

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: P935193

Luminaire Tested: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-8-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935193
REPORT IS A COMBINATION OF REPORTS P933744 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-8-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

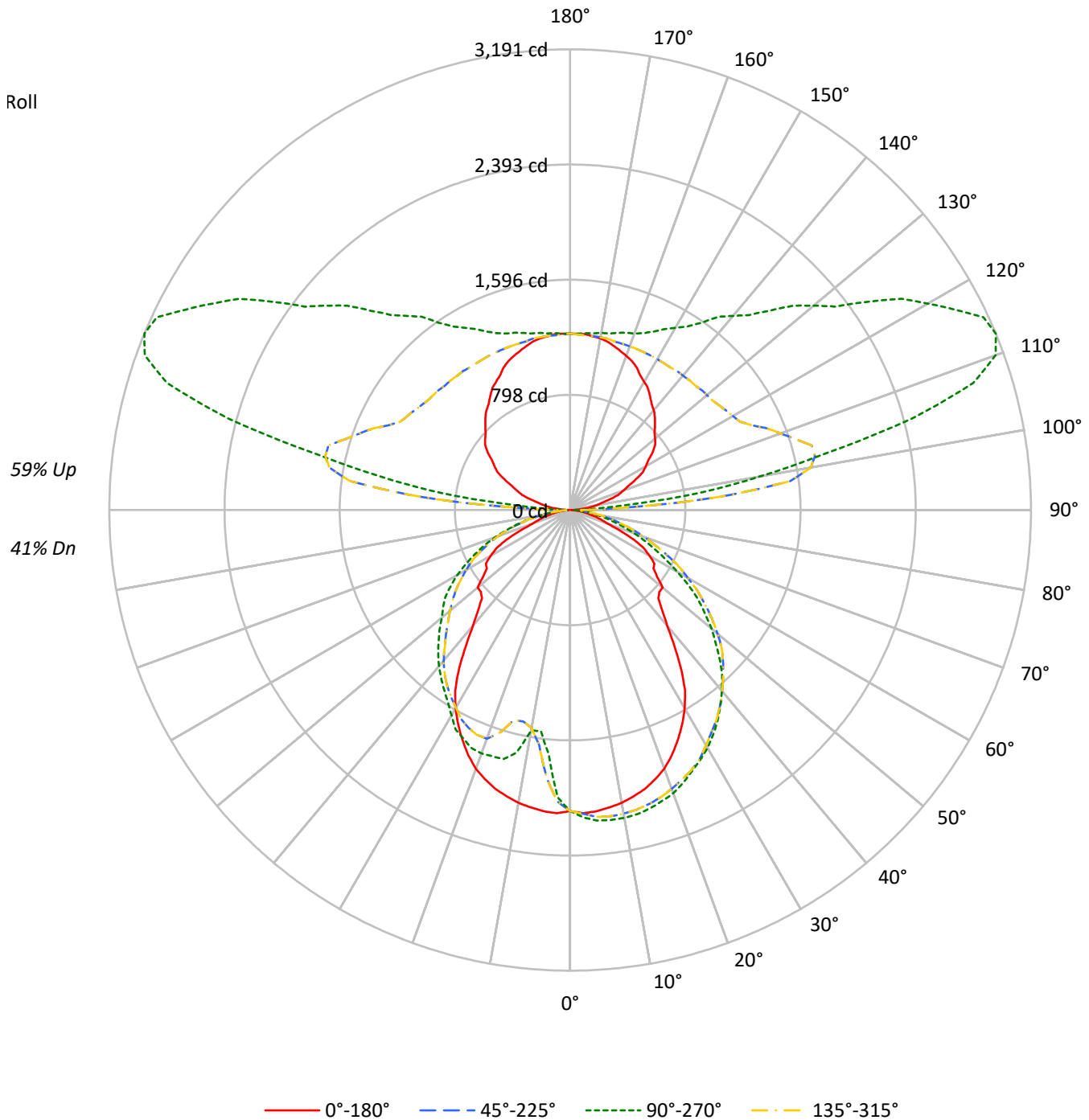
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13331.7 lumens
Efficiency: N/A
Efficacy: 135.5 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): 98.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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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	78	78	78	62	62	62	47	47	47	47	47	47	41
1	96	91	88	84	87	83	80	77	68	66	64	55	53	52	42	41	40	40	40	40	34
2	87	80	74	69	79	73	68	63	60	56	53	48	45	43	37	35	34	34	34	34	29
3	79	70	63	57	72	64	58	53	53	48	45	42	39	37	33	31	29	29	29	29	24
4	73	62	54	48	66	57	50	45	47	42	38	38	34	31	29	27	25	25	25	25	21
5	67	55	47	41	60	51	44	38	42	37	33	34	30	27	26	24	22	22	22	22	18
6	61	49	41	36	56	45	38	33	38	32	28	31	27	24	24	21	19	19	19	19	16
7	57	45	37	31	51	41	34	29	34	29	25	28	24	21	22	19	17	17	17	17	14
8	52	40	33	27	48	37	30	26	31	26	22	25	21	18	20	17	15	15	15	15	13
9	49	37	29	24	44	34	27	23	28	23	20	23	19	17	18	16	13	13	13	13	11
10	46	34	26	22	41	31	25	20	26	21	18	21	18	15	17	14	12	12	12	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9670	9670	9670	9670
5°	9743	9762	9743	7676
10°	9678	9616	9678	6874
15°	9572	9407	9572	7855
20°	9372	9161	9372	7872
25°	8962	8801	8962	7705
30°	8433	8502	8433	7339
35°	7518	8124	7518	6936
40°	6265	7679	6265	6632
45°	5597	7158	5597	6282
50°	5946	6537	5946	5932
55°	5595	5868	5595	5729
60°	5767	4983	5767	5247
65°	5229	4119	5229	4605
70°	3621	3283	3621	3860
75°	3175	2427	3175	2906
80°	2557	1605	2557	1747
85°	1472	850	1472	722

