

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: P935699

Luminaire Tested: SQ4-FA-125U-100D-B35-1D-UNV-STD-W-6

Issue Date: 12/17/2024

**Test Information**

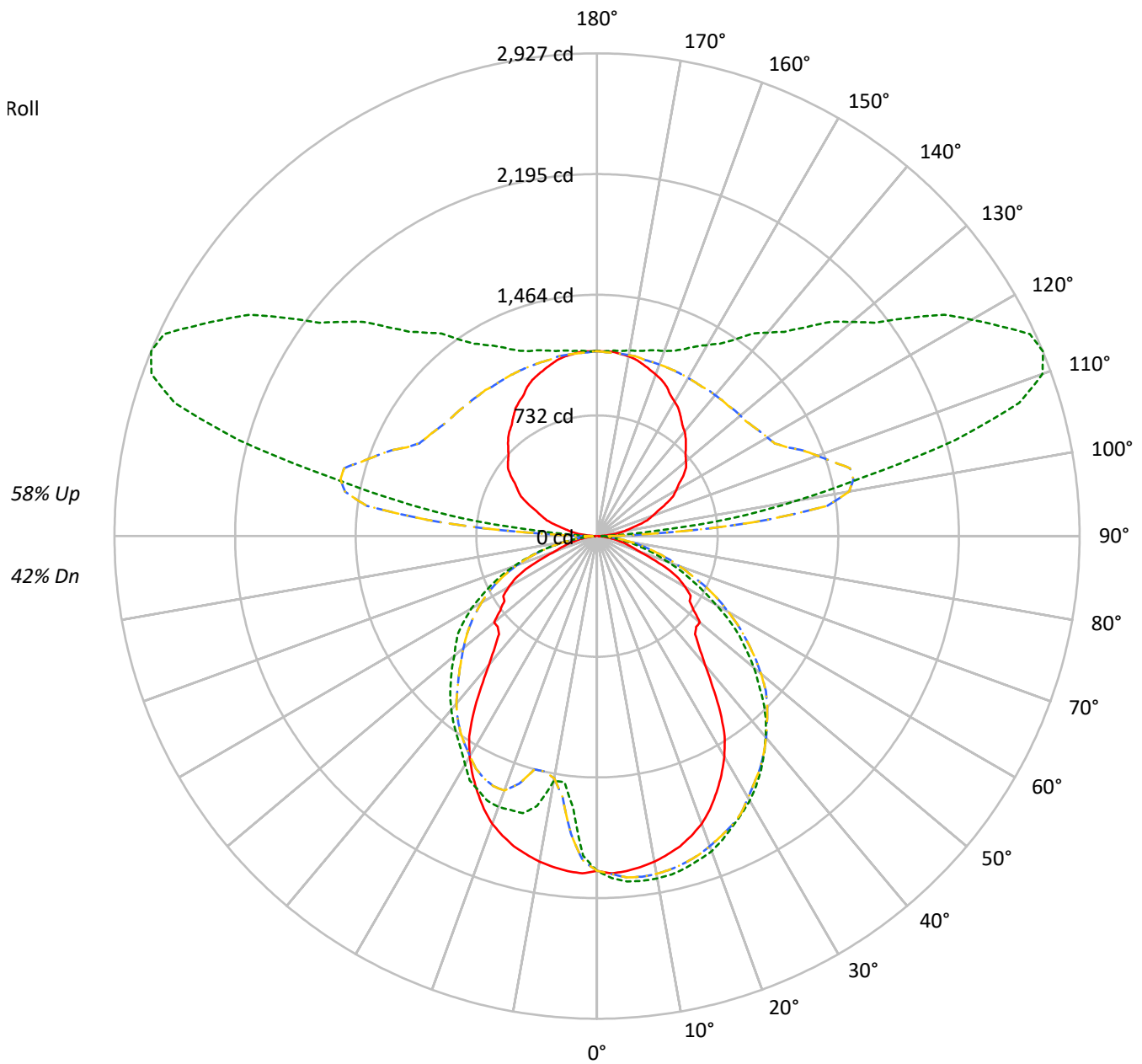
Test Method: LM-79-2019  
Report Number: P935699  
REPORT IS A COMBINATION OF REPORTS P933763 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-100D-B35-1D-UNV-STD-W-6  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12535.9 lumens  
Efficiency: N/A  
Efficacy: 129.8 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): 96.6  
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	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	49	49	49	42
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	41	41	41	35
2	87	80	74	69	80	73	68	64	61	57	54	49	46	44	38	36	35	35	35	35	30
3	80	70	63	57	72	65	58	53	53	49	45	43	40	37	34	31	30	30	30	30	25
4	73	62	54	49	66	57	50	45	47	42	38	38	35	32	30	28	25	25	25	25	22
5	67	55	47	41	61	51	44	39	42	37	33	34	31	27	27	24	22	22	22	22	19
6	62	50	42	36	56	46	39	33	38	33	29	31	27	24	24	22	19	19	19	19	16
7	57	45	37	31	52	41	34	29	34	29	25	28	24	21	22	19	17	17	17	17	15
8	53	40	33	28	48	37	31	26	31	26	22	26	22	19	20	18	15	15	15	15	13
9	49	37	30	25	45	34	27	23	29	24	20	24	20	17	19	16	14	14	14	14	12
10	46	34	27	22	42	31	25	21	26	21	18	22	18	15	17	15	13	13	13	13	11

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

	0°	90°	180°	270°
0°	12556	12556	12556	12556
5°	12645	12674	12645	9966
10°	12556	12485	12556	8926
15°	12415	12214	12415	10199
20°	12151	11894	12151	10221
25°	11614	11427	11614	10005
30°	10923	11039	10923	9528
35°	9733	10548	9733	9006
40°	8105	9970	8105	8611
45°	7238	9294	7238	8157
50°	7683	8487	7683	7701
55°	7222	7618	7222	7438
60°	7435	6470	7435	6813
65°	6731	5349	6731	5979
70°	4649	4262	4649	5011
75°	4062	3151	4062	3773
80°	3248	2084	3248	2268
85°	1830	1103	1830	938

