

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: P935624

Luminaire Tested: SQ4-FA-125U-100D-927-1D-UNV-STD-W-8

Issue Date: 12/17/2024

**Test Information**

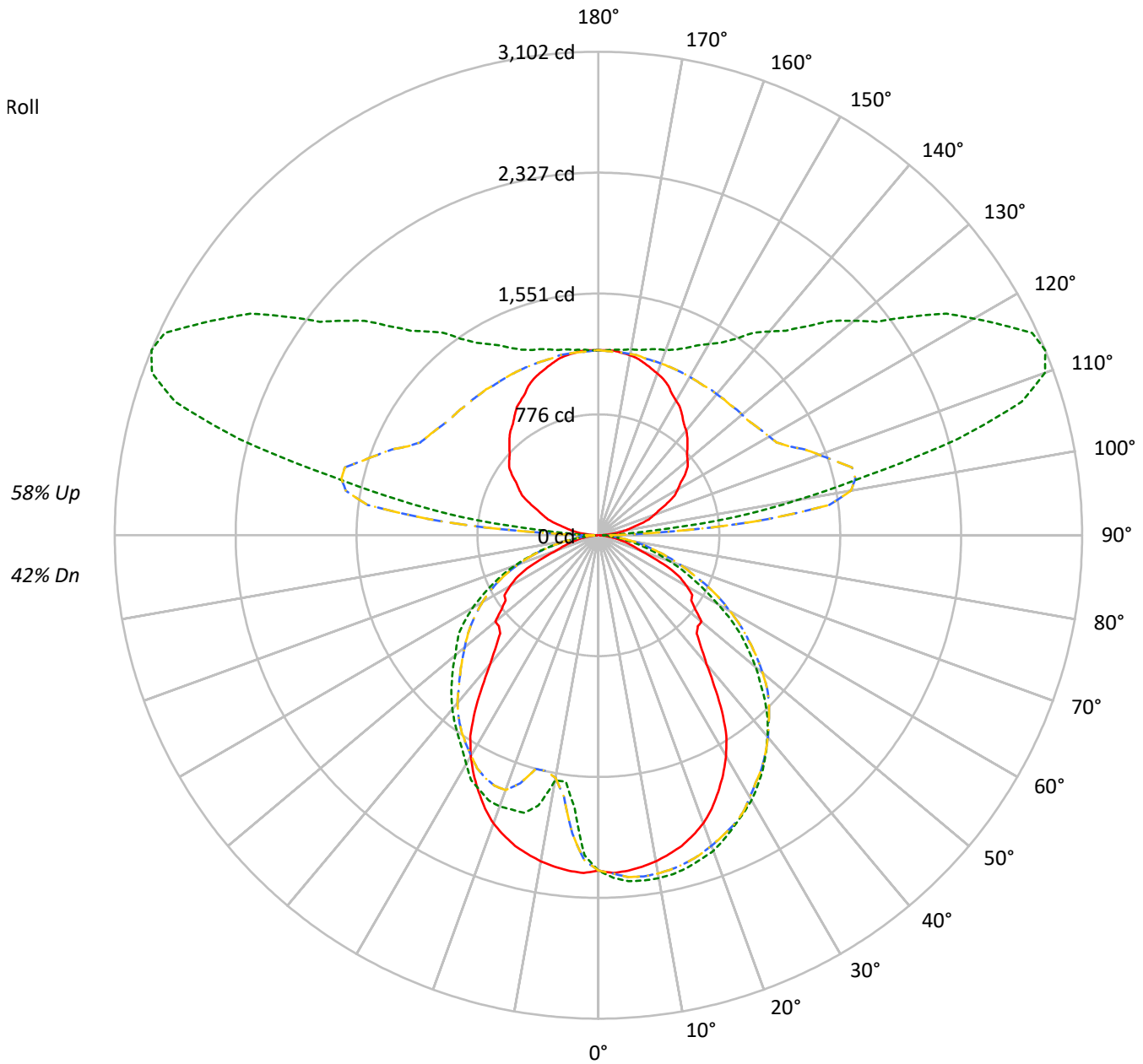
Test Method: LM-79-2019  
Report Number: P935624  
REPORT IS A COMBINATION OF REPORTS P933764 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-100D-927-1D-UNV-STD-W-8  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13282.5 lumens  
Efficiency: N/A  
Efficacy: 103.1 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')  
CIE Type: General Diffuse  
  
Input Watts (W): 128.8  
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				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°	9978	9978	9978	9978
5°	10053	10073	10053	7920
10°	9986	9922	9986	7093
15°	9877	9707	9877	8106
20°	9671	9453	9671	8123
25°	9248	9081	9248	7950
30°	8701	8773	8701	7573
35°	7757	8383	7757	7157
40°	6464	7924	6464	6843
45°	5775	7386	5775	6482
50°	6136	6745	6136	6120
55°	5773	6054	5773	5911
60°	5951	5142	5951	5414
65°	5395	4251	5395	4751
70°	3735	3387	3735	3982
75°	3276	2504	3276	2998
80°	2640	1655	2640	1803
85°	1518	877	1518	744

