

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: P935049

Luminaire Tested: SQ4-FA-100U-050D-930-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935049
REPORT IS A COMBINATION OF REPORTS P933737 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-050D-930-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

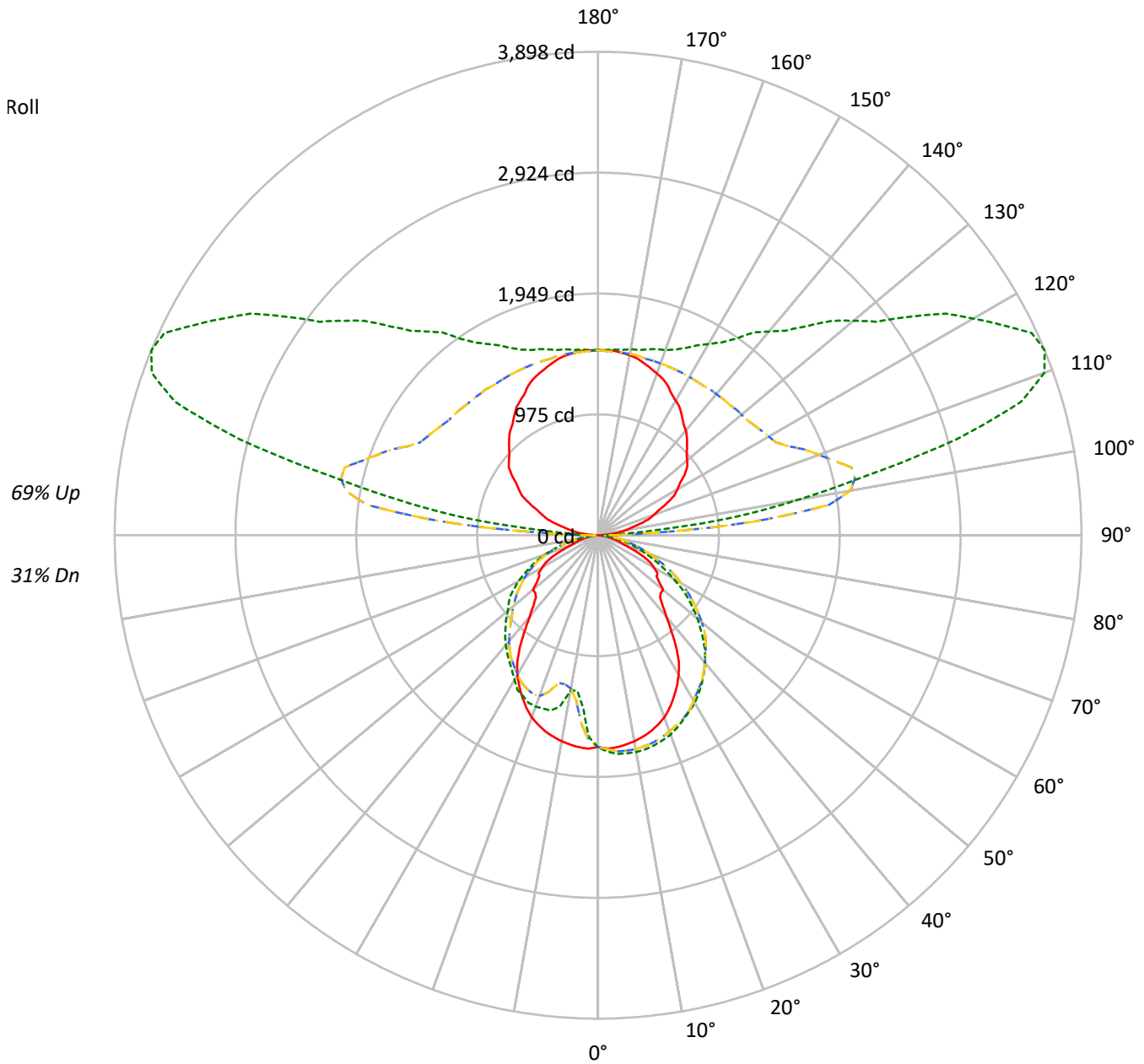
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14111.9 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 123.6
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	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	39	39	39	31
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	35	34	33	35	34	33	27
2	85	78	72	67	76	70	65	61	56	53	50	43	40	38	30	29	28	30	29	28	22
3	78	69	62	56	70	62	56	51	49	45	42	38	35	32	27	25	24	27	25	24	19
4	71	61	53	47	64	55	48	43	44	39	35	34	30	28	24	22	20	24	22	20	16
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	22	19	18	14
6	60	48	40	35	54	44	37	32	35	30	26	27	24	21	20	17	15	20	17	15	12
7	55	43	36	30	49	39	33	28	32	27	23	25	21	18	18	15	14	18	15	14	11
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	16	14	12	10
9	47	36	28	23	43	32	26	22	26	21	18	20	17	15	15	13	11	15	13	11	9
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5282	5282	5282	5282
5°	5323	5332	5323	4192
10°	5290	5252	5290	3755
15°	5234	5138	5234	4291
20°	5127	5004	5127	4300
25°	4905	4807	4905	4208
30°	4617	4644	4617	4009
35°	4118	4437	4118	3789
40°	3433	4194	3433	3623
45°	3070	3910	3070	3432
50°	3264	3570	3264	3240
55°	3074	3205	3074	3129
60°	3173	2722	3173	2866
65°	2881	2250	2881	2515
70°	2000	1793	2000	2108
75°	1759	1326	1759	1587
80°	1429	876	1429	955
85°	839	464	839	394

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 4702 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.1	1.1
10°-20°	437.7	3.1
20°-30°	676.6	4.8
30°-40°	807.7	5.7
40°-50°	812.4	5.8
50°-60°	706.9	5.0
60°-70°	501.2	3.6
70°-80°	265.2	1.9
80°-90°	71.7	0.5
90°-100°	727.8	5.2
100°-110°	1913.3	13.6
110°-120°	1983.9	14.1
120°-130°	1591.3	11.3
130°-140°	1248.6	8.8
140°-150°	958.4	6.8
150°-160°	690.2	4.9
160°-170°	422.3	3.0
170°-180°	142.7	1.0
0°-30°	1268.4	9.0
0°-40°	2076.0	14.7
0°-60°	3595.3	25.5
0°-90°	4433.4	31.4
90°-120°	4625.0	32.8
90°-150°	8423.3	59.7
90°-180°	9679.0	68.6
0°-180°	14111.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1708	1708	1708	1708	1708	
5°	1716	1769	1716	1391	1716	163
15°	1638	1753	1638	1464	1638	461
25°	1443	1635	1443	1431	1443	662
35°	1097	1459	1097	1246	1097	679
45°	708	1202	708	1055	708	567
55°	577	887	577	866	577	530
65°	401	535	401	598	401	383
75°	152	254	152	304	152	160
85°	26	65	26	55	26	35
90°	10	38	10	38	10	9
95°	96	440	96	440	96	107
105°	345	2996	345	2996	345	365
115°	612	3858	612	3858	612	605
125°	852	3072	852	3072	852	756
135°	1015	2384	1015	2384	1015	785
145°	1177	1934	1177	1934	1177	738
155°	1331	1665	1331	1665	1331	611
165°	1436	1551	1436	1551	1436	405
175°	1493	1503	1493	1503	1493	142
180°	1493	1493	1493	1493	1493	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7
2.5°	1722.2	1722.2	1731.9	1735.1	1735.1	1730.3	1725.5	1730.3	1744.8	1749.7	1748.1
5°	1715.8	1728.7	1746.4	1749.7	1752.9	1751.3	1748.1	1751.3	1767.5	1770.7	1772.3
7.5°	1702.8	1727.1	1749.7	1754.6	1759.4	1754.6	1752.9	1756.2	1772.3	1775.5	1775.5
10°	1686.7	1720.6	1746.4	1749.7	1754.6	1749.7	1749.7	1756.2	1772.3	1775.5	1777.2
12.5°	1664.1	1711.0	1735.1	1738.4	1744.8	1743.2	1741.6	1748.1	1764.3	1767.5	1767.5
15°	1638.2	1693.1	1715.8	1719.0	1730.3	1727.1	1727.1	1733.5	1751.3	1756.2	1754.6
17.5°	1602.7	1670.6	1696.4	1701.2	1709.3	1707.7	1709.3	1715.8	1731.9	1735.1	1736.8
20°	1562.3	1639.8	1670.6	1675.4	1683.5	1683.5	1683.5	1691.5	1707.7	1714.2	1714.2
22.5°	1507.4	1607.5	1639.8	1643.1	1652.7	1652.7	1656.0	1667.3	1681.8	1683.5	1683.5