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 11100 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	183.2	1.5
10°-20°	520.2	4.1
20°-30°	804.1	6.4
30°-40°	960.0	7.7
40°-50°	965.6	7.7
50°-60°	840.2	6.7
60°-70°	595.7	4.8
70°-80°	315.2	2.5
80°-90°	82.8	0.7
90°-100°	546.6	4.4
100°-110°	1437.0	11.5
110°-120°	1490.0	11.9
120°-130°	1195.2	9.5
130°-140°	937.8	7.5
140°-150°	719.8	5.7
150°-160°	518.4	4.1
160°-170°	317.2	2.5
170°-180°	107.2	0.9
0°-30°	1507.5	12.0
0°-40°	2467.5	19.7
0°-60°	4273.3	34.1
0°-90°	5266.9	42.0
90°-120°	3473.6	27.7
90°-150°	6326.3	50.5
90°-180°	7269.0	58.0
0°-180°	12535.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2030	2030	2030	2030	2030	
5°	2039	2103	2039	1653	2039	193
15°	1947	2083	1947	1740	1947	548
25°	1715	1943	1715	1701	1715	787
35°	1304	1734	1304	1480	1304	807
45°	841	1429	841	1254	841	674
55°	686	1054	686	1029	686	630
65°	476	636	476	710	476	455
75°	180	302	180	361	180	190
85°	31	77	31	65	31	41
90°	8	29	8	29	8	8
95°	72	330	72	330	72	80
105°	259	2250	259	2250	259	274
115°	460	2897	460	2897	460	454
125°	640	2307	640	2307	640	568
135°	762	1790	762	1790	762	590
145°	884	1452	884	1452	884	554
155°	999	1251	999	1251	999	459
165°	1078	1165	1078	1165	1078	304
175°	1121	1129	1121	1129	1121	106
180°	1121	1121	1121	1121	1121	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7
2.5°	2047.0	2047.0	2058.5	2062.3	2062.3	2056.6	2050.8	2056.6	2073.9	2079.7	2077.7
5°	2039.3	2054.7	2075.8	2079.7	2083.4	2081.5	2077.7	2081.5	2100.7	2104.6	2106.5
7.5°	2024.0	2052.7	2079.7	2085.4	2091.1	2085.4	2083.4	2087.3	2106.5	2110.4	2110.4
10°	2004.8	2045.1	2075.8	2079.7	2085.4	2079.7	2079.7	2087.3	2106.5	2110.4	2112.2
12.5°	1977.8	2033.5	2062.3	2066.2	2073.9	2071.9	2070.0	2077.7	2096.9	2100.7	2100.7
15°	1947.1	2012.4	2039.3	2043.1	2056.6	2052.7	2052.7	2060.4	2081.5	2087.3	2085.4
17.5°	1904.9	1985.5	2016.3	2022.0	2031.6	2029.7	2031.6	2039.3	2058.5	2062.3	2064.3
20°	1856.9	1949.0	1985.5	1991.3	2000.9	2000.9	2000.9	2010.5	2029.7	2037.4	2037.4
22.5°	1791.6	1910.7	1949.0	1952.9	1964.5	1964.5	1968.2	1981.7	1999.0	2000.9	2000.9
25°	1714.7	1868.4	1901.1	1912.5	1924.0	1929.9	1935.6	1943.3	1949.0	1947.1	1949.0
27.5°	1634.1	1814.6	1856.9	1864.5	1880.0	1885.7	1893.3	1895.3	1897.2	1902.9	1899.1
30°	1543.9	1739.7	1803.1	1810.8	1835.8	1839.5	1831.9	1835.8	1845.4	1849.2	1853.0
32.5°	1442.1	1628.4	1747.4	1764.7	1787.7	1776.2	1774.3	1780.1	1795.5	1795.5	1799.2
35°	1303.9	1542.0	1695.6	1711.0	1728.2	1714.7	1722.5	1724.3	1733.9	1739.7	1737.8
37.5°	1152.1	1467.1	1641.8	1653.3	1666.8	1649.5	1661.0	1666.8	1674.4	1670.7	1670.7
40°	1017.7	1349.9	1578.4	1586.2	1597.7	1584.2	1595.7	1599.5	1603.4	1599.5	1597.7
42.5°	917.8	1221.2	1511.3	1520.8	1513.2	1522.8	1526.6	1534.3	1528.5	1520.8	1520.8
45°	841.1	1186.7	1438.3	1449.8	1438.3	1453.6	1459.4	1459.4	1442.1	1438.3	1436.3
47.5°	816.1	1117.5	1365.3	1365.3	1359.5	1378.7	1388.3	1374.9	1357.6	1351.9	1351.9
50°	814.2	1040.8	1265.4	1257.8	1284.6	1307.7	1298.1	1284.6	1271.2	1250.1	1250.1
52.5°	739.3	946.7	1136.7	1165.6	1207.9	1221.2	1205.9	1192.5	1169.4	1159.8	1152.1
55°	685.6	848.7	1019.7	1077.2	1121.4	1138.7	1109.9	1096.4	1061.9	1056.1	1052.3
57.5°	674.0	706.7	912.1	985.1	1038.9	1036.9	1019.7	994.7	965.9	960.1	958.2
60°	618.3	510.8	796.9	883.3	939.0	933.2	917.8	894.9	867.9	864.2	860.3
62.5°	560.7	370.6	666.3	764.3	843.0	841.1	827.6	793.0	773.8	764.3	756.6
65°	476.3	311.0	474.3	635.6	748.9	752.7	723.9	698.9	677.8	666.3	664.4
67.5°	362.9	253.5	320.6	529.9	658.6	654.9	618.3	606.8	579.9	574.1	562.6
70°	268.8	169.0	222.8	430.1	570.4	560.7	531.9	518.5	493.5	480.0	472.4
72.5°	222.8	136.3	163.2	334.1	480.0	468.5	443.6	428.2	407.1	395.5	387.9
75°	180.5	144.0	124.8	247.7	389.8	382.2	359.1	343.7	326.5	311.0	313.0
77.5°	132.5	134.4	99.8	182.5	309.1	297.7	284.2	265.0	257.3	242.0	242.0
80°	99.8	105.6	74.9	124.8	222.8	222.8	211.2	197.8	184.3	176.6	176.6
82.5°	67.2	67.2	55.7	78.7	151.7	145.9	138.3	134.4	126.7	122.9	122.9
85°	30.7	38.4	34.6	48.0	82.6	86.4	86.4	82.6	80.6	76.8	78.7
87.5°	9.6	17.2	21.1	26.8	42.2	44.2	46.1	46.1	46.1	48.0	48.0
90°	7.6	13.6	19.6	21.0	33.0	49.1	57.2	50.8	38.1	28.6	28.6
92.5°	30.1	81.3	132.5	145.3	204.2	282.8	322.1	282.3	202.7	143.0	137.3
95°	72.3	165.9	259.5	282.9	502.4	795.2	941.5	840.1	637.4	485.4	468.1
97.5°	124.9	207.5	290.1	310.8	676.7	1164.8	1408.8	1344.8	1216.7	1120.6	1087.8
100°	165.6	240.5	315.4	334.1	740.2	1281.8	1552.5	1557.2	1566.6	1573.6	1534.5
102.5°	200.2	270.1	340.0	357.5	769.4	1318.5	1593.1	1674.7	1838.0	1960.4	1927.0
105°	258.9	318.1	377.2	392.1	790.9	1322.8	1588.7	1771.6	2137.5	2411.9	2393.9
107.5°	319.1	374.2	429.5	443.2	795.0	1263.9	1498.4	1753.6	2264.0	2646.7	2651.1
110°	359.7	409.5	459.3	471.8	788.9	1211.6	1423.1	1708.3	2279.0	2707.0	2725.7



