

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: P935204

Luminaire Tested: SQ4-FA-100U-075D-B40-1D-UNV-STD-W-8

Issue Date: 12/17/2024

**Test Information**

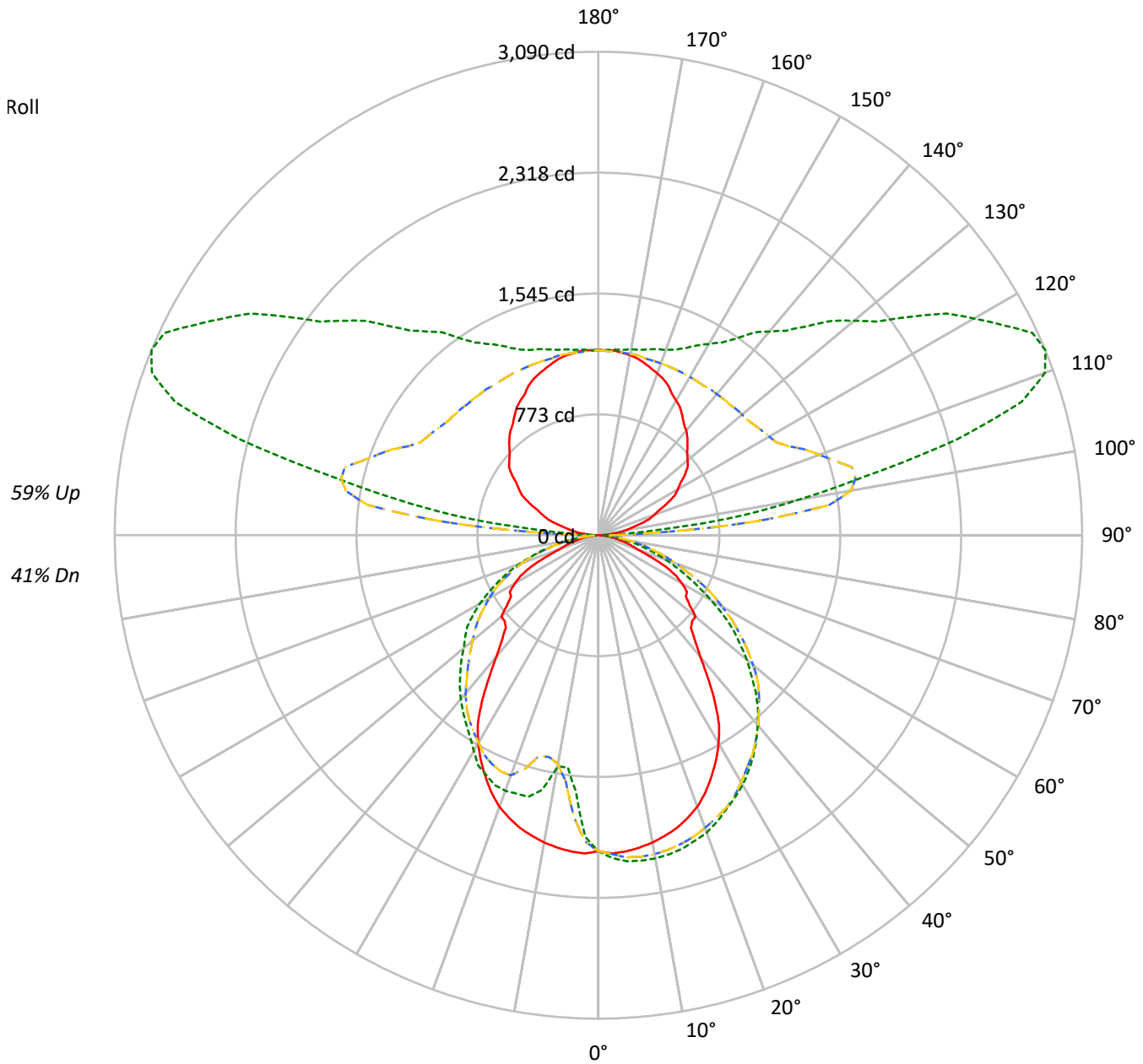
Test Method: LM-79-2019  
Report Number: P935204  
REPORT IS A COMBINATION OF REPORTS P933744 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-075D-B40-1D-UNV-STD-W-8  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12912.6 lumens  
Efficiency: N/A  
Efficacy: 131.2 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



— 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	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°	9366	9366	9366	9366
5°	9436	9455	9436	7434
10°	9373	9314	9373	6659
15°	9271	9112	9271	7609
20°	9078	8873	9078	7624
25°	8680	8524	8680	7463
30°	8167	8235	8167	7108
35°	7281	7868	7281	6718
40°	6067	7437	6067	6424
45°	5422	6933	5422	6085
50°	5759	6331	5759	5745
55°	5419	5683	5419	5549
60°	5586	4827	5586	5082
65°	5065	3990	5065	4460
70°	3507	3180	3507	3739
75°	3074	2351	3074	2815
80°	2478	1554	2478	1692
85°	1425	823	1425	699