25°	1442.8	1572.0	1599.4	1609.1	1618.8	1623.7	1628.6	1635.0	1639.8	1638.2	1639.8
27.5°	1374.9	1526.7	1562.3	1568.7	1581.7	1586.5	1593.0	1594.6	1596.2	1601.0	1597.8
30°	1298.9	1463.7	1517.0	1523.5	1544.5	1547.8	1541.3	1544.5	1552.6	1555.8	1559.0
32.5°	1213.3	1370.0	1470.2	1484.7	1504.1	1494.5	1492.8	1497.7	1510.6	1510.6	1513.8
35°	1097.0	1297.3	1426.6	1439.5	1454.1	1442.8	1449.2	1450.8	1458.9	1463.7	1462.1
37.5°	969.4	1234.3	1381.3	1391.0	1402.4	1387.8	1397.5	1402.4	1408.8	1405.6	1405.6
40°	856.2	1135.8	1328.0	1334.5	1344.1	1332.9	1342.5	1345.8	1349.0	1345.8	1344.1
42.5°	772.2	1027.5	1271.5	1279.6	1273.1	1281.2	1284.4	1290.9	1286.0	1279.6	1279.6
45°	707.6	998.5	1210.1	1219.8	1210.1	1223.0	1227.9	1227.9	1213.3	1210.1	1208.4
47.5°	686.6	940.3	1148.7	1148.7	1143.9	1160.0	1168.0	1156.8	1142.3	1137.4	1137.4
50°	685.0	875.7	1064.7	1058.2	1080.8	1100.2	1092.2	1080.8	1069.5	1051.8	1051.8
52.5°	622.0	796.5	956.5	980.7	1016.2	1027.5	1014.6	1003.3	983.9	975.8	969.4
55°	576.8	714.1	857.8	906.3	943.5	958.1	933.8	922.5	893.4	888.6	885.4
57.5°	567.1	594.5	767.4	828.8	874.1	872.5	857.8	836.9	812.6	807.8	806.2
60°	520.3	429.8	670.5	743.2	790.0	785.2	772.2	752.9	730.2	727.0	723.8
62.5°	471.8	311.8	560.6	643.0	709.2	707.6	696.4	667.2	651.1	643.0	636.5
65°	400.7	261.7	399.1	534.8	630.1	633.3	609.1	588.1	570.3	560.6	559.0
67.5°	305.4	213.3	269.8	445.9	554.2	550.9	520.3	510.5	487.9	483.1	473.4
70°	226.2	142.2	187.4	361.9	479.9	471.8	447.5	436.2	415.2	403.9	397.4
72.5°	187.4	114.7	137.3	281.1	403.9	394.2	373.2	360.3	342.5	332.8	326.3
75°	151.8	121.2	105.0	208.4	327.9	321.5	302.1	289.2	274.6	261.7	263.3
77.5°	111.5	113.1	84.0	153.5	260.1	250.5	239.1	223.0	216.5	203.6	203.6
80°	84.0	88.9	63.0	105.0	187.4	187.4	177.7	166.4	155.1	148.6	148.6
82.5°	56.5	56.5	46.8	66.2	127.6	122.8	116.4	113.1	106.6	103.4	103.4
85°	25.9	32.3	29.1	40.4	69.5	72.7	72.7	69.5	67.9	64.6	66.2
87.5°	8.1	14.5	17.7	22.6	35.6	37.2	38.8	38.8	38.8	40.4	40.4
90°	10.0	18.1	26.0	28.0	44.1	65.4	76.1	67.7	50.7	38.1	38.1
92.5°	40.1	108.2	176.3	193.4	271.9	376.5	428.9	375.9	269.9	190.4	182.8
95°	96.2	220.9	345.6	376.8	669.0	1058.7	1253.5	1118.6	848.7	646.3	623.3
97.5°	166.3	276.3	386.3	413.9	901.1	1550.8	1875.7	1790.4	1619.9	1492.0	1448.4
100°	220.4	320.2	419.9	444.9	985.6	1706.6	2067.2	2073.4	2085.9	2095.2	2043.2
102.5°	266.5	359.6	452.7	475.9	1024.4	1755.7	2121.3	2229.9	2447.2	2610.2	2565.7
105°	344.7	423.5	502.4	522.0	1053.1	1761.2	2115.3	2358.9	2846.1	3211.4	3187.5
107.5°	424.9	498.3	571.8	590.2	1058.4	1682.8	1995.0	2334.8	3014.4	3524.0	3529.8
110°	479.0	545.3	611.6	628.3	1050.4	1613.3	1894.8	2274.7	3034.4	3604.2	3629.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	532.1	595.3	658.5	674.4	1050.8	1552.7	1803.6	2192.4	2970.0	3553.1	3591.4
115°	612.2	670.6	728.9	743.5	1060.4	1483.1	1694.4	2068.9	2818.0	3379.7	3432.8
117.5°	691.4	744.4	797.4	810.6	1080.2	1439.5	1619.2	1957.2	2633.3	3140.3	3199.2
120°	737.5	787.3	837.3	849.7	1096.3	1424.9	1589.2	1898.1	2515.7	2979.0	3036.2
122.5°	782.6	833.0	883.2	895.8	1119.3	1417.2	1566.2	1844.3	2400.5	2817.6	2874.1
125°	851.7	897.6	943.4	954.9	1150.3	1410.9	1541.1	1777.4	2249.8	2604.2	2656.2
127.5°	907.8	954.1	1000.5	1012.0	1181.4	1407.2	1520.1	1722.9	2128.6	2432.8	2476.7
130°	937.9	987.8	1037.6	1050.1	1204.1	1409.4	1512.0	1692.6	2053.8	2324.7	2365.2
132.5°	969.0	1018.8	1068.7	1081.2	1222.4	1410.8	1505.0	1666.6	1990.0	2232.5	2268.8
135°	1015.1	1060.4	1105.9	1117.2	1242.5	1409.5	1493.0	1628.4	1899.1	2102.2	2133.5
137.5°	1062.1	1107.1	1152.1	1163.3	1272.5	1418.2	1491.0	1605.4	1834.4	2006.1	2031.7
140°	1101.2	1142.7	1184.0	1194.4	1290.9	1419.6	1483.9	1582.8	1780.6	1928.9	1952.8
142.5°	1131.3	1169.6	1207.9	1217.4	1306.2	1424.7	1483.9	1570.8	1744.5	1874.8	1895.3
145°	1177.4	1210.8	1244.2	1252.5	1326.3	1424.8	1474.0	1545.0	1687.0	1793.6	1809.2
