

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: P936051

Luminaire Tested: SQ4-FA-150U-100D-930-1D-UNV-STD-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936051
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-930-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

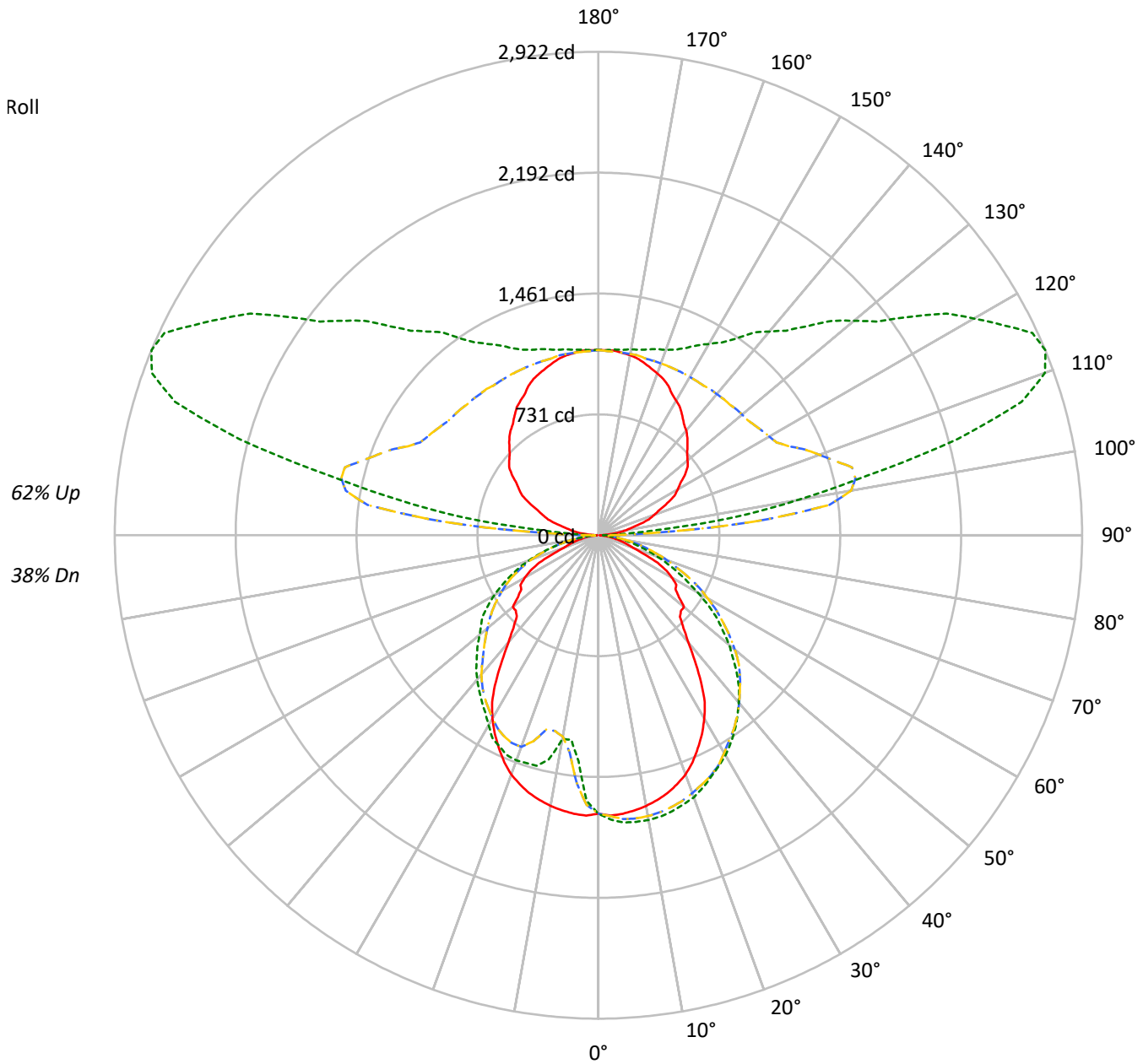
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11621.8 lumens
Efficiency: N/A
Efficacy: 107.0 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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CATALOG NUMBER: SQ4-FA-150U-100D-930-1D-UNV-STD-W-6

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°	10405	10405	10405	10405
5°	10479	10503	10479	8259
10°	10405	10346	10405	7397
15°	10288	10122	10288	8452
20°	10069	9857	10069	8469
25°	9624	9469	9624	8290
30°	9052	9148	9052	7896
35°	8066	8741	8066	7463
40°	6717	8262	6717	7136
45°	5998	7702	5998	6760
50°	6367	7033	6367	6382
55°	5985	6313	5985	6163
60°	6162	5362	6162	5645
65°	5578	4432	5578	4955
70°	3853	3532	3853	4153
75°	3366	2611	3366	3127
80°	2692	1727	2692	1879
85°	1520	915	1520	777

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 9198 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.8	1.3
10°-20°	431.1	3.7
20°-30°	666.4	5.7
30°-40°	795.5	6.8
40°-50°	800.2	6.9
50°-60°	696.3	6.0
60°-70°	493.7	4.2
70°-80°	261.2	2.2
80°-90°	69.3	0.6
90°-100°	545.6	4.7
100°-110°	1434.5	12.3
110°-120°	1487.4	12.8
120°-130°	1193.1	10.3
130°-140°	936.2	8.1
140°-150°	718.5	6.2
150°-160°	517.5	4.5
160°-170°	316.6	2.7
170°-180°	107.0	0.9
0°-30°	1249.3	10.7
0°-40°	2044.8	17.6
0°-60°	3541.2	30.5
0°-90°	4365.4	37.6
90°-120°	3467.6	29.8
90°-150°	6315.4	54.3
90°-180°	7256.0	62.4
0°-180°	11621.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1682	1682	1682	1682	1682	
5°	1690	1742	1690	1370	1690	160
15°	1614	1726	1614	1442	1614	454
25°	1421	1610	1421	1410	1421	652
35°	1080	1437	1080	1227	1080	668
45°	697	1184	697	1039	697	558
55°	568	874	568	853	568	522
65°	395	527	395	589	395	377
75°	150	250	150	299	150	157
85°	26	64	26	54	26	34
90°	8	29	8	29	8	7
95°	72	330	72	330	72	80
105°	258	2246	258	2246	258	274
115°	459	2892	459	2892	459	453
125°	638	2303	638	2303	638	567
135°	761	1787	761	1787	761	589
145°	883	1450	883	1450	883	553
155°	998	1249	998	1249	998	458
165°	1077	1163	1077	1163	1077	304
175°	1119	1127	1119	1127	1119	106
180°	1119	1119	1119	1119	1119	