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 8309 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	182.2	1.4
10°-20°	517.4	4.0
20°-30°	799.8	6.2
30°-40°	954.8	7.4
40°-50°	960.4	7.4
50°-60°	835.7	6.5
60°-70°	592.5	4.6
70°-80°	313.5	2.4
80°-90°	82.6	0.6
90°-100°	577.0	4.5
100°-110°	1517.0	11.7
110°-120°	1573.0	12.2
120°-130°	1261.7	9.8
130°-140°	990.0	7.7
140°-150°	759.9	5.9
150°-160°	547.2	4.2
160°-170°	334.8	2.6
170°-180°	113.1	0.9
0°-30°	1499.4	11.6
0°-40°	2454.2	19.0
0°-60°	4250.3	32.9
0°-90°	5238.9	40.6
90°-120°	3667.0	28.4
90°-150°	6678.5	51.7
90°-180°	7674.0	59.4
0°-180°	12912.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2019	2019	2019	2019	2019	
5°	2028	2091	2028	1644	2028	192
15°	1937	2072	1937	1730	1937	545
25°	1706	1933	1706	1692	1706	783
35°	1297	1725	1297	1472	1297	802
45°	837	1421	837	1247	837	670
55°	682	1049	682	1024	682	627
65°	474	632	474	707	474	453
75°	180	300	180	359	180	189
85°	31	76	31	65	31	41
90°	8	30	8	30	8	8
95°	76	349	76	349	76	85
105°	273	2375	273	2375	273	290
115°	485	3059	485	3059	485	479
125°	675	2436	675	2436	675	600
135°	805	1890	805	1890	805	623
145°	934	1533	934	1533	934	585
155°	1055	1320	1055	1320	1055	485
165°	1138	1230	1138	1230	1138	321
175°	1184	1192	1184	1192	1184	112
180°	1184	1184	1184	1184	1184	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8
2.5°	2036.0	2036.0	2047.4	2051.2	2051.2	2045.5	2039.8	2045.5	2062.7	2068.4	2066.5
5°	2028.3	2043.6	2064.6	2068.4	2072.3	2070.3	2066.5	2070.3	2089.4	2093.3	2095.2
7.5°	2013.0	2041.7	2068.4	2074.2	2079.9	2074.2	2072.3	2076.1	2095.2	2099.0	2099.0
10°	1993.9	2034.1	2064.6	2068.4	2074.2	2068.4	2068.4	2076.1	2095.2	2099.0	2100.9
12.5°	1967.2	2022.6	2051.2	2055.1	2062.7	2060.8	2058.9	2066.5	2085.6	2089.4	2089.4
15°	1936.6	2001.6	2028.3	2032.1	2045.5	2041.7	2041.7	2049.3	2070.3	2076.1	2074.2
17.5°	1894.6	1974.8	2005.4	2011.1	2020.7	2018.8	2020.7	2028.3	2047.4	2051.2	2053.2
20°	1846.9	1938.6	1974.8	1980.6	1990.1	1990.1	1990.1	1999.7	2018.8	2026.4	2026.4
22.5°	1781.9	1900.4	1938.6	1942.4	1953.8	1953.8	1957.7	1971.0	1988.2	1990.1	1990.1
25°	1705.5	1858.3	1890.8	1902.3	1913.7	1919.5	1925.2	1932.8	1938.6	1936.6	1938.6
27.5°	1625.3	1804.9	1846.9	1854.5	1869.8	1875.5	1883.2	1885.1	1887.0	1892.7	1888.9
30°	1535.5	1730.4	1793.4	1801.0	1825.9	1829.7	1822.0	1825.9	1835.4	1839.2	1843.1
32.5°	1434.3	1619.6	1738.0	1755.2	1778.1	1766.7	1764.7	1770.5	1785.8	1785.8	1789.6
35°	1296.8	1533.6	1686.4	1701.7	1718.9	1705.5	1713.2	1715.1	1724.6	1730.4	1728.5
37.5°	1145.9	1459.1	1633.0	1644.4	1657.8	1640.6	1652.1	1657.8	1665.4	1661.6	1661.6
40°	1012.3	1342.6	1569.9	1577.6	1589.0	1575.7	1587.1	1590.9	1594.8	1590.9	1589.0
42.5°	913.0	1214.7	1503.1	1512.6	1505.0	1514.5	1518.4	1526.0	1520.3	1512.6	1512.6
45°	836.6	1180.3	1430.5	1442.0	1430.5	1445.8	1451.5	1451.5	1434.3	1430.5	1428.6
47.5°	811.8	1111.6	1357.9	1357.9	1352.2	1371.3	1380.8	1367.5	1350.3	1344.5	1344.5
50°	809.8	1035.2	1258.6	1251.0	1277.7	1300.6	1291.1	1277.7	1264.3	1243.3	1243.3
52.5°	735.4	941.6	1130.7	1159.3	1201.3	1214.7	1199.4	1186.0	1163.1	1153.5	1145.9
55°	681.9	844.2	1014.2	1071.5	1115.4	1132.6	1104.0	1090.6	1056.2	1050.5	1046.7
57.5°	670.4	702.9	907.2	979.8	1033.3	1031.4	1014.2	989.4	960.7	955.0	953.1
60°	615.0	508.1	792.6	878.6	934.0	928.3	913.0	890.1	863.3	859.5	855.7
62.5°	557.7	368.6	662.8	760.2	838.5	836.6	823.2	788.8	769.7	760.2	752.5
65°	473.7	309.4	471.8	632.2	744.9	748.7	720.1	695.2	674.2	662.8	660.9
67.5°	361.0	252.1	319.0	527.2	655.1	651.3	615.0	603.6	576.8	571.1	559.6
70°	267.4	168.1	221.6	427.8	567.3	557.7	529.1	515.7	490.9	477.5	469.9
72.5°	221.6	135.6	162.4	332.3	477.5	466.0	441.2	425.9	404.9	393.5	385.8
75°	179.5	143.2	124.2	246.4	387.7	380.1	357.2	341.9	324.7	309.4	311.3
77.5°	131.8	133.7	99.3	181.4	307.5	296.0	282.7	263.6	255.9	240.7	240.7
80°	99.3	105.0	74.5	124.2	221.6	221.6	210.1	196.7	183.4	175.7	175.7
82.5°	66.8	66.8	55.4	78.3	150.9	145.2	137.5	133.7	126.1	122.2	122.2
85°	30.6	38.2	34.4	47.8	82.1	86.0	86.0	82.1	80.2	76.4	78.3
87.5°	9.5	17.2	21.0	26.7	42.0	43.9	45.8	45.8	45.8	47.8	47.8
90°	7.9	14.3	20.6	22.3	35.0	51.9	60.4	53.7	40.2	30.2	30.2
92.5°	31.8	85.9	139.9	153.4	215.5	298.5	340.0	298.0	214.0	151.0	145.0
95°	76.3	175.1	274.0	298.7	530.4	839.3	993.9	886.9	672.9	512.5	494.3
97.5°	131.9	219.1	306.4	328.1	714.5	1229.7	1487.2	1419.6	1284.4	1183.0	1148.4
100°	174.8	253.8	333.0	352.8	781.5	1353.1	1639.0	1643.9	1653.8	1661.2	1620.0
102.5°	211.3	285.1	358.9	377.3	812.1	1391.9	1681.9	1768.0	1940.4	2069.6	2034.2
105°	273.3	335.8	398.2	413.9	835.0	1396.4	1677.1	1870.2	2256.5	2546.2	2527.2
107.5°	336.8	395.1	453.3	468.0	839.3	1334.2	1581.8	1851.2	2390.0	2794.0	2798.6
110°	379.7	432.3	484.9	498.1	832.9	1279.1	1502.3	1803.5	2405.8	2857.6	2877.4



