

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: P936011

Luminaire Tested: SQ4-FA-150U-100D-830-1D-UNV-STD-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936011
REPORT IS A COMBINATION OF REPORTS P933779 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-100D-830-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

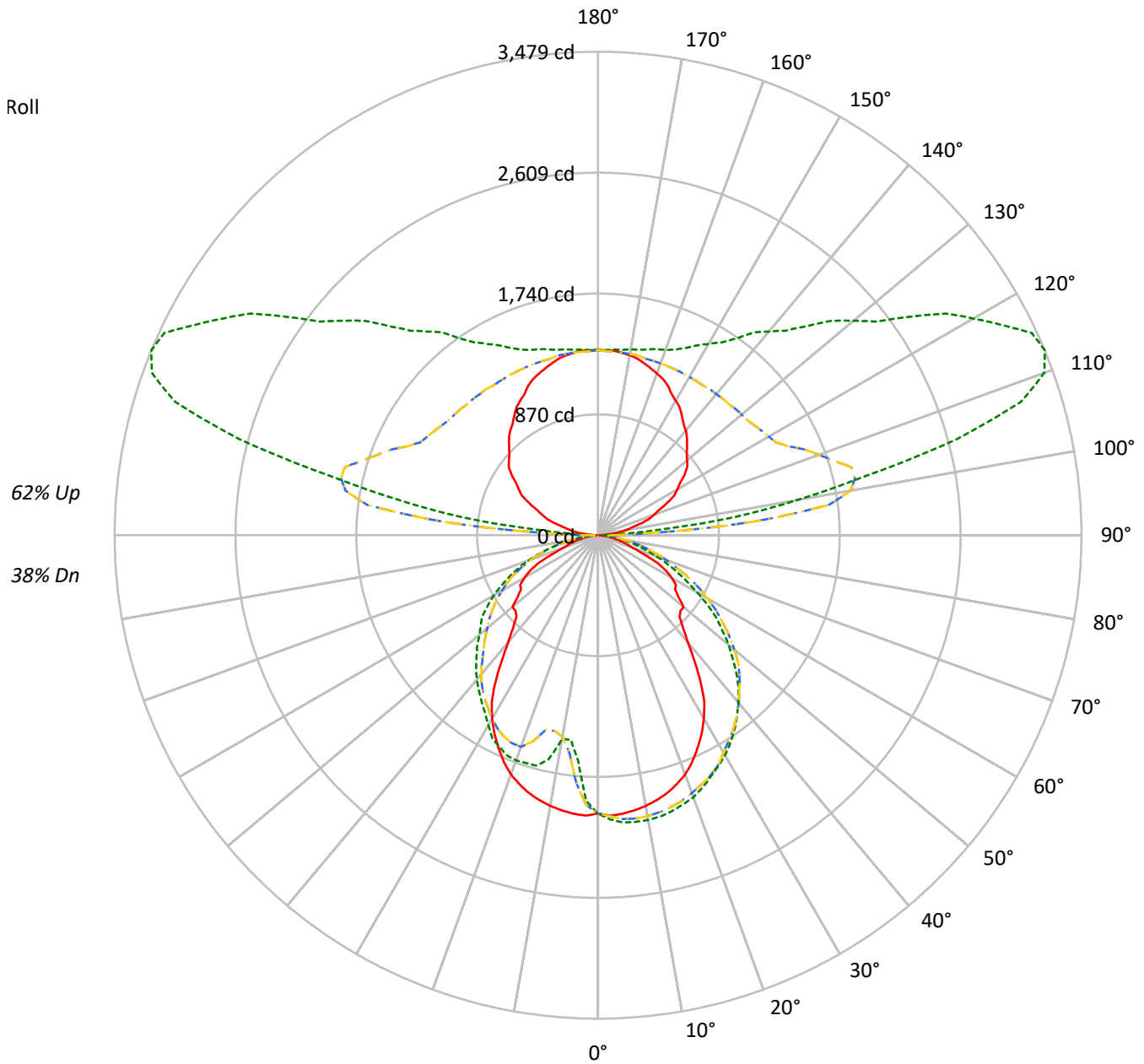
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13836.2 lumens
Efficiency: N/A
Efficacy: 127.4 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: Semi-Indirect

Input Watts (W): 108.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - · - · 90°-270° - · - · 135°-315°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	104	104	104	104	94	94	94	94	76	76	76	60	60	60	45	45	45	38
1	95	91	87	84	86	83	79	76	67	65	63	53	51	50	40	39	38	32
2	87	79	73	68	78	72	67	63	59	55	52	46	44	42	35	33	32	27
3	79	70	62	57	71	63	57	52	52	47	44	41	38	35	31	29	27	23
4	72	62	54	48	65	56	49	44	46	41	37	36	33	30	28	25	23	19
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17
6	61	49	41	35	55	45	38	33	37	32	28	29	26	23	22	20	18	15
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	20	18	16	13
8	52	40	32	27	47	37	30	25	30	25	21	24	21	18	19	16	14	12
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13	10
10	45	33	26	21	41	31	24	20	25	21	17	21	17	14	16	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12387	12387	12387	12387
5°	12475	12504	12475	9832
10°	12388	12318	12388	8807
15°	12248	12051	12248	10063
20°	11988	11735	11988	10084
25°	11458	11274	11458	9870
30°	10777	10891	10777	9401
35°	9603	10406	9603	8886
40°	7997	9836	7997	8496
45°	7141	9169	7141	8048
50°	7579	8373	7579	7598
55°	7126	7516	7126	7338
60°	7335	6383	7335	6721
65°	6641	5276	6641	5898
70°	4587	4206	4587	4944
75°	4008	3108	4008	3723
80°	3206	2056	3206	2238
85°	1806	1089	1806	925

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10951 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.8	1.3
10°-20°	513.2	3.7
20°-30°	793.3	5.7
30°-40°	947.1	6.8
40°-50°	952.6	6.9
50°-60°	828.9	6.0
60°-70°	587.7	4.2
70°-80°	310.9	2.2
80°-90°	82.5	0.6
90°-100°	649.6	4.7
100°-110°	1707.8	12.3
110°-120°	1770.8	12.8
120°-130°	1420.4	10.3
130°-140°	1114.5	8.1
140°-150°	855.5	6.2
150°-160°	616.1	4.5
160°-170°	376.9	2.7
170°-180°	127.4	0.9
0°-30°	1487.3	10.7
0°-40°	2434.4	17.6
0°-60°	4216.0	30.5
0°-90°	5197.1	37.6
90°-120°	4128.3	29.8
90°-150°	7518.7	54.3
90°-180°	8639.0	62.4
0°-180°	13836.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2002	2002	2002	2002	2002	
5°	2012	2074	2012	1631	2012	191
15°	1921	2056	1921	1716	1921	541
25°	1692	1917	1692	1678	1692	777
35°	1286	1711	1286	1461	1286	796
45°	830	1410	830	1237	830	665
55°	676	1040	676	1016	676	621
65°	470	627	470	701	470	449
75°	178	297	178	356	178	187
85°	30	76	30	64	30	41
90°	9	34	9	34	9	9
95°	86	393	86	393	86	95
105°	308	2674	308	2674	308	326
115°	546	3443	546	3443	546	540
125°	760	2742	760	2742	760	675
135°	906	2128	906	2128	906	701
145°	1051	1726	1051	1726	1051	658
155°	1188	1486	1188	1486	1188	546
165°	1282	1384	1282	1384	1282	362
175°	1333	1342	1333	1342	1333	127
180°	1333	1333	1333	1333	1333	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4
2.5°	2019.6	2019.6	2030.9	2034.7	2034.7	2029.0	2023.3	2029.0	2046.0	2051.8	2049.9
5°	2011.9	2027.1	2047.9	2051.8	2055.5	2053.6	2049.9	2053.6	2072.5	2076.3	2078.2
7.5°	1996.8	2025.2	2051.8	2057.4	2063.0	2057.4	2055.5	2059.3	2078.2	2082.1	2082.1
10°	1977.9	2017.6	2047.9	2051.8	2057.4	2051.8	2051.8	2059.3	2078.2	2082.1	2083.9
12.5°	1951.3	2006.3	2034.7	2038.5	2046.0	2044.1	2042.2	2049.9	2068.8	2072.5	2072.5
15°	1921.0	1985.4	2011.9	2015.7	2029.0	2025.2	2025.2	2032.7	2053.6	2059.3	2057.4
17.5°	1879.3	1958.8	1989.2	1994.9	2004.3	2002.4	2004.3	2011.9	2030.9	2034.7	2036.6