TEST NUMBER: P936051
 CATALOG NUMBER: SQ4-FA-150U-100D-930-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0
2.5°	1696.3	1696.3	1705.9	1709.0	1709.0	1704.3	1699.5	1704.3	1718.6	1723.4	1721.8
5°	1689.9	1702.7	1720.2	1723.4	1726.5	1724.9	1721.8	1724.9	1740.8	1744.0	1745.6
7.5°	1677.2	1701.1	1723.4	1728.1	1732.9	1728.1	1726.5	1729.7	1745.6	1748.9	1748.9
10°	1661.3	1694.7	1720.2	1723.4	1728.1	1723.4	1723.4	1729.7	1745.6	1748.9	1750.4
12.5°	1639.0	1685.2	1709.0	1712.2	1718.6	1717.0	1715.4	1721.8	1737.7	1740.8	1740.8
15°	1613.5	1667.7	1689.9	1693.1	1704.3	1701.1	1701.1	1707.4	1724.9	1729.7	1728.1
17.5°	1578.5	1645.3	1670.9	1675.6	1683.6	1682.0	1683.6	1689.9	1705.9	1709.0	1710.6
20°	1538.8	1615.2	1645.3	1650.2	1658.1	1658.1	1658.1	1666.1	1682.0	1688.4	1688.4
22.5°	1484.7	1583.4	1615.2	1618.4	1627.9	1627.9	1631.1	1642.2	1656.5	1658.1	1658.1
25°	1421.0	1548.3	1575.4	1584.9	1594.4	1599.3	1604.0	1610.4	1615.2	1613.5	1615.2
27.5°	1354.2	1503.8	1538.8	1545.1	1557.9	1562.6	1569.0	1570.6	1572.2	1576.9	1573.8
30°	1279.4	1441.7	1494.2	1500.6	1521.3	1524.4	1518.1	1521.3	1529.2	1532.4	1535.6
32.5°	1195.0	1349.4	1448.0	1462.4	1481.5	1471.9	1470.4	1475.1	1487.9	1487.9	1491.0
35°	1080.5	1277.8	1405.1	1417.9	1432.2	1421.0	1427.4	1428.9	1436.9	1441.7	1440.1
37.5°	954.8	1215.7	1360.5	1370.1	1381.2	1366.9	1376.4	1381.2	1387.6	1384.5	1384.5
40°	843.4	1118.7	1308.0	1314.4	1324.0	1312.8	1322.4	1325.5	1328.7	1325.5	1324.0
42.5°	760.6	1012.0	1252.4	1260.3	1254.0	1261.9	1265.0	1271.5	1266.7	1260.3	1260.3
45°	697.0	983.4	1191.9	1201.4	1191.9	1204.6	1209.4	1209.4	1195.0	1191.9	1190.3
47.5°	676.3	926.1	1131.4	1131.4	1126.6	1142.5	1150.5	1139.4	1125.0	1120.3	1120.3
50°	674.7	862.5	1048.6	1042.3	1064.5	1083.6	1075.7	1064.5	1053.5	1036.0	1036.0
52.5°	612.6	784.5	942.0	965.9	1000.9	1012.0	999.3	988.2	969.1	961.1	954.8
55°	568.1	703.3	845.0	892.7	929.3	943.6	919.8	908.6	880.0	875.2	872.1
57.5°	558.6	585.6	755.9	816.3	860.9	859.3	845.0	824.3	800.4	795.6	794.1
60°	512.4	423.3	660.4	732.0	778.1	773.4	760.6	741.6	719.2	716.1	712.9
62.5°	464.6	307.1	552.1	633.3	698.6	697.0	685.8	657.2	641.3	633.3	627.0
65°	394.7	257.8	393.1	526.7	620.6	623.8	599.9	579.2	561.7	552.1	550.6
67.5°	300.7	210.1	265.7	439.2	545.8	542.7	512.4	502.8	480.6	475.8	466.2
70°	222.8	140.0	184.6	356.5	472.6	464.6	440.8	429.7	409.0	397.8	391.5
72.5°	184.6	113.0	135.2	276.9	397.8	388.3	367.6	354.8	337.3	327.8	321.4
75°	149.6	119.3	103.4	205.2	323.0	316.7	297.6	284.8	270.5	257.8	259.4
77.5°	109.8	111.4	82.7	151.2	256.2	246.7	235.5	219.6	213.2	200.5	200.5
80°	82.7	87.5	62.1	103.4	184.6	184.6	175.1	163.9	152.7	146.4	146.4
82.5°	55.7	55.7	46.2	65.2	125.7	120.9	114.6	111.4	105.0	101.8	101.8
85°	25.5	31.8	28.7	39.7	68.4	71.6	71.6	68.4	66.8	63.7	65.2
87.5°	7.9	14.3	17.5	22.2	35.0	36.6	38.2	38.2	38.2	39.7	39.7
90°	7.5	13.6	19.5	21.0	33.1	49.1	57.1	50.7	38.1	28.6	28.6
92.5°	30.0	81.1	132.3	145.0	203.9	282.3	321.5	281.8	202.4	142.8	137.1
95°	72.1	165.6	259.1	282.5	501.6	793.8	939.8	838.7	636.3	484.5	467.3
97.5°	124.7	207.2	289.6	310.3	675.6	1162.8	1406.4	1342.5	1214.5	1118.7	1085.9
100°	165.3	240.1	314.9	333.6	739.0	1279.6	1549.9	1554.5	1563.9	1570.9	1532.0
102.5°	199.9	269.6	339.4	356.9	768.1	1316.3	1590.4	1671.8	1834.8	1957.0	1923.6
105°	258.4	317.5	376.6	391.4	789.6	1320.5	1585.9	1768.5	2133.8	2407.8	2389.8
107.5°	318.6	373.6	428.7	442.5	793.5	1261.7	1495.7	1750.5	2260.0	2642.2	2646.5
110°	359.1	408.9	458.6	471.0	787.6	1209.6	1420.6	1705.4	2275.1	2702.3	2721.0



