

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: P936107

Luminaire Tested: SQ4-FA-150U-100D-B50-1D-UNV-STD-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936107
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-B50-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

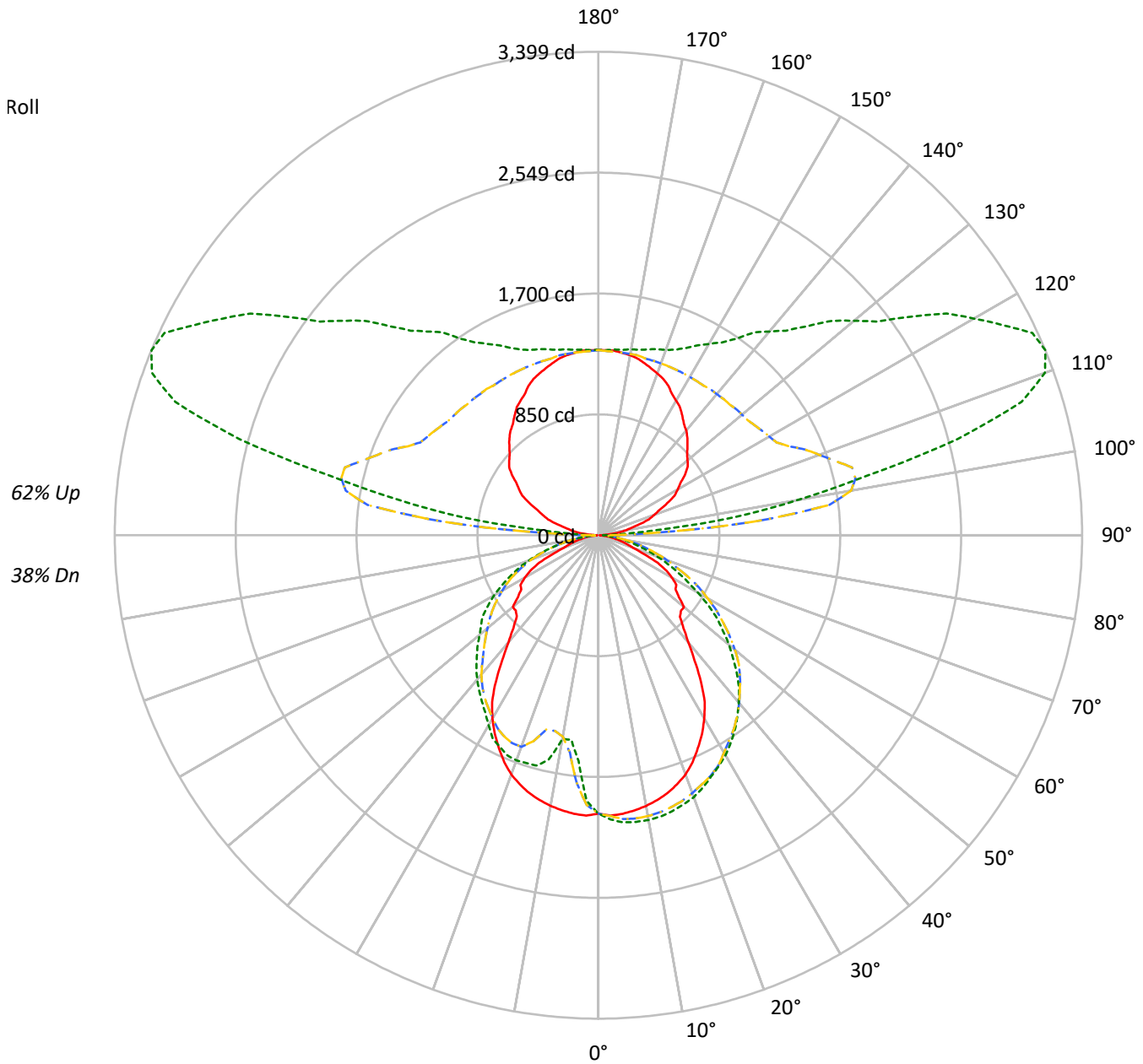
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13517.8 lumens
Efficiency: N/A
Efficacy: 124.5 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				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	104	104	104	104	94	94	94	94	76	76	76	60	60	60	45	45	45	38				38
1	95	91	87	84	86	83	79	76	67	65	63	53	51	50	40	39	38	32				32
2	87	79	73	68	78	72	67	63	59	55	52	46	44	42	35	33	32	27				27
3	79	70	62	57	71	63	57	52	52	47	44	41	38	35	31	29	27	23				23
4	72	62	54	48	65	56	49	44	46	41	37	36	33	30	28	25	23	19				19
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17				17
6	61	49	41	35	55	45	38	33	37	32	28	29	26	23	22	20	18	15				15
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	20	18	16	13				13
8	52	40	32	27	47	37	30	25	30	25	21	24	21	18	19	16	14	12				12
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13	10				10
10	45	33	26	21	41	31	24	20	25	21	17	21	17	14	16	13	11	9				9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12103	12103	12103	12103
5°	12188	12217	12188	9606
10°	12103	12034	12103	8603
15°	11966	11773	11966	9831
20°	11712	11465	11712	9852
25°	11194	11014	11194	9643
30°	10528	10640	10528	9185
35°	9382	10167	9382	8681
40°	7813	9610	7813	8301
45°	6976	8958	6976	7862
50°	7405	8180	7405	7423
55°	6961	7343	6961	7169
60°	7167	6236	7167	6566
65°	6488	5155	6488	5763
70°	4481	4108	4481	4831
75°	3915	3037	3915	3637
80°	3131	2008	3131	2186
85°	1765	1064	1765	905

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10699 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.6	1.3
10°-20°	501.4	3.7
20°-30°	775.1	5.7
30°-40°	925.3	6.8
40°-50°	930.7	6.9
50°-60°	809.8	6.0
60°-70°	574.2	4.2
70°-80°	303.8	2.2
80°-90°	80.6	0.6
90°-100°	634.7	4.7
100°-110°	1668.5	12.3
110°-120°	1730.1	12.8
120°-130°	1387.7	10.3
130°-140°	1088.9	8.1
140°-150°	835.8	6.2
150°-160°	601.9	4.5
160°-170°	368.3	2.7
170°-180°	124.4	0.9
0°-30°	1453.1	10.7
0°-40°	2378.4	17.6
0°-60°	4118.9	30.5
0°-90°	5077.5	37.6
90°-120°	4033.3	29.8
90°-150°	7345.7	54.3
90°-180°	8440.0	62.4
0°-180°	13517.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1956	1956	1956	1956	1956	
5°	1966	2027	1966	1594	1966	186
15°	1877	2008	1877	1677	1877	528
25°	1653	1873	1653	1640	1653	759
35°	1257	1671	1257	1427	1257	778
45°	811	1377	811	1209	811	649
55°	661	1016	661	992	661	607
65°	459	613	459	685	459	439
75°	174	291	174	348	174	183
85°	30	74	30	63	30	40
90°	9	33	9	33	9	8
95°	84	384	84	384	84	93
105°	301	2613	301	2613	301	319
115°	534	3364	534	3364	534	527
125°	743	2679	743	2679	743	659
135°	885	2079	885	2079	885	685
145°	1027	1686	1027	1686	1027	643
155°	1160	1452	1160	1452	1160	533
165°	1252	1353	1252	1353	1252	353
175°	1302	1311	1302	1311	1302	124
180°	1302	1302	1302	1302	1302	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4
2.5°	1973.1	1973.1	1984.2	1987.8	1987.8	1982.3	1976.7	1982.3	1998.9	2004.6	2002.7
5°	1965.6	1980.5	2000.8	2004.6	2008.2	2006.3	2002.7	2006.3	2024.8	2028.6	2030.4
7.5°	1950.8	1978.6	2004.6	2010.1	2015.6	2010.1	2008.2	2011.9	2030.4	2034.2	2034.2
10°	1932.4	1971.2	2000.8	2004.6	2010.1	2004.6	2004.6	2011.9	2030.4	2034.2	2035.9
12.5°	1906.4	1960.1	1987.8	1991.6	1998.9	1997.1	1995.2	2002.7	2021.2	2024.8	2024.8
15°	1876.8	1939.7	1965.6	1969.3	1982.3	1978.6	1978.6	1986.0	2006.3	2011.9	2010.1
17.5°	1836.1	1913.8	1943.5	1949.0	1958.2	1956.4	1958.2	1965.6	1984.2	1987.8	1989.7
20°	1789.8	1878.6	1913.8	1919.4	1928.6	1928.6	1928.6	1937.9	1956.4	1963.8	1963.8
22.5°	1726.9	1841.7	1878.6	1882.4	1893.5	1893.5	1897.1	1910.1	1926.7	1928.6	1928.6
