250.0
142.5°	1650.7	1668.8	1741.3	1813.9	1741.3	1668.8	1650.7	1536.0	1383.1	1306.6	1254.5
145°	1579.3	1593.0	1647.9	1702.7	1647.9	1593.0	1579.3	1485.5	1360.3	1297.8	1254.5
147.5°	1519.3	1530.6	1576.1	1621.6	1576.1	1530.6	1519.3	1445.4	1347.0	1297.8	1263.1
150°	1484.9	1494.1	1531.0	1567.8	1531.0	1494.1	1484.9	1422.5	1339.3	1297.8	1267.6
152.5°	1457.5	1464.5	1492.3	1520.1	1492.3	1464.5	1457.5	1404.3	1333.3	1297.8	1270.5
155°	1424.9	1429.5	1447.9	1466.3	1447.9	1429.5	1424.9	1382.5	1326.1	1297.8	1277.0
157.5°	1396.6	1399.8	1412.8	1425.7	1412.8	1399.8	1396.6	1363.6	1319.7	1297.8	1283.5
160°	1382.5	1384.3	1391.7	1399.2	1391.7	1384.3	1382.5	1354.3	1316.6	1297.8	1286.4
162.5°	1369.2	1371.0	1378.1	1385.2	1378.1	1371.0	1369.2	1345.4	1313.6	1297.8	1289.5
165°	1349.0	1350.8	1358.3	1365.8	1358.3	1350.8	1349.0	1331.9	1309.2	1297.8	1294.0
167.5°	1340.1	1340.9	1344.0	1347.2	1344.0	1340.9	1340.1	1328.9	1314.0	1306.6	1303.5
170°	1340.1	1340.1	1340.1	1340.1	1340.1	1340.1	1340.1	1328.9	1314.0	1306.6	1306.5
172.5°	1333.1	1332.4	1329.6	1326.9	1329.6	1332.4	1333.1	1324.3	1312.5	1306.6	1306.6
175°	1323.4	1323.4	1323.4	1323.4	1323.4	1323.4	1323.4	1317.8	1310.4	1306.6	1308.4
177.5°	1321.6	1320.9	1317.7	1314.6	1317.7	1320.9	1321.6	1317.2	1311.3	1308.4	1309.8
180°	1314.6	1314.6	1314.6	1314.6	1314.6	1314.6	1314.6	1314.6	1314.6	1314.6	1314.6



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1208.0	1208.0	1208.0	1208.0	1208.0
2.5°	1193.1	1198.8	1202.3	1206.8	1218.2
5°	1147.4	1169.1	1175.9	1193.1	1213.7
7.5°	1046.8	1113.1	1131.4	1172.5	1204.5
10°	949.6	1015.9	1048.0	1145.1	1193.1
12.5°	900.5	939.4	961.1	1097.1	1177.0
15°	869.6	897.1	913.1	1033.0	1158.8
17.5°	845.7	865.1	876.5	970.3	1133.7
20°	830.8	840.0	850.2	924.5	1105.0
22.5°	820.6	814.9	822.8	892.6	1066.2
25°	813.7	791.9	801.1	867.4	1020.5
27.5°	819.4	771.4	774.8	844.5	972.6
30°	820.6	746.3	747.4	820.6	918.8
32.5°	812.6	719.9	721.1	790.8	858.2
35°	793.1	689.1	688.0	756.5	775.9
37.5°	766.8	656.0	656.0	718.8	685.7
40°	734.8	622.8	626.2	669.7	605.7
42.5°	696.0	587.4	592.0	604.6	546.2
45°	653.7	553.1	556.5	510.9	500.6
47.5°	606.8	517.7	518.9	424.0	485.7
50°	550.8	481.1	476.5	363.4	484.5
52.5°	501.7	441.1	427.4	329.1	440.0
55°	453.7	398.8	369.1	302.8	407.9
57.5°	411.4	344.0	315.4	272.0	401.1
60°	372.6	290.3	268.6	238.8	368.0
62.5°	340.5	250.2	245.7	216.0	333.7
65°	306.3	222.9	221.7	196.6	283.4
67.5°	273.2	204.6	203.5	178.2	216.0
70°	237.7	185.1	182.8	158.8	160.0
72.5°	201.2	163.4	161.1	142.9	132.6
75°	164.5	138.3	137.2	124.6	107.4
77.5°	129.2	109.7	112.0	100.5	78.9
80°	92.5	80.0	82.3	72.0	59.4
82.5°	61.7	52.6	54.9	45.8	40.0
85°	34.3	29.7	30.8	24.0	18.3
87.5°	16.0	13.7	13.7	9.1	5.7
90°	38.9	24.7	22.9	15.9	8.9
92.5°	239.4	170.3	155.3	95.3	35.3
95°	589.1	331.8	304.3	194.5	84.7
97.5°	793.5	364.4	340.2	243.3	146.5
100°	867.8	391.7	369.8	281.9	194.1
102.5°	902.0	419.1	398.6	316.6	234.6
105°	927.2	459.7	442.3	372.9	303.5
107.5°	931.9	519.6	503.4	438.8	374.1
110°	924.9	553.2	538.6	480.2	421.7