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 8852 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	194.1	1.5
10°-20°	551.2	4.1
20°-30°	852.1	6.4
30°-40°	1017.2	7.7
40°-50°	1023.2	7.7
50°-60°	890.3	6.7
60°-70°	631.2	4.8
70°-80°	333.9	2.5
80°-90°	87.7	0.7
90°-100°	579.1	4.4
100°-110°	1522.5	11.5
110°-120°	1578.7	11.9
120°-130°	1266.3	9.5
130°-140°	993.6	7.5
140°-150°	762.6	5.7
150°-160°	549.2	4.1
160°-170°	336.0	2.5
170°-180°	113.5	0.9
0°-30°	1597.4	12.0
0°-40°	2614.6	19.7
0°-60°	4528.0	34.1
0°-90°	5580.9	42.0
90°-120°	3680.3	27.7
90°-150°	6702.9	50.5
90°-180°	7702.0	58.0
0°-180°	13282.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2151	2151	2151	2151	2151	
5°	2161	2228	2161	1752	2161	205
15°	2063	2208	2063	1844	2063	581
25°	1817	2059	1817	1803	1817	834
35°	1382	1837	1382	1569	1382	855
45°	891	1514	891	1329	891	714
55°	726	1117	726	1091	726	667
65°	505	674	505	753	505	482
75°	191	320	191	382	191	201
85°	33	81	33	69	33	44
90°	8	30	8	30	8	8
95°	76	350	76	350	76	85
105°	274	2384	274	2384	274	291
115°	487	3070	487	3070	487	481
125°	678	2445	678	2445	678	602
135°	808	1897	808	1897	808	625
145°	937	1539	937	1539	937	587
155°	1059	1325	1059	1325	1059	487
165°	1143	1234	1143	1234	1143	322
175°	1188	1196	1188	1196	1188	113
180°	1188	1188	1188	1188	1188	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2150.7	2150.7	2150.7	2150.7	2150.7	2150.7	2150.7	2150.7	2150.7	2150.7	2150.7
2.5°	2169.0	2169.0	2181.2	2185.3	2185.3	2179.2	2173.1	2179.2	2197.5	2203.6	2201.6
5°	2160.9	2177.1	2199.5	2203.6	2207.7	2205.6	2201.6	2205.6	2226.0	2230.1	2232.1
7.5°	2144.6	2175.1	2203.6	2209.7	2215.8	2209.7	2207.7	2211.7	2232.1	2236.2	2236.2
10°	2124.2	2166.9	2199.5	2203.6	2209.7	2203.6	2203.6	2211.7	2232.1	2236.2	2238.2
12.5°	2095.7	2154.8	2185.3	2189.3	2197.5	2195.4	2193.4	2201.6	2221.9	2226.0	2226.0
15°	2063.2	2132.4	2160.9	2164.9	2179.2	2175.1	2175.1	2183.3	2205.6	2211.7	2209.7
17.5°	2018.4	2103.9	2136.4	2142.5	2152.7	2150.7	2152.7	2160.9	2181.2	2185.3	2187.3
20°	1967.6	2065.2	2103.9	2110.0	2120.2	2120.2	2120.2	2130.4	2150.7	2158.8	2158.8
22.5°	1898.4	2024.6	2065.2	2069.3	2081.5	2081.5	2085.5	2099.8	2118.1	2120.2	2120.2
25°	1817.0	1979.7	2014.3	2026.6	2038.8	2044.9	2051.0	2059.1	2065.2	2063.2	2065.2
27.5°	1731.5	1922.8	1967.6	1975.7	1992.0	1998.1	2006.2	2008.2	2010.3	2016.4	2012.3
30°	1635.9	1843.5	1910.6	1918.8	1945.2	1949.3	1941.1	1945.2	1955.3	1959.4	1963.5
32.5°	1528.1	1725.4	1851.6	1869.9	1894.3	1882.1	1880.0	1886.2	1902.4	1902.4	1906.5
35°	1381.5	1633.9	1796.6	1812.9	1831.2	1817.0	1825.1	1827.1	1837.4	1843.5	1841.4
37.5°	1220.8	1554.5	1739.7	1751.9	1766.1	1747.8	1760.0	1766.1	1774.2	1770.2	1770.2
40°	1078.4	1430.4	1672.5	1680.7	1692.8	1678.6	1690.8	1694.9	1699.0	1694.9	1692.8
42.5°	972.6	1294.1	1601.3	1611.5	1603.4	1613.5	1617.6	1625.7	1619.6	1611.5	1611.5
45°	891.2	1257.4	1524.0	1536.2	1524.0	1540.3	1546.4	1546.4	1528.1	1524.0	1522.0
47.5°	864.8	1184.2	1446.7	1446.7	1440.6	1460.9	1471.1	1456.8	1438.5	1432.4	1432.4
50°	862.7	1102.8	1340.9	1332.7	1361.2	1385.6	1375.5	1361.2	1347.0	1324.6	1324.6
52.5°	783.4	1003.1	1204.5	1235.1	1279.8	1294.1	1277.8	1263.6	1239.2	1229.0	1220.8
55°	726.4	899.4	1080.5	1141.4	1188.3	1206.6	1176.0	1161.9	1125.2	1119.1	1115.0
57.5°	714.2	748.7	966.5	1043.8	1100.8	1098.7	1080.5	1054.0	1023.5	1017.3	1015.3
60°	655.2	541.2	844.4	935.9	995.0	988.8	972.6	948.2	919.7	915.6	911.5
62.5°	594.1	392.7	706.0	809.8	893.2	891.2	877.0	840.3	820.0	809.8	801.6
65°	504.6	329.6	502.6	673.5	793.6	797.6	767.1	740.7	718.3	706.0	704.0
67.5°	384.5	268.6	339.8	561.6	697.9	693.8	655.2	643.0	614.5	608.4	596.1
70°	284.8	179.0	236.0	455.8	604.3	594.1	563.6	549.4	522.9	508.7	500.5
72.5°	236.0	144.5	172.9	354.0	508.7	496.5	470.0	453.8	431.4	419.1	411.0
75°	191.3	152.6	132.3	262.5	413.0	404.9	380.5	364.2	345.9	329.6	331.6
77.5°	140.4	142.5	105.8	193.3	327.6	315.4	301.1	280.8	272.7	256.4	256.4
80°	105.8	111.9	79.4	132.3	236.0	236.0	223.8	209.6	195.3	187.2	187.2
82.5°	71.2	71.2	59.0	83.4	160.8	154.6	146.5	142.5	134.3	130.2	130.2
85°	32.6	40.7	36.7	50.9	87.5	91.6	91.6	87.5	85.5	81.4	83.4
87.5°	10.2	18.3	22.4	28.5	44.7	46.8	48.8	48.8	48.8	50.9	50.9
90°	8.0	14.4	20.7	22.3	35.1	52.1	60.6	53.8	40.3	30.3	30.3
92.5°	31.9	86.1	140.4	153.9	216.4	299.6	341.3	299.1	214.8	151.5	145.5
95°	76.5	175.8	275.0	299.8	532.4	842.5	997.5	890.1	675.4	514.3	496.0
97.5°	132.4	219.9	307.5	329.3	717.1	1234.2	1492.6	1424.8	1289.1	1187.3	1152.5
100°	175.4	254.8	334.2	354.0	784.3	1358.0	1645.0	1649.9	1659.8	1667.3	1625.9
102.5°	212.1	286.1	360.2	378.8	815.2	1397.1	1688.0	1774.5	1947.4	2077.1	2041.7
105°	274.3	337.0	399.7	415.4	838.0	1401.5	1683.2	1877.0	2264.7	2555.5	2536.5
107.5°	338.1	396.6	455.0	469.6	842.2	1339.1	1587.5	1857.9	2398.7	2804.3	2808.9
110°	381.2	434.0	486.8	500.0	835.9	1283.8	1507.8	1810.1	2414.6	2868.0	2887.9



