

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: P935941

Luminaire Tested: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935941
REPORT IS A COMBINATION OF REPORTS P933775 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

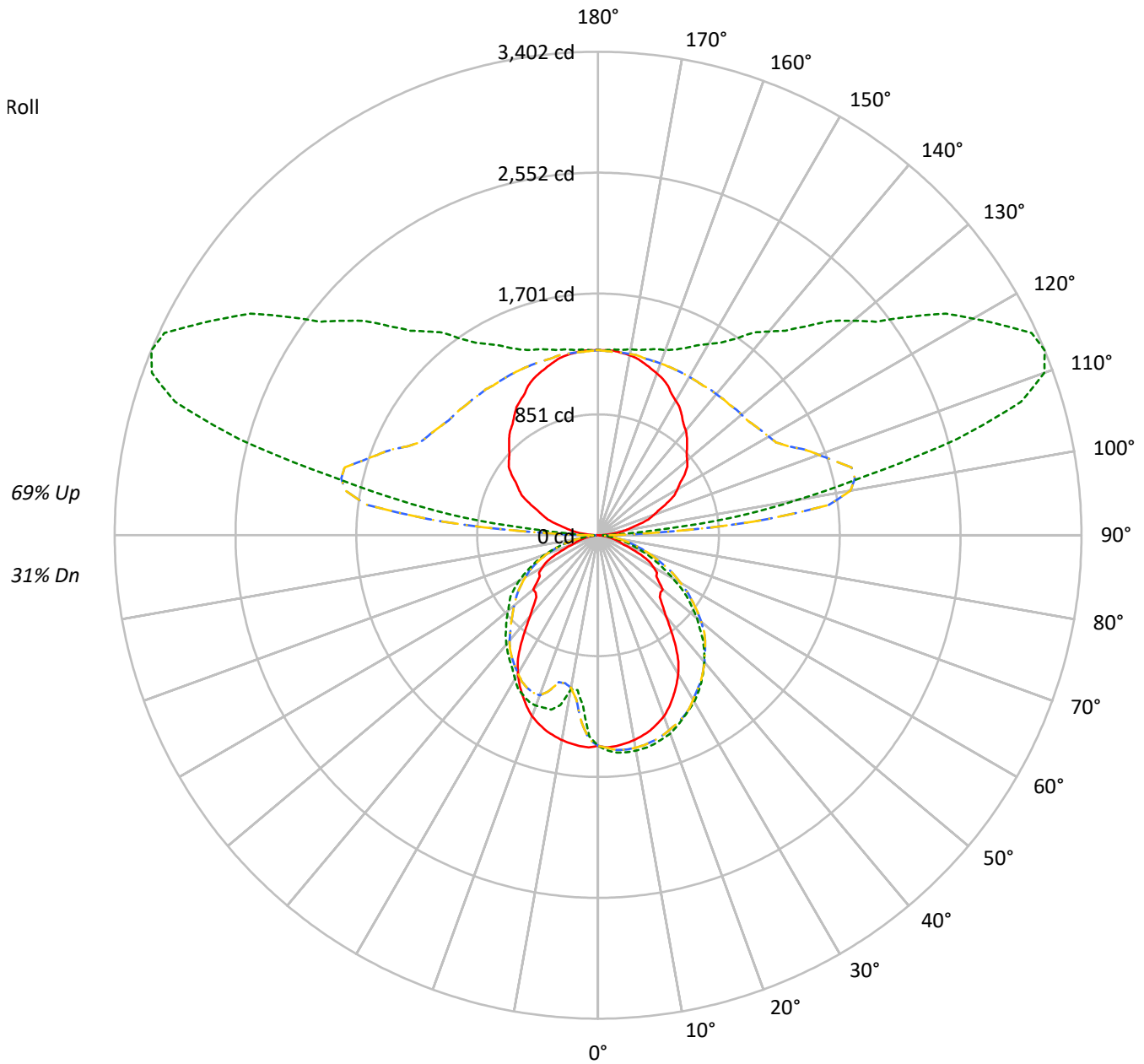
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12294.1 lumens
Efficiency: N/A
Efficacy: 128.9 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): 95.4
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

TEST NUMBER: P935941
CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-5000K

