

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: P935021

Luminaire Tested: SQ4-FA-100U-050D-927-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935021
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-927-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

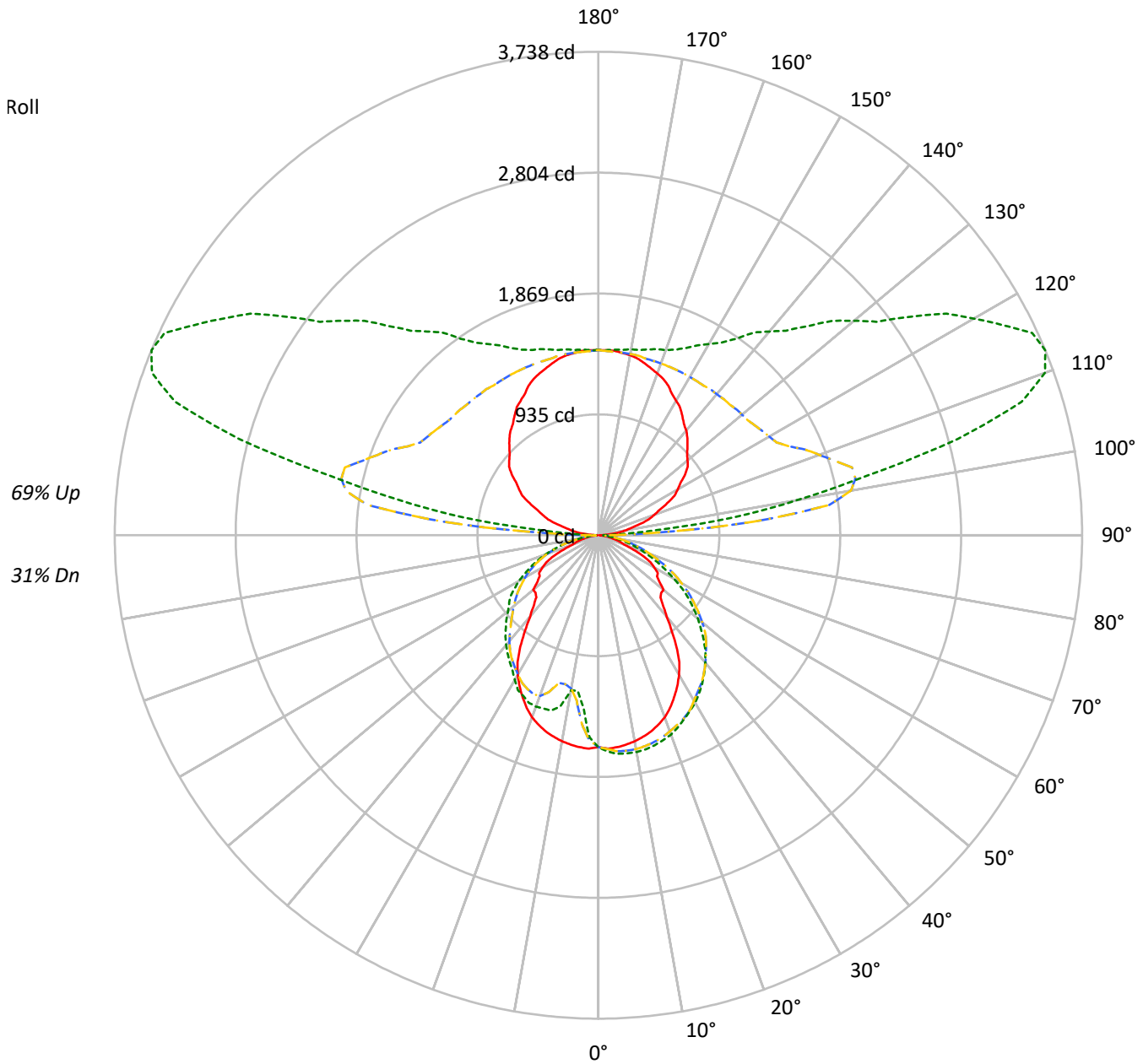
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13532.0 lumens
Efficiency: N/A
Efficacy: 109.5 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°	5065	5065	5065	5065
5°	5105	5113	5105	4020
10°	5072	5036	5072	3601
15°	5019	4927	5019	4114
20°	4916	4798	4916	4123
25°	4703	4609	4703	4036
30°	4427	4453	4427	3844
35°	3949	4255	3949	3633
40°	3292	4022	3292	3474
45°	2943	3749	2943	3290
50°	3130	3423	3130	3107
55°	2948	3073	2948	3000
60°	3042	2610	3042	2748
65°	2763	2158	2763	2412
70°	1918	1720	1918	2022
75°	1688	1271	1688	1522
80°	1369	840	1369	915
85°	804	445	804	378

