

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: P935575

Luminaire Tested: SQ4-FA-125U-075D-940-1D-UNV-STD-W-6

Issue Date: 12/17/2024

**Test Information**

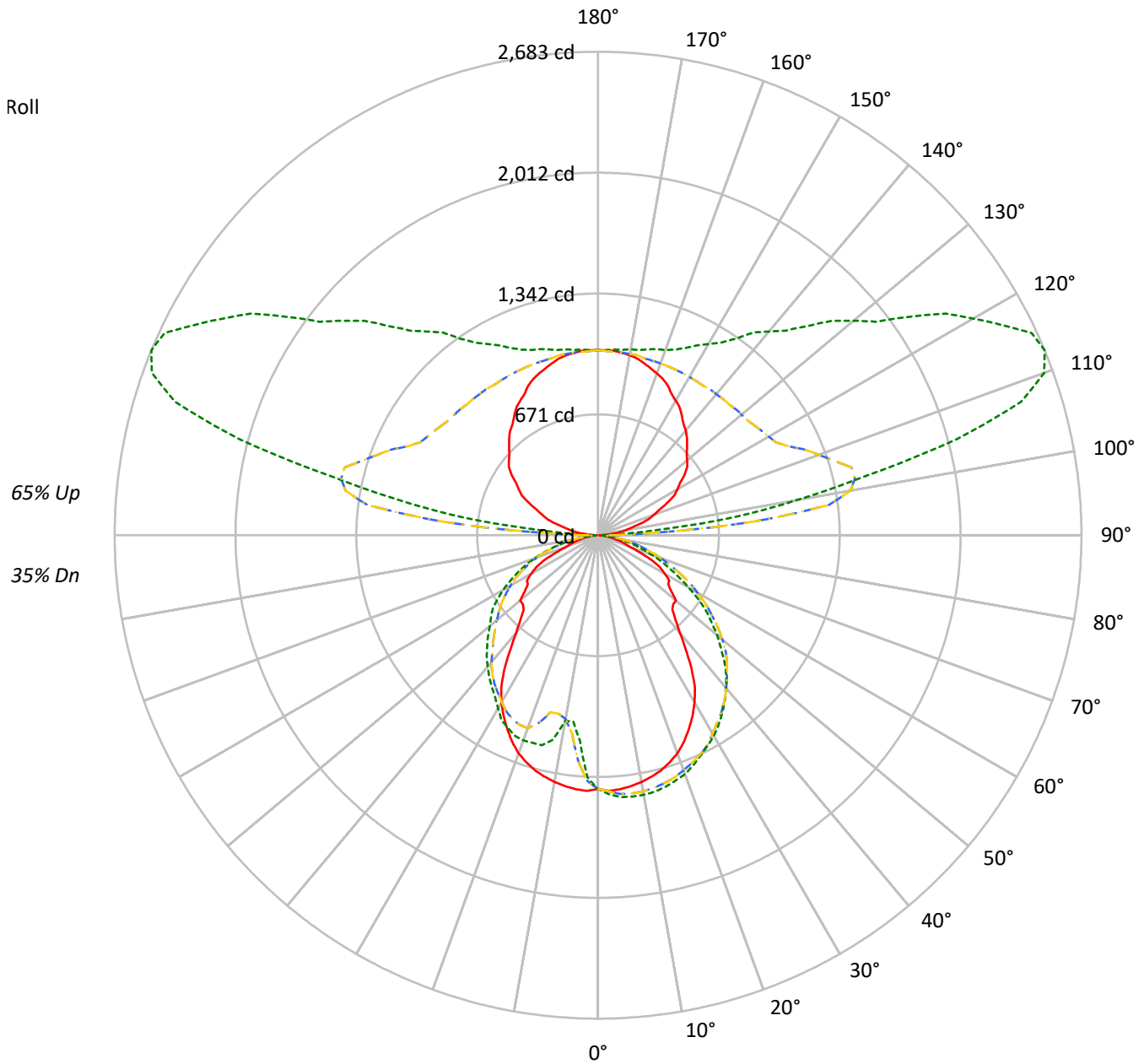
Test Method: LM-79-2019  
Report Number: P935575  
REPORT IS A COMBINATION OF REPORTS P933759 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-075D-940-1D-UNV-STD-W-6  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10315.8 lumens  
Efficiency: N/A  
Efficacy: 123.7 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')  
CIE Type: Semi-Indirect  
  
Input Watts (W): 83.4  
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

TEST NUMBER: P935575  
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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	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35				35
1	95	90	87	83	85	82	79	76	66	64	62	51	50	49	38	37	36	30				30
2	86	79	73	68	78	72	66	62	58	54	51	45	43	41	33	32	30	25				25
3	78	69	62	56	71	63	57	52	51	47	43	40	37	34	29	28	26	21				21
4	72	61	54	48	65	56	49	44	45	40	36	35	32	29	26	24	22	18				18
5	66	54	46	41	59	50	43	38	40	35	31	32	28	25	24	21	19	16				16
6	60	49	41	35	54	44	37	32	36	31	27	29	25	22	21	19	17	14				14
7	56	44	36	31	50	40	33	28	33	28	24	26	22	19	20	17	15	12				12
8	52	40	32	27	47	36	30	25	30	25	21	24	20	17	18	15	13	11				11
9	48	36	29	24	43	33	27	22	27	22	19	22	18	15	16	14	12	10				10
10	45	33	26	21	41	30	24	20	25	20	17	20	16	14	15	13	11	9				9

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	8709	8709	8709	8709
5°	8772	8792	8772	6913
10°	8710	8660	8710	6192
15°	8611	8473	8611	7075
20°	8428	8251	8428	7090
25°	8057	7926	8057	6940
30°	7577	7657	7577	6610
35°	6751	7317	6751	6247
40°	5623	6916	5623	5973
45°	5020	6447	5020	5658
50°	5330	5887	5330	5342
55°	5009	5285	5009	5160
60°	5158	4488	5158	4726
65°	4668	3710	4668	4147
70°	3226	2956	3226	3476
75°	2817	2185	2817	2617
80°	2256	1445	2256	1573
85°	1270	766	1270	651