Luminous Intensity Polar Plot



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



TEST NUMBER: P935941

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-5000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	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	34	34	33	34	34	33	26
2	85	78	72	67	76	70	65	61	56	52	49	43	40	38	30	29	28	30	29	28	22
3	78	69	61	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	33	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	23	21	19	17	15	19	17	15	12
7	55	43	36	30	49	39	33	28	32	27	23	24	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	14	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°	9168	9168	9168	9168
5°	9233	9255	9233	7277
10°	9167	9116	9167	6517
15°	9065	8918	9065	7447
20°	8872	8685	8872	7463
25°	8480	8343	8480	7304
30°	7976	8060	7976	6957
35°	7106	7702	7106	6576
40°	5918	7280	5918	6288
45°	5284	6786	5284	5956
50°	5610	6197	5610	5623
55°	5273	5562	5273	5431
60°	5429	4724	5429	4974
65°	4914	3905	4914	4366
70°	3395	3112	3395	3659
75°	2966	2300	2966	2755
80°	2373	1521	2373	1656
85°	1335	806	1335	685

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8104 cd/sqm



TEST NUMBER: P935941

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.8	1.1
10°-20°	379.8	3.1
20°-30°	587.1	4.8
30°-40°	700.9	5.7
40°-50°	705.0	5.7
50°-60°	613.5	5.0
60°-70°	435.0	3.5
70°-80°	230.1	1.9
80°-90°	62.3	0.5
90°-100°	635.1	5.2
100°-110°	1669.8	13.6
110°-120°	1731.4	14.1
120°-130°	1388.8	11.3
130°-140°	1089.7	8.9
140°-150°	836.4	6.8
150°-160°	602.3	4.9
160°-170°	368.5	3.0
170°-180°	124.5	1.0
0°-30°	1100.7	9.0
0°-40°	1801.6	14.7
0°-60°	3120.1	25.4
0°-90°	3847.5	31.3
90°-120°	4036.3	32.8
90°-150°	7351.2	59.8
90°-180°	8447.0	68.7
0°-180°	12294.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1482	1482	1482	1482	1482	
5°	1489	1535	1489	1207	1489	141
15°	1422	1521	1422	1270	1422	400
25°	1252	1419	1252	1242	1252	575
35°	952	1266	952	1081	952	589
45°	614	1043	614	916	614	492
55°	500	770	500	752	500	460
65°	348	464	348	519	348	332
75°	132	220	132	264	132	139
85°	22	56	22	48	22	30
90°	9	33	9	33	9	8
95°	84	384	84	384	84	93
105°	301	2615	301	2615	301	319
115°	534	3367	534	3367	534	528
125°	743	2681	743	2681	743	660
135°	886	2080	886	2080	886	685
145°	1028	1688	1028	1688	1028	644
155°	1161	1453	1161	1453	1161	534
165°	1253	1354	1253	1354	1253	354
175°	1303	1312	1303	1312	1303	124
180°	1303	1303	1303	1303	1303	



