

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: P935675

Luminaire Tested: SQ4-FA-125U-100D-940-1D-UNV-STD-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935675
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-940-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

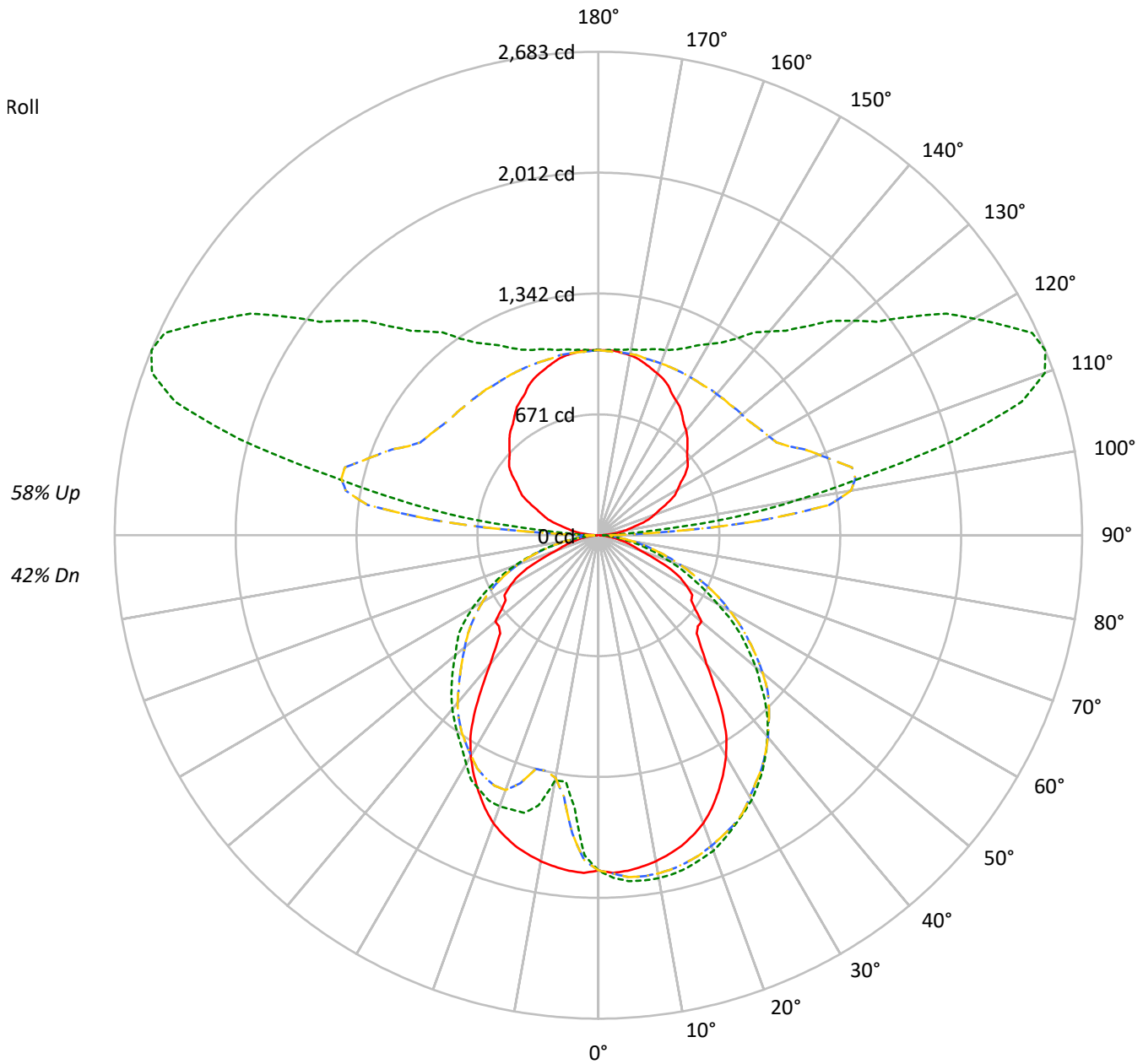
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11488.0 lumens
Efficiency: N/A
Efficacy: 118.9 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	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	
RCR																		
0	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	42
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	35
2	87	80	74	69	80	73	68	64	61	57	54	49	46	44	38	36	35	30
3	80	70	63	57	72	65	58	53	53	49	45	43	40	37	34	31	30	25
4	73	62	54	49	66	57	50	45	47	42	38	38	35	32	30	28	25	22
5	67	55	47	41	61	51	44	39	42	37	33	34	31	27	27	24	22	19
6	62	50	42	36	56	46	39	33	38	33	29	31	27	24	24	22	19	16
7	57	45	37	31	52	41	34	29	34	29	25	28	24	21	22	19	17	15
8	53	40	33	28	48	37	31	26	31	26	22	26	22	19	20	18	15	13
9	49	37	30	25	45	34	27	23	29	24	20	24	20	17	19	16	14	12
10	46	34	27	22	42	31	25	21	26	21	18	22	18	15	17	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11506	11506	11506	11506
5°	11588	11615	11588	9133
10°	11507	11442	11507	8180
15°	11377	11194	11377	9347
20°	11135	10900	11135	9366
25°	10643	10472	10643	9168
30°	10011	10116	10011	8732
35°	8920	9666	8920	8254
40°	7428	9137	7428	7892
45°	6633	8517	6633	7475
50°	7041	7778	7041	7058
55°	6619	6981	6619	6816
60°	6813	5930	6813	6242
65°	6169	4901	6169	5479
70°	4260	3906	4260	4592
75°	3722	2888	3722	3458
80°	2978	1909	2978	2078
85°	1675	1011	1675	860