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8578 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.1	1.4
10°-20°	534.2	4.0
20°-30°	825.8	6.2
30°-40°	985.8	7.4
40°-50°	991.6	7.4
50°-60°	862.8	6.5
60°-70°	611.8	4.6
70°-80°	323.7	2.4
80°-90°	85.3	0.6
90°-100°	595.8	4.5
100°-110°	1566.2	11.7
110°-120°	1624.0	12.2
120°-130°	1302.7	9.8
130°-140°	1022.1	7.7
140°-150°	784.5	5.9
150°-160°	565.0	4.2
160°-170°	345.7	2.6
170°-180°	116.8	0.9
0°-30°	1548.1	11.6
0°-40°	2533.9	19.0
0°-60°	4388.3	32.9
0°-90°	5408.9	40.6
90°-120°	3786.0	28.4
90°-150°	6895.3	51.7
90°-180°	7923.0	59.4
0°-180°	13331.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2084	2084	2084	2084	2084	
5°	2094	2159	2094	1698	2094	199
15°	2000	2140	2000	1786	2000	563
25°	1761	1996	1761	1747	1761	809
35°	1339	1781	1339	1520	1339	828
45°	864	1467	864	1288	864	692
55°	704	1083	704	1057	704	647
65°	489	653	489	730	489	467
75°	185	310	185	371	185	195
85°	32	79	32	67	32	43
90°	8	31	8	31	8	8
95°	79	360	79	360	79	87
105°	282	2452	282	2452	282	299
115°	501	3158	501	3158	501	495
125°	697	2515	697	2515	697	619
135°	831	1951	831	1951	831	643
145°	964	1583	964	1583	964	604
155°	1089	1363	1089	1363	1089	500
165°	1175	1270	1175	1270	1175	332
175°	1222	1230	1222	1230	1222	116
180°	1222	1222	1222	1222	1222	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3
2.5°	2102.1	2102.1	2113.9	2117.8	2117.8	2111.9	2106.0	2111.9	2129.7	2135.6	2133.6
5°	2094.2	2109.9	2131.6	2135.6	2139.5	2137.5	2133.6	2137.5	2157.3	2161.2	2163.2
7.5°	2078.4	2108.0	2135.6	2141.5	2147.4	2141.5	2139.5	2143.5	2163.2	2167.1	2167.1
10°	2058.7	2100.1	2131.6	2135.6	2141.5	2135.6	2135.6	2143.5	2163.2	2167.1	2169.1
12.5°	2031.1	2088.2	2117.8	2121.8	2129.7	2127.7	2125.7	2133.6	2153.3	2157.3	2157.3
15°	1999.5	2066.6	2094.2	2098.1	2111.9	2108.0	2108.0	2115.9	2137.5	2143.5	2141.5
17.5°	1956.1	2038.9	2070.5	2076.4	2086.3	2084.3	2086.3	2094.2	2113.9	2117.8	2119.8
20°	1906.8	2001.5	2038.9	2044.9	2054.7	2054.7	2054.7	2064.6	2084.3	2092.2	2092.2
22.5°	1839.8	1962.0	2001.5	2005.4	2017.3	2017.3	2021.2	2035.0	2052.8	2054.7	2054.7
25°	1760.9	1918.7	1952.2	1964.0	1975.8	1981.8	1987.7	1995.6	2001.5	1999.5	2001.5
27.5°	1678.1	1863.4	1906.8	1914.7	1930.5	1936.4	1944.3	1946.3	1948.2	1954.2	1950.2
30°	1585.4	1786.5	1851.6	1859.5	1885.1	1889.1	1881.2	1885.1	1895.0	1898.9	1902.9
32.5°	1480.9	1672.2	1794.4	1812.2	1835.8	1824.0	1822.0	1827.9	1843.7	1843.7	1847.7
35°	1338.9	1583.4	1741.2	1757.0	1774.7	1760.9	1768.8	1770.8	1780.6	1786.5	1784.6
37.5°	1183.1	1506.5	1686.0	1697.8	1711.6	1693.8	1705.7	1711.6	1719.5	1715.5	1715.5
40°	1045.2	1386.2	1620.9	1628.8	1640.6	1626.8	1638.6	1642.6	1646.5	1642.6	1640.6
42.5°	942.6	1254.1	1551.9	1561.7	1553.8	1563.7	1567.6	1575.5	1569.6	1561.7	1561.7
45°	863.7	1218.6	1476.9	1488.8	1476.9	1492.7	1498.6	1498.6	1480.9	1476.9	1475.0
47.5°	838.1	1147.7	1402.0	1402.0	1396.1	1415.8	1425.7	1411.9	1394.1	1388.2	1388.2
50°	836.1	1068.8	1299.4	1291.6	1319.2	1342.8	1333.0	1319.2	1305.4	1283.7	1283.7
52.5°	759.2	972.2	1167.4	1196.9	1240.3	1254.1	1238.3	1224.5	1200.8	1191.0	1183.1
55°	704.0	871.6	1047.1	1106.3	1151.6	1169.4	1139.8	1126.0	1090.5	1084.6	1080.7
57.5°	692.2	725.7	936.7	1011.6	1066.9	1064.9	1047.1	1021.5	991.9	986.0	984.0
60°	635.0	524.6	818.4	907.1	964.3	958.4	942.6	919.0	891.3	887.4	883.5
62.5°	575.8	380.6	684.3	784.9	865.7	863.7	849.9	814.4	794.7	784.9	777.0
65°	489.1	319.5	487.1	652.7	769.1	773.0	743.4	717.8	696.1	684.3	682.3
67.5°	372.7	260.3	329.3	544.3	676.4	672.5	635.0	623.2	595.5	589.6	577.8
70°	276.1	173.5	228.8	441.7	585.7	575.8	546.2	532.4	506.8	493.0	485.1
72.5°	228.8	140.0	167.6	343.1	493.0	481.2	455.5	439.8	418.1	406.2	398.3
75°	185.4	147.9	128.2	254.4	400.3	392.4	368.8	353.0	335.2	319.5	321.4
77.5°	136.1	138.0	102.5	187.3	317.5	305.7	291.9	272.1	264.2	248.5	248.5
80°	102.5	108.5	76.9	128.2	228.8	228.8	216.9	203.1	189.3	181.4	181.4
82.5°	69.0	69.0	57.2	80.9	155.8	149.9	142.0	138.0	130.2	126.2	126.2
85°	31.6	39.4	35.5	49.3	84.8	88.7	88.7	84.8	82.8	78.9	80.9
87.5°	9.9	17.7	21.7	27.6	43.4	45.4	47.3	47.3	47.3	49.3	49.3
90°	8.2	14.8	21.3	23.0	36.1	53.5	62.3	55.4	41.5	31.2	31.2
92.5°	32.8	88.6	144.4	158.4	222.5	308.2	351.0	307.6	221.0	155.9	149.7
95°	78.8	180.8	282.9	308.4	547.6	866.6	1026.1	915.7	694.7	529.1	510.4
97.5°	136.2	226.2	316.3	338.8	737.7	1269.6	1535.5	1465.7	1326.1	1221.4	1185.7
100°	180.4	262.1	343.8	364.2	806.8	1397.1	1692.2	1697.3	1707.5	1715.1	1672.6
102.5°	218.2	294.3	370.5	389.6	838.5	1437.1	1736.4	1825.4	2003.4	2136.8	2100.3
105°	282.2	346.7	411.2	427.3	862.1	1441.7	1731.5	1930.9	2329.7	2628.9	2609.3
107.5°	347.8	407.9	468.1	483.1	866.5	1377.5	1633.1	1911.3	2467.6	2884.7	2889.5
110°	392.0	446.4	500.7	514.3	859.9	1320.6	1551.1	1862.1	2483.9	2950.4	2970.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	435.5	487.3	539.1	552.1	860.2	1271.1	1476.4	1794.7	2431.2	2908.6	2940.0
115°	501.2	548.9	596.7	608.7	868.1	1214.1	1387.0	1693.7	2306.8	2766.7	2810.2
117.5°	566.0	609.3	652.7	663.6	884.2	1178.4	1325.5	1602.2	2155.6	2570.6	2618.8
120°	603.7	644.5	685.4	695.5	897.4	1166.4	1300.9	1553.7	2059.4	2438.6	2485.4
122.5°	640.6	681.8	723.0	733.3	916.2	1160.0	1282.0	1509.7	1965.0	2306.5	2352.8
125°	697.2	734.8	772.3	781.7	941.6	1154.9	1261.5	1454.9	1841.7	2131.8	2174.4