20°	1832.0	1922.9	1958.8	1964.6	1974.0	1974.0	1974.0	1983.5	2002.4	2010.1	2010.1
22.5°	1767.5	1885.0	1922.9	1926.7	1938.1	1938.1	1941.8	1955.1	1972.1	1974.0	1974.0
25°	1691.7	1843.4	1875.6	1886.9	1898.2	1904.0	1909.6	1917.3	1922.9	1921.0	1922.9
27.5°	1612.2	1790.3	1832.0	1839.5	1854.7	1860.4	1867.9	1869.8	1871.8	1877.4	1873.7
30°	1523.2	1716.4	1778.9	1786.5	1811.1	1814.9	1807.3	1811.1	1820.6	1824.4	1828.2
32.5°	1422.7	1606.6	1724.0	1741.1	1763.7	1752.3	1750.5	1756.2	1771.4	1771.4	1775.1
35°	1286.4	1521.3	1672.8	1688.0	1705.0	1691.7	1699.4	1701.2	1710.7	1716.4	1714.5
37.5°	1136.7	1447.4	1619.8	1631.1	1644.4	1627.4	1638.7	1644.4	1652.0	1648.2	1648.2
40°	1004.1	1331.8	1557.2	1564.9	1576.3	1563.0	1574.3	1578.1	1581.9	1578.1	1576.3
42.5°	905.5	1204.8	1491.0	1500.4	1492.9	1502.4	1506.1	1513.7	1508.0	1500.4	1500.4
45°	829.8	1170.8	1419.0	1430.4	1419.0	1434.1	1439.8	1439.8	1422.7	1419.0	1417.1
47.5°	805.1	1102.6	1347.0	1347.0	1341.3	1360.2	1369.7	1356.5	1339.4	1333.7	1333.7
50°	803.2	1026.8	1248.4	1240.9	1267.4	1290.1	1280.7	1267.4	1254.2	1233.3	1233.3
52.5°	729.3	934.0	1121.5	1150.0	1191.7	1204.8	1189.7	1176.5	1153.7	1144.2	1136.7
55°	676.4	837.4	1006.0	1062.8	1106.4	1123.4	1095.0	1081.7	1047.7	1041.9	1038.2
57.5°	665.0	697.2	899.9	971.9	1024.9	1023.0	1006.0	981.3	952.9	947.2	945.4
60°	610.0	503.9	786.2	871.5	926.4	920.7	905.5	882.9	856.3	852.6	848.7
62.5°	553.1	365.7	657.3	754.0	831.7	829.8	816.5	782.4	763.5	754.0	746.4
65°	469.9	306.9	468.0	627.0	738.9	742.6	714.2	689.6	668.7	657.3	655.5
67.5°	358.0	250.1	316.3	522.8	649.8	646.1	610.0	598.6	572.2	566.4	555.1
70°	265.2	166.7	219.8	424.4	562.7	553.1	524.7	511.6	486.9	473.6	466.0
72.5°	219.8	134.5	161.0	329.6	473.6	462.2	437.7	422.5	401.6	390.2	382.7
75°	178.1	142.1	123.1	244.4	384.6	377.0	354.3	339.1	322.1	306.9	308.8
77.5°	130.7	132.6	98.5	180.0	305.0	293.7	280.4	261.5	253.8	238.7	238.7
80°	98.5	104.2	73.9	123.1	219.8	219.8	208.4	195.1	181.8	174.3	174.3
82.5°	66.3	66.3	55.0	77.6	149.7	144.0	136.4	132.6	125.0	121.2	121.2
85°	30.3	37.9	34.1	47.3	81.5	85.3	85.3	81.5	79.5	75.8	77.6
87.5°	9.5	17.0	20.8	26.5	41.7	43.6	45.5	45.5	45.5	47.3	47.3
90°	9.0	16.2	23.2	25.0	39.4	58.4	68.0	60.4	45.3	34.0	34.0
92.5°	35.8	96.6	157.5	172.7	242.7	336.1	382.8	335.5	240.9	170.0	163.2
95°	85.8	197.1	308.5	336.3	597.2	945.0	1118.9	998.4	757.5	576.9	556.4
97.5°	148.5	246.6	344.8	369.4	804.4	1384.4	1674.3	1598.2	1446.0	1331.8	1292.8
100°	196.7	285.8	374.8	397.1	879.8	1523.4	1845.2	1850.7	1861.9	1870.2	1823.9
102.5°	237.9	321.0	404.1	424.8	914.4	1567.1	1893.5	1990.4	2184.4	2329.9	2290.1
105°	307.6	378.0	448.4	466.0	940.0	1572.0	1888.1	2105.5	2540.4	2866.6	2845.2
107.5°	379.2	444.8	510.4	526.8	944.7	1502.1	1780.7	2084.1	2690.7	3145.6	3150.8
110°	427.5	486.8	546.0	560.8	937.6	1440.0	1691.3	2030.4	2708.5	3217.1	3239.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	474.9	531.3	587.7	601.9	937.9	1385.9	1609.9	1956.9	2651.0	3171.5	3205.8
115°	546.4	598.6	650.7	663.7	946.5	1323.8	1512.4	1846.7	2515.3	3016.8	3064.2
117.5°	617.1	664.4	711.7	723.6	964.2	1285.0	1445.4	1747.1	2350.4	2803.0	2855.6
120°	658.3	702.9	747.4	758.5	978.5	1271.9	1418.5	1694.2	2245.5	2659.0	2710.1
122.5°	698.5	743.5	788.4	799.6	999.0	1265.0	1398.0	1646.2	2142.7	2515.0	2565.4
125°	760.2	801.1	842.1	852.4	1026.7	1259.3	1375.6	1586.5	2008.2	2324.5	2370.9
127.5°	810.3	851.6	893.0	903.3	1054.5	1256.0	1356.8	1537.8	1900.0	2171.6	2210.8
130°	837.2	881.7	926.3	937.4	1074.8	1258.1	1349.7	1510.9	1833.2	2075.0	2111.1
132.5°	864.9	909.4	954.0	965.1	1091.2	1259.3	1343.4	1487.6	1776.2	1992.7	2025.1
135°	906.0	946.5	987.2	997.3	1109.1	1258.1	1332.7	1453.5	1695.2	1876.4	1904.4
137.5°	948.1	988.2	1028.4	1038.4	1135.9	1265.8	1330.8	1433.0	1637.3	1790.6	1813.4
140°	983.0	1020.0	1056.9	1066.1	1152.3	1267.2	1324.6	1412.9	1589.4	1721.8	1743.1