147.5°	1223.5	1256.0	1288.5	1296.6	1355.7	1434.6	1474.0	1529.9	1641.7	1725.5	1738.4
150°	1253.5	1282.9	1312.3	1319.7	1371.1	1439.7	1474.0	1521.2	1615.6	1686.4	1696.8
152.5°	1284.6	1306.8	1329.1	1334.7	1381.1	1443.0	1474.0	1514.3	1594.8	1655.3	1663.2
155°	1330.7	1347.1	1363.7	1367.7	1403.2	1450.4	1474.0	1506.0	1570.1	1618.2	1623.4
157.5°	1364.7	1380.8	1396.8	1400.8	1425.2	1457.8	1474.0	1498.9	1548.7	1586.2	1589.9
160°	1387.7	1400.3	1412.7	1415.8	1435.2	1461.1	1474.0	1495.3	1538.1	1570.1	1572.2
162.5°	1410.8	1420.1	1429.5	1431.8	1445.9	1464.6	1474.0	1492.0	1528.0	1555.1	1557.1
165°	1435.8	1444.3	1452.8	1454.9	1461.2	1469.7	1474.0	1486.9	1512.7	1532.0	1534.1
167.5°	1458.9	1462.9	1466.9	1468.0	1473.3	1480.4	1483.9	1492.5	1509.4	1522.1	1523.0
170°	1474.0	1478.0	1482.0	1483.0	1483.3	1483.7	1483.9	1492.5	1509.4	1522.1	1522.1
172.5°	1481.9	1482.8	1483.7	1483.9	1483.9	1483.9	1483.9	1490.6	1504.0	1514.1	1513.3
175°	1493.0	1493.0	1493.0	1493.0	1490.0	1486.0	1483.9	1488.2	1496.6	1503.0	1503.0
177.5°	1493.0	1493.0	1493.0	1493.0	1490.7	1487.6	1486.0	1489.3	1496.0	1501.0	1500.1
180°	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7
2.5°	1751.3	1746.4	1751.3	1748.1	1749.7	1744.8	1730.3	1725.5	1730.3	1735.1	1735.1
5°	1772.3	1769.1	1772.3	1772.3	1770.7	1767.5	1751.3	1748.1	1751.3	1752.9	1749.7
7.5°	1778.8	1773.9	1778.8	1775.5	1775.5	1772.3	1756.2	1752.9	1754.6	1759.4	1754.6
10°	1778.8	1773.9	1778.8	1777.2	1775.5	1772.3	1756.2	1749.7	1749.7	1754.6	1749.7
12.5°	1770.7	1767.5	1770.7	1767.5	1767.5	1764.3	1748.1	1741.6	1743.2	1744.8	1738.4
15°	1757.8	1752.9	1757.8	1754.6	1756.2	1751.3	1733.5	1727.1	1727.1	1730.3	1719.0
17.5°	1738.4	1731.9	1738.4	1736.8	1735.1	1731.9	1715.8	1709.3	1707.7	1709.3	1701.2
20°	1715.8	1711.0	1715.8	1714.2	1714.2	1707.7	1691.5	1683.5	1683.5	1683.5	1675.4
22.5°	1680.2	1675.4	1680.2	1683.5	1683.5	1681.8	1667.3	1656.0	1652.7	1652.7	1643.1
25°	1639.8	1635.0	1639.8	1639.8	1638.2	1639.8	1635.0	1628.6	1623.7	1618.8	1609.1
27.5°	1601.0	1597.8	1601.0	1597.8	1601.0	1596.2	1594.6	1593.0	1586.5	1581.7	1568.7
30°	1562.3	1559.0	1562.3	1559.0	1555.8	1552.6	1544.5	1541.3	1547.8	1544.5	1523.5
32.5°	1513.8	1510.6	1513.8	1513.8	1510.6	1510.6	1497.7	1492.8	1494.5	1504.1	1484.7
35°	1463.7	1458.9	1463.7	1462.1	1463.7	1458.9	1450.8	1449.2	1442.8	1454.1	1439.5
37.5°	1405.6	1400.8	1405.6	1405.6	1405.6	1408.8	1402.4	1397.5	1387.8	1402.4	1391.0
40°	1345.8	1339.3	1345.8	1344.1	1345.8	1349.0	1345.8	1342.5	1332.9	1344.1	1334.5
42.5°	1278.0	1276.3	1278.0	1279.6	1279.6	1286.0	1290.9	1284.4	1281.2	1273.1	1279.6
45°	1205.2	1202.0	1205.2	1208.4	1210.1	1213.3	1227.9	1227.9	1223.0	1210.1	1219.8
47.5°	1127.7	1119.6	1127.7	1137.4	1137.4	1142.3	1156.8	1168.0	1160.0	1143.9	1148.7
50°	1045.3	1046.9	1045.3	1051.8	1051.8	1069.5	1080.8	1092.2	1100.2	1080.8	1058.2
52.5°	964.5	962.9	964.5	969.4	975.8	983.9	1003.3	1014.6	1027.5	1016.2	980.7
55°	883.7	887.0	883.7	885.4	888.6	893.4	922.5	933.8	958.1	943.5	906.3
57.5°	802.9	798.1	802.9	806.2	807.8	812.6	836.9	857.8	872.5	874.1	828.8
60°	709.2	702.8	709.2	723.8	727.0	730.2	752.9	772.2	785.2	790.0	743.2
62.5°	626.8	615.6	626.8	636.5	643.0	651.1	667.2	696.4	707.6	709.2	643.0
65°	539.6	534.8	539.6	559.0	560.6	570.3	588.1	609.1	633.3	630.1	534.8
67.5°	460.4	460.4	460.4	473.4	483.1	487.9	510.5	520.3	550.9	554.2	445.9
70°	387.8	386.2	387.8	397.4	403.9	415.2	436.2	447.5	471.8	479.9	361.9
72.5°	318.3	316.6	318.3	326.3	332.8	342.5	360.3	373.2	394.2	403.9	281.1
75°	256.9	253.7	256.9	263.3	261.7	274.6	289.2	302.1	321.5	327.9	208.4
77.5°	197.1	197.1	197.1	203.6	203.6	216.5	223.0	239.1	250.5	260.1	153.5
80°	147.0	145.4	147.0	148.6	148.6	155.1	166.4	177.7	187.4	187.4	105.0
82.5°	103.4	100.1	103.4	103.4	103.4	106.6	113.1	116.4	122.8	127.6	66.2
85°	64.6	64.6	64.6	66.2	64.6	67.9	69.5	72.7	72.7	69.5	40.4