TEST NUMBER: P935941

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0
2.5°	1494.6	1494.6	1503.0	1505.8	1505.8	1501.6	1497.4	1501.6	1514.2	1518.4	1517.0
5°	1489.0	1500.2	1515.6	1518.4	1521.2	1519.8	1517.0	1519.8	1533.9	1536.7	1538.1
7.5°	1477.8	1498.8	1518.4	1522.6	1526.8	1522.6	1521.2	1524.0	1538.1	1540.9	1540.9
10°	1463.7	1493.2	1515.6	1518.4	1522.6	1518.4	1518.4	1524.0	1538.1	1540.9	1542.3
12.5°	1444.1	1484.8	1505.8	1508.6	1514.2	1512.8	1511.4	1517.0	1531.0	1533.9	1533.9
15°	1421.7	1469.4	1489.0	1491.8	1501.6	1498.8	1498.8	1504.4	1519.8	1524.0	1522.6
17.5°	1390.8	1449.7	1472.2	1476.4	1483.4	1482.0	1483.4	1489.0	1503.0	1505.8	1507.2
20°	1355.8	1423.1	1449.7	1453.9	1460.9	1460.9	1460.9	1468.0	1482.0	1487.6	1487.6
22.5°	1308.1	1395.0	1423.1	1425.9	1434.3	1434.3	1437.1	1446.9	1459.5	1460.9	1460.9
25°	1252.0	1364.2	1388.0	1396.5	1404.9	1409.1	1413.3	1418.9	1423.1	1421.7	1423.1
27.5°	1193.2	1324.9	1355.8	1361.4	1372.6	1376.8	1382.4	1383.8	1385.2	1389.4	1386.6
30°	1127.3	1270.3	1316.5	1322.1	1340.4	1343.2	1337.6	1340.4	1347.4	1350.2	1353.0
32.5°	1052.9	1188.9	1275.9	1288.5	1305.3	1296.9	1295.5	1299.7	1310.9	1310.9	1313.7
35°	952.0	1125.9	1238.0	1249.2	1261.9	1252.0	1257.6	1259.0	1266.1	1270.3	1268.9
37.5°	841.2	1071.2	1198.8	1207.2	1217.0	1204.4	1212.8	1217.0	1222.6	1219.8	1219.8
40°	743.1	985.6	1152.5	1158.1	1166.5	1156.7	1165.1	1167.9	1170.7	1167.9	1166.5
42.5°	670.2	891.7	1103.4	1110.4	1104.8	1111.8	1114.6	1120.2	1116.0	1110.4	1110.4
45°	614.1	866.5	1050.1	1058.6	1050.1	1061.4	1065.6	1065.6	1052.9	1050.1	1048.7
47.5°	595.9	816.0	996.9	996.9	992.7	1006.7	1013.7	1003.9	991.3	987.0	987.0
50°	594.5	759.9	924.0	918.3	938.0	954.8	947.8	938.0	928.2	912.7	912.7
52.5°	539.8	691.2	830.0	851.0	881.9	891.7	880.5	870.7	853.9	846.8	841.2
55°	500.5	619.7	744.5	786.6	818.8	831.4	810.4	800.6	775.3	771.1	768.3
57.5°	492.1	516.0	666.0	719.3	758.5	757.1	744.5	726.3	705.2	701.0	699.6
60°	451.5	372.9	581.9	644.9	685.6	681.4	670.2	653.4	633.7	630.9	628.1
62.5°	409.4	270.6	486.5	558.0	615.5	614.1	604.3	579.1	565.0	558.0	552.4
65°	347.7	227.1	346.3	464.1	546.8	549.6	528.6	510.3	494.9	486.5	485.1
67.5°	265.0	185.1	234.1	387.0	480.9	478.1	451.5	443.1	423.4	419.2	410.8
70°	196.3	123.4	162.6	314.1	416.4	409.4	388.4	378.6	360.3	350.5	344.9
72.5°	162.6	99.5	119.2	244.0	350.5	342.1	323.9	312.7	297.2	288.8	283.2
75°	131.8	105.2	91.1	180.9	284.6	279.0	262.2	251.0	238.4	227.1	228.5
77.5°	96.7	98.1	72.9	133.2	225.7	217.3	207.5	193.5	187.9	176.7	176.7
80°	72.9	77.1	54.7	91.1	162.6	162.6	154.2	144.4	134.6	129.0	129.0
82.5°	49.1	49.1	40.7	57.5	110.8	106.6	100.9	98.1	92.5	89.7	89.7
85°	22.4	28.0	25.2	35.1	60.3	63.1	63.1	60.3	58.9	56.1	57.5
87.5°	7.0	12.6	15.4	19.6	30.8	32.2	33.6	33.6	33.6	35.1	35.1
90°	8.8	15.8	22.7	24.5	38.5	57.1	66.5	59.1	44.3	33.3	33.3
92.5°	35.0	94.4	153.9	168.8	237.3	328.6	374.3	328.0	235.5	166.2	159.6
95°	83.9	192.7	301.6	328.8	583.9	924.0	1094.0	976.2	740.7	564.0	544.0
97.5°	145.2	241.2	337.1	361.2	786.5	1353.5	1637.0	1562.6	1413.7	1302.1	1264.0
100°	192.4	279.5	366.5	388.3	860.2	1489.5	1804.1	1809.5	1820.4	1828.6	1783.2
102.5°	232.6	313.9	395.1	415.4	894.0	1532.2	1851.3	1946.1	2135.7	2278.0	2239.1
105°	300.8	369.6	438.4	455.6	919.1	1537.0	1846.0	2058.6	2483.8	2802.7	2781.8
107.5°	370.8	434.9	499.0	515.0	923.7	1468.6	1741.1	2037.7	2630.7	3075.6	3080.6
110°	418.0	476.0	533.8	548.3	916.8	1407.9	1653.6	1985.1	2648.2	3145.5	3167.3