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	399.6	447.1	494.6	506.5	789.2	1166.1	1354.6	1646.5	2230.5	2668.5	2697.3
115°	459.8	503.6	547.5	558.4	796.5	1113.9	1272.6	1553.9	2116.5	2538.4	2578.3
117.5°	519.3	559.1	598.8	608.8	811.2	1081.1	1216.1	1470.0	1977.7	2358.5	2402.7
120°	553.9	591.4	628.8	638.2	823.3	1070.1	1193.5	1425.5	1889.4	2237.3	2280.3
122.5°	587.8	625.6	663.4	672.8	840.6	1064.3	1176.3	1385.2	1802.9	2116.2	2158.5
125°	639.6	674.1	708.5	717.2	864.0	1059.6	1157.5	1334.9	1689.7	1955.9	1995.0
127.5°	681.8	716.6	751.4	760.1	887.3	1056.9	1141.7	1294.0	1598.8	1827.2	1860.2
130°	704.4	741.9	779.3	788.7	904.3	1058.4	1135.6	1271.2	1542.5	1745.9	1776.4
132.5°	727.7	765.2	802.6	812.0	918.1	1059.6	1130.3	1251.8	1494.6	1676.7	1703.9
135°	762.3	796.4	830.5	839.1	933.1	1058.6	1121.3	1223.0	1426.4	1578.9	1602.3
137.5°	797.7	831.5	865.3	873.7	955.7	1065.1	1119.8	1205.7	1377.6	1506.6	1525.8
140°	827.0	858.1	889.3	897.0	969.5	1066.2	1114.5	1188.8	1337.3	1448.7	1466.7
142.5°	849.6	878.4	907.2	914.3	981.1	1070.1	1114.5	1179.8	1310.2	1408.1	1423.6
145°	884.2	909.3	934.4	940.7	996.1	1070.1	1107.0	1160.4	1267.1	1347.1	1358.8
147.5°	918.9	943.3	967.7	973.8	1018.2	1077.4	1107.0	1148.9	1233.0	1295.9	1305.6
150°	941.5	963.6	985.6	991.1	1029.8	1081.2	1107.0	1142.5	1213.4	1266.6	1274.4
152.5°	964.7	981.5	998.3	1002.4	1037.3	1083.7	1107.0	1137.2	1197.8	1243.2	1249.1
155°	999.4	1011.8	1024.1	1027.2	1053.8	1089.3	1107.0	1131.1	1179.3	1215.4	1219.4
157.5°	1025.0	1037.0	1049.0	1052.0	1070.4	1094.8	1107.0	1125.7	1163.2	1191.3	1194.0
160°	1042.3	1051.7	1061.1	1063.4	1077.9	1097.3	1107.0	1123.1	1155.1	1179.3	1180.8
162.5°	1059.6	1066.6	1073.7	1075.4	1086.0	1100.0	1107.0	1120.6	1147.6	1167.9	1169.5
165°	1078.4	1084.8	1091.2	1092.7	1097.5	1103.8	1107.0	1116.7	1136.2	1150.7	1152.2
167.5°	1095.7	1098.7	1101.8	1102.5	1106.5	1111.8	1114.5	1120.9	1133.6	1143.1	1143.8
170°	1107.0	1110.0	1113.0	1113.8	1114.1	1114.4	1114.5	1120.9	1133.6	1143.1	1143.1
172.5°	1113.0	1113.7	1114.4	1114.5	1114.5	1114.5	1114.5	1119.6	1129.6	1137.1	1136.5
175°	1121.3	1121.3	1121.3	1121.3	1119.1	1116.1	1114.5	1117.7	1124.1	1128.9	1128.9
177.5°	1121.3	1121.3	1121.3	1121.3	1119.6	1117.2	1116.0	1118.5	1123.6	1127.3	1126.7
180°	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7
2.5°	2081.5	2075.8	2081.5	2077.7	2079.7	2073.9	2056.6	2050.8	2056.6	2062.3	2062.3
5°	2106.5	2102.6	2106.5	2106.5	2104.6	2100.7	2081.5	2077.7	2081.5	2083.4	2079.7
7.5°	2114.2	2108.4	2114.2	2110.4	2110.4	2106.5	2087.3	2083.4	2085.4	2091.1	2085.4
10°	2114.2	2108.4	2114.2	2112.2	2110.4	2106.5	2087.3	2079.7	2079.7	2085.4	2079.7
12.5°	2104.6	2100.7	2104.6	2100.7	2100.7	2096.9	2077.7	2070.0	2071.9	2073.9	2066.2
15°	2089.3	2083.4	2089.3	2085.4	2087.3	2081.5	2060.4	2052.7	2052.7	2056.6	2043.1
17.5°	2066.2	2058.5	2066.2	2064.3	2062.3	2058.5	2039.3	2031.6	2029.7	2031.6	2022.0
20°	2039.3	2033.5	2039.3	2037.4	2037.4	2029.7	2010.5	2000.9	2000.9	2000.9	1991.3
22.5°	1997.0	1991.3	1997.0	2000.9	2000.9	1999.0	1981.7	1968.2	1964.5	1964.5	1952.9
25°	1949.0	1943.3	1949.0	1949.0	1947.1	1949.0	1943.3	1935.6	1929.9	1924.0	1912.5
27.5°	1902.9	1899.1	1902.9	1899.1	1902.9	1897.2	1895.3	1893.3	1885.7	1880.0	1864.5
30°	1856.9	1853.0	1856.9	1853.0	1849.2	1845.4	1835.8	1831.9	1839.5	1835.8	1810.8
32.5°	1799.2	1795.5	1799.2	1799.2	1795.5	1795.5	1780.1	1774.3	1776.2	1787.7	1764.7
35°	1739.7	1733.9	1739.7	1737.8	1739.7	1733.9	1724.3	1722.5	1714.7	1728.2	1711.0
37.5°	1670.7	1664.8	1670.7	1670.7	1670.7	1674.4	1666.8	1661.0	1649.5	1666.8	1653.3
40°	1599.5	1591.9	1599.5	1597.7	1599.5	1603.4	1599.5	1595.7	1584.2	1597.7	1586.2
42.5°	1518.9	1517.0	1518.9	1520.8	1520.8	1528.5	1534.3	1526.6	1522.8	1513.2	1520.8
45°	1432.5	1428.7	1432.5	1436.3	1438.3	1442.1	1459.4	1459.4	1453.6	1438.3	1449.8
47.5°	1340.3	1330.7	1340.3	1351.9	1351.9	1357.6	1374.9	1388.3	1378.7	1359.5	1365.3
50°	1242.4	1244.3	1242.4	1250.1	1250.1	1271.2	1284.6	1298.1	1307.7	1284.6	1257.8
52.5°	1146.4	1144.5	1146.4	1152.1	1159.8	1169.4	1192.5	1205.9	1221.2	1207.9	1165.6
55°	1050.4	1054.2	1050.4	1052.3	1056.1	1061.9	1096.4	1109.9	1138.7	1121.4	1077.2
57.5°	954.4	948.6	954.4	958.2	960.1	965.9	994.7	1019.7	1036.9	1038.9	985.1
60°	843.0	835.3	843.0	860.3	864.2	867.9	894.9	917.8	933.2	939.0	883.3
62.5°	745.1	731.6	745.1	756.6	764.3	773.8	793.0	827.6	841.1	843.0	764.3
65°	641.4	635.6	641.4	664.4	666.3	677.8	698.9	723.9	752.7	748.9	635.6
67.5°	547.3	547.3	547.3	562.6	574.1	579.9	606.8	618.3	654.9	658.6	529.9
70°	460.9	458.9	460.9	472.4	480.0	493.5	518.5	531.9	560.7	570.4	430.1
72.5°	378.3	376.4	378.3	387.9	395.5	407.1	428.2	443.6	468.5	480.0	334.1
75°	305.3	301.5	305.3	313.0	311.0	326.5	343.7	359.1	382.2	389.8	247.7
77.5°	234.3	234.3	234.3	242.0	242.0	257.3	265.0	284.2	297.7	309.1	182.5
80°	174.7	172.9	174.7	176.6	176.6	184.3	197.8	211.2	222.8	222.8	124.8
82.5°	122.9	119.1	122.9	122.9	122.9	126.7	134.4	138.3	145.9	151.7	78.7
85°	76.8	76.8	76.8	78.7	76.8	80.6	82.6	86.4	86.4	82.6	48.0
87.5°	49.9	48.0	49.9	48.0	48.0	46.1	46.1	46.1	44.2	42.2	26.8
90°	28.6	28.6	28.6	28.6	28.6	38.1	50.8	57.2	49.1	33.0	21.0
92.5°	114.5	91.8	114.5	137.3	143.0	202.7	282.3	322.1	282.8	204.2	145.3
95°	399.2	330.3	399.2	468.1	485.4	637.4	840.1	941.5	795.2	502.4	282.9
97.5°	956.7	825.6	956.7	1087.8	1120.6	1216.7	1344.8	1408.8	1164.8	676.7	310.8
100°	1378.4	1222.2	1378.4	1534.5	1573.6	1566.6	1557.2	1552.5	1281.8	740.2	334.1
102.5°	1793.1	1659.4	1793.1	1927.0	1960.4	1838.0	1674.7	1593.1	1318.5	769.4	357.5
105°	2322.0	2250.1	2322.0	2393.9	2411.9	2137.5	1771.6	1588.7	1322.8	790.9	392.1
107.5°	2668.4	2685.9	2668.4	2651.1	2646.7	2264.0	1753.6	1498.4	1263.9	795.0	443.2
110°	2800.6	2875.5	2800.6	2725.7	2707.0	2279.0	1708.3	1423.1	1211.6	788.9	471.8