142.5°	1009.7	1044.0	1078.2	1086.7	1166.0	1271.8	1324.6	1402.2	1557.1	1673.4	1691.7
145°	1050.9	1080.8	1110.6	1118.0	1183.9	1271.8	1315.6	1379.0	1505.9	1601.0	1614.9
147.5°	1092.0	1121.1	1150.1	1157.3	1210.1	1280.5	1315.6	1365.6	1465.3	1540.1	1551.7
150°	1118.9	1145.1	1171.3	1177.9	1223.8	1285.1	1315.6	1357.8	1442.0	1505.2	1514.6
152.5°	1146.6	1166.5	1186.4	1191.4	1232.8	1288.0	1315.6	1351.6	1423.6	1477.5	1484.6
155°	1187.7	1202.5	1217.2	1220.8	1252.5	1294.6	1315.6	1344.2	1401.5	1444.4	1449.1
157.5°	1218.1	1232.5	1246.8	1250.4	1272.1	1301.1	1315.6	1337.9	1382.5	1415.8	1419.1
160°	1238.8	1249.9	1261.0	1263.7	1281.0	1304.1	1315.6	1334.8	1372.9	1401.5	1403.4
162.5°	1259.3	1267.7	1276.0	1278.1	1290.6	1307.3	1315.6	1331.7	1363.9	1388.1	1389.9
165°	1281.7	1289.3	1296.7	1298.6	1304.3	1311.8	1315.6	1327.2	1350.3	1367.6	1369.5
167.5°	1302.3	1305.8	1309.4	1310.3	1315.1	1321.5	1324.6	1332.2	1347.3	1358.6	1359.3
170°	1315.6	1319.2	1322.8	1323.7	1324.0	1324.4	1324.6	1332.2	1347.3	1358.6	1358.6
172.5°	1322.8	1323.6	1324.4	1324.6	1324.6	1324.6	1324.6	1330.6	1342.5	1351.4	1350.7
175°	1332.7	1332.7	1332.7	1332.7	1330.0	1326.4	1324.6	1328.4	1335.9	1341.6	1341.6
177.5°	1332.7	1332.7	1332.7	1332.7	1330.6	1327.8	1326.4	1329.3	1335.3	1339.8	1339.1
180°	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4
2.5°	2053.6	2047.9	2053.6	2049.9	2051.8	2046.0	2029.0	2023.3	2029.0	2034.7	2034.7
5°	2078.2	2074.4	2078.2	2078.2	2076.3	2072.5	2053.6	2049.9	2053.6	2055.5	2051.8
7.5°	2085.8	2080.2	2085.8	2082.1	2082.1	2078.2	2059.3	2055.5	2057.4	2063.0	2057.4
10°	2085.8	2080.2	2085.8	2083.9	2082.1	2078.2	2059.3	2051.8	2051.8	2057.4	2051.8
12.5°	2076.3	2072.5	2076.3	2072.5	2072.5	2068.8	2049.9	2042.2	2044.1	2046.0	2038.5
15°	2061.2	2055.5	2061.2	2057.4	2059.3	2053.6	2032.7	2025.2	2025.2	2029.0	2015.7
17.5°	2038.5	2030.9	2038.5	2036.6	2034.7	2030.9	2011.9	2004.3	2002.4	2004.3	1994.9
20°	2011.9	2006.3	2011.9	2010.1	2010.1	2002.4	1983.5	1974.0	1974.0	1974.0	1964.6
22.5°	1970.2	1964.6	1970.2	1974.0	1974.0	1972.1	1955.1	1941.8	1938.1	1938.1	1926.7
25°	1922.9	1917.3	1922.9	1922.9	1921.0	1922.9	1917.3	1909.6	1904.0	1898.2	1886.9
27.5°	1877.4	1873.7	1877.4	1873.7	1877.4	1871.8	1869.8	1867.9	1860.4	1854.7	1839.5
30°	1832.0	1828.2	1832.0	1828.2	1824.4	1820.6	1811.1	1807.3	1814.9	1811.1	1786.5
32.5°	1775.1	1771.4	1775.1	1775.1	1771.4	1771.4	1756.2	1750.5	1752.3	1763.7	1741.1
35°	1716.4	1710.7	1716.4	1714.5	1716.4	1710.7	1701.2	1699.4	1691.7	1705.0	1688.0
37.5°	1648.2	1642.5	1648.2	1648.2	1648.2	1652.0	1644.4	1638.7	1627.4	1644.4	1631.1
40°	1578.1	1570.5	1578.1	1576.3	1578.1	1581.9	1578.1	1574.3	1563.0	1576.3	1564.9
42.5°	1498.5	1496.6	1498.5	1500.4	1500.4	1508.0	1513.7	1506.1	1502.4	1492.9	1500.4
45°	1413.3	1409.5	1413.3	1417.1	1419.0	1422.7	1439.8	1439.8	1434.1	1419.0	1430.4
47.5°	1322.3	1312.9	1322.3	1333.7	1333.7	1339.4	1356.5	1369.7	1360.2	1341.3	1347.0
50°	1225.7	1227.6	1225.7	1233.3	1233.3	1254.2	1267.4	1280.7	1290.1	1267.4	1240.9
52.5°	1131.0	1129.1	1131.0	1136.7	1144.2	1153.7	1176.5	1189.7	1204.8	1191.7	1150.0
55°	1036.3	1040.0	1036.3	1038.2	1041.9	1047.7	1081.7	1095.0	1123.4	1106.4	1062.8
57.5°	941.6	935.8	941.6	945.4	947.2	952.9	981.3	1006.0	1023.0	1024.9	971.9
60°	831.7	824.1	831.7	848.7	852.6	856.3	882.9	905.5	920.7	926.4	871.5
62.5°	735.1	721.8	735.1	746.4	754.0	763.5	782.4	816.5	829.8	831.7	754.0
65°	632.8	627.0	632.8	655.5	657.3	668.7	689.6	714.2	742.6	738.9	627.0
67.5°	539.9	539.9	539.9	555.1	566.4	572.2	598.6	610.0	646.1	649.8	522.8
70°	454.7	452.8	454.7	466.0	473.6	486.9	511.6	524.7	553.1	562.7	424.4
72.5°	373.2	371.3	373.2	382.7	390.2	401.6	422.5	437.7	462.2	473.6	329.6
75°	301.2	297.4	301.2	308.8	306.9	322.1	339.1	354.3	377.0	384.6	244.4
77.5°	231.2	231.2	231.2	238.7	238.7	253.8	261.5	280.4	293.7	305.0	180.0
80°	172.4	170.6	172.4	174.3	174.3	181.8	195.1	208.4	219.8	219.8	123.1