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	423.4	473.7	524.1	536.6	836.1	1235.5	1435.2	1744.6	2363.3	2827.4	2857.9
115°	487.2	533.6	580.0	591.6	843.8	1180.2	1348.3	1646.3	2242.4	2689.5	2731.7
117.5°	550.2	592.4	634.5	645.0	859.6	1145.5	1288.5	1557.5	2095.4	2498.9	2545.8
120°	586.8	626.5	666.2	676.1	872.3	1133.8	1264.6	1510.4	2001.8	2370.5	2416.0
122.5°	622.7	662.7	702.8	712.8	890.6	1127.7	1246.2	1467.5	1910.2	2242.2	2287.1
125°	677.8	714.3	750.8	759.8	915.3	1122.7	1226.3	1414.3	1790.3	2072.3	2113.6
127.5°	722.4	759.3	796.1	805.3	940.1	1119.7	1209.6	1371.0	1693.8	1935.9	1970.8
130°	746.3	786.0	825.7	835.6	958.1	1121.5	1203.2	1346.9	1634.3	1849.8	1882.1
132.5°	771.0	810.7	850.4	860.3	972.7	1122.7	1197.6	1326.2	1583.5	1776.5	1805.3
135°	807.7	843.8	880.0	889.0	988.7	1121.6	1188.0	1295.8	1511.2	1672.8	1697.7
137.5°	845.2	881.0	916.8	925.7	1012.6	1128.5	1186.4	1277.5	1459.7	1596.3	1616.7
140°	876.3	909.2	942.2	950.4	1027.3	1129.7	1180.9	1259.6	1416.9	1534.9	1553.9
142.5°	900.2	930.7	961.1	968.7	1039.4	1133.7	1180.9	1249.9	1388.2	1491.8	1508.2
145°	936.9	963.4	990.1	996.7	1055.4	1133.7	1172.9	1229.4	1342.5	1427.3	1439.7
147.5°	973.6	999.5	1025.3	1031.8	1078.8	1141.5	1172.9	1217.4	1306.3	1373.1	1383.3
150°	997.5	1020.9	1044.3	1050.1	1091.0	1145.6	1172.9	1210.4	1285.6	1342.0	1350.3
152.5°	1022.2	1039.9	1057.6	1062.1	1099.0	1148.2	1172.9	1205.0	1269.1	1317.2	1323.6
155°	1058.9	1072.0	1085.1	1088.4	1116.6	1154.1	1172.9	1198.4	1249.5	1287.7	1291.9
157.5°	1086.0	1098.7	1111.5	1114.7	1134.1	1159.9	1172.9	1192.7	1232.4	1262.2	1265.1
160°	1104.3	1114.3	1124.2	1126.7	1142.1	1162.6	1172.9	1189.9	1223.9	1249.4	1251.1
162.5°	1122.7	1130.1	1137.5	1139.4	1150.5	1165.4	1172.9	1187.2	1215.9	1237.5	1239.1
165°	1142.6	1149.4	1156.1	1157.8	1162.8	1169.5	1172.9	1183.2	1203.7	1219.1	1220.8
167.5°	1160.9	1164.1	1167.3	1168.1	1172.3	1178.0	1180.9	1187.6	1201.0	1211.1	1211.8
170°	1172.9	1176.1	1179.3	1180.1	1180.3	1180.7	1180.9	1187.6	1201.0	1211.1	1211.1
172.5°	1179.3	1179.9	1180.7	1180.9	1180.9	1180.9	1180.9	1186.2	1196.8	1204.8	1204.2
175°	1188.0	1188.0	1188.0	1188.0	1185.6	1182.5	1180.9	1184.3	1191.0	1196.0	1196.0
177.5°	1188.0	1188.0	1188.0	1188.0	1186.2	1183.7	1182.5	1185.1	1190.4	1194.4	1193.7
180°	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2150.7	2150.7	2150.7	2150.7	2150.7	2150.7	2150.7	2150.7	2150.7	2150.7	2150.7
2.5°	2205.6	2199.5	2205.6	2201.6	2203.6	2197.5	2179.2	2173.1	2179.2	2185.3	2185.3
5°	2232.1	2228.0	2232.1	2232.1	2230.1	2226.0	2205.6	2201.6	2205.6	2207.7	2203.6
7.5°	2240.2	2234.1	2240.2	2236.2	2236.2	2232.1	2211.7	2207.7	2209.7	2215.8	2209.7
10°	2240.2	2234.1	2240.2	2238.2	2236.2	2232.1	2211.7	2203.6	2203.6	2209.7	2203.6
12.5°	2230.1	2226.0	2230.1	2226.0	2226.0	2221.9	2201.6	2193.4	2195.4	2197.5	2189.3
15°	2213.8	2207.7	2213.8	2209.7	2211.7	2205.6	2183.3	2175.1	2175.1	2179.2	2164.9
17.5°	2189.3	2181.2	2189.3	2187.3	2185.3	2181.2	2160.9	2152.7	2150.7	2152.7	2142.5
20°	2160.9	2154.8	2160.9	2158.8	2158.8	2150.7	2130.4	2120.2	2120.2	2120.2	2110.0
22.5°	2116.1	2110.0	2116.1	2120.2	2120.2	2118.1	2099.8	2085.5	2081.5	2081.5	2069.3
25°	2065.2	2059.1	2065.2	2065.2	2063.2	2065.2	2059.1	2051.0	2044.9	2038.8	2026.6
27.5°	2016.4	2012.3	2016.4	2012.3	2016.4	2010.3	2008.2	2006.2	1998.1	1992.0	1975.7
30°	1967.6	1963.5	1967.6	1963.5	1959.4	1955.3	1945.2	1941.1	1949.3	1945.2	1918.8
32.5°	1906.5	1902.4	1906.5	1906.5	1902.4	1902.4	1886.2	1880.0	1882.1	1894.3	1869.9
35°	1843.5	1837.4	1843.5	1841.4	1843.5	1837.4	1827.1	1825.1	1817.0	1831.2	1812.9
37.5°	1770.2	1764.1	1770.2	1770.2	1770.2	1774.2	1766.1	1760.0	1747.8	1766.1	1751.9
40°	1694.9	1686.8	1694.9	1692.8	1694.9	1699.0	1694.9	1690.8	1678.6	1692.8	1680.7
42.5°	1609.5	1607.5	1609.5	1611.5	1611.5	1619.6	1625.7	1617.6	1613.5	1603.4	1611.5
45°	1517.9	1513.8	1517.9	1522.0	1524.0	1528.1	1546.4	1546.4	1540.3	1524.0	1536.2
47.5°	1420.2	1410.0	1420.2	1432.4	1432.4	1438.5	1456.8	1471.1	1460.9	1440.6	1446.7
50°	1316.5	1318.5	1316.5	1324.6	1324.6	1347.0	1361.2	1375.5	1385.6	1361.2	1332.7
52.5°	1214.8	1212.7	1214.8	1220.8	1229.0	1239.2	1263.6	1277.8	1294.1	1279.8	1235.1
55°	1113.0	1117.0	1113.0	1115.0	1119.1	1125.2	1161.9	1176.0	1206.6	1188.3	1141.4
57.5°	1011.2	1005.2	1011.2	1015.3	1017.3	1023.5	1054.0	1080.5	1098.7	1100.8	1043.8
60°	893.2	885.1	893.2	911.5	915.6	919.7	948.2	972.6	988.8	995.0	935.9
62.5°	789.5	775.2	789.5	801.6	809.8	820.0	840.3	877.0	891.2	893.2	809.8
65°	679.6	673.5	679.6	704.0	706.0	718.3	740.7	767.1	797.6	793.6	673.5
67.5°	579.9	579.9	579.9	596.1	608.4	614.5	643.0	655.2	693.8	697.9	561.6
70°	488.3	486.3	488.3	500.5	508.7	522.9	549.4	563.6	594.1	604.3	455.8
72.5°	400.9	398.8	400.9	411.0	419.1	431.4	453.8	470.0	496.5	508.7	354.0
75°	323.6	319.5	323.6	331.6	329.6	345.9	364.2	380.5	404.9	413.0	262.5
77.5°	248.2	248.2	248.2	256.4	256.4	272.7	280.8	301.1	315.4	327.6	193.3
80°	185.2	183.1	185.2	187.2	187.2	195.3	209.6	223.8	236.0	236.0	132.3
82.5°	130.2	126.1	130.2	130.2	130.2	134.3	142.5	146.5	154.6	160.8	83.4
85°	81.4	81.4	81.4	83.4	81.4	85.5	87.5	91.6	91.6	87.5	50.9
87.5°	52.9	50.9	52.9	50.9	50.9	48.8	48.8	48.8	46.8	44.7	28.5
90°	30.3	30.3	30.3	30.3	30.3	40.3	53.8	60.6	52.1	35.1	22.3
92.5°	121.4	97.3	121.4	145.5	151.5	214.8	299.1	341.3	299.6	216.4	153.9
95°	423.0	350.0	423.0	496.0	514.3	675.4	890.1	997.5	842.5	532.4	299.8
97.5°	1013.6	874.7	1013.6	1152.5	1187.3	1289.1	1424.8	1492.6	1234.2	717.1	329.3
100°	1460.4	1294.9	1460.4	1625.9	1667.3	1659.8	1649.9	1645.0	1358.0	784.3	354.0
102.5°	1899.9	1758.1	1899.9	2041.7	2077.1	1947.4	1774.5	1688.0	1397.1	815.2	378.8
105°	2460.2	2384.1	2460.2	2536.5	2555.5	2264.7	1877.0	1683.2	1401.5	838.0	415.4
107.5°	2827.3	2845.7	2827.3	2808.9	2804.3	2398.7	1857.9	1587.5	1339.1	842.2	469.6
110°	2967.3	3046.7	2967.3	2887.9	2868.0	2414.6	1810.1	1507.8	1283.8	835.9	500.0