TEST NUMBER: P935699

CATALOG NUMBER: SQ4-FA-125U-100D-B35-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2812.3	2927.4	2812.3	2697.3	2668.5	2230.5	1646.5	1354.6	1166.1	789.2	506.5
115°	2737.8	2897.3	2737.8	2578.3	2538.4	2116.5	1553.9	1272.6	1113.9	796.5	558.4
117.5°	2579.7	2756.6	2579.7	2402.7	2358.5	1977.7	1470.0	1216.1	1081.1	811.2	608.8
120°	2452.2	2624.1	2452.2	2280.3	2237.3	1889.4	1425.5	1193.5	1070.1	823.3	638.2
122.5°	2328.1	2497.7	2328.1	2158.5	2116.2	1802.9	1385.2	1176.3	1064.3	840.6	672.8
125°	2151.2	2307.4	2151.2	1995.0	1955.9	1689.7	1334.9	1157.5	1059.6	864.0	717.2
127.5°	1992.0	2123.8	1992.0	1860.2	1827.2	1598.8	1294.0	1141.7	1056.9	887.3	760.1
130°	1898.2	2019.9	1898.2	1776.4	1745.9	1542.5	1271.2	1135.6	1058.4	904.3	788.7
132.5°	1813.0	1922.0	1813.0	1703.9	1676.7	1494.6	1251.8	1130.3	1059.6	918.1	812.0
135°	1696.3	1790.3	1696.3	1602.3	1578.9	1426.4	1223.0	1121.3	1058.6	933.1	839.1
137.5°	1602.7	1679.7	1602.7	1525.8	1506.6	1377.6	1205.7	1119.8	1065.1	955.7	873.7
140°	1538.6	1610.5	1538.6	1466.7	1448.7	1337.3	1188.8	1114.5	1066.2	969.5	897.0
142.5°	1485.4	1547.3	1485.4	1423.6	1408.1	1310.2	1179.8	1114.5	1070.1	981.1	914.3
145°	1405.6	1452.4	1405.6	1358.8	1347.1	1267.1	1160.4	1107.0	1070.1	996.1	940.7
147.5°	1344.5	1383.2	1344.5	1305.6	1295.9	1233.0	1148.9	1107.0	1077.4	1018.2	973.8
150°	1305.9	1337.3	1305.9	1274.4	1266.6	1213.4	1142.5	1107.0	1081.2	1029.8	991.1
152.5°	1272.9	1296.6	1272.9	1249.1	1243.2	1197.8	1137.2	1107.0	1083.7	1037.3	1002.4
155°	1235.1	1250.8	1235.1	1219.4	1215.4	1179.3	1131.1	1107.0	1089.3	1053.8	1027.2
157.5°	1205.0	1216.1	1205.0	1194.0	1191.3	1163.2	1125.7	1107.0	1094.8	1070.4	1052.0
160°	1187.2	1193.5	1187.2	1180.8	1179.3	1155.1	1123.1	1107.0	1097.3	1077.9	1063.4
162.5°	1175.5	1181.5	1175.5	1169.5	1167.9	1147.6	1120.6	1107.0	1100.0	1086.0	1075.4
165°	1158.6	1164.9	1158.6	1152.2	1150.7	1136.2	1116.7	1107.0	1103.8	1097.5	1092.7
167.5°	1146.4	1149.1	1146.4	1143.8	1143.1	1133.6	1120.9	1114.5	1111.8	1106.5	1102.5
170°	1143.1	1143.1	1143.1	1143.1	1143.1	1133.6	1120.9	1114.5	1114.4	1114.1	1113.8
172.5°	1134.2	1131.9	1134.2	1136.5	1137.1	1129.6	1119.6	1114.5	1114.5	1114.5	1114.5
175°	1128.9	1128.9	1128.9	1128.9	1128.9	1124.1	1117.7	1114.5	1116.1	1119.1	1121.3
177.5°	1124.0	1121.3	1124.0	1126.7	1127.3	1123.6	1118.5	1116.0	1117.2	1119.6	1121.3
180°	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3