87.5°	42.0	40.4	42.0	40.4	40.4	38.8	38.8	38.8	37.2	35.6	22.6
90°	38.1	38.1	38.1	38.1	38.1	50.7	67.7	76.1	65.4	44.1	28.0
92.5°	152.5	122.2	152.5	182.8	190.4	269.9	375.9	428.9	376.5	271.9	193.4
95°	531.6	439.9	531.6	623.3	646.3	848.7	1118.6	1253.5	1058.7	669.0	376.8
97.5°	1273.8	1099.2	1273.8	1448.4	1492.0	1619.9	1790.4	1875.7	1550.8	901.1	413.9
100°	1835.3	1627.3	1835.3	2043.2	2095.2	2085.9	2073.4	2067.2	1706.6	985.6	444.9
102.5°	2387.6	2209.5	2387.6	2565.7	2610.2	2447.2	2229.9	2121.3	1755.7	1024.4	475.9
105°	3091.7	2996.0	3091.7	3187.5	3211.4	2846.1	2358.9	2115.3	1761.2	1053.1	522.0
107.5°	3553.0	3576.2	3553.0	3529.8	3524.0	3014.4	2334.8	1995.0	1682.8	1058.4	590.2
110°	3728.9	3828.7	3728.9	3629.2	3604.2	3034.4	2274.7	1894.8	1613.3	1050.4	628.3



TEST NUMBER: P935049

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3744.6	3897.8	3744.6	3591.4	3553.1	2970.0	2192.4	1803.6	1552.7	1050.8	674.4
115°	3645.3	3857.7	3645.3	3432.8	3379.7	2818.0	2068.9	1694.4	1483.1	1060.4	743.5
117.5°	3434.8	3670.4	3434.8	3199.2	3140.3	2633.3	1957.2	1619.2	1439.5	1080.2	810.6
120°	3265.1	3494.0	3265.1	3036.2	2979.0	2515.7	1898.1	1589.2	1424.9	1096.3	849.7
122.5°	3099.8	3325.6	3099.8	2874.1	2817.6	2400.5	1844.3	1566.2	1417.2	1119.3	895.8
125°	2864.1	3072.1	2864.1	2656.2	2604.2	2249.8	1777.4	1541.1	1410.9	1150.3	954.9
127.5°	2652.2	2827.7	2652.2	2476.7	2432.8	2128.6	1722.9	1520.1	1407.2	1181.4	1012.0
130°	2527.3	2689.4	2527.3	2365.2	2324.7	2053.8	1692.6	1512.0	1409.4	1204.1	1050.1
132.5°	2414.0	2559.2	2414.0	2268.8	2232.5	1990.0	1666.6	1505.0	1410.8	1222.4	1081.2
135°	2258.6	2383.8	2258.6	2133.5	2102.2	1899.1	1628.4	1493.0	1409.5	1242.5	1117.2
137.5°	2134.1	2236.5	2134.1	2031.7	2006.1	1834.4	1605.4	1491.0	1418.2	1272.5	1163.3
140°	2048.6	2144.3	2048.6	1952.8	1928.9	1780.6	1582.8	1483.9	1419.6	1290.9	1194.4
142.5°	1977.7	2060.1	1977.7	1895.3	1874.8	1744.5	1570.8	1483.9	1424.7	1306.2	1217.4
145°	1871.6	1933.9	1871.6	1809.2	1793.6	1687.0	1545.0	1474.0	1424.8	1326.3	1252.5
147.5°	1790.0	1841.7	1790.0	1738.4	1725.5	1641.7	1529.9	1474.0	1434.6	1355.7	1296.6
150°	1738.7	1780.6	1738.7	1696.8	1686.4	1615.6	1521.2	1474.0	1439.7	1371.1	1319.7
152.5°	1694.8	1726.4	1694.8	1663.2	1655.3	1594.8	1514.3	1474.0	1443.0	1381.1	1334.7
155°	1644.4	1665.3	1644.4	1623.4	1618.2	1570.1	1506.0	1474.0	1450.4	1403.2	1367.7
157.5°	1604.6	1619.2	1604.6	1589.9	1586.2	1548.7	1498.9	1474.0	1457.8	1425.2	1400.8
160°	1580.7	1589.2	1580.7	1572.2	1570.1	1538.1	1495.3	1474.0	1461.1	1435.2	1415.8
162.5°	1565.1	1573.2	1565.1	1557.1	1555.1	1528.0	1492.0	1474.0	1464.6	1445.9	1431.8
165°	1542.6	1551.1	1542.6	1534.1	1532.0	1512.7	1486.9	1474.0	1469.7	1461.2	1454.9
167.5°	1526.5	1530.0	1526.5	1523.0	1522.1	1509.4	1492.5	1483.9	1480.4	1473.3	1468.0
170°	1522.1	1522.1	1522.1	1522.1	1522.1	1509.4	1492.5	1483.9	1483.7	1483.3	1483.0
172.5°	1510.1	1507.0	1510.1	1513.3	1514.1	1504.0	1490.6	1483.9	1483.9	1483.9	1483.9
175°	1503.0	1503.0	1503.0	1503.0	1503.0	1496.6	1488.2	1483.9	1486.0	1490.0	1493.0
177.5°	1496.6	1493.0	1496.6	1500.1	1501.0	1496.0	1489.3	1486.0	1487.6	1490.7	1493.0
180°	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7
2.5°	1731.9	1722.2	1722.2	1706.1	1699.6	1694.7	1686.7	1662.5	1656.0	1649.5	1659.2
5°	1746.4	1728.7	1715.8	1686.7	1662.5	1652.7	1622.1	1563.9	1525.1	1496.1	1479.9
7.5°	1749.7	1727.1	1702.8	1657.6	1599.4	1573.6	1479.9	1373.3	1344.1	1318.4	1302.1
10°	1746.4	1720.6	1686.7	1618.8	1481.5	1436.2	1342.5	1273.1	1255.3	1250.5	1255.3
12.5°	1735.1	1711.0	1664.1	1551.0	1358.8	1328.0	1273.1	1232.7	1229.5	1237.6	1281.2
15°	1715.8	1693.1	1638.2	1460.5	1290.9	1268.3	1229.5	1214.9	1232.7	1289.2	1420.1
17.5°	1696.4	1670.6	1602.7	1371.7	1239.2	1223.0	1195.5	1224.7	1324.8	1400.8	1444.4
20°	1670.6	1639.8	1562.3	1307.0	1202.0	1187.5	1174.5	1305.4	1381.3	1408.8	1433.0