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 4509 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.8	1.1
10°-20°	419.7	3.1
20°-30°	648.8	4.8
30°-40°	774.5	5.7
40°-50°	779.0	5.8
50°-60°	677.8	5.0
60°-70°	480.6	3.6
70°-80°	254.3	1.9
80°-90°	68.8	0.5
90°-100°	697.8	5.2
100°-110°	1834.7	13.6
110°-120°	1902.4	14.1
120°-130°	1525.9	11.3
130°-140°	1197.3	8.8
140°-150°	919.0	6.8
150°-160°	661.8	4.9
160°-170°	404.9	3.0
170°-180°	136.8	1.0
0°-30°	1216.3	9.0
0°-40°	1990.7	14.7
0°-60°	3447.6	25.5
0°-90°	4251.2	31.4
90°-120°	4434.9	32.8
90°-150°	8077.2	59.7
90°-180°	9281.0	68.6
0°-180°	13532.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1638	1638	1638	1638	1638	
5°	1645	1696	1645	1334	1645	156
15°	1571	1681	1571	1404	1571	442
25°	1384	1568	1384	1373	1384	635
35°	1052	1399	1052	1194	1052	651
45°	678	1153	678	1012	678	544
55°	553	850	553	830	553	508
65°	384	513	384	573	384	367
75°	146	243	146	291	146	153
85°	25	62	25	53	25	33
90°	10	36	10	36	10	9
95°	92	422	92	422	92	102
105°	331	2873	331	2873	331	350
115°	587	3699	587	3699	587	580
125°	817	2946	817	2946	817	725
135°	973	2286	973	2286	973	753
145°	1129	1854	1129	1854	1129	707
155°	1276	1597	1276	1597	1276	586
165°	1377	1487	1377	1487	1377	389
175°	1432	1441	1432	1441	1432	136
180°	1432	1432	1432	1432	1432	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5
2.5°	1651.4	1651.4	1660.7	1663.8	1663.8	1659.2	1654.6	1659.2	1673.1	1677.8	1676.2
5°	1645.3	1657.7	1674.7	1677.8	1680.9	1679.4	1676.2	1679.4	1694.8	1697.9	1699.5
7.5°	1632.9	1656.1	1677.8	1682.4	1687.1	1682.4	1680.9	1684.0	1699.5	1702.5	1702.5
10°	1617.4	1649.9	1674.7	1677.8	1682.4	1677.8	1677.8	1684.0	1699.5	1702.5	1704.2
12.5°	1595.7	1640.6	1663.8	1667.0	1673.1	1671.6	1670.1	1676.2	1691.8	1694.8	1694.8
15°	1570.9	1623.5	1645.3	1648.3	1659.2	1656.1	1656.1	1662.3	1679.4	1684.0	1682.4
17.5°	1536.8	1601.9	1626.7	1631.3	1639.1	1637.5	1639.1	1645.3	1660.7	1663.8	1665.4
20°	1498.1	1572.4	1601.9	1606.5	1614.3	1614.3	1614.3	1622.0	1637.5	1643.7	1643.7
22.5°	1445.4	1541.5	1572.4	1575.6	1584.8	1584.8	1588.0	1598.8	1612.7	1614.3	1614.3
25°	1383.5	1507.4	1533.7	1543.0	1552.3	1556.9	1561.6	1567.8	1572.4	1570.9	1572.4
27.5°	1318.4	1464.0	1498.1	1504.3	1516.7	1521.3	1527.5	1529.1	1530.6	1535.2	1532.1
30°	1245.6	1403.6	1454.7	1460.9	1481.0	1484.2	1477.9	1481.0	1488.8	1491.9	1495.0
32.5°	1163.5	1313.7	1409.8	1423.7	1442.3	1433.0	1431.4	1436.1	1448.5	1448.5	1451.6
35°	1051.9	1244.0	1368.0	1380.4	1394.3	1383.5	1389.6	1391.2	1398.9	1403.6	1402.0
37.5°	929.5	1183.6	1324.6	1333.9	1344.7	1330.8	1340.0	1344.7	1350.9	1347.8	1347.8
40°	821.1	1089.1	1273.4	1279.7	1288.9	1278.1	1287.4	1290.5	1293.6	1290.5	1288.9
42.5°	740.5	985.3	1219.2	1227.0	1220.8	1228.5	1231.6	1237.9	1233.2	1227.0	1227.0
45°	678.5	957.4	1160.4	1169.6	1160.4	1172.8	1177.4	1177.4	1163.5	1160.4	1158.8
47.5°	658.4	901.7	1101.5	1101.5	1096.9	1112.3	1120.0	1109.3	1095.3	1090.6	1090.6
50°	656.9	839.7	1020.9	1014.7	1036.4	1055.0	1047.3	1036.4	1025.6	1008.5	1008.5
52.5°	596.4	763.8	917.1	940.4	974.4	985.3	972.9	962.0	943.5	935.7	929.5
55°	553.1	684.8	822.6	869.1	904.8	918.7	895.4	884.6	856.7	852.1	849.0
57.5°	543.8	570.1	735.9	794.7	838.1	836.6	822.6	802.5	779.2	774.6	773.1
60°	498.9	412.1	643.0	712.6	757.5	752.9	740.5	722.0	700.2	697.2	694.1
62.5°	452.4	299.0	537.5	616.6	680.1	678.5	667.7	639.8	624.3	616.6	610.4
65°	384.2	250.9	382.7	512.8	604.2	607.3	584.0	563.9	546.9	537.5	536.0
67.5°	292.8	204.5	258.7	427.6	531.4	528.3	498.9	489.6	467.9	463.2	453.9
70°	216.9	136.4	179.7	347.0	460.2	452.4	429.1	418.3	398.2	387.3	381.1
72.5°	179.7	110.0	131.7	269.6	387.3	378.0	357.9	345.5	328.4	319.2	312.9
75°	145.6	116.2	100.7	199.8	314.5	308.3	289.7	277.3	263.3	250.9	252.5
77.5°	106.9	108.4	80.5	147.1	249.4	240.2	229.3	213.8	207.6	195.2	195.2
80°	80.5	85.2	60.4	100.7	179.7	179.7	170.4	159.5	148.7	142.5	142.5
82.5°	54.2	54.2	44.9	63.5	122.4	117.7	111.6	108.4	102.3	99.2	99.2
85°	24.8	31.0	27.9	38.7	66.6	69.7	69.7	66.6	65.1	62.0	63.5
87.5°	7.8	13.9	17.0	21.7	34.1	35.7	37.2	37.2	37.2	38.7	38.7
90°	9.6	17.3	24.9	26.9	42.3	62.8	73.0	64.9	48.7	36.5	36.5
92.5°	38.4	103.7	169.1	185.4	260.7	361.1	411.3	360.4	258.8	182.6	175.3
95°	92.2	211.8	331.4	361.3	641.5	1015.2	1202.0	1072.6	813.8	619.7	597.7
97.5°	159.5	265.0	370.4	396.9	864.1	1487.1	1798.6	1716.9	1553.3	1430.7	1388.8
100°	211.4	307.0	402.6	426.6	945.1	1636.5	1982.2	1988.2	2000.2	2009.1	1959.3
102.5°	255.6	344.8	434.0	456.4	982.3	1683.5	2034.1	2138.3	2346.7	2503.0	2460.2
105°	330.6	406.1	481.7	500.6	1009.9	1688.8	2028.3	2262.0	2729.1	3079.5	3056.5
107.5°	407.4	477.9	548.3	566.0	1014.9	1613.6	1913.0	2238.9	2890.5	3379.2	3384.8
110°	459.3	522.9	586.5	602.4	1007.2	1547.0	1816.9	2181.2	2909.7	3456.1	3480.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	510.2	570.9	631.5	646.6	1007.6	1488.9	1729.5	2102.3	2847.9	3407.1	3443.8
115°	587.0	643.0	698.9	712.9	1016.9	1422.1	1624.8	1983.9	2702.2	3240.9	3291.8
117.5°	663.0	713.8	764.6	777.3	1035.8	1380.4	1552.7	1876.8	2525.1	3011.2	3067.7
120°	707.2	755.0	802.9	814.8	1051.2	1366.4	1523.9	1820.0	2412.3	2856.5	2911.4
122.5°	750.4	798.7	846.9	859.0	1073.3	1359.0	1501.8	1768.5	2301.8	2701.9	2756.0
125°	816.7	860.7	904.7	915.7	1103.0	1352.9	1477.8	1704.3	2157.4	2497.2	2547.0