TEST NUMBER: P935941

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	464.4	519.5	574.7	588.5	917.0	1355.0	1574.0	1913.3	2591.9	3100.9	3134.3
115°	534.3	585.2	636.2	648.9	925.5	1294.3	1478.7	1805.6	2459.3	2949.6	2995.9
117.5°	603.4	649.6	695.9	707.5	942.7	1256.3	1413.2	1708.2	2298.1	2740.6	2792.0
120°	643.6	687.2	730.8	741.6	956.7	1243.5	1386.9	1656.5	2195.5	2599.8	2649.7
122.5°	683.0	726.9	770.9	781.8	976.8	1236.8	1366.8	1609.6	2095.0	2459.0	2508.3
125°	743.3	783.3	823.4	833.4	1003.9	1231.3	1344.9	1551.1	1963.4	2272.7	2318.1
127.5°	792.3	832.6	873.1	883.2	1031.0	1228.0	1326.5	1503.6	1857.6	2123.2	2161.5
130°	818.5	862.1	905.6	916.5	1050.9	1230.1	1319.6	1477.2	1792.4	2028.8	2064.1
132.5°	845.6	889.2	932.7	943.6	1066.9	1231.3	1313.4	1454.5	1736.7	1948.3	1980.0
135°	885.8	925.5	965.2	975.1	1084.4	1230.1	1303.0	1421.1	1657.4	1834.6	1861.9
137.5°	926.9	966.2	1005.5	1015.3	1110.6	1237.6	1301.2	1401.1	1600.9	1750.7	1773.0
140°	961.1	997.2	1033.3	1042.4	1126.6	1239.0	1295.1	1381.4	1553.9	1683.4	1704.2
142.5°	987.2	1020.7	1054.2	1062.5	1140.1	1243.4	1295.1	1370.9	1522.4	1636.1	1654.1
145°	1027.5	1056.7	1085.8	1093.1	1157.5	1243.4	1286.3	1348.3	1472.3	1565.4	1578.9
147.5°	1067.7	1096.1	1124.5	1131.6	1183.2	1251.9	1286.3	1335.1	1432.6	1505.8	1517.1
150°	1094.0	1119.6	1145.2	1151.7	1196.5	1256.4	1286.3	1327.6	1409.9	1471.7	1480.9
152.5°	1121.1	1140.5	1160.0	1164.8	1205.3	1259.3	1286.3	1321.5	1391.9	1444.6	1451.5
155°	1161.3	1175.7	1190.1	1193.6	1224.6	1265.8	1286.3	1314.3	1370.3	1412.2	1416.8
157.5°	1191.0	1205.0	1219.0	1222.5	1243.8	1272.1	1286.3	1308.1	1351.7	1384.3	1387.5
160°	1211.2	1222.0	1232.9	1235.6	1252.5	1275.0	1286.3	1305.0	1342.3	1370.3	1372.1
162.5°	1231.3	1239.4	1247.6	1249.6	1261.9	1278.2	1286.3	1302.0	1333.5	1357.2	1359.0
165°	1253.2	1260.5	1267.8	1269.7	1275.2	1282.6	1286.3	1297.7	1320.2	1337.1	1339.0
167.5°	1273.3	1276.7	1280.3	1281.1	1285.8	1292.0	1295.1	1302.5	1317.3	1328.3	1329.1
170°	1286.3	1289.8	1293.4	1294.2	1294.5	1294.9	1295.1	1302.5	1317.3	1328.3	1328.3
172.5°	1293.4	1294.1	1294.9	1295.1	1295.1	1295.1	1295.1	1300.9	1312.6	1321.3	1320.6
175°	1303.0	1303.0	1303.0	1303.0	1300.4	1296.9	1295.1	1298.8	1306.2	1311.7	1311.7
177.5°	1303.0	1303.0	1303.0	1303.0	1300.9	1298.2	1296.8	1299.7	1305.6	1310.0	1309.2
180°	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0