127.5°	743.1	781.0	819.0	828.4	967.1	1151.9	1244.3	1410.4	1742.5	1991.5	2027.4
130°	767.7	808.5	849.3	859.6	985.6	1153.7	1237.7	1385.5	1681.2	1903.0	1936.1
132.5°	793.1	834.0	874.8	885.0	1000.7	1154.9	1232.0	1364.3	1629.0	1827.5	1857.1
135°	830.9	868.1	905.3	914.6	1017.2	1153.8	1222.1	1333.0	1554.6	1720.9	1746.5
137.5°	869.5	906.2	943.1	952.3	1041.7	1160.9	1220.5	1314.1	1501.6	1642.1	1663.1
140°	901.4	935.3	969.2	977.7	1056.7	1162.1	1214.8	1295.7	1457.6	1579.0	1598.6
142.5°	926.1	957.4	988.8	996.6	1069.3	1166.2	1214.8	1285.8	1428.0	1534.7	1551.6
145°	963.8	991.1	1018.5	1025.3	1085.8	1166.3	1206.6	1264.7	1381.0	1468.3	1481.0
147.5°	1001.5	1028.1	1054.7	1061.4	1109.8	1174.3	1206.6	1252.3	1343.8	1412.4	1423.0
150°	1026.1	1050.2	1074.2	1080.3	1122.4	1178.5	1206.6	1245.2	1322.5	1380.5	1389.1
152.5°	1051.6	1069.8	1088.1	1092.6	1130.5	1181.2	1206.6	1239.6	1305.6	1355.1	1361.6
155°	1089.2	1102.7	1116.3	1119.6	1148.6	1187.2	1206.6	1232.8	1285.3	1324.7	1328.9
157.5°	1117.1	1130.3	1143.5	1146.7	1166.6	1193.3	1206.6	1227.0	1267.8	1298.5	1301.4
160°	1136.1	1146.3	1156.5	1159.0	1174.9	1196.0	1206.6	1224.1	1259.1	1285.3	1287.1
162.5°	1154.9	1162.6	1170.3	1172.2	1183.6	1198.9	1206.6	1221.4	1250.8	1273.0	1274.7
165°	1175.4	1182.3	1189.2	1191.0	1196.2	1203.1	1206.6	1217.1	1238.3	1254.2	1256.0
167.5°	1194.2	1197.5	1200.8	1201.6	1206.0	1211.8	1214.8	1221.7	1235.6	1245.9	1246.6
170°	1206.6	1209.8	1213.2	1214.0	1214.3	1214.6	1214.8	1221.7	1235.6	1245.9	1245.9
172.5°	1213.2	1213.9	1214.6	1214.8	1214.8	1214.8	1214.8	1220.3	1231.2	1239.4	1238.8
175°	1222.1	1222.1	1222.1	1222.1	1219.7	1216.4	1214.8	1218.2	1225.1	1230.3	1230.3
177.5°	1222.1	1222.1	1222.1	1222.1	1220.3	1217.7	1216.4	1219.2	1224.6	1228.8	1228.1
180°	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3
2.5°	2137.5	2131.6	2137.5	2133.6	2135.6	2129.7	2111.9	2106.0	2111.9	2117.8	2117.8
5°	2163.2	2159.2	2163.2	2163.2	2161.2	2157.3	2137.5	2133.6	2137.5	2139.5	2135.6
7.5°	2171.1	2165.2	2171.1	2167.1	2167.1	2163.2	2143.5	2139.5	2141.5	2147.4	2141.5
10°	2171.1	2165.2	2171.1	2169.1	2167.1	2163.2	2143.5	2135.6	2135.6	2141.5	2135.6
12.5°	2161.2	2157.3	2161.2	2157.3	2157.3	2153.3	2133.6	2125.7	2127.7	2129.7	2121.8
15°	2145.4	2139.5	2145.4	2141.5	2143.5	2137.5	2115.9	2108.0	2108.0	2111.9	2098.1
17.5°	2121.8	2113.9	2121.8	2119.8	2117.8	2113.9	2094.2	2086.3	2084.3	2086.3	2076.4
20°	2094.2	2088.2	2094.2	2092.2	2092.2	2084.3	2064.6	2054.7	2054.7	2054.7	2044.9
22.5°	2050.8	2044.9	2050.8	2054.7	2054.7	2052.8	2035.0	2021.2	2017.3	2017.3	2005.4
25°	2001.5	1995.6	2001.5	2001.5	1999.5	2001.5	1995.6	1987.7	1981.8	1975.8	1964.0
27.5°	1954.2	1950.2	1954.2	1950.2	1954.2	1948.2	1946.3	1944.3	1936.4	1930.5	1914.7
30°	1906.8	1902.9	1906.8	1902.9	1898.9	1895.0	1885.1	1881.2	1889.1	1885.1	1859.5
32.5°	1847.7	1843.7	1847.7	1847.7	1843.7	1843.7	1827.9	1822.0	1824.0	1835.8	1812.2
35°	1786.5	1780.6	1786.5	1784.6	1786.5	1780.6	1770.8	1768.8	1760.9	1774.7	1757.0
37.5°	1715.5	1709.6	1715.5	1715.5	1715.5	1719.5	1711.6	1705.7	1693.8	1711.6	1697.8
40°	1642.6	1634.7	1642.6	1640.6	1642.6	1646.5	1642.6	1638.6	1626.8	1640.6	1628.8
42.5°	1559.8	1557.8	1559.8	1561.7	1561.7	1569.6	1575.5	1567.6	1563.7	1553.8	1561.7
45°	1471.0	1467.1	1471.0	1475.0	1476.9	1480.9	1498.6	1498.6	1492.7	1476.9	1488.8
47.5°	1376.4	1366.5	1376.4	1388.2	1388.2	1394.1	1411.9	1425.7	1415.8	1396.1	1402.0
50°	1275.8	1277.8	1275.8	1283.7	1283.7	1305.4	1319.2	1333.0	1342.8	1319.2	1291.6
52.5°	1177.2	1175.3	1177.2	1183.1	1191.0	1200.8	1224.5	1238.3	1254.1	1240.3	1196.9
55°	1078.7	1082.6	1078.7	1080.7	1084.6	1090.5	1126.0	1139.8	1169.4	1151.6	1106.3
57.5°	980.1	974.2	980.1	984.0	986.0	991.9	1021.5	1047.1	1064.9	1066.9	1011.6
60°	865.7	857.8	865.7	883.5	887.4	891.3	919.0	942.6	958.4	964.3	907.1
62.5°	765.1	751.3	765.1	777.0	784.9	794.7	814.4	849.9	863.7	865.7	784.9
65°	658.6	652.7	658.6	682.3	684.3	696.1	717.8	743.4	773.0	769.1	652.7
67.5°	562.0	562.0	562.0	577.8	589.6	595.5	623.2	635.0	672.5	676.4	544.3
70°	473.3	471.3	473.3	485.1	493.0	506.8	532.4	546.2	575.8	585.7	441.7
72.5°	388.5	386.5	388.5	398.3	406.2	418.1	439.8	455.5	481.2	493.0	343.1
75°	313.5	309.6	313.5	321.4	319.5	335.2	353.0	368.8	392.4	400.3	254.4
77.5°	240.6	240.6	240.6	248.5	248.5	264.2	272.1	291.9	305.7	317.5	187.3
80°	179.5	177.5	179.5	181.4	181.4	189.3	203.1	216.9	228.8	228.8	128.2
82.5°	126.2	122.3	126.2	126.2	126.2	130.2	138.0	142.0	149.9	155.8	80.9
85°	78.9	78.9	78.9	80.9	78.9	82.8	84.8	88.7	88.7	84.8	49.3
87.5°	51.3	49.3	51.3	49.3	49.3	47.3	47.3	47.3	45.4	43.4	27.6
90°	31.2	31.2	31.2	31.2	31.2	41.5	55.4	62.3	53.5	36.1	23.0
92.5°	124.9	100.1	124.9	149.7	155.9	221.0	307.6	351.0	308.2	222.5	158.4
95°	435.2	360.1	435.2	510.4	529.1	694.7	915.7	1026.1	866.6	547.6	308.4
97.5°	1042.7	899.8	1042.7	1185.7	1221.4	1326.1	1465.7	1535.5	1269.6	737.7	338.8
100°	1502.4	1332.1	1502.4	1672.6	1715.1	1707.5	1697.3	1692.2	1397.1	806.8	364.2
102.5°	1954.4	1808.6	1954.4	2100.3	2136.8	2003.4	1825.4	1736.4	1437.1	838.5	389.6
105°	2530.9	2452.5	2530.9	2609.3	2628.9	2329.7	1930.9	1731.5	1441.7	862.1	427.3
107.5°	2908.5	2927.4	2908.5	2889.5	2884.7	2467.6	1911.3	1633.1	1377.5	866.5	483.1
110°	3052.5	3134.1	3052.5	2970.8	2950.4	2483.9	1862.1	1551.1	1320.6	859.9	514.3