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10172 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.9	1.5
10°-20°	476.7	4.1
20°-30°	736.9	6.4
30°-40°	879.7	7.7
40°-50°	884.9	7.7
50°-60°	769.9	6.7
60°-70°	545.9	4.8
70°-80°	288.8	2.5
80°-90°	75.8	0.7
90°-100°	500.9	4.4
100°-110°	1316.9	11.5
110°-120°	1365.4	11.9
120°-130°	1095.3	9.5
130°-140°	859.4	7.5
140°-150°	659.6	5.7
150°-160°	475.0	4.1
160°-170°	290.7	2.5
170°-180°	98.2	0.9
0°-30°	1381.5	12.0
0°-40°	2261.3	19.7
0°-60°	3916.1	34.1
0°-90°	4826.6	42.0
90°-120°	3183.2	27.7
90°-150°	5797.5	50.5
90°-180°	6661.0	58.0
0°-180°	11488.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1860	1860	1860	1860	1860	
5°	1869	1927	1869	1515	1869	177
15°	1784	1909	1784	1594	1784	502
25°	1571	1781	1571	1559	1571	722
35°	1195	1589	1195	1357	1195	739
45°	771	1309	771	1149	771	617
55°	628	966	628	943	628	577
65°	436	582	436	651	436	417
75°	165	276	165	331	165	174
85°	28	70	28	60	28	38
90°	7	26	7	26	7	7
95°	66	303	66	303	66	74
105°	237	2062	237	2062	237	252
115°	421	2655	421	2655	421	416
125°	586	2114	586	2114	586	520
135°	699	1641	699	1641	699	541
145°	810	1331	810	1331	810	508
155°	916	1146	916	1146	916	421
165°	988	1068	988	1068	988	279
175°	1028	1034	1028	1034	1028	98
180°	1028	1028	1028	1028	1028	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0
2.5°	1875.9	1875.9	1886.5	1889.9	1889.9	1884.7	1879.4	1884.7	1900.5	1905.8	1904.0
5°	1868.8	1882.9	1902.3	1905.8	1909.3	1907.5	1904.0	1907.5	1925.1	1928.6	1930.4
7.5°	1854.8	1881.1	1905.8	1911.1	1916.3	1911.1	1909.3	1912.8	1930.4	1934.0	1934.0
10°	1837.2	1874.1	1902.3	1905.8	1911.1	1905.8	1905.8	1912.8	1930.4	1934.0	1935.7
12.5°	1812.5	1863.6	1889.9	1893.5	1900.5	1898.7	1896.9	1904.0	1921.6	1925.1	1925.1
15°	1784.3	1844.2	1868.8	1872.3	1884.7	1881.1	1881.1	1888.2	1907.5	1912.8	1911.1
17.5°	1745.6	1819.5	1847.8	1853.0	1861.8	1860.0	1861.8	1868.8	1886.5	1889.9	1891.7
20°	1701.7	1786.1	1819.5	1824.8	1833.6	1833.6	1833.6	1842.4	1860.0	1867.1	1867.1
22.5°	1641.8	1751.0	1786.1	1789.7	1800.2	1800.2	1803.7	1816.0	1831.9	1833.6	1833.6
25°	1571.4	1712.2	1742.2	1752.6	1763.2	1768.5	1773.8	1780.9	1786.1	1784.3	1786.1
27.5°	1497.5	1663.0	1701.7	1708.7	1722.8	1728.0	1735.1	1736.8	1738.6	1743.9	1740.4
30°	1414.9	1594.3	1652.4	1659.4	1682.3	1685.8	1678.8	1682.3	1691.1	1694.7	1698.1