TEST NUMBER: P935624

CATALOG NUMBER: SQ4-FA-125U-100D-927-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2979.7	3101.6	2979.7	2857.9	2827.4	2363.3	1744.6	1435.2	1235.5	836.1	536.6
115°	2900.7	3069.8	2900.7	2731.7	2689.5	2242.4	1646.3	1348.3	1180.2	843.8	591.6
117.5°	2733.2	2920.7	2733.2	2545.8	2498.9	2095.4	1557.5	1288.5	1145.5	859.6	645.0
120°	2598.2	2780.3	2598.2	2416.0	2370.5	2001.8	1510.4	1264.6	1133.8	872.3	676.1
122.5°	2466.8	2646.4	2466.8	2287.1	2242.2	1910.2	1467.5	1246.2	1127.7	890.6	712.8
125°	2279.2	2444.7	2279.2	2113.6	2072.3	1790.3	1414.3	1226.3	1122.7	915.3	759.8
127.5°	2110.5	2250.1	2110.5	1970.8	1935.9	1693.8	1371.0	1209.6	1119.7	940.1	805.3
130°	2011.1	2140.1	2011.1	1882.1	1849.8	1634.3	1346.9	1203.2	1121.5	958.1	835.6
132.5°	1920.9	2036.4	1920.9	1805.3	1776.5	1583.5	1326.2	1197.6	1122.7	972.7	860.3
135°	1797.3	1896.9	1797.3	1697.7	1672.8	1511.2	1295.8	1188.0	1121.6	988.7	889.0
137.5°	1698.2	1779.7	1698.2	1616.7	1596.3	1459.7	1277.5	1186.4	1128.5	1012.6	925.7
140°	1630.2	1706.3	1630.2	1553.9	1534.9	1416.9	1259.6	1180.9	1129.7	1027.3	950.4
142.5°	1573.7	1639.3	1573.7	1508.2	1491.8	1388.2	1249.9	1180.9	1133.7	1039.4	968.7
145°	1489.3	1538.8	1489.3	1439.7	1427.3	1342.5	1229.4	1172.9	1133.7	1055.4	996.7
147.5°	1424.4	1465.5	1424.4	1383.3	1373.1	1306.3	1217.4	1172.9	1141.5	1078.8	1031.8
150°	1383.6	1416.9	1383.6	1350.3	1342.0	1285.6	1210.4	1172.9	1145.6	1091.0	1050.1
152.5°	1348.7	1373.8	1348.7	1323.6	1317.2	1269.1	1205.0	1172.9	1148.2	1099.0	1062.1
155°	1308.5	1325.2	1308.5	1291.9	1287.7	1249.5	1198.4	1172.9	1154.1	1116.6	1088.4
157.5°	1276.8	1288.5	1276.8	1265.1	1262.2	1232.4	1192.7	1172.9	1159.9	1134.1	1114.7
160°	1257.8	1264.6	1257.8	1251.1	1249.4	1223.9	1189.9	1172.9	1162.6	1142.1	1126.7
162.5°	1245.5	1251.9	1245.5	1239.1	1237.5	1215.9	1187.2	1172.9	1165.4	1150.5	1139.4
165°	1227.5	1234.3	1227.5	1220.8	1219.1	1203.7	1183.2	1172.9	1169.5	1162.8	1157.8
167.5°	1214.7	1217.5	1214.7	1211.8	1211.1	1201.0	1187.6	1180.9	1178.0	1172.3	1168.1
170°	1211.1	1211.1	1211.1	1211.1	1211.1	1201.0	1187.6	1180.9	1180.7	1180.3	1180.1
172.5°	1201.7	1199.2	1201.7	1204.2	1204.8	1196.8	1186.2	1180.9	1180.9	1180.9	1180.9
175°	1196.0	1196.0	1196.0	1196.0	1196.0	1191.0	1184.3	1180.9	1182.5	1185.6	1188.0
177.5°	1190.9	1188.0	1190.9	1193.7	1194.4	1190.4	1185.1	1182.5	1183.7	1186.2	1188.0
180°	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0