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	421.8	472.0	522.2	534.7	833.1	1231.1	1430.0	1738.3	2354.7	2817.2	2847.5
115°	485.4	531.6	578.0	589.5	840.8	1175.9	1343.4	1640.4	2234.3	2679.7	2721.8
117.5°	548.2	590.2	632.2	642.7	856.4	1141.3	1283.8	1551.8	2087.8	2489.8	2536.5
120°	584.7	624.3	663.8	673.7	869.1	1129.8	1260.0	1504.9	1994.6	2361.9	2407.3
122.5°	620.5	660.4	700.3	710.2	887.4	1123.6	1241.7	1462.2	1903.2	2234.0	2278.8
125°	675.3	711.7	748.1	757.1	912.0	1118.6	1221.8	1409.2	1783.8	2064.8	2106.1
127.5°	719.8	756.5	793.2	802.4	936.7	1115.7	1205.2	1366.0	1687.7	1928.9	1963.7
130°	743.6	783.1	822.6	832.6	954.6	1117.4	1198.8	1342.0	1628.4	1843.2	1875.2
132.5°	768.2	807.7	847.3	857.2	969.2	1118.6	1193.3	1321.4	1577.8	1770.0	1798.7
135°	804.8	840.8	876.9	885.9	985.2	1117.5	1183.7	1291.1	1505.7	1666.8	1691.6
137.5°	842.1	877.7	913.5	922.3	1009.0	1124.4	1182.1	1272.8	1454.4	1590.5	1610.8
140°	873.1	905.9	938.8	947.0	1023.5	1125.6	1176.6	1255.0	1411.8	1529.3	1548.3
142.5°	896.9	927.3	957.7	965.2	1035.7	1129.6	1176.6	1245.4	1383.1	1486.5	1502.8
145°	933.5	960.0	986.5	993.1	1051.6	1129.7	1168.6	1225.0	1337.6	1422.1	1434.4
147.5°	970.0	995.8	1021.6	1028.1	1074.9	1137.4	1168.6	1212.9	1301.6	1368.0	1378.3
150°	993.9	1017.2	1040.5	1046.3	1087.1	1141.4	1168.6	1206.1	1280.9	1337.1	1345.4
152.5°	1018.5	1036.2	1053.8	1058.2	1095.0	1144.1	1168.6	1200.6	1264.5	1312.5	1318.8
155°	1055.0	1068.1	1081.2	1084.4	1112.5	1149.9	1168.6	1194.0	1244.9	1283.0	1287.1
157.5°	1082.0	1094.7	1107.5	1110.7	1130.0	1155.7	1168.6	1188.4	1227.9	1257.6	1260.5
160°	1100.4	1110.3	1120.1	1122.6	1138.0	1158.4	1168.6	1185.6	1219.5	1244.9	1246.7
162.5°	1118.6	1126.0	1133.5	1135.3	1146.4	1161.2	1168.6	1183.0	1211.5	1233.0	1234.6
165°	1138.5	1145.1	1151.8	1153.5	1158.6	1165.3	1168.6	1178.9	1199.4	1214.8	1216.5
167.5°	1156.7	1159.8	1163.1	1163.9	1168.1	1173.7	1176.6	1183.2	1196.7	1206.7	1207.4
170°	1168.6	1171.8	1175.0	1175.8	1176.1	1176.4	1176.6	1183.2	1196.7	1206.7	1206.7
172.5°	1175.0	1175.7	1176.4	1176.6	1176.6	1176.6	1176.6	1181.9	1192.5	1200.4	1199.9
175°	1183.7	1183.7	1183.7	1183.7	1181.3	1178.2	1176.6	1179.9	1186.6	1191.6	1191.6
177.5°	1183.7	1183.7	1183.7	1183.7	1181.9	1179.4	1178.2	1180.9	1186.1	1190.1	1189.5
180°	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8
2.5°	2070.3	2064.6	2070.3	2066.5	2068.4	2062.7	2045.5	2039.8	2045.5	2051.2	2051.2
5°	2095.2	2091.4	2095.2	2095.2	2093.3	2089.4	2070.3	2066.5	2070.3	2072.3	2068.4
7.5°	2102.8	2097.1	2102.8	2099.0	2099.0	2095.2	2076.1	2072.3	2074.2	2079.9	2074.2
10°	2102.8	2097.1	2102.8	2100.9	2099.0	2095.2	2076.1	2068.4	2068.4	2074.2	2068.4
12.5°	2093.3	2089.4	2093.3	2089.4	2089.4	2085.6	2066.5	2058.9	2060.8	2062.7	2055.1
15°	2078.0	2072.3	2078.0	2074.2	2076.1	2070.3	2049.3	2041.7	2041.7	2045.5	2032.1
17.5°	2055.1	2047.4	2055.1	2053.2	2051.2	2047.4	2028.3	2020.7	2018.8	2020.7	2011.1
20°	2028.3	2022.6	2028.3	2026.4	2026.4	2018.8	1999.7	1990.1	1990.1	1990.1	1980.6
22.5°	1986.3	1980.6	1986.3	1990.1	1990.1	1988.2	1971.0	1957.7	1953.8	1953.8	1942.4
25°	1938.6	1932.8	1938.6	1938.6	1936.6	1938.6	1932.8	1925.2	1919.5	1913.7	1902.3
27.5°	1892.7	1888.9	1892.7	1888.9	1892.7	1887.0	1885.1	1883.2	1875.5	1869.8	1854.5
30°	1846.9	1843.1	1846.9	1843.1	1839.2	1835.4	1825.9	1822.0	1829.7	1825.9	1801.0
32.5°	1789.6	1785.8	1789.6	1789.6	1785.8	1785.8	1770.5	1764.7	1766.7	1778.1	1755.2
35°	1730.4	1724.6	1730.4	1728.5	1730.4	1724.6	1715.1	1713.2	1705.5	1718.9	1701.7
37.5°	1661.6	1655.9	1661.6	1661.6	1661.6	1665.4	1657.8	1652.1	1640.6	1657.8	1644.4
40°	1590.9	1583.3	1590.9	1589.0	1590.9	1594.8	1590.9	1587.1	1575.7	1589.0	1577.6
42.5°	1510.7	1508.8	1510.7	1512.6	1512.6	1520.3	1526.0	1518.4	1514.5	1505.0	1512.6
45°	1424.8	1420.9	1424.8	1428.6	1430.5	1434.3	1451.5	1451.5	1445.8	1430.5	1442.0
47.5°	1333.1	1323.5	1333.1	1344.5	1344.5	1350.3	1367.5	1380.8	1371.3	1352.2	1357.9
50°	1235.7	1237.6	1235.7	1243.3	1243.3	1264.3	1277.7	1291.1	1300.6	1277.7	1251.0
52.5°	1140.2	1138.4	1140.2	1145.9	1153.5	1163.1	1186.0	1199.4	1214.7	1201.3	1159.3
55°	1044.8	1048.6	1044.8	1046.7	1050.5	1056.2	1090.6	1104.0	1132.6	1115.4	1071.5
57.5°	949.3	943.5	949.3	953.1	955.0	960.7	989.4	1014.2	1031.4	1033.3	979.8
60°	838.5	830.8	838.5	855.7	859.5	863.3	890.1	913.0	928.3	934.0	878.6
62.5°	741.1	727.7	741.1	752.5	760.2	769.7	788.8	823.2	836.6	838.5	760.2
65°	637.9	632.2	637.9	660.9	662.8	674.2	695.2	720.1	748.7	744.9	632.2
67.5°	544.4	544.4	544.4	559.6	571.1	576.8	603.6	615.0	651.3	655.1	527.2
70°	458.4	456.5	458.4	469.9	477.5	490.9	515.7	529.1	557.7	567.3	427.8
72.5°	376.3	374.4	376.3	385.8	393.5	404.9	425.9	441.2	466.0	477.5	332.3
75°	303.7	299.9	303.7	311.3	309.4	324.7	341.9	357.2	380.1	387.7	246.4
77.5°	233.0	233.0	233.0	240.7	240.7	255.9	263.6	282.7	296.0	307.5	181.4
80°	173.8	171.9	173.8	175.7	175.7	183.4	196.7	210.1	221.6	221.6	124.2
82.5°	122.2	118.4	122.2	122.2	122.2	126.1	133.7	137.5	145.2	150.9	78.3
85°	76.4	76.4	76.4	78.3	76.4	80.2	82.1	86.0	86.0	82.1	47.8
87.5°	49.7	47.8	49.7	47.8	47.8	45.8	45.8	45.8	43.9	42.0	26.7
90°	30.2	30.2	30.2	30.2	30.2	40.2	53.7	60.4	51.9	35.0	22.3
92.5°	121.0	96.9	121.0	145.0	151.0	214.0	298.0	340.0	298.5	215.5	153.4
95°	421.5	348.8	421.5	494.3	512.5	672.9	886.9	993.9	839.3	530.4	298.7
97.5°	1009.9	871.5	1009.9	1148.4	1183.0	1284.4	1419.6	1487.2	1229.7	714.5	328.1
100°	1455.1	1290.2	1455.1	1620.0	1661.2	1653.8	1643.9	1639.0	1353.1	781.5	352.8
102.5°	1893.0	1751.8	1893.0	2034.2	2069.6	1940.4	1768.0	1681.9	1391.9	812.1	377.3
105°	2451.3	2375.4	2451.3	2527.2	2546.2	2256.5	1870.2	1677.1	1396.4	835.0	413.9
107.5°	2817.1	2835.4	2817.1	2798.6	2794.0	2390.0	1851.2	1581.8	1334.2	839.3	468.0
110°	2956.5	3035.6	2956.5	2877.4	2857.6	2405.8	1803.5	1502.3	1279.1	832.9	498.1