32.5°	1321.5	1492.3	1601.3	1617.2	1638.3	1627.7	1626.0	1631.3	1645.4	1645.4	1648.8
35°	1194.9	1413.1	1553.8	1567.9	1583.7	1571.4	1578.5	1580.2	1589.0	1594.3	1592.5
37.5°	1055.8	1344.4	1504.5	1515.1	1527.4	1511.6	1522.1	1527.4	1534.5	1531.0	1531.0
40°	932.7	1237.1	1446.5	1453.6	1464.1	1451.8	1462.4	1465.8	1469.4	1465.8	1464.1
42.5°	841.1	1119.1	1384.9	1393.7	1386.7	1395.5	1399.0	1406.1	1400.7	1393.7	1393.7
45°	770.8	1087.5	1318.1	1328.6	1318.1	1332.1	1337.4	1337.4	1321.5	1318.1	1316.3
47.5°	747.9	1024.1	1251.2	1251.2	1245.9	1263.4	1272.2	1260.0	1244.1	1238.8	1238.8
50°	746.1	953.8	1159.6	1152.6	1177.2	1198.4	1189.6	1177.2	1165.0	1145.6	1145.6
52.5°	677.5	867.6	1041.7	1068.2	1106.9	1119.1	1105.1	1092.8	1071.6	1062.8	1055.8
55°	628.3	777.8	934.4	987.2	1027.7	1043.5	1017.1	1004.8	973.2	967.8	964.4
57.5°	617.7	647.6	835.9	902.7	952.0	950.2	934.4	911.5	885.2	879.8	878.1
60°	566.6	468.1	730.3	809.5	860.5	855.2	841.1	820.1	795.4	791.9	788.4
62.5°	513.8	339.7	610.6	700.4	772.6	770.8	758.4	726.7	709.2	700.4	693.4
65°	436.5	285.0	434.7	582.4	686.3	689.8	663.4	640.5	621.2	610.6	608.9
67.5°	332.6	232.3	293.8	485.6	603.6	600.1	566.6	556.1	531.5	526.1	515.6
70°	246.3	154.9	204.2	394.2	522.7	513.8	487.4	475.2	452.3	439.9	432.9
72.5°	204.2	124.9	149.5	306.2	439.9	429.3	406.5	392.4	373.0	362.5	355.5
75°	165.4	132.0	114.4	227.0	357.2	350.2	329.1	315.0	299.2	285.0	286.8
77.5°	121.4	123.2	91.5	167.2	283.3	272.8	260.5	242.9	235.8	221.7	221.7
80°	91.5	96.8	68.6	114.4	204.2	204.2	193.6	181.2	168.9	161.9	161.9
82.5°	61.6	61.6	51.1	72.1	139.1	133.7	126.7	123.2	116.2	112.6	112.6
85°	28.1	35.2	31.7	44.0	75.7	79.2	79.2	75.7	73.9	70.4	72.1
87.5°	8.8	15.8	19.4	24.6	38.7	40.5	42.3	42.3	42.3	44.0	44.0
90°	6.9	12.4	17.9	19.3	30.3	45.0	52.4	46.5	34.9	26.2	26.2
92.5°	27.6	74.5	121.4	133.1	187.1	259.1	295.2	258.7	185.8	131.1	125.8
95°	66.2	152.0	237.8	259.3	460.4	728.7	862.8	769.9	584.1	444.8	429.0
97.5°	114.5	190.1	265.9	284.8	620.2	1067.5	1291.1	1232.4	1115.0	1026.9	996.9
100°	151.8	220.4	289.0	306.2	678.3	1174.6	1422.8	1427.0	1435.6	1442.0	1406.2
102.5°	183.5	247.5	311.6	327.6	705.1	1208.3	1460.0	1534.7	1684.4	1796.5	1765.9
105°	237.3	291.5	345.7	359.3	724.8	1212.2	1455.9	1623.5	1958.8	2210.3	2193.8
107.5°	292.4	342.9	393.6	406.2	728.5	1158.2	1373.1	1607.0	2074.7	2425.5	2429.5
110°	329.6	375.3	420.9	432.4	722.9	1110.4	1304.1	1565.5	2088.5	2480.7	2497.9