TEST NUMBER: P935699

CATALOG NUMBER: SQ4-FA-125U-100D-B35-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7
2.5°	2058.5	2047.0	2047.0	2027.7	2020.1	2014.4	2004.8	1975.9	1968.2	1960.6	1972.1
5°	2075.8	2054.7	2039.3	2004.8	1975.9	1964.5	1927.9	1858.8	1812.7	1778.1	1758.9
7.5°	2079.7	2052.7	2024.0	1970.2	1901.1	1870.3	1758.9	1632.2	1597.7	1566.9	1547.7
10°	2075.8	2045.1	2004.8	1924.0	1760.9	1707.1	1595.7	1513.2	1492.1	1486.3	1492.1
12.5°	2062.3	2033.5	1977.8	1843.4	1614.9	1578.4	1513.2	1465.1	1461.3	1470.9	1522.8
15°	2039.3	2012.4	1947.1	1735.9	1534.3	1507.4	1461.3	1444.0	1465.1	1532.4	1687.9
17.5°	2016.3	1985.5	1904.9	1630.2	1472.8	1453.6	1420.9	1455.5	1574.6	1664.8	1716.7
20°	1985.5	1949.0	1856.9	1553.5	1428.7	1411.3	1396.0	1551.6	1641.8	1674.4	1703.2
22.5°	1949.0	1910.7	1791.6	1499.7	1382.6	1369.1	1378.7	1605.3	1641.8	1664.8	1689.8
25°	1901.1	1868.4	1714.7	1457.5	1346.1	1330.7	1367.3	1599.5	1620.7	1626.5	1676.4
27.5°	1856.9	1814.6	1634.1	1419.1	1301.9	1296.1	1376.9	1574.6	1589.9	1595.7	1649.5
30°	1803.1	1739.7	1543.9	1378.7	1255.8	1253.9	1378.7	1543.9	1540.0	1555.4	1609.1
32.5°	1747.4	1628.4	1442.1	1328.8	1211.6	1209.8	1365.3	1497.8	1493.9	1515.0	1555.4
35°	1695.6	1542.0	1303.9	1271.2	1156.0	1157.9	1332.7	1444.0	1445.9	1465.1	1490.1
37.5°	1641.8	1467.1	1152.1	1207.9	1102.2	1102.2	1288.5	1394.1	1390.2	1396.0	1430.5
40°	1578.4	1349.9	1017.7	1125.3	1052.3	1046.5	1234.7	1340.3	1326.9	1325.0	1373.0
42.5°	1511.3	1221.2	917.8	1015.8	994.7	987.0	1169.4	1275.0	1250.1	1255.8	1317.3
45°	1438.3	1186.7	841.1	858.3	935.2	929.4	1098.4	1200.1	1182.9	1198.3	1261.6
47.5°	1365.3	1117.5	816.1	712.4	871.8	869.9	1019.7	1127.1	1117.5	1133.0	1200.1
50°	1265.4	1040.8	814.2	610.7	800.8	808.4	925.6	1056.1	1056.1	1069.6	1140.6
52.5°	1136.7	946.7	739.3	553.0	718.1	741.2	843.0	994.7	998.6	1011.9	1075.3
55°	1019.7	848.7	685.6	508.8	620.3	670.2	762.3	931.3	939.0	952.4	1010.1
57.5°	912.1	706.7	674.0	457.0	529.9	578.0	691.3	869.9	873.7	885.3	940.9
60°	796.9	510.8	618.3	401.4	451.3	487.7	626.0	796.9	810.4	818.0	866.0
62.5°	666.3	370.6	560.7	362.9	412.9	420.5	572.2	727.8	745.1	750.8	779.7
65°	474.3	311.0	476.3	330.2	372.5	374.4	514.6	656.7	672.1	681.7	702.8
67.5°	320.6	253.5	362.9	299.5	341.8	343.7	458.9	574.1	595.3	602.9	616.4
70°	222.8	169.0	268.8	267.0	307.3	311.0	399.4	499.2	518.5	524.2	531.9
72.5°	163.2	136.3	222.8	240.0	270.7	274.6	338.0	414.7	434.0	439.7	443.6
75°	124.8	144.0	180.5	209.3	230.4	232.4	276.6	338.0	351.4	355.2	357.2
77.5°	99.8	134.4	132.5	169.0	188.2	184.3	217.0	261.1	272.7	272.7	272.7
80°	74.9	105.6	99.8	120.9	138.3	134.4	155.5	186.2	190.1	193.9	192.1
82.5°	55.7	67.2	67.2	76.8	92.2	88.4	103.7	120.9	120.9	120.9	124.8
85°	34.6	38.4	30.7	40.3	51.8	49.9	57.7	65.3	67.2	67.2	63.4
87.5°	21.1	17.2	9.6	15.4	23.1	23.1	26.8	28.8	26.8	26.8	26.8
90°	19.6	13.6	7.6	13.6	19.6	21.0	33.0	49.1	57.2	50.8	38.1
92.5°	132.5	81.3	30.1	81.3	132.5	145.3	204.2	282.8	322.1	282.3	202.7
95°	259.5	165.9	72.3	165.9	259.5	282.9	502.4	795.2	941.5	840.1	637.4
97.5°	290.1	207.5	124.9	207.5	290.1	310.8	676.7	1164.8	1408.8	1344.8	1216.7
100°	315.4	240.5	165.6	240.5	315.4	334.1	740.2	1281.8	1552.5	1557.2	1566.6
102.5°	340.0	270.1	200.2	270.1	340.0	357.5	769.4	1318.5	1593.1	1674.7	1838.0
105°	377.2	318.1	258.9	318.1	377.2	392.1	790.9	1322.8	1588.7	1771.6	2137.5
107.5°	429.5	374.2	319.1	374.2	429.5	443.2	795.0	1263.9	1498.4	1753.6	2264.0
110°	459.3	409.5	359.7	409.5	459.3	471.8	788.9	1211.6	1423.1	1708.3	2279.0