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 7700 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	127.1	1.2
10°-20°	360.8	3.5
20°-30°	557.8	5.4
30°-40°	665.9	6.5
40°-50°	669.8	6.5
50°-60°	582.8	5.6
60°-70°	413.2	4.0
70°-80°	218.6	2.1
80°-90°	58.4	0.6
90°-100°	500.9	4.9
100°-110°	1316.9	12.8
110°-120°	1365.4	13.2
120°-130°	1095.3	10.6
130°-140°	859.4	8.3
140°-150°	659.6	6.4
150°-160°	475.0	4.6
160°-170°	290.7	2.8
170°-180°	98.2	1.0
0°-30°	1045.7	10.1
0°-40°	1711.6	16.6
0°-60°	2964.2	28.7
0°-90°	3654.4	35.4
90°-120°	3183.2	30.9
90°-150°	5797.5	56.2
90°-180°	6661.0	64.6
0°-180°	10315.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1408	1408	1408	1408	1408	
5°	1415	1458	1415	1147	1415	134
15°	1351	1445	1351	1207	1351	380
25°	1190	1348	1190	1180	1190	546
35°	904	1203	904	1027	904	560
45°	583	991	583	870	583	467
55°	476	731	476	714	476	437
65°	330	441	330	493	330	316
75°	125	209	125	250	125	132
85°	21	53	21	45	21	29
90°	7	26	7	26	7	7
95°	66	303	66	303	66	74
105°	237	2062	237	2062	237	252
115°	421	2655	421	2655	421	416
125°	586	2114	586	2114	586	520
135°	699	1641	699	1641	699	541
145°	810	1331	810	1331	810	508
155°	916	1146	916	1146	916	421
165°	988	1068	988	1068	988	279
175°	1028	1034	1028	1034	1028	98
180°	1028	1028	1028	1028	1028	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9
2.5°	1419.9	1419.9	1427.9	1430.6	1430.6	1426.6	1422.6	1426.6	1438.6	1442.6	1441.2
5°	1414.6	1425.2	1439.9	1442.6	1445.2	1443.9	1441.2	1443.9	1457.2	1459.9	1461.2
7.5°	1403.9	1423.9	1442.6	1446.6	1450.5	1446.6	1445.2	1447.9	1461.2	1463.9	1463.9
10°	1390.6	1418.6	1439.9	1442.6	1446.6	1442.6	1442.6	1447.9	1461.2	1463.9	1465.2
12.5°	1372.0	1410.6	1430.6	1433.2	1438.6	1437.2	1435.9	1441.2	1454.5	1457.2	1457.2
15°	1350.6	1395.9	1414.6	1417.2	1426.6	1423.9	1423.9	1429.2	1443.9	1447.9	1446.6
17.5°	1321.3	1377.3	1398.6	1402.6	1409.3	1407.9	1409.3	1414.6	1427.9	1430.6	1431.9
20°	1288.0	1352.0	1377.3	1381.3	1387.9	1387.9	1387.9	1394.6	1407.9	1413.3	1413.3
22.5°	1242.8	1325.3	1352.0	1354.6	1362.6	1362.6	1365.3	1374.6	1386.6	1387.9	1387.9
25°	1189.5	1296.0	1318.7	1326.7	1334.7	1338.7	1342.7	1348.0	1352.0	1350.6	1352.0
27.5°	1133.5	1258.7	1288.0	1293.4	1304.0	1308.0	1313.4	1314.7	1316.0	1320.0	1317.3
30°	1070.9	1206.8	1250.7	1256.1	1273.4	1276.1	1270.7	1273.4	1280.1	1282.7	1285.4
32.5°	1000.3	1129.5	1212.1	1224.1	1240.1	1232.1	1230.8	1234.8	1245.4	1245.4	1248.1
35°	904.4	1069.6	1176.2	1186.8	1198.8	1189.5	1194.8	1196.1	1202.8	1206.8	1205.5
37.5°	799.2	1017.6	1138.9	1146.9	1156.2	1144.2	1152.2	1156.2	1161.5	1158.8	1158.8
40°	706.0	936.4	1094.9	1100.2	1108.2	1098.9	1106.9	1109.6	1112.2	1109.6	1108.2
42.5°	636.7	847.2	1048.3	1054.9	1049.6	1056.3	1058.9	1064.3	1060.3	1054.9	1054.9
45°	583.4	823.2	997.7	1005.7	997.7	1008.3	1012.3	1012.3	1000.3	997.7	996.3
47.5°	566.1	775.2	947.1	947.1	943.1	956.4	963.0	953.7	941.7	937.7	937.7
50°	564.8	721.9	877.8	872.5	891.1	907.1	900.4	891.1	881.8	867.1	867.1
52.5°	512.8	656.7	788.5	808.5	837.8	847.2	836.5	827.2	811.2	804.5	799.2
55°	475.5	588.7	707.3	747.3	777.9	789.9	769.9	760.6	736.6	732.6	729.9
57.5°	467.5	490.2	632.7	683.3	720.6	719.3	707.3	690.0	670.0	666.0	664.7
60°	428.9	354.3	552.8	612.7	651.3	647.4	636.7	620.7	602.1	599.4	596.7
62.5°	388.9	257.1	462.2	530.1	584.7	583.4	574.1	550.1	536.8	530.1	524.8
65°	330.3	215.8	329.0	440.9	519.5	522.1	502.2	484.8	470.2	462.2	460.9
67.5°	251.7	175.8	222.4	367.6	456.9	454.2	428.9	420.9	402.3	398.3	390.3
70°	186.5	117.2	154.5	298.4	395.6	388.9	369.0	359.6	342.3	333.0	327.7
72.5°	154.5	94.6	113.2	231.8	333.0	325.0	307.7	297.0	282.4	274.4	269.1
75°	125.2	99.9	86.6	171.8	270.4	265.1	249.1	238.4	226.4	215.8	217.1
77.5°	91.9	93.2	69.3	126.5	214.5	206.5	197.1	183.8	178.5	167.8	167.8
80°	69.3	73.3	51.9	86.6	154.5	154.5	146.5	137.2	127.9	122.5	122.5
82.5°	46.6	46.6	38.6	54.6	105.2	101.2	95.9	93.2	87.9	85.2	85.2
85°	21.3	26.6	24.0	33.3	57.3	59.9	59.9	57.3	55.9	53.3	54.6
87.5°	6.7	12.0	14.7	18.6	29.3	30.6	32.0	32.0	32.0	33.3	33.3
90°	6.9	12.4	17.9	19.3	30.3	45.0	52.4	46.5	34.9	26.2	26.2
92.5°	27.6	74.5	121.4	133.1	187.1	259.1	295.2	258.7	185.8	131.1	125.8
95°	66.2	152.0	237.8	259.3	460.4	728.7	862.8	769.9	584.1	444.8	429.0
97.5°	114.5	190.1	265.9	284.8	620.2	1067.5	1291.1	1232.4	1115.0	1026.9	996.9
100°	151.8	220.4	289.0	306.2	678.3	1174.6	1422.8	1427.0	1435.6	1442.0	1406.2
102.5°	183.5	247.5	311.6	327.6	705.1	1208.3	1460.0	1534.7	1684.4	1796.5	1765.9
105°	237.3	291.5	345.7	359.3	724.8	1212.2	1455.9	1623.5	1958.8	2210.3	2193.8
107.5°	292.4	342.9	393.6	406.2	728.5	1158.2	1373.1	1607.0	2074.7	2425.5	2429.5
110°	329.6	375.3	420.9	432.4	722.9	1110.4	1304.1	1565.5	2088.5	2480.7	2497.9