127.5°	870.5	914.9	959.3	970.4	1132.8	1349.3	1457.6	1652.1	2041.1	2332.9	2374.9
130°	899.4	947.2	995.0	1006.9	1154.6	1351.5	1449.9	1623.1	1969.4	2229.2	2268.0
132.5°	929.2	977.0	1024.8	1036.7	1172.2	1352.8	1443.1	1598.1	1908.2	2140.8	2175.6
135°	973.4	1016.9	1060.4	1071.3	1191.4	1351.6	1431.7	1561.5	1821.0	2015.8	2045.8
137.5°	1018.5	1061.6	1104.7	1115.5	1220.2	1359.9	1429.7	1539.5	1759.0	1923.6	1948.2
140°	1056.0	1095.7	1135.4	1145.3	1237.9	1361.3	1423.0	1517.7	1707.4	1849.6	1872.6
142.5°	1084.8	1121.5	1158.2	1167.4	1252.6	1366.1	1423.0	1506.3	1672.8	1797.7	1817.4
145°	1129.0	1161.0	1193.0	1201.0	1271.8	1366.2	1413.4	1481.5	1617.7	1719.9	1734.8
147.5°	1173.2	1204.4	1235.5	1243.3	1300.0	1375.6	1413.4	1467.0	1574.2	1654.6	1667.0
150°	1202.0	1230.2	1258.3	1265.4	1314.8	1380.5	1413.4	1458.7	1549.2	1617.1	1627.1
152.5°	1231.8	1253.1	1274.5	1279.8	1324.3	1383.7	1413.4	1452.1	1529.3	1587.3	1594.8
155°	1276.0	1291.8	1307.6	1311.5	1345.5	1390.8	1413.4	1444.1	1505.6	1551.7	1556.7
157.5°	1308.6	1324.0	1339.4	1343.3	1366.7	1397.9	1413.4	1437.3	1485.1	1521.0	1524.5
160°	1330.7	1342.7	1354.7	1357.7	1376.2	1401.0	1413.4	1433.9	1474.9	1505.6	1507.6
162.5°	1352.8	1361.7	1370.8	1373.0	1386.5	1404.4	1413.4	1430.7	1465.2	1491.2	1493.1
165°	1376.8	1384.9	1393.1	1395.1	1401.2	1409.3	1413.4	1425.8	1450.5	1469.1	1471.1
167.5°	1398.9	1402.8	1406.6	1407.6	1412.7	1419.6	1423.0	1431.1	1447.4	1459.5	1460.4
170°	1413.4	1417.3	1421.1	1422.0	1422.3	1422.7	1423.0	1431.1	1447.4	1459.5	1459.5
172.5°	1421.0	1421.9	1422.7	1423.0	1423.0	1423.0	1423.0	1429.4	1442.2	1451.8	1451.1
175°	1431.7	1431.7	1431.7	1431.7	1428.7	1424.9	1423.0	1427.0	1435.1	1441.2	1441.2
177.5°	1431.7	1431.7	1431.7	1431.7	1429.4	1426.4	1424.9	1428.1	1434.5	1439.3	1438.4
180°	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5
2.5°	1679.4	1674.7	1679.4	1676.2	1677.8	1673.1	1659.2	1654.6	1659.2	1663.8	1663.8
5°	1699.5	1696.4	1699.5	1699.5	1697.9	1694.8	1679.4	1676.2	1679.4	1680.9	1677.8
7.5°	1705.7	1701.0	1705.7	1702.5	1702.5	1699.5	1684.0	1680.9	1682.4	1687.1	1682.4
10°	1705.7	1701.0	1705.7	1704.2	1702.5	1699.5	1684.0	1677.8	1677.8	1682.4	1677.8
12.5°	1697.9	1694.8	1697.9	1694.8	1694.8	1691.8	1676.2	1670.1	1671.6	1673.1	1667.0
15°	1685.5	1680.9	1685.5	1682.4	1684.0	1679.4	1662.3	1656.1	1656.1	1659.2	1648.3
17.5°	1667.0	1660.7	1667.0	1665.4	1663.8	1660.7	1645.3	1639.1	1637.5	1639.1	1631.3
20°	1645.3	1640.6	1645.3	1643.7	1643.7	1637.5	1622.0	1614.3	1614.3	1614.3	1606.5
22.5°	1611.1	1606.5	1611.1	1614.3	1614.3	1612.7	1598.8	1588.0	1584.8	1584.8	1575.6
25°	1572.4	1567.8	1572.4	1572.4	1570.9	1572.4	1567.8	1561.6	1556.9	1552.3	1543.0
27.5°	1535.2	1532.1	1535.2	1532.1	1535.2	1530.6	1529.1	1527.5	1521.3	1516.7	1504.3
30°	1498.1	1495.0	1498.1	1495.0	1491.9	1488.8	1481.0	1477.9	1484.2	1481.0	1460.9
32.5°	1451.6	1448.5	1451.6	1451.6	1448.5	1448.5	1436.1	1431.4	1433.0	1442.3	1423.7
35°	1403.6	1398.9	1403.6	1402.0	1403.6	1398.9	1391.2	1389.6	1383.5	1394.3	1380.4
37.5°	1347.8	1343.2	1347.8	1347.8	1347.8	1350.9	1344.7	1340.0	1330.8	1344.7	1333.9
40°	1290.5	1284.3	1290.5	1288.9	1290.5	1293.6	1290.5	1287.4	1278.1	1288.9	1279.7
42.5°	1225.5	1223.8	1225.5	1227.0	1227.0	1233.2	1237.9	1231.6	1228.5	1220.8	1227.0
45°	1155.7	1152.6	1155.7	1158.8	1160.4	1163.5	1177.4	1177.4	1172.8	1160.4	1169.6
47.5°	1081.3	1073.6	1081.3	1090.6	1090.6	1095.3	1109.3	1120.0	1112.3	1096.9	1101.5
50°	1002.3	1003.8	1002.3	1008.5	1008.5	1025.6	1036.4	1047.3	1055.0	1036.4	1014.7
52.5°	924.8	923.3	924.8	929.5	935.7	943.5	962.0	972.9	985.3	974.4	940.4
55°	847.4	850.5	847.4	849.0	852.1	856.7	884.6	895.4	918.7	904.8	869.1
57.5°	769.9	765.3	769.9	773.1	774.6	779.2	802.5	822.6	836.6	838.1	794.7
60°	680.1	673.9	680.1	694.1	697.2	700.2	722.0	740.5	752.9	757.5	712.6
62.5°	601.1	590.3	601.1	610.4	616.6	624.3	639.8	667.7	678.5	680.1	616.6
65°	517.4	512.8	517.4	536.0	537.5	546.9	563.9	584.0	607.3	604.2	512.8
67.5°	441.5	441.5	441.5	453.9	463.2	467.9	489.6	498.9	528.3	531.4	427.6
70°	371.8	370.3	371.8	381.1	387.3	398.2	418.3	429.1	452.4	460.2	347.0
72.5°	305.2	303.6	305.2	312.9	319.2	328.4	345.5	357.9	378.0	387.3	269.6
75°	246.3	243.2	246.3	252.5	250.9	263.3	277.3	289.7	308.3	314.5	199.8
77.5°	189.0	189.0	189.0	195.2	195.2	207.6	213.8	229.3	240.2	249.4	147.1
80°	141.0	139.4	141.0	142.5	142.5	148.7	159.5	170.4	179.7	179.7	100.7
82.5°	99.2	96.0	99.2	99.2	99.2	102.3	108.4	111.6	117.7	122.4	63.5
85°	62.0	62.0	62.0	63.5	62.0	65.1	66.6	69.7	69.7	66.6	38.7
87.5°	40.3	38.7	40.3	38.7	38.7	37.2	37.2	37.2	35.7	34.1	21.7
90°	36.5	36.5	36.5	36.5	36.5	48.7	64.9	73.0	62.8	42.3	26.9
92.5°	146.2	117.2	146.2	175.3	182.6	258.8	360.4	411.3	361.1	260.7	185.4
95°	509.7	421.8	509.7	597.7	619.7	813.8	1072.6	1202.0	1015.2	641.5	361.3
97.5°	1221.5	1054.1	1221.5	1388.8	1430.7	1553.3	1716.9	1798.6	1487.1	864.1	396.9
100°	1759.8	1560.4	1759.8	1959.3	2009.1	2000.2	1988.2	1982.2	1636.5	945.1	426.6
102.5°	2289.4	2118.7	2289.4	2460.2	2503.0	2346.7	2138.3	2034.1	1683.5	982.3	456.4
105°	2964.7	2872.9	2964.7	3056.5	3079.5	2729.1	2262.0	2028.3	1688.8	1009.9	500.6
107.5°	3407.0	3429.2	3407.0	3384.8	3379.2	2890.5	2238.9	1913.0	1613.6	1014.9	566.0
110°	3575.6	3671.4	3575.6	3480.0	3456.1	2909.7	2181.2	1816.9	1547.0	1007.2	602.4