22.5°	1639.8	1607.5	1507.4	1261.8	1163.2	1151.9	1160.0	1350.6	1381.3	1400.8	1421.7
25°	1599.4	1572.0	1442.8	1226.3	1132.6	1119.6	1150.3	1345.8	1363.6	1368.4	1410.4
27.5°	1562.3	1526.7	1374.9	1193.9	1095.4	1090.6	1158.4	1324.8	1337.7	1342.5	1387.8
30°	1517.0	1463.7	1298.9	1160.0	1056.6	1055.0	1160.0	1298.9	1295.7	1308.6	1353.9
32.5°	1470.2	1370.0	1213.3	1118.0	1019.4	1017.8	1148.7	1260.1	1256.9	1274.7	1308.6
35°	1426.6	1297.3	1097.0	1069.5	972.6	974.2	1121.2	1214.9	1216.5	1232.7	1253.7
37.5°	1381.3	1234.3	969.4	1016.2	927.4	927.4	1084.0	1172.9	1169.7	1174.5	1203.6
40°	1328.0	1135.8	856.2	946.7	885.4	880.5	1038.8	1127.7	1116.4	1114.8	1155.1
42.5°	1271.5	1027.5	772.2	854.6	836.9	830.4	983.9	1072.7	1051.8	1056.6	1108.3
45°	1210.1	998.5	707.6	722.1	786.8	782.0	924.1	1009.8	995.2	1008.2	1061.5
47.5°	1148.7	940.3	686.6	599.4	733.5	731.9	857.8	948.3	940.3	953.2	1009.8
50°	1064.7	875.7	685.0	513.8	673.7	680.1	778.7	888.6	888.6	899.9	959.7
52.5°	956.5	796.5	622.0	465.3	604.3	623.6	709.2	836.9	840.1	851.4	904.7
55°	857.8	714.1	576.8	428.2	521.9	563.9	641.4	783.6	790.0	801.3	849.8
57.5°	767.4	594.5	567.1	384.5	445.9	486.3	581.6	731.9	735.1	744.8	791.7
60°	670.5	429.8	520.3	337.7	379.7	410.3	526.7	670.5	681.7	688.3	728.6
62.5°	560.6	311.8	471.8	305.4	347.4	353.8	481.5	612.3	626.8	631.7	656.0
65°	399.1	261.7	400.7	277.9	313.4	315.0	433.0	552.5	565.5	573.5	591.3
67.5°	269.8	213.3	305.4	252.1	287.6	289.2	386.2	483.1	500.8	507.3	518.6
70°	187.4	142.2	226.2	224.6	258.5	261.7	336.1	420.0	436.2	441.1	447.5
72.5°	137.3	114.7	187.4	202.0	227.8	231.0	284.3	349.0	365.1	369.9	373.2
75°	105.0	121.2	151.8	176.1	193.8	195.5	232.6	284.3	295.7	298.9	300.5
77.5°	84.0	113.1	111.5	142.2	158.4	155.1	182.6	219.7	229.4	229.4	229.4
80°	63.0	88.9	84.0	101.8	116.4	113.1	130.9	156.7	160.0	163.2	161.6
82.5°	46.8	56.5	56.5	64.6	77.6	74.4	87.2	101.8	101.8	101.8	105.0
85°	29.1	32.3	25.9	34.0	43.6	42.0	48.5	54.9	56.5	56.5	53.3
87.5°	17.7	14.5	8.1	12.9	19.4	19.4	22.6	24.3	22.6	22.6	22.6
90°	26.0	18.1	10.0	18.1	26.0	28.0	44.1	65.4	76.1	67.7	50.7
92.5°	176.3	108.2	40.1	108.2	176.3	193.4	271.9	376.5	428.9	375.9	269.9
95°	345.6	220.9	96.2	220.9	345.6	376.8	669.0	1058.7	1253.5	1118.6	848.7
97.5°	386.3	276.3	166.3	276.3	386.3	413.9	901.1	1550.8	1875.7	1790.4	1619.9
100°	419.9	320.2	220.4	320.2	419.9	444.9	985.6	1706.6	2067.2	2073.4	2085.9
102.5°	452.7	359.6	266.5	359.6	452.7	475.9	1024.4	1755.7	2121.3	2229.9	2447.2
105°	502.4	423.5	344.7	423.5	502.4	522.0	1053.1	1761.2	2115.3	2358.9	2846.1
107.5°	571.8	498.3	424.9	498.3	571.8	590.2	1058.4	1682.8	1995.0	2334.8	3014.4
110°	611.6	545.3	479.0	545.3	611.6	628.3	1050.4	1613.3	1894.8	2274.7	3034.4



TEST NUMBER: P935049

CATALOG NUMBER: SQ4-FA-100U-050D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	658.5	595.3	532.1	595.3	658.5	674.4	1050.8	1552.7	1803.6	2192.4	2970.0
115°	728.9	670.6	612.2	670.6	728.9	743.5	1060.4	1483.1	1694.4	2068.9	2818.0
117.5°	797.4	744.4	691.4	744.4	797.4	810.6	1080.2	1439.5	1619.2	1957.2	2633.3
120°	837.3	787.3	737.5	787.3	837.3	849.7	1096.3	1424.9	1589.2	1898.1	2515.7
122.5°	883.2	833.0	782.6	833.0	883.2	895.8	1119.3	1417.2	1566.2	1844.3	2400.5
125°	943.4	897.6	851.7	897.6	943.4	954.9	1150.3	1410.9	1541.1	1777.4	2249.8
127.5°	1000.5	954.1	907.8	954.1	1000.5	1012.0	1181.4	1407.2	1520.1	1722.9	2128.6
130°	1037.6	987.8	937.9	987.8	1037.6	1050.1	1204.1	1409.4	1512.0	1692.6	2053.8
132.5°	1068.7	1018.8	969.0	1018.8	1068.7	1081.2	1222.4	1410.8	1505.0	1666.6	1990.0
135°	1105.9	1060.4	1015.1	1060.4	1105.9	1117.2	1242.5	1409.5	1493.0	1628.4	1899.1
137.5°	1152.1	1107.1	1062.1	1107.1	1152.1	1163.3	1272.5	1418.2	1491.0	1605.4	1834.4
140°	1184.0	1142.7	1101.2	1142.7	1184.0	1194.4	1290.9	1419.6	1483.9	1582.8	1780.6
142.5°	1207.9	1169.6	1131.3	1169.6	1207.9	1217.4	1306.2	1424.7	1483.9	1570.8	1744.5