TEST NUMBER: P935941

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0
2.5°	1519.8	1515.6	1519.8	1517.0	1518.4	1514.2	1501.6	1497.4	1501.6	1505.8	1505.8
5°	1538.1	1535.3	1538.1	1538.1	1536.7	1533.9	1519.8	1517.0	1519.8	1521.2	1518.4
7.5°	1543.7	1539.5	1543.7	1540.9	1540.9	1538.1	1524.0	1521.2	1522.6	1526.8	1522.6
10°	1543.7	1539.5	1543.7	1542.3	1540.9	1538.1	1524.0	1518.4	1518.4	1522.6	1518.4
12.5°	1536.7	1533.9	1536.7	1533.9	1533.9	1531.0	1517.0	1511.4	1512.8	1514.2	1508.6
15°	1525.4	1521.2	1525.4	1522.6	1524.0	1519.8	1504.4	1498.8	1498.8	1501.6	1491.8
17.5°	1508.6	1503.0	1508.6	1507.2	1505.8	1503.0	1489.0	1483.4	1482.0	1483.4	1476.4
20°	1489.0	1484.8	1489.0	1487.6	1487.6	1482.0	1468.0	1460.9	1460.9	1460.9	1453.9
22.5°	1458.1	1453.9	1458.1	1460.9	1460.9	1459.5	1446.9	1437.1	1434.3	1434.3	1425.9
25°	1423.1	1418.9	1423.1	1423.1	1421.7	1423.1	1418.9	1413.3	1409.1	1404.9	1396.5
27.5°	1389.4	1386.6	1389.4	1386.6	1389.4	1385.2	1383.8	1382.4	1376.8	1372.6	1361.4
30°	1355.8	1353.0	1355.8	1353.0	1350.2	1347.4	1340.4	1337.6	1343.2	1340.4	1322.1
32.5°	1313.7	1310.9	1313.7	1313.7	1310.9	1310.9	1299.7	1295.5	1296.9	1305.3	1288.5
35°	1270.3	1266.1	1270.3	1268.9	1270.3	1266.1	1259.0	1257.6	1252.0	1261.9	1249.2
37.5°	1219.8	1215.6	1219.8	1219.8	1219.8	1222.6	1217.0	1212.8	1204.4	1217.0	1207.2
40°	1167.9	1162.3	1167.9	1166.5	1167.9	1170.7	1167.9	1165.1	1156.7	1166.5	1158.1
42.5°	1109.0	1107.6	1109.0	1110.4	1110.4	1116.0	1120.2	1114.6	1111.8	1104.8	1110.4
45°	1045.9	1043.1	1045.9	1048.7	1050.1	1052.9	1065.6	1065.6	1061.4	1050.1	1058.6
47.5°	978.6	971.6	978.6	987.0	987.0	991.3	1003.9	1013.7	1006.7	992.7	996.9
50°	907.1	908.5	907.1	912.7	912.7	928.2	938.0	947.8	954.8	938.0	918.3
52.5°	837.0	835.6	837.0	841.2	846.8	853.9	870.7	880.5	891.7	881.9	851.0
55°	766.9	769.7	766.9	768.3	771.1	775.3	800.6	810.4	831.4	818.8	786.6
57.5°	696.8	692.6	696.8	699.6	701.0	705.2	726.3	744.5	757.1	758.5	719.3
60°	615.5	609.9	615.5	628.1	630.9	633.7	653.4	670.2	681.4	685.6	644.9
62.5°	544.0	534.2	544.0	552.4	558.0	565.0	579.1	604.3	614.1	615.5	558.0
65°	468.3	464.1	468.3	485.1	486.5	494.9	510.3	528.6	549.6	546.8	464.1
67.5°	399.6	399.6	399.6	410.8	419.2	423.4	443.1	451.5	478.1	480.9	387.0
70°	336.5	335.1	336.5	344.9	350.5	360.3	378.6	388.4	409.4	416.4	314.1
72.5°	276.2	274.8	276.2	283.2	288.8	297.2	312.7	323.9	342.1	350.5	244.0
75°	222.9	220.1	222.9	228.5	227.1	238.4	251.0	262.2	279.0	284.6	180.9
77.5°	171.1	171.1	171.1	176.7	176.7	187.9	193.5	207.5	217.3	225.7	133.2
80°	127.6	126.2	127.6	129.0	129.0	134.6	144.4	154.2	162.6	162.6	91.1
82.5°	89.7	86.9	89.7	89.7	89.7	92.5	98.1	100.9	106.6	110.8	57.5
85°	56.1	56.1	56.1	57.5	56.1	58.9	60.3	63.1	63.1	60.3	35.1
87.5°	36.5	35.1	36.5	35.1	35.1	33.6	33.6	33.6	32.2	30.8	19.6
90°	33.3	33.3	33.3	33.3	33.3	44.3	59.1	66.5	57.1	38.5	24.5
92.5°	133.1	106.6	133.1	159.6	166.2	235.5	328.0	374.3	328.6	237.3	168.8
95°	463.9	383.9	463.9	544.0	564.0	740.7	976.2	1094.0	924.0	583.9	328.8
97.5°	1111.6	959.3	1111.6	1264.0	1302.1	1413.7	1562.6	1637.0	1353.5	786.5	361.2
100°	1601.7	1420.2	1601.7	1783.2	1828.6	1820.4	1809.5	1804.1	1489.5	860.2	388.3
102.5°	2083.6	1928.2	2083.6	2239.1	2278.0	2135.7	1946.1	1851.3	1532.2	894.0	415.4
105°	2698.2	2614.7	2698.2	2781.8	2802.7	2483.8	2058.6	1846.0	1537.0	919.1	455.6
107.5°	3100.8	3121.0	3100.8	3080.6	3075.6	2630.7	2037.7	1741.1	1468.6	923.7	515.0
110°	3254.3	3341.4	3254.3	3167.3	3145.5	2648.2	1985.1	1653.6	1407.9	916.8	548.3