82.5°	121.2	117.5	121.2	121.2	121.2	125.0	132.6	136.4	144.0	149.7	77.6
85°	75.8	75.8	75.8	77.6	75.8	79.5	81.5	85.3	85.3	81.5	47.3
87.5°	49.2	47.3	49.2	47.3	47.3	45.5	45.5	45.5	43.6	41.7	26.5
90°	34.0	34.0	34.0	34.0	34.0	45.3	60.4	68.0	58.4	39.4	25.0
92.5°	136.1	109.1	136.1	163.2	170.0	240.9	335.5	382.8	336.1	242.7	172.7
95°	474.5	392.6	474.5	556.4	576.9	757.5	998.4	1118.9	945.0	597.2	336.3
97.5°	1137.0	981.1	1137.0	1292.8	1331.8	1446.0	1598.2	1674.3	1384.4	804.4	369.4
100°	1638.2	1452.5	1638.2	1823.9	1870.2	1861.9	1850.7	1845.2	1523.4	879.8	397.1
102.5°	2131.1	1972.1	2131.1	2290.1	2329.9	2184.4	1990.4	1893.5	1567.1	914.4	424.8
105°	2759.7	2674.2	2759.7	2845.2	2866.6	2540.4	2105.5	1888.1	1572.0	940.0	466.0
107.5°	3171.4	3192.1	3171.4	3150.8	3145.6	2690.7	2084.1	1780.7	1502.1	944.7	526.8
110°	3328.4	3417.5	3328.4	3239.4	3217.1	2708.5	2030.4	1691.3	1440.0	937.6	560.8



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3342.5	3479.2	3342.5	3205.8	3171.5	2651.0	1956.9	1609.9	1385.9	937.9	601.9
115°	3253.7	3443.4	3253.7	3064.2	3016.8	2515.3	1846.7	1512.4	1323.8	946.5	663.7
117.5°	3065.9	3276.2	3065.9	2855.6	2803.0	2350.4	1747.1	1445.4	1285.0	964.2	723.6
120°	2914.5	3118.8	2914.5	2710.1	2659.0	2245.5	1694.2	1418.5	1271.9	978.5	758.5
122.5°	2767.0	2968.5	2767.0	2565.4	2515.0	2142.7	1646.2	1398.0	1265.0	999.0	799.6
125°	2556.5	2742.2	2556.5	2370.9	2324.5	2008.2	1586.5	1375.6	1259.3	1026.7	852.4
127.5°	2367.3	2524.0	2367.3	2210.8	2171.6	1900.0	1537.8	1356.8	1256.0	1054.5	903.3
130°	2255.9	2400.5	2255.9	2111.1	2075.0	1833.2	1510.9	1349.7	1258.1	1074.8	937.4
132.5°	2154.6	2284.3	2154.6	2025.1	1992.7	1776.2	1487.6	1343.4	1259.3	1091.2	965.1
135°	2016.1	2127.8	2016.1	1904.4	1876.4	1695.2	1453.5	1332.7	1258.1	1109.1	997.3
137.5°	1904.9	1996.3	1904.9	1813.4	1790.6	1637.3	1433.0	1330.8	1265.8	1135.9	1038.4
140°	1828.5	1914.0	1828.5	1743.1	1721.8	1589.4	1412.9	1324.6	1267.2	1152.3	1066.1
142.5°	1765.3	1838.9	1765.3	1691.7	1673.4	1557.1	1402.2	1324.6	1271.8	1166.0	1086.7
145°	1670.5	1726.2	1670.5	1614.9	1601.0	1505.9	1379.0	1315.6	1271.8	1183.9	1118.0
147.5°	1597.8	1643.9	1597.8	1551.7	1540.1	1465.3	1365.6	1315.6	1280.5	1210.1	1157.3
150°	1552.0	1589.4	1552.0	1514.6	1505.2	1442.0	1357.8	1315.6	1285.1	1223.8	1177.9
152.5°	1512.8	1541.1	1512.8	1484.6	1477.5	1423.6	1351.6	1315.6	1288.0	1232.8	1191.4
155°	1467.7	1486.5	1467.7	1449.1	1444.4	1401.5	1344.2	1315.6	1294.6	1252.5	1220.8
157.5°	1432.3	1445.4	1432.3	1419.1	1415.8	1382.5	1337.9	1315.6	1301.1	1272.1	1250.4
160°	1411.0	1418.5	1411.0	1403.4	1401.5	1372.9	1334.8	1315.6	1304.1	1281.0	1263.7
162.5°	1397.0	1404.2	1397.0	1389.9	1388.1	1363.9	1331.7	1315.6	1307.3	1290.6	1278.1
165°	1376.9	1384.5	1376.9	1369.5	1367.6	1350.3	1327.2	1315.6	1311.8	1304.3	1298.6
167.5°	1362.6	1365.7	1362.6	1359.3	1358.6	1347.3	1332.2	1324.6	1321.5	1315.1	1310.3
170°	1358.6	1358.6	1358.6	1358.6	1358.6	1347.3	1332.2	1324.6	1324.4	1324.0	1323.7
172.5°	1348.0	1345.2	1348.0	1350.7	1351.4	1342.5	1330.6	1324.6	1324.6	1324.6	1324.6
175°	1341.6	1341.6	1341.6	1341.6	1341.6	1335.9	1328.4	1324.6	1326.4	1330.0	1332.7
177.5°	1335.8	1332.7	1335.8	1339.1	1339.8	1335.3	1329.3	1326.4	1327.8	1330.6	1332.7
180°	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4
2.5°	2030.9	2019.6	2019.6	2000.5	1993.0	1987.3	1977.9	1949.4	1941.8	1934.3	1945.7
5°	2047.9	2027.1	2011.9	1977.9	1949.4	1938.1	1902.1	1833.9	1788.4	1754.3	1735.3
7.5°	2051.8	2025.2	1996.8	1943.7	1875.6	1845.2	1735.3	1610.3	1576.3	1545.9	1526.9
10°	2047.9	2017.6	1977.9	1898.2	1737.2	1684.2	1574.3	1492.9	1472.0	1466.3	1472.0
12.5°	2034.7	2006.3	1951.3	1818.7	1593.3	1557.2	1492.9	1445.5	1441.7	1451.2	1502.4
15°	2011.9	1985.4	1921.0	1712.6	1513.7	1487.2	1441.7	1424.6	1445.5	1511.8	1665.3
17.5°	1989.2	1958.8	1879.3	1608.4	1453.0	1434.1	1401.9	1436.0	1553.5	1642.5	1693.6