TEST NUMBER: P935699

CATALOG NUMBER: SQ4-FA-125U-100D-B35-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	494.6	447.1	399.6	447.1	494.6	506.5	789.2	1166.1	1354.6	1646.5	2230.5
115°	547.5	503.6	459.8	503.6	547.5	558.4	796.5	1113.9	1272.6	1553.9	2116.5
117.5°	598.8	559.1	519.3	559.1	598.8	608.8	811.2	1081.1	1216.1	1470.0	1977.7
120°	628.8	591.4	553.9	591.4	628.8	638.2	823.3	1070.1	1193.5	1425.5	1889.4
122.5°	663.4	625.6	587.8	625.6	663.4	672.8	840.6	1064.3	1176.3	1385.2	1802.9
125°	708.5	674.1	639.6	674.1	708.5	717.2	864.0	1059.6	1157.5	1334.9	1689.7
127.5°	751.4	716.6	681.8	716.6	751.4	760.1	887.3	1056.9	1141.7	1294.0	1598.8
130°	779.3	741.9	704.4	741.9	779.3	788.7	904.3	1058.4	1135.6	1271.2	1542.5
132.5°	802.6	765.2	727.7	765.2	802.6	812.0	918.1	1059.6	1130.3	1251.8	1494.6
135°	830.5	796.4	762.3	796.4	830.5	839.1	933.1	1058.6	1121.3	1223.0	1426.4
137.5°	865.3	831.5	797.7	831.5	865.3	873.7	955.7	1065.1	1119.8	1205.7	1377.6
140°	889.3	858.1	827.0	858.1	889.3	897.0	969.5	1066.2	1114.5	1188.8	1337.3
142.5°	907.2	878.4	849.6	878.4	907.2	914.3	981.1	1070.1	1114.5	1179.8	1310.2
145°	934.4	909.3	884.2	909.3	934.4	940.7	996.1	1070.1	1107.0	1160.4	1267.1
147.5°	967.7	943.3	918.9	943.3	967.7	973.8	1018.2	1077.4	1107.0	1148.9	1233.0
150°	985.6	963.6	941.5	963.6	985.6	991.1	1029.8	1081.2	1107.0	1142.5	1213.4
152.5°	998.3	981.5	964.7	981.5	998.3	1002.4	1037.3	1083.7	1107.0	1137.2	1197.8
155°	1024.1	1011.8	999.4	1011.8	1024.1	1027.2	1053.8	1089.3	1107.0	1131.1	1179.3
157.5°	1049.0	1037.0	1025.0	1037.0	1049.0	1052.0	1070.4	1094.8	1107.0	1125.7	1163.2
160°	1061.1	1051.7	1042.3	1051.7	1061.1	1063.4	1077.9	1097.3	1107.0	1123.1	1155.1
162.5°	1073.7	1066.6	1059.6	1066.6	1073.7	1075.4	1086.0	1100.0	1107.0	1120.6	1147.6
165°	1091.2	1084.8	1078.4	1084.8	1091.2	1092.7	1097.5	1103.8	1107.0	1116.7	1136.2
167.5°	1101.8	1098.7	1095.7	1098.7	1101.8	1102.5	1106.5	1111.8	1114.5	1120.9	1133.6
170°	1113.0	1110.0	1107.0	1110.0	1113.0	1113.8	1114.1	1114.4	1114.5	1120.9	1133.6
172.5°	1114.4	1113.7	1113.0	1113.7	1114.4	1114.5	1114.5	1114.5	1114.5	1119.6	1129.6
175°	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1119.1	1116.1	1114.5	1117.7	1124.1
177.5°	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1119.6	1117.2	1116.0	1118.5	1123.6
180°	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3



TEST NUMBER: P935699

CATALOG NUMBER: SQ4-FA-125U-100D-B35-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7
2.5°	1958.6	1952.9	1960.6	1939.5	1960.6	1952.9	1958.6	1972.1	1960.6	1968.2	1975.9
5°	1718.6	1709.0	1678.3	1653.3	1678.3	1709.0	1718.6	1758.9	1778.1	1812.7	1858.8
7.5°	1536.2	1528.5	1520.8	1505.4	1520.8	1528.5	1536.2	1547.7	1566.9	1597.7	1632.2
10°	1495.8	1497.8	1509.3	1507.4	1509.3	1497.8	1495.8	1492.1	1486.3	1492.1	1513.2
12.5°	1599.5	1616.9	1680.2	1676.4	1680.2	1616.9	1599.5	1522.8	1470.9	1461.3	1465.1
15°	1718.6	1724.3	1737.8	1739.7	1737.8	1724.3	1718.6	1687.9	1532.4	1465.1	1444.0
17.5°	1730.1	1732.1	1741.7	1741.7	1741.7	1732.1	1730.1	1716.7	1664.8	1574.6	1455.5
20°	1720.6	1724.3	1743.6	1747.4	1743.6	1724.3	1720.6	1703.2	1674.4	1641.8	1551.6
22.5°	1716.7	1724.3	1739.7	1737.8	1739.7	1724.3	1716.7	1689.8	1664.8	1641.8	1605.3
25°	1697.5	1697.5	1699.4	1701.4	1699.4	1697.5	1697.5	1676.4	1626.5	1620.7	1599.5
27.5°	1657.2	1661.0	1672.5	1670.7	1672.5	1661.0	1657.2	1649.5	1595.7	1589.9	1574.6
30°	1620.7	1616.9	1607.3	1599.5	1607.3	1616.9	1620.7	1609.1	1555.4	1540.0	1543.9
32.5°	1559.2	1549.6	1540.0	1534.3	1540.0	1549.6	1559.2	1555.4	1515.0	1493.9	1497.8
35°	1486.3	1488.2	1486.3	1480.5	1486.3	1488.2	1486.3	1490.1	1465.1	1445.9	1444.0
37.5°	1434.4	1438.3	1436.3	1428.7	1436.3	1438.3	1434.4	1430.5	1396.0	1390.2	1394.1
40°	1380.6	1382.6	1380.6	1374.9	1380.6	1382.6	1380.6	1373.0	1325.0	1326.9	1340.3
42.5°	1328.8	1326.9	1321.1	1317.3	1321.1	1326.9	1328.8	1317.3	1255.8	1250.1	1275.0
45°	1269.3	1271.2	1259.7	1253.9	1259.7	1271.2	1269.3	1261.6	1198.3	1182.9	1200.1
47.5°	1209.8	1209.8	1200.1	1194.4	1200.1	1209.8	1209.8	1200.1	1133.0	1117.5	1127.1
50°	1146.4	1144.5	1131.0	1129.1	1131.0	1144.5	1146.4	1140.6	1069.6	1056.1	1056.1
52.5°	1073.5	1073.5	1075.3	1079.2	1075.3	1073.5	1073.5	1075.3	1011.9	998.6	994.7
55°	1010.1	1011.9	1025.4	1029.3	1025.4	1011.9	1010.1	1010.1	952.4	939.0	931.3
57.5°	944.8	944.8	954.4	954.4	954.4	944.8	944.8	940.9	885.3	873.7	869.9
60°	869.9	873.7	881.4	879.5	881.4	873.7	869.9	866.0	818.0	810.4	796.9
62.5°	791.1	795.0	796.9	793.0	796.9	795.0	791.1	779.7	750.8	745.1	727.8
65°	708.5	712.4	714.3	710.5	714.3	712.4	708.5	702.8	681.7	672.1	656.7
67.5°	624.0	622.2	620.3	627.9	620.3	622.2	624.0	616.4	602.9	595.3	574.1
70°	537.7	537.7	535.8	539.5	535.8	537.7	537.7	531.9	524.2	518.5	499.2
72.5°	445.4	443.6	451.3	445.4	451.3	443.6	445.4	443.6	439.7	434.0	414.7
75°	355.2	359.1	355.2	361.0	355.2	359.1	355.2	357.2	355.2	351.4	338.0
77.5°	270.7	274.6	270.7	270.7	270.7	274.6	270.7	272.7	272.7	272.7	261.1
80°	192.1	190.1	190.1	188.2	190.1	190.1	192.1	192.1	193.9	190.1	186.2
82.5°	122.9	120.9	120.9	124.8	120.9	120.9	122.9	124.8	120.9	120.9	120.9
85°	67.2	69.1	65.3	65.3	65.3	69.1	67.2	63.4	67.2	67.2	65.3
87.5°	25.0	23.1	23.1	23.1	23.1	23.1	25.0	26.8	26.8	26.8	28.8
90°	28.6	28.6	28.6	28.6	28.6	28.6	28.6	38.1	50.8	57.2	49.1
92.5°	143.0	137.3	114.5	91.8	114.5	137.3	143.0	202.7	282.3	322.1	282.8
95°	485.4	468.1	399.2	330.3	399.2	468.1	485.4	637.4	840.1	941.5	795.2
97.5°	1120.6	1087.8	956.7	825.6	956.7	1087.8	1120.6	1216.7	1344.8	1408.8	1164.8
100°	1573.6	1534.5	1378.4	1222.2	1378.4	1534.5	1573.6	1566.6	1557.2	1552.5	1281.8
102.5°	1960.4	1927.0	1793.1	1659.4	1793.1	1927.0	1960.4	1838.0	1674.7	1593.1	1318.5
105°	2411.9	2393.9	2322.0	2250.1	2322.0	2393.9	2411.9	2137.5	1771.6	1588.7	1322.8
107.5°	2646.7	2651.1	2668.4	2685.9	2668.4	2651.1	2646.7	2264.0	1753.6	1498.4	1263.9
110°	2707.0	2725.7	2800.6	2875.5	2800.6	2725.7	2707.0	2279.0	1708.3	1423.1	1211.6