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	366.2	409.7	453.2	464.2	723.2	1068.6	1241.3	1508.9	2044.1	2445.5	2471.8
115°	421.4	461.5	501.7	511.8	729.9	1020.8	1166.2	1424.0	1939.6	2326.2	2362.8
117.5°	475.9	512.4	548.8	557.9	743.4	990.7	1114.4	1347.1	1812.4	2161.4	2201.9
120°	507.6	541.9	576.2	584.8	754.4	980.6	1093.7	1306.3	1731.4	2050.3	2089.7
122.5°	538.7	573.3	607.9	616.5	770.3	975.4	1077.9	1269.4	1652.2	1939.3	1978.1
125°	586.2	617.8	649.3	657.2	791.7	971.0	1060.7	1223.3	1548.5	1792.4	1828.2
127.5°	624.8	656.7	688.6	696.5	813.1	968.5	1046.2	1185.8	1465.1	1674.5	1704.7
130°	645.5	679.9	714.1	722.7	828.7	970.0	1040.6	1165.0	1413.5	1600.0	1627.9
132.5°	666.9	701.3	735.5	744.1	841.4	971.0	1035.9	1147.1	1369.7	1536.5	1561.5
135°	698.6	729.8	761.1	768.9	855.1	970.1	1027.6	1120.7	1307.1	1446.9	1468.4
137.5°	731.0	762.0	793.0	800.7	875.8	976.1	1026.2	1104.9	1262.5	1380.7	1398.2
140°	757.9	786.4	814.9	822.0	888.4	977.1	1021.4	1089.4	1225.5	1327.6	1344.1
142.5°	778.6	805.0	831.3	837.9	899.1	980.6	1021.4	1081.1	1200.7	1290.4	1304.6
145°	810.3	833.3	856.3	862.1	912.9	980.6	1014.5	1063.4	1161.1	1234.5	1245.2
147.5°	842.1	864.5	886.8	892.4	933.1	987.4	1014.5	1052.9	1129.9	1187.6	1196.5
150°	862.8	883.0	903.2	908.2	943.7	990.8	1014.5	1047.0	1112.0	1160.7	1167.9
152.5°	884.1	899.5	914.8	918.6	950.6	993.1	1014.5	1042.2	1097.7	1139.3	1144.7
155°	915.9	927.2	938.5	941.4	965.7	998.2	1014.5	1036.6	1080.7	1113.8	1117.5
157.5°	939.3	950.3	961.3	964.1	980.9	1003.3	1014.5	1031.6	1066.0	1091.7	1094.2
160°	955.1	963.7	972.4	974.5	987.8	1005.6	1014.5	1029.2	1058.6	1080.7	1082.1
162.5°	971.0	977.4	983.9	985.5	995.2	1008.1	1014.5	1026.9	1051.7	1070.3	1071.7
165°	988.3	994.1	1000.0	1001.4	1005.7	1011.5	1014.5	1023.3	1041.2	1054.5	1055.9
167.5°	1004.2	1006.9	1009.7	1010.4	1014.0	1018.9	1021.4	1027.2	1038.9	1047.6	1048.2
170°	1014.5	1017.2	1020.0	1020.7	1020.9	1021.2	1021.4	1027.2	1038.9	1047.6	1047.6
172.5°	1020.0	1020.6	1021.2	1021.4	1021.4	1021.4	1021.4	1026.0	1035.1	1042.1	1041.5
175°	1027.6	1027.6	1027.6	1027.6	1025.6	1022.8	1021.4	1024.3	1030.2	1034.5	1034.5
177.5°	1027.6	1027.6	1027.6	1027.6	1026.0	1023.8	1022.7	1025.0	1029.6	1033.1	1032.5
180°	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9
2.5°	1443.9	1439.9	1443.9	1441.2	1442.6	1438.6	1426.6	1422.6	1426.6	1430.6	1430.6
5°	1461.2	1458.5	1461.2	1461.2	1459.9	1457.2	1443.9	1441.2	1443.9	1445.2	1442.6
7.5°	1466.5	1462.5	1466.5	1463.9	1463.9	1461.2	1447.9	1445.2	1446.6	1450.5	1446.6
10°	1466.5	1462.5	1466.5	1465.2	1463.9	1461.2	1447.9	1442.6	1442.6	1446.6	1442.6
12.5°	1459.9	1457.2	1459.9	1457.2	1457.2	1454.5	1441.2	1435.9	1437.2	1438.6	1433.2
15°	1449.2	1445.2	1449.2	1446.6	1447.9	1443.9	1429.2	1423.9	1423.9	1426.6	1417.2
17.5°	1433.2	1427.9	1433.2	1431.9	1430.6	1427.9	1414.6	1409.3	1407.9	1409.3	1402.6
20°	1414.6	1410.6	1414.6	1413.3	1413.3	1407.9	1394.6	1387.9	1387.9	1387.9	1381.3
22.5°	1385.3	1381.3	1385.3	1387.9	1387.9	1386.6	1374.6	1365.3	1362.6	1362.6	1354.6
25°	1352.0	1348.0	1352.0	1352.0	1350.6	1352.0	1348.0	1342.7	1338.7	1334.7	1326.7
27.5°	1320.0	1317.3	1320.0	1317.3	1320.0	1316.0	1314.7	1313.4	1308.0	1304.0	1293.4
30°	1288.0	1285.4	1288.0	1285.4	1282.7	1280.1	1273.4	1270.7	1276.1	1273.4	1256.1
32.5°	1248.1	1245.4	1248.1	1248.1	1245.4	1245.4	1234.8	1230.8	1232.1	1240.1	1224.1
35°	1206.8	1202.8	1206.8	1205.5	1206.8	1202.8	1196.1	1194.8	1189.5	1198.8	1186.8
37.5°	1158.8	1154.8	1158.8	1158.8	1158.8	1161.5	1156.2	1152.2	1144.2	1156.2	1146.9
40°	1109.6	1104.2	1109.6	1108.2	1109.6	1112.2	1109.6	1106.9	1098.9	1108.2	1100.2
42.5°	1053.6	1052.3	1053.6	1054.9	1054.9	1060.3	1064.3	1058.9	1056.3	1049.6	1054.9
45°	993.7	991.0	993.7	996.3	997.7	1000.3	1012.3	1012.3	1008.3	997.7	1005.7
47.5°	929.7	923.1	929.7	937.7	937.7	941.7	953.7	963.0	956.4	943.1	947.1
50°	861.8	863.1	861.8	867.1	867.1	881.8	891.1	900.4	907.1	891.1	872.5
52.5°	795.2	793.9	795.2	799.2	804.5	811.2	827.2	836.5	847.2	837.8	808.5
55°	728.6	731.3	728.6	729.9	732.6	736.6	760.6	769.9	789.9	777.9	747.3
57.5°	662.0	658.0	662.0	664.7	666.0	670.0	690.0	707.3	719.3	720.6	683.3
60°	584.7	579.4	584.7	596.7	599.4	602.1	620.7	636.7	647.4	651.3	612.7
62.5°	516.8	507.5	516.8	524.8	530.1	536.8	550.1	574.1	583.4	584.7	530.1
65°	444.9	440.9	444.9	460.9	462.2	470.2	484.8	502.2	522.1	519.5	440.9
67.5°	379.6	379.6	379.6	390.3	398.3	402.3	420.9	428.9	454.2	456.9	367.6
70°	319.7	318.3	319.7	327.7	333.0	342.3	359.6	369.0	388.9	395.6	298.4
72.5°	262.4	261.1	262.4	269.1	274.4	282.4	297.0	307.7	325.0	333.0	231.8
75°	211.8	209.1	211.8	217.1	215.8	226.4	238.4	249.1	265.1	270.4	171.8
77.5°	162.5	162.5	162.5	167.8	167.8	178.5	183.8	197.1	206.5	214.5	126.5
80°	121.2	119.9	121.2	122.5	122.5	127.9	137.2	146.5	154.5	154.5	86.6
82.5°	85.2	82.6	85.2	85.2	85.2	87.9	93.2	95.9	101.2	105.2	54.6
85°	53.3	53.3	53.3	54.6	53.3	55.9	57.3	59.9	59.9	57.3	33.3
87.5°	34.6	33.3	34.6	33.3	33.3	32.0	32.0	32.0	30.6	29.3	18.6
90°	26.2	26.2	26.2	26.2	26.2	34.9	46.5	52.4	45.0	30.3	19.3
92.5°	105.0	84.1	105.0	125.8	131.1	185.8	258.7	295.2	259.1	187.1	133.1
95°	365.9	302.7	365.9	429.0	444.8	584.1	769.9	862.8	728.7	460.4	259.3
97.5°	876.7	756.6	876.7	996.9	1026.9	1115.0	1232.4	1291.1	1067.5	620.2	284.8
100°	1263.2	1120.0	1263.2	1406.2	1442.0	1435.6	1427.0	1422.8	1174.6	678.3	306.2
102.5°	1643.2	1520.7	1643.2	1765.9	1796.5	1684.4	1534.7	1460.0	1208.3	705.1	327.6
105°	2127.9	2062.0	2127.9	2193.8	2210.3	1958.8	1623.5	1455.9	1212.2	724.8	359.3
107.5°	2445.4	2461.4	2445.4	2429.5	2425.5	2074.7	1607.0	1373.1	1158.2	728.5	406.2
110°	2566.5	2635.1	2566.5	2497.9	2480.7	2088.5	1565.5	1304.1	1110.4	722.9	432.4