25°	1652.8	1800.9	1832.4	1843.4	1854.6	1860.2	1865.7	1873.1	1878.6	1876.8	1878.6
27.5°	1575.1	1749.1	1789.8	1797.2	1812.1	1817.6	1824.9	1826.8	1828.7	1834.2	1830.5
30°	1488.1	1676.9	1738.0	1745.4	1769.5	1773.1	1765.7	1769.5	1778.7	1782.4	1786.1
32.5°	1390.0	1569.6	1684.3	1701.0	1723.1	1712.0	1710.2	1715.8	1730.6	1730.6	1734.3
35°	1256.8	1486.3	1634.3	1649.2	1665.8	1652.8	1660.3	1662.1	1671.3	1676.9	1675.0
37.5°	1110.5	1414.1	1582.5	1593.6	1606.6	1589.9	1601.0	1606.6	1614.0	1610.3	1610.3
40°	981.0	1301.2	1521.4	1528.9	1540.0	1527.0	1538.1	1541.8	1545.5	1541.8	1540.0
42.5°	884.7	1177.1	1456.7	1465.9	1458.5	1467.8	1471.4	1478.9	1473.3	1465.9	1465.9
45°	810.7	1143.9	1386.3	1397.5	1386.3	1401.1	1406.7	1406.7	1390.0	1386.3	1384.5
47.5°	786.6	1077.2	1316.0	1316.0	1310.4	1328.9	1338.1	1325.3	1308.5	1303.0	1303.0
50°	784.7	1003.2	1219.7	1212.3	1238.2	1260.4	1251.2	1238.2	1225.3	1205.0	1205.0
52.5°	712.5	912.5	1095.7	1123.5	1164.2	1177.1	1162.4	1149.4	1127.2	1117.9	1110.5
55°	660.8	818.1	982.8	1038.3	1080.9	1097.5	1069.8	1056.8	1023.6	1018.0	1014.3
57.5°	649.7	681.2	879.2	949.5	1001.3	999.5	982.8	958.8	931.0	925.4	923.6
60°	596.0	492.3	768.1	851.4	905.0	899.5	884.7	862.5	836.6	832.9	829.2
62.5°	540.4	357.3	642.2	736.6	812.6	810.7	797.7	764.4	745.9	736.6	729.3
65°	459.1	299.8	457.2	612.6	721.9	725.5	697.8	673.7	653.3	642.2	640.4
67.5°	349.8	244.3	309.1	510.8	634.8	631.2	596.0	584.9	559.0	553.4	542.3
70°	259.1	162.9	214.7	414.6	549.8	540.4	512.7	499.8	475.7	462.7	455.3
72.5°	214.7	131.4	157.3	322.0	462.7	451.6	427.6	412.7	392.4	381.3	373.9
75°	174.0	138.8	120.3	238.7	375.7	368.4	346.1	331.3	314.7	299.8	301.7
77.5°	127.7	129.5	96.2	175.9	297.9	286.9	273.9	255.4	248.0	233.2	233.2
80°	96.2	101.8	72.2	120.3	214.7	214.7	203.6	190.6	177.6	170.3	170.3
82.5°	64.8	64.8	53.7	75.8	146.3	140.7	133.3	129.5	122.2	118.4	118.4
85°	29.6	37.0	33.3	46.2	79.6	83.3	83.3	79.6	77.7	74.1	75.8
87.5°	9.2	16.6	20.4	25.9	40.7	42.6	44.5	44.5	44.5	46.2	46.2
90°	8.8	15.8	22.7	24.5	38.5	57.1	66.4	59.0	44.3	33.3	33.3
92.5°	34.9	94.3	153.8	168.7	237.1	328.4	374.0	327.7	235.4	166.1	159.4
95°	83.9	192.6	301.4	328.6	583.5	923.3	1093.2	975.5	740.1	563.6	543.6
97.5°	145.1	241.0	336.9	360.9	785.9	1352.5	1635.8	1561.5	1412.7	1301.2	1263.0
100°	192.2	279.3	366.2	388.0	859.6	1488.3	1802.7	1808.1	1819.1	1827.2	1781.9
102.5°	232.5	313.6	394.8	415.1	893.4	1531.0	1849.9	1944.6	2134.1	2276.3	2237.4
105°	300.6	369.3	438.0	455.2	918.4	1535.9	1844.6	2057.0	2481.9	2800.6	2779.7
107.5°	370.5	434.6	498.7	514.6	923.0	1467.5	1739.8	2036.1	2628.7	3073.2	3078.3
110°	417.7	475.6	533.4	547.9	916.1	1406.9	1652.3	1983.6	2646.2	3143.1	3164.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	464.0	519.1	574.2	588.0	916.3	1354.0	1572.9	1911.9	2590.0	3098.5	3132.0
115°	533.9	584.8	635.7	648.4	924.8	1293.3	1477.6	1804.2	2457.4	2947.3	2993.7
117.5°	602.9	649.1	695.4	706.9	942.0	1255.4	1412.1	1706.9	2296.3	2738.5	2789.9
120°	643.2	686.7	730.2	741.0	955.9	1242.6	1385.9	1655.2	2193.9	2597.8	2647.7
122.5°	682.5	726.4	770.3	781.2	976.0	1235.9	1365.8	1608.3	2093.4	2457.2	2506.4
125°	742.7	782.7	822.8	832.8	1003.1	1230.4	1343.9	1550.0	1962.0	2271.0	2316.3
127.5°	791.7	832.0	872.4	882.5	1030.2	1227.1	1325.5	1502.4	1856.2	2121.6	2159.9
130°	817.9	861.4	905.0	915.8	1050.1	1229.1	1318.6	1476.1	1791.0	2027.2	2062.6
132.5°	845.0	888.5	932.0	942.9	1066.1	1230.4	1312.5	1453.4	1735.4	1946.8	1978.5
135°	885.2	924.8	964.4	974.3	1083.5	1229.1	1302.0	1420.1	1656.2	1833.3	1860.5
137.5°	926.2	965.5	1004.7	1014.5	1109.8	1236.7	1300.2	1400.1	1599.7	1749.4	1771.7
140°	960.3	996.5	1032.5	1041.6	1125.8	1238.0	1294.2	1380.4	1552.8	1682.1	1703.0
142.5°	986.5	1019.9	1053.4	1061.7	1139.2	1242.5	1294.2	1369.9	1521.3	1634.9	1652.8
145°	1026.7	1055.9	1085.0	1092.3	1156.7	1242.5	1285.4	1347.3	1471.2	1564.2	1577.7