TEST NUMBER: P935021

CATALOG NUMBER: SQ4-FA-100U-050D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3590.7	3737.7	3590.7	3443.8	3407.1	2847.9	2102.3	1729.5	1488.9	1007.6	646.6
115°	3495.5	3699.2	3495.5	3291.8	3240.9	2702.2	1983.9	1624.8	1422.1	1016.9	712.9
117.5°	3293.6	3519.5	3293.6	3067.7	3011.2	2525.1	1876.8	1552.7	1380.4	1035.8	777.3
120°	3130.9	3350.4	3130.9	2911.4	2856.5	2412.3	1820.0	1523.9	1366.4	1051.2	814.8
122.5°	2972.4	3189.0	2972.4	2756.0	2701.9	2301.8	1768.5	1501.8	1359.0	1073.3	859.0
125°	2746.4	2945.9	2746.4	2547.0	2497.2	2157.4	1704.3	1477.8	1352.9	1103.0	915.7
127.5°	2543.2	2711.5	2543.2	2374.9	2332.9	2041.1	1652.1	1457.6	1349.3	1132.8	970.4
130°	2423.4	2578.9	2423.4	2268.0	2229.2	1969.4	1623.1	1449.9	1351.5	1154.6	1006.9
132.5°	2314.8	2454.0	2314.8	2175.6	2140.8	1908.2	1598.1	1443.1	1352.8	1172.2	1036.7
135°	2165.8	2285.8	2165.8	2045.8	2015.8	1821.0	1561.5	1431.7	1351.6	1191.4	1071.3
137.5°	2046.4	2144.6	2046.4	1948.2	1923.6	1759.0	1539.5	1429.7	1359.9	1220.2	1115.5
140°	1964.4	2056.2	1964.4	1872.6	1849.6	1707.4	1517.7	1423.0	1361.3	1237.9	1145.3
142.5°	1896.4	1975.4	1896.4	1817.4	1797.7	1672.8	1506.3	1423.0	1366.1	1252.6	1167.4
145°	1794.6	1854.4	1794.6	1734.8	1719.9	1617.7	1481.5	1413.4	1366.2	1271.8	1201.0
147.5°	1716.5	1766.0	1716.5	1667.0	1654.6	1574.2	1467.0	1413.4	1375.6	1300.0	1243.3
150°	1667.3	1707.4	1667.3	1627.1	1617.1	1549.2	1458.7	1413.4	1380.5	1314.8	1265.4
152.5°	1625.2	1655.5	1625.2	1594.8	1587.3	1529.3	1452.1	1413.4	1383.7	1324.3	1279.8
155°	1576.8	1596.9	1576.8	1556.7	1551.7	1505.6	1444.1	1413.4	1390.8	1345.5	1311.5
157.5°	1538.6	1552.7	1538.6	1524.5	1521.0	1485.1	1437.3	1413.4	1397.9	1366.7	1343.3
160°	1515.7	1523.9	1515.7	1507.6	1505.6	1474.9	1433.9	1413.4	1401.0	1376.2	1357.7
162.5°	1500.8	1508.5	1500.8	1493.1	1491.2	1465.2	1430.7	1413.4	1404.4	1386.5	1373.0
165°	1479.2	1487.3	1479.2	1471.1	1469.1	1450.5	1425.8	1413.4	1409.3	1401.2	1395.1
167.5°	1463.8	1467.2	1463.8	1460.4	1459.5	1447.4	1431.1	1423.0	1419.6	1412.7	1407.6
170°	1459.5	1459.5	1459.5	1459.5	1459.5	1447.4	1431.1	1423.0	1422.7	1422.3	1422.0
172.5°	1448.1	1445.1	1448.1	1451.1	1451.8	1442.2	1429.4	1423.0	1423.0	1423.0	1423.0
175°	1441.2	1441.2	1441.2	1441.2	1441.2	1435.1	1427.0	1423.0	1424.9	1428.7	1431.7
177.5°	1435.0	1431.7	1435.0	1438.4	1439.3	1434.5	1428.1	1424.9	1426.4	1429.4	1431.7
180°	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7



