

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: P935715

Luminaire Tested: SQ4-FA-125U-125D-835-1D-UNV-STD-W-6

Issue Date: 12/17/2024

**Test Information**

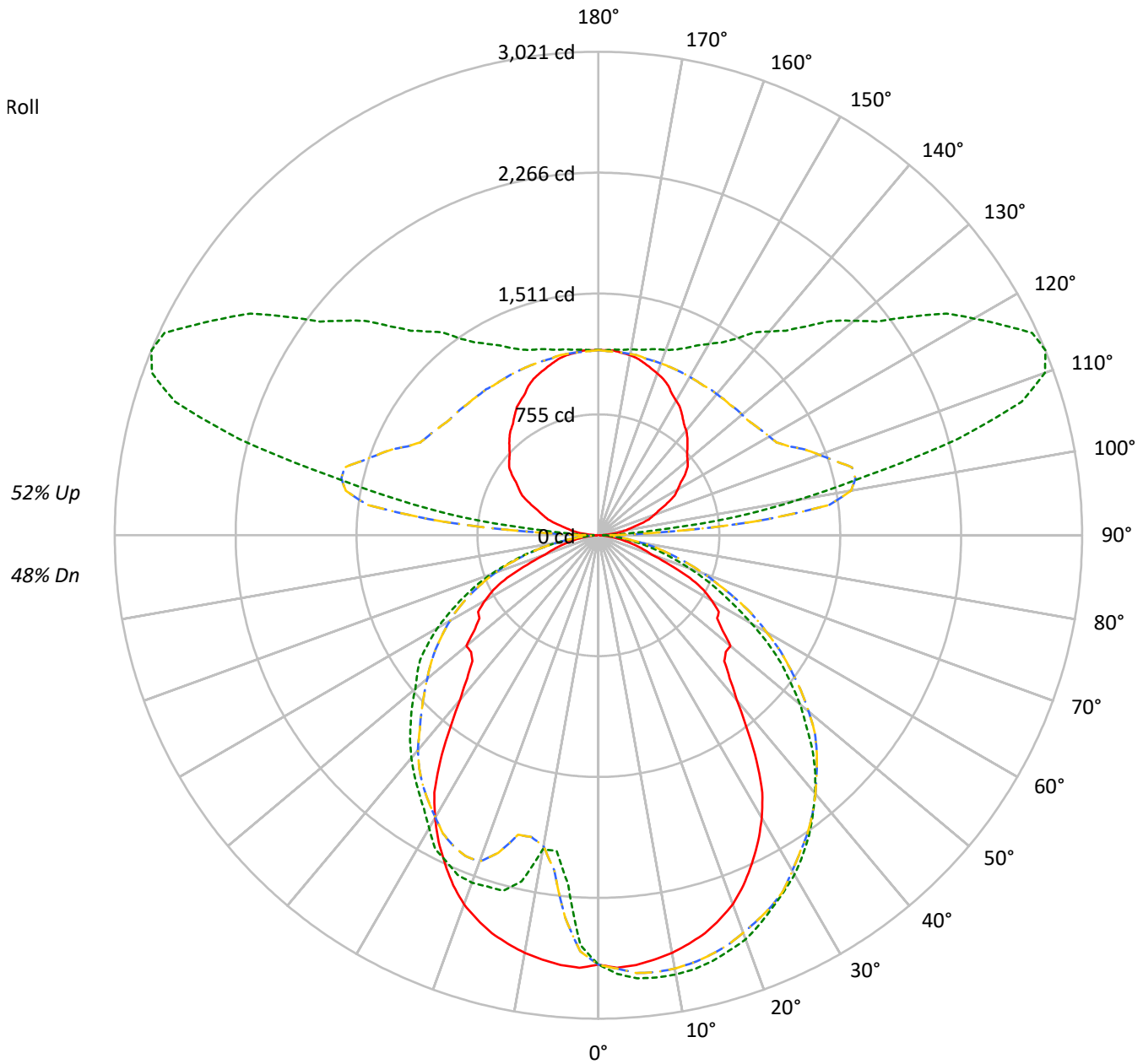
Test Method: LM-79-2019  
Report Number: P935715  
REPORT IS A COMBINATION OF REPORTS P933767 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-125D-835-1D-UNV-STD-W-6  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14462.0 lumens  
Efficiency: N/A  
Efficacy: 128.2 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: General Diffuse  
  
Input Watts (W): 112.8  
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				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48	48	48	48
1	97	93	89	86	90	86	83	80	72	70	68	60	58	57	48	47	46	41	41	41	41
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	41	39	34	34	34	34
3	81	71	64	58	74	66	60	55	56	51	47	46	43	40	38	35	33	29	29	29	29
4	74	63	55	49	68	59	52	46	50	44	40	41	37	34	34	31	28	25	25	25	25
5	68	56	48	42	62	52	45	40	44	39	35	37	33	30	30	27	25	21	21	21	21
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19	19	19	19
7	58	45	38	32	53	42	35	30	36	31	26	30	26	23	25	22	19	17	17	17	17
8	54	41	34	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	16	13	13	13	13
10	47	34	27	22	43	32	26	21	28	22	19	24	19	16	20	16	14	12	12	12	12

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

	0°	90°	180°	270°
0°	16596	16596	16596	16596
5°	16714	16753	16714	13173
10°	16596	16503	16596	11798
15°	16410	16145	16410	13481
20°	16060	15722	16060	13510
25°	15351	15104	15351	13223
30°	14437	14591	14437	12595
35°	12865	13942	12865	11904
40°	10713	13178	10713	11382
45°	9566	12285	9566	10782
50°	10156	11218	10156	10180
55°	9545	10069	9545	9831
60°	9828	8552	9828	9005
65°	8896	7069	8896	7902
70°	6145	5634	6145	6624
75°	5369	4165	5369	4987
80°	4296	2753	4296	2998
85°	2421	1458	2421	1240