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CANDELA DISTRIBUTION (continued):

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



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0
2.5°	1907.5	1902.3	1907.5	1904.0	1905.8	1900.5	1884.7	1879.4	1884.7	1889.9	1889.9
5°	1930.4	1926.9	1930.4	1930.4	1928.6	1925.1	1907.5	1904.0	1907.5	1909.3	1905.8
7.5°	1937.4	1932.2	1937.4	1934.0	1934.0	1930.4	1912.8	1909.3	1911.1	1916.3	1911.1
10°	1937.4	1932.2	1937.4	1935.7	1934.0	1930.4	1912.8	1905.8	1905.8	1911.1	1905.8
12.5°	1928.6	1925.1	1928.6	1925.1	1925.1	1921.6	1904.0	1896.9	1898.7	1900.5	1893.5
15°	1914.6	1909.3	1914.6	1911.1	1912.8	1907.5	1888.2	1881.1	1881.1	1884.7	1872.3
17.5°	1893.5	1886.5	1893.5	1891.7	1889.9	1886.5	1868.8	1861.8	1860.0	1861.8	1853.0
20°	1868.8	1863.6	1868.8	1867.1	1867.1	1860.0	1842.4	1833.6	1833.6	1833.6	1824.8
22.5°	1830.1	1824.8	1830.1	1833.6	1833.6	1831.9	1816.0	1803.7	1800.2	1800.2	1789.7
25°	1786.1	1780.9	1786.1	1786.1	1784.3	1786.1	1780.9	1773.8	1768.5	1763.2	1752.6
27.5°	1743.9	1740.4	1743.9	1740.4	1743.9	1738.6	1736.8	1735.1	1728.0	1722.8	1708.7
30°	1701.7	1698.1	1701.7	1698.1	1694.7	1691.1	1682.3	1678.8	1685.8	1682.3	1659.4
32.5°	1648.8	1645.4	1648.8	1648.8	1645.4	1645.4	1631.3	1626.0	1627.7	1638.3	1617.2
35°	1594.3	1589.0	1594.3	1592.5	1594.3	1589.0	1580.2	1578.5	1571.4	1583.7	1567.9
37.5°	1531.0	1525.7	1531.0	1531.0	1531.0	1534.5	1527.4	1522.1	1511.6	1527.4	1515.1
40°	1465.8	1458.8	1465.8	1464.1	1465.8	1469.4	1465.8	1462.4	1451.8	1464.1	1453.6
42.5°	1391.9	1390.2	1391.9	1393.7	1393.7	1400.7	1406.1	1399.0	1395.5	1386.7	1393.7
45°	1312.7	1309.3	1312.7	1316.3	1318.1	1321.5	1337.4	1337.4	1332.1	1318.1	1328.6
47.5°	1228.3	1219.5	1228.3	1238.8	1238.8	1244.1	1260.0	1272.2	1263.4	1245.9	1251.2
50°	1138.5	1140.3	1138.5	1145.6	1145.6	1165.0	1177.2	1189.6	1198.4	1177.2	1152.6
52.5°	1050.6	1048.8	1050.6	1055.8	1062.8	1071.6	1092.8	1105.1	1119.1	1106.9	1068.2
55°	962.6	966.1	962.6	964.4	967.8	973.2	1004.8	1017.1	1043.5	1027.7	987.2
57.5°	874.6	869.3	874.6	878.1	879.8	885.2	911.5	934.4	950.2	952.0	902.7
60°	772.6	765.5	772.6	788.4	791.9	795.4	820.1	841.1	855.2	860.5	809.5
62.5°	682.8	670.4	682.8	693.4	700.4	709.2	726.7	758.4	770.8	772.6	700.4
65°	587.8	582.4	587.8	608.9	610.6	621.2	640.5	663.4	689.8	686.3	582.4
67.5°	501.5	501.5	501.5	515.6	526.1	531.5	556.1	566.6	600.1	603.6	485.6
70°	422.3	420.6	422.3	432.9	439.9	452.3	475.2	487.4	513.8	522.7	394.2
72.5°	346.7	344.9	346.7	355.5	362.5	373.0	392.4	406.5	429.3	439.9	306.2
75°	279.8	276.3	279.8	286.8	285.0	299.2	315.0	329.1	350.2	357.2	227.0
77.5°	214.7	214.7	214.7	221.7	221.7	235.8	242.9	260.5	272.8	283.3	167.2
80°	160.1	158.4	160.1	161.9	161.9	168.9	181.2	193.6	204.2	204.2	114.4
82.5°	112.6	109.1	112.6	112.6	112.6	116.2	123.2	126.7	133.7	139.1	72.1
85°	70.4	70.4	70.4	72.1	70.4	73.9	75.7	79.2	79.2	75.7	44.0
87.5°	45.7	44.0	45.7	44.0	44.0	42.3	42.3	42.3	40.5	38.7	24.6
90°	26.2	26.2	26.2	26.2	26.2	34.9	46.5	52.4	45.0	30.3	19.3
92.5°	105.0	84.1	105.0	125.8	131.1	185.8	258.7	295.2	259.1	187.1	133.1
95°	365.9	302.7	365.9	429.0	444.8	584.1	769.9	862.8	728.7	460.4	259.3
97.5°	876.7	756.6	876.7	996.9	1026.9	1115.0	1232.4	1291.1	1067.5	620.2	284.8
100°	1263.2	1120.0	1263.2	1406.2	1442.0	1435.6	1427.0	1422.8	1174.6	678.3	306.2
102.5°	1643.2	1520.7	1643.2	1765.9	1796.5	1684.4	1534.7	1460.0	1208.3	705.1	327.6
105°	2127.9	2062.0	2127.9	2193.8	2210.3	1958.8	1623.5	1455.9	1212.2	724.8	359.3
107.5°	2445.4	2461.4	2445.4	2429.5	2425.5	2074.7	1607.0	1373.1	1158.2	728.5	406.2
110°	2566.5	2635.1	2566.5	2497.9	2480.7	2088.5	1565.5	1304.1	1110.4	722.9	432.4