TEST NUMBER: P935021

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5
2.5°	1660.7	1651.4	1651.4	1635.9	1629.8	1625.1	1617.4	1594.1	1588.0	1581.7	1591.1
5°	1674.7	1657.7	1645.3	1617.4	1594.1	1584.8	1555.4	1499.7	1462.5	1434.6	1419.1
7.5°	1677.8	1656.1	1632.9	1589.5	1533.7	1508.9	1419.1	1316.9	1288.9	1264.2	1248.6
10°	1674.7	1649.9	1617.4	1552.3	1420.6	1377.2	1287.4	1220.8	1203.7	1199.1	1203.7
12.5°	1663.8	1640.6	1595.7	1487.3	1302.9	1273.4	1220.8	1182.0	1178.9	1186.7	1228.5
15°	1645.3	1623.5	1570.9	1400.5	1237.9	1216.1	1178.9	1165.0	1182.0	1236.2	1361.7
17.5°	1626.7	1601.9	1536.8	1315.3	1188.3	1172.8	1146.4	1174.3	1270.3	1343.2	1385.0
20°	1601.9	1572.4	1498.1	1253.3	1152.6	1138.7	1126.3	1251.8	1324.6	1350.9	1374.1
22.5°	1572.4	1541.5	1445.4	1209.9	1115.4	1104.6	1112.3	1295.1	1324.6	1343.2	1363.3
25°	1533.7	1507.4	1383.5	1175.9	1086.0	1073.6	1103.0	1290.5	1307.5	1312.2	1352.4
27.5°	1498.1	1464.0	1318.4	1144.8	1050.4	1045.7	1110.8	1270.3	1282.7	1287.4	1330.8
30°	1454.7	1403.6	1245.6	1112.3	1013.2	1011.6	1112.3	1245.6	1242.5	1254.9	1298.2
32.5°	1409.8	1313.7	1163.5	1072.1	977.5	976.0	1101.5	1208.4	1205.3	1222.3	1254.9
35°	1368.0	1244.0	1051.9	1025.6	932.6	934.2	1075.2	1165.0	1166.6	1182.0	1202.2
37.5°	1324.6	1183.6	929.5	974.4	889.3	889.3	1039.5	1124.7	1121.7	1126.3	1154.2
40°	1273.4	1089.1	821.1	907.8	849.0	844.3	996.1	1081.3	1070.5	1069.0	1107.6
42.5°	1219.2	985.3	740.5	819.5	802.5	796.3	943.5	1028.6	1008.5	1013.2	1062.8
45°	1160.4	957.4	678.5	692.5	754.4	749.8	886.1	968.3	954.3	966.7	1017.9
47.5°	1101.5	901.7	658.4	574.7	703.3	701.8	822.6	909.4	901.7	914.1	968.3
50°	1020.9	839.7	656.9	492.6	646.0	652.2	746.7	852.1	852.1	862.9	920.2
52.5°	917.1	763.8	596.4	446.1	579.4	598.0	680.1	802.5	805.6	816.4	867.6
55°	822.6	684.8	553.1	410.6	500.4	540.7	615.0	751.4	757.5	768.4	814.9
57.5°	735.9	570.1	543.8	368.7	427.6	466.3	557.7	701.8	704.9	714.2	759.1
60°	643.0	412.1	498.9	323.8	364.1	393.5	505.0	643.0	653.7	660.0	698.7
62.5°	537.5	299.0	452.4	292.8	333.1	339.3	461.7	587.1	601.1	605.8	629.0
65°	382.7	250.9	384.2	266.5	300.5	302.1	415.2	529.8	542.2	549.9	567.0
67.5°	258.7	204.5	292.8	241.7	275.7	277.3	370.3	463.2	480.2	486.5	497.3
70°	179.7	136.4	216.9	215.4	247.9	250.9	322.2	402.8	418.3	423.0	429.1
72.5°	131.7	110.0	179.7	193.7	218.4	221.5	272.7	334.6	350.1	354.7	357.9
75°	100.7	116.2	145.6	168.9	185.9	187.4	223.1	272.7	283.5	286.6	288.1
77.5°	80.5	108.4	106.9	136.4	151.8	148.7	175.1	210.7	220.0	220.0	220.0
80°	60.4	85.2	80.5	97.6	111.6	108.4	125.5	150.3	153.4	156.5	154.9
82.5°	44.9	54.2	54.2	62.0	74.4	71.3	83.6	97.6	97.6	97.6	100.7
85°	27.9	31.0	24.8	32.6	41.8	40.3	46.5	52.7	54.2	54.2	51.1
87.5°	17.0	13.9	7.8	12.4	18.6	18.6	21.7	23.3	21.7	21.7	21.7
90°	24.9	17.3	9.6	17.3	24.9	26.9	42.3	62.8	73.0	64.9	48.7
92.5°	169.1	103.7	38.4	103.7	169.1	185.4	260.7	361.1	411.3	360.4	258.8
95°	331.4	211.8	92.2	211.8	331.4	361.3	641.5	1015.2	1202.0	1072.6	813.8
97.5°	370.4	265.0	159.5	265.0	370.4	396.9	864.1	1487.1	1798.6	1716.9	1553.3
100°	402.6	307.0	211.4	307.0	402.6	426.6	945.1	1636.5	1982.2	1988.2	2000.2
102.5°	434.0	344.8	255.6	344.8	434.0	456.4	982.3	1683.5	2034.1	2138.3	2346.7
105°	481.7	406.1	330.6	406.1	481.7	500.6	1009.9	1688.8	2028.3	2262.0	2729.1
107.5°	548.3	477.9	407.4	477.9	548.3	566.0	1014.9	1613.6	1913.0	2238.9	2890.5
110°	586.5	522.9	459.3	522.9	586.5	602.4	1007.2	1547.0	1816.9	2181.2	2909.7