TEST NUMBER: P935193

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3065.3	3190.7	3065.3	2940.0	2908.6	2431.2	1794.7	1476.4	1271.1	860.2	552.1
115°	2984.0	3158.0	2984.0	2810.2	2766.7	2306.8	1693.7	1387.0	1214.1	868.1	608.7
117.5°	2811.7	3004.5	2811.7	2618.8	2570.6	2155.6	1602.2	1325.5	1178.4	884.2	663.6
120°	2672.8	2860.2	2672.8	2485.4	2438.6	2059.4	1553.7	1300.9	1166.4	897.4	695.5
122.5°	2537.6	2722.3	2537.6	2352.8	2306.5	1965.0	1509.7	1282.0	1160.0	916.2	733.3
125°	2344.6	2514.9	2344.6	2174.4	2131.8	1841.7	1454.9	1261.5	1154.9	941.6	781.7
127.5°	2171.1	2314.7	2171.1	2027.4	1991.5	1742.5	1410.4	1244.3	1151.9	967.1	828.4
130°	2068.8	2201.5	2068.8	1936.1	1903.0	1681.2	1385.5	1237.7	1153.7	985.6	859.6
132.5°	1976.0	2094.9	1976.0	1857.1	1827.5	1629.0	1364.3	1232.0	1154.9	1000.7	885.0
135°	1848.9	1951.4	1848.9	1746.5	1720.9	1554.6	1333.0	1222.1	1153.8	1017.2	914.6
137.5°	1746.9	1830.8	1746.9	1663.1	1642.1	1501.6	1314.1	1220.5	1160.9	1041.7	952.3
140°	1676.9	1755.3	1676.9	1598.6	1579.0	1457.6	1295.7	1214.8	1162.1	1056.7	977.7
142.5°	1619.0	1686.5	1619.0	1551.6	1534.7	1428.0	1285.8	1214.8	1166.2	1069.3	996.6
145°	1532.0	1583.0	1532.0	1481.0	1468.3	1381.0	1264.7	1206.6	1166.3	1085.8	1025.3
147.5°	1465.3	1507.6	1465.3	1423.0	1412.4	1343.8	1252.3	1206.6	1174.3	1109.8	1061.4
150°	1423.3	1457.6	1423.3	1389.1	1380.5	1322.5	1245.2	1206.6	1178.5	1122.4	1080.3
152.5°	1387.4	1413.2	1387.4	1361.6	1355.1	1305.6	1239.6	1206.6	1181.2	1130.5	1092.6
155°	1346.1	1363.2	1346.1	1328.9	1324.7	1285.3	1232.8	1206.6	1187.2	1148.6	1119.6
157.5°	1313.5	1325.5	1313.5	1301.4	1298.5	1267.8	1227.0	1206.6	1193.3	1166.6	1146.7
160°	1294.0	1300.9	1294.0	1287.1	1285.3	1259.1	1224.1	1206.6	1196.0	1174.9	1159.0
162.5°	1281.2	1287.8	1281.2	1274.7	1273.0	1250.8	1221.4	1206.6	1198.9	1183.6	1172.2
165°	1262.9	1269.8	1262.9	1256.0	1254.2	1238.3	1217.1	1206.6	1203.1	1196.2	1191.0
167.5°	1249.6	1252.5	1249.6	1246.6	1245.9	1235.6	1221.7	1214.8	1211.8	1206.0	1201.6
170°	1245.9	1245.9	1245.9	1245.9	1245.9	1235.6	1221.7	1214.8	1214.6	1214.3	1214.0
172.5°	1236.2	1233.7	1236.2	1238.8	1239.4	1231.2	1220.3	1214.8	1214.8	1214.8	1214.8
175°	1230.3	1230.3	1230.3	1230.3	1230.3	1225.1	1218.2	1214.8	1216.4	1219.7	1222.1
177.5°	1225.1	1222.1	1225.1	1228.1	1228.8	1224.6	1219.2	1216.4	1217.7	1220.3	1222.1
180°	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1