TEST NUMBER: P935624

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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2150.7	2150.7	2150.7	2150.7	2150.7	2150.7	2150.7	2150.7	2150.7	2150.7	2150.7
2.5°	2181.2	2169.0	2169.0	2148.7	2140.5	2134.4	2124.2	2093.7	2085.5	2077.5	2089.6
5°	2199.5	2177.1	2160.9	2124.2	2093.7	2081.5	2042.8	1969.6	1920.8	1884.1	1863.8
7.5°	2203.6	2175.1	2144.6	2087.6	2014.3	1981.8	1863.8	1729.5	1692.8	1660.4	1639.9
10°	2199.5	2166.9	2124.2	2038.8	1865.8	1808.9	1690.8	1603.4	1581.0	1574.9	1581.0
12.5°	2185.3	2154.8	2095.7	1953.3	1711.2	1672.5	1603.4	1552.5	1548.4	1558.6	1613.5
15°	2160.9	2132.4	2063.2	1839.4	1625.7	1597.2	1548.4	1530.1	1552.5	1623.7	1788.5
17.5°	2136.4	2103.9	2018.4	1727.5	1560.6	1540.3	1505.7	1542.3	1668.4	1764.1	1819.0
20°	2103.9	2065.2	1967.6	1646.1	1513.8	1495.5	1479.2	1644.0	1739.7	1774.2	1804.8
22.5°	2065.2	2024.6	1898.4	1589.1	1465.0	1450.8	1460.9	1701.0	1739.7	1764.1	1790.6
25°	2014.3	1979.7	1817.0	1544.3	1426.3	1410.0	1448.7	1694.9	1717.3	1723.4	1776.3
27.5°	1967.6	1922.8	1731.5	1503.7	1379.5	1373.4	1458.9	1668.4	1684.8	1690.8	1747.8
30°	1910.6	1843.5	1635.9	1460.9	1330.7	1328.6	1460.9	1635.9	1631.9	1648.1	1705.1
32.5°	1851.6	1725.4	1528.1	1408.0	1283.9	1281.9	1446.7	1587.0	1583.0	1605.4	1648.1
35°	1796.6	1633.9	1381.5	1347.0	1224.9	1226.9	1412.1	1530.1	1532.1	1552.5	1579.0
37.5°	1739.7	1554.5	1220.8	1279.8	1167.9	1167.9	1365.3	1477.2	1473.2	1479.2	1515.8
40°	1672.5	1430.4	1078.4	1192.3	1115.0	1108.9	1308.3	1420.2	1405.9	1403.9	1454.8
42.5°	1601.3	1294.1	972.6	1076.4	1054.0	1045.8	1239.2	1351.0	1324.6	1330.7	1395.8
45°	1524.0	1257.4	891.2	909.5	990.9	984.8	1163.9	1271.7	1253.4	1269.7	1336.8
47.5°	1446.7	1184.2	864.8	754.9	923.8	921.7	1080.5	1194.3	1184.2	1200.5	1271.7
50°	1340.9	1102.8	862.7	647.0	848.5	856.6	980.7	1119.1	1119.1	1133.4	1208.6
52.5°	1204.5	1003.1	783.4	586.0	761.0	785.4	893.2	1054.0	1058.1	1072.3	1139.4
55°	1080.5	899.4	726.4	539.2	657.2	710.1	807.8	986.8	995.0	1009.2	1070.2
57.5°	966.5	748.7	714.2	484.3	561.6	612.5	732.5	921.7	925.8	938.0	997.0
60°	844.4	541.2	655.2	425.3	478.2	516.8	663.3	844.4	858.6	866.8	917.7
62.5°	706.0	392.7	594.1	384.5	437.4	445.6	606.4	771.2	789.5	795.6	826.1
65°	502.6	329.6	504.6	350.0	394.7	396.8	545.3	695.8	712.2	722.3	744.7
67.5°	339.8	268.6	384.5	317.4	362.2	364.2	486.3	608.4	630.8	638.9	653.1
70°	236.0	179.0	284.8	282.8	325.6	329.6	423.2	529.0	549.4	555.5	563.6
72.5°	172.9	144.5	236.0	254.3	286.9	291.0	358.1	439.5	459.8	465.9	470.0
75°	132.3	152.6	191.3	221.8	244.2	246.2	293.0	358.1	372.4	376.5	378.5
77.5°	105.8	142.5	140.4	179.0	199.4	195.3	229.9	276.7	288.9	288.9	288.9
80°	79.4	111.9	105.8	128.2	146.5	142.5	164.8	197.4	201.4	205.5	203.4
82.5°	59.0	71.2	71.2	81.4	97.6	93.6	109.9	128.2	128.2	128.2	132.3
85°	36.7	40.7	32.6	42.7	54.9	52.9	61.1	69.1	71.2	71.2	67.1
87.5°	22.4	18.3	10.2	16.2	24.4	24.4	28.5	30.5	28.5	28.5	28.5
90°	20.7	14.4	8.0	14.4	20.7	22.3	35.1	52.1	60.6	53.8	40.3
92.5°	140.4	86.1	31.9	86.1	140.4	153.9	216.4	299.6	341.3	299.1	214.8
95°	275.0	175.8	76.5	175.8	275.0	299.8	532.4	842.5	997.5	890.1	675.4
97.5°	307.5	219.9	132.4	219.9	307.5	329.3	717.1	1234.2	1492.6	1424.8	1289.1
100°	334.2	254.8	175.4	254.8	334.2	354.0	784.3	1358.0	1645.0	1649.9	1659.8
102.5°	360.2	286.1	212.1	286.1	360.2	378.8	815.2	1397.1	1688.0	1774.5	1947.4
105°	399.7	337.0	274.3	337.0	399.7	415.4	838.0	1401.5	1683.2	1877.0	2264.7
107.5°	455.0	396.6	338.1	396.6	455.0	469.6	842.2	1339.1	1587.5	1857.9	2398.7
110°	486.8	434.0	381.2	434.0	486.8	500.0	835.9	1283.8	1507.8	1810.1	2414.6