147.5°	1066.9	1095.3	1123.6	1130.7	1182.3	1251.0	1285.4	1334.1	1431.5	1504.7	1516.0
150°	1093.2	1118.7	1144.3	1150.8	1195.6	1255.5	1285.4	1326.6	1408.8	1470.6	1479.7
152.5°	1120.2	1139.7	1159.1	1164.0	1204.4	1258.4	1285.4	1320.5	1390.8	1443.5	1450.4
155°	1160.4	1174.8	1189.2	1192.7	1223.6	1264.8	1285.4	1313.3	1369.2	1411.2	1415.8
157.5°	1190.1	1204.1	1218.1	1221.6	1242.9	1271.2	1285.4	1307.1	1350.7	1383.3	1386.4
160°	1210.3	1221.1	1231.9	1234.7	1251.6	1274.1	1285.4	1304.1	1341.3	1369.2	1371.1
162.5°	1230.4	1238.5	1246.6	1248.7	1260.9	1277.2	1285.4	1301.1	1332.5	1356.2	1357.9
165°	1252.2	1259.6	1266.9	1268.7	1274.3	1281.6	1285.4	1296.7	1319.2	1336.1	1338.0
167.5°	1272.3	1275.8	1279.3	1280.1	1284.8	1291.1	1294.2	1301.5	1316.3	1327.3	1328.1
170°	1285.4	1288.8	1292.4	1293.2	1293.5	1294.0	1294.2	1301.5	1316.3	1327.3	1327.3
172.5°	1292.4	1293.1	1294.0	1294.2	1294.2	1294.2	1294.2	1299.9	1311.6	1320.3	1319.6
175°	1302.0	1302.0	1302.0	1302.0	1299.4	1295.9	1294.2	1297.8	1305.2	1310.7	1310.7
177.5°	1302.0	1302.0	1302.0	1302.0	1299.9	1297.2	1295.8	1298.7	1304.6	1309.0	1308.3
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4
2.5°	2006.3	2000.8	2006.3	2002.7	2004.6	1998.9	1982.3	1976.7	1982.3	1987.8	1987.8
5°	2030.4	2026.7	2030.4	2030.4	2028.6	2024.8	2006.3	2002.7	2006.3	2008.2	2004.6
7.5°	2037.8	2032.3	2037.8	2034.2	2034.2	2030.4	2011.9	2008.2	2010.1	2015.6	2010.1
10°	2037.8	2032.3	2037.8	2035.9	2034.2	2030.4	2011.9	2004.6	2004.6	2010.1	2004.6
12.5°	2028.6	2024.8	2028.6	2024.8	2024.8	2021.2	2002.7	1995.2	1997.1	1998.9	1991.6
15°	2013.8	2008.2	2013.8	2010.1	2011.9	2006.3	1986.0	1978.6	1978.6	1982.3	1969.3
17.5°	1991.6	1984.2	1991.6	1989.7	1987.8	1984.2	1965.6	1958.2	1956.4	1958.2	1949.0
20°	1965.6	1960.1	1965.6	1963.8	1963.8	1956.4	1937.9	1928.6	1928.6	1928.6	1919.4
22.5°	1924.9	1919.4	1924.9	1928.6	1928.6	1926.7	1910.1	1897.1	1893.5	1893.5	1882.4
25°	1878.6	1873.1	1878.6	1878.6	1876.8	1878.6	1873.1	1865.7	1860.2	1854.6	1843.4
27.5°	1834.2	1830.5	1834.2	1830.5	1834.2	1828.7	1826.8	1824.9	1817.6	1812.1	1797.2
30°	1789.8	1786.1	1789.8	1786.1	1782.4	1778.7	1769.5	1765.7	1773.1	1769.5	1745.4
32.5°	1734.3	1730.6	1734.3	1734.3	1730.6	1730.6	1715.8	1710.2	1712.0	1723.1	1701.0
35°	1676.9	1671.3	1676.9	1675.0	1676.9	1671.3	1662.1	1660.3	1652.8	1665.8	1649.2
37.5°	1610.3	1604.7	1610.3	1610.3	1610.3	1614.0	1606.6	1601.0	1589.9	1606.6	1593.6
40°	1541.8	1534.4	1541.8	1540.0	1541.8	1545.5	1541.8	1538.1	1527.0	1540.0	1528.9
42.5°	1464.0	1462.2	1464.0	1465.9	1465.9	1473.3	1478.9	1471.4	1467.8	1458.5	1465.9
45°	1380.7	1377.1	1380.7	1384.5	1386.3	1390.0	1406.7	1406.7	1401.1	1386.3	1397.5
47.5°	1291.9	1282.7	1291.9	1303.0	1303.0	1308.5	1325.3	1338.1	1328.9	1310.4	1316.0
50°	1197.5	1199.3	1197.5	1205.0	1205.0	1225.3	1238.2	1251.2	1260.4	1238.2	1212.3
52.5°	1105.0	1103.1	1105.0	1110.5	1117.9	1127.2	1149.4	1162.4	1177.1	1164.2	1123.5
55°	1012.5	1016.1	1012.5	1014.3	1018.0	1023.6	1056.8	1069.8	1097.5	1080.9	1038.3
57.5°	919.9	914.3	919.9	923.6	925.4	931.0	958.8	982.8	999.5	1001.3	949.5
60°	812.6	805.1	812.6	829.2	832.9	836.6	862.5	884.7	899.5	905.0	851.4
62.5°	718.2	705.2	718.2	729.3	736.6	745.9	764.4	797.7	810.7	812.6	736.6
65°	618.2	612.6	618.2	640.4	642.2	653.3	673.7	697.8	725.5	721.9	612.6
67.5°	527.5	527.5	527.5	542.3	553.4	559.0	584.9	596.0	631.2	634.8	510.8
70°	444.2	442.3	444.2	455.3	462.7	475.7	499.8	512.7	540.4	549.8	414.6
72.5°	364.6	362.8	364.6	373.9	381.3	392.4	412.7	427.6	451.6	462.7	322.0
75°	294.3	290.6	294.3	301.7	299.8	314.7	331.3	346.1	368.4	375.7	238.7
77.5°	225.8	225.8	225.8	233.2	233.2	248.0	255.4	273.9	286.9	297.9	175.9
80°	168.4	166.6	168.4	170.3	170.3	177.6	190.6	203.6	214.7	214.7	120.3
82.5°	118.4	114.8	118.4	118.4	118.4	122.2	129.5	133.3	140.7	146.3	75.8