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 14671 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	242.2	1.7
10°-20°	687.6	4.8
20°-30°	1062.9	7.3
30°-40°	1268.9	8.8
40°-50°	1276.3	8.8
50°-60°	1110.5	7.7
60°-70°	787.4	5.4
70°-80°	416.6	2.9
80°-90°	108.2	0.7
90°-100°	564.1	3.9
100°-110°	1483.0	10.3
110°-120°	1537.7	10.6
120°-130°	1233.4	8.5
130°-140°	967.8	6.7
140°-150°	742.8	5.1
150°-160°	534.9	3.7
160°-170°	327.3	2.3
170°-180°	110.6	0.8
0°-30°	1992.6	13.8
0°-40°	3261.5	22.6
0°-60°	5648.3	39.1
0°-90°	6960.4	48.1
90°-120°	3584.7	24.8
90°-150°	6528.7	45.1
90°-180°	7502.0	51.9
0°-180°	14462.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2683	2683	2683	2683	2683	
5°	2696	2779	2696	2185	2696	256
15°	2574	2754	2574	2300	2574	724
25°	2266	2569	2266	2249	2266	1041
35°	1723	2292	1723	1957	1723	1066
45°	1112	1888	1112	1657	1112	891
55°	906	1393	906	1360	906	833
65°	630	840	630	939	630	602
75°	239	398	239	477	239	251
85°	41	102	41	86	41	55
90°	8	30	8	30	8	8
95°	75	341	75	341	75	83
105°	267	2322	267	2322	267	283
115°	474	2990	474	2990	474	469
125°	660	2381	660	2381	660	586
135°	787	1848	787	1848	787	609
145°	912	1499	912	1499	912	572
155°	1031	1291	1031	1291	1031	474
165°	1113	1202	1113	1202	1113	314
175°	1157	1165	1157	1165	1157	110
180°	1157	1157	1157	1157	1157	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8
2.5°	2705.6	2705.6	2720.9	2725.9	2725.9	2718.3	2710.7	2718.3	2741.2	2748.8	2746.2
5°	2695.5	2715.8	2743.7	2748.8	2753.9	2751.3	2746.2	2751.3	2776.7	2781.8	2784.3
7.5°	2675.2	2713.2	2748.8	2756.4	2764.0	2756.4	2753.9	2758.9	2784.3	2789.4	2789.4
10°	2649.8	2703.1	2743.7	2748.8	2756.4	2748.8	2748.8	2758.9	2784.3	2789.4	2791.9
12.5°	2614.3	2687.9	2725.9	2731.0	2741.2	2738.6	2736.1	2746.2	2771.6	2776.7	2776.7
15°	2573.7	2659.9	2695.5	2700.6	2718.3	2713.2	2713.2	2723.4	2751.3	2758.9	2756.4
17.5°	2517.8	2624.4	2665.0	2672.6	2685.3	2682.8	2685.3	2695.5	2720.9	2725.9	2728.5
20°	2454.4	2576.2	2624.4	2632.0	2644.7	2644.7	2644.7	2657.4	2682.8	2692.9	2692.9
22.5°	2368.1	2525.4	2576.2	2581.3	2596.5	2596.5	2601.6	2619.3	2642.2	2644.7	2644.7
25°	2266.5	2469.6	2512.7	2528.0	2543.2	2550.8	2558.4	2568.6	2576.2	2573.7	2576.2
27.5°	2159.9	2398.5	2454.4	2464.5	2484.8	2492.4	2502.6	2505.1	2507.7	2515.3	2510.2
30°	2040.6	2299.5	2383.3	2393.4	2426.4	2431.5	2421.4	2426.4	2439.1	2444.2	2449.3
32.5°	1906.1	2152.3	2309.7	2332.5	2363.0	2347.8	2345.2	2352.8	2373.1	2373.1	2378.2
35°	1723.4	2038.1	2241.2	2261.5	2284.3	2266.5	2276.7	2279.2	2291.9	2299.5	2297.0
37.5°	1522.9	1939.1	2170.1	2185.3	2203.1	2180.2	2195.5	2203.1	2213.2	2208.2	2208.2
40°	1345.2	1784.3	2086.3	2096.5	2111.7	2093.9	2109.2	2114.3	2119.3	2114.3	2111.7
42.5°	1213.2	1614.2	1997.5	2010.2	2000.0	2012.7	2017.8	2028.0	2020.3	2010.2	2010.2
45°	1111.7	1568.6	1901.0	1916.3	1901.0	1921.4	1929.0	1929.0	1906.1	1901.0	1898.5
47.5°	1078.7	1477.2	1804.6	1804.6	1797.0	1822.4	1835.1	1817.3	1794.4	1786.8	1786.8
50°	1076.2	1375.7	1672.6	1662.5	1698.0	1728.5	1715.8	1698.0	1680.2	1652.3	1652.3
52.5°	977.2	1251.3	1502.6	1540.6	1596.5	1614.2	1593.9	1576.2	1545.7	1533.0	1522.9
55°	906.1	1121.8	1347.7	1423.9	1482.3	1505.1	1467.0	1449.3	1403.6	1396.0	1390.9
57.5°	890.9	934.0	1205.6	1302.1	1373.1	1370.6	1347.7	1314.7	1276.7	1269.1	1266.5
60°	817.3	675.1	1053.3	1167.5	1241.1	1233.5	1213.2	1182.8	1147.2	1142.2	1137.1
62.5°	741.1	489.9	880.7	1010.2	1114.2	1111.7	1093.9	1048.2	1022.9	1010.2	1000.0
65°	629.5	411.2	626.9	840.1	989.9	994.9	956.9	923.9	896.0	880.7	878.2
67.5°	479.7	335.0	423.9	700.5	870.6	865.5	817.3	802.0	766.5	758.9	743.7
70°	355.3	223.4	294.4	568.5	753.8	741.1	703.1	685.3	652.3	634.5	624.4
72.5°	294.4	180.2	215.7	441.6	634.5	619.3	586.3	566.0	538.1	522.9	512.7
75°	238.6	190.4	165.0	327.4	515.2	505.1	474.6	454.3	431.5	411.2	413.7
77.5°	175.1	177.7	132.0	241.1	408.6	393.4	375.6	350.3	340.1	319.8	319.8
80°	132.0	139.6	99.0	165.0	294.4	294.4	279.2	261.4	243.7	233.5	233.5
82.5°	88.8	88.8	73.6	104.1	200.5	192.9	182.7	177.7	167.5	162.4	162.4
85°	40.6	50.8	45.7	63.5	109.1	114.2	114.2	109.1	106.6	101.5	104.1
87.5°	12.7	22.8	27.9	35.5	55.8	58.4	60.9	60.9	60.9	63.5	63.5
90°	7.8	14.0	20.2	21.7	34.1	50.7	59.0	52.4	39.3	29.5	29.5
92.5°	31.1	83.9	136.7	149.9	210.7	291.8	332.4	291.3	209.2	147.6	141.7
95°	74.6	171.2	267.8	292.0	518.5	820.6	971.6	867.0	657.8	500.9	483.1
97.5°	128.9	214.1	299.4	320.7	698.4	1202.1	1453.9	1387.8	1255.6	1156.4	1122.6
100°	170.9	248.2	325.5	344.8	763.9	1322.8	1602.2	1607.0	1616.7	1623.9	1583.6
102.5°	206.6	278.7	350.9	368.9	794.0	1360.7	1644.1	1728.3	1896.8	2023.1	1988.6
105°	267.2	328.3	389.3	404.6	816.2	1365.1	1639.5	1828.3	2205.9	2489.1	2470.5
107.5°	329.3	386.2	443.2	457.4	820.4	1304.3	1546.3	1809.7	2336.4	2731.4	2735.9
110°	371.2	422.6	474.0	486.9	814.1	1250.4	1468.6	1763.0	2351.9	2793.6	2812.9