20°	1958.8	1922.9	1832.0	1532.7	1409.5	1392.4	1377.3	1530.7	1619.8	1652.0	1680.4
22.5°	1922.9	1885.0	1767.5	1479.6	1364.0	1350.7	1360.2	1583.8	1619.8	1642.5	1667.2
25°	1875.6	1843.4	1691.7	1437.9	1328.1	1312.9	1348.9	1578.1	1598.9	1604.6	1653.9
27.5°	1832.0	1790.3	1612.2	1400.1	1284.5	1278.7	1358.4	1553.5	1568.6	1574.3	1627.4
30°	1778.9	1716.4	1523.2	1360.2	1239.0	1237.1	1360.2	1523.2	1519.4	1534.6	1587.5
32.5°	1724.0	1606.6	1422.7	1311.0	1195.4	1193.6	1347.0	1477.7	1473.9	1494.7	1534.6
35°	1672.8	1521.3	1286.4	1254.2	1140.5	1142.3	1314.8	1424.6	1426.5	1445.5	1470.1
37.5°	1619.8	1447.4	1136.7	1191.7	1087.4	1087.4	1271.2	1375.4	1371.6	1377.3	1411.3
40°	1557.2	1331.8	1004.1	1110.2	1038.2	1032.5	1218.1	1322.3	1309.1	1307.2	1354.6
42.5°	1491.0	1204.8	905.5	1002.2	981.3	973.8	1153.7	1257.9	1233.3	1239.0	1299.6
45°	1419.0	1170.8	829.8	846.8	922.6	916.9	1083.6	1184.0	1167.0	1182.2	1244.7
47.5°	1347.0	1102.6	805.1	702.9	860.1	858.2	1006.0	1112.0	1102.6	1117.8	1184.0
50°	1248.4	1026.8	803.2	602.5	790.0	797.6	913.2	1041.9	1041.9	1055.2	1125.3
52.5°	1121.5	934.0	729.3	545.6	708.5	731.2	831.7	981.3	985.2	998.4	1060.9
55°	1006.0	837.4	676.4	502.0	611.9	661.2	752.1	918.8	926.4	939.7	996.5
57.5°	899.9	697.2	665.0	450.8	522.8	570.3	682.0	858.2	862.0	873.4	928.3
60°	786.2	503.9	610.0	396.0	445.2	481.2	617.6	786.2	799.5	807.1	854.4
62.5°	657.3	365.7	553.1	358.0	407.4	414.9	564.5	718.1	735.1	740.7	769.2
65°	468.0	306.9	469.9	325.8	367.5	369.4	507.7	647.9	663.1	672.5	693.4
67.5°	316.3	250.1	358.0	295.5	337.2	339.1	452.8	566.4	587.3	594.8	608.1
70°	219.8	166.7	265.2	263.4	303.1	306.9	394.1	492.5	511.6	517.2	524.7
72.5°	161.0	134.5	219.8	236.8	267.1	270.9	333.5	409.2	428.2	433.8	437.7
75°	123.1	142.1	178.1	206.5	227.3	229.2	272.8	333.5	346.6	350.5	352.4
77.5°	98.5	132.6	130.7	166.7	185.7	181.8	214.0	257.6	269.0	269.0	269.0
80°	73.9	104.2	98.5	119.3	136.4	132.6	153.4	183.7	187.6	191.3	189.5
82.5°	55.0	66.3	66.3	75.8	90.9	87.2	102.3	119.3	119.3	119.3	123.1
85°	34.1	37.9	30.3	39.8	51.1	49.2	56.9	64.4	66.3	66.3	62.5
87.5°	20.8	17.0	9.5	15.2	22.8	22.8	26.5	28.4	26.5	26.5	26.5
90°	23.2	16.2	9.0	16.2	23.2	25.0	39.4	58.4	68.0	60.4	45.3
92.5°	157.5	96.6	35.8	96.6	157.5	172.7	242.7	336.1	382.8	335.5	240.9
95°	308.5	197.1	85.8	197.1	308.5	336.3	597.2	945.0	1118.9	998.4	757.5
97.5°	344.8	246.6	148.5	246.6	344.8	369.4	804.4	1384.4	1674.3	1598.2	1446.0
100°	374.8	285.8	196.7	285.8	374.8	397.1	879.8	1523.4	1845.2	1850.7	1861.9
102.5°	404.1	321.0	237.9	321.0	404.1	424.8	914.4	1567.1	1893.5	1990.4	2184.4
105°	448.4	378.0	307.6	378.0	448.4	466.0	940.0	1572.0	1888.1	2105.5	2540.4
107.5°	510.4	444.8	379.2	444.8	510.4	526.8	944.7	1502.1	1780.7	2084.1	2690.7
110°	546.0	486.8	427.5	486.8	546.0	560.8	937.6	1440.0	1691.3	2030.4	2708.5



TEST NUMBER: P936011

CATALOG NUMBER: SQ4-FA-150U-100D-830-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	587.7	531.3	474.9	531.3	587.7	601.9	937.9	1385.9	1609.9	1956.9	2651.0
115°	650.7	598.6	546.4	598.6	650.7	663.7	946.5	1323.8	1512.4	1846.7	2515.3
117.5°	711.7	664.4	617.1	664.4	711.7	723.6	964.2	1285.0	1445.4	1747.1	2350.4
120°	747.4	702.9	658.3	702.9	747.4	758.5	978.5	1271.9	1418.5	1694.2	2245.5
122.5°	788.4	743.5	698.5	743.5	788.4	799.6	999.0	1265.0	1398.0	1646.2	2142.7
125°	842.1	801.1	760.2	801.1	842.1	852.4	1026.7	1259.3	1375.6	1586.5	2008.2
127.5°	893.0	851.6	810.3	851.6	893.0	903.3	1054.5	1256.0	1356.8	1537.8	1900.0
130°	926.3	881.7	837.2	881.7	926.3	937.4	1074.8	1258.1	1349.7	1510.9	1833.2
132.5°	954.0	909.4	864.9	909.4	954.0	965.1	1091.2	1259.3	1343.4	1487.6	1776.2
135°	987.2	946.5	906.0	946.5	987.2	997.3	1109.1	1258.1	1332.7	1453.5	1695.2
137.5°	1028.4	988.2	948.1	988.2	1028.4	1038.4	1135.9	1265.8	1330.8	1433.0	1637.3
140°	1056.9	1020.0	983.0	1020.0	1056.9	1066.1	1152.3	1267.2	1324.6	1412.9	1589.4