85°	74.1	74.1	74.1	75.8	74.1	77.7	79.6	83.3	83.3	79.6	46.2
87.5°	48.1	46.2	48.1	46.2	46.2	44.5	44.5	44.5	42.6	40.7	25.9
90°	33.3	33.3	33.3	33.3	33.3	44.3	59.0	66.4	57.1	38.5	24.5
92.5°	133.0	106.6	133.0	159.4	166.1	235.4	327.7	374.0	328.4	237.1	168.7
95°	463.5	383.6	463.5	543.6	563.6	740.1	975.5	1093.2	923.3	583.5	328.6
97.5°	1110.8	958.6	1110.8	1263.0	1301.2	1412.7	1561.5	1635.8	1352.5	785.9	360.9
100°	1600.5	1419.1	1600.5	1781.9	1827.2	1819.1	1808.1	1802.7	1488.3	859.6	388.0
102.5°	2082.1	1926.7	2082.1	2237.4	2276.3	2134.1	1944.6	1849.9	1531.0	893.4	415.1
105°	2696.2	2612.7	2696.2	2779.7	2800.6	2481.9	2057.0	1844.6	1535.9	918.4	455.2
107.5°	3098.5	3118.6	3098.5	3078.3	3073.2	2628.7	2036.1	1739.8	1467.5	923.0	514.6
110°	3251.8	3338.9	3251.8	3164.9	3143.1	2646.2	1983.6	1652.3	1406.9	916.1	547.9



TEST NUMBER: P936107

CATALOG NUMBER: SQ4-FA-150U-100D-B50-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3265.5	3399.1	3265.5	3132.0	3098.5	2590.0	1911.9	1572.9	1354.0	916.3	588.0
115°	3178.9	3364.2	3178.9	2993.7	2947.3	2457.4	1804.2	1477.6	1293.3	924.8	648.4
117.5°	2995.3	3200.8	2995.3	2789.9	2738.5	2296.3	1706.9	1412.1	1255.4	942.0	706.9
120°	2847.4	3047.0	2847.4	2647.7	2597.8	2193.9	1655.2	1385.9	1242.6	955.9	741.0
122.5°	2703.3	2900.2	2703.3	2506.4	2457.2	2093.4	1608.3	1365.8	1235.9	976.0	781.2
125°	2497.7	2679.1	2497.7	2316.3	2271.0	1962.0	1550.0	1343.9	1230.4	1003.1	832.8
127.5°	2312.9	2465.9	2312.9	2159.9	2121.6	1856.2	1502.4	1325.5	1227.1	1030.2	882.5
130°	2204.0	2345.3	2204.0	2062.6	2027.2	1791.0	1476.1	1318.6	1229.1	1050.1	915.8
132.5°	2105.0	2231.7	2105.0	1978.5	1946.8	1735.4	1453.4	1312.5	1230.4	1066.1	942.9
135°	1969.7	2078.8	1969.7	1860.5	1833.3	1656.2	1420.1	1302.0	1229.1	1083.5	974.3
137.5°	1861.1	1950.4	1861.1	1771.7	1749.4	1599.7	1400.1	1300.2	1236.7	1109.8	1014.5
140°	1786.5	1870.0	1786.5	1703.0	1682.1	1552.8	1380.4	1294.2	1238.0	1125.8	1041.6
142.5°	1724.7	1796.5	1724.7	1652.8	1634.9	1521.3	1369.9	1294.2	1242.5	1139.2	1061.7
145°	1632.1	1686.4	1632.1	1577.7	1564.2	1471.2	1347.3	1285.4	1242.5	1156.7	1092.3
147.5°	1561.0	1606.1	1561.0	1516.0	1504.7	1431.5	1334.1	1285.4	1251.0	1182.3	1130.7
150°	1516.3	1552.8	1516.3	1479.7	1470.6	1408.8	1326.6	1285.4	1255.5	1195.6	1150.8
152.5°	1478.0	1505.6	1478.0	1450.4	1443.5	1390.8	1320.5	1285.4	1258.4	1204.4	1164.0
155°	1434.0	1452.3	1434.0	1415.8	1411.2	1369.2	1313.3	1285.4	1264.8	1223.6	1192.7
157.5°	1399.3	1412.1	1399.3	1386.4	1383.3	1350.7	1307.1	1285.4	1271.2	1242.9	1221.6
160°	1378.5	1385.9	1378.5	1371.1	1369.2	1341.3	1304.1	1285.4	1274.1	1251.6	1234.7
162.5°	1364.9	1371.9	1364.9	1357.9	1356.2	1332.5	1301.1	1285.4	1277.2	1260.9	1248.7
165°	1345.2	1352.6	1345.2	1338.0	1336.1	1319.2	1296.7	1285.4	1281.6	1274.3	1268.7
167.5°	1331.2	1334.3	1331.2	1328.1	1327.3	1316.3	1301.5	1294.2	1291.1	1284.8	1280.1
170°	1327.3	1327.3	1327.3	1327.3	1327.3	1316.3	1301.5	1294.2	1294.0	1293.5	1293.2
172.5°	1316.9	1314.2	1316.9	1319.6	1320.3	1311.6	1299.9	1294.2	1294.2	1294.2	1294.2
175°	1310.7	1310.7	1310.7	1310.7	1310.7	1305.2	1297.8	1294.2	1295.9	1299.4	1302.0
177.5°	1305.1	1302.0	1305.1	1308.3	1309.0	1304.6	1298.7	1295.8	1297.2	1299.9	1302.0
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4
2.5°	1984.2	1973.1	1973.1	1954.5	1947.1	1941.6	1932.4	1904.5	1897.1	1889.8	1900.9
5°	2000.8	1980.5	1965.6	1932.4	1904.5	1893.5	1858.3	1791.7	1747.2	1713.9	1695.4
7.5°	2004.6	1978.6	1950.8	1899.0	1832.4	1802.7	1695.4	1573.2	1540.0	1510.3	1491.8
10°	2000.8	1971.2	1932.4	1854.6	1697.3	1645.4	1538.1	1458.5	1438.2	1432.6	1438.2
12.5°	1987.8	1960.1	1906.4	1776.8	1556.6	1521.4	1458.5	1412.2	1408.6	1417.8	1467.8
15°	1965.6	1939.7	1876.8	1673.2	1478.9	1452.9	1408.6	1391.8	1412.2	1477.0	1626.9
17.5°	1943.5	1913.8	1836.1	1571.4	1419.6	1401.1	1369.6	1403.0	1517.8	1604.7	1654.7