TEST NUMBER: P935193

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3
2.5°	2113.9	2102.1	2102.1	2082.3	2074.4	2068.5	2058.7	2029.1	2021.2	2013.3	2025.1
5°	2131.6	2109.9	2094.2	2058.7	2029.1	2017.3	1979.8	1908.8	1861.5	1826.0	1806.3
7.5°	2135.6	2108.0	2078.4	2023.2	1952.2	1920.6	1806.3	1676.1	1640.6	1609.1	1589.3
10°	2131.6	2100.1	2058.7	1975.8	1808.2	1753.0	1638.6	1553.8	1532.1	1526.2	1532.1
12.5°	2117.8	2088.2	2031.1	1893.0	1658.4	1620.9	1553.8	1504.5	1500.6	1510.5	1563.7
15°	2094.2	2066.6	1999.5	1782.6	1575.5	1547.9	1500.6	1482.8	1504.5	1573.6	1733.3
17.5°	2070.5	2038.9	1956.1	1674.1	1512.4	1492.7	1459.2	1494.7	1616.9	1709.6	1762.9
20°	2038.9	2001.5	1906.8	1595.2	1467.1	1449.3	1433.5	1593.3	1686.0	1719.5	1749.1
22.5°	2001.5	1962.0	1839.8	1540.0	1419.7	1405.9	1415.8	1648.5	1686.0	1709.6	1735.3
25°	1952.2	1918.7	1760.9	1496.6	1382.3	1366.5	1404.0	1642.6	1664.3	1670.2	1721.5
27.5°	1906.8	1863.4	1678.1	1457.2	1336.9	1331.0	1413.8	1616.9	1632.7	1638.6	1693.8
30°	1851.6	1786.5	1585.4	1415.8	1289.6	1287.6	1415.8	1585.4	1581.4	1597.2	1652.4
32.5°	1794.4	1672.2	1480.9	1364.5	1244.2	1242.3	1402.0	1538.1	1534.1	1555.8	1597.2
35°	1741.2	1583.4	1338.9	1305.4	1187.0	1189.0	1368.5	1482.8	1484.8	1504.5	1530.2
37.5°	1686.0	1506.5	1183.1	1240.3	1131.9	1131.9	1323.1	1431.6	1427.6	1433.5	1469.0
40°	1620.9	1386.2	1045.2	1155.6	1080.7	1074.7	1267.9	1376.4	1362.6	1360.6	1409.9
42.5°	1551.9	1254.1	942.6	1043.2	1021.5	1013.6	1200.8	1309.3	1283.7	1289.6	1352.7
45°	1476.9	1218.6	863.7	881.5	960.4	954.4	1128.0	1232.4	1214.7	1230.4	1295.5
47.5°	1402.0	1147.7	838.1	731.6	895.3	893.3	1047.1	1157.6	1147.7	1163.5	1232.4
50°	1299.4	1068.8	836.1	627.1	822.3	830.2	950.5	1084.6	1084.6	1098.4	1171.4
52.5°	1167.4	972.2	759.2	567.9	737.5	761.2	865.7	1021.5	1025.4	1039.2	1104.3
55°	1047.1	871.6	704.0	522.6	637.0	688.2	782.9	956.4	964.3	978.1	1037.3
57.5°	936.7	725.7	692.2	469.3	544.3	593.6	709.9	893.3	897.3	909.1	966.3
60°	818.4	524.6	635.0	412.1	463.4	500.9	642.9	818.4	832.2	840.1	889.4
62.5°	684.3	380.6	575.8	372.7	424.0	431.9	587.7	747.4	765.1	771.1	800.6
65°	487.1	319.5	489.1	339.2	382.6	384.5	528.5	674.4	690.2	700.1	721.8
67.5°	329.3	260.3	372.7	307.6	351.0	353.0	471.3	589.6	611.3	619.2	633.0
70°	228.8	173.5	276.1	274.1	315.5	319.5	410.2	512.7	532.4	538.4	546.2
72.5°	167.6	140.0	228.8	246.5	278.1	282.0	347.1	426.0	445.7	451.6	455.5
75°	128.2	147.9	185.4	214.9	236.6	238.6	284.0	347.1	360.9	364.8	366.8
77.5°	102.5	138.0	136.1	173.5	193.3	189.3	222.8	268.2	280.0	280.0	280.0
80°	76.9	108.5	102.5	124.2	142.0	138.0	159.7	191.3	195.2	199.2	197.2
82.5°	57.2	69.0	69.0	78.9	94.7	90.7	106.5	124.2	124.2	124.2	128.2
85°	35.5	39.4	31.6	41.4	53.2	51.3	59.2	67.0	69.0	69.0	65.1
87.5°	21.7	17.7	9.9	15.8	23.7	23.7	27.6	29.6	27.6	27.6	27.6
90°	21.3	14.8	8.2	14.8	21.3	23.0	36.1	53.5	62.3	55.4	41.5
92.5°	144.4	88.6	32.8	88.6	144.4	158.4	222.5	308.2	351.0	307.6	221.0
95°	282.9	180.8	78.8	180.8	282.9	308.4	547.6	866.6	1026.1	915.7	694.7
97.5°	316.3	226.2	136.2	226.2	316.3	338.8	737.7	1269.6	1535.5	1465.7	1326.1
100°	343.8	262.1	180.4	262.1	343.8	364.2	806.8	1397.1	1692.2	1697.3	1707.5
102.5°	370.5	294.3	218.2	294.3	370.5	389.6	838.5	1437.1	1736.4	1825.4	2003.4
105°	411.2	346.7	282.2	346.7	411.2	427.3	862.1	1441.7	1731.5	1930.9	2329.7
107.5°	468.1	407.9	347.8	407.9	468.1	483.1	866.5	1377.5	1633.1	1911.3	2467.6
110°	500.7	446.4	392.0	446.4	500.7	514.3	859.9	1320.6	1551.1	1862.1	2483.9