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	412.4	461.4	510.4	522.7	814.4	1203.4	1397.9	1699.2	2301.9	2753.9	2783.6
115°	474.5	519.7	565.0	576.3	822.0	1149.5	1313.3	1603.6	2184.2	2619.6	2660.8
117.5°	535.9	577.0	618.0	628.3	837.2	1115.7	1255.0	1517.0	2041.0	2434.0	2479.6
120°	571.6	610.3	648.9	658.6	849.6	1104.3	1231.7	1471.1	1949.8	2308.9	2353.3
122.5°	606.6	645.6	684.6	694.3	867.5	1098.4	1213.9	1429.5	1860.6	2183.9	2227.6
125°	660.1	695.7	731.2	740.1	891.6	1093.5	1194.5	1377.6	1743.8	2018.5	2058.8
127.5°	703.6	739.5	775.4	784.4	915.7	1090.7	1178.2	1335.4	1649.9	1885.7	1919.7
130°	726.9	765.6	804.2	813.9	933.2	1092.3	1171.9	1311.9	1591.8	1801.8	1833.2
132.5°	751.0	789.7	828.3	838.0	947.5	1093.5	1166.5	1291.8	1542.4	1730.3	1758.4
135°	786.7	821.9	857.1	865.9	963.0	1092.5	1157.2	1262.1	1472.0	1629.4	1653.6
137.5°	823.2	858.1	893.0	901.7	986.3	1099.2	1155.6	1244.3	1421.7	1554.8	1574.6
140°	853.5	885.6	917.7	925.7	1000.5	1100.3	1150.2	1226.8	1380.1	1495.0	1513.6
142.5°	876.8	906.5	936.2	943.6	1012.5	1104.3	1150.2	1217.5	1352.1	1453.1	1469.1
145°	912.5	938.4	964.3	970.8	1028.0	1104.3	1142.4	1197.5	1307.6	1390.2	1402.3
147.5°	948.3	973.5	998.7	1005.0	1050.8	1111.9	1142.4	1185.7	1272.4	1337.4	1347.4
150°	971.6	994.4	1017.1	1022.8	1062.7	1115.8	1142.4	1179.0	1252.2	1307.1	1315.2
152.5°	995.6	1012.9	1030.2	1034.5	1070.5	1118.4	1142.4	1173.6	1236.1	1283.0	1289.1
155°	1031.4	1044.2	1056.9	1060.1	1087.5	1124.1	1142.4	1167.3	1217.0	1254.3	1258.4
157.5°	1057.8	1070.2	1082.6	1085.7	1104.6	1129.8	1142.4	1161.7	1200.4	1229.4	1232.2
160°	1075.6	1085.3	1095.0	1097.4	1112.4	1132.4	1142.4	1159.0	1192.1	1217.0	1218.6
162.5°	1093.5	1100.7	1108.0	1109.8	1120.7	1135.2	1142.4	1156.4	1184.3	1205.3	1206.9
165°	1112.9	1119.5	1126.1	1127.7	1132.6	1139.1	1142.4	1152.4	1172.5	1187.5	1189.1
167.5°	1130.8	1133.9	1137.0	1137.8	1141.9	1147.4	1150.2	1156.8	1169.9	1179.7	1180.4
170°	1142.4	1145.5	1148.6	1149.4	1149.7	1150.0	1150.2	1156.8	1169.9	1179.7	1179.7
172.5°	1148.6	1149.3	1150.0	1150.2	1150.2	1150.2	1150.2	1155.4	1165.7	1173.5	1172.9
175°	1157.2	1157.2	1157.2	1157.2	1154.9	1151.8	1150.2	1153.5	1160.1	1165.0	1165.0
177.5°	1157.2	1157.2	1157.2	1157.2	1155.4	1152.9	1151.7	1154.3	1159.5	1163.4	1162.7
180°	1157.2	1157.2	1157.2	1157.2	1157.2	1157.2	1157.2	1157.2	1157.2	1157.2	1157.2