20°	1913.8	1878.6	1789.8	1497.4	1377.1	1360.4	1345.6	1495.5	1582.5	1614.0	1641.7
22.5°	1878.6	1841.7	1726.9	1445.6	1332.6	1319.6	1328.9	1547.4	1582.5	1604.7	1628.8
25°	1832.4	1800.9	1652.8	1404.8	1297.5	1282.7	1317.9	1541.8	1562.1	1567.7	1615.8
27.5°	1789.8	1749.1	1575.1	1367.8	1254.9	1249.3	1327.1	1517.8	1532.5	1538.1	1589.9
30°	1738.0	1676.9	1488.1	1328.9	1210.5	1208.6	1328.9	1488.1	1484.4	1499.3	1551.0
32.5°	1684.3	1569.6	1390.0	1280.8	1167.9	1166.1	1316.0	1443.7	1439.9	1460.3	1499.3
35°	1634.3	1486.3	1256.8	1225.3	1114.3	1116.0	1284.5	1391.8	1393.7	1412.2	1436.3
37.5°	1582.5	1414.1	1110.5	1164.2	1062.4	1062.4	1241.9	1343.7	1340.0	1345.6	1378.9
40°	1521.4	1301.2	981.0	1084.7	1014.3	1008.7	1190.1	1291.9	1278.9	1277.2	1323.4
42.5°	1456.7	1177.1	884.7	979.1	958.8	951.4	1127.2	1229.0	1205.0	1210.5	1269.7
45°	1386.3	1143.9	810.7	827.3	901.4	895.8	1058.7	1156.8	1140.1	1155.0	1216.1
47.5°	1316.0	1077.2	786.6	686.7	840.3	838.5	982.8	1086.4	1077.2	1092.0	1156.8
50°	1219.7	1003.2	784.7	588.6	771.9	779.2	892.2	1018.0	1018.0	1030.9	1099.4
52.5°	1095.7	912.5	712.5	533.0	692.2	714.4	812.6	958.8	962.5	975.4	1036.5
55°	982.8	818.1	660.8	490.4	597.9	646.0	734.8	897.7	905.0	918.0	973.6
57.5°	879.2	681.2	649.7	440.5	510.8	557.1	666.3	838.5	842.2	853.3	906.9
60°	768.1	492.3	596.0	386.9	435.0	470.1	603.4	768.1	781.1	788.5	834.7
62.5°	642.2	357.3	540.4	349.8	398.0	405.4	551.5	701.5	718.2	723.7	751.5
65°	457.2	299.8	459.1	318.3	359.0	360.9	496.0	633.0	647.8	657.1	677.4
67.5°	309.1	244.3	349.8	288.7	329.4	331.3	442.3	553.4	573.8	581.1	594.1
70°	214.7	162.9	259.1	257.3	296.2	299.8	385.0	481.2	499.8	505.3	512.7
72.5°	157.3	131.4	214.7	231.4	261.0	264.7	325.8	399.8	418.3	423.8	427.6
75°	120.3	138.8	174.0	201.7	222.1	224.0	266.6	325.8	338.7	342.4	344.3
77.5°	96.2	129.5	127.7	162.9	181.4	177.6	209.1	251.7	262.8	262.8	262.8
80°	72.2	101.8	96.2	116.6	133.3	129.5	149.9	179.5	183.3	186.9	185.1
82.5°	53.7	64.8	64.8	74.1	88.8	85.2	99.9	116.6	116.6	116.6	120.3
85°	33.3	37.0	29.6	38.9	50.0	48.1	55.6	63.0	64.8	64.8	61.1
87.5°	20.4	16.6	9.2	14.9	22.2	22.2	25.9	27.7	25.9	25.9	25.9
90°	22.7	15.8	8.8	15.8	22.7	24.5	38.5	57.1	66.4	59.0	44.3
92.5°	153.8	94.3	34.9	94.3	153.8	168.7	237.1	328.4	374.0	327.7	235.4
95°	301.4	192.6	83.9	192.6	301.4	328.6	583.5	923.3	1093.2	975.5	740.1
97.5°	336.9	241.0	145.1	241.0	336.9	360.9	785.9	1352.5	1635.8	1561.5	1412.7
100°	366.2	279.3	192.2	279.3	366.2	388.0	859.6	1488.3	1802.7	1808.1	1819.1
102.5°	394.8	313.6	232.5	313.6	394.8	415.1	893.4	1531.0	1849.9	1944.6	2134.1
105°	438.0	369.3	300.6	369.3	438.0	455.2	918.4	1535.9	1844.6	2057.0	2481.9
107.5°	498.7	434.6	370.5	434.6	498.7	514.6	923.0	1467.5	1739.8	2036.1	2628.7
110°	533.4	475.6	417.7	475.6	533.4	547.9	916.1	1406.9	1652.3	1983.6	2646.2



TEST NUMBER: P936107

CATALOG NUMBER: SQ4-FA-150U-100D-B50-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	574.2	519.1	464.0	519.1	574.2	588.0	916.3	1354.0	1572.9	1911.9	2590.0
115°	635.7	584.8	533.9	584.8	635.7	648.4	924.8	1293.3	1477.6	1804.2	2457.4
117.5°	695.4	649.1	602.9	649.1	695.4	706.9	942.0	1255.4	1412.1	1706.9	2296.3
120°	730.2	686.7	643.2	686.7	730.2	741.0	955.9	1242.6	1385.9	1655.2	2193.9
122.5°	770.3	726.4	682.5	726.4	770.3	781.2	976.0	1235.9	1365.8	1608.3	2093.4
125°	822.8	782.7	742.7	782.7	822.8	832.8	1003.1	1230.4	1343.9	1550.0	1962.0
127.5°	872.4	832.0	791.7	832.0	872.4	882.5	1030.2	1227.1	1325.5	1502.4	1856.2
130°	905.0	861.4	817.9	861.4	905.0	915.8	1050.1	1229.1	1318.6	1476.1	1791.0
132.5°	932.0	888.5	845.0	888.5	932.0	942.9	1066.1	1230.4	1312.5	1453.4	1735.4
135°	964.4	924.8	885.2	924.8	964.4	974.3	1083.5	1229.1	1302.0	1420.1	1656.2
137.5°	1004.7	965.5	926.2	965.5	1004.7	1014.5	1109.8	1236.7	1300.2	1400.1	1599.7
140°	1032.5	996.5	960.3	996.5	1032.5	1041.6	1125.8	1238.0	1294.2	1380.4	1552.8