TEST NUMBER: P935204

CATALOG NUMBER: SQ4-FA-100U-075D-B40-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2968.9	3090.4	2968.9	2847.5	2817.2	2354.7	1738.3	1430.0	1231.1	833.1	534.7
115°	2890.2	3058.7	2890.2	2721.8	2679.7	2234.3	1640.4	1343.4	1175.9	840.8	589.5
117.5°	2723.3	2910.1	2723.3	2536.5	2489.8	2087.8	1551.8	1283.8	1141.3	856.4	642.7
120°	2588.8	2770.3	2588.8	2407.3	2361.9	1994.6	1504.9	1260.0	1129.8	869.1	673.7
122.5°	2457.8	2636.8	2457.8	2278.8	2234.0	1903.2	1462.2	1241.7	1123.6	887.4	710.2
125°	2270.9	2435.8	2270.9	2106.1	2064.8	1783.8	1409.2	1221.8	1118.6	912.0	757.1
127.5°	2102.8	2242.0	2102.8	1963.7	1928.9	1687.7	1366.0	1205.2	1115.7	936.7	802.4
130°	2003.8	2132.3	2003.8	1875.2	1843.2	1628.4	1342.0	1198.8	1117.4	954.6	832.6
132.5°	1913.9	2029.0	1913.9	1798.7	1770.0	1577.8	1321.4	1193.3	1118.6	969.2	857.2
135°	1790.8	1890.0	1790.8	1691.6	1666.8	1505.7	1291.1	1183.7	1117.5	985.2	885.9
137.5°	1692.0	1773.2	1692.0	1610.8	1590.5	1454.4	1272.8	1182.1	1124.4	1009.0	922.3
140°	1624.2	1700.1	1624.2	1548.3	1529.3	1411.8	1255.0	1176.6	1125.6	1023.5	947.0
142.5°	1568.1	1633.4	1568.1	1502.8	1486.5	1383.1	1245.4	1176.6	1129.6	1035.7	965.2
145°	1483.9	1533.3	1483.9	1434.4	1422.1	1337.6	1225.0	1168.6	1129.7	1051.6	993.1
147.5°	1419.2	1460.2	1419.2	1378.3	1368.0	1301.6	1212.9	1168.6	1137.4	1074.9	1028.1
150°	1378.5	1411.8	1378.5	1345.4	1337.1	1280.9	1206.1	1168.6	1141.4	1087.1	1046.3
152.5°	1343.8	1368.8	1343.8	1318.8	1312.5	1264.5	1200.6	1168.6	1144.1	1095.0	1058.2
155°	1303.8	1320.4	1303.8	1287.1	1283.0	1244.9	1194.0	1168.6	1149.9	1112.5	1084.4
157.5°	1272.2	1283.8	1272.2	1260.5	1257.6	1227.9	1188.4	1168.6	1155.7	1130.0	1110.7
160°	1253.3	1260.0	1253.3	1246.7	1244.9	1219.5	1185.6	1168.6	1158.4	1138.0	1122.6
162.5°	1240.9	1247.3	1240.9	1234.6	1233.0	1211.5	1183.0	1168.6	1161.2	1146.4	1135.3
165°	1223.2	1229.8	1223.2	1216.5	1214.8	1199.4	1178.9	1168.6	1165.3	1158.6	1153.5
167.5°	1210.3	1213.1	1210.3	1207.4	1206.7	1196.7	1183.2	1176.6	1173.7	1168.1	1163.9
170°	1206.7	1206.7	1206.7	1206.7	1206.7	1196.7	1183.2	1176.6	1176.4	1176.1	1175.8
172.5°	1197.4	1194.9	1197.4	1199.9	1200.4	1192.5	1181.9	1176.6	1176.6	1176.6	1176.6
175°	1191.6	1191.6	1191.6	1191.6	1191.6	1186.6	1179.9	1176.6	1178.2	1181.3	1183.7
177.5°	1186.6	1183.7	1186.6	1189.5	1190.1	1186.1	1180.9	1178.2	1179.4	1181.9	1183.7
180°	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7