TEST NUMBER: P935193

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	539.1	487.3	435.5	487.3	539.1	552.1	860.2	1271.1	1476.4	1794.7	2431.2
115°	596.7	548.9	501.2	548.9	596.7	608.7	868.1	1214.1	1387.0	1693.7	2306.8
117.5°	652.7	609.3	566.0	609.3	652.7	663.6	884.2	1178.4	1325.5	1602.2	2155.6
120°	685.4	644.5	603.7	644.5	685.4	695.5	897.4	1166.4	1300.9	1553.7	2059.4
122.5°	723.0	681.8	640.6	681.8	723.0	733.3	916.2	1160.0	1282.0	1509.7	1965.0
125°	772.3	734.8	697.2	734.8	772.3	781.7	941.6	1154.9	1261.5	1454.9	1841.7
127.5°	819.0	781.0	743.1	781.0	819.0	828.4	967.1	1151.9	1244.3	1410.4	1742.5
130°	849.3	808.5	767.7	808.5	849.3	859.6	985.6	1153.7	1237.7	1385.5	1681.2
132.5°	874.8	834.0	793.1	834.0	874.8	885.0	1000.7	1154.9	1232.0	1364.3	1629.0
135°	905.3	868.1	830.9	868.1	905.3	914.6	1017.2	1153.8	1222.1	1333.0	1554.6
137.5°	943.1	906.2	869.5	906.2	943.1	952.3	1041.7	1160.9	1220.5	1314.1	1501.6
140°	969.2	935.3	901.4	935.3	969.2	977.7	1056.7	1162.1	1214.8	1295.7	1457.6
142.5°	988.8	957.4	926.1	957.4	988.8	996.6	1069.3	1166.2	1214.8	1285.8	1428.0
145°	1018.5	991.1	963.8	991.1	1018.5	1025.3	1085.8	1166.3	1206.6	1264.7	1381.0
147.5°	1054.7	1028.1	1001.5	1028.1	1054.7	1061.4	1109.8	1174.3	1206.6	1252.3	1343.8
150°	1074.2	1050.2	1026.1	1050.2	1074.2	1080.3	1122.4	1178.5	1206.6	1245.2	1322.5
152.5°	1088.1	1069.8	1051.6	1069.8	1088.1	1092.6	1130.5	1181.2	1206.6	1239.6	1305.6
155°	1116.3	1102.7	1089.2	1102.7	1116.3	1119.6	1148.6	1187.2	1206.6	1232.8	1285.3
157.5°	1143.5	1130.3	1117.1	1130.3	1143.5	1146.7	1166.6	1193.3	1206.6	1227.0	1267.8
160°	1156.5	1146.3	1136.1	1146.3	1156.5	1159.0	1174.9	1196.0	1206.6	1224.1	1259.1
162.5°	1170.3	1162.6	1154.9	1162.6	1170.3	1172.2	1183.6	1198.9	1206.6	1221.4	1250.8
165°	1189.2	1182.3	1175.4	1182.3	1189.2	1191.0	1196.2	1203.1	1206.6	1217.1	1238.3
167.5°	1200.8	1197.5	1194.2	1197.5	1200.8	1201.6	1206.0	1211.8	1214.8	1221.7	1235.6
170°	1213.2	1209.8	1206.6	1209.8	1213.2	1214.0	1214.3	1214.6	1214.8	1221.7	1235.6
172.5°	1214.6	1213.9	1213.2	1213.9	1214.6	1214.8	1214.8	1214.8	1214.8	1220.3	1231.2
175°	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1219.7	1216.4	1214.8	1218.2	1225.1
177.5°	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1220.3	1217.7	1216.4	1219.2	1224.6
180°	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1



TEST NUMBER: P935193

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3
2.5°	2011.3	2005.4	2013.3	1991.6	2013.3	2005.4	2011.3	2025.1	2013.3	2021.2	2029.1
5°	1764.8	1755.0	1723.4	1697.8	1723.4	1755.0	1764.8	1806.3	1826.0	1861.5	1908.8
7.5°	1577.5	1569.6	1561.7	1545.9	1561.7	1569.6	1577.5	1589.3	1609.1	1640.6	1676.1
10°	1536.1	1538.1	1549.9	1547.9	1549.9	1538.1	1536.1	1532.1	1526.2	1532.1	1553.8
12.5°	1642.6	1660.3	1725.4	1721.5	1725.4	1660.3	1642.6	1563.7	1510.5	1500.6	1504.5
15°	1764.8	1770.8	1784.6	1786.5	1784.6	1770.8	1764.8	1733.3	1573.6	1504.5	1482.8
17.5°	1776.7	1778.6	1788.5	1788.5	1788.5	1778.6	1776.7	1762.9	1709.6	1616.9	1494.7
20°	1766.8	1770.8	1790.5	1794.4	1790.5	1770.8	1766.8	1749.1	1719.5	1686.0	1593.3
22.5°	1762.9	1770.8	1786.5	1784.6	1786.5	1770.8	1762.9	1735.3	1709.6	1686.0	1648.5
25°	1743.1	1743.1	1745.1	1747.1	1745.1	1743.1	1743.1	1721.5	1670.2	1664.3	1642.6
27.5°	1701.7	1705.7	1717.5	1715.5	1717.5	1705.7	1701.7	1693.8	1638.6	1632.7	1616.9
30°	1664.3	1660.3	1650.5	1642.6	1650.5	1660.3	1664.3	1652.4	1597.2	1581.4	1585.4
32.5°	1601.2	1591.3	1581.4	1575.5	1581.4	1591.3	1601.2	1597.2	1555.8	1534.1	1538.1
35°	1526.2	1528.2	1526.2	1520.3	1526.2	1528.2	1526.2	1530.2	1504.5	1484.8	1482.8
37.5°	1473.0	1476.9	1475.0	1467.1	1475.0	1476.9	1473.0	1469.0	1433.5	1427.6	1431.6
40°	1417.8	1419.7	1417.8	1411.9	1417.8	1419.7	1417.8	1409.9	1360.6	1362.6	1376.4
42.5°	1364.5	1362.6	1356.6	1352.7	1356.6	1362.6	1364.5	1352.7	1289.6	1283.7	1309.3
45°	1303.4	1305.4	1293.5	1287.6	1293.5	1305.4	1303.4	1295.5	1230.4	1214.7	1232.4
47.5°	1242.3	1242.3	1232.4	1226.5	1232.4	1242.3	1242.3	1232.4	1163.5	1147.7	1157.6
50°	1177.2	1175.3	1161.5	1159.5	1161.5	1175.3	1177.2	1171.4	1098.4	1084.6	1084.6
52.5°	1102.3	1102.3	1104.3	1108.3	1104.3	1102.3	1102.3	1104.3	1039.2	1025.4	1021.5
55°	1037.3	1039.2	1053.0	1057.0	1053.0	1039.2	1037.3	1037.3	978.1	964.3	956.4
57.5°	970.2	970.2	980.1	980.1	980.1	970.2	970.2	966.3	909.1	897.3	893.3
60°	893.3	897.3	905.1	903.2	905.1	897.3	893.3	889.4	840.1	832.2	818.4
62.5°	812.5	816.4	818.4	814.4	818.4	816.4	812.5	800.6	771.1	765.1	747.4
65°	727.7	731.6	733.6	729.6	733.6	731.6	727.7	721.8	700.1	690.2	674.4
67.5°	640.9	638.9	637.0	644.8	637.0	638.9	640.9	633.0	619.2	611.3	589.6
70°	552.2	552.2	550.2	554.1	550.2	552.2	552.2	546.2	538.4	532.4	512.7
72.5°	457.5	455.5	463.4	457.5	463.4	455.5	457.5	455.5	451.6	445.7	426.0
75°	364.8	368.8	364.8	370.7	364.8	368.8	364.8	366.8	364.8	360.9	347.1
77.5°	278.1	282.0	278.1	278.1	278.1	282.0	278.1	280.0	280.0	280.0	268.2
80°	197.2	195.2	195.2	193.3	195.2	195.2	197.2	197.2	199.2	195.2	191.3
82.5°	126.2	124.2	124.2	128.2	124.2	124.2	126.2	128.2	124.2	124.2	124.2
85°	69.0	71.0	67.0	67.0	67.0	71.0	69.0	65.1	69.0	69.0	67.0
87.5°	25.6	23.7	23.7	23.7	23.7	23.7	25.6	27.6	27.6	27.6	29.6
90°	31.2	31.2	31.2	31.2	31.2	31.2	31.2	41.5	55.4	62.3	53.5
92.5°	155.9	149.7	124.9	100.1	124.9	149.7	155.9	221.0	307.6	351.0	308.2
95°	529.1	510.4	435.2	360.1	435.2	510.4	529.1	694.7	915.7	1026.1	866.6
97.5°	1221.4	1185.7	1042.7	899.8	1042.7	1185.7	1221.4	1326.1	1465.7	1535.5	1269.6
100°	1715.1	1672.6	1502.4	1332.1	1502.4	1672.6	1715.1	1707.5	1697.3	1692.2	1397.1
102.5°	2136.8	2100.3	1954.4	1808.6	1954.4	2100.3	2136.8	2003.4	1825.4	1736.4	1437.1
105°	2628.9	2609.3	2530.9	2452.5	2530.9	2609.3	2628.9	2329.7	1930.9	1731.5	1441.7
107.5°	2884.7	2889.5	2908.5	2927.4	2908.5	2889.5	2884.7	2467.6	1911.3	1633.1	1377.5
110°	2950.4	2970.8	3052.5	3134.1	3052.5	2970.8	2950.4	2483.9	1862.1	1551.1	1320.6