142.5°	1053.4	1019.9	986.5	1019.9	1053.4	1061.7	1139.2	1242.5	1294.2	1369.9	1521.3
145°	1085.0	1055.9	1026.7	1055.9	1085.0	1092.3	1156.7	1242.5	1285.4	1347.3	1471.2
147.5°	1123.6	1095.3	1066.9	1095.3	1123.6	1130.7	1182.3	1251.0	1285.4	1334.1	1431.5
150°	1144.3	1118.7	1093.2	1118.7	1144.3	1150.8	1195.6	1255.5	1285.4	1326.6	1408.8
152.5°	1159.1	1139.7	1120.2	1139.7	1159.1	1164.0	1204.4	1258.4	1285.4	1320.5	1390.8
155°	1189.2	1174.8	1160.4	1174.8	1189.2	1192.7	1223.6	1264.8	1285.4	1313.3	1369.2
157.5°	1218.1	1204.1	1190.1	1204.1	1218.1	1221.6	1242.9	1271.2	1285.4	1307.1	1350.7
160°	1231.9	1221.1	1210.3	1221.1	1231.9	1234.7	1251.6	1274.1	1285.4	1304.1	1341.3
162.5°	1246.6	1238.5	1230.4	1238.5	1246.6	1248.7	1260.9	1277.2	1285.4	1301.1	1332.5
165°	1266.9	1259.6	1252.2	1259.6	1266.9	1268.7	1274.3	1281.6	1285.4	1296.7	1319.2
167.5°	1279.3	1275.8	1272.3	1275.8	1279.3	1280.1	1284.8	1291.1	1294.2	1301.5	1316.3
170°	1292.4	1288.8	1285.4	1288.8	1292.4	1293.2	1293.5	1294.0	1294.2	1301.5	1316.3
172.5°	1294.0	1293.1	1292.4	1293.1	1294.0	1294.2	1294.2	1294.2	1294.2	1299.9	1311.6
175°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1299.4	1295.9	1294.2	1297.8	1305.2
177.5°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1299.9	1297.2	1295.8	1298.7	1304.6
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0



TEST NUMBER: P936107
 CATALOG NUMBER: SQ4-FA-150U-100D-B50-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4
2.5°	1887.9	1882.4	1889.8	1869.4	1889.8	1882.4	1887.9	1900.9	1889.8	1897.1	1904.5
5°	1656.5	1647.3	1617.7	1593.6	1617.7	1647.3	1656.5	1695.4	1713.9	1747.2	1791.7
7.5°	1480.7	1473.3	1465.9	1451.1	1465.9	1473.3	1480.7	1491.8	1510.3	1540.0	1573.2
10°	1441.8	1443.7	1454.8	1452.9	1454.8	1443.7	1441.8	1438.2	1432.6	1438.2	1458.5
12.5°	1541.8	1558.5	1619.6	1615.8	1619.6	1558.5	1541.8	1467.8	1417.8	1408.6	1412.2
15°	1656.5	1662.1	1675.0	1676.9	1675.0	1662.1	1656.5	1626.9	1477.0	1412.2	1391.8
17.5°	1667.7	1669.5	1678.8	1678.8	1678.8	1669.5	1667.7	1654.7	1604.7	1517.8	1403.0
20°	1658.4	1662.1	1680.6	1684.3	1680.6	1662.1	1658.4	1641.7	1614.0	1582.5	1495.5
22.5°	1654.7	1662.1	1676.9	1675.0	1676.9	1662.1	1654.7	1628.8	1604.7	1582.5	1547.4
25°	1636.2	1636.2	1638.0	1639.9	1638.0	1636.2	1636.2	1615.8	1567.7	1562.1	1541.8
27.5°	1597.3	1601.0	1612.1	1610.3	1612.1	1601.0	1597.3	1589.9	1538.1	1532.5	1517.8
30°	1562.1	1558.5	1549.2	1541.8	1549.2	1558.5	1562.1	1551.0	1499.3	1484.4	1488.1
32.5°	1502.9	1493.7	1484.4	1478.9	1484.4	1493.7	1502.9	1499.3	1460.3	1439.9	1443.7
35°	1432.6	1434.4	1432.6	1427.1	1432.6	1434.4	1432.6	1436.3	1412.2	1393.7	1391.8
37.5°	1382.6	1386.3	1384.5	1377.1	1384.5	1386.3	1382.6	1378.9	1345.6	1340.0	1343.7
40°	1330.8	1332.6	1330.8	1325.3	1330.8	1332.6	1330.8	1323.4	1277.2	1278.9	1291.9
42.5°	1280.8	1278.9	1273.4	1269.7	1273.4	1278.9	1280.8	1269.7	1210.5	1205.0	1229.0
45°	1223.4	1225.3	1214.2	1208.6	1214.2	1225.3	1223.4	1216.1	1155.0	1140.1	1156.8
47.5°	1166.1	1166.1	1156.8	1151.2	1156.8	1166.1	1166.1	1156.8	1092.0	1077.2	1086.4
50°	1105.0	1103.1	1090.2	1088.3	1090.2	1103.1	1105.0	1099.4	1030.9	1018.0	1018.0
52.5°	1034.7	1034.7	1036.5	1040.2	1036.5	1034.7	1034.7	1036.5	975.4	962.5	958.8
55°	973.6	975.4	988.4	992.1	988.4	975.4	973.6	973.6	918.0	905.0	897.7
57.5°	910.6	910.6	919.9	919.9	919.9	910.6	910.6	906.9	853.3	842.2	838.5
60°	838.5	842.2	849.6	847.7	849.6	842.2	838.5	834.7	788.5	781.1	768.1
62.5°	762.5	766.3	768.1	764.4	768.1	766.3	762.5	751.5	723.7	718.2	701.5
65°	682.9	686.7	688.5	684.8	688.5	686.7	682.9	677.4	657.1	647.8	633.0
67.5°	601.5	599.7	597.9	605.2	597.9	599.7	601.5	594.1	581.1	573.8	553.4
70°	518.3	518.3	516.4	520.1	516.4	518.3	518.3	512.7	505.3	499.8	481.2
72.5°	429.4	427.6	435.0	429.4	435.0	427.6	429.4	427.6	423.8	418.3	399.8
75°	342.4	346.1	342.4	348.0	342.4	346.1	342.4	344.3	342.4	338.7	325.8