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2668.5	2697.3	2812.3	2927.4	2812.3	2697.3	2668.5	2230.5	1646.5	1354.6	1166.1
115°	2538.4	2578.3	2737.8	2897.3	2737.8	2578.3	2538.4	2116.5	1553.9	1272.6	1113.9
117.5°	2358.5	2402.7	2579.7	2756.6	2579.7	2402.7	2358.5	1977.7	1470.0	1216.1	1081.1
120°	2237.3	2280.3	2452.2	2624.1	2452.2	2280.3	2237.3	1889.4	1425.5	1193.5	1070.1
122.5°	2116.2	2158.5	2328.1	2497.7	2328.1	2158.5	2116.2	1802.9	1385.2	1176.3	1064.3
125°	1955.9	1995.0	2151.2	2307.4	2151.2	1995.0	1955.9	1689.7	1334.9	1157.5	1059.6
127.5°	1827.2	1860.2	1992.0	2123.8	1992.0	1860.2	1827.2	1598.8	1294.0	1141.7	1056.9
130°	1745.9	1776.4	1898.2	2019.9	1898.2	1776.4	1745.9	1542.5	1271.2	1135.6	1058.4
132.5°	1676.7	1703.9	1813.0	1922.0	1813.0	1703.9	1676.7	1494.6	1251.8	1130.3	1059.6
135°	1578.9	1602.3	1696.3	1790.3	1696.3	1602.3	1578.9	1426.4	1223.0	1121.3	1058.6
137.5°	1506.6	1525.8	1602.7	1679.7	1602.7	1525.8	1506.6	1377.6	1205.7	1119.8	1065.1
140°	1448.7	1466.7	1538.6	1610.5	1538.6	1466.7	1448.7	1337.3	1188.8	1114.5	1066.2
142.5°	1408.1	1423.6	1485.4	1547.3	1485.4	1423.6	1408.1	1310.2	1179.8	1114.5	1070.1
145°	1347.1	1358.8	1405.6	1452.4	1405.6	1358.8	1347.1	1267.1	1160.4	1107.0	1070.1
147.5°	1295.9	1305.6	1344.5	1383.2	1344.5	1305.6	1295.9	1233.0	1148.9	1107.0	1077.4
150°	1266.6	1274.4	1305.9	1337.3	1305.9	1274.4	1266.6	1213.4	1142.5	1107.0	1081.2
152.5°	1243.2	1249.1	1272.9	1296.6	1272.9	1249.1	1243.2	1197.8	1137.2	1107.0	1083.7
155°	1215.4	1219.4	1235.1	1250.8	1235.1	1219.4	1215.4	1179.3	1131.1	1107.0	1089.3
157.5°	1191.3	1194.0	1205.0	1216.1	1205.0	1194.0	1191.3	1163.2	1125.7	1107.0	1094.8
160°	1179.3	1180.8	1187.2	1193.5	1187.2	1180.8	1179.3	1155.1	1123.1	1107.0	1097.3
162.5°	1167.9	1169.5	1175.5	1181.5	1175.5	1169.5	1167.9	1147.6	1120.6	1107.0	1100.0
165°	1150.7	1152.2	1158.6	1164.9	1158.6	1152.2	1150.7	1136.2	1116.7	1107.0	1103.8
167.5°	1143.1	1143.8	1146.4	1149.1	1146.4	1143.8	1143.1	1133.6	1120.9	1114.5	1111.8
170°	1143.1	1143.1	1143.1	1143.1	1143.1	1143.1	1143.1	1133.6	1120.9	1114.5	1114.4
172.5°	1137.1	1136.5	1134.2	1131.9	1134.2	1136.5	1137.1	1129.6	1119.6	1114.5	1114.5
175°	1128.9	1128.9	1128.9	1128.9	1128.9	1128.9	1128.9	1124.1	1117.7	1114.5	1116.1
177.5°	1127.3	1126.7	1124.0	1121.3	1124.0	1126.7	1127.3	1123.6	1118.5	1116.0	1117.2
180°	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2029.7	2029.7	2029.7	2029.7	2029.7
2.5°	2004.8	2014.4	2020.1	2027.7	2047.0
5°	1927.9	1964.5	1975.9	2004.8	2039.3
7.5°	1758.9	1870.3	1901.1	1970.2	2024.0
10°	1595.7	1707.1	1760.9	1924.0	2004.8
12.5°	1513.2	1578.4	1614.9	1843.4	1977.8
15°	1461.3	1507.4	1534.3	1735.9	1947.1
17.5°	1420.9	1453.6	1472.8	1630.2	1904.9
20°	1396.0	1411.3	1428.7	1553.5	1856.9
22.5°	1378.7	1369.1	1382.6	1499.7	1791.6
25°	1367.3	1330.7	1346.1	1457.5	1714.7
27.5°	1376.9	1296.1	1301.9	1419.1	1634.1
30°	1378.7	1253.9	1255.8	1378.7	1543.9
32.5°	1365.3	1209.8	1211.6	1328.8	1442.1
35°	1332.7	1157.9	1156.0	1271.2	1303.9
37.5°	1288.5	1102.2	1102.2	1207.9	1152.1
40°	1234.7	1046.5	1052.3	1125.3	1017.7
42.5°	1169.4	987.0	994.7	1015.8	917.8
45°	1098.4	929.4	935.2	858.3	841.1
47.5°	1019.7	869.9	871.8	712.4	816.1
50°	925.6	808.4	800.8	610.7	814.2
52.5°	843.0	741.2	718.1	553.0	739.3
55°	762.3	670.2	620.3	508.8	685.6
57.5°	691.3	578.0	529.9	457.0	674.0
60°	626.0	487.7	451.3	401.4	618.3
62.5°	572.2	420.5	412.9	362.9	560.7
65°	514.6	374.4	372.5	330.2	476.3
67.5°	458.9	343.7	341.8	299.5	362.9
70°	399.4	311.0	307.3	267.0	268.8
72.5°	338.0	274.6	270.7	240.0	222.8
75°	276.6	232.4	230.4	209.3	180.5
77.5°	217.0	184.3	188.2	169.0	132.5
80°	155.5	134.4	138.3	120.9	99.8
82.5°	103.7	88.4	92.2	76.8	67.2
85°	57.7	49.9	51.8	40.3	30.7
87.5°	26.8	23.1	23.1	15.4	9.6
90°	33.0	21.0	19.6	13.6	7.6
92.5°	204.2	145.3	132.5	81.3	30.1
95°	502.4	282.9	259.5	165.9	72.3
97.5°	676.7	310.8	290.1	207.5	124.9
100°	740.2	334.1	315.4	240.5	165.6
102.5°	769.4	357.5	340.0	270.1	200.2
105°	790.9	392.1	377.2	318.1	258.9
107.5°	795.0	443.2	429.5	374.2	319.1
110°	788.9	471.8	459.3	409.5	359.7