TEST NUMBER: P935624

CATALOG NUMBER: SQ4-FA-125U-100D-927-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	524.1	473.7	423.4	473.7	524.1	536.6	836.1	1235.5	1435.2	1744.6	2363.3
115°	580.0	533.6	487.2	533.6	580.0	591.6	843.8	1180.2	1348.3	1646.3	2242.4
117.5°	634.5	592.4	550.2	592.4	634.5	645.0	859.6	1145.5	1288.5	1557.5	2095.4
120°	666.2	626.5	586.8	626.5	666.2	676.1	872.3	1133.8	1264.6	1510.4	2001.8
122.5°	702.8	662.7	622.7	662.7	702.8	712.8	890.6	1127.7	1246.2	1467.5	1910.2
125°	750.8	714.3	677.8	714.3	750.8	759.8	915.3	1122.7	1226.3	1414.3	1790.3
127.5°	796.1	759.3	722.4	759.3	796.1	805.3	940.1	1119.7	1209.6	1371.0	1693.8
130°	825.7	786.0	746.3	786.0	825.7	835.6	958.1	1121.5	1203.2	1346.9	1634.3
132.5°	850.4	810.7	771.0	810.7	850.4	860.3	972.7	1122.7	1197.6	1326.2	1583.5
135°	880.0	843.8	807.7	843.8	880.0	889.0	988.7	1121.6	1188.0	1295.8	1511.2
137.5°	916.8	881.0	845.2	881.0	916.8	925.7	1012.6	1128.5	1186.4	1277.5	1459.7
140°	942.2	909.2	876.3	909.2	942.2	950.4	1027.3	1129.7	1180.9	1259.6	1416.9
142.5°	961.1	930.7	900.2	930.7	961.1	968.7	1039.4	1133.7	1180.9	1249.9	1388.2
145°	990.1	963.4	936.9	963.4	990.1	996.7	1055.4	1133.7	1172.9	1229.4	1342.5
147.5°	1025.3	999.5	973.6	999.5	1025.3	1031.8	1078.8	1141.5	1172.9	1217.4	1306.3
150°	1044.3	1020.9	997.5	1020.9	1044.3	1050.1	1091.0	1145.6	1172.9	1210.4	1285.6
152.5°	1057.6	1039.9	1022.2	1039.9	1057.6	1062.1	1099.0	1148.2	1172.9	1205.0	1269.1
155°	1085.1	1072.0	1058.9	1072.0	1085.1	1088.4	1116.6	1154.1	1172.9	1198.4	1249.5
157.5°	1111.5	1098.7	1086.0	1098.7	1111.5	1114.7	1134.1	1159.9	1172.9	1192.7	1232.4
160°	1124.2	1114.3	1104.3	1114.3	1124.2	1126.7	1142.1	1162.6	1172.9	1189.9	1223.9
162.5°	1137.5	1130.1	1122.7	1130.1	1137.5	1139.4	1150.5	1165.4	1172.9	1187.2	1215.9
165°	1156.1	1149.4	1142.6	1149.4	1156.1	1157.8	1162.8	1169.5	1172.9	1183.2	1203.7
167.5°	1167.3	1164.1	1160.9	1164.1	1167.3	1168.1	1172.3	1178.0	1180.9	1187.6	1201.0
170°	1179.3	1176.1	1172.9	1176.1	1179.3	1180.1	1180.3	1180.7	1180.9	1187.6	1201.0
172.5°	1180.7	1179.9	1179.3	1179.9	1180.7	1180.9	1180.9	1180.9	1180.9	1186.2	1196.8
175°	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1185.6	1182.5	1180.9	1184.3	1191.0
177.5°	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1186.2	1183.7	1182.5	1185.1	1190.4
180°	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0



TEST NUMBER: P935624  
 CATALOG NUMBER: SQ4-FA-125U-100D-927-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2150.7	2150.7	2150.7	2150.7	2150.7	2150.7	2150.7	2150.7	2150.7	2150.7	2150.7
2.5°	2075.4	2069.3	2077.5	2055.1	2077.5	2069.3	2075.4	2089.6	2077.5	2085.5	2093.7
5°	1821.0	1810.9	1778.3	1751.9	1778.3	1810.9	1821.0	1863.8	1884.1	1920.8	1969.6
7.5°	1627.8	1619.6	1611.5	1595.2	1611.5	1619.6	1627.8	1639.9	1660.4	1692.8	1729.5
10°	1585.0	1587.0	1599.3	1597.2	1599.3	1587.0	1585.0	1581.0	1574.9	1581.0	1603.4
12.5°	1694.9	1713.2	1780.4	1776.3	1780.4	1713.2	1694.9	1613.5	1558.6	1548.4	1552.5
15°	1821.0	1827.1	1841.4	1843.5	1841.4	1827.1	1821.0	1788.5	1623.7	1552.5	1530.1
17.5°	1833.3	1835.3	1845.5	1845.5	1845.5	1835.3	1833.3	1819.0	1764.1	1668.4	1542.3
20°	1823.1	1827.1	1847.5	1851.6	1847.5	1827.1	1823.1	1804.8	1774.2	1739.7	1644.0
22.5°	1819.0	1827.1	1843.5	1841.4	1843.5	1827.1	1819.0	1790.6	1764.1	1739.7	1701.0
25°	1798.6	1798.6	1800.7	1802.7	1800.7	1798.6	1798.6	1776.3	1723.4	1717.3	1694.9
27.5°	1756.0	1760.0	1772.2	1770.2	1772.2	1760.0	1756.0	1747.8	1690.8	1684.8	1668.4
30°	1717.3	1713.2	1703.0	1694.9	1703.0	1713.2	1717.3	1705.1	1648.1	1631.9	1635.9
32.5°	1652.2	1642.0	1631.9	1625.7	1631.9	1642.0	1652.2	1648.1	1605.4	1583.0	1587.0
35°	1574.9	1576.9	1574.9	1568.7	1574.9	1576.9	1574.9	1579.0	1552.5	1532.1	1530.1
37.5°	1519.9	1524.0	1522.0	1513.8	1522.0	1524.0	1519.9	1515.8	1479.2	1473.2	1477.2
40°	1462.9	1465.0	1462.9	1456.8	1462.9	1465.0	1462.9	1454.8	1403.9	1405.9	1420.2
42.5°	1408.0	1405.9	1399.9	1395.8	1399.9	1405.9	1408.0	1395.8	1330.7	1324.6	1351.0
45°	1345.0	1347.0	1334.8	1328.6	1334.8	1347.0	1345.0	1336.8	1269.7	1253.4	1271.7
47.5°	1281.9	1281.9	1271.7	1265.6	1271.7	1281.9	1281.9	1271.7	1200.5	1184.2	1194.3
50°	1214.8	1212.7	1198.4	1196.4	1198.4	1212.7	1214.8	1208.6	1133.4	1119.1	1119.1
52.5°	1137.4	1137.4	1139.4	1143.5	1139.4	1137.4	1137.4	1139.4	1072.3	1058.1	1054.0
55°	1070.2	1072.3	1086.5	1090.6	1086.5	1072.3	1070.2	1070.2	1009.2	995.0	986.8
57.5°	1001.1	1001.1	1011.2	1011.2	1011.2	1001.1	1001.1	997.0	938.0	925.8	921.7
60°	921.7	925.8	933.9	931.9	933.9	925.8	921.7	917.7	866.8	858.6	844.4
62.5°	838.3	842.4	844.4	840.3	844.4	842.4	838.3	826.1	795.6	789.5	771.2
65°	750.8	754.9	756.9	752.8	756.9	754.9	750.8	744.7	722.3	712.2	695.8
67.5°	661.3	659.3	657.2	665.4	657.2	659.3	661.3	653.1	638.9	630.8	608.4
70°	569.7	569.7	567.6	571.7	567.6	569.7	569.7	563.6	555.5	549.4	529.0
72.5°	472.1	470.0	478.2	472.1	478.2	470.0	472.1	470.0	465.9	459.8	439.5
75°	376.5	380.5	376.5	382.5	376.5	380.5	376.5	378.5	376.5	372.4	358.1
77.5°	286.9	291.0	286.9	286.9	286.9	291.0	286.9	288.9	288.9	288.9	276.7
80°	203.4	201.4	201.4	199.4	201.4	201.4	203.4	203.4	205.5	201.4	197.4
82.5°	130.2	128.2	128.2	132.3	128.2	128.2	130.2	132.3	128.2	128.2	128.2
85°	71.2	73.2	69.1	69.1	69.1	73.2	71.2	67.1	71.2	71.2	69.1
87.5°	26.5	24.4	24.4	24.4	24.4	24.4	26.5	28.5	28.5	28.5	30.5
90°	30.3	30.3	30.3	30.3	30.3	30.3	30.3	40.3	53.8	60.6	52.1
92.5°	151.5	145.5	121.4	97.3	121.4	145.5	151.5	214.8	299.1	341.3	299.6
95°	514.3	496.0	423.0	350.0	423.0	496.0	514.3	675.4	890.1	997.5	842.5
97.5°	1187.3	1152.5	1013.6	874.7	1013.6	1152.5	1187.3	1289.1	1424.8	1492.6	1234.2
100°	1667.3	1625.9	1460.4	1294.9	1460.4	1625.9	1667.3	1659.8	1649.9	1645.0	1358.0
102.5°	2077.1	2041.7	1899.9	1758.1	1899.9	2041.7	2077.1	1947.4	1774.5	1688.0	1397.1
105°	2555.5	2536.5	2460.2	2384.1	2460.2	2536.5	2555.5	2264.7	1877.0	1683.2	1401.5
107.5°	2804.3	2808.9	2827.3	2845.7	2827.3	2808.9	2804.3	2398.7	1857.9	1587.5	1339.1
110°	2868.0	2887.9	2967.3	3046.7	2967.3	2887.9	2868.0	2414.6	1810.1	1507.8	1283.8