TEST NUMBER: P935021

CATALOG NUMBER: SQ4-FA-100U-050D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	631.5	570.9	510.2	570.9	631.5	646.6	1007.6	1488.9	1729.5	2102.3	2847.9
115°	698.9	643.0	587.0	643.0	698.9	712.9	1016.9	1422.1	1624.8	1983.9	2702.2
117.5°	764.6	713.8	663.0	713.8	764.6	777.3	1035.8	1380.4	1552.7	1876.8	2525.1
120°	802.9	755.0	707.2	755.0	802.9	814.8	1051.2	1366.4	1523.9	1820.0	2412.3
122.5°	846.9	798.7	750.4	798.7	846.9	859.0	1073.3	1359.0	1501.8	1768.5	2301.8
125°	904.7	860.7	816.7	860.7	904.7	915.7	1103.0	1352.9	1477.8	1704.3	2157.4
127.5°	959.3	914.9	870.5	914.9	959.3	970.4	1132.8	1349.3	1457.6	1652.1	2041.1
130°	995.0	947.2	899.4	947.2	995.0	1006.9	1154.6	1351.5	1449.9	1623.1	1969.4
132.5°	1024.8	977.0	929.2	977.0	1024.8	1036.7	1172.2	1352.8	1443.1	1598.1	1908.2
135°	1060.4	1016.9	973.4	1016.9	1060.4	1071.3	1191.4	1351.6	1431.7	1561.5	1821.0
137.5°	1104.7	1061.6	1018.5	1061.6	1104.7	1115.5	1220.2	1359.9	1429.7	1539.5	1759.0
140°	1135.4	1095.7	1056.0	1095.7	1135.4	1145.3	1237.9	1361.3	1423.0	1517.7	1707.4
142.5°	1158.2	1121.5	1084.8	1121.5	1158.2	1167.4	1252.6	1366.1	1423.0	1506.3	1672.8
145°	1193.0	1161.0	1129.0	1161.0	1193.0	1201.0	1271.8	1366.2	1413.4	1481.5	1617.7
147.5°	1235.5	1204.4	1173.2	1204.4	1235.5	1243.3	1300.0	1375.6	1413.4	1467.0	1574.2
150°	1258.3	1230.2	1202.0	1230.2	1258.3	1265.4	1314.8	1380.5	1413.4	1458.7	1549.2
152.5°	1274.5	1253.1	1231.8	1253.1	1274.5	1279.8	1324.3	1383.7	1413.4	1452.1	1529.3
155°	1307.6	1291.8	1276.0	1291.8	1307.6	1311.5	1345.5	1390.8	1413.4	1444.1	1505.6
157.5°	1339.4	1324.0	1308.6	1324.0	1339.4	1343.3	1366.7	1397.9	1413.4	1437.3	1485.1
160°	1354.7	1342.7	1330.7	1342.7	1354.7	1357.7	1376.2	1401.0	1413.4	1433.9	1474.9
162.5°	1370.8	1361.7	1352.8	1361.7	1370.8	1373.0	1386.5	1404.4	1413.4	1430.7	1465.2
165°	1393.1	1384.9	1376.8	1384.9	1393.1	1395.1	1401.2	1409.3	1413.4	1425.8	1450.5
167.5°	1406.6	1402.8	1398.9	1402.8	1406.6	1407.6	1412.7	1419.6	1423.0	1431.1	1447.4
170°	1421.1	1417.3	1413.4	1417.3	1421.1	1422.0	1422.3	1422.7	1423.0	1431.1	1447.4
172.5°	1422.7	1421.9	1421.0	1421.9	1422.7	1423.0	1423.0	1423.0	1423.0	1429.4	1442.2
175°	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1428.7	1424.9	1423.0	1427.0	1435.1
177.5°	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1429.4	1426.4	1424.9	1428.1	1434.5
180°	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7