TEST NUMBER: P935204

CATALOG NUMBER: SQ4-FA-100U-075D-B40-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8
2.5°	2047.4	2036.0	2036.0	2016.9	2009.2	2003.5	1993.9	1965.3	1957.7	1950.0	1961.5
5°	2064.6	2043.6	2028.3	1993.9	1965.3	1953.8	1917.5	1848.8	1802.9	1768.6	1749.5
7.5°	2068.4	2041.7	2013.0	1959.6	1890.8	1860.2	1749.5	1623.4	1589.0	1558.5	1539.4
10°	2064.6	2034.1	1993.9	1913.7	1751.4	1697.9	1587.1	1505.0	1484.0	1478.2	1484.0
12.5°	2051.2	2022.6	1967.2	1833.5	1606.2	1569.9	1505.0	1457.2	1453.4	1463.0	1514.5
15°	2028.3	2001.6	1936.6	1726.5	1526.0	1499.3	1453.4	1436.2	1457.2	1524.1	1678.8
17.5°	2005.4	1974.8	1894.6	1621.5	1464.9	1445.8	1413.3	1447.7	1566.1	1655.9	1707.4
20°	1974.8	1938.6	1846.9	1545.1	1420.9	1403.8	1388.5	1543.2	1633.0	1665.4	1694.1
22.5°	1938.6	1900.4	1781.9	1491.6	1375.1	1361.7	1371.3	1596.7	1633.0	1655.9	1680.7
25°	1890.8	1858.3	1705.5	1449.6	1338.8	1323.5	1359.8	1590.9	1611.9	1617.7	1667.3
27.5°	1846.9	1804.9	1625.3	1411.4	1294.9	1289.2	1369.4	1566.1	1581.4	1587.1	1640.6
30°	1793.4	1730.4	1535.5	1371.3	1249.0	1247.1	1371.3	1535.5	1531.7	1547.0	1600.5
32.5°	1738.0	1619.6	1434.3	1321.6	1205.1	1203.2	1357.9	1489.7	1485.9	1506.9	1547.0
35°	1686.4	1533.6	1296.8	1264.3	1149.7	1151.6	1325.4	1436.2	1438.1	1457.2	1482.1
37.5°	1633.0	1459.1	1145.9	1201.3	1096.3	1096.3	1281.5	1386.6	1382.7	1388.5	1422.9
40°	1569.9	1342.6	1012.3	1119.3	1046.7	1041.0	1228.0	1333.1	1319.7	1317.8	1365.6
42.5°	1503.1	1214.7	913.0	1010.4	989.4	981.7	1163.1	1268.1	1243.3	1249.0	1310.2
45°	1430.5	1180.3	836.6	853.8	930.2	924.4	1092.5	1193.7	1176.5	1191.7	1254.8
47.5°	1357.9	1111.6	811.8	708.6	867.1	865.2	1014.2	1121.2	1111.6	1126.9	1193.7
50°	1258.6	1035.2	809.8	607.4	796.5	804.1	920.6	1050.5	1050.5	1063.9	1134.5
52.5°	1130.7	941.6	735.4	550.1	714.3	737.3	838.5	989.4	993.2	1006.6	1069.6
55°	1014.2	844.2	681.9	506.2	616.9	666.6	758.3	926.4	934.0	947.4	1004.7
57.5°	907.2	702.9	670.4	454.6	527.2	574.9	687.6	865.2	869.0	880.5	935.9
60°	792.6	508.1	615.0	399.2	448.8	485.1	622.7	792.6	806.0	813.7	861.4
62.5°	662.8	368.6	557.7	361.0	410.6	418.3	569.2	723.9	741.1	746.8	775.5
65°	471.8	309.4	473.7	328.5	370.5	372.4	511.9	653.2	668.5	678.0	699.1
67.5°	319.0	252.1	361.0	298.0	340.0	341.9	456.5	571.1	592.1	599.7	613.1
70°	221.6	168.1	267.4	265.5	305.6	309.4	397.3	496.6	515.7	521.4	529.1
72.5°	162.4	135.6	221.6	238.8	269.3	273.1	336.2	412.6	431.7	437.4	441.2
75°	124.2	143.2	179.5	208.2	229.2	231.1	275.0	336.2	349.5	353.3	355.3
77.5°	99.3	133.7	131.8	168.1	187.2	183.4	215.8	259.8	271.2	271.2	271.2
80°	74.5	105.0	99.3	120.3	137.5	133.7	154.7	185.3	189.1	192.9	191.0
82.5°	55.4	66.8	66.8	76.4	91.7	87.9	103.1	120.3	120.3	120.3	124.2
85°	34.4	38.2	30.6	40.1	51.6	49.7	57.3	64.9	66.8	66.8	63.0
87.5°	21.0	17.2	9.5	15.3	22.9	22.9	26.7	28.6	26.7	26.7	26.7
90°	20.6	14.3	7.9	14.3	20.6	22.3	35.0	51.9	60.4	53.7	40.2
92.5°	139.9	85.9	31.8	85.9	139.9	153.4	215.5	298.5	340.0	298.0	214.0
95°	274.0	175.1	76.3	175.1	274.0	298.7	530.4	839.3	993.9	886.9	672.9
97.5°	306.4	219.1	131.9	219.1	306.4	328.1	714.5	1229.7	1487.2	1419.6	1284.4
100°	333.0	253.8	174.8	253.8	333.0	352.8	781.5	1353.1	1639.0	1643.9	1653.8
102.5°	358.9	285.1	211.3	285.1	358.9	377.3	812.1	1391.9	1681.9	1768.0	1940.4
105°	398.2	335.8	273.3	335.8	398.2	413.9	835.0	1396.4	1677.1	1870.2	2256.5
107.5°	453.3	395.1	336.8	395.1	453.3	468.0	839.3	1334.2	1581.8	1851.2	2390.0
110°	484.9	432.3	379.7	432.3	484.9	498.1	832.9	1279.1	1502.3	1803.5	2405.8