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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2577.2	2682.7	2577.2	2471.8	2445.5	2044.1	1508.9	1241.3	1068.6	723.2	464.2
115°	2509.0	2655.1	2509.0	2362.8	2326.2	1939.6	1424.0	1166.2	1020.8	729.9	511.8
117.5°	2364.0	2526.2	2364.0	2201.9	2161.4	1812.4	1347.1	1114.4	990.7	743.4	557.9
120°	2247.3	2404.8	2247.3	2089.7	2050.3	1731.4	1306.3	1093.7	980.6	754.4	584.8
122.5°	2133.5	2288.9	2133.5	1978.1	1939.3	1652.2	1269.4	1077.9	975.4	770.3	616.5
125°	1971.4	2114.5	1971.4	1828.2	1792.4	1548.5	1223.3	1060.7	971.0	791.7	657.2
127.5°	1825.5	1946.2	1825.5	1704.7	1674.5	1465.1	1185.8	1046.2	968.5	813.1	696.5
130°	1739.5	1851.0	1739.5	1627.9	1600.0	1413.5	1165.0	1040.6	970.0	828.7	722.7
132.5°	1661.4	1761.3	1661.4	1561.5	1536.5	1369.7	1147.1	1035.9	971.0	841.4	744.1
135°	1554.5	1640.7	1554.5	1468.4	1446.9	1307.1	1120.7	1027.6	970.1	855.1	768.9
137.5°	1468.8	1539.3	1468.8	1398.2	1380.7	1262.5	1104.9	1026.2	976.1	875.8	800.7
140°	1410.0	1475.9	1410.0	1344.1	1327.6	1225.5	1089.4	1021.4	977.1	888.4	822.0
142.5°	1361.2	1418.0	1361.2	1304.6	1290.4	1200.7	1081.1	1021.4	980.6	899.1	837.9
145°	1288.1	1331.0	1288.1	1245.2	1234.5	1161.1	1063.4	1014.5	980.6	912.9	862.1
147.5°	1232.1	1267.6	1232.1	1196.5	1187.6	1129.9	1052.9	1014.5	987.4	933.1	892.4
150°	1196.8	1225.5	1196.8	1167.9	1160.7	1112.0	1047.0	1014.5	990.8	943.7	908.2
152.5°	1166.5	1188.2	1166.5	1144.7	1139.3	1097.7	1042.2	1014.5	993.1	950.6	918.6
155°	1131.8	1146.2	1131.8	1117.5	1113.8	1080.7	1036.6	1014.5	998.2	965.7	941.4
157.5°	1104.3	1114.4	1104.3	1094.2	1091.7	1066.0	1031.6	1014.5	1003.3	980.9	964.1
160°	1088.0	1093.7	1088.0	1082.1	1080.7	1058.6	1029.2	1014.5	1005.6	987.8	974.5
162.5°	1077.2	1082.7	1077.2	1071.7	1070.3	1051.7	1026.9	1014.5	1008.1	995.2	985.5
165°	1061.8	1067.6	1061.8	1055.9	1054.5	1041.2	1023.3	1014.5	1011.5	1005.7	1001.4
167.5°	1050.6	1053.1	1050.6	1048.2	1047.6	1038.9	1027.2	1021.4	1018.9	1014.0	1010.4
170°	1047.6	1047.6	1047.6	1047.6	1047.6	1038.9	1027.2	1021.4	1021.2	1020.9	1020.7
172.5°	1039.4	1037.3	1039.4	1041.5	1042.1	1035.1	1026.0	1021.4	1021.4	1021.4	1021.4
175°	1034.5	1034.5	1034.5	1034.5	1034.5	1030.2	1024.3	1021.4	1022.8	1025.6	1027.6
177.5°	1030.1	1027.6	1030.1	1032.5	1033.1	1029.6	1025.0	1022.7	1023.8	1026.0	1027.6
180°	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6