TEST NUMBER: P935675

CATALOG NUMBER: SQ4-FA-125U-100D-940-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P935675

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0
2.5°	1886.5	1875.9	1875.9	1858.2	1851.2	1846.0	1837.2	1810.7	1803.7	1796.7	1807.3
5°	1902.3	1882.9	1868.8	1837.2	1810.7	1800.2	1766.8	1703.5	1661.2	1629.5	1611.9
7.5°	1905.8	1881.1	1854.8	1805.5	1742.2	1713.9	1611.9	1495.7	1464.1	1435.9	1418.3
10°	1902.3	1874.1	1837.2	1763.2	1613.7	1564.4	1462.4	1386.7	1367.3	1362.0	1367.3
12.5°	1889.9	1863.6	1812.5	1689.3	1479.9	1446.5	1386.7	1342.7	1339.2	1348.0	1395.5
15°	1868.8	1844.2	1784.3	1590.8	1406.1	1381.4	1339.2	1323.3	1342.7	1404.3	1546.8
17.5°	1847.8	1819.5	1745.6	1494.0	1349.7	1332.1	1302.2	1333.9	1443.0	1525.7	1573.2
20°	1819.5	1786.1	1701.7	1423.6	1309.3	1293.4	1279.3	1421.9	1504.5	1534.5	1560.8
22.5°	1786.1	1751.0	1641.8	1374.4	1267.0	1254.7	1263.4	1471.1	1504.5	1525.7	1548.6
25°	1742.2	1712.2	1571.4	1335.6	1233.6	1219.5	1253.0	1465.8	1485.2	1490.5	1536.2
27.5°	1701.7	1663.0	1497.5	1300.5	1193.1	1187.8	1261.8	1443.0	1457.0	1462.4	1511.6
30°	1652.4	1594.3	1414.9	1263.4	1150.8	1149.1	1263.4	1414.9	1411.3	1425.4	1474.6
32.5°	1601.3	1492.3	1321.5	1217.7	1110.4	1108.7	1251.2	1372.6	1369.0	1388.4	1425.4
35°	1553.8	1413.1	1194.9	1165.0	1059.4	1061.1	1221.3	1323.3	1325.1	1342.7	1365.6
37.5°	1504.5	1344.4	1055.8	1106.9	1010.1	1010.1	1180.8	1277.6	1274.0	1279.3	1311.0
40°	1446.5	1237.1	932.7	1031.2	964.4	959.0	1131.5	1228.3	1215.9	1214.3	1258.2
42.5°	1384.9	1119.1	841.1	930.9	911.5	904.5	1071.6	1168.4	1145.6	1150.8	1207.1
45°	1318.1	1087.5	770.8	786.6	857.0	851.7	1006.5	1099.8	1084.0	1098.1	1156.2
47.5°	1251.2	1024.1	747.9	652.9	798.9	797.2	934.4	1032.9	1024.1	1038.2	1099.8
50°	1159.6	953.8	746.1	559.6	733.8	740.9	848.2	967.8	967.8	980.2	1045.3
52.5°	1041.7	867.6	677.5	506.8	658.1	679.2	772.6	911.5	915.1	927.3	985.4
55°	934.4	777.8	628.3	466.3	568.4	614.1	698.6	853.5	860.5	872.8	925.7
57.5°	835.9	647.6	617.7	418.8	485.6	529.7	633.5	797.2	800.7	811.3	862.2
60°	730.3	468.1	566.6	367.8	413.5	446.9	573.6	730.3	742.6	749.6	793.6
62.5°	610.6	339.7	513.8	332.6	378.4	385.4	524.4	667.0	682.8	688.0	714.5
65°	434.7	285.0	436.5	302.6	341.3	343.1	471.6	601.8	615.9	624.7	644.1
67.5°	293.8	232.3	332.6	274.5	313.2	315.0	420.6	526.1	545.5	552.5	564.9
70°	204.2	154.9	246.3	244.6	281.6	285.0	366.0	457.5	475.2	480.4	487.4
72.5°	149.5	124.9	204.2	220.0	248.1	251.7	309.7	380.1	397.7	403.0	406.5
75°	114.4	132.0	165.4	191.8	211.2	212.9	253.4	309.7	322.0	325.5	327.3
77.5°	91.5	123.2	121.4	154.9	172.4	168.9	198.8	239.3	249.9	249.9	249.9
80°	68.6	96.8	91.5	110.8	126.7	123.2	142.5	170.7	174.2	177.7	176.0
82.5°	51.1	61.6	61.6	70.4	84.4	81.0	95.0	110.8	110.8	110.8	114.4
85°	31.7	35.2	28.1	36.9	47.5	45.7	52.8	59.9	61.6	61.6	58.1
87.5°	19.4	15.8	8.8	14.1	21.1	21.1	24.6	26.4	24.6	24.6	24.6
90°	17.9	12.4	6.9	12.4	17.9	19.3	30.3	45.0	52.4	46.5	34.9
92.5°	121.4	74.5	27.6	74.5	121.4	133.1	187.1	259.1	295.2	258.7	185.8
95°	237.8	152.0	66.2	152.0	237.8	259.3	460.4	728.7	862.8	769.9	584.1
97.5°	265.9	190.1	114.5	190.1	265.9	284.8	620.2	1067.5	1291.1	1232.4	1115.0
100°	289.0	220.4	151.8	220.4	289.0	306.2	678.3	1174.6	1422.8	1427.0	1435.6
102.5°	311.6	247.5	183.5	247.5	311.6	327.6	705.1	1208.3	1460.0	1534.7	1684.4
105°	345.7	291.5	237.3	291.5	345.7	359.3	724.8	1212.2	1455.9	1623.5	1958.8
107.5°	393.6	342.9	292.4	342.9	393.6	406.2	728.5	1158.2	1373.1	1607.0	2074.7
110°	420.9	375.3	329.6	375.3	420.9	432.4	722.9	1110.4	1304.1	1565.5	2088.5