TEST NUMBER: P935204

CATALOG NUMBER: SQ4-FA-100U-075D-B40-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	522.2	472.0	421.8	472.0	522.2	534.7	833.1	1231.1	1430.0	1738.3	2354.7
115°	578.0	531.6	485.4	531.6	578.0	589.5	840.8	1175.9	1343.4	1640.4	2234.3
117.5°	632.2	590.2	548.2	590.2	632.2	642.7	856.4	1141.3	1283.8	1551.8	2087.8
120°	663.8	624.3	584.7	624.3	663.8	673.7	869.1	1129.8	1260.0	1504.9	1994.6
122.5°	700.3	660.4	620.5	660.4	700.3	710.2	887.4	1123.6	1241.7	1462.2	1903.2
125°	748.1	711.7	675.3	711.7	748.1	757.1	912.0	1118.6	1221.8	1409.2	1783.8
127.5°	793.2	756.5	719.8	756.5	793.2	802.4	936.7	1115.7	1205.2	1366.0	1687.7
130°	822.6	783.1	743.6	783.1	822.6	832.6	954.6	1117.4	1198.8	1342.0	1628.4
132.5°	847.3	807.7	768.2	807.7	847.3	857.2	969.2	1118.6	1193.3	1321.4	1577.8
135°	876.9	840.8	804.8	840.8	876.9	885.9	985.2	1117.5	1183.7	1291.1	1505.7
137.5°	913.5	877.7	842.1	877.7	913.5	922.3	1009.0	1124.4	1182.1	1272.8	1454.4
140°	938.8	905.9	873.1	905.9	938.8	947.0	1023.5	1125.6	1176.6	1255.0	1411.8
142.5°	957.7	927.3	896.9	927.3	957.7	965.2	1035.7	1129.6	1176.6	1245.4	1383.1
145°	986.5	960.0	933.5	960.0	986.5	993.1	1051.6	1129.7	1168.6	1225.0	1337.6
147.5°	1021.6	995.8	970.0	995.8	1021.6	1028.1	1074.9	1137.4	1168.6	1212.9	1301.6
150°	1040.5	1017.2	993.9	1017.2	1040.5	1046.3	1087.1	1141.4	1168.6	1206.1	1280.9
152.5°	1053.8	1036.2	1018.5	1036.2	1053.8	1058.2	1095.0	1144.1	1168.6	1200.6	1264.5
155°	1081.2	1068.1	1055.0	1068.1	1081.2	1084.4	1112.5	1149.9	1168.6	1194.0	1244.9
157.5°	1107.5	1094.7	1082.0	1094.7	1107.5	1110.7	1130.0	1155.7	1168.6	1188.4	1227.9
160°	1120.1	1110.3	1100.4	1110.3	1120.1	1122.6	1138.0	1158.4	1168.6	1185.6	1219.5
162.5°	1133.5	1126.0	1118.6	1126.0	1133.5	1135.3	1146.4	1161.2	1168.6	1183.0	1211.5
165°	1151.8	1145.1	1138.5	1145.1	1151.8	1153.5	1158.6	1165.3	1168.6	1178.9	1199.4
167.5°	1163.1	1159.8	1156.7	1159.8	1163.1	1163.9	1168.1	1173.7	1176.6	1183.2	1196.7
170°	1175.0	1171.8	1168.6	1171.8	1175.0	1175.8	1176.1	1176.4	1176.6	1183.2	1196.7
172.5°	1176.4	1175.7	1175.0	1175.7	1176.4	1176.6	1176.6	1176.6	1176.6	1181.9	1192.5
175°	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1181.3	1178.2	1176.6	1179.9	1186.6
177.5°	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1181.9	1179.4	1178.2	1180.9	1186.1
180°	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7



TEST NUMBER: P935204

CATALOG NUMBER: SQ4-FA-100U-075D-B40-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8
2.5°	1948.1	1942.4	1950.0	1929.0	1950.0	1942.4	1948.1	1961.5	1950.0	1957.7	1965.3
5°	1709.4	1699.8	1669.2	1644.4	1669.2	1699.8	1709.4	1749.5	1768.6	1802.9	1848.8
7.5°	1527.9	1520.3	1512.6	1497.3	1512.6	1520.3	1527.9	1539.4	1558.5	1589.0	1623.4
10°	1487.8	1489.7	1501.2	1499.3	1501.2	1489.7	1487.8	1484.0	1478.2	1484.0	1505.0
12.5°	1590.9	1608.1	1671.2	1667.3	1671.2	1608.1	1590.9	1514.5	1463.0	1453.4	1457.2
15°	1709.4	1715.1	1728.5	1730.4	1728.5	1715.1	1709.4	1678.8	1524.1	1457.2	1436.2
17.5°	1720.8	1722.7	1732.3	1732.3	1732.3	1722.7	1720.8	1707.4	1655.9	1566.1	1447.7
20°	1711.3	1715.1	1734.2	1738.0	1734.2	1715.1	1711.3	1694.1	1665.4	1633.0	1543.2
22.5°	1707.4	1715.1	1730.4	1728.5	1730.4	1715.1	1707.4	1680.7	1655.9	1633.0	1596.7
25°	1688.3	1688.3	1690.3	1692.2	1690.3	1688.3	1688.3	1667.3	1617.7	1611.9	1590.9
27.5°	1648.2	1652.1	1663.5	1661.6	1663.5	1652.1	1648.2	1640.6	1587.1	1581.4	1566.1
30°	1611.9	1608.1	1598.6	1590.9	1598.6	1608.1	1611.9	1600.5	1547.0	1531.7	1535.5
32.5°	1550.8	1541.3	1531.7	1526.0	1531.7	1541.3	1550.8	1547.0	1506.9	1485.9	1489.7
35°	1478.2	1480.2	1478.2	1472.5	1478.2	1480.2	1478.2	1482.1	1457.2	1438.1	1436.2
37.5°	1426.7	1430.5	1428.6	1420.9	1428.6	1430.5	1426.7	1422.9	1388.5	1382.7	1386.6
40°	1373.2	1375.1	1373.2	1367.5	1373.2	1375.1	1373.2	1365.6	1317.8	1319.7	1333.1
42.5°	1321.6	1319.7	1314.0	1310.2	1314.0	1319.7	1321.6	1310.2	1249.0	1243.3	1268.1
45°	1262.4	1264.3	1252.9	1247.1	1252.9	1264.3	1262.4	1254.8	1191.7	1176.5	1193.7
47.5°	1203.2	1203.2	1193.7	1187.9	1193.7	1203.2	1203.2	1193.7	1126.9	1111.6	1121.2
50°	1140.2	1138.4	1125.0	1123.1	1125.0	1138.4	1140.2	1134.5	1063.9	1050.5	1050.5
52.5°	1067.7	1067.7	1069.6	1073.4	1069.6	1067.7	1067.7	1069.6	1006.6	993.2	989.4
55°	1004.7	1006.6	1019.9	1023.8	1019.9	1006.6	1004.7	1004.7	947.4	934.0	926.4
57.5°	939.7	939.7	949.3	949.3	949.3	939.7	939.7	935.9	880.5	869.0	865.2
60°	865.2	869.0	876.7	874.8	876.7	869.0	865.2	861.4	813.7	806.0	792.6
62.5°	786.9	790.7	792.6	788.8	792.6	790.7	786.9	775.5	746.8	741.1	723.9
65°	704.8	708.6	710.5	706.7	710.5	708.6	704.8	699.1	678.0	668.5	653.2
67.5°	620.8	618.8	616.9	624.6	616.9	618.8	620.8	613.1	599.7	592.1	571.1
70°	534.8	534.8	532.9	536.7	532.9	534.8	534.8	529.1	521.4	515.7	496.6
72.5°	443.1	441.2	448.8	443.1	448.8	441.2	443.1	441.2	437.4	431.7	412.6
75°	353.3	357.2	353.3	359.1	353.3	357.2	353.3	355.3	353.3	349.5	336.2
77.5°	269.3	273.1	269.3	269.3	269.3	273.1	269.3	271.2	271.2	271.2	259.8
80°	191.0	189.1	189.1	187.2	189.1	189.1	191.0	191.0	192.9	189.1	185.3
82.5°	122.2	120.3	120.3	124.2	120.3	120.3	122.2	124.2	120.3	120.3	120.3
85°	66.8	68.8	64.9	64.9	64.9	68.8	66.8	63.0	66.8	66.8	64.9
87.5°	24.8	22.9	22.9	22.9	22.9	22.9	24.8	26.7	26.7	26.7	28.6
90°	30.2	30.2	30.2	30.2	30.2	30.2	30.2	40.2	53.7	60.4	51.9
92.5°	151.0	145.0	121.0	96.9	121.0	145.0	151.0	214.0	298.0	340.0	298.5
95°	512.5	494.3	421.5	348.8	421.5	494.3	512.5	672.9	886.9	993.9	839.3
97.5°	1183.0	1148.4	1009.9	871.5	1009.9	1148.4	1183.0	1284.4	1419.6	1487.2	1229.7
100°	1661.2	1620.0	1455.1	1290.2	1455.1	1620.0	1661.2	1653.8	1643.9	1639.0	1353.1
102.5°	2069.6	2034.2	1893.0	1751.8	1893.0	2034.2	2069.6	1940.4	1768.0	1681.9	1391.9
105°	2546.2	2527.2	2451.3	2375.4	2451.3	2527.2	2546.2	2256.5	1870.2	1677.1	1396.4
107.5°	2794.0	2798.6	2817.1	2835.4	2817.1	2798.6	2794.0	2390.0	1851.2	1581.8	1334.2
110°	2857.6	2877.4	2956.5	3035.6	2956.5	2877.4	2857.6	2405.8	1803.5	1502.3	1279.1