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2827.4	2857.9	2979.7	3101.6	2979.7	2857.9	2827.4	2363.3	1744.6	1435.2	1235.5
115°	2689.5	2731.7	2900.7	3069.8	2900.7	2731.7	2689.5	2242.4	1646.3	1348.3	1180.2
117.5°	2498.9	2545.8	2733.2	2920.7	2733.2	2545.8	2498.9	2095.4	1557.5	1288.5	1145.5
120°	2370.5	2416.0	2598.2	2780.3	2598.2	2416.0	2370.5	2001.8	1510.4	1264.6	1133.8
122.5°	2242.2	2287.1	2466.8	2646.4	2466.8	2287.1	2242.2	1910.2	1467.5	1246.2	1127.7
125°	2072.3	2113.6	2279.2	2444.7	2279.2	2113.6	2072.3	1790.3	1414.3	1226.3	1122.7
127.5°	1935.9	1970.8	2110.5	2250.1	2110.5	1970.8	1935.9	1693.8	1371.0	1209.6	1119.7
130°	1849.8	1882.1	2011.1	2140.1	2011.1	1882.1	1849.8	1634.3	1346.9	1203.2	1121.5
132.5°	1776.5	1805.3	1920.9	2036.4	1920.9	1805.3	1776.5	1583.5	1326.2	1197.6	1122.7
135°	1672.8	1697.7	1797.3	1896.9	1797.3	1697.7	1672.8	1511.2	1295.8	1188.0	1121.6
137.5°	1596.3	1616.7	1698.2	1779.7	1698.2	1616.7	1596.3	1459.7	1277.5	1186.4	1128.5
140°	1534.9	1553.9	1630.2	1706.3	1630.2	1553.9	1534.9	1416.9	1259.6	1180.9	1129.7
142.5°	1491.8	1508.2	1573.7	1639.3	1573.7	1508.2	1491.8	1388.2	1249.9	1180.9	1133.7
145°	1427.3	1439.7	1489.3	1538.8	1489.3	1439.7	1427.3	1342.5	1229.4	1172.9	1133.7
147.5°	1373.1	1383.3	1424.4	1465.5	1424.4	1383.3	1373.1	1306.3	1217.4	1172.9	1141.5
150°	1342.0	1350.3	1383.6	1416.9	1383.6	1350.3	1342.0	1285.6	1210.4	1172.9	1145.6
152.5°	1317.2	1323.6	1348.7	1373.8	1348.7	1323.6	1317.2	1269.1	1205.0	1172.9	1148.2
155°	1287.7	1291.9	1308.5	1325.2	1308.5	1291.9	1287.7	1249.5	1198.4	1172.9	1154.1
157.5°	1262.2	1265.1	1276.8	1288.5	1276.8	1265.1	1262.2	1232.4	1192.7	1172.9	1159.9
160°	1249.4	1251.1	1257.8	1264.6	1257.8	1251.1	1249.4	1223.9	1189.9	1172.9	1162.6
162.5°	1237.5	1239.1	1245.5	1251.9	1245.5	1239.1	1237.5	1215.9	1187.2	1172.9	1165.4
165°	1219.1	1220.8	1227.5	1234.3	1227.5	1220.8	1219.1	1203.7	1183.2	1172.9	1169.5
167.5°	1211.1	1211.8	1214.7	1217.5	1214.7	1211.8	1211.1	1201.0	1187.6	1180.9	1178.0
170°	1211.1	1211.1	1211.1	1211.1	1211.1	1211.1	1211.1	1201.0	1187.6	1180.9	1180.7
172.5°	1204.8	1204.2	1201.7	1199.2	1201.7	1204.2	1204.8	1196.8	1186.2	1180.9	1180.9
175°	1196.0	1196.0	1196.0	1196.0	1196.0	1196.0	1196.0	1191.0	1184.3	1180.9	1182.5
177.5°	1194.4	1193.7	1190.9	1188.0	1190.9	1193.7	1194.4	1190.4	1185.1	1182.5	1183.7
180°	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2150.7	2150.7	2150.7	2150.7	2150.7
2.5°	2124.2	2134.4	2140.5	2148.7	2169.0
5°	2042.8	2081.5	2093.7	2124.2	2160.9
7.5°	1863.8	1981.8	2014.3	2087.6	2144.6
10°	1690.8	1808.9	1865.8	2038.8	2124.2
12.5°	1603.4	1672.5	1711.2	1953.3	2095.7
15°	1548.4	1597.2	1625.7	1839.4	2063.2
17.5°	1505.7	1540.3	1560.6	1727.5	2018.4
20°	1479.2	1495.5	1513.8	1646.1	1967.6
22.5°	1460.9	1450.8	1465.0	1589.1	1898.4
25°	1448.7	1410.0	1426.3	1544.3	1817.0
27.5°	1458.9	1373.4	1379.5	1503.7	1731.5
30°	1460.9	1328.6	1330.7	1460.9	1635.9
32.5°	1446.7	1281.9	1283.9	1408.0	1528.1
35°	1412.1	1226.9	1224.9	1347.0	1381.5
37.5°	1365.3	1167.9	1167.9	1279.8	1220.8
40°	1308.3	1108.9	1115.0	1192.3	1078.4
42.5°	1239.2	1045.8	1054.0	1076.4	972.6
45°	1163.9	984.8	990.9	909.5	891.2
47.5°	1080.5	921.7	923.8	754.9	864.8
50°	980.7	856.6	848.5	647.0	862.7
52.5°	893.2	785.4	761.0	586.0	783.4
55°	807.8	710.1	657.2	539.2	726.4
57.5°	732.5	612.5	561.6	484.3	714.2
60°	663.3	516.8	478.2	425.3	655.2
62.5°	606.4	445.6	437.4	384.5	594.1
65°	545.3	396.8	394.7	350.0	504.6
67.5°	486.3	364.2	362.2	317.4	384.5
70°	423.2	329.6	325.6	282.8	284.8
72.5°	358.1	291.0	286.9	254.3	236.0
75°	293.0	246.2	244.2	221.8	191.3
77.5°	229.9	195.3	199.4	179.0	140.4
80°	164.8	142.5	146.5	128.2	105.8
82.5°	109.9	93.6	97.6	81.4	71.2
85°	61.1	52.9	54.9	42.7	32.6
87.5°	28.5	24.4	24.4	16.2	10.2
90°	35.1	22.3	20.7	14.4	8.0
92.5°	216.4	153.9	140.4	86.1	31.9
95°	532.4	299.8	275.0	175.8	76.5
97.5°	717.1	329.3	307.5	219.9	132.4
100°	784.3	354.0	334.2	254.8	175.4
102.5°	815.2	378.8	360.2	286.1	212.1
105°	838.0	415.4	399.7	337.0	274.3
107.5°	842.2	469.6	455.0	396.6	338.1
110°	835.9	500.0	486.8	434.0	381.2