TEST NUMBER: P935575

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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9
2.5°	1427.9	1419.9	1419.9	1406.6	1401.3	1397.3	1390.6	1370.6	1365.3	1360.0	1368.0
5°	1439.9	1425.2	1414.6	1390.6	1370.6	1362.6	1337.3	1289.4	1257.4	1233.4	1220.1
7.5°	1442.6	1423.9	1403.9	1366.6	1318.7	1297.4	1220.1	1132.2	1108.2	1086.9	1073.6
10°	1439.9	1418.6	1390.6	1334.7	1221.4	1184.1	1106.9	1049.6	1035.0	1031.0	1035.0
12.5°	1430.6	1410.6	1372.0	1278.7	1120.2	1094.9	1049.6	1016.3	1013.7	1020.3	1056.3
15°	1414.6	1395.9	1350.6	1204.1	1064.3	1045.6	1013.7	1001.7	1016.3	1062.9	1170.8
17.5°	1398.6	1377.3	1321.3	1130.9	1021.6	1008.3	985.7	1009.7	1092.2	1154.8	1190.8
20°	1377.3	1352.0	1288.0	1077.6	991.0	979.0	968.4	1076.3	1138.9	1161.5	1181.5
22.5°	1352.0	1325.3	1242.8	1040.3	959.0	949.7	956.4	1113.6	1138.9	1154.8	1172.2
25°	1318.7	1296.0	1189.5	1011.0	933.7	923.1	948.4	1109.6	1124.2	1128.2	1162.8
27.5°	1288.0	1258.7	1133.5	984.3	903.1	899.1	955.0	1092.2	1102.9	1106.9	1144.2
30°	1250.7	1206.8	1070.9	956.4	871.1	869.8	956.4	1070.9	1068.3	1078.9	1116.2
32.5°	1212.1	1129.5	1000.3	921.7	840.5	839.2	947.1	1039.0	1036.3	1050.9	1078.9
35°	1176.2	1069.6	904.4	881.8	801.9	803.2	924.4	1001.7	1003.0	1016.3	1033.6
37.5°	1138.9	1017.6	799.2	837.8	764.6	764.6	893.8	967.0	964.4	968.4	992.3
40°	1094.9	936.4	706.0	780.6	729.9	725.9	856.5	929.7	920.4	919.1	952.4
42.5°	1048.3	847.2	636.7	704.6	690.0	684.6	811.2	884.4	867.1	871.1	913.8
45°	997.7	823.2	583.4	595.4	648.7	644.7	761.9	832.5	820.5	831.2	875.1
47.5°	947.1	775.2	566.1	494.2	604.7	603.4	707.3	781.9	775.2	785.9	832.5
50°	877.8	721.9	564.8	423.6	555.4	560.8	642.0	732.6	732.6	741.9	791.2
52.5°	788.5	656.7	512.8	383.6	498.2	514.2	584.7	690.0	692.6	702.0	745.9
55°	707.3	588.7	475.5	353.0	430.2	464.9	528.8	646.0	651.3	660.7	700.6
57.5°	632.7	490.2	467.5	317.0	367.6	400.9	479.5	603.4	606.1	614.1	652.7
60°	552.8	354.3	428.9	278.4	313.0	338.3	434.2	552.8	562.1	567.4	600.7
62.5°	462.2	257.1	388.9	251.7	286.4	291.7	396.9	504.8	516.8	520.8	540.8
65°	329.0	215.8	330.3	229.1	258.4	259.7	357.0	455.5	466.2	472.9	487.5
67.5°	222.4	175.8	251.7	207.8	237.1	238.4	318.3	398.3	412.9	418.2	427.6
70°	154.5	117.2	186.5	185.1	213.1	215.8	277.1	346.3	359.6	363.6	369.0
72.5°	113.2	94.6	154.5	166.5	187.8	190.5	234.4	287.7	301.0	305.0	307.7
75°	86.6	99.9	125.2	145.2	159.8	161.2	191.8	234.4	243.8	246.4	247.8
77.5°	69.3	93.2	91.9	117.2	130.5	127.9	150.5	181.2	189.1	189.1	189.1
80°	51.9	73.3	69.3	83.9	95.9	93.2	107.9	129.2	131.9	134.5	133.2
82.5°	38.6	46.6	46.6	53.3	63.9	61.3	71.9	83.9	83.9	83.9	86.6
85°	24.0	26.6	21.3	28.0	36.0	34.6	40.0	45.3	46.6	46.6	44.0
87.5°	14.7	12.0	6.7	10.7	16.0	16.0	18.6	20.0	18.6	18.6	18.6
90°	17.9	12.4	6.9	12.4	17.9	19.3	30.3	45.0	52.4	46.5	34.9
92.5°	121.4	74.5	27.6	74.5	121.4	133.1	187.1	259.1	295.2	258.7	185.8
95°	237.8	152.0	66.2	152.0	237.8	259.3	460.4	728.7	862.8	769.9	584.1
97.5°	265.9	190.1	114.5	190.1	265.9	284.8	620.2	1067.5	1291.1	1232.4	1115.0
100°	289.0	220.4	151.8	220.4	289.0	306.2	678.3	1174.6	1422.8	1427.0	1435.6
102.5°	311.6	247.5	183.5	247.5	311.6	327.6	705.1	1208.3	1460.0	1534.7	1684.4
105°	345.7	291.5	237.3	291.5	345.7	359.3	724.8	1212.2	1455.9	1623.5	1958.8
107.5°	393.6	342.9	292.4	342.9	393.6	406.2	728.5	1158.2	1373.1	1607.0	2074.7
110°	420.9	375.3	329.6	375.3	420.9	432.4	722.9	1110.4	1304.1	1565.5	2088.5