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8
2.5°	2751.3	2743.7	2751.3	2746.2	2748.8	2741.2	2718.3	2710.7	2718.3	2725.9	2725.9
5°	2784.3	2779.2	2784.3	2784.3	2781.8	2776.7	2751.3	2746.2	2751.3	2753.9	2748.8
7.5°	2794.5	2786.9	2794.5	2789.4	2789.4	2784.3	2758.9	2753.9	2756.4	2764.0	2756.4
10°	2794.5	2786.9	2794.5	2791.9	2789.4	2784.3	2758.9	2748.8	2748.8	2756.4	2748.8
12.5°	2781.8	2776.7	2781.8	2776.7	2776.7	2771.6	2746.2	2736.1	2738.6	2741.2	2731.0
15°	2761.5	2753.9	2761.5	2756.4	2758.9	2751.3	2723.4	2713.2	2713.2	2718.3	2700.6
17.5°	2731.0	2720.9	2731.0	2728.5	2725.9	2720.9	2695.5	2685.3	2682.8	2685.3	2672.6
20°	2695.5	2687.9	2695.5	2692.9	2692.9	2682.8	2657.4	2644.7	2644.7	2644.7	2632.0
22.5°	2639.6	2632.0	2639.6	2644.7	2644.7	2642.2	2619.3	2601.6	2596.5	2596.5	2581.3
25°	2576.2	2568.6	2576.2	2576.2	2573.7	2576.2	2568.6	2558.4	2550.8	2543.2	2528.0
27.5°	2515.3	2510.2	2515.3	2510.2	2515.3	2507.7	2505.1	2502.6	2492.4	2484.8	2464.5
30°	2454.4	2449.3	2454.4	2449.3	2444.2	2439.1	2426.4	2421.4	2431.5	2426.4	2393.4
32.5°	2378.2	2373.1	2378.2	2378.2	2373.1	2373.1	2352.8	2345.2	2347.8	2363.0	2332.5
35°	2299.5	2291.9	2299.5	2297.0	2299.5	2291.9	2279.2	2276.7	2266.5	2284.3	2261.5
37.5°	2208.2	2200.5	2208.2	2208.2	2208.2	2213.2	2203.1	2195.5	2180.2	2203.1	2185.3
40°	2114.3	2104.1	2114.3	2111.7	2114.3	2119.3	2114.3	2109.2	2093.9	2111.7	2096.5
42.5°	2007.7	2005.1	2007.7	2010.2	2010.2	2020.3	2028.0	2017.8	2012.7	2000.0	2010.2
45°	1893.4	1888.4	1893.4	1898.5	1901.0	1906.1	1929.0	1929.0	1921.4	1901.0	1916.3
47.5°	1771.6	1758.9	1771.6	1786.8	1786.8	1794.4	1817.3	1835.1	1822.4	1797.0	1804.6
50°	1642.2	1644.7	1642.2	1652.3	1652.3	1680.2	1698.0	1715.8	1728.5	1698.0	1662.5
52.5°	1515.3	1512.7	1515.3	1522.9	1533.0	1545.7	1576.2	1593.9	1614.2	1596.5	1540.6
55°	1388.3	1393.4	1388.3	1390.9	1396.0	1403.6	1449.3	1467.0	1505.1	1482.3	1423.9
57.5°	1261.4	1253.8	1261.4	1266.5	1269.1	1276.7	1314.7	1347.7	1370.6	1373.1	1302.1
60°	1114.2	1104.1	1114.2	1137.1	1142.2	1147.2	1182.8	1213.2	1233.5	1241.1	1167.5
62.5°	984.8	967.0	984.8	1000.0	1010.2	1022.9	1048.2	1093.9	1111.7	1114.2	1010.2
65°	847.7	840.1	847.7	878.2	880.7	896.0	923.9	956.9	994.9	989.9	840.1
67.5°	723.4	723.4	723.4	743.7	758.9	766.5	802.0	817.3	865.5	870.6	700.5
70°	609.1	606.6	609.1	624.4	634.5	652.3	685.3	703.1	741.1	753.8	568.5
72.5°	500.0	497.5	500.0	512.7	522.9	538.1	566.0	586.3	619.3	634.5	441.6
75°	403.6	398.5	403.6	413.7	411.2	431.5	454.3	474.6	505.1	515.2	327.4
77.5°	309.7	309.7	309.7	319.8	319.8	340.1	350.3	375.6	393.4	408.6	241.1
80°	231.0	228.4	231.0	233.5	233.5	243.7	261.4	279.2	294.4	294.4	165.0
82.5°	162.4	157.4	162.4	162.4	162.4	167.5	177.7	182.7	192.9	200.5	104.1
85°	101.5	101.5	101.5	104.1	101.5	106.6	109.1	114.2	114.2	109.1	63.5
87.5°	66.0	63.5	66.0	63.5	63.5	60.9	60.9	60.9	58.4	55.8	35.5
90°	29.5	29.5	29.5	29.5	29.5	39.3	52.4	59.0	50.7	34.1	21.7
92.5°	118.2	94.7	118.2	141.7	147.6	209.2	291.3	332.4	291.8	210.7	149.9
95°	412.0	340.9	412.0	483.1	500.9	657.8	867.0	971.6	820.6	518.5	292.0
97.5°	987.3	852.0	987.3	1122.6	1156.4	1255.6	1387.8	1453.9	1202.1	698.4	320.7
100°	1422.5	1261.3	1422.5	1583.6	1623.9	1616.7	1607.0	1602.2	1322.8	763.9	344.8
102.5°	1850.5	1712.5	1850.5	1988.6	2023.1	1896.8	1728.3	1644.1	1360.7	794.0	368.9
105°	2396.3	2322.1	2396.3	2470.5	2489.1	2205.9	1828.3	1639.5	1365.1	816.2	404.6
107.5°	2753.8	2771.8	2753.8	2735.9	2731.4	2336.4	1809.7	1546.3	1304.3	820.4	457.4
110°	2890.2	2967.5	2890.2	2812.9	2793.6	2351.9	1763.0	1468.6	1250.4	814.1	486.9





TEST NUMBER: P935715

CATALOG NUMBER: SQ4-FA-125U-125D-835-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2902.3	3021.1	2902.3	2783.6	2753.9	2301.9	1699.2	1397.9	1203.4	814.4	522.7
115°	2825.4	2990.0	2825.4	2660.8	2619.6	2184.2	1603.6	1313.3	1149.5	822.0	576.3
117.5°	2662.2	2844.8	2662.2	2479.6	2434.0	2041.0	1517.0	1255.0	1115.7	837.2	628.3
120°	2530.7	2708.1	2530.7	2353.3	2308.9	1949.8	1471.1	1231.7	1104.3	849.6	658.6
122.5°	2402.6	2577.6	2402.6	2227.6	2183.9	1860.6	1429.5	1213.9	1098.4	867.5	694.3
125°	2220.0	2381.2	2220.0	2058.8	2018.5	1743.8	1377.6	1194.5	1093.5	891.6	740.1
127.5°	2055.7	2191.7	2055.7	1919.7	1885.7	1649.9	1335.4	1178.2	1090.7	915.7	784.4
130°	1958.9	2084.5	1958.9	1833.2	1801.8	1591.8	1311.9	1171.9	1092.3	933.2	813.9
132.5°	1871.0	1983.5	1871.0	1758.4	1730.3	1542.4	1291.8	1166.5	1093.5	947.5	838.0
135°	1750.6	1847.6	1750.6	1653.6	1629.4	1472.0	1262.1	1157.2	1092.5	963.0	865.9
137.5°	1654.0	1733.4	1654.0	1574.6	1554.8	1421.7	1244.3	1155.6	1099.2	986.3	901.7
140°	1587.8	1662.0	1587.8	1513.6	1495.0	1380.1	1226.8	1150.2	1100.3	1000.5	925.7
142.5°	1532.9	1596.8	1532.9	1469.1	1453.1	1352.1	1217.5	1150.2	1104.3	1012.5	943.6
145°	1450.6	1498.9	1450.6	1402.3	1390.2	1307.6	1197.5	1142.4	1104.3	1028.0	970.8
147.5°	1387.5	1427.5	1387.5	1347.4	1337.4	1272.4	1185.7	1142.4	1111.9	1050.8	1005.0
150°	1347.7	1380.1	1347.7	1315.2	1307.1	1252.2	1179.0	1142.4	1115.8	1062.7	1022.8
152.5°	1313.6	1338.1	1313.6	1289.1	1283.0	1236.1	1173.6	1142.4	1118.4	1070.5	1034.5
155°	1274.6	1290.8	1274.6	1258.4	1254.3	1217.0	1167.3	1142.4	1124.1	1087.5	1060.1
157.5°	1243.6	1255.0	1243.6	1232.2	1229.4	1200.4	1161.7	1142.4	1129.8	1104.6	1085.7
160°	1225.2	1231.7	1225.2	1218.6	1217.0	1192.1	1159.0	1142.4	1132.4	1112.4	1097.4
162.5°	1213.1	1219.3	1213.1	1206.9	1205.3	1184.3	1156.4	1142.4	1135.2	1120.7	1109.8
165°	1195.7	1202.2	1195.7	1189.1	1187.5	1172.5	1152.4	1142.4	1139.1	1132.6	1127.7
167.5°	1183.1	1185.9	1183.1	1180.4	1179.7	1169.9	1156.8	1150.2	1147.4	1141.9	1137.8
170°	1179.7	1179.7	1179.7	1179.7	1179.7	1169.9	1156.8	1150.2	1150.0	1149.7	1149.4
172.5°	1170.5	1168.1	1170.5	1172.9	1173.5	1165.7	1155.4	1150.2	1150.2	1150.2	1150.2
175°	1165.0	1165.0	1165.0	1165.0	1165.0	1160.1	1153.5	1150.2	1151.8	1154.9	1157.2
177.5°	1160.0	1157.2	1160.0	1162.7	1163.4	1159.5	1154.3	1151.7	1152.9	1155.4	1157.2
180°	1157.2	1157.2	1157.2	1157.2	1157.2	1157.2	1157.2	1157.2	1157.2	1157.2	1157.2