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2908.6	2940.0	3065.3	3190.7	3065.3	2940.0	2908.6	2431.2	1794.7	1476.4	1271.1
115°	2766.7	2810.2	2984.0	3158.0	2984.0	2810.2	2766.7	2306.8	1693.7	1387.0	1214.1
117.5°	2570.6	2618.8	2811.7	3004.5	2811.7	2618.8	2570.6	2155.6	1602.2	1325.5	1178.4
120°	2438.6	2485.4	2672.8	2860.2	2672.8	2485.4	2438.6	2059.4	1553.7	1300.9	1166.4
122.5°	2306.5	2352.8	2537.6	2722.3	2537.6	2352.8	2306.5	1965.0	1509.7	1282.0	1160.0
125°	2131.8	2174.4	2344.6	2514.9	2344.6	2174.4	2131.8	1841.7	1454.9	1261.5	1154.9
127.5°	1991.5	2027.4	2171.1	2314.7	2171.1	2027.4	1991.5	1742.5	1410.4	1244.3	1151.9
130°	1903.0	1936.1	2068.8	2201.5	2068.8	1936.1	1903.0	1681.2	1385.5	1237.7	1153.7
132.5°	1827.5	1857.1	1976.0	2094.9	1976.0	1857.1	1827.5	1629.0	1364.3	1232.0	1154.9
135°	1720.9	1746.5	1848.9	1951.4	1848.9	1746.5	1720.9	1554.6	1333.0	1222.1	1153.8
137.5°	1642.1	1663.1	1746.9	1830.8	1746.9	1663.1	1642.1	1501.6	1314.1	1220.5	1160.9
140°	1579.0	1598.6	1676.9	1755.3	1676.9	1598.6	1579.0	1457.6	1295.7	1214.8	1162.1
142.5°	1534.7	1551.6	1619.0	1686.5	1619.0	1551.6	1534.7	1428.0	1285.8	1214.8	1166.2
145°	1468.3	1481.0	1532.0	1583.0	1532.0	1481.0	1468.3	1381.0	1264.7	1206.6	1166.3
147.5°	1412.4	1423.0	1465.3	1507.6	1465.3	1423.0	1412.4	1343.8	1252.3	1206.6	1174.3
150°	1380.5	1389.1	1423.3	1457.6	1423.3	1389.1	1380.5	1322.5	1245.2	1206.6	1178.5
152.5°	1355.1	1361.6	1387.4	1413.2	1387.4	1361.6	1355.1	1305.6	1239.6	1206.6	1181.2
155°	1324.7	1328.9	1346.1	1363.2	1346.1	1328.9	1324.7	1285.3	1232.8	1206.6	1187.2
157.5°	1298.5	1301.4	1313.5	1325.5	1313.5	1301.4	1298.5	1267.8	1227.0	1206.6	1193.3
160°	1285.3	1287.1	1294.0	1300.9	1294.0	1287.1	1285.3	1259.1	1224.1	1206.6	1196.0
162.5°	1273.0	1274.7	1281.2	1287.8	1281.2	1274.7	1273.0	1250.8	1221.4	1206.6	1198.9
165°	1254.2	1256.0	1262.9	1269.8	1262.9	1256.0	1254.2	1238.3	1217.1	1206.6	1203.1
167.5°	1245.9	1246.6	1249.6	1252.5	1249.6	1246.6	1245.9	1235.6	1221.7	1214.8	1211.8
170°	1245.9	1245.9	1245.9	1245.9	1245.9	1245.9	1245.9	1235.6	1221.7	1214.8	1214.6
172.5°	1239.4	1238.8	1236.2	1233.7	1236.2	1238.8	1239.4	1231.2	1220.3	1214.8	1214.8
175°	1230.3	1230.3	1230.3	1230.3	1230.3	1230.3	1230.3	1225.1	1218.2	1214.8	1216.4
177.5°	1228.8	1228.1	1225.1	1222.1	1225.1	1228.1	1228.8	1224.6	1219.2	1216.4	1217.7
180°	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2084.3	2084.3	2084.3	2084.3	2084.3
2.5°	2058.7	2068.5	2074.4	2082.3	2102.1
5°	1979.8	2017.3	2029.1	2058.7	2094.2
7.5°	1806.3	1920.6	1952.2	2023.2	2078.4
10°	1638.6	1753.0	1808.2	1975.8	2058.7
12.5°	1553.8	1620.9	1658.4	1893.0	2031.1
15°	1500.6	1547.9	1575.5	1782.6	1999.5
17.5°	1459.2	1492.7	1512.4	1674.1	1956.1
20°	1433.5	1449.3	1467.1	1595.2	1906.8
22.5°	1415.8	1405.9	1419.7	1540.0	1839.8
25°	1404.0	1366.5	1382.3	1496.6	1760.9
27.5°	1413.8	1331.0	1336.9	1457.2	1678.1
30°	1415.8	1287.6	1289.6	1415.8	1585.4
32.5°	1402.0	1242.3	1244.2	1364.5	1480.9
35°	1368.5	1189.0	1187.0	1305.4	1338.9
37.5°	1323.1	1131.9	1131.9	1240.3	1183.1
40°	1267.9	1074.7	1080.7	1155.6	1045.2
42.5°	1200.8	1013.6	1021.5	1043.2	942.6
45°	1128.0	954.4	960.4	881.5	863.7
47.5°	1047.1	893.3	895.3	731.6	838.1
50°	950.5	830.2	822.3	627.1	836.1
52.5°	865.7	761.2	737.5	567.9	759.2
55°	782.9	688.2	637.0	522.6	704.0
57.5°	709.9	593.6	544.3	469.3	692.2
60°	642.9	500.9	463.4	412.1	635.0
62.5°	587.7	431.9	424.0	372.7	575.8
65°	528.5	384.5	382.6	339.2	489.1
67.5°	471.3	353.0	351.0	307.6	372.7
70°	410.2	319.5	315.5	274.1	276.1
72.5°	347.1	282.0	278.1	246.5	228.8
75°	284.0	238.6	236.6	214.9	185.4
77.5°	222.8	189.3	193.3	173.5	136.1
80°	159.7	138.0	142.0	124.2	102.5
82.5°	106.5	90.7	94.7	78.9	69.0
85°	59.2	51.3	53.2	41.4	31.6
87.5°	27.6	23.7	23.7	15.8	9.9
90°	36.1	23.0	21.3	14.8	8.2
92.5°	222.5	158.4	144.4	88.6	32.8
95°	547.6	308.4	282.9	180.8	78.8
97.5°	737.7	338.8	316.3	226.2	136.2
100°	806.8	364.2	343.8	262.1	180.4
102.5°	838.5	389.6	370.5	294.3	218.2
105°	862.1	427.3	411.2	346.7	282.2
107.5°	866.5	483.1	468.1	407.9	347.8
110°	859.9	514.3	500.7	446.4	392.0