TEST NUMBER: P935575

CATALOG NUMBER: SQ4-FA-125U-075D-940-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	453.2	409.7	366.2	409.7	453.2	464.2	723.2	1068.6	1241.3	1508.9	2044.1
115°	501.7	461.5	421.4	461.5	501.7	511.8	729.9	1020.8	1166.2	1424.0	1939.6
117.5°	548.8	512.4	475.9	512.4	548.8	557.9	743.4	990.7	1114.4	1347.1	1812.4
120°	576.2	541.9	507.6	541.9	576.2	584.8	754.4	980.6	1093.7	1306.3	1731.4
122.5°	607.9	573.3	538.7	573.3	607.9	616.5	770.3	975.4	1077.9	1269.4	1652.2
125°	649.3	617.8	586.2	617.8	649.3	657.2	791.7	971.0	1060.7	1223.3	1548.5
127.5°	688.6	656.7	624.8	656.7	688.6	696.5	813.1	968.5	1046.2	1185.8	1465.1
130°	714.1	679.9	645.5	679.9	714.1	722.7	828.7	970.0	1040.6	1165.0	1413.5
132.5°	735.5	701.3	666.9	701.3	735.5	744.1	841.4	971.0	1035.9	1147.1	1369.7
135°	761.1	729.8	698.6	729.8	761.1	768.9	855.1	970.1	1027.6	1120.7	1307.1
137.5°	793.0	762.0	731.0	762.0	793.0	800.7	875.8	976.1	1026.2	1104.9	1262.5
140°	814.9	786.4	757.9	786.4	814.9	822.0	888.4	977.1	1021.4	1089.4	1225.5
142.5°	831.3	805.0	778.6	805.0	831.3	837.9	899.1	980.6	1021.4	1081.1	1200.7
145°	856.3	833.3	810.3	833.3	856.3	862.1	912.9	980.6	1014.5	1063.4	1161.1
147.5°	886.8	864.5	842.1	864.5	886.8	892.4	933.1	987.4	1014.5	1052.9	1129.9
150°	903.2	883.0	862.8	883.0	903.2	908.2	943.7	990.8	1014.5	1047.0	1112.0
152.5°	914.8	899.5	884.1	899.5	914.8	918.6	950.6	993.1	1014.5	1042.2	1097.7
155°	938.5	927.2	915.9	927.2	938.5	941.4	965.7	998.2	1014.5	1036.6	1080.7
157.5°	961.3	950.3	939.3	950.3	961.3	964.1	980.9	1003.3	1014.5	1031.6	1066.0
160°	972.4	963.7	955.1	963.7	972.4	974.5	987.8	1005.6	1014.5	1029.2	1058.6
162.5°	983.9	977.4	971.0	977.4	983.9	985.5	995.2	1008.1	1014.5	1026.9	1051.7
165°	1000.0	994.1	988.3	994.1	1000.0	1001.4	1005.7	1011.5	1014.5	1023.3	1041.2
167.5°	1009.7	1006.9	1004.2	1006.9	1009.7	1010.4	1014.0	1018.9	1021.4	1027.2	1038.9
170°	1020.0	1017.2	1014.5	1017.2	1020.0	1020.7	1020.9	1021.2	1021.4	1027.2	1038.9
172.5°	1021.2	1020.6	1020.0	1020.6	1021.2	1021.4	1021.4	1021.4	1021.4	1026.0	1035.1
175°	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1025.6	1022.8	1021.4	1024.3	1030.2
177.5°	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1026.0	1023.8	1022.7	1025.0	1029.6
180°	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6



TEST NUMBER: P935575  
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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9
2.5°	1358.6	1354.6	1360.0	1345.3	1360.0	1354.6	1358.6	1368.0	1360.0	1365.3	1370.6
5°	1192.1	1185.5	1164.2	1146.9	1164.2	1185.5	1192.1	1220.1	1233.4	1257.4	1289.4
7.5°	1065.6	1060.3	1054.9	1044.3	1054.9	1060.3	1065.6	1073.6	1086.9	1108.2	1132.2
10°	1037.6	1039.0	1047.0	1045.6	1047.0	1039.0	1037.6	1035.0	1031.0	1035.0	1049.6
12.5°	1109.6	1121.5	1165.5	1162.8	1165.5	1121.5	1109.6	1056.3	1020.3	1013.7	1016.3
15°	1192.1	1196.1	1205.5	1206.8	1205.5	1196.1	1192.1	1170.8	1062.9	1016.3	1001.7
17.5°	1200.1	1201.5	1208.1	1208.1	1208.1	1201.5	1200.1	1190.8	1154.8	1092.2	1009.7
20°	1193.5	1196.1	1209.5	1212.1	1209.5	1196.1	1193.5	1181.5	1161.5	1138.9	1076.3
22.5°	1190.8	1196.1	1206.8	1205.5	1206.8	1196.1	1190.8	1172.2	1154.8	1138.9	1113.6
25°	1177.5	1177.5	1178.8	1180.2	1178.8	1177.5	1177.5	1162.8	1128.2	1124.2	1109.6
27.5°	1149.5	1152.2	1160.2	1158.8	1160.2	1152.2	1149.5	1144.2	1106.9	1102.9	1092.2
30°	1124.2	1121.5	1114.9	1109.6	1114.9	1121.5	1124.2	1116.2	1078.9	1068.3	1070.9
32.5°	1081.6	1074.9	1068.3	1064.3	1068.3	1074.9	1081.6	1078.9	1050.9	1036.3	1039.0
35°	1031.0	1032.3	1031.0	1027.0	1031.0	1032.3	1031.0	1033.6	1016.3	1003.0	1001.7
37.5°	995.0	997.7	996.3	991.0	996.3	997.7	995.0	992.3	968.4	964.4	967.0
40°	957.7	959.0	957.7	953.7	957.7	959.0	957.7	952.4	919.1	920.4	929.7
42.5°	921.7	920.4	916.4	913.8	916.4	920.4	921.7	913.8	871.1	867.1	884.4
45°	880.5	881.8	873.8	869.8	873.8	881.8	880.5	875.1	831.2	820.5	832.5
47.5°	839.2	839.2	832.5	828.5	832.5	839.2	839.2	832.5	785.9	775.2	781.9
50°	795.2	793.9	784.5	783.2	784.5	793.9	795.2	791.2	741.9	732.6	732.6
52.5°	744.6	744.6	745.9	748.6	745.9	744.6	744.6	745.9	702.0	692.6	690.0
55°	700.6	702.0	711.3	714.0	711.3	702.0	700.6	700.6	660.7	651.3	646.0
57.5°	655.3	655.3	662.0	662.0	662.0	655.3	655.3	652.7	614.1	606.1	603.4
60°	603.4	606.1	611.4	610.1	611.4	606.1	603.4	600.7	567.4	562.1	552.8
62.5°	548.8	551.4	552.8	550.1	552.8	551.4	548.8	540.8	520.8	516.8	504.8
65°	491.5	494.2	495.5	492.8	495.5	494.2	491.5	487.5	472.9	466.2	455.5
67.5°	432.9	431.6	430.2	435.6	430.2	431.6	432.9	427.6	418.2	412.9	398.3
70°	373.0	373.0	371.6	374.3	371.6	373.0	373.0	369.0	363.6	359.6	346.3
72.5°	309.0	307.7	313.0	309.0	313.0	307.7	309.0	307.7	305.0	301.0	287.7
75°	246.4	249.1	246.4	250.4	246.4	249.1	246.4	247.8	246.4	243.8	234.4
77.5°	187.8	190.5	187.8	187.8	187.8	190.5	187.8	189.1	189.1	189.1	181.2
80°	133.2	131.9	131.9	130.5	131.9	131.9	133.2	133.2	134.5	131.9	129.2
82.5°	85.2	83.9	83.9	86.6	83.9	83.9	85.2	86.6	83.9	83.9	83.9
85°	46.6	48.0	45.3	45.3	45.3	48.0	46.6	44.0	46.6	46.6	45.3
87.5°	17.3	16.0	16.0	16.0	16.0	16.0	17.3	18.6	18.6	18.6	20.0
90°	26.2	26.2	26.2	26.2	26.2	26.2	26.2	34.9	46.5	52.4	45.0
92.5°	131.1	125.8	105.0	84.1	105.0	125.8	131.1	185.8	258.7	295.2	259.1
95°	444.8	429.0	365.9	302.7	365.9	429.0	444.8	584.1	769.9	862.8	728.7
97.5°	1026.9	996.9	876.7	756.6	876.7	996.9	1026.9	1115.0	1232.4	1291.1	1067.5
100°	1442.0	1406.2	1263.2	1120.0	1263.2	1406.2	1442.0	1435.6	1427.0	1422.8	1174.6
102.5°	1796.5	1765.9	1643.2	1520.7	1643.2	1765.9	1796.5	1684.4	1534.7	1460.0	1208.3
105°	2210.3	2193.8	2127.9	2062.0	2127.9	2193.8	2210.3	1958.8	1623.5	1455.9	1212.2
107.5°	2425.5	2429.5	2445.4	2461.4	2445.4	2429.5	2425.5	2074.7	1607.0	1373.1	1158.2
110°	2480.7	2497.9	2566.5	2635.1	2566.5	2497.9	2480.7	2088.5	1565.5	1304.1	1110.4