TEST NUMBER: P935624

CATALOG NUMBER: SQ4-FA-125U-100D-927-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	836.1	536.6	524.1	473.7	423.4
115°	843.8	591.6	580.0	533.6	487.2
117.5°	859.6	645.0	634.5	592.4	550.2
120°	872.3	676.1	666.2	626.5	586.8
122.5°	890.6	712.8	702.8	662.7	622.7
125°	915.3	759.8	750.8	714.3	677.8
127.5°	940.1	805.3	796.1	759.3	722.4
130°	958.1	835.6	825.7	786.0	746.3
132.5°	972.7	860.3	850.4	810.7	771.0
135°	988.7	889.0	880.0	843.8	807.7
137.5°	1012.6	925.7	916.8	881.0	845.2
140°	1027.3	950.4	942.2	909.2	876.3
142.5°	1039.4	968.7	961.1	930.7	900.2
145°	1055.4	996.7	990.1	963.4	936.9
147.5°	1078.8	1031.8	1025.3	999.5	973.6
150°	1091.0	1050.1	1044.3	1020.9	997.5
152.5°	1099.0	1062.1	1057.6	1039.9	1022.2
155°	1116.6	1088.4	1085.1	1072.0	1058.9
157.5°	1134.1	1114.7	1111.5	1098.7	1086.0
160°	1142.1	1126.7	1124.2	1114.3	1104.3
162.5°	1150.5	1139.4	1137.5	1130.1	1122.7
165°	1162.8	1157.8	1156.1	1149.4	1142.6
167.5°	1172.3	1168.1	1167.3	1164.1	1160.9
170°	1180.3	1180.1	1179.3	1176.1	1172.9
172.5°	1180.9	1180.9	1180.7	1179.9	1179.3
175°	1185.6	1188.0	1188.0	1188.0	1188.0
177.5°	1186.2	1188.0	1188.0	1188.0	1188.0
180°	1188.0	1188.0	1188.0	1188.0	1188.0



TEST NUMBER: P935624  
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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	12.01	12.81	13.04	13.84	15.22	14.85	15.65	15.87	16.68	18.06
	3H	12.49	13.20	13.52	14.24	15.64	16.19	16.91	17.23	17.95	19.35
	4H	12.67	13.35	13.72	14.39	15.80	16.64	17.31	17.68	18.35	19.76
	6H	12.79	13.41	13.84	14.46	15.88	16.92	17.54	17.98	18.59	20.01
	8H	12.79	13.38	13.85	14.44	15.86	16.99	17.58	18.05	18.65	20.06
	12H	12.76	13.32	13.82	14.37	15.81	17.03	17.59	18.10	18.65	20.09
4H	2H	13.04	13.71	14.09	14.76	16.16	15.25	15.93	16.30	16.97	18.38
	3H	14.06	14.62	15.12	15.69	17.11	16.75	17.32	17.81	18.39	19.81
	4H	14.33	14.85	15.40	15.91	17.35	17.28	17.80	18.35	18.86	20.30
	6H	14.46	14.90	15.53	15.98	17.42	17.64	18.09	18.72	19.17	20.61
	8H	14.46	14.87	15.54	15.95	17.40	17.75	18.16	18.83	19.24	20.69
	12H	14.42	14.80	15.52	15.89	17.35	17.81	18.18	18.90	19.27	20.73
8H	4H	14.78	15.20	15.86	16.27	17.73	17.40	17.81	18.48	18.89	20.34
	6H	15.04	15.38	16.14	16.50	17.95	17.84	18.18	18.93	19.29	20.75
	8H	15.08	15.38	16.19	16.48	17.95	17.99	18.29	19.09	19.39	20.86
	12H	15.07	15.33	16.17	16.43	17.93	18.08	18.35	19.19	19.44	20.95
12H	4H	14.79	15.16	15.88	16.25	17.71	17.36	17.73	18.45	18.82	20.28
	6H	15.10	15.40	16.21	16.50	17.97	17.83	18.13	18.94	19.23	20.70
	8H	15.17	15.43	16.28	16.53	18.04	17.99	18.25	19.10	19.35	20.86