TEST NUMBER: P936051

CATALOG NUMBER: SQ4-FA-150U-100D-930-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	398.9	446.3	493.7	505.6	787.8	1164.1	1352.3	1643.7	2226.7	2664.0	2692.7
115°	459.0	502.8	546.5	557.4	795.1	1111.9	1270.3	1551.2	2112.8	2533.9	2573.8
117.5°	518.3	558.1	597.8	607.8	809.9	1079.3	1214.1	1467.5	1974.3	2354.4	2398.6
120°	552.9	590.4	627.8	637.1	821.9	1068.3	1191.5	1423.1	1886.2	2233.5	2276.3
122.5°	586.8	624.5	662.2	671.6	839.1	1062.5	1174.2	1382.8	1799.8	2112.5	2154.9
125°	638.5	672.9	707.4	716.0	862.4	1057.8	1155.4	1332.6	1686.8	1952.5	1991.4
127.5°	680.6	715.3	750.1	758.8	885.7	1055.0	1139.6	1291.7	1595.9	1824.0	1856.9
130°	703.2	740.6	778.0	787.3	902.8	1056.7	1133.7	1269.1	1539.8	1742.9	1773.3
132.5°	726.5	763.9	801.3	810.6	916.5	1057.8	1128.4	1249.5	1492.0	1673.8	1701.0
135°	761.0	795.1	829.2	837.7	931.6	1056.7	1119.4	1220.9	1423.9	1576.1	1599.6
137.5°	796.3	830.1	863.8	872.2	954.1	1063.3	1117.9	1203.7	1375.3	1504.0	1523.2
140°	825.6	856.7	887.7	895.5	967.9	1064.4	1112.6	1186.8	1335.0	1446.2	1464.1
142.5°	848.1	876.9	905.6	912.8	979.4	1068.2	1112.6	1177.8	1307.9	1405.6	1421.0
145°	882.7	907.8	932.8	939.1	994.4	1068.2	1105.1	1158.3	1264.9	1344.8	1356.4
147.5°	917.3	941.7	966.0	972.1	1016.4	1075.5	1105.1	1147.0	1230.8	1293.6	1303.3
150°	939.8	961.8	983.8	989.4	1027.9	1079.4	1105.1	1140.5	1211.2	1264.3	1272.2
152.5°	963.1	979.8	996.5	1000.7	1035.5	1081.9	1105.1	1135.3	1195.7	1241.0	1247.0
155°	997.6	1010.0	1022.4	1025.4	1052.0	1087.4	1105.1	1129.1	1177.2	1213.3	1217.2
157.5°	1023.2	1035.2	1047.3	1050.2	1068.6	1092.9	1105.1	1123.8	1161.2	1189.2	1192.0
160°	1040.5	1049.8	1059.2	1061.5	1076.0	1095.4	1105.1	1121.1	1153.2	1177.2	1178.8
162.5°	1057.8	1064.8	1071.8	1073.5	1084.0	1098.1	1105.1	1118.6	1145.6	1166.0	1167.5
165°	1076.6	1082.9	1089.2	1090.8	1095.5	1101.9	1105.1	1114.8	1134.2	1148.7	1150.3
167.5°	1093.8	1096.8	1099.9	1100.6	1104.6	1110.0	1112.6	1119.0	1131.7	1141.1	1141.8
170°	1105.1	1108.1	1111.1	1111.8	1112.1	1112.5	1112.6	1119.0	1131.7	1141.1	1141.1
172.5°	1111.1	1111.8	1112.5	1112.6	1112.6	1112.6	1112.6	1117.6	1127.7	1135.1	1134.6
175°	1119.4	1119.4	1119.4	1119.4	1117.1	1114.2	1112.6	1115.8	1122.1	1126.8	1126.8
177.5°	1119.4	1119.4	1119.4	1119.4	1117.6	1115.3	1114.1	1116.6	1121.6	1125.4	1124.8
180°	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4



TEST NUMBER: P936051

CATALOG NUMBER: SQ4-FA-150U-100D-930-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0
2.5°	1724.9	1720.2	1724.9	1721.8	1723.4	1718.6	1704.3	1699.5	1704.3	1709.0	1709.0
5°	1745.6	1742.4	1745.6	1745.6	1744.0	1740.8	1724.9	1721.8	1724.9	1726.5	1723.4
7.5°	1752.0	1747.2	1752.0	1748.9	1748.9	1745.6	1729.7	1726.5	1728.1	1732.9	1728.1
10°	1752.0	1747.2	1752.0	1750.4	1748.9	1745.6	1729.7	1723.4	1723.4	1728.1	1723.4
12.5°	1744.0	1740.8	1744.0	1740.8	1740.8	1737.7	1721.8	1715.4	1717.0	1718.6	1712.2
15°	1731.3	1726.5	1731.3	1728.1	1729.7	1724.9	1707.4	1701.1	1701.1	1704.3	1693.1
17.5°	1712.2	1705.9	1712.2	1710.6	1709.0	1705.9	1689.9	1683.6	1682.0	1683.6	1675.6
20°	1689.9	1685.2	1689.9	1688.4	1688.4	1682.0	1666.1	1658.1	1658.1	1658.1	1650.2
22.5°	1654.9	1650.2	1654.9	1658.1	1658.1	1656.5	1642.2	1631.1	1627.9	1627.9	1618.4
25°	1615.2	1610.4	1615.2	1615.2	1613.5	1615.2	1610.4	1604.0	1599.3	1594.4	1584.9
27.5°	1576.9	1573.8	1576.9	1573.8	1576.9	1572.2	1570.6	1569.0	1562.6	1557.9	1545.1
30°	1538.8	1535.6	1538.8	1535.6	1532.4	1529.2	1521.3	1518.1	1524.4	1521.3	1500.6
32.5°	1491.0	1487.9	1491.0	1491.0	1487.9	1487.9	1475.1	1470.4	1471.9	1481.5	1462.4
35°	1441.7	1436.9	1441.7	1440.1	1441.7	1436.9	1428.9	1427.4	1421.0	1432.2	1417.9
37.5°	1384.5	1379.6	1384.5	1384.5	1384.5	1387.6	1381.2	1376.4	1366.9	1381.2	1370.1
40°	1325.5	1319.2	1325.5	1324.0	1325.5	1328.7	1325.5	1322.4	1312.8	1324.0	1314.4
42.5°	1258.7	1257.1	1258.7	1260.3	1260.3	1266.7	1271.5	1265.0	1261.9	1254.0	1260.3
45°	1187.1	1183.9	1187.1	1190.3	1191.9	1195.0	1209.4	1209.4	1204.6	1191.9	1201.4
47.5°	1110.7	1102.8	1110.7	1120.3	1120.3	1125.0	1139.4	1150.5	1142.5	1126.6	1131.4
50°	1029.5	1031.1	1029.5	1036.0	1036.0	1053.5	1064.5	1075.7	1083.6	1064.5	1042.3
52.5°	950.0	948.4	950.0	954.8	961.1	969.1	988.2	999.3	1012.0	1000.9	965.9
55°	870.5	873.6	870.5	872.1	875.2	880.0	908.6	919.8	943.6	929.3	892.7
57.5°	790.9	786.1	790.9	794.1	795.6	800.4	824.3	845.0	859.3	860.9	816.3
60°	698.6	692.2	698.6	712.9	716.1	719.2	741.6	760.6	773.4	778.1	732.0
62.5°	617.4	606.3	617.4	627.0	633.3	641.3	657.2	685.8	697.0	698.6	633.3
65°	531.5	526.7	531.5	550.6	552.1	561.7	579.2	599.9	623.8	620.6	526.7
67.5°	453.5	453.5	453.5	466.2	475.8	480.6	502.8	512.4	542.7	545.8	439.2
70°	381.9	380.3	381.9	391.5	397.8	409.0	429.7	440.8	464.6	472.6	356.5
72.5°	313.5	311.9	313.5	321.4	327.8	337.3	354.8	367.6	388.3	397.8	276.9
75°	253.0	249.8	253.0	259.4	257.8	270.5	284.8	297.6	316.7	323.0	205.2
77.5°	194.2	194.2	194.2	200.5	200.5	213.2	219.6	235.5	246.7	256.2	151.2
80°	144.8	143.3	144.8	146.4	146.4	152.7	163.9	175.1	184.6	184.6	103.4
82.5°	101.8	98.7	101.8	101.8	101.8	105.0	111.4	114.6	120.9	125.7	65.2
85°	63.7	63.7	63.7	65.2	63.7	66.8	68.4	71.6	71.6	68.4	39.7
87.5°	41.4	39.7	41.4	39.7	39.7	38.2	38.2	38.2	36.6	35.0	22.2
90°	28.6	28.6	28.6	28.6	28.6	38.1	50.7	57.1	49.1	33.1	21.0
92.5°	114.3	91.6	114.3	137.1	142.8	202.4	281.8	321.5	282.3	203.9	145.0
95°	398.5	329.8	398.5	467.3	484.5	636.3	838.7	939.8	793.8	501.6	282.5
97.5°	955.0	824.1	955.0	1085.9	1118.7	1214.5	1342.5	1406.4	1162.8	675.6	310.3
100°	1376.0	1220.1	1376.0	1532.0	1570.9	1563.9	1554.5	1549.9	1279.6	739.0	333.6
102.5°	1790.0	1656.5	1790.0	1923.6	1957.0	1834.8	1671.8	1590.4	1316.3	768.1	356.9
105°	2318.0	2246.2	2318.0	2389.8	2407.8	2133.8	1768.5	1585.9	1320.5	789.6	391.4
107.5°	2663.9	2681.2	2663.9	2646.5	2642.2	2260.0	1750.5	1495.7	1261.7	793.5	442.5
110°	2795.7	2870.6	2795.7	2721.0	2702.3	2275.1	1705.4	1420.6	1209.6	787.6	471.0