77.5°	261.0	264.7	261.0	261.0	261.0	264.7	261.0	262.8	262.8	262.8	251.7
80°	185.1	183.3	183.3	181.4	183.3	183.3	185.1	185.1	186.9	183.3	179.5
82.5°	118.4	116.6	116.6	120.3	116.6	116.6	118.4	120.3	116.6	116.6	116.6
85°	64.8	66.6	63.0	63.0	63.0	66.6	64.8	61.1	64.8	64.8	63.0
87.5°	24.1	22.2	22.2	22.2	22.2	22.2	24.1	25.9	25.9	25.9	27.7
90°	33.3	33.3	33.3	33.3	33.3	33.3	33.3	44.3	59.0	66.4	57.1
92.5°	166.1	159.4	133.0	106.6	133.0	159.4	166.1	235.4	327.7	374.0	328.4
95°	563.6	543.6	463.5	383.6	463.5	543.6	563.6	740.1	975.5	1093.2	923.3
97.5°	1301.2	1263.0	1110.8	958.6	1110.8	1263.0	1301.2	1412.7	1561.5	1635.8	1352.5
100°	1827.2	1781.9	1600.5	1419.1	1600.5	1781.9	1827.2	1819.1	1808.1	1802.7	1488.3
102.5°	2276.3	2237.4	2082.1	1926.7	2082.1	2237.4	2276.3	2134.1	1944.6	1849.9	1531.0
105°	2800.6	2779.7	2696.2	2612.7	2696.2	2779.7	2800.6	2481.9	2057.0	1844.6	1535.9
107.5°	3073.2	3078.3	3098.5	3118.6	3098.5	3078.3	3073.2	2628.7	2036.1	1739.8	1467.5
110°	3143.1	3164.9	3251.8	3338.9	3251.8	3164.9	3143.1	2646.2	1983.6	1652.3	1406.9



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3098.5	3132.0	3265.5	3399.1	3265.5	3132.0	3098.5	2590.0	1911.9	1572.9	1354.0
115°	2947.3	2993.7	3178.9	3364.2	3178.9	2993.7	2947.3	2457.4	1804.2	1477.6	1293.3
117.5°	2738.5	2789.9	2995.3	3200.8	2995.3	2789.9	2738.5	2296.3	1706.9	1412.1	1255.4
120°	2597.8	2647.7	2847.4	3047.0	2847.4	2647.7	2597.8	2193.9	1655.2	1385.9	1242.6
122.5°	2457.2	2506.4	2703.3	2900.2	2703.3	2506.4	2457.2	2093.4	1608.3	1365.8	1235.9
125°	2271.0	2316.3	2497.7	2679.1	2497.7	2316.3	2271.0	1962.0	1550.0	1343.9	1230.4
127.5°	2121.6	2159.9	2312.9	2465.9	2312.9	2159.9	2121.6	1856.2	1502.4	1325.5	1227.1
130°	2027.2	2062.6	2204.0	2345.3	2204.0	2062.6	2027.2	1791.0	1476.1	1318.6	1229.1
132.5°	1946.8	1978.5	2105.0	2231.7	2105.0	1978.5	1946.8	1735.4	1453.4	1312.5	1230.4
135°	1833.3	1860.5	1969.7	2078.8	1969.7	1860.5	1833.3	1656.2	1420.1	1302.0	1229.1
137.5°	1749.4	1771.7	1861.1	1950.4	1861.1	1771.7	1749.4	1599.7	1400.1	1300.2	1236.7
140°	1682.1	1703.0	1786.5	1870.0	1786.5	1703.0	1682.1	1552.8	1380.4	1294.2	1238.0
142.5°	1634.9	1652.8	1724.7	1796.5	1724.7	1652.8	1634.9	1521.3	1369.9	1294.2	1242.5
145°	1564.2	1577.7	1632.1	1686.4	1632.1	1577.7	1564.2	1471.2	1347.3	1285.4	1242.5
147.5°	1504.7	1516.0	1561.0	1606.1	1561.0	1516.0	1504.7	1431.5	1334.1	1285.4	1251.0
150°	1470.6	1479.7	1516.3	1552.8	1516.3	1479.7	1470.6	1408.8	1326.6	1285.4	1255.5
152.5°	1443.5	1450.4	1478.0	1505.6	1478.0	1450.4	1443.5	1390.8	1320.5	1285.4	1258.4
155°	1411.2	1415.8	1434.0	1452.3	1434.0	1415.8	1411.2	1369.2	1313.3	1285.4	1264.8
157.5°	1383.3	1386.4	1399.3	1412.1	1399.3	1386.4	1383.3	1350.7	1307.1	1285.4	1271.2
160°	1369.2	1371.1	1378.5	1385.9	1378.5	1371.1	1369.2	1341.3	1304.1	1285.4	1274.1
162.5°	1356.2	1357.9	1364.9	1371.9	1364.9	1357.9	1356.2	1332.5	1301.1	1285.4	1277.2
165°	1336.1	1338.0	1345.2	1352.6	1345.2	1338.0	1336.1	1319.2	1296.7	1285.4	1281.6
167.5°	1327.3	1328.1	1331.2	1334.3	1331.2	1328.1	1327.3	1316.3	1301.5	1294.2	1291.1
170°	1327.3	1327.3	1327.3	1327.3	1327.3	1327.3	1327.3	1316.3	1301.5	1294.2	1294.0
172.5°	1320.3	1319.6	1316.9	1314.2	1316.9	1319.6	1320.3	1311.6	1299.9	1294.2	1294.2
175°	1310.7	1310.7	1310.7	1310.7	1310.7	1310.7	1310.7	1305.2	1297.8	1294.2	1295.9
177.5°	1309.0	1308.3	1305.1	1302.0	1305.1	1308.3	1309.0	1304.6	1298.7	1295.8	1297.2
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1956.4	1956.4	1956.4	1956.4	1956.4
2.5°	1932.4	1941.6	1947.1	1954.5	1973.1
5°	1858.3	1893.5	1904.5	1932.4	1965.6
7.5°	1695.4	1802.7	1832.4	1899.0	1950.8
10°	1538.1	1645.4	1697.3	1854.6	1932.4
12.5°	1458.5	1521.4	1556.6	1776.8	1906.4
15°	1408.6	1452.9	1478.9	1673.2	1876.8
17.5°	1369.6	1401.1	1419.6	1571.4	1836.1
20°	1345.6	1360.4	1377.1	1497.4	1789.8
22.5°	1328.9	1319.6	1332.6	1445.6	1726.9
25°	1317.9	1282.7	1297.5	1404.8	1652.8