TEST NUMBER: P935472

CATALOG NUMBER: SQ4-FA-125U-050D-935-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	925.2	593.8	579.9	524.2	468.5
115°	933.7	654.6	641.7	590.4	539.1
117.5°	951.1	713.7	702.0	655.4	608.8
120°	965.1	748.1	737.2	693.3	649.3
122.5°	985.4	788.7	777.6	733.3	689.0
125°	1012.8	840.8	830.7	790.3	749.9
127.5°	1040.2	891.1	880.9	840.2	799.3
130°	1060.1	924.6	913.6	869.7	825.8
132.5°	1076.3	951.9	940.9	897.1	853.1
135°	1094.0	983.7	973.8	933.7	893.7
137.5°	1120.5	1024.3	1014.4	974.8	935.2
140°	1136.7	1051.6	1042.5	1006.0	969.6
142.5°	1150.1	1071.9	1063.5	1029.8	996.1
145°	1167.8	1102.8	1095.5	1066.0	1036.6
147.5°	1193.7	1141.7	1134.5	1105.9	1077.3
150°	1207.2	1162.0	1155.5	1129.6	1103.7
152.5°	1216.1	1175.2	1170.2	1150.6	1131.0
155°	1235.5	1204.3	1200.6	1186.2	1171.7
157.5°	1254.8	1233.4	1229.9	1215.7	1201.7
160°	1263.7	1246.6	1243.9	1232.9	1221.9
162.5°	1273.1	1260.7	1258.7	1250.4	1242.2
165°	1286.6	1281.1	1279.2	1271.8	1264.3
167.5°	1297.2	1292.5	1291.6	1288.1	1284.6
170°	1306.0	1305.8	1304.9	1301.3	1297.8
172.5°	1306.6	1306.6	1306.5	1305.6	1304.8
175°	1311.9	1314.6	1314.6	1314.6	1314.6
177.5°	1312.5	1314.6	1314.6	1314.6	1314.6
180°	1314.6	1314.6	1314.6	1314.6	1314.6



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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	8.14	8.83	9.27	9.95	11.52	10.98	11.66	12.11	12.79	14.35
	3H	8.60	9.22	9.74	10.35	11.93	12.31	12.93	13.45	14.06	15.64
	4H	8.79	9.37	9.94	10.50	12.09	12.75	13.33	13.90	14.47	16.05
	6H	8.90	9.43	10.05	10.57	12.17	13.03	13.56	14.18	14.70	16.30
	8H	8.89	9.40	10.05	10.55	12.14	13.10	13.61	14.26	14.76	16.35
	12H	8.86	9.34	10.02	10.48	12.10	13.13	13.62	14.30	14.76	16.37
4H	2H	9.15	9.74	10.31	10.87	12.46	11.36	11.95	12.52	13.08	14.67
	3H	10.16	10.65	11.33	11.81	13.41	12.86	13.34	14.02	14.50	16.10
	4H	10.43	10.88	11.60	12.03	13.65	13.38	13.83	14.54	14.97	16.59
	6H	10.55	10.93	11.72	12.10	13.71	13.74	14.12	14.91	15.29	16.90
	8H	10.55	10.91	11.72	12.07	13.69	13.84	14.20	15.01	15.36	16.98
	12H	10.51	10.83	11.69	12.00	13.63	13.89	14.21	15.07	15.39	17.02
8H	4H	10.87	11.23	12.04	12.39	14.02	13.49	13.85	14.66	15.01	16.63
	6H	11.13	11.42	12.32	12.62	14.25	13.92	14.21	15.11	15.42	17.04
	8H	11.17	11.42	12.36	12.61	14.25	14.07	14.33	15.27	15.51	17.15
	12H	11.14	11.37	12.34	12.55	14.22	14.16	14.39	15.36	15.57	17.24
12H	4H	10.87	11.19	12.06	12.37	14.00	13.44	13.77	14.63	14.94	16.57
	6H	11.19	11.44	12.38	12.62	14.27	13.91	14.17	15.11	15.35	17.00
	8H	11.24	11.47	12.44	12.65	14.32	14.07	14.29	15.27	15.47	17.15