TEST NUMBER: P936051

CATALOG NUMBER: SQ4-FA-150U-100D-930-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2807.5	2922.4	2807.5	2692.7	2664.0	2226.7	1643.7	1352.3	1164.1	787.8	505.6
115°	2733.0	2892.3	2733.0	2573.8	2533.9	2112.8	1551.2	1270.3	1111.9	795.1	557.4
117.5°	2575.2	2751.9	2575.2	2398.6	2354.4	1974.3	1467.5	1214.1	1079.3	809.9	607.8
120°	2448.0	2619.6	2448.0	2276.3	2233.5	1886.2	1423.1	1191.5	1068.3	821.9	637.1
122.5°	2324.1	2493.4	2324.1	2154.9	2112.5	1799.8	1382.8	1174.2	1062.5	839.1	671.6
125°	2147.4	2303.3	2147.4	1991.4	1952.5	1686.8	1332.6	1155.4	1057.8	862.4	716.0
127.5°	1988.5	2120.1	1988.5	1856.9	1824.0	1595.9	1291.7	1139.6	1055.0	885.7	758.8
130°	1894.8	2016.3	1894.8	1773.3	1742.9	1539.8	1269.1	1133.7	1056.7	902.8	787.3
132.5°	1809.8	1918.7	1809.8	1701.0	1673.8	1492.0	1249.5	1128.4	1057.8	916.5	810.6
135°	1693.4	1787.2	1693.4	1599.6	1576.1	1423.9	1220.9	1119.4	1056.7	931.6	837.7
137.5°	1600.1	1676.8	1600.1	1523.2	1504.0	1375.3	1203.7	1117.9	1063.3	954.1	872.2
140°	1535.9	1607.7	1535.9	1464.1	1446.2	1335.0	1186.8	1112.6	1064.4	967.9	895.5
142.5°	1482.8	1544.6	1482.8	1421.0	1405.6	1307.9	1177.8	1112.6	1068.2	979.4	912.8
145°	1403.2	1449.9	1403.2	1356.4	1344.8	1264.9	1158.3	1105.1	1068.2	994.4	939.1
147.5°	1342.1	1380.8	1342.1	1303.3	1293.6	1230.8	1147.0	1105.1	1075.5	1016.4	972.1
150°	1303.6	1335.0	1303.6	1272.2	1264.3	1211.2	1140.5	1105.1	1079.4	1027.9	989.4
152.5°	1270.7	1294.4	1270.7	1247.0	1241.0	1195.7	1135.3	1105.1	1081.9	1035.5	1000.7
155°	1232.8	1248.6	1232.8	1217.2	1213.3	1177.2	1129.1	1105.1	1087.4	1052.0	1025.4
157.5°	1203.1	1214.1	1203.1	1192.0	1189.2	1161.2	1123.8	1105.1	1092.9	1068.6	1050.2
160°	1185.1	1191.5	1185.1	1178.8	1177.2	1153.2	1121.1	1105.1	1095.4	1076.0	1061.5
162.5°	1173.4	1179.4	1173.4	1167.5	1166.0	1145.6	1118.6	1105.1	1098.1	1084.0	1073.5
165°	1156.6	1162.9	1156.6	1150.3	1148.7	1134.2	1114.8	1105.1	1101.9	1095.5	1090.8
167.5°	1144.5	1147.2	1144.5	1141.8	1141.1	1131.7	1119.0	1112.6	1110.0	1104.6	1100.6
170°	1141.1	1141.1	1141.1	1141.1	1141.1	1131.7	1119.0	1112.6	1112.5	1112.1	1111.8
172.5°	1132.2	1129.9	1132.2	1134.6	1135.1	1127.7	1117.6	1112.6	1112.6	1112.6	1112.6
175°	1126.8	1126.8	1126.8	1126.8	1126.8	1122.1	1115.8	1112.6	1114.2	1117.1	1119.4
177.5°	1122.0	1119.4	1122.0	1124.8	1125.4	1121.6	1116.6	1114.1	1115.3	1117.6	1119.4
180°	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4