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2445.5	2471.8	2577.2	2682.7	2577.2	2471.8	2445.5	2044.1	1508.9	1241.3	1068.6
115°	2326.2	2362.8	2509.0	2655.1	2509.0	2362.8	2326.2	1939.6	1424.0	1166.2	1020.8
117.5°	2161.4	2201.9	2364.0	2526.2	2364.0	2201.9	2161.4	1812.4	1347.1	1114.4	990.7
120°	2050.3	2089.7	2247.3	2404.8	2247.3	2089.7	2050.3	1731.4	1306.3	1093.7	980.6
122.5°	1939.3	1978.1	2133.5	2288.9	2133.5	1978.1	1939.3	1652.2	1269.4	1077.9	975.4
125°	1792.4	1828.2	1971.4	2114.5	1971.4	1828.2	1792.4	1548.5	1223.3	1060.7	971.0
127.5°	1674.5	1704.7	1825.5	1946.2	1825.5	1704.7	1674.5	1465.1	1185.8	1046.2	968.5
130°	1600.0	1627.9	1739.5	1851.0	1739.5	1627.9	1600.0	1413.5	1165.0	1040.6	970.0
132.5°	1536.5	1561.5	1661.4	1761.3	1661.4	1561.5	1536.5	1369.7	1147.1	1035.9	971.0
135°	1446.9	1468.4	1554.5	1640.7	1554.5	1468.4	1446.9	1307.1	1120.7	1027.6	970.1
137.5°	1380.7	1398.2	1468.8	1539.3	1468.8	1398.2	1380.7	1262.5	1104.9	1026.2	976.1
140°	1327.6	1344.1	1410.0	1475.9	1410.0	1344.1	1327.6	1225.5	1089.4	1021.4	977.1
142.5°	1290.4	1304.6	1361.2	1418.0	1361.2	1304.6	1290.4	1200.7	1081.1	1021.4	980.6
145°	1234.5	1245.2	1288.1	1331.0	1288.1	1245.2	1234.5	1161.1	1063.4	1014.5	980.6
147.5°	1187.6	1196.5	1232.1	1267.6	1232.1	1196.5	1187.6	1129.9	1052.9	1014.5	987.4
150°	1160.7	1167.9	1196.8	1225.5	1196.8	1167.9	1160.7	1112.0	1047.0	1014.5	990.8
152.5°	1139.3	1144.7	1166.5	1188.2	1166.5	1144.7	1139.3	1097.7	1042.2	1014.5	993.1
155°	1113.8	1117.5	1131.8	1146.2	1131.8	1117.5	1113.8	1080.7	1036.6	1014.5	998.2
157.5°	1091.7	1094.2	1104.3	1114.4	1104.3	1094.2	1091.7	1066.0	1031.6	1014.5	1003.3
160°	1080.7	1082.1	1088.0	1093.7	1088.0	1082.1	1080.7	1058.6	1029.2	1014.5	1005.6
162.5°	1070.3	1071.7	1077.2	1082.7	1077.2	1071.7	1070.3	1051.7	1026.9	1014.5	1008.1
165°	1054.5	1055.9	1061.8	1067.6	1061.8	1055.9	1054.5	1041.2	1023.3	1014.5	1011.5
167.5°	1047.6	1048.2	1050.6	1053.1	1050.6	1048.2	1047.6	1038.9	1027.2	1021.4	1018.9
170°	1047.6	1047.6	1047.6	1047.6	1047.6	1047.6	1047.6	1038.9	1027.2	1021.4	1021.2
172.5°	1042.1	1041.5	1039.4	1037.3	1039.4	1041.5	1042.1	1035.1	1026.0	1021.4	1021.4
175°	1034.5	1034.5	1034.5	1034.5	1034.5	1034.5	1034.5	1030.2	1024.3	1021.4	1022.8
177.5°	1033.1	1032.5	1030.1	1027.6	1030.1	1032.5	1033.1	1029.6	1025.0	1022.7	1023.8
180°	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1407.9	1407.9	1407.9	1407.9	1407.9
2.5°	1390.6	1397.3	1401.3	1406.6	1419.9
5°	1337.3	1362.6	1370.6	1390.6	1414.6
7.5°	1220.1	1297.4	1318.7	1366.6	1403.9
10°	1106.9	1184.1	1221.4	1334.7	1390.6
12.5°	1049.6	1094.9	1120.2	1278.7	1372.0
15°	1013.7	1045.6	1064.3	1204.1	1350.6
17.5°	985.7	1008.3	1021.6	1130.9	1321.3
20°	968.4	979.0	991.0	1077.6	1288.0
22.5°	956.4	949.7	959.0	1040.3	1242.8
25°	948.4	923.1	933.7	1011.0	1189.5
27.5°	955.0	899.1	903.1	984.3	1133.5
30°	956.4	869.8	871.1	956.4	1070.9
32.5°	947.1	839.2	840.5	921.7	1000.3
35°	924.4	803.2	801.9	881.8	904.4
37.5°	893.8	764.6	764.6	837.8	799.2
40°	856.5	725.9	729.9	780.6	706.0
42.5°	811.2	684.6	690.0	704.6	636.7
45°	761.9	644.7	648.7	595.4	583.4
47.5°	707.3	603.4	604.7	494.2	566.1
50°	642.0	560.8	555.4	423.6	564.8
52.5°	584.7	514.2	498.2	383.6	512.8
55°	528.8	464.9	430.2	353.0	475.5
57.5°	479.5	400.9	367.6	317.0	467.5
60°	434.2	338.3	313.0	278.4	428.9
62.5°	396.9	291.7	286.4	251.7	388.9
65°	357.0	259.7	258.4	229.1	330.3
67.5°	318.3	238.4	237.1	207.8	251.7
70°	277.1	215.8	213.1	185.1	186.5
72.5°	234.4	190.5	187.8	166.5	154.5
75°	191.8	161.2	159.8	145.2	125.2
77.5°	150.5	127.9	130.5	117.2	91.9
80°	107.9	93.2	95.9	83.9	69.3
82.5°	71.9	61.3	63.9	53.3	46.6
85°	40.0	34.6	36.0	28.0	21.3
87.5°	18.6	16.0	16.0	10.7	6.7
90°	30.3	19.3	17.9	12.4	6.9
92.5°	187.1	133.1	121.4	74.5	27.6
95°	460.4	259.3	237.8	152.0	66.2
97.5°	620.2	284.8	265.9	190.1	114.5
100°	678.3	306.2	289.0	220.4	151.8
102.5°	705.1	327.6	311.6	247.5	183.5
105°	724.8	359.3	345.7	291.5	237.3
107.5°	728.5	406.2	393.6	342.9	292.4
110°	722.9	432.4	420.9	375.3	329.6