TEST NUMBER: P935021

CATALOG NUMBER: SQ4-FA-100U-050D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5
2.5°	1580.2	1575.6	1581.7	1564.7	1581.7	1575.6	1580.2	1591.1	1581.7	1588.0	1594.1
5°	1386.5	1378.8	1354.0	1333.9	1354.0	1378.8	1386.5	1419.1	1434.6	1462.5	1499.7
7.5°	1239.4	1233.2	1227.0	1214.6	1227.0	1233.2	1239.4	1248.6	1264.2	1288.9	1316.9
10°	1206.8	1208.4	1217.7	1216.1	1217.7	1208.4	1206.8	1203.7	1199.1	1203.7	1220.8
12.5°	1290.5	1304.5	1355.6	1352.4	1355.6	1304.5	1290.5	1228.5	1186.7	1178.9	1182.0
15°	1386.5	1391.2	1402.0	1403.6	1402.0	1391.2	1386.5	1361.7	1236.2	1182.0	1165.0
17.5°	1395.9	1397.4	1405.1	1405.1	1405.1	1397.4	1395.9	1385.0	1343.2	1270.3	1174.3
20°	1388.1	1391.2	1406.7	1409.8	1406.7	1391.2	1388.1	1374.1	1350.9	1324.6	1251.8
22.5°	1385.0	1391.2	1403.6	1402.0	1403.6	1391.2	1385.0	1363.3	1343.2	1324.6	1295.1
25°	1369.5	1369.5	1371.1	1372.6	1371.1	1369.5	1369.5	1352.4	1312.2	1307.5	1290.5
27.5°	1337.0	1340.0	1349.3	1347.8	1349.3	1340.0	1337.0	1330.8	1287.4	1282.7	1270.3
30°	1307.5	1304.5	1296.7	1290.5	1296.7	1304.5	1307.5	1298.2	1254.9	1242.5	1245.6
32.5°	1257.9	1250.2	1242.5	1237.9	1242.5	1250.2	1257.9	1254.9	1222.3	1205.3	1208.4
35°	1199.1	1200.7	1199.1	1194.4	1199.1	1200.7	1199.1	1202.2	1182.0	1166.6	1165.0
37.5°	1157.2	1160.4	1158.8	1152.6	1158.8	1160.4	1157.2	1154.2	1126.3	1121.7	1124.7
40°	1113.9	1115.4	1113.9	1109.3	1113.9	1115.4	1113.9	1107.6	1069.0	1070.5	1081.3
42.5°	1072.1	1070.5	1065.8	1062.8	1065.8	1070.5	1072.1	1062.8	1013.2	1008.5	1028.6
45°	1024.0	1025.6	1016.2	1011.6	1016.2	1025.6	1024.0	1017.9	966.7	954.3	968.3
47.5°	976.0	976.0	968.3	963.6	968.3	976.0	976.0	968.3	914.1	901.7	909.4
50°	924.8	923.3	912.4	910.9	912.4	923.3	924.8	920.2	862.9	852.1	852.1
52.5°	866.0	866.0	867.6	870.6	867.6	866.0	866.0	867.6	816.4	805.6	802.5
55°	814.9	816.4	827.3	830.4	827.3	816.4	814.9	814.9	768.4	757.5	751.4
57.5°	762.2	762.2	769.9	769.9	769.9	762.2	762.2	759.1	714.2	704.9	701.8
60°	701.8	704.9	711.1	709.6	711.1	704.9	701.8	698.7	660.0	653.7	643.0
62.5°	638.3	641.4	643.0	639.8	643.0	641.4	638.3	629.0	605.8	601.1	587.1
65°	571.6	574.7	576.3	573.2	576.3	574.7	571.6	567.0	549.9	542.2	529.8
67.5°	503.5	502.0	500.4	506.6	500.4	502.0	503.5	497.3	486.5	480.2	463.2
70°	433.7	433.7	432.2	435.4	432.2	433.7	433.7	429.1	423.0	418.3	402.8
72.5°	359.4	357.9	364.1	359.4	364.1	357.9	359.4	357.9	354.7	350.1	334.6
75°	286.6	289.7	286.6	291.2	286.6	289.7	286.6	288.1	286.6	283.5	272.7
77.5°	218.4	221.5	218.4	218.4	218.4	221.5	218.4	220.0	220.0	220.0	210.7
80°	154.9	153.4	153.4	151.8	153.4	153.4	154.9	154.9	156.5	153.4	150.3
82.5°	99.2	97.6	97.6	100.7	97.6	97.6	99.2	100.7	97.6	97.6	97.6
85°	54.2	55.7	52.7	52.7	52.7	55.7	54.2	51.1	54.2	54.2	52.7
87.5°	20.2	18.6	18.6	18.6	18.6	18.6	20.2	21.7	21.7	21.7	23.3
90°	36.5	36.5	36.5	36.5	36.5	36.5	36.5	48.7	64.9	73.0	62.8
92.5°	182.6	175.3	146.2	117.2	146.2	175.3	182.6	258.8	360.4	411.3	361.1
95°	619.7	597.7	509.7	421.8	509.7	597.7	619.7	813.8	1072.6	1202.0	1015.2
97.5°	1430.7	1388.8	1221.5	1054.1	1221.5	1388.8	1430.7	1553.3	1716.9	1798.6	1487.1
100°	2009.1	1959.3	1759.8	1560.4	1759.8	1959.3	2009.1	2000.2	1988.2	1982.2	1636.5
102.5°	2503.0	2460.2	2289.4	2118.7	2289.4	2460.2	2503.0	2346.7	2138.3	2034.1	1683.5
105°	3079.5	3056.5	2964.7	2872.9	2964.7	3056.5	3079.5	2729.1	2262.0	2028.3	1688.8
107.5°	3379.2	3384.8	3407.0	3429.2	3407.0	3384.8	3379.2	2890.5	2238.9	1913.0	1613.6
110°	3456.1	3480.0	3575.6	3671.4	3575.6	3480.0	3456.1	2909.7	2181.2	1816.9	1547.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3407.1	3443.8	3590.7	3737.7	3590.7	3443.8	3407.1	2847.9	2102.3	1729.5	1488.9
115°	3240.9	3291.8	3495.5	3699.2	3495.5	3291.8	3240.9	2702.2	1983.9	1624.8	1422.1
117.5°	3011.2	3067.7	3293.6	3519.5	3293.6	3067.7	3011.2	2525.1	1876.8	1552.7	1380.4
120°	2856.5	2911.4	3130.9	3350.4	3130.9	2911.4	2856.5	2412.3	1820.0	1523.9	1366.4
122.5°	2701.9	2756.0	2972.4	3189.0	2972.4	2756.0	2701.9	2301.8	1768.5	1501.8	1359.0
125°	2497.2	2547.0	2746.4	2945.9	2746.4	2547.0	2497.2	2157.4	1704.3	1477.8	1352.9
127.5°	2332.9	2374.9	2543.2	2711.5	2543.2	2374.9	2332.9	2041.1	1652.1	1457.6	1349.3
130°	2229.2	2268.0	2423.4	2578.9	2423.4	2268.0	2229.2	1969.4	1623.1	1449.9	1351.5
132.5°	2140.8	2175.6	2314.8	2454.0	2314.8	2175.6	2140.8	1908.2	1598.1	1443.1	1352.8
135°	2015.8	2045.8	2165.8	2285.8	2165.8	2045.8	2015.8	1821.0	1561.5	1431.7	1351.6
137.5°	1923.6	1948.2	2046.4	2144.6	2046.4	1948.2	1923.6	1759.0	1539.5	1429.7	1359.9
140°	1849.6	1872.6	1964.4	2056.2	1964.4	1872.6	1849.6	1707.4	1517.7	1423.0	1361.3
142.5°	1797.7	1817.4	1896.4	1975.4	1896.4	1817.4	1797.7	1672.8	1506.3	1423.0	1366.1
145°	1719.9	1734.8	1794.6	1854.4	1794.6	1734.8	1719.9	1617.7	1481.5	1413.4	1366.2
147.5°	1654.6	1667.0	1716.5	1766.0	1716.5	1667.0	1654.6	1574.2	1467.0	1413.4	1375.6
150°	1617.1	1627.1	1667.3	1707.4	1667.3	1627.1	1617.1	1549.2	1458.7	1413.4	1380.5
152.5°	1587.3	1594.8	1625.2	1655.5	1625.2	1594.8	1587.3	1529.3	1452.1	1413.4	1383.7
155°	1551.7	1556.7	1576.8	1596.9	1576.8	1556.7	1551.7	1505.6	1444.1	1413.4	1390.8
157.5°	1521.0	1524.5	1538.6	1552.7	1538.6	1524.5	1521.0	1485.1	1437.3	1413.4	1397.9
160°	1505.6	1507.6	1515.7	1523.9	1515.7	1507.6	1505.6	1474.9	1433.9	1413.4	1401.0
162.5°	1491.2	1493.1	1500.8	1508.5	1500.8	1493.1	1491.2	1465.2	1430.7	1413.4	1404.4
165°	1469.1	1471.1	1479.2	1487.3	1479.2	1471.1	1469.1	1450.5	1425.8	1413.4	1409.3
167.5°	1459.5	1460.4	1463.8	1467.2	1463.8	1460.4	1459.5	1447.4	1431.1	1423.0	1419.6
170°	1459.5	1459.5	1459.5	1459.5	1459.5	1459.5	1459.5	1447.4	1431.1	1423.0	1422.7
172.5°	1451.8	1451.1	1448.1	1445.1	1448.1	1451.1	1451.8	1442.2	1429.4	1423.0	1423.0
175°	1441.2	1441.2	1441.2	1441.2	1441.2	1441.2	1441.2	1435.1	1427.0	1423.0	1424.9
177.5°	1439.3	1438.4	1435.0	1431.7	1435.0	1438.4	1439.3	1434.5	1428.1	1424.9	1426.4
180°	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7