TEST NUMBER: P936051
 CATALOG NUMBER: SQ4-FA-150U-100D-930-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0
2.5°	1705.9	1696.3	1696.3	1680.4	1674.0	1669.3	1661.3	1637.4	1631.1	1624.7	1634.3
5°	1720.2	1702.7	1689.9	1661.3	1637.4	1627.9	1597.6	1540.4	1502.2	1473.5	1457.6
7.5°	1723.4	1701.1	1677.2	1632.7	1575.4	1549.9	1457.6	1352.6	1324.0	1298.5	1282.6
10°	1720.2	1694.7	1661.3	1594.4	1459.2	1414.6	1322.4	1254.0	1236.5	1231.6	1236.5
12.5°	1709.0	1685.2	1639.0	1527.6	1338.3	1308.0	1254.0	1214.1	1211.0	1219.0	1261.9
15°	1689.9	1667.7	1613.5	1438.5	1271.5	1249.1	1211.0	1196.6	1214.1	1269.9	1398.7
17.5°	1670.9	1645.3	1578.5	1351.0	1220.5	1204.6	1177.5	1206.2	1304.9	1379.6	1422.6
20°	1645.3	1615.2	1538.8	1287.4	1183.9	1169.6	1156.9	1285.8	1360.5	1387.6	1411.4
22.5°	1615.2	1583.4	1484.7	1242.8	1145.7	1134.6	1142.5	1330.3	1360.5	1379.6	1400.4
25°	1575.4	1548.3	1421.0	1207.8	1115.5	1102.8	1133.0	1325.5	1343.0	1347.8	1389.2
27.5°	1538.8	1503.8	1354.2	1176.0	1078.9	1074.1	1141.0	1304.9	1317.6	1322.4	1366.9
30°	1494.2	1441.7	1279.4	1142.5	1040.7	1039.1	1142.5	1279.4	1276.2	1289.0	1333.5
32.5°	1448.0	1349.4	1195.0	1101.2	1004.1	1002.5	1131.4	1241.2	1238.0	1255.5	1289.0
35°	1405.1	1277.8	1080.5	1053.5	958.0	959.5	1104.4	1196.6	1198.2	1214.1	1234.9
37.5°	1360.5	1215.7	954.8	1000.9	913.4	913.4	1067.7	1155.3	1152.1	1156.9	1185.5
40°	1308.0	1118.7	843.4	932.5	872.1	867.2	1023.2	1110.7	1099.5	1098.0	1137.8
42.5°	1252.4	1012.0	760.6	841.8	824.3	817.9	969.1	1056.6	1036.0	1040.7	1091.6
45°	1191.9	983.4	697.0	711.3	775.0	770.2	910.2	994.5	980.2	993.0	1045.5
47.5°	1131.4	926.1	676.3	590.4	722.5	720.9	845.0	934.0	926.1	938.9	994.5
50°	1048.6	862.5	674.7	506.1	663.6	669.9	767.0	875.2	875.2	886.4	945.2
52.5°	942.0	784.5	612.6	458.3	595.1	614.2	698.6	824.3	827.5	838.6	891.1
55°	845.0	703.3	568.1	421.7	514.0	555.4	631.7	771.8	778.1	789.3	837.0
57.5°	755.9	585.6	558.6	378.7	439.2	479.0	572.9	720.9	724.1	733.6	779.7
60°	660.4	423.3	512.4	332.6	374.0	404.1	518.7	660.4	671.5	677.9	717.6
62.5°	552.1	307.1	464.6	300.7	342.2	348.5	474.2	603.1	617.4	622.2	646.1
65°	393.1	257.8	394.7	273.7	308.7	310.3	426.5	544.2	557.0	564.9	582.4
67.5°	265.7	210.1	300.7	248.2	283.2	284.8	380.3	475.8	493.3	499.6	510.8
70°	184.6	140.0	222.8	221.2	254.6	257.8	331.0	413.7	429.7	434.4	440.8
72.5°	135.2	113.0	184.6	198.9	224.4	227.6	280.1	343.7	359.7	364.4	367.6
75°	103.4	119.3	149.6	173.4	191.0	192.6	229.2	280.1	291.2	294.4	296.0
77.5°	82.7	111.4	109.8	140.0	155.9	152.7	179.8	216.4	226.0	226.0	226.0
80°	62.1	87.5	82.7	100.2	114.6	111.4	128.9	154.3	157.5	160.7	159.2
82.5°	46.2	55.7	55.7	63.7	76.4	73.2	85.9	100.2	100.2	100.2	103.4
85°	28.7	31.8	25.5	33.4	43.0	41.4	47.8	54.1	55.7	55.7	52.5
87.5°	17.5	14.3	7.9	12.8	19.1	19.1	22.2	23.8	22.2	22.2	22.2
90°	19.5	13.6	7.5	13.6	19.5	21.0	33.1	49.1	57.1	50.7	38.1
92.5°	132.3	81.1	30.0	81.1	132.3	145.0	203.9	282.3	321.5	281.8	202.4
95°	259.1	165.6	72.1	165.6	259.1	282.5	501.6	793.8	939.8	838.7	636.3
97.5°	289.6	207.2	124.7	207.2	289.6	310.3	675.6	1162.8	1406.4	1342.5	1214.5
100°	314.9	240.1	165.3	240.1	314.9	333.6	739.0	1279.6	1549.9	1554.5	1563.9
102.5°	339.4	269.6	199.9	269.6	339.4	356.9	768.1	1316.3	1590.4	1671.8	1834.8
105°	376.6	317.5	258.4	317.5	376.6	391.4	789.6	1320.5	1585.9	1768.5	2133.8
107.5°	428.7	373.6	318.6	373.6	428.7	442.5	793.5	1261.7	1495.7	1750.5	2260.0
110°	458.6	408.9	359.1	408.9	458.6	471.0	787.6	1209.6	1420.6	1705.4	2275.1