27.5°	1327.1	1249.3	1254.9	1367.8	1575.1
30°	1328.9	1208.6	1210.5	1328.9	1488.1
32.5°	1316.0	1166.1	1167.9	1280.8	1390.0
35°	1284.5	1116.0	1114.3	1225.3	1256.8
37.5°	1241.9	1062.4	1062.4	1164.2	1110.5
40°	1190.1	1008.7	1014.3	1084.7	981.0
42.5°	1127.2	951.4	958.8	979.1	884.7
45°	1058.7	895.8	901.4	827.3	810.7
47.5°	982.8	838.5	840.3	686.7	786.6
50°	892.2	779.2	771.9	588.6	784.7
52.5°	812.6	714.4	692.2	533.0	712.5
55°	734.8	646.0	597.9	490.4	660.8
57.5°	666.3	557.1	510.8	440.5	649.7
60°	603.4	470.1	435.0	386.9	596.0
62.5°	551.5	405.4	398.0	349.8	540.4
65°	496.0	360.9	359.0	318.3	459.1
67.5°	442.3	331.3	329.4	288.7	349.8
70°	385.0	299.8	296.2	257.3	259.1
72.5°	325.8	264.7	261.0	231.4	214.7
75°	266.6	224.0	222.1	201.7	174.0
77.5°	209.1	177.6	181.4	162.9	127.7
80°	149.9	129.5	133.3	116.6	96.2
82.5°	99.9	85.2	88.8	74.1	64.8
85°	55.6	48.1	50.0	38.9	29.6
87.5°	25.9	22.2	22.2	14.9	9.2
90°	38.5	24.5	22.7	15.8	8.8
92.5°	237.1	168.7	153.8	94.3	34.9
95°	583.5	328.6	301.4	192.6	83.9
97.5°	785.9	360.9	336.9	241.0	145.1
100°	859.6	388.0	366.2	279.3	192.2
102.5°	893.4	415.1	394.8	313.6	232.5
105°	918.4	455.2	438.0	369.3	300.6
107.5°	923.0	514.6	498.7	434.6	370.5
110°	916.1	547.9	533.4	475.6	417.7



TEST NUMBER: P936107

CATALOG NUMBER: SQ4-FA-150U-100D-B50-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	916.3	588.0	574.2	519.1	464.0
115°	924.8	648.4	635.7	584.8	533.9
117.5°	942.0	706.9	695.4	649.1	602.9
120°	955.9	741.0	730.2	686.7	643.2
122.5°	976.0	781.2	770.3	726.4	682.5
125°	1003.1	832.8	822.8	782.7	742.7
127.5°	1030.2	882.5	872.4	832.0	791.7
130°	1050.1	915.8	905.0	861.4	817.9
132.5°	1066.1	942.9	932.0	888.5	845.0
135°	1083.5	974.3	964.4	924.8	885.2
137.5°	1109.8	1014.5	1004.7	965.5	926.2
140°	1125.8	1041.6	1032.5	996.5	960.3
142.5°	1139.2	1061.7	1053.4	1019.9	986.5
145°	1156.7	1092.3	1085.0	1055.9	1026.7
147.5°	1182.3	1130.7	1123.6	1095.3	1066.9
150°	1195.6	1150.8	1144.3	1118.7	1093.2
152.5°	1204.4	1164.0	1159.1	1139.7	1120.2
155°	1223.6	1192.7	1189.2	1174.8	1160.4
157.5°	1242.9	1221.6	1218.1	1204.1	1190.1
160°	1251.6	1234.7	1231.9	1221.1	1210.3
162.5°	1260.9	1248.7	1246.6	1238.5	1230.4
165°	1274.3	1268.7	1266.9	1259.6	1252.2
167.5°	1284.8	1280.1	1279.3	1275.8	1272.3
170°	1293.5	1293.2	1292.4	1288.8	1285.4
172.5°	1294.2	1294.2	1294.0	1293.1	1292.4
175°	1299.4	1302.0	1302.0	1302.0	1302.0
177.5°	1299.9	1302.0	1302.0	1302.0	1302.0
180°	1302.0	1302.0	1302.0	1302.0	1302.0



TEST NUMBER: P936107
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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	12.19	12.95	13.25	14.01	15.45	15.02	15.78	16.07	16.84	18.28
	3H	12.66	13.34	13.73	14.41	15.87	16.35	17.03	17.42	18.10	19.56
	4H	12.85	13.49	13.93	14.56	16.03	16.79	17.44	17.87	18.51	19.97
	6H	12.96	13.56	14.05	14.63	16.11	17.07	17.66	18.16	18.74	20.21
	8H	12.96	13.53	14.05	14.62	16.09	17.14	17.71	18.23	18.80	20.27
	12H	12.93	13.46	14.02	14.55	16.04	17.17	17.71	18.27	18.80	20.29
4H	2H	13.21	13.86	14.30	14.93	16.39	15.41	16.06	16.50	17.13	18.59
	3H	14.23	14.77	15.32	15.86	17.34	16.91	17.45	18.00	18.54	20.02
	4H	14.50	14.99	15.60	16.08	17.58	17.43	17.92	18.53	19.01	20.51
	6H	14.62	15.04	15.73	16.15	17.65	17.79	18.21	18.89	19.32	20.81
	8H	14.62	15.02	15.73	16.12	17.63	17.89	18.29	19.00	19.39	20.90
	12H	14.59	14.94	15.71	16.06	17.57	17.94	18.30	19.07	19.42	20.93
8H	4H	14.95	15.34	16.05	16.44	17.95	17.55	17.94	18.65	19.05	20.55
	6H	15.20	15.53	16.33	16.67	18.18	17.98	18.30	19.11	19.45	20.95
	8H	15.24	15.53	16.38	16.66	18.18	18.13	18.41	19.26	19.54	21.06
	12H	15.22	15.47	16.36	16.60	18.16	18.22	18.47	19.36	19.59	21.16
12H	4H	14.95	15.30	16.07	16.42	17.93	17.51	17.86	18.63	18.98	20.49
	6H	15.26	15.55	16.40	16.67	18.20	17.97	18.26	19.11	19.39	20.91
	8H	15.32	15.58	16.46	16.70	18.26	18.13	18.38	19.27	19.50	21.06