TEST NUMBER: P935941

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3268.0	3401.7	3268.0	3134.3	3100.9	2591.9	1913.3	1574.0	1355.0	917.0	588.5
115°	3181.3	3366.7	3181.3	2995.9	2949.6	2459.3	1805.6	1478.7	1294.3	925.5	648.9
117.5°	2997.6	3203.2	2997.6	2792.0	2740.6	2298.1	1708.2	1413.2	1256.3	942.7	707.5
120°	2849.5	3049.3	2849.5	2649.7	2599.8	2195.5	1656.5	1386.9	1243.5	956.7	741.6
122.5°	2705.3	2902.4	2705.3	2508.3	2459.0	2095.0	1609.6	1366.8	1236.8	976.8	781.8
125°	2499.6	2681.1	2499.6	2318.1	2272.7	1963.4	1551.1	1344.9	1231.3	1003.9	833.4
127.5°	2314.6	2467.8	2314.6	2161.5	2123.2	1857.6	1503.6	1326.5	1228.0	1031.0	883.2
130°	2205.6	2347.0	2205.6	2064.1	2028.8	1792.4	1477.2	1319.6	1230.1	1050.9	916.5
132.5°	2106.6	2233.4	2106.6	1980.0	1948.3	1736.7	1454.5	1313.4	1231.3	1066.9	943.6
135°	1971.2	2080.4	1971.2	1861.9	1834.6	1657.4	1421.1	1303.0	1230.1	1084.4	975.1
137.5°	1862.5	1951.9	1862.5	1773.0	1750.7	1600.9	1401.1	1301.2	1237.6	1110.6	1015.3
140°	1787.8	1871.4	1787.8	1704.2	1683.4	1553.9	1381.4	1295.1	1239.0	1126.6	1042.4
142.5°	1726.0	1797.9	1726.0	1654.1	1636.1	1522.4	1370.9	1295.1	1243.4	1140.1	1062.5
145°	1633.3	1687.7	1633.3	1578.9	1565.4	1472.3	1348.3	1286.3	1243.4	1157.5	1093.1
147.5°	1562.2	1607.3	1562.2	1517.1	1505.8	1432.6	1335.1	1286.3	1251.9	1183.2	1131.6
150°	1517.4	1553.9	1517.4	1480.9	1471.7	1409.9	1327.6	1286.3	1256.4	1196.5	1151.7
152.5°	1479.1	1506.7	1479.1	1451.5	1444.6	1391.9	1321.5	1286.3	1259.3	1205.3	1164.8
155°	1435.1	1453.4	1435.1	1416.8	1412.2	1370.3	1314.3	1286.3	1265.8	1224.6	1193.6
157.5°	1400.4	1413.2	1400.4	1387.5	1384.3	1351.7	1308.1	1286.3	1272.1	1243.8	1222.5
160°	1379.5	1386.9	1379.5	1372.1	1370.3	1342.3	1305.0	1286.3	1275.0	1252.5	1235.6
162.5°	1365.9	1372.9	1365.9	1359.0	1357.2	1333.5	1302.0	1286.3	1278.2	1261.9	1249.6
165°	1346.3	1353.6	1346.3	1339.0	1337.1	1320.2	1297.7	1286.3	1282.6	1275.2	1269.7
167.5°	1332.2	1335.3	1332.2	1329.1	1328.3	1317.3	1302.5	1295.1	1292.0	1285.8	1281.1
170°	1328.3	1328.3	1328.3	1328.3	1328.3	1317.3	1302.5	1295.1	1294.9	1294.5	1294.2
172.5°	1317.9	1315.2	1317.9	1320.6	1321.3	1312.6	1300.9	1295.1	1295.1	1295.1	1295.1
175°	1311.7	1311.7	1311.7	1311.7	1311.7	1306.2	1298.8	1295.1	1296.9	1300.4	1303.0
177.5°	1306.1	1303.0	1306.1	1309.2	1310.0	1305.6	1299.7	1296.8	1298.2	1300.9	1303.0
180°	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0