TEST NUMBER: P935575

CATALOG NUMBER: SQ4-FA-125U-075D-940-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	723.2	464.2	453.2	409.7	366.2
115°	729.9	511.8	501.7	461.5	421.4
117.5°	743.4	557.9	548.8	512.4	475.9
120°	754.4	584.8	576.2	541.9	507.6
122.5°	770.3	616.5	607.9	573.3	538.7
125°	791.7	657.2	649.3	617.8	586.2
127.5°	813.1	696.5	688.6	656.7	624.8
130°	828.7	722.7	714.1	679.9	645.5
132.5°	841.4	744.1	735.5	701.3	666.9
135°	855.1	768.9	761.1	729.8	698.6
137.5°	875.8	800.7	793.0	762.0	731.0
140°	888.4	822.0	814.9	786.4	757.9
142.5°	899.1	837.9	831.3	805.0	778.6
145°	912.9	862.1	856.3	833.3	810.3
147.5°	933.1	892.4	886.8	864.5	842.1
150°	943.7	908.2	903.2	883.0	862.8
152.5°	950.6	918.6	914.8	899.5	884.1
155°	965.7	941.4	938.5	927.2	915.9
157.5°	980.9	964.1	961.3	950.3	939.3
160°	987.8	974.5	972.4	963.7	955.1
162.5°	995.2	985.5	983.9	977.4	971.0
165°	1005.7	1001.4	1000.0	994.1	988.3
167.5°	1014.0	1010.4	1009.7	1006.9	1004.2
170°	1020.9	1020.7	1020.0	1017.2	1014.5
172.5°	1021.4	1021.4	1021.2	1020.6	1020.0
175°	1025.6	1027.6	1027.6	1027.6	1027.6
177.5°	1026.0	1027.6	1027.6	1027.6	1027.6
180°	1027.6	1027.6	1027.6	1027.6	1027.6



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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	10.80	11.54	11.87	12.62	14.08	13.62	14.37	14.70	15.44	16.91
	3H	11.27	11.93	12.35	13.02	14.50	14.96	15.63	16.04	16.71	18.19
	4H	11.45	12.09	12.55	13.17	14.66	15.40	16.03	16.49	17.11	18.60
	6H	11.57	12.15	12.67	13.24	14.74	15.67	16.26	16.78	17.34	18.84
	8H	11.56	12.12	12.67	13.22	14.72	15.74	16.30	16.85	17.40	18.90
	12H	11.53	12.06	12.64	13.15	14.67	15.78	16.30	16.89	17.40	18.92
4H	2H	11.82	12.45	12.92	13.53	15.02	14.02	14.65	15.12	15.74	17.23
	3H	12.83	13.36	13.94	14.47	15.97	15.51	16.04	16.62	17.15	18.65
	4H	13.10	13.59	14.22	14.69	16.21	16.03	16.52	17.15	17.62	19.14
	6H	13.22	13.64	14.34	14.76	16.28	16.39	16.81	17.51	17.93	19.45
	8H	13.23	13.61	14.34	14.73	16.26	16.49	16.88	17.61	18.00	19.53
	12H	13.19	13.54	14.32	14.67	16.20	16.54	16.90	17.68	18.02	19.56
8H	4H	13.55	13.93	14.67	15.05	16.58	16.15	16.54	17.27	17.65	19.18
	6H	13.80	14.12	14.94	15.28	16.81	16.58	16.90	17.72	18.06	19.59
	8H	13.85	14.12	14.99	15.26	16.81	16.73	17.01	17.88	18.15	19.70
	12H	13.82	14.07	14.97	15.20	16.79	16.82	17.07	17.97	18.20	19.79
12H	4H	13.55	13.90	14.68	15.03	16.56	16.11	16.46	17.24	17.59	19.12
	6H	13.86	14.14	15.01	15.28	16.83	16.58	16.86	17.72	17.99	19.54
	8H	13.92	14.17	15.07	15.31	16.89	16.73	16.98	17.88	18.11	19.70