142.5°	1078.2	1044.0	1009.7	1044.0	1078.2	1086.7	1166.0	1271.8	1324.6	1402.2	1557.1
145°	1110.6	1080.8	1050.9	1080.8	1110.6	1118.0	1183.9	1271.8	1315.6	1379.0	1505.9
147.5°	1150.1	1121.1	1092.0	1121.1	1150.1	1157.3	1210.1	1280.5	1315.6	1365.6	1465.3
150°	1171.3	1145.1	1118.9	1145.1	1171.3	1177.9	1223.8	1285.1	1315.6	1357.8	1442.0
152.5°	1186.4	1166.5	1146.6	1166.5	1186.4	1191.4	1232.8	1288.0	1315.6	1351.6	1423.6
155°	1217.2	1202.5	1187.7	1202.5	1217.2	1220.8	1252.5	1294.6	1315.6	1344.2	1401.5
157.5°	1246.8	1232.5	1218.1	1232.5	1246.8	1250.4	1272.1	1301.1	1315.6	1337.9	1382.5
160°	1261.0	1249.9	1238.8	1249.9	1261.0	1263.7	1281.0	1304.1	1315.6	1334.8	1372.9
162.5°	1276.0	1267.7	1259.3	1267.7	1276.0	1278.1	1290.6	1307.3	1315.6	1331.7	1363.9
165°	1296.7	1289.3	1281.7	1289.3	1296.7	1298.6	1304.3	1311.8	1315.6	1327.2	1350.3
167.5°	1309.4	1305.8	1302.3	1305.8	1309.4	1310.3	1315.1	1321.5	1324.6	1332.2	1347.3
170°	1322.8	1319.2	1315.6	1319.2	1322.8	1323.7	1324.0	1324.4	1324.6	1332.2	1347.3
172.5°	1324.4	1323.6	1322.8	1323.6	1324.4	1324.6	1324.6	1324.6	1324.6	1330.6	1342.5
175°	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1330.0	1326.4	1324.6	1328.4	1335.9
177.5°	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1330.6	1327.8	1326.4	1329.3	1335.3
180°	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7



TEST NUMBER: P936011
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4
2.5°	1932.4	1926.7	1934.3	1913.4	1934.3	1926.7	1932.4	1945.7	1934.3	1941.8	1949.4
5°	1695.6	1686.1	1655.8	1631.1	1655.8	1686.1	1695.6	1735.3	1754.3	1788.4	1833.9
7.5°	1515.5	1508.0	1500.4	1485.2	1500.4	1508.0	1515.5	1526.9	1545.9	1576.3	1610.3
10°	1475.8	1477.7	1489.1	1487.2	1489.1	1477.7	1475.8	1472.0	1466.3	1472.0	1492.9
12.5°	1578.1	1595.2	1657.7	1653.9	1657.7	1595.2	1578.1	1502.4	1451.2	1441.7	1445.5
15°	1695.6	1701.2	1714.5	1716.4	1714.5	1701.2	1695.6	1665.3	1511.8	1445.5	1424.6
17.5°	1706.9	1708.8	1718.3	1718.3	1718.3	1708.8	1706.9	1693.6	1642.5	1553.5	1436.0
20°	1697.5	1701.2	1720.2	1724.0	1720.2	1701.2	1697.5	1680.4	1652.0	1619.8	1530.7
22.5°	1693.6	1701.2	1716.4	1714.5	1716.4	1701.2	1693.6	1667.2	1642.5	1619.8	1583.8
25°	1674.7	1674.7	1676.6	1678.5	1676.6	1674.7	1674.7	1653.9	1604.6	1598.9	1578.1
27.5°	1635.0	1638.7	1650.1	1648.2	1650.1	1638.7	1635.0	1627.4	1574.3	1568.6	1553.5
30°	1598.9	1595.2	1585.7	1578.1	1585.7	1595.2	1598.9	1587.5	1534.6	1519.4	1523.2
32.5°	1538.3	1528.8	1519.4	1513.7	1519.4	1528.8	1538.3	1534.6	1494.7	1473.9	1477.7
35°	1466.3	1468.2	1466.3	1460.7	1466.3	1468.2	1466.3	1470.1	1445.5	1426.5	1424.6
37.5°	1415.2	1419.0	1417.1	1409.5	1417.1	1419.0	1415.2	1411.3	1377.3	1371.6	1375.4
40°	1362.1	1364.0	1362.1	1356.5	1362.1	1364.0	1362.1	1354.6	1307.2	1309.1	1322.3
42.5°	1311.0	1309.1	1303.4	1299.6	1303.4	1309.1	1311.0	1299.6	1239.0	1233.3	1257.9
45°	1252.3	1254.2	1242.8	1237.1	1242.8	1254.2	1252.3	1244.7	1182.2	1167.0	1184.0
47.5°	1193.6	1193.6	1184.0	1178.4	1184.0	1193.6	1193.6	1184.0	1117.8	1102.6	1112.0
50°	1131.0	1129.1	1115.8	1113.9	1115.8	1129.1	1131.0	1125.3	1055.2	1041.9	1041.9
52.5°	1059.1	1059.1	1060.9	1064.7	1060.9	1059.1	1059.1	1060.9	998.4	985.2	981.3
55°	996.5	998.4	1011.6	1015.5	1011.6	998.4	996.5	996.5	939.7	926.4	918.8
57.5°	932.1	932.1	941.6	941.6	941.6	932.1	932.1	928.3	873.4	862.0	858.2
60°	858.2	862.0	869.6	867.7	869.6	862.0	858.2	854.4	807.1	799.5	786.2
62.5°	780.5	784.3	786.2	782.4	786.2	784.3	780.5	769.2	740.7	735.1	718.1
65°	699.0	702.9	704.8	700.9	704.8	702.9	699.0	693.4	672.5	663.1	647.9
67.5°	615.7	613.8	611.9	619.5	611.9	613.8	615.7	608.1	594.8	587.3	566.4
70°	530.5	530.5	528.6	532.3	528.6	530.5	530.5	524.7	517.2	511.6	492.5
72.5°	439.5	437.7	445.2	439.5	445.2	437.7	439.5	437.7	433.8	428.2	409.2
75°	350.5	354.3	350.5	356.2	350.5	354.3	350.5	352.4	350.5	346.6	333.5