TEST NUMBER: P935021

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1637.5	1637.5	1637.5	1637.5	1637.5
2.5°	1617.4	1625.1	1629.8	1635.9	1651.4
5°	1555.4	1584.8	1594.1	1617.4	1645.3
7.5°	1419.1	1508.9	1533.7	1589.5	1632.9
10°	1287.4	1377.2	1420.6	1552.3	1617.4
12.5°	1220.8	1273.4	1302.9	1487.3	1595.7
15°	1178.9	1216.1	1237.9	1400.5	1570.9
17.5°	1146.4	1172.8	1188.3	1315.3	1536.8
20°	1126.3	1138.7	1152.6	1253.3	1498.1
22.5°	1112.3	1104.6	1115.4	1209.9	1445.4
25°	1103.0	1073.6	1086.0	1175.9	1383.5
27.5°	1110.8	1045.7	1050.4	1144.8	1318.4
30°	1112.3	1011.6	1013.2	1112.3	1245.6
32.5°	1101.5	976.0	977.5	1072.1	1163.5
35°	1075.2	934.2	932.6	1025.6	1051.9
37.5°	1039.5	889.3	889.3	974.4	929.5
40°	996.1	844.3	849.0	907.8	821.1
42.5°	943.5	796.3	802.5	819.5	740.5
45°	886.1	749.8	754.4	692.5	678.5
47.5°	822.6	701.8	703.3	574.7	658.4
50°	746.7	652.2	646.0	492.6	656.9
52.5°	680.1	598.0	579.4	446.1	596.4
55°	615.0	540.7	500.4	410.6	553.1
57.5°	557.7	466.3	427.6	368.7	543.8
60°	505.0	393.5	364.1	323.8	498.9
62.5°	461.7	339.3	333.1	292.8	452.4
65°	415.2	302.1	300.5	266.5	384.2
67.5°	370.3	277.3	275.7	241.7	292.8
70°	322.2	250.9	247.9	215.4	216.9
72.5°	272.7	221.5	218.4	193.7	179.7
75°	223.1	187.4	185.9	168.9	145.6
77.5°	175.1	148.7	151.8	136.4	106.9
80°	125.5	108.4	111.6	97.6	80.5
82.5°	83.6	71.3	74.4	62.0	54.2
85°	46.5	40.3	41.8	32.6	24.8
87.5°	21.7	18.6	18.6	12.4	7.8
90°	42.3	26.9	24.9	17.3	9.6
92.5°	260.7	185.4	169.1	103.7	38.4
95°	641.5	361.3	331.4	211.8	92.2
97.5°	864.1	396.9	370.4	265.0	159.5
100°	945.1	426.6	402.6	307.0	211.4
102.5°	982.3	456.4	434.0	344.8	255.6
105°	1009.9	500.6	481.7	406.1	330.6
107.5°	1014.9	566.0	548.3	477.9	407.4
110°	1007.2	602.4	586.5	522.9	459.3



TEST NUMBER: P935021

CATALOG NUMBER: SQ4-FA-100U-050D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1007.6	646.6	631.5	570.9	510.2
115°	1016.9	712.9	698.9	643.0	587.0
117.5°	1035.8	777.3	764.6	713.8	663.0
120°	1051.2	814.8	802.9	755.0	707.2
122.5°	1073.3	859.0	846.9	798.7	750.4
125°	1103.0	915.7	904.7	860.7	816.7
127.5°	1132.8	970.4	959.3	914.9	870.5
130°	1154.6	1006.9	995.0	947.2	899.4
132.5°	1172.2	1036.7	1024.8	977.0	929.2
135°	1191.4	1071.3	1060.4	1016.9	973.4
137.5°	1220.2	1115.5	1104.7	1061.6	1018.5
140°	1237.9	1145.3	1135.4	1095.7	1056.0
142.5°	1252.6	1167.4	1158.2	1121.5	1084.8
145°	1271.8	1201.0	1193.0	1161.0	1129.0
147.5°	1300.0	1243.3	1235.5	1204.4	1173.2
150°	1314.8	1265.4	1258.3	1230.2	1202.0
152.5°	1324.3	1279.8	1274.5	1253.1	1231.8
155°	1345.5	1311.5	1307.6	1291.8	1276.0
157.5°	1366.7	1343.3	1339.4	1324.0	1308.6
160°	1376.2	1357.7	1354.7	1342.7	1330.7
162.5°	1386.5	1373.0	1370.8	1361.7	1352.8
165°	1401.2	1395.1	1393.1	1384.9	1376.8
167.5°	1412.7	1407.6	1406.6	1402.8	1398.9
170°	1422.3	1422.0	1421.1	1417.3	1413.4
172.5°	1423.0	1423.0	1422.7	1421.9	1421.0
175°	1428.7	1431.7	1431.7	1431.7	1431.7
177.5°	1429.4	1431.7	1431.7	1431.7	1431.7
180°	1431.7	1431.7	1431.7	1431.7	1431.7



TEST NUMBER: P935021
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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	8.43	9.14	9.53	10.24	11.75	11.28	11.99	12.38	13.09	14.60
	3H	8.89	9.53	10.00	10.64	12.17	12.62	13.26	13.73	14.36	15.90
	4H	9.07	9.68	10.20	10.79	12.33	13.06	13.67	14.18	14.77	16.31
	6H	9.19	9.75	10.32	10.86	12.40	13.34	13.90	14.47	15.01	16.56
	8H	9.18	9.72	10.32	10.84	12.38	13.41	13.95	14.55	15.07	16.61
	12H	9.15	9.65	10.29	10.77	12.34	13.45	13.96	14.59	15.08	16.64
4H	2H	9.44	10.05	10.57	11.16	12.70	11.67	12.27	12.79	13.38	14.92
	3H	10.46	10.96	11.59	12.10	13.65	13.16	13.67	14.30	14.81	16.35
	4H	10.73	11.19	11.87	12.32	13.89	13.69	14.16	14.83	15.28	16.85
	6H	10.84	11.24	11.99	12.39	13.95	14.05	14.45	15.20	15.60	17.16
	8H	10.85	11.22	11.99	12.36	13.93	14.16	14.53	15.30	15.67	17.25
	12H	10.81	11.14	11.97	12.29	13.88	14.21	14.55	15.37	15.70	17.28
8H	4H	11.17	11.55	12.32	12.68	14.26	13.80	14.18	14.95	15.31	16.89
	6H	11.43	11.74	12.59	12.92	14.49	14.24	14.55	15.40	15.73	17.30
	8H	11.47	11.74	12.64	12.90	14.49	14.39	14.66	15.56	15.82	17.41
	12H	11.45	11.68	12.62	12.84	14.47	14.49	14.72	15.66	15.88	17.51
12H	4H	11.17	11.51	12.33	12.66	14.24	13.76	14.10	14.92	15.25	16.83
	6H	11.49	11.76	12.66	12.92	14.51	14.23	14.50	15.40	15.66	17.26
	8H	11.55	11.78	12.72	12.94	14.57	14.39	14.63	15.57	15.78	17.41