145°	1244.2	1210.8	1177.4	1210.8	1244.2	1252.5	1326.3	1424.8	1474.0	1545.0	1687.0
147.5°	1288.5	1256.0	1223.5	1256.0	1288.5	1296.6	1355.7	1434.6	1474.0	1529.9	1641.7
150°	1312.3	1282.9	1253.5	1282.9	1312.3	1319.7	1371.1	1439.7	1474.0	1521.2	1615.6
152.5°	1329.1	1306.8	1284.6	1306.8	1329.1	1334.7	1381.1	1443.0	1474.0	1514.3	1594.8
155°	1363.7	1347.1	1330.7	1347.1	1363.7	1367.7	1403.2	1450.4	1474.0	1506.0	1570.1
157.5°	1396.8	1380.8	1364.7	1380.8	1396.8	1400.8	1425.2	1457.8	1474.0	1498.9	1548.7
160°	1412.7	1400.3	1387.7	1400.3	1412.7	1415.8	1435.2	1461.1	1474.0	1495.3	1538.1
162.5°	1429.5	1420.1	1410.8	1420.1	1429.5	1431.8	1445.9	1464.6	1474.0	1492.0	1528.0
165°	1452.8	1444.3	1435.8	1444.3	1452.8	1454.9	1461.2	1469.7	1474.0	1486.9	1512.7
167.5°	1466.9	1462.9	1458.9	1462.9	1466.9	1468.0	1473.3	1480.4	1483.9	1492.5	1509.4
170°	1482.0	1478.0	1474.0	1478.0	1482.0	1483.0	1483.3	1483.7	1483.9	1492.5	1509.4
172.5°	1483.7	1482.8	1481.9	1482.8	1483.7	1483.9	1483.9	1483.9	1483.9	1490.6	1504.0
175°	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1490.0	1486.0	1483.9	1488.2	1496.6
177.5°	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1490.7	1487.6	1486.0	1489.3	1496.0
180°	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0



TEST NUMBER: P935049

CATALOG NUMBER: SQ4-FA-100U-050D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7
2.5°	1647.9	1643.1	1649.5	1631.8	1649.5	1643.1	1647.9	1659.2	1649.5	1656.0	1662.5
5°	1446.0	1437.9	1412.1	1391.0	1412.1	1437.9	1446.0	1479.9	1496.1	1525.1	1563.9
7.5°	1292.5	1286.0	1279.6	1266.7	1279.6	1286.0	1292.5	1302.1	1318.4	1344.1	1373.3
10°	1258.5	1260.1	1269.9	1268.3	1269.9	1260.1	1258.5	1255.3	1250.5	1255.3	1273.1
12.5°	1345.8	1360.4	1413.7	1410.4	1413.7	1360.4	1345.8	1281.2	1237.6	1229.5	1232.7
15°	1446.0	1450.8	1462.1	1463.7	1462.1	1450.8	1446.0	1420.1	1289.2	1232.7	1214.9
17.5°	1455.7	1457.3	1465.3	1465.3	1465.3	1457.3	1455.7	1444.4	1400.8	1324.8	1224.7
20°	1447.6	1450.8	1467.0	1470.2	1467.0	1450.8	1447.6	1433.0	1408.8	1381.3	1305.4
22.5°	1444.4	1450.8	1463.7	1462.1	1463.7	1450.8	1444.4	1421.7	1400.8	1381.3	1350.6
25°	1428.2	1428.2	1429.8	1431.4	1429.8	1428.2	1428.2	1410.4	1368.4	1363.6	1345.8
27.5°	1394.2	1397.5	1407.2	1405.6	1407.2	1397.5	1394.2	1387.8	1342.5	1337.7	1324.8
30°	1363.6	1360.4	1352.3	1345.8	1352.3	1360.4	1363.6	1353.9	1308.6	1295.7	1298.9
32.5°	1311.9	1303.8	1295.7	1290.9	1295.7	1303.8	1311.9	1308.6	1274.7	1256.9	1260.1
35°	1250.5	1252.1	1250.5	1245.6	1250.5	1252.1	1250.5	1253.7	1232.7	1216.5	1214.9
37.5°	1206.8	1210.1	1208.4	1202.0	1208.4	1210.1	1206.8	1203.6	1174.5	1169.7	1172.9
40°	1161.6	1163.2	1161.6	1156.8	1161.6	1163.2	1161.6	1155.1	1114.8	1116.4	1127.7
42.5°	1118.0	1116.4	1111.5	1108.3	1111.5	1116.4	1118.0	1108.3	1056.6	1051.8	1072.7
45°	1067.9	1069.5	1059.8	1055.0	1059.8	1069.5	1067.9	1061.5	1008.2	995.2	1009.8
47.5°	1017.8	1017.8	1009.8	1004.9	1009.8	1017.8	1017.8	1009.8	953.2	940.3	948.3
50°	964.5	962.9	951.6	949.9	951.6	962.9	964.5	959.7	899.9	888.6	888.6
52.5°	903.1	903.1	904.7	908.0	904.7	903.1	903.1	904.7	851.4	840.1	836.9
55°	849.8	851.4	862.7	866.0	862.7	851.4	849.8	849.8	801.3	790.0	783.6
57.5°	794.9	794.9	802.9	802.9	802.9	794.9	794.9	791.7	744.8	735.1	731.9
60°	731.9	735.1	741.6	740.0	741.6	735.1	731.9	728.6	688.3	681.7	670.5
62.5°	665.6	668.9	670.5	667.2	670.5	668.9	665.6	656.0	631.7	626.8	612.3
65°	596.1	599.4	601.0	597.8	601.0	599.4	596.1	591.3	573.5	565.5	552.5
67.5°	525.1	523.5	521.9	528.3	521.9	523.5	525.1	518.6	507.3	500.8	483.1
70°	452.3	452.3	450.7	454.0	450.7	452.3	452.3	447.5	441.1	436.2	420.0
72.5°	374.8	373.2	379.7	374.8	379.7	373.2	374.8	373.2	369.9	365.1	349.0
75°	298.9	302.1	298.9	303.7	298.9	302.1	298.9	300.5	298.9	295.7	284.3
77.5°	227.8	231.0	227.8	227.8	227.8	231.0	227.8	229.4	229.4	229.4	219.7