TEST NUMBER: P935715  
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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8
2.5°	2720.9	2705.6	2705.6	2680.3	2670.1	2662.5	2649.8	2611.7	2601.6	2591.4	2606.6
5°	2743.7	2715.8	2695.5	2649.8	2611.7	2596.5	2548.3	2456.9	2396.0	2350.3	2324.9
7.5°	2748.8	2713.2	2675.2	2604.1	2512.7	2472.1	2324.9	2157.4	2111.7	2071.1	2045.7
10°	2743.7	2703.1	2649.8	2543.2	2327.5	2256.4	2109.2	2000.0	1972.1	1964.5	1972.1
12.5°	2725.9	2687.9	2614.3	2436.6	2134.6	2086.3	2000.0	1936.6	1931.5	1944.2	2012.7
15°	2695.5	2659.9	2573.7	2294.5	2028.0	1992.4	1931.5	1908.7	1936.6	2025.4	2231.0
17.5°	2665.0	2624.4	2517.8	2154.9	1946.7	1921.4	1878.2	1923.9	2081.3	2200.5	2269.1
20°	2624.4	2576.2	2454.4	2053.3	1888.4	1865.5	1845.2	2050.8	2170.1	2213.2	2251.3
22.5°	2576.2	2525.4	2368.1	1982.3	1827.4	1809.7	1822.4	2121.9	2170.1	2200.5	2233.5
25°	2512.7	2469.6	2266.5	1926.4	1779.2	1758.9	1807.1	2114.3	2142.2	2149.8	2215.8
27.5°	2454.4	2398.5	2159.9	1875.7	1720.8	1713.2	1819.8	2081.3	2101.6	2109.2	2180.2
30°	2383.3	2299.5	2040.6	1822.4	1659.9	1657.4	1822.4	2040.6	2035.6	2055.9	2126.9
32.5°	2309.7	2152.3	1906.1	1756.4	1601.6	1599.0	1804.6	1979.7	1974.7	2002.6	2055.9
35°	2241.2	2038.1	1723.4	1680.2	1527.9	1530.5	1761.5	1908.7	1911.2	1936.6	1969.6
37.5°	2170.1	1939.1	1522.9	1596.5	1456.9	1456.9	1703.1	1842.7	1837.6	1845.2	1890.9
40°	2086.3	1784.3	1345.2	1487.3	1390.9	1383.3	1632.0	1771.6	1753.8	1751.3	1814.8
42.5°	1997.5	1614.2	1213.2	1342.7	1314.7	1304.6	1545.7	1685.3	1652.3	1659.9	1741.1
45°	1901.0	1568.6	1111.7	1134.5	1236.1	1228.4	1451.8	1586.3	1563.5	1583.8	1667.5
47.5°	1804.6	1477.2	1078.7	941.6	1152.3	1149.8	1347.7	1489.9	1477.2	1497.5	1586.3
50°	1672.6	1375.7	1076.2	807.1	1058.4	1068.5	1223.4	1396.0	1396.0	1413.7	1507.6
52.5°	1502.6	1251.3	977.2	731.0	949.3	979.7	1114.2	1314.7	1319.8	1337.6	1421.3
55°	1347.7	1121.8	906.1	672.6	819.8	885.8	1007.6	1231.0	1241.1	1258.9	1335.0
57.5°	1205.6	934.0	890.9	604.1	700.5	764.0	913.7	1149.8	1154.8	1170.1	1243.7
60°	1053.3	675.1	817.3	530.5	596.5	644.7	827.4	1053.3	1071.1	1081.2	1144.7
62.5°	880.7	489.9	741.1	479.7	545.7	555.8	756.4	961.9	984.8	992.4	1030.5
65°	626.9	411.2	629.5	436.6	492.4	494.9	680.2	868.0	888.3	901.0	929.0
67.5°	423.9	335.0	479.7	395.9	451.8	454.3	606.6	758.9	786.8	797.0	814.7
70°	294.4	223.4	355.3	352.8	406.1	411.2	527.9	659.9	685.3	692.9	703.1
72.5°	215.7	180.2	294.4	317.3	357.9	363.0	446.7	548.2	573.6	581.2	586.3
75°	165.0	190.4	238.6	276.7	304.6	307.1	365.5	446.7	464.5	469.6	472.1
77.5°	132.0	177.7	175.1	223.4	248.7	243.7	286.8	345.2	360.4	360.4	360.4
80°	99.0	139.6	132.0	159.9	182.7	177.7	205.6	246.2	251.3	256.3	253.8
82.5°	73.6	88.8	88.8	101.5	121.8	116.8	137.1	159.9	159.9	159.9	165.0
85°	45.7	50.8	40.6	53.3	68.5	66.0	76.1	86.3	88.8	88.8	83.8
87.5°	27.9	22.8	12.7	20.3	30.5	30.5	35.5	38.1	35.5	35.5	35.5
90°	20.2	14.0	7.8	14.0	20.2	21.7	34.1	50.7	59.0	52.4	39.3
92.5°	136.7	83.9	31.1	83.9	136.7	149.9	210.7	291.8	332.4	291.3	209.2
95°	267.8	171.2	74.6	171.2	267.8	292.0	518.5	820.6	971.6	867.0	657.8
97.5°	299.4	214.1	128.9	214.1	299.4	320.7	698.4	1202.1	1453.9	1387.8	1255.6
100°	325.5	248.2	170.9	248.2	325.5	344.8	763.9	1322.8	1602.2	1607.0	1616.7
102.5°	350.9	278.7	206.6	278.7	350.9	368.9	794.0	1360.7	1644.1	1728.3	1896.8
105°	389.3	328.3	267.2	328.3	389.3	404.6	816.2	1365.1	1639.5	1828.3	2205.9
107.5°	443.2	386.2	329.3	386.2	443.2	457.4	820.4	1304.3	1546.3	1809.7	2336.4
110°	474.0	422.6	371.2	422.6	474.0	486.9	814.1	1250.4	1468.6	1763.0	2351.9