TEST NUMBER: P935675

CATALOG NUMBER: SQ4-FA-125U-100D-940-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P935675
 CATALOG NUMBER: SQ4-FA-125U-100D-940-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0
2.5°	1794.9	1789.7	1796.7	1777.3	1796.7	1789.7	1794.9	1807.3	1796.7	1803.7	1810.7
5°	1575.0	1566.2	1538.0	1515.1	1538.0	1566.2	1575.0	1611.9	1629.5	1661.2	1703.5
7.5°	1407.7	1400.7	1393.7	1379.6	1393.7	1400.7	1407.7	1418.3	1435.9	1464.1	1495.7
10°	1370.8	1372.6	1383.1	1381.4	1383.1	1372.6	1370.8	1367.3	1362.0	1367.3	1386.7
12.5°	1465.8	1481.7	1539.8	1536.2	1539.8	1481.7	1465.8	1395.5	1348.0	1339.2	1342.7
15°	1575.0	1580.2	1592.5	1594.3	1592.5	1580.2	1575.0	1546.8	1404.3	1342.7	1323.3
17.5°	1585.5	1587.3	1596.1	1596.1	1596.1	1587.3	1585.5	1573.2	1525.7	1443.0	1333.9
20°	1576.7	1580.2	1597.9	1601.3	1597.9	1580.2	1576.7	1560.8	1534.5	1504.5	1421.9
22.5°	1573.2	1580.2	1594.3	1592.5	1594.3	1580.2	1573.2	1548.6	1525.7	1504.5	1471.1
25°	1555.6	1555.6	1557.4	1559.2	1557.4	1555.6	1555.6	1536.2	1490.5	1485.2	1465.8
27.5°	1518.7	1522.1	1532.7	1531.0	1532.7	1522.1	1518.7	1511.6	1462.4	1457.0	1443.0
30°	1485.2	1481.7	1472.9	1465.8	1472.9	1481.7	1485.2	1474.6	1425.4	1411.3	1414.9
32.5°	1428.9	1420.1	1411.3	1406.1	1411.3	1420.1	1428.9	1425.4	1388.4	1369.0	1372.6
35°	1362.0	1363.8	1362.0	1356.8	1362.0	1363.8	1362.0	1365.6	1342.7	1325.1	1323.3
37.5°	1314.5	1318.1	1316.3	1309.3	1316.3	1318.1	1314.5	1311.0	1279.3	1274.0	1277.6
40°	1265.2	1267.0	1265.2	1260.0	1265.2	1267.0	1265.2	1258.2	1214.3	1215.9	1228.3
42.5°	1217.7	1215.9	1210.7	1207.1	1210.7	1215.9	1217.7	1207.1	1150.8	1145.6	1168.4
45°	1163.2	1165.0	1154.4	1149.1	1154.4	1165.0	1163.2	1156.2	1098.1	1084.0	1099.8
47.5°	1108.7	1108.7	1099.8	1094.5	1099.8	1108.7	1108.7	1099.8	1038.2	1024.1	1032.9
50°	1050.6	1048.8	1036.5	1034.7	1036.5	1048.8	1050.6	1045.3	980.2	967.8	967.8