TEST NUMBER: P936051

CATALOG NUMBER: SQ4-FA-150U-100D-930-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	493.7	446.3	398.9	446.3	493.7	505.6	787.8	1164.1	1352.3	1643.7	2226.7
115°	546.5	502.8	459.0	502.8	546.5	557.4	795.1	1111.9	1270.3	1551.2	2112.8
117.5°	597.8	558.1	518.3	558.1	597.8	607.8	809.9	1079.3	1214.1	1467.5	1974.3
120°	627.8	590.4	552.9	590.4	627.8	637.1	821.9	1068.3	1191.5	1423.1	1886.2
122.5°	662.2	624.5	586.8	624.5	662.2	671.6	839.1	1062.5	1174.2	1382.8	1799.8
125°	707.4	672.9	638.5	672.9	707.4	716.0	862.4	1057.8	1155.4	1332.6	1686.8
127.5°	750.1	715.3	680.6	715.3	750.1	758.8	885.7	1055.0	1139.6	1291.7	1595.9
130°	778.0	740.6	703.2	740.6	778.0	787.3	902.8	1056.7	1133.7	1269.1	1539.8
132.5°	801.3	763.9	726.5	763.9	801.3	810.6	916.5	1057.8	1128.4	1249.5	1492.0
135°	829.2	795.1	761.0	795.1	829.2	837.7	931.6	1056.7	1119.4	1220.9	1423.9
137.5°	863.8	830.1	796.3	830.1	863.8	872.2	954.1	1063.3	1117.9	1203.7	1375.3
140°	887.7	856.7	825.6	856.7	887.7	895.5	967.9	1064.4	1112.6	1186.8	1335.0
142.5°	905.6	876.9	848.1	876.9	905.6	912.8	979.4	1068.2	1112.6	1177.8	1307.9
145°	932.8	907.8	882.7	907.8	932.8	939.1	994.4	1068.2	1105.1	1158.3	1264.9
147.5°	966.0	941.7	917.3	941.7	966.0	972.1	1016.4	1075.5	1105.1	1147.0	1230.8
150°	983.8	961.8	939.8	961.8	983.8	989.4	1027.9	1079.4	1105.1	1140.5	1211.2
152.5°	996.5	979.8	963.1	979.8	996.5	1000.7	1035.5	1081.9	1105.1	1135.3	1195.7
155°	1022.4	1010.0	997.6	1010.0	1022.4	1025.4	1052.0	1087.4	1105.1	1129.1	1177.2
157.5°	1047.3	1035.2	1023.2	1035.2	1047.3	1050.2	1068.6	1092.9	1105.1	1123.8	1161.2
160°	1059.2	1049.8	1040.5	1049.8	1059.2	1061.5	1076.0	1095.4	1105.1	1121.1	1153.2
162.5°	1071.8	1064.8	1057.8	1064.8	1071.8	1073.5	1084.0	1098.1	1105.1	1118.6	1145.6
165°	1089.2	1082.9	1076.6	1082.9	1089.2	1090.8	1095.5	1101.9	1105.1	1114.8	1134.2
167.5°	1099.9	1096.8	1093.8	1096.8	1099.9	1100.6	1104.6	1110.0	1112.6	1119.0	1131.7
170°	1111.1	1108.1	1105.1	1108.1	1111.1	1111.8	1112.1	1112.5	1112.6	1119.0	1131.7
172.5°	1112.5	1111.8	1111.1	1111.8	1112.5	1112.6	1112.6	1112.6	1112.6	1117.6	1127.7
175°	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1117.1	1114.2	1112.6	1115.8	1122.1
177.5°	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1117.6	1115.3	1114.1	1116.6	1121.6
180°	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4



TEST NUMBER: P936051
 CATALOG NUMBER: SQ4-FA-150U-100D-930-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0
2.5°	1623.1	1618.4	1624.7	1607.2	1624.7	1618.4	1623.1	1634.3	1624.7	1631.1	1637.4
5°	1424.2	1416.3	1390.8	1370.1	1390.8	1416.3	1424.2	1457.6	1473.5	1502.2	1540.4
7.5°	1273.0	1266.7	1260.3	1247.5	1260.3	1266.7	1273.0	1282.6	1298.5	1324.0	1352.6
10°	1239.6	1241.2	1250.8	1249.1	1250.8	1241.2	1239.6	1236.5	1231.6	1236.5	1254.0
12.5°	1325.5	1339.9	1392.4	1389.2	1392.4	1339.9	1325.5	1261.9	1219.0	1211.0	1214.1
15°	1424.2	1428.9	1440.1	1441.7	1440.1	1428.9	1424.2	1398.7	1269.9	1214.1	1196.6
17.5°	1433.8	1435.4	1443.3	1443.3	1443.3	1435.4	1433.8	1422.6	1379.6	1304.9	1206.2
20°	1425.8	1428.9	1444.9	1448.0	1444.9	1428.9	1425.8	1411.4	1387.6	1360.5	1285.8
22.5°	1422.6	1428.9	1441.7	1440.1	1441.7	1428.9	1422.6	1400.4	1379.6	1360.5	1330.3
25°	1406.7	1406.7	1408.3	1409.9	1408.3	1406.7	1406.7	1389.2	1347.8	1343.0	1325.5
27.5°	1373.3	1376.4	1386.0	1384.5	1386.0	1376.4	1373.3	1366.9	1322.4	1317.6	1304.9
30°	1343.0	1339.9	1331.9	1325.5	1331.9	1339.9	1343.0	1333.5	1289.0	1276.2	1279.4
32.5°	1292.1	1284.2	1276.2	1271.5	1276.2	1284.2	1292.1	1289.0	1255.5	1238.0	1241.2
35°	1231.6	1233.2	1231.6	1226.9	1231.6	1233.2	1231.6	1234.9	1214.1	1198.2	1196.6
37.5°	1188.7	1191.9	1190.3	1183.9	1190.3	1191.9	1188.7	1185.5	1156.9	1152.1	1155.3
40°	1144.1	1145.7	1144.1	1139.4	1144.1	1145.7	1144.1	1137.8	1098.0	1099.5	1110.7
42.5°	1101.2	1099.5	1094.8	1091.6	1094.8	1099.5	1101.2	1091.6	1040.7	1036.0	1056.6
45°	1051.8	1053.5	1043.9	1039.1	1043.9	1053.5	1051.8	1045.5	993.0	980.2	994.5
47.5°	1002.5	1002.5	994.5	989.8	994.5	1002.5	1002.5	994.5	938.9	926.1	934.0
50°	950.0	948.4	937.3	935.7	937.3	948.4	950.0	945.2	886.4	875.2	875.2
52.5°	889.6	889.6	891.1	894.3	891.1	889.6	889.6	891.1	838.6	827.5	824.3
55°	837.0	838.6	849.7	852.9	849.7	838.6	837.0	837.0	789.3	778.1	771.8
57.5°	782.9	782.9	790.9	790.9	790.9	782.9	782.9	779.7	733.6	724.1	720.9
60°	720.9	724.1	730.4	728.8	730.4	724.1	720.9	717.6	677.9	671.5	660.4
62.5°	655.6	658.8	660.4	657.2	660.4	658.8	655.6	646.1	622.2	617.4	603.1
65°	587.2	590.4	592.0	588.8	592.0	590.4	587.2	582.4	564.9	557.0	544.2
67.5°	517.1	515.6	514.0	520.3	514.0	515.6	517.1	510.8	499.6	493.3	475.8
70°	445.6	445.6	444.0	447.1	444.0	445.6	445.6	440.8	434.4	429.7	413.7
72.5°	369.1	367.6	374.0	369.1	374.0	367.6	369.1	367.6	364.4	359.7	343.7
75°	294.4	297.6	294.4	299.2	294.4	297.6	294.4	296.0	294.4	291.2	280.1
77.5°	224.4	227.6	224.4	224.4	224.4	227.6	224.4	226.0	226.0	226.0	216.4
80°	159.2	157.5	157.5	155.9	157.5	157.5	159.2	159.2	160.7	157.5	154.3
82.5°	101.8	100.2	100.2	103.4	100.2	100.2	101.8	103.4	100.2	100.2	100.2
85°	55.7	57.3	54.1	54.1	54.1	57.3	55.7	52.5	55.7	55.7	54.1
87.5°	20.7	19.1	19.1	19.1	19.1	19.1	20.7	22.2	22.2	22.2	23.8
90°	28.6	28.6	28.6	28.6	28.6	28.6	28.6	38.1	50.7	57.1	49.1
92.5°	142.8	137.1	114.3	91.6	114.3	137.1	142.8	202.4	281.8	321.5	282.3
95°	484.5	467.3	398.5	329.8	398.5	467.3	484.5	636.3	838.7	939.8	793.8
97.5°	1118.7	1085.9	955.0	824.1	955.0	1085.9	1118.7	1214.5	1342.5	1406.4	1162.8
100°	1570.9	1532.0	1376.0	1220.1	1376.0	1532.0	1570.9	1563.9	1554.5	1549.9	1279.6
102.5°	1957.0	1923.6	1790.0	1656.5	1790.0	1923.6	1957.0	1834.8	1671.8	1590.4	1316.3
105°	2407.8	2389.8	2318.0	2246.2	2318.0	2389.8	2407.8	2133.8	1768.5	1585.9	1320.5
107.5°	2642.2	2646.5	2663.9	2681.2	2663.9	2646.5	2642.2	2260.0	1750.5	1495.7	1261.7
110°	2702.3	2721.0	2795.7	2870.6	2795.7	2721.0	2702.3	2275.1	1705.4	1420.6	1209.6