TEST NUMBER: P935715

CATALOG NUMBER: SQ4-FA-125U-125D-835-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	510.4	461.4	412.4	461.4	510.4	522.7	814.4	1203.4	1397.9	1699.2	2301.9
115°	565.0	519.7	474.5	519.7	565.0	576.3	822.0	1149.5	1313.3	1603.6	2184.2
117.5°	618.0	577.0	535.9	577.0	618.0	628.3	837.2	1115.7	1255.0	1517.0	2041.0
120°	648.9	610.3	571.6	610.3	648.9	658.6	849.6	1104.3	1231.7	1471.1	1949.8
122.5°	684.6	645.6	606.6	645.6	684.6	694.3	867.5	1098.4	1213.9	1429.5	1860.6
125°	731.2	695.7	660.1	695.7	731.2	740.1	891.6	1093.5	1194.5	1377.6	1743.8
127.5°	775.4	739.5	703.6	739.5	775.4	784.4	915.7	1090.7	1178.2	1335.4	1649.9
130°	804.2	765.6	726.9	765.6	804.2	813.9	933.2	1092.3	1171.9	1311.9	1591.8
132.5°	828.3	789.7	751.0	789.7	828.3	838.0	947.5	1093.5	1166.5	1291.8	1542.4
135°	857.1	821.9	786.7	821.9	857.1	865.9	963.0	1092.5	1157.2	1262.1	1472.0
137.5°	893.0	858.1	823.2	858.1	893.0	901.7	986.3	1099.2	1155.6	1244.3	1421.7
140°	917.7	885.6	853.5	885.6	917.7	925.7	1000.5	1100.3	1150.2	1226.8	1380.1
142.5°	936.2	906.5	876.8	906.5	936.2	943.6	1012.5	1104.3	1150.2	1217.5	1352.1
145°	964.3	938.4	912.5	938.4	964.3	970.8	1028.0	1104.3	1142.4	1197.5	1307.6
147.5°	998.7	973.5	948.3	973.5	998.7	1005.0	1050.8	1111.9	1142.4	1185.7	1272.4
150°	1017.1	994.4	971.6	994.4	1017.1	1022.8	1062.7	1115.8	1142.4	1179.0	1252.2
152.5°	1030.2	1012.9	995.6	1012.9	1030.2	1034.5	1070.5	1118.4	1142.4	1173.6	1236.1
155°	1056.9	1044.2	1031.4	1044.2	1056.9	1060.1	1087.5	1124.1	1142.4	1167.3	1217.0
157.5°	1082.6	1070.2	1057.8	1070.2	1082.6	1085.7	1104.6	1129.8	1142.4	1161.7	1200.4
160°	1095.0	1085.3	1075.6	1085.3	1095.0	1097.4	1112.4	1132.4	1142.4	1159.0	1192.1
162.5°	1108.0	1100.7	1093.5	1100.7	1108.0	1109.8	1120.7	1135.2	1142.4	1156.4	1184.3
165°	1126.1	1119.5	1112.9	1119.5	1126.1	1127.7	1132.6	1139.1	1142.4	1152.4	1172.5
167.5°	1137.0	1133.9	1130.8	1133.9	1137.0	1137.8	1141.9	1147.4	1150.2	1156.8	1169.9
170°	1148.6	1145.5	1142.4	1145.5	1148.6	1149.4	1149.7	1150.0	1150.2	1156.8	1169.9
172.5°	1150.0	1149.3	1148.6	1149.3	1150.0	1150.2	1150.2	1150.2	1150.2	1155.4	1165.7
175°	1157.2	1157.2	1157.2	1157.2	1157.2	1157.2	1154.9	1151.8	1150.2	1153.5	1160.1
177.5°	1157.2	1157.2	1157.2	1157.2	1157.2	1157.2	1155.4	1152.9	1151.7	1154.3	1159.5
180°	1157.2	1157.2	1157.2	1157.2	1157.2	1157.2	1157.2	1157.2	1157.2	1157.2	1157.2



TEST NUMBER: P935715  
 CATALOG NUMBER: SQ4-FA-125U-125D-835-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8
2.5°	2588.9	2581.3	2591.4	2563.5	2591.4	2581.3	2588.9	2606.6	2591.4	2601.6	2611.7
5°	2271.6	2258.9	2218.3	2185.3	2218.3	2258.9	2271.6	2324.9	2350.3	2396.0	2456.9
7.5°	2030.5	2020.3	2010.2	1989.9	2010.2	2020.3	2030.5	2045.7	2071.1	2111.7	2157.4
10°	1977.2	1979.7	1995.0	1992.4	1995.0	1979.7	1977.2	1972.1	1964.5	1972.1	2000.0
12.5°	2114.3	2137.1	2220.9	2215.8	2220.9	2137.1	2114.3	2012.7	1944.2	1931.5	1936.6
15°	2271.6	2279.2	2297.0	2299.5	2297.0	2279.2	2271.6	2231.0	2025.4	1936.6	1908.7
17.5°	2286.8	2289.4	2302.1	2302.1	2302.1	2289.4	2286.8	2269.1	2200.5	2081.3	1923.9
20°	2274.2	2279.2	2304.6	2309.7	2304.6	2279.2	2274.2	2251.3	2213.2	2170.1	2050.8
22.5°	2269.1	2279.2	2299.5	2297.0	2299.5	2279.2	2269.1	2233.5	2200.5	2170.1	2121.9
25°	2243.7	2243.7	2246.2	2248.8	2246.2	2243.7	2243.7	2215.8	2149.8	2142.2	2114.3
27.5°	2190.4	2195.5	2210.7	2208.2	2210.7	2195.5	2190.4	2180.2	2109.2	2101.6	2081.3
30°	2142.2	2137.1	2124.4	2114.3	2124.4	2137.1	2142.2	2126.9	2055.9	2035.6	2040.6
32.5°	2061.0	2048.3	2035.6	2028.0	2035.6	2048.3	2061.0	2055.9	2002.6	1974.7	1979.7
35°	1964.5	1967.0	1964.5	1956.9	1964.5	1967.0	1964.5	1969.6	1936.6	1911.2	1908.7
37.5°	1896.0	1901.0	1898.5	1888.4	1898.5	1901.0	1896.0	1890.9	1845.2	1837.6	1842.7
40°	1824.9	1827.4	1824.9	1817.3	1824.9	1827.4	1824.9	1814.8	1751.3	1753.8	1771.6
42.5°	1756.4	1753.8	1746.2	1741.1	1746.2	1753.8	1756.4	1741.1	1659.9	1652.3	1685.3
45°	1677.7	1680.2	1665.0	1657.4	1665.0	1680.2	1677.7	1667.5	1583.8	1563.5	1586.3
47.5°	1599.0	1599.0	1586.3	1578.7	1586.3	1599.0	1599.0	1586.3	1497.5	1477.2	1489.9
50°	1515.3	1512.7	1495.0	1492.4	1495.0	1512.7	1515.3	1507.6	1413.7	1396.0	1396.0
52.5°	1418.8	1418.8	1421.3	1426.4	1421.3	1418.8	1418.8	1421.3	1337.6	1319.8	1314.7
55°	1335.0	1337.6	1355.4	1360.4	1355.4	1337.6	1335.0	1335.0	1258.9	1241.1	1231.0
57.5°	1248.8	1248.8	1261.4	1261.4	1261.4	1248.8	1248.8	1243.7	1170.1	1154.8	1149.8
60°	1149.8	1154.8	1165.0	1162.5	1165.0	1154.8	1149.8	1144.7	1081.2	1071.1	1053.3
62.5°	1045.7	1050.8	1053.3	1048.2	1053.3	1050.8	1045.7	1030.5	992.4	984.8	961.9
65°	936.6	941.6	944.2	939.1	944.2	941.6	936.6	929.0	901.0	888.3	868.0
67.5°	824.9	822.3	819.8	830.0	819.8	822.3	824.9	814.7	797.0	786.8	758.9
70°	710.7	710.7	708.1	713.2	708.1	710.7	710.7	703.1	692.9	685.3	659.9
72.5°	588.8	586.3	596.5	588.8	596.5	586.3	588.8	586.3	581.2	573.6	548.2
75°	469.6	474.6	469.6	477.2	469.6	474.6	469.6	472.1	469.6	464.5	446.7
77.5°	357.9	363.0	357.9	357.9	357.9	363.0	357.9	360.4	360.4	360.4	345.2
80°	253.8	251.3	251.3	248.7	251.3	251.3	253.8	253.8	256.3	251.3	246.2
82.5°	162.4	159.9	159.9	165.0	159.9	159.9	162.4	165.0	159.9	159.9	159.9
85°	88.8	91.4	86.3	86.3	86.3	91.4	88.8	83.8	88.8	88.8	86.3
87.5°	33.0	30.5	30.5	30.5	30.5	30.5	33.0	35.5	35.5	35.5	38.1
90°	29.5	29.5	29.5	29.5	29.5	29.5	29.5	39.3	52.4	59.0	50.7
92.5°	147.6	141.7	118.2	94.7	118.2	141.7	147.6	209.2	291.3	332.4	291.8
95°	500.9	483.1	412.0	340.9	412.0	483.1	500.9	657.8	867.0	971.6	820.6
97.5°	1156.4	1122.6	987.3	852.0	987.3	1122.6	1156.4	1255.6	1387.8	1453.9	1202.1
100°	1623.9	1583.6	1422.5	1261.3	1422.5	1583.6	1623.9	1616.7	1607.0	1602.2	1322.8
102.5°	2023.1	1988.6	1850.5	1712.5	1850.5	1988.6	2023.1	1896.8	1728.3	1644.1	1360.7
105°	2489.1	2470.5	2396.3	2322.1	2396.3	2470.5	2489.1	2205.9	1828.3	1639.5	1365.1
107.5°	2731.4	2735.9	2753.8	2771.8	2753.8	2735.9	2731.4	2336.4	1809.7	1546.3	1304.3
110°	2793.6	2812.9	2890.2	2967.5	2890.2	2812.9	2793.6	2351.9	1763.0	1468.6	1250.4