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2817.2	2847.5	2968.9	3090.4	2968.9	2847.5	2817.2	2354.7	1738.3	1430.0	1231.1
115°	2679.7	2721.8	2890.2	3058.7	2890.2	2721.8	2679.7	2234.3	1640.4	1343.4	1175.9
117.5°	2489.8	2536.5	2723.3	2910.1	2723.3	2536.5	2489.8	2087.8	1551.8	1283.8	1141.3
120°	2361.9	2407.3	2588.8	2770.3	2588.8	2407.3	2361.9	1994.6	1504.9	1260.0	1129.8
122.5°	2234.0	2278.8	2457.8	2636.8	2457.8	2278.8	2234.0	1903.2	1462.2	1241.7	1123.6
125°	2064.8	2106.1	2270.9	2435.8	2270.9	2106.1	2064.8	1783.8	1409.2	1221.8	1118.6
127.5°	1928.9	1963.7	2102.8	2242.0	2102.8	1963.7	1928.9	1687.7	1366.0	1205.2	1115.7
130°	1843.2	1875.2	2003.8	2132.3	2003.8	1875.2	1843.2	1628.4	1342.0	1198.8	1117.4
132.5°	1770.0	1798.7	1913.9	2029.0	1913.9	1798.7	1770.0	1577.8	1321.4	1193.3	1118.6
135°	1666.8	1691.6	1790.8	1890.0	1790.8	1691.6	1666.8	1505.7	1291.1	1183.7	1117.5
137.5°	1590.5	1610.8	1692.0	1773.2	1692.0	1610.8	1590.5	1454.4	1272.8	1182.1	1124.4
140°	1529.3	1548.3	1624.2	1700.1	1624.2	1548.3	1529.3	1411.8	1255.0	1176.6	1125.6
142.5°	1486.5	1502.8	1568.1	1633.4	1568.1	1502.8	1486.5	1383.1	1245.4	1176.6	1129.6
145°	1422.1	1434.4	1483.9	1533.3	1483.9	1434.4	1422.1	1337.6	1225.0	1168.6	1129.7
147.5°	1368.0	1378.3	1419.2	1460.2	1419.2	1378.3	1368.0	1301.6	1212.9	1168.6	1137.4
150°	1337.1	1345.4	1378.5	1411.8	1378.5	1345.4	1337.1	1280.9	1206.1	1168.6	1141.4
152.5°	1312.5	1318.8	1343.8	1368.8	1343.8	1318.8	1312.5	1264.5	1200.6	1168.6	1144.1
155°	1283.0	1287.1	1303.8	1320.4	1303.8	1287.1	1283.0	1244.9	1194.0	1168.6	1149.9
157.5°	1257.6	1260.5	1272.2	1283.8	1272.2	1260.5	1257.6	1227.9	1188.4	1168.6	1155.7
160°	1244.9	1246.7	1253.3	1260.0	1253.3	1246.7	1244.9	1219.5	1185.6	1168.6	1158.4
162.5°	1233.0	1234.6	1240.9	1247.3	1240.9	1234.6	1233.0	1211.5	1183.0	1168.6	1161.2
165°	1214.8	1216.5	1223.2	1229.8	1223.2	1216.5	1214.8	1199.4	1178.9	1168.6	1165.3
167.5°	1206.7	1207.4	1210.3	1213.1	1210.3	1207.4	1206.7	1196.7	1183.2	1176.6	1173.7
170°	1206.7	1206.7	1206.7	1206.7	1206.7	1206.7	1206.7	1196.7	1183.2	1176.6	1176.4
172.5°	1200.4	1199.9	1197.4	1194.9	1197.4	1199.9	1200.4	1192.5	1181.9	1176.6	1176.6
175°	1191.6	1191.6	1191.6	1191.6	1191.6	1191.6	1191.6	1186.6	1179.9	1176.6	1178.2
177.5°	1190.1	1189.5	1186.6	1183.7	1186.6	1189.5	1190.1	1186.1	1180.9	1178.2	1179.4
180°	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2018.8	2018.8	2018.8	2018.8	2018.8
2.5°	1993.9	2003.5	2009.2	2016.9	2036.0
5°	1917.5	1953.8	1965.3	1993.9	2028.3
7.5°	1749.5	1860.2	1890.8	1959.6	2013.0
10°	1587.1	1697.9	1751.4	1913.7	1993.9
12.5°	1505.0	1569.9	1606.2	1833.5	1967.2
15°	1453.4	1499.3	1526.0	1726.5	1936.6
17.5°	1413.3	1445.8	1464.9	1621.5	1894.6
20°	1388.5	1403.8	1420.9	1545.1	1846.9
22.5°	1371.3	1361.7	1375.1	1491.6	1781.9
25°	1359.8	1323.5	1338.8	1449.6	1705.5
27.5°	1369.4	1289.2	1294.9	1411.4	1625.3
30°	1371.3	1247.1	1249.0	1371.3	1535.5
32.5°	1357.9	1203.2	1205.1	1321.6	1434.3
35°	1325.4	1151.6	1149.7	1264.3	1296.8
37.5°	1281.5	1096.3	1096.3	1201.3	1145.9
40°	1228.0	1041.0	1046.7	1119.3	1012.3
42.5°	1163.1	981.7	989.4	1010.4	913.0
45°	1092.5	924.4	930.2	853.8	836.6
47.5°	1014.2	865.2	867.1	708.6	811.8
50°	920.6	804.1	796.5	607.4	809.8
52.5°	838.5	737.3	714.3	550.1	735.4
55°	758.3	666.6	616.9	506.2	681.9
57.5°	687.6	574.9	527.2	454.6	670.4
60°	622.7	485.1	448.8	399.2	615.0
62.5°	569.2	418.3	410.6	361.0	557.7
65°	511.9	372.4	370.5	328.5	473.7
67.5°	456.5	341.9	340.0	298.0	361.0
70°	397.3	309.4	305.6	265.5	267.4
72.5°	336.2	273.1	269.3	238.8	221.6
75°	275.0	231.1	229.2	208.2	179.5
77.5°	215.8	183.4	187.2	168.1	131.8
80°	154.7	133.7	137.5	120.3	99.3
82.5°	103.1	87.9	91.7	76.4	66.8
85°	57.3	49.7	51.6	40.1	30.6
87.5°	26.7	22.9	22.9	15.3	9.5
90°	35.0	22.3	20.6	14.3	7.9
92.5°	215.5	153.4	139.9	85.9	31.8
95°	530.4	298.7	274.0	175.1	76.3
97.5°	714.5	328.1	306.4	219.1	131.9
100°	781.5	352.8	333.0	253.8	174.8
102.5°	812.1	377.3	358.9	285.1	211.3
105°	835.0	413.9	398.2	335.8	273.3
107.5°	839.3	468.0	453.3	395.1	336.8
110°	832.9	498.1	484.9	432.3	379.7