80°	161.6	160.0	160.0	158.4	160.0	160.0	161.6	161.6	163.2	160.0	156.7
82.5°	103.4	101.8	101.8	105.0	101.8	101.8	103.4	105.0	101.8	101.8	101.8
85°	56.5	58.1	54.9	54.9	54.9	58.1	56.5	53.3	56.5	56.5	54.9
87.5°	21.0	19.4	19.4	19.4	19.4	19.4	21.0	22.6	22.6	22.6	24.3
90°	38.1	38.1	38.1	38.1	38.1	38.1	38.1	50.7	67.7	76.1	65.4
92.5°	190.4	182.8	152.5	122.2	152.5	182.8	190.4	269.9	375.9	428.9	376.5
95°	646.3	623.3	531.6	439.9	531.6	623.3	646.3	848.7	1118.6	1253.5	1058.7
97.5°	1492.0	1448.4	1273.8	1099.2	1273.8	1448.4	1492.0	1619.9	1790.4	1875.7	1550.8
100°	2095.2	2043.2	1835.3	1627.3	1835.3	2043.2	2095.2	2085.9	2073.4	2067.2	1706.6
102.5°	2610.2	2565.7	2387.6	2209.5	2387.6	2565.7	2610.2	2447.2	2229.9	2121.3	1755.7
105°	3211.4	3187.5	3091.7	2996.0	3091.7	3187.5	3211.4	2846.1	2358.9	2115.3	1761.2
107.5°	3524.0	3529.8	3553.0	3576.2	3553.0	3529.8	3524.0	3014.4	2334.8	1995.0	1682.8
110°	3604.2	3629.2	3728.9	3828.7	3728.9	3629.2	3604.2	3034.4	2274.7	1894.8	1613.3



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3553.1	3591.4	3744.6	3897.8	3744.6	3591.4	3553.1	2970.0	2192.4	1803.6	1552.7
115°	3379.7	3432.8	3645.3	3857.7	3645.3	3432.8	3379.7	2818.0	2068.9	1694.4	1483.1
117.5°	3140.3	3199.2	3434.8	3670.4	3434.8	3199.2	3140.3	2633.3	1957.2	1619.2	1439.5
120°	2979.0	3036.2	3265.1	3494.0	3265.1	3036.2	2979.0	2515.7	1898.1	1589.2	1424.9
122.5°	2817.6	2874.1	3099.8	3325.6	3099.8	2874.1	2817.6	2400.5	1844.3	1566.2	1417.2
125°	2604.2	2656.2	2864.1	3072.1	2864.1	2656.2	2604.2	2249.8	1777.4	1541.1	1410.9
127.5°	2432.8	2476.7	2652.2	2827.7	2652.2	2476.7	2432.8	2128.6	1722.9	1520.1	1407.2
130°	2324.7	2365.2	2527.3	2689.4	2527.3	2365.2	2324.7	2053.8	1692.6	1512.0	1409.4
132.5°	2232.5	2268.8	2414.0	2559.2	2414.0	2268.8	2232.5	1990.0	1666.6	1505.0	1410.8
135°	2102.2	2133.5	2258.6	2383.8	2258.6	2133.5	2102.2	1899.1	1628.4	1493.0	1409.5
137.5°	2006.1	2031.7	2134.1	2236.5	2134.1	2031.7	2006.1	1834.4	1605.4	1491.0	1418.2
140°	1928.9	1952.8	2048.6	2144.3	2048.6	1952.8	1928.9	1780.6	1582.8	1483.9	1419.6
142.5°	1874.8	1895.3	1977.7	2060.1	1977.7	1895.3	1874.8	1744.5	1570.8	1483.9	1424.7
145°	1793.6	1809.2	1871.6	1933.9	1871.6	1809.2	1793.6	1687.0	1545.0	1474.0	1424.8
147.5°	1725.5	1738.4	1790.0	1841.7	1790.0	1738.4	1725.5	1641.7	1529.9	1474.0	1434.6
150°	1686.4	1696.8	1738.7	1780.6	1738.7	1696.8	1686.4	1615.6	1521.2	1474.0	1439.7
152.5°	1655.3	1663.2	1694.8	1726.4	1694.8	1663.2	1655.3	1594.8	1514.3	1474.0	1443.0
155°	1618.2	1623.4	1644.4	1665.3	1644.4	1623.4	1618.2	1570.1	1506.0	1474.0	1450.4
157.5°	1586.2	1589.9	1604.6	1619.2	1604.6	1589.9	1586.2	1548.7	1498.9	1474.0	1457.8
160°	1570.1	1572.2	1580.7	1589.2	1580.7	1572.2	1570.1	1538.1	1495.3	1474.0	1461.1
162.5°	1555.1	1557.1	1565.1	1573.2	1565.1	1557.1	1555.1	1528.0	1492.0	1474.0	1464.6
165°	1532.0	1534.1	1542.6	1551.1	1542.6	1534.1	1532.0	1512.7	1486.9	1474.0	1469.7
167.5°	1522.1	1523.0	1526.5	1530.0	1526.5	1523.0	1522.1	1509.4	1492.5	1483.9	1480.4
170°	1522.1	1522.1	1522.1	1522.1	1522.1	1522.1	1522.1	1509.4	1492.5	1483.9	1483.7
172.5°	1514.1	1513.3	1510.1	1507.0	1510.1	1513.3	1514.1	1504.0	1490.6	1483.9	1483.9
175°	1503.0	1503.0	1503.0	1503.0	1503.0	1503.0	1503.0	1496.6	1488.2	1483.9	1486.0
177.5°	1501.0	1500.1	1496.6	1493.0	1496.6	1500.1	1501.0	1496.0	1489.3	1486.0	1487.6
180°	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1707.7	1707.7	1707.7	1707.7	1707.7
2.5°	1686.7	1694.7	1699.6	1706.1	1722.2
5°	1622.1	1652.7	1662.5	1686.7	1715.8
7.5°	1479.9	1573.6	1599.4	1657.6	1702.8
10°	1342.5	1436.2	1481.5	1618.8	1686.7
12.5°	1273.1	1328.0	1358.8	1551.0	1664.1
15°	1229.5	1268.3	1290.9	1460.5	1638.2
17.5°	1195.5	1223.0	1239.2	1371.7	1602.7
20°	1174.5	1187.5	1202.0	1307.0	1562.3
22.5°	1160.0	1151.9	1163.2	1261.8	1507.4
25°	1150.3	1119.6	1132.6	1226.3	1442.8