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2753.9	2783.6	2902.3	3021.1	2902.3	2783.6	2753.9	2301.9	1699.2	1397.9	1203.4
115°	2619.6	2660.8	2825.4	2990.0	2825.4	2660.8	2619.6	2184.2	1603.6	1313.3	1149.5
117.5°	2434.0	2479.6	2662.2	2844.8	2662.2	2479.6	2434.0	2041.0	1517.0	1255.0	1115.7
120°	2308.9	2353.3	2530.7	2708.1	2530.7	2353.3	2308.9	1949.8	1471.1	1231.7	1104.3
122.5°	2183.9	2227.6	2402.6	2577.6	2402.6	2227.6	2183.9	1860.6	1429.5	1213.9	1098.4
125°	2018.5	2058.8	2220.0	2381.2	2220.0	2058.8	2018.5	1743.8	1377.6	1194.5	1093.5
127.5°	1885.7	1919.7	2055.7	2191.7	2055.7	1919.7	1885.7	1649.9	1335.4	1178.2	1090.7
130°	1801.8	1833.2	1958.9	2084.5	1958.9	1833.2	1801.8	1591.8	1311.9	1171.9	1092.3
132.5°	1730.3	1758.4	1871.0	1983.5	1871.0	1758.4	1730.3	1542.4	1291.8	1166.5	1093.5
135°	1629.4	1653.6	1750.6	1847.6	1750.6	1653.6	1629.4	1472.0	1262.1	1157.2	1092.5
137.5°	1554.8	1574.6	1654.0	1733.4	1654.0	1574.6	1554.8	1421.7	1244.3	1155.6	1099.2
140°	1495.0	1513.6	1587.8	1662.0	1587.8	1513.6	1495.0	1380.1	1226.8	1150.2	1100.3
142.5°	1453.1	1469.1	1532.9	1596.8	1532.9	1469.1	1453.1	1352.1	1217.5	1150.2	1104.3
145°	1390.2	1402.3	1450.6	1498.9	1450.6	1402.3	1390.2	1307.6	1197.5	1142.4	1104.3
147.5°	1337.4	1347.4	1387.5	1427.5	1387.5	1347.4	1337.4	1272.4	1185.7	1142.4	1111.9
150°	1307.1	1315.2	1347.7	1380.1	1347.7	1315.2	1307.1	1252.2	1179.0	1142.4	1115.8
152.5°	1283.0	1289.1	1313.6	1338.1	1313.6	1289.1	1283.0	1236.1	1173.6	1142.4	1118.4
155°	1254.3	1258.4	1274.6	1290.8	1274.6	1258.4	1254.3	1217.0	1167.3	1142.4	1124.1
157.5°	1229.4	1232.2	1243.6	1255.0	1243.6	1232.2	1229.4	1200.4	1161.7	1142.4	1129.8
160°	1217.0	1218.6	1225.2	1231.7	1225.2	1218.6	1217.0	1192.1	1159.0	1142.4	1132.4
162.5°	1205.3	1206.9	1213.1	1219.3	1213.1	1206.9	1205.3	1184.3	1156.4	1142.4	1135.2
165°	1187.5	1189.1	1195.7	1202.2	1195.7	1189.1	1187.5	1172.5	1152.4	1142.4	1139.1
167.5°	1179.7	1180.4	1183.1	1185.9	1183.1	1180.4	1179.7	1169.9	1156.8	1150.2	1147.4
170°	1179.7	1179.7	1179.7	1179.7	1179.7	1179.7	1179.7	1169.9	1156.8	1150.2	1150.0
172.5°	1173.5	1172.9	1170.5	1168.1	1170.5	1172.9	1173.5	1165.7	1155.4	1150.2	1150.2
175°	1165.0	1165.0	1165.0	1165.0	1165.0	1165.0	1165.0	1160.1	1153.5	1150.2	1151.8
177.5°	1163.4	1162.7	1160.0	1157.2	1160.0	1162.7	1163.4	1159.5	1154.3	1151.7	1152.9
180°	1157.2	1157.2	1157.2	1157.2	1157.2	1157.2	1157.2	1157.2	1157.2	1157.2	1157.2