77.5°	267.1	270.9	267.1	267.1	267.1	270.9	267.1	269.0	269.0	269.0	257.6
80°	189.5	187.6	187.6	185.7	187.6	187.6	189.5	189.5	191.3	187.6	183.7
82.5°	121.2	119.3	119.3	123.1	119.3	119.3	121.2	123.1	119.3	119.3	119.3
85°	66.3	68.2	64.4	64.4	64.4	68.2	66.3	62.5	66.3	66.3	64.4
87.5°	24.7	22.8	22.8	22.8	22.8	22.8	24.7	26.5	26.5	26.5	28.4
90°	34.0	34.0	34.0	34.0	34.0	34.0	34.0	45.3	60.4	68.0	58.4
92.5°	170.0	163.2	136.1	109.1	136.1	163.2	170.0	240.9	335.5	382.8	336.1
95°	576.9	556.4	474.5	392.6	474.5	556.4	576.9	757.5	998.4	1118.9	945.0
97.5°	1331.8	1292.8	1137.0	981.1	1137.0	1292.8	1331.8	1446.0	1598.2	1674.3	1384.4
100°	1870.2	1823.9	1638.2	1452.5	1638.2	1823.9	1870.2	1861.9	1850.7	1845.2	1523.4
102.5°	2329.9	2290.1	2131.1	1972.1	2131.1	2290.1	2329.9	2184.4	1990.4	1893.5	1567.1
105°	2866.6	2845.2	2759.7	2674.2	2759.7	2845.2	2866.6	2540.4	2105.5	1888.1	1572.0
107.5°	3145.6	3150.8	3171.4	3192.1	3171.4	3150.8	3145.6	2690.7	2084.1	1780.7	1502.1
110°	3217.1	3239.4	3328.4	3417.5	3328.4	3239.4	3217.1	2708.5	2030.4	1691.3	1440.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3171.5	3205.8	3342.5	3479.2	3342.5	3205.8	3171.5	2651.0	1956.9	1609.9	1385.9
115°	3016.8	3064.2	3253.7	3443.4	3253.7	3064.2	3016.8	2515.3	1846.7	1512.4	1323.8
117.5°	2803.0	2855.6	3065.9	3276.2	3065.9	2855.6	2803.0	2350.4	1747.1	1445.4	1285.0
120°	2659.0	2710.1	2914.5	3118.8	2914.5	2710.1	2659.0	2245.5	1694.2	1418.5	1271.9
122.5°	2515.0	2565.4	2767.0	2968.5	2767.0	2565.4	2515.0	2142.7	1646.2	1398.0	1265.0
125°	2324.5	2370.9	2556.5	2742.2	2556.5	2370.9	2324.5	2008.2	1586.5	1375.6	1259.3
127.5°	2171.6	2210.8	2367.3	2524.0	2367.3	2210.8	2171.6	1900.0	1537.8	1356.8	1256.0
130°	2075.0	2111.1	2255.9	2400.5	2255.9	2111.1	2075.0	1833.2	1510.9	1349.7	1258.1
132.5°	1992.7	2025.1	2154.6	2284.3	2154.6	2025.1	1992.7	1776.2	1487.6	1343.4	1259.3
135°	1876.4	1904.4	2016.1	2127.8	2016.1	1904.4	1876.4	1695.2	1453.5	1332.7	1258.1
137.5°	1790.6	1813.4	1904.9	1996.3	1904.9	1813.4	1790.6	1637.3	1433.0	1330.8	1265.8
140°	1721.8	1743.1	1828.5	1914.0	1828.5	1743.1	1721.8	1589.4	1412.9	1324.6	1267.2
142.5°	1673.4	1691.7	1765.3	1838.9	1765.3	1691.7	1673.4	1557.1	1402.2	1324.6	1271.8
145°	1601.0	1614.9	1670.5	1726.2	1670.5	1614.9	1601.0	1505.9	1379.0	1315.6	1271.8
147.5°	1540.1	1551.7	1597.8	1643.9	1597.8	1551.7	1540.1	1465.3	1365.6	1315.6	1280.5
150°	1505.2	1514.6	1552.0	1589.4	1552.0	1514.6	1505.2	1442.0	1357.8	1315.6	1285.1
152.5°	1477.5	1484.6	1512.8	1541.1	1512.8	1484.6	1477.5	1423.6	1351.6	1315.6	1288.0
155°	1444.4	1449.1	1467.7	1486.5	1467.7	1449.1	1444.4	1401.5	1344.2	1315.6	1294.6
157.5°	1415.8	1419.1	1432.3	1445.4	1432.3	1419.1	1415.8	1382.5	1337.9	1315.6	1301.1
160°	1401.5	1403.4	1411.0	1418.5	1411.0	1403.4	1401.5	1372.9	1334.8	1315.6	1304.1
162.5°	1388.1	1389.9	1397.0	1404.2	1397.0	1389.9	1388.1	1363.9	1331.7	1315.6	1307.3
165°	1367.6	1369.5	1376.9	1384.5	1376.9	1369.5	1367.6	1350.3	1327.2	1315.6	1311.8
167.5°	1358.6	1359.3	1362.6	1365.7	1362.6	1359.3	1358.6	1347.3	1332.2	1324.6	1321.5
170°	1358.6	1358.6	1358.6	1358.6	1358.6	1358.6	1358.6	1347.3	1332.2	1324.6	1324.4
172.5°	1351.4	1350.7	1348.0	1345.2	1348.0	1350.7	1351.4	1342.5	1330.6	1324.6	1324.6
175°	1341.6	1341.6	1341.6	1341.6	1341.6	1341.6	1341.6	1335.9	1328.4	1324.6	1326.4
177.5°	1339.8	1339.1	1335.8	1332.7	1335.8	1339.1	1339.8	1335.3	1329.3	1326.4	1327.8
180°	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2002.4	2002.4	2002.4	2002.4	2002.4
2.5°	1977.9	1987.3	1993.0	2000.5	2019.6
5°	1902.1	1938.1	1949.4	1977.9	2011.9
7.5°	1735.3	1845.2	1875.6	1943.7	1996.8
10°	1574.3	1684.2	1737.2	1898.2	1977.9
12.5°	1492.9	1557.2	1593.3	1818.7	1951.3
15°	1441.7	1487.2	1513.7	1712.6	1921.0
17.5°	1401.9	1434.1	1453.0	1608.4	1879.3
20°	1377.3	1392.4	1409.5	1532.7	1832.0
22.5°	1360.2	1350.7	1364.0	1479.6	1767.5