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CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	860.2	552.1	539.1	487.3	435.5
115°	868.1	608.7	596.7	548.9	501.2
117.5°	884.2	663.6	652.7	609.3	566.0
120°	897.4	695.5	685.4	644.5	603.7
122.5°	916.2	733.3	723.0	681.8	640.6
125°	941.6	781.7	772.3	734.8	697.2
127.5°	967.1	828.4	819.0	781.0	743.1
130°	985.6	859.6	849.3	808.5	767.7
132.5°	1000.7	885.0	874.8	834.0	793.1
135°	1017.2	914.6	905.3	868.1	830.9
137.5°	1041.7	952.3	943.1	906.2	869.5
140°	1056.7	977.7	969.2	935.3	901.4
142.5°	1069.3	996.6	988.8	957.4	926.1
145°	1085.8	1025.3	1018.5	991.1	963.8
147.5°	1109.8	1061.4	1054.7	1028.1	1001.5
150°	1122.4	1080.3	1074.2	1050.2	1026.1
152.5°	1130.5	1092.6	1088.1	1069.8	1051.6
155°	1148.6	1119.6	1116.3	1102.7	1089.2
157.5°	1166.6	1146.7	1143.5	1130.3	1117.1
160°	1174.9	1159.0	1156.5	1146.3	1136.1
162.5°	1183.6	1172.2	1170.3	1162.6	1154.9
165°	1196.2	1191.0	1189.2	1182.3	1175.4
167.5°	1206.0	1201.6	1200.8	1197.5	1194.2
170°	1214.3	1214.0	1213.2	1209.8	1206.6
172.5°	1214.8	1214.8	1214.6	1213.9	1213.2
175°	1219.7	1222.1	1222.1	1222.1	1222.1
177.5°	1220.3	1222.1	1222.1	1222.1	1222.1
180°	1222.1	1222.1	1222.1	1222.1	1222.1



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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	11.75	12.53	12.79	13.58	14.98	14.59	15.37	15.62	16.41	17.81
	3H	12.22	12.92	13.27	13.97	15.39	15.93	16.63	16.98	17.68	19.10
	4H	12.41	13.07	13.47	14.13	15.55	16.37	17.04	17.43	18.09	19.52
	6H	12.52	13.14	13.59	14.19	15.63	16.66	17.27	17.72	18.32	19.76
	8H	12.52	13.11	13.59	14.18	15.61	16.73	17.31	17.80	18.38	19.82
	12H	12.49	13.04	13.57	14.11	15.57	16.77	17.32	17.84	18.39	19.84
4H	2H	12.78	13.44	13.84	14.49	15.92	14.99	15.65	16.05	16.70	18.13
	3H	13.80	14.35	14.87	15.43	16.87	16.49	17.04	17.56	18.12	19.56
	4H	14.07	14.58	15.15	15.65	17.11	17.02	17.52	18.09	18.59	20.05
	6H	14.19	14.62	15.27	15.72	17.17	17.38	17.81	18.46	18.91	20.36
	8H	14.19	14.60	15.28	15.69	17.16	17.48	17.89	18.57	18.98	20.45
	12H	14.16	14.52	15.26	15.62	17.10	17.54	17.91	18.64	19.01	20.48
8H	4H	14.52	14.92	15.60	16.01	17.48	17.13	17.54	18.22	18.63	20.10
	6H	14.78	15.11	15.88	16.24	17.71	17.57	17.90	18.68	19.03	20.50
	8H	14.82	15.11	15.93	16.22	17.71	17.72	18.02	18.84	19.13	20.61
	12H	14.80	15.06	15.92	16.16	17.69	17.82	18.08	18.94	19.18	20.71
12H	4H	14.52	14.89	15.62	15.99	17.46	17.09	17.46	18.20	18.56	20.04
	6H	14.84	15.13	15.95	16.24	17.73	17.57	17.86	18.68	18.97	20.46
	8H	14.90	15.16	16.02	16.26	17.79	17.72	17.98	18.84	19.09	20.61