52.5°	983.7	983.7	985.4	989.0	985.4	983.7	983.7	985.4	927.3	915.1	911.5
55°	925.7	927.3	939.7	943.2	939.7	927.3	925.7	925.7	872.8	860.5	853.5
57.5°	865.8	865.8	874.6	874.6	874.6	865.8	865.8	862.2	811.3	800.7	797.2
60°	797.2	800.7	807.7	805.9	807.7	800.7	797.2	793.6	749.6	742.6	730.3
62.5°	725.0	728.5	730.3	726.7	730.3	728.5	725.0	714.5	688.0	682.8	667.0
65°	649.3	652.9	654.6	651.1	654.6	652.9	649.3	644.1	624.7	615.9	601.8
67.5°	571.9	570.2	568.4	575.4	568.4	570.2	571.9	564.9	552.5	545.5	526.1
70°	492.8	492.8	491.0	494.4	491.0	492.8	492.8	487.4	480.4	475.2	457.5
72.5°	408.2	406.5	413.5	408.2	413.5	406.5	408.2	406.5	403.0	397.7	380.1
75°	325.5	329.1	325.5	330.9	325.5	329.1	325.5	327.3	325.5	322.0	309.7
77.5°	248.1	251.7	248.1	248.1	248.1	251.7	248.1	249.9	249.9	249.9	239.3
80°	176.0	174.2	174.2	172.4	174.2	174.2	176.0	176.0	177.7	174.2	170.7
82.5°	112.6	110.8	110.8	114.4	110.8	110.8	112.6	114.4	110.8	110.8	110.8
85°	61.6	63.3	59.9	59.9	59.9	63.3	61.6	58.1	61.6	61.6	59.9
87.5°	22.9	21.1	21.1	21.1	21.1	21.1	22.9	24.6	24.6	24.6	26.4
90°	26.2	26.2	26.2	26.2	26.2	26.2	26.2	34.9	46.5	52.4	45.0
92.5°	131.1	125.8	105.0	84.1	105.0	125.8	131.1	185.8	258.7	295.2	259.1
95°	444.8	429.0	365.9	302.7	365.9	429.0	444.8	584.1	769.9	862.8	728.7
97.5°	1026.9	996.9	876.7	756.6	876.7	996.9	1026.9	1115.0	1232.4	1291.1	1067.5
100°	1442.0	1406.2	1263.2	1120.0	1263.2	1406.2	1442.0	1435.6	1427.0	1422.8	1174.6
102.5°	1796.5	1765.9	1643.2	1520.7	1643.2	1765.9	1796.5	1684.4	1534.7	1460.0	1208.3
105°	2210.3	2193.8	2127.9	2062.0	2127.9	2193.8	2210.3	1958.8	1623.5	1455.9	1212.2
107.5°	2425.5	2429.5	2445.4	2461.4	2445.4	2429.5	2425.5	2074.7	1607.0	1373.1	1158.2
110°	2480.7	2497.9	2566.5	2635.1	2566.5	2497.9	2480.7	2088.5	1565.5	1304.1	1110.4



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CANDELA DISTRIBUTION (continued):