TEST NUMBER: P936051

CATALOG NUMBER: SQ4-FA-150U-100D-930-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2664.0	2692.7	2807.5	2922.4	2807.5	2692.7	2664.0	2226.7	1643.7	1352.3	1164.1
115°	2533.9	2573.8	2733.0	2892.3	2733.0	2573.8	2533.9	2112.8	1551.2	1270.3	1111.9
117.5°	2354.4	2398.6	2575.2	2751.9	2575.2	2398.6	2354.4	1974.3	1467.5	1214.1	1079.3
120°	2233.5	2276.3	2448.0	2619.6	2448.0	2276.3	2233.5	1886.2	1423.1	1191.5	1068.3
122.5°	2112.5	2154.9	2324.1	2493.4	2324.1	2154.9	2112.5	1799.8	1382.8	1174.2	1062.5
125°	1952.5	1991.4	2147.4	2303.3	2147.4	1991.4	1952.5	1686.8	1332.6	1155.4	1057.8
127.5°	1824.0	1856.9	1988.5	2120.1	1988.5	1856.9	1824.0	1595.9	1291.7	1139.6	1055.0
130°	1742.9	1773.3	1894.8	2016.3	1894.8	1773.3	1742.9	1539.8	1269.1	1133.7	1056.7
132.5°	1673.8	1701.0	1809.8	1918.7	1809.8	1701.0	1673.8	1492.0	1249.5	1128.4	1057.8
135°	1576.1	1599.6	1693.4	1787.2	1693.4	1599.6	1576.1	1423.9	1220.9	1119.4	1056.7
137.5°	1504.0	1523.2	1600.1	1676.8	1600.1	1523.2	1504.0	1375.3	1203.7	1117.9	1063.3
140°	1446.2	1464.1	1535.9	1607.7	1535.9	1464.1	1446.2	1335.0	1186.8	1112.6	1064.4
142.5°	1405.6	1421.0	1482.8	1544.6	1482.8	1421.0	1405.6	1307.9	1177.8	1112.6	1068.2
145°	1344.8	1356.4	1403.2	1449.9	1403.2	1356.4	1344.8	1264.9	1158.3	1105.1	1068.2
147.5°	1293.6	1303.3	1342.1	1380.8	1342.1	1303.3	1293.6	1230.8	1147.0	1105.1	1075.5
150°	1264.3	1272.2	1303.6	1335.0	1303.6	1272.2	1264.3	1211.2	1140.5	1105.1	1079.4
152.5°	1241.0	1247.0	1270.7	1294.4	1270.7	1247.0	1241.0	1195.7	1135.3	1105.1	1081.9
155°	1213.3	1217.2	1232.8	1248.6	1232.8	1217.2	1213.3	1177.2	1129.1	1105.1	1087.4
157.5°	1189.2	1192.0	1203.1	1214.1	1203.1	1192.0	1189.2	1161.2	1123.8	1105.1	1092.9
160°	1177.2	1178.8	1185.1	1191.5	1185.1	1178.8	1177.2	1153.2	1121.1	1105.1	1095.4
162.5°	1166.0	1167.5	1173.4	1179.4	1173.4	1167.5	1166.0	1145.6	1118.6	1105.1	1098.1
165°	1148.7	1150.3	1156.6	1162.9	1156.6	1150.3	1148.7	1134.2	1114.8	1105.1	1101.9
167.5°	1141.1	1141.8	1144.5	1147.2	1144.5	1141.8	1141.1	1131.7	1119.0	1112.6	1110.0
170°	1141.1	1141.1	1141.1	1141.1	1141.1	1141.1	1141.1	1131.7	1119.0	1112.6	1112.5
172.5°	1135.1	1134.6	1132.2	1129.9	1132.2	1134.6	1135.1	1127.7	1117.6	1112.6	1112.6
175°	1126.8	1126.8	1126.8	1126.8	1126.8	1126.8	1126.8	1122.1	1115.8	1112.6	1114.2
177.5°	1125.4	1124.8	1122.0	1119.4	1122.0	1124.8	1125.4	1121.6	1116.6	1114.1	1115.3
180°	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4