25°	1348.9	1312.9	1328.1	1437.9	1691.7
27.5°	1358.4	1278.7	1284.5	1400.1	1612.2
30°	1360.2	1237.1	1239.0	1360.2	1523.2
32.5°	1347.0	1193.6	1195.4	1311.0	1422.7
35°	1314.8	1142.3	1140.5	1254.2	1286.4
37.5°	1271.2	1087.4	1087.4	1191.7	1136.7
40°	1218.1	1032.5	1038.2	1110.2	1004.1
42.5°	1153.7	973.8	981.3	1002.2	905.5
45°	1083.6	916.9	922.6	846.8	829.8
47.5°	1006.0	858.2	860.1	702.9	805.1
50°	913.2	797.6	790.0	602.5	803.2
52.5°	831.7	731.2	708.5	545.6	729.3
55°	752.1	661.2	611.9	502.0	676.4
57.5°	682.0	570.3	522.8	450.8	665.0
60°	617.6	481.2	445.2	396.0	610.0
62.5°	564.5	414.9	407.4	358.0	553.1
65°	507.7	369.4	367.5	325.8	469.9
67.5°	452.8	339.1	337.2	295.5	358.0
70°	394.1	306.9	303.1	263.4	265.2
72.5°	333.5	270.9	267.1	236.8	219.8
75°	272.8	229.2	227.3	206.5	178.1
77.5°	214.0	181.8	185.7	166.7	130.7
80°	153.4	132.6	136.4	119.3	98.5
82.5°	102.3	87.2	90.9	75.8	66.3
85°	56.9	49.2	51.1	39.8	30.3
87.5°	26.5	22.8	22.8	15.2	9.5
90°	39.4	25.0	23.2	16.2	9.0
92.5°	242.7	172.7	157.5	96.6	35.8
95°	597.2	336.3	308.5	197.1	85.8
97.5°	804.4	369.4	344.8	246.6	148.5
100°	879.8	397.1	374.8	285.8	196.7
102.5°	914.4	424.8	404.1	321.0	237.9
105°	940.0	466.0	448.4	378.0	307.6
107.5°	944.7	526.8	510.4	444.8	379.2
110°	937.6	560.8	546.0	486.8	427.5



TEST NUMBER: P936011

CATALOG NUMBER: SQ4-FA-150U-100D-830-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	937.9	601.9	587.7	531.3	474.9
115°	946.5	663.7	650.7	598.6	546.4
117.5°	964.2	723.6	711.7	664.4	617.1
120°	978.5	758.5	747.4	702.9	658.3
122.5°	999.0	799.6	788.4	743.5	698.5
125°	1026.7	852.4	842.1	801.1	760.2
127.5°	1054.5	903.3	893.0	851.6	810.3
130°	1074.8	937.4	926.3	881.7	837.2
132.5°	1091.2	965.1	954.0	909.4	864.9
135°	1109.1	997.3	987.2	946.5	906.0
137.5°	1135.9	1038.4	1028.4	988.2	948.1
140°	1152.3	1066.1	1056.9	1020.0	983.0
142.5°	1166.0	1086.7	1078.2	1044.0	1009.7
145°	1183.9	1118.0	1110.6	1080.8	1050.9
147.5°	1210.1	1157.3	1150.1	1121.1	1092.0
150°	1223.8	1177.9	1171.3	1145.1	1118.9
152.5°	1232.8	1191.4	1186.4	1166.5	1146.6
155°	1252.5	1220.8	1217.2	1202.5	1187.7
157.5°	1272.1	1250.4	1246.8	1232.5	1218.1
160°	1281.0	1263.7	1261.0	1249.9	1238.8
162.5°	1290.6	1278.1	1276.0	1267.7	1259.3
165°	1304.3	1298.6	1296.7	1289.3	1281.7
167.5°	1315.1	1310.3	1309.4	1305.8	1302.3
170°	1324.0	1323.7	1322.8	1319.2	1315.6
172.5°	1324.6	1324.6	1324.4	1323.6	1322.8
175°	1330.0	1332.7	1332.7	1332.7	1332.7
177.5°	1330.6	1332.7	1332.7	1332.7	1332.7
180°	1332.7	1332.7	1332.7	1332.7	1332.7



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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	12.27	13.03	13.33	14.09	15.53	15.10	15.86	16.16	16.92	18.36
	3H	12.74	13.42	13.81	14.49	15.95	16.43	17.11	17.50	18.18	19.64
	4H	12.93	13.57	14.01	14.65	16.11	16.87	17.52	17.95	18.59	20.05
	6H	13.04	13.64	14.13	14.71	16.19	17.15	17.74	18.24	18.82	20.29
	8H	13.04	13.61	14.13	14.70	16.17	17.22	17.79	18.31	18.88	20.35
	12H	13.01	13.55	14.11	14.63	16.12	17.26	17.79	18.35	18.88	20.37
4H	2H	13.29	13.94	14.38	15.01	16.47	15.50	16.14	16.58	17.21	18.67
	3H	14.31	14.85	15.40	15.95	17.42	16.99	17.53	18.08	18.63	20.10
	4H	14.58	15.07	15.68	16.16	17.66	17.51	18.01	18.61	19.09	20.59
	6H	14.70	15.12	15.81	16.24	17.73	17.87	18.29	18.98	19.40	20.90
	8H	14.70	15.10	15.81	16.20	17.71	17.97	18.37	19.08	19.47	20.98
	12H	14.67	15.02	15.79	16.14	17.65	18.02	18.38	19.15	19.50	21.01
8H	4H	15.03	15.42	16.13	16.52	18.03	17.63	18.02	18.73	19.13	20.63
	6H	15.28	15.61	16.41	16.76	18.26	18.06	18.39	19.19	19.53	21.03
	8H	15.33	15.61	16.46	16.74	18.26	18.21	18.49	19.34	19.62	21.15
	12H	15.30	15.56	16.44	16.68	18.24	18.30	18.55	19.44	19.68	21.24
12H	4H	15.03	15.38	16.15	16.50	18.01	17.59	17.95	18.71	19.06	20.57
	6H	15.34	15.63	16.48	16.76	18.28	18.06	18.34	19.19	19.47	20.99
	8H	15.40	15.66	16.54	16.78	18.34	18.21	18.46	19.35	19.59	21.15