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



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1860.0	1860.0	1860.0	1860.0	1860.0
2.5°	1837.2	1846.0	1851.2	1858.2	1875.9
5°	1766.8	1800.2	1810.7	1837.2	1868.8
7.5°	1611.9	1713.9	1742.2	1805.5	1854.8
10°	1462.4	1564.4	1613.7	1763.2	1837.2
12.5°	1386.7	1446.5	1479.9	1689.3	1812.5
15°	1339.2	1381.4	1406.1	1590.8	1784.3
17.5°	1302.2	1332.1	1349.7	1494.0	1745.6
20°	1279.3	1293.4	1309.3	1423.6	1701.7
22.5°	1263.4	1254.7	1267.0	1374.4	1641.8
25°	1253.0	1219.5	1233.6	1335.6	1571.4
27.5°	1261.8	1187.8	1193.1	1300.5	1497.5
30°	1263.4	1149.1	1150.8	1263.4	1414.9
32.5°	1251.2	1108.7	1110.4	1217.7	1321.5
35°	1221.3	1061.1	1059.4	1165.0	1194.9
37.5°	1180.8	1010.1	1010.1	1106.9	1055.8
40°	1131.5	959.0	964.4	1031.2	932.7
42.5°	1071.6	904.5	911.5	930.9	841.1
45°	1006.5	851.7	857.0	786.6	770.8
47.5°	934.4	797.2	798.9	652.9	747.9
50°	848.2	740.9	733.8	559.6	746.1
52.5°	772.6	679.2	658.1	506.8	677.5
55°	698.6	614.1	568.4	466.3	628.3
57.5°	633.5	529.7	485.6	418.8	617.7
60°	573.6	446.9	413.5	367.8	566.6
62.5°	524.4	385.4	378.4	332.6	513.8
65°	471.6	343.1	341.3	302.6	436.5
67.5°	420.6	315.0	313.2	274.5	332.6
70°	366.0	285.0	281.6	244.6	246.3
72.5°	309.7	251.7	248.1	220.0	204.2
75°	253.4	212.9	211.2	191.8	165.4
77.5°	198.8	168.9	172.4	154.9	121.4
80°	142.5	123.2	126.7	110.8	91.5
82.5°	95.0	81.0	84.4	70.4	61.6
85°	52.8	45.7	47.5	36.9	28.1
87.5°	24.6	21.1	21.1	14.1	8.8
90°	30.3	19.3	17.9	12.4	6.9
92.5°	187.1	133.1	121.4	74.5	27.6
95°	460.4	259.3	237.8	152.0	66.2
97.5°	620.2	284.8	265.9	190.1	114.5
100°	678.3	306.2	289.0	220.4	151.8
102.5°	705.1	327.6	311.6	247.5	183.5
105°	724.8	359.3	345.7	291.5	237.3
107.5°	728.5	406.2	393.6	342.9	292.4
110°	722.9	432.4	420.9	375.3	329.6



TEST NUMBER: P935675

CATALOG NUMBER: SQ4-FA-125U-100D-940-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

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



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	12.50	13.30	13.53	14.33	15.71	15.33	16.12	16.35	17.15	18.53
	3H	12.98	13.69	14.01	14.73	16.13	16.67	17.38	17.70	18.42	19.82
	4H	13.16	13.84	14.21	14.88	16.29	17.11	17.78	18.15	18.82	20.23
	6H	13.28	13.90	14.33	14.95	16.37	17.39	18.01	18.44	19.05	20.47
	8H	13.28	13.87	14.34	14.93	16.35	17.46	18.05	18.52	19.11	20.53
	12H	13.25	13.81	14.31	14.86	16.30	17.49	18.05	18.56	19.11	20.55
4H	2H	13.53	14.20	14.58	15.24	16.65	15.73	16.40	16.78	17.45	18.85
	3H	14.55	15.11	15.61	16.18	17.60	17.23	17.79	18.29	18.86	20.28
	4H	14.82	15.34	15.89	16.40	17.84	17.75	18.27	18.82	19.33	20.77
	6H	14.94	15.38	16.02	16.47	17.91	18.11	18.55	19.19	19.64	21.07
	8H	14.95	15.36	16.02	16.44	17.89	18.22	18.63	19.29	19.70	21.16
	12H	14.91	15.28	16.00	16.37	17.83	18.27	18.64	19.36	19.73	21.19
8H	4H	15.27	15.68	16.34	16.76	18.21	17.87	18.28	18.95	19.36	20.81
	6H	15.53	15.87	16.63	16.99	18.44	18.30	18.64	19.40	19.76	21.21
	8H	15.57	15.87	16.67	16.97	18.44	18.45	18.75	19.56	19.85	21.32
	12H	15.55	15.81	16.66	16.91	18.42	18.55	18.81	19.66	19.91	21.42
12H	4H	15.27	15.64	16.36	16.73	18.19	17.83	18.20	18.93	19.30	20.75
	6H	15.59	15.89	16.69	16.99	18.46	18.30	18.60	19.40	19.70	21.17
	8H	15.65	15.91	16.76	17.01	18.52	18.46	18.72	19.57	19.82	21.33