27.5°	1158.4	1090.6	1095.4	1193.9	1374.9
30°	1160.0	1055.0	1056.6	1160.0	1298.9
32.5°	1148.7	1017.8	1019.4	1118.0	1213.3
35°	1121.2	974.2	972.6	1069.5	1097.0
37.5°	1084.0	927.4	927.4	1016.2	969.4
40°	1038.8	880.5	885.4	946.7	856.2
42.5°	983.9	830.4	836.9	854.6	772.2
45°	924.1	782.0	786.8	722.1	707.6
47.5°	857.8	731.9	733.5	599.4	686.6
50°	778.7	680.1	673.7	513.8	685.0
52.5°	709.2	623.6	604.3	465.3	622.0
55°	641.4	563.9	521.9	428.2	576.8
57.5°	581.6	486.3	445.9	384.5	567.1
60°	526.7	410.3	379.7	337.7	520.3
62.5°	481.5	353.8	347.4	305.4	471.8
65°	433.0	315.0	313.4	277.9	400.7
67.5°	386.2	289.2	287.6	252.1	305.4
70°	336.1	261.7	258.5	224.6	226.2
72.5°	284.3	231.0	227.8	202.0	187.4
75°	232.6	195.5	193.8	176.1	151.8
77.5°	182.6	155.1	158.4	142.2	111.5
80°	130.9	113.1	116.4	101.8	84.0
82.5°	87.2	74.4	77.6	64.6	56.5
85°	48.5	42.0	43.6	34.0	25.9
87.5°	22.6	19.4	19.4	12.9	8.1
90°	44.1	28.0	26.0	18.1	10.0
92.5°	271.9	193.4	176.3	108.2	40.1
95°	669.0	376.8	345.6	220.9	96.2
97.5°	901.1	413.9	386.3	276.3	166.3
100°	985.6	444.9	419.9	320.2	220.4
102.5°	1024.4	475.9	452.7	359.6	266.5
105°	1053.1	522.0	502.4	423.5	344.7
107.5°	1058.4	590.2	571.8	498.3	424.9
110°	1050.4	628.3	611.6	545.3	479.0



TEST NUMBER: P935049

CATALOG NUMBER: SQ4-FA-100U-050D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1050.8	674.4	658.5	595.3	532.1
115°	1060.4	743.5	728.9	670.6	612.2
117.5°	1080.2	810.6	797.4	744.4	691.4
120°	1096.3	849.7	837.3	787.3	737.5
122.5°	1119.3	895.8	883.2	833.0	782.6
125°	1150.3	954.9	943.4	897.6	851.7
127.5°	1181.4	1012.0	1000.5	954.1	907.8
130°	1204.1	1050.1	1037.6	987.8	937.9
132.5°	1222.4	1081.2	1068.7	1018.8	969.0
135°	1242.5	1117.2	1105.9	1060.4	1015.1
137.5°	1272.5	1163.3	1152.1	1107.1	1062.1
140°	1290.9	1194.4	1184.0	1142.7	1101.2
142.5°	1306.2	1217.4	1207.9	1169.6	1131.3
145°	1326.3	1252.5	1244.2	1210.8	1177.4
147.5°	1355.7	1296.6	1288.5	1256.0	1223.5
150°	1371.1	1319.7	1312.3	1282.9	1253.5
152.5°	1381.1	1334.7	1329.1	1306.8	1284.6
155°	1403.2	1367.7	1363.7	1347.1	1330.7
157.5°	1425.2	1400.8	1396.8	1380.8	1364.7
160°	1435.2	1415.8	1412.7	1400.3	1387.7
162.5°	1445.9	1431.8	1429.5	1420.1	1410.8
165°	1461.2	1454.9	1452.8	1444.3	1435.8
167.5°	1473.3	1468.0	1466.9	1462.9	1458.9
170°	1483.3	1483.0	1482.0	1478.0	1474.0
172.5°	1483.9	1483.9	1483.7	1482.8	1481.9
175°	1490.0	1493.0	1493.0	1493.0	1493.0
177.5°	1490.7	1493.0	1493.0	1493.0	1493.0
180°	1493.0	1493.0	1493.0	1493.0	1493.0



TEST NUMBER: P935049
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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	8.57	9.29	9.67	10.38	11.90	11.42	12.14	12.52	13.24	14.75
	3H	9.04	9.68	10.15	10.78	12.31	12.76	13.40	13.87	14.51	16.04
	4H	9.22	9.83	10.34	10.94	12.47	13.20	13.81	14.33	14.92	16.46
	6H	9.33	9.89	10.46	11.00	12.55	13.49	14.05	14.62	15.16	16.71
	8H	9.33	9.86	10.46	10.99	12.53	13.56	14.09	14.69	15.22	16.76
	12H	9.29	9.80	10.43	10.92	12.48	13.60	14.10	14.73	15.22	16.79
4H	2H	9.59	10.20	10.72	11.31	12.84	11.81	12.42	12.94	13.53	15.06
	3H	10.60	11.11	11.74	12.24	13.79	13.31	13.82	14.44	14.95	16.50
	4H	10.87	11.34	12.01	12.46	14.03	13.84	14.30	14.97	15.43	16.99
	6H	10.99	11.39	12.13	12.54	14.10	14.20	14.60	15.34	15.74	17.30
	8H	10.99	11.36	12.14	12.50	14.08	14.31	14.68	15.45	15.82	17.39
	12H	10.95	11.29	12.11	12.44	14.02	14.36	14.70	15.52	15.85	17.43
8H	4H	11.32	11.69	12.46	12.83	14.41	13.95	14.32	15.09	15.46	17.04
	6H	11.57	11.88	12.74	13.06	14.64	14.38	14.69	15.55	15.87	17.45
	8H	11.62	11.88	12.78	13.04	14.64	14.54	14.81	15.71	15.97	17.56
	12H	11.59	11.83	12.77	12.98	14.61	14.63	14.87	15.81	16.03	17.65
12H	4H	11.32	11.66	12.48	12.81	14.39	13.91	14.24	15.07	15.39	16.98
	6H	11.63	11.90	12.80	13.06	14.66	14.38	14.65	15.55	15.81	17.40
	8H	11.69	11.93	12.87	13.09	14.71	14.54	14.77	15.71	15.93	17.56