TEST NUMBER: P935204

CATALOG NUMBER: SQ4-FA-100U-075D-B40-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	833.1	534.7	522.2	472.0	421.8
115°	840.8	589.5	578.0	531.6	485.4
117.5°	856.4	642.7	632.2	590.2	548.2
120°	869.1	673.7	663.8	624.3	584.7
122.5°	887.4	710.2	700.3	660.4	620.5
125°	912.0	757.1	748.1	711.7	675.3
127.5°	936.7	802.4	793.2	756.5	719.8
130°	954.6	832.6	822.6	783.1	743.6
132.5°	969.2	857.2	847.3	807.7	768.2
135°	985.2	885.9	876.9	840.8	804.8
137.5°	1009.0	922.3	913.5	877.7	842.1
140°	1023.5	947.0	938.8	905.9	873.1
142.5°	1035.7	965.2	957.7	927.3	896.9
145°	1051.6	993.1	986.5	960.0	933.5
147.5°	1074.9	1028.1	1021.6	995.8	970.0
150°	1087.1	1046.3	1040.5	1017.2	993.9
152.5°	1095.0	1058.2	1053.8	1036.2	1018.5
155°	1112.5	1084.4	1081.2	1068.1	1055.0
157.5°	1130.0	1110.7	1107.5	1094.7	1082.0
160°	1138.0	1122.6	1120.1	1110.3	1100.4
162.5°	1146.4	1135.3	1133.5	1126.0	1118.6
165°	1158.6	1153.5	1151.8	1145.1	1138.5
167.5°	1168.1	1163.9	1163.1	1159.8	1156.7
170°	1176.1	1175.8	1175.0	1171.8	1168.6
172.5°	1176.6	1176.6	1176.4	1175.7	1175.0
175°	1181.3	1183.7	1183.7	1183.7	1183.7
177.5°	1181.9	1183.7	1183.7	1183.7	1183.7
180°	1183.7	1183.7	1183.7	1183.7	1183.7



TEST NUMBER: P935204  
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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	11.64	12.42	12.67	13.46	14.86	14.48	15.26	15.51	16.30	17.70
	3H	12.11	12.81	13.16	13.86	15.28	15.82	16.52	16.86	17.57	18.99
	4H	12.30	12.96	13.36	14.02	15.44	16.26	16.93	17.32	17.98	19.41
	6H	12.41	13.03	13.48	14.08	15.52	16.55	17.16	17.61	18.21	19.65
	8H	12.41	12.99	13.48	14.07	15.50	16.62	17.20	17.69	18.27	19.71
	12H	12.38	12.93	13.46	14.00	15.46	16.66	17.21	17.73	18.27	19.73
4H	2H	12.67	13.33	13.73	14.38	15.81	14.88	15.54	15.94	16.59	18.02
	3H	13.69	14.24	14.76	15.32	16.76	16.38	16.93	17.45	18.01	19.45
	4H	13.96	14.47	15.03	15.54	17.00	16.90	17.41	17.98	18.48	19.94
	6H	14.08	14.51	15.16	15.61	17.06	17.27	17.70	18.35	18.80	20.25
	8H	14.08	14.49	15.17	15.57	17.05	17.37	17.78	18.46	18.87	20.34
	12H	14.05	14.41	15.15	15.51	16.99	17.43	17.80	18.53	18.89	20.37
8H	4H	14.41	14.81	15.49	15.90	17.37	17.02	17.43	18.11	18.52	19.99
	6H	14.66	15.00	15.77	16.13	17.60	17.46	17.79	18.57	18.92	20.39
	8H	14.71	15.00	15.82	16.11	17.60	17.61	17.90	18.73	19.01	20.50
	12H	14.69	14.95	15.81	16.05	17.58	17.71	17.97	18.82	19.07	20.60
12H	4H	14.41	14.78	15.51	15.88	17.35	16.98	17.35	18.09	18.45	19.93
	6H	14.73	15.02	15.84	16.13	17.62	17.45	17.75	18.57	18.86	20.35
	8H	14.79	15.05	15.91	16.15	17.68	17.61	17.87	18.73	18.98	20.50