TEST NUMBER: P935699

CATALOG NUMBER: SQ4-FA-125U-100D-B35-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	789.2	506.5	494.6	447.1	399.6
115°	796.5	558.4	547.5	503.6	459.8
117.5°	811.2	608.8	598.8	559.1	519.3
120°	823.3	638.2	628.8	591.4	553.9
122.5°	840.6	672.8	663.4	625.6	587.8
125°	864.0	717.2	708.5	674.1	639.6
127.5°	887.3	760.1	751.4	716.6	681.8
130°	904.3	788.7	779.3	741.9	704.4
132.5°	918.1	812.0	802.6	765.2	727.7
135°	933.1	839.1	830.5	796.4	762.3
137.5°	955.7	873.7	865.3	831.5	797.7
140°	969.5	897.0	889.3	858.1	827.0
142.5°	981.1	914.3	907.2	878.4	849.6
145°	996.1	940.7	934.4	909.3	884.2
147.5°	1018.2	973.8	967.7	943.3	918.9
150°	1029.8	991.1	985.6	963.6	941.5
152.5°	1037.3	1002.4	998.3	981.5	964.7
155°	1053.8	1027.2	1024.1	1011.8	999.4
157.5°	1070.4	1052.0	1049.0	1037.0	1025.0
160°	1077.9	1063.4	1061.1	1051.7	1042.3
162.5°	1086.0	1075.4	1073.7	1066.6	1059.6
165°	1097.5	1092.7	1091.2	1084.8	1078.4
167.5°	1106.5	1102.5	1101.8	1098.7	1095.7
170°	1114.1	1113.8	1113.0	1110.0	1107.0
172.5°	1114.5	1114.5	1114.4	1113.7	1113.0
175°	1119.1	1121.3	1121.3	1121.3	1121.3
177.5°	1119.6	1121.3	1121.3	1121.3	1121.3
180°	1121.3	1121.3	1121.3	1121.3	1121.3



TEST NUMBER: P935699  
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**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	12.81	13.60	13.83	14.63	16.01	15.63	16.43	16.65	17.46	18.84
	3H	13.28	13.99	14.31	15.03	16.43	16.97	17.68	18.00	18.72	20.12
	4H	13.47	14.14	14.51	15.18	16.59	17.41	18.08	18.46	19.13	20.53
	6H	13.58	14.20	14.64	15.25	16.67	17.69	18.31	18.75	19.36	20.78
	8H	13.58	14.17	14.64	15.23	16.65	17.76	18.35	18.82	19.41	20.83
	12H	13.55	14.11	14.62	15.17	16.61	17.80	18.36	18.86	19.41	20.85
4H	2H	13.83	14.50	14.88	15.55	16.95	16.03	16.71	17.08	17.75	19.16
	3H	14.85	15.41	15.91	16.48	17.90	17.53	18.09	18.59	19.16	20.58
	4H	15.12	15.64	16.19	16.70	18.14	18.05	18.57	19.12	19.63	21.07
	6H	15.25	15.69	16.32	16.77	18.21	18.41	18.86	19.49	19.94	21.38
	8H	15.25	15.66	16.33	16.74	18.19	18.52	18.93	19.59	20.01	21.46
	12H	15.21	15.59	16.31	16.68	18.14	18.57	18.94	19.66	20.04	21.49
8H	4H	15.57	15.98	16.65	17.06	18.51	18.17	18.59	19.25	19.66	21.12
	6H	15.83	16.17	16.93	17.29	18.74	18.61	18.95	19.70	20.07	21.52
	8H	15.87	16.17	16.98	17.27	18.74	18.76	19.06	19.86	20.16	21.63
	12H	15.85	16.12	16.96	17.21	18.72	18.85	19.11	19.96	20.21	21.72
12H	4H	15.57	15.95	16.67	17.04	18.50	18.14	18.51	19.23	19.60	21.06
	6H	15.89	16.19	17.00	17.29	18.76	18.60	18.90	19.71	20.00	21.47
	8H	15.95	16.22	17.06	17.31	18.82	18.76	19.02	19.87	20.12	21.63