TEST NUMBER: P936051

CATALOG NUMBER: SQ4-FA-150U-100D-930-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1682.0	1682.0	1682.0	1682.0	1682.0
2.5°	1661.3	1669.3	1674.0	1680.4	1696.3
5°	1597.6	1627.9	1637.4	1661.3	1689.9
7.5°	1457.6	1549.9	1575.4	1632.7	1677.2
10°	1322.4	1414.6	1459.2	1594.4	1661.3
12.5°	1254.0	1308.0	1338.3	1527.6	1639.0
15°	1211.0	1249.1	1271.5	1438.5	1613.5
17.5°	1177.5	1204.6	1220.5	1351.0	1578.5
20°	1156.9	1169.6	1183.9	1287.4	1538.8
22.5°	1142.5	1134.6	1145.7	1242.8	1484.7
25°	1133.0	1102.8	1115.5	1207.8	1421.0
27.5°	1141.0	1074.1	1078.9	1176.0	1354.2
30°	1142.5	1039.1	1040.7	1142.5	1279.4
32.5°	1131.4	1002.5	1004.1	1101.2	1195.0
35°	1104.4	959.5	958.0	1053.5	1080.5
37.5°	1067.7	913.4	913.4	1000.9	954.8
40°	1023.2	867.2	872.1	932.5	843.4
42.5°	969.1	817.9	824.3	841.8	760.6
45°	910.2	770.2	775.0	711.3	697.0
47.5°	845.0	720.9	722.5	590.4	676.3
50°	767.0	669.9	663.6	506.1	674.7
52.5°	698.6	614.2	595.1	458.3	612.6
55°	631.7	555.4	514.0	421.7	568.1
57.5°	572.9	479.0	439.2	378.7	558.6
60°	518.7	404.1	374.0	332.6	512.4
62.5°	474.2	348.5	342.2	300.7	464.6
65°	426.5	310.3	308.7	273.7	394.7
67.5°	380.3	284.8	283.2	248.2	300.7
70°	331.0	257.8	254.6	221.2	222.8
72.5°	280.1	227.6	224.4	198.9	184.6
75°	229.2	192.6	191.0	173.4	149.6
77.5°	179.8	152.7	155.9	140.0	109.8
80°	128.9	111.4	114.6	100.2	82.7
82.5°	85.9	73.2	76.4	63.7	55.7
85°	47.8	41.4	43.0	33.4	25.5
87.5°	22.2	19.1	19.1	12.8	7.9
90°	33.1	21.0	19.5	13.6	7.5
92.5°	203.9	145.0	132.3	81.1	30.0
95°	501.6	282.5	259.1	165.6	72.1
97.5°	675.6	310.3	289.6	207.2	124.7
100°	739.0	333.6	314.9	240.1	165.3
102.5°	768.1	356.9	339.4	269.6	199.9
105°	789.6	391.4	376.6	317.5	258.4
107.5°	793.5	442.5	428.7	373.6	318.6
110°	787.6	471.0	458.6	408.9	359.1



TEST NUMBER: P936051

CATALOG NUMBER: SQ4-FA-150U-100D-930-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	787.8	505.6	493.7	446.3	398.9
115°	795.1	557.4	546.5	502.8	459.0
117.5°	809.9	607.8	597.8	558.1	518.3
120°	821.9	637.1	627.8	590.4	552.9
122.5°	839.1	671.6	662.2	624.5	586.8
125°	862.4	716.0	707.4	672.9	638.5
127.5°	885.7	758.8	750.1	715.3	680.6
130°	902.8	787.3	778.0	740.6	703.2
132.5°	916.5	810.6	801.3	763.9	726.5
135°	931.6	837.7	829.2	795.1	761.0
137.5°	954.1	872.2	863.8	830.1	796.3
140°	967.9	895.5	887.7	856.7	825.6
142.5°	979.4	912.8	905.6	876.9	848.1
145°	994.4	939.1	932.8	907.8	882.7
147.5°	1016.4	972.1	966.0	941.7	917.3
150°	1027.9	989.4	983.8	961.8	939.8
152.5°	1035.5	1000.7	996.5	979.8	963.1
155°	1052.0	1025.4	1022.4	1010.0	997.6
157.5°	1068.6	1050.2	1047.3	1035.2	1023.2
160°	1076.0	1061.5	1059.2	1049.8	1040.5
162.5°	1084.0	1073.5	1071.8	1064.8	1057.8
165°	1095.5	1090.8	1089.2	1082.9	1076.6
167.5°	1104.6	1100.6	1099.9	1096.8	1093.8
170°	1112.1	1111.8	1111.1	1108.1	1105.1
172.5°	1112.6	1112.6	1112.5	1111.8	1111.1
175°	1117.1	1119.4	1119.4	1119.4	1119.4
177.5°	1117.6	1119.4	1119.4	1119.4	1119.4
180°	1119.4	1119.4	1119.4	1119.4	1119.4



TEST NUMBER: P936051
 CATALOG NUMBER: SQ4-FA-150U-100D-930-1D-UNV-STD-W-6

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	11.67	12.43	12.73	13.49	14.93	14.49	15.25	15.55	16.31	17.75
	3H	12.14	12.82	13.20	13.89	15.34	15.83	16.51	16.89	17.58	19.03
	4H	12.32	12.97	13.40	14.04	15.50	16.27	16.91	17.34	17.98	19.45
	6H	12.44	13.03	13.52	14.11	15.58	16.54	17.14	17.63	18.21	19.69
	8H	12.44	13.00	13.53	14.09	15.56	16.62	17.18	17.71	18.27	19.74
	12H	12.40	12.94	13.50	14.02	15.52	16.65	17.19	17.75	18.27	19.76
4H	2H	12.69	13.33	13.77	14.40	15.87	14.89	15.53	15.97	16.61	18.07
	3H	13.70	14.24	14.80	15.34	16.82	16.38	16.92	17.48	18.02	19.50
	4H	13.98	14.47	15.07	15.56	17.05	16.91	17.40	18.00	18.49	19.99
	6H	14.10	14.52	15.20	15.63	17.12	17.26	17.69	18.37	18.80	20.29
	8H	14.10	14.49	15.20	15.60	17.10	17.37	17.76	18.47	18.87	20.37
	12H	14.06	14.42	15.18	15.53	17.05	17.42	17.78	18.54	18.89	20.40
8H	4H	14.42	14.82	15.53	15.92	17.43	17.02	17.42	18.13	18.52	20.03
	6H	14.68	15.00	15.80	16.15	17.65	17.45	17.78	18.58	18.93	20.43
	8H	14.72	15.00	15.85	16.13	17.65	17.60	17.89	18.74	19.02	20.54
	12H	14.70	14.95	15.84	16.07	17.63	17.70	17.95	18.83	19.07	20.63
12H	4H	14.42	14.78	15.54	15.90	17.41	16.98	17.34	18.10	18.46	19.97
	6H	14.74	15.02	15.87	16.15	17.67	17.45	17.74	18.58	18.86	20.39
	8H	14.80	15.05	15.94	16.17	17.73	17.61	17.86	18.74	18.98	20.54