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2682.8	2682.8	2682.8	2682.8	2682.8
2.5°	2649.8	2662.5	2670.1	2680.3	2705.6
5°	2548.3	2596.5	2611.7	2649.8	2695.5
7.5°	2324.9	2472.1	2512.7	2604.1	2675.2
10°	2109.2	2256.4	2327.5	2543.2	2649.8
12.5°	2000.0	2086.3	2134.6	2436.6	2614.3
15°	1931.5	1992.4	2028.0	2294.5	2573.7
17.5°	1878.2	1921.4	1946.7	2154.9	2517.8
20°	1845.2	1865.5	1888.4	2053.3	2454.4
22.5°	1822.4	1809.7	1827.4	1982.3	2368.1
25°	1807.1	1758.9	1779.2	1926.4	2266.5
27.5°	1819.8	1713.2	1720.8	1875.7	2159.9
30°	1822.4	1657.4	1659.9	1822.4	2040.6
32.5°	1804.6	1599.0	1601.6	1756.4	1906.1
35°	1761.5	1530.5	1527.9	1680.2	1723.4
37.5°	1703.1	1456.9	1456.9	1596.5	1522.9
40°	1632.0	1383.3	1390.9	1487.3	1345.2
42.5°	1545.7	1304.6	1314.7	1342.7	1213.2
45°	1451.8	1228.4	1236.1	1134.5	1111.7
47.5°	1347.7	1149.8	1152.3	941.6	1078.7
50°	1223.4	1068.5	1058.4	807.1	1076.2
52.5°	1114.2	979.7	949.3	731.0	977.2
55°	1007.6	885.8	819.8	672.6	906.1
57.5°	913.7	764.0	700.5	604.1	890.9
60°	827.4	644.7	596.5	530.5	817.3
62.5°	756.4	555.8	545.7	479.7	741.1
65°	680.2	494.9	492.4	436.6	629.5
67.5°	606.6	454.3	451.8	395.9	479.7
70°	527.9	411.2	406.1	352.8	355.3
72.5°	446.7	363.0	357.9	317.3	294.4
75°	365.5	307.1	304.6	276.7	238.6
77.5°	286.8	243.7	248.7	223.4	175.1
80°	205.6	177.7	182.7	159.9	132.0
82.5°	137.1	116.8	121.8	101.5	88.8
85°	76.1	66.0	68.5	53.3	40.6
87.5°	35.5	30.5	30.5	20.3	12.7
90°	34.1	21.7	20.2	14.0	7.8
92.5°	210.7	149.9	136.7	83.9	31.1
95°	518.5	292.0	267.8	171.2	74.6
97.5°	698.4	320.7	299.4	214.1	128.9
100°	763.9	344.8	325.5	248.2	170.9
102.5°	794.0	368.9	350.9	278.7	206.6
105°	816.2	404.6	389.3	328.3	267.2
107.5°	820.4	457.4	443.2	386.2	329.3
110°	814.1	486.9	474.0	422.6	371.2



TEST NUMBER: P935715

CATALOG NUMBER: SQ4-FA-125U-125D-835-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	814.4	522.7	510.4	461.4	412.4
115°	822.0	576.3	565.0	519.7	474.5
117.5°	837.2	628.3	618.0	577.0	535.9
120°	849.6	658.6	648.9	610.3	571.6
122.5°	867.5	694.3	684.6	645.6	606.6
125°	891.6	740.1	731.2	695.7	660.1
127.5°	915.7	784.4	775.4	739.5	703.6
130°	933.2	813.9	804.2	765.6	726.9
132.5°	947.5	838.0	828.3	789.7	751.0
135°	963.0	865.9	857.1	821.9	786.7
137.5°	986.3	901.7	893.0	858.1	823.2
140°	1000.5	925.7	917.7	885.6	853.5
142.5°	1012.5	943.6	936.2	906.5	876.8
145°	1028.0	970.8	964.3	938.4	912.5
147.5°	1050.8	1005.0	998.7	973.5	948.3
150°	1062.7	1022.8	1017.1	994.4	971.6
152.5°	1070.5	1034.5	1030.2	1012.9	995.6
155°	1087.5	1060.1	1056.9	1044.2	1031.4
157.5°	1104.6	1085.7	1082.6	1070.2	1057.8
160°	1112.4	1097.4	1095.0	1085.3	1075.6
162.5°	1120.7	1109.8	1108.0	1100.7	1093.5
165°	1132.6	1127.7	1126.1	1119.5	1112.9
167.5°	1141.9	1137.8	1137.0	1133.9	1130.8
170°	1149.7	1149.4	1148.6	1145.5	1142.4
172.5°	1150.2	1150.2	1150.0	1149.3	1148.6
175°	1154.9	1157.2	1157.2	1157.2	1157.2
177.5°	1155.4	1157.2	1157.2	1157.2	1157.2
180°	1157.2	1157.2	1157.2	1157.2	1157.2



TEST NUMBER: P935715  
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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	14.39	15.23	15.36	16.22	17.52	17.21	18.06	18.18	19.04	20.34
	3H	14.86	15.62	15.85	16.62	17.94	18.55	19.31	19.54	20.31	21.63
	4H	15.05	15.77	16.05	16.77	18.10	19.00	19.71	19.99	20.71	22.04
	6H	15.17	15.83	16.18	16.84	18.18	19.28	19.94	20.29	20.94	22.28
	8H	15.17	15.80	16.19	16.82	18.16	19.35	19.98	20.37	21.00	22.34
	12H	15.14	15.74	16.16	16.75	18.12	19.39	19.99	20.41	21.00	22.36
4H	2H	15.42	16.13	16.42	17.13	18.46	17.62	18.34	18.62	19.33	20.66
	3H	16.44	17.04	17.45	18.07	19.41	19.12	19.72	20.13	20.75	22.09
	4H	16.72	17.26	17.74	18.28	19.65	19.65	20.19	20.67	21.21	22.58
	6H	16.84	17.31	17.87	18.36	19.72	20.01	20.48	21.04	21.52	22.89
	8H	16.85	17.29	17.88	18.32	19.70	20.12	20.55	21.15	21.59	22.97
	12H	16.81	17.21	17.86	18.26	19.64	20.17	20.57	21.22	21.62	23.00
8H	4H	17.17	17.61	18.20	18.64	20.02	19.77	20.21	20.80	21.25	22.62
	6H	17.43	17.79	18.49	18.87	20.24	20.21	20.57	21.26	21.65	23.02
	8H	17.47	17.79	18.54	18.85	20.25	20.36	20.67	21.42	21.74	23.13
	12H	17.46	17.74	18.52	18.79	20.23	20.45	20.73	21.52	21.79	23.23
12H	4H	17.17	17.57	18.22	18.62	20.00	19.73	20.13	20.79	21.18	22.56
	6H	17.49	17.81	18.55	18.87	20.27	20.20	20.52	21.27	21.59	22.98
	8H	17.56	17.84	18.62	18.89	20.33	20.36	20.64	21.43	21.70	23.14