TEST NUMBER: P935941

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0
2.5°	1503.0	1494.6	1494.6	1480.6	1475.0	1470.8	1463.7	1442.7	1437.1	1431.5	1439.9
5°	1515.6	1500.2	1489.0	1463.7	1442.7	1434.3	1407.7	1357.2	1323.5	1298.3	1284.3
7.5°	1518.4	1498.8	1477.8	1438.5	1388.0	1365.6	1284.3	1191.8	1166.5	1144.1	1130.1
10°	1515.6	1493.2	1463.7	1404.9	1285.7	1246.4	1165.1	1104.8	1089.4	1085.2	1089.4
12.5°	1505.8	1484.8	1444.1	1346.0	1179.1	1152.5	1104.8	1069.8	1067.0	1074.0	1111.8
15°	1489.0	1469.4	1421.7	1267.5	1120.2	1100.6	1067.0	1054.3	1069.8	1118.8	1232.4
17.5°	1472.2	1449.7	1390.8	1190.3	1075.4	1061.4	1037.5	1062.8	1149.7	1215.6	1253.4
20°	1449.7	1423.1	1355.8	1134.3	1043.1	1030.5	1019.3	1132.9	1198.8	1222.6	1243.6
22.5°	1423.1	1395.0	1308.1	1095.0	1009.5	999.7	1006.7	1172.1	1198.8	1215.6	1233.8
25°	1388.0	1364.2	1252.0	1064.2	982.8	971.6	998.3	1167.9	1183.3	1187.5	1224.0
27.5°	1355.8	1324.9	1193.2	1036.1	950.6	946.4	1005.3	1149.7	1160.9	1165.1	1204.4
30°	1316.5	1270.3	1127.3	1006.7	916.9	915.5	1006.7	1127.3	1124.5	1135.7	1174.9
32.5°	1275.9	1188.9	1052.9	970.2	884.7	883.3	996.9	1093.6	1090.8	1106.2	1135.7
35°	1238.0	1125.9	952.0	928.2	844.0	845.4	973.0	1054.3	1055.8	1069.8	1088.0
37.5°	1198.8	1071.2	841.2	881.9	804.8	804.8	940.8	1017.9	1015.1	1019.3	1044.5
40°	1152.5	985.6	743.1	821.6	768.3	764.1	901.5	978.6	968.8	967.4	1002.5
42.5°	1103.4	891.7	670.2	741.7	726.3	720.7	853.9	931.0	912.7	916.9	961.8
45°	1050.1	866.5	614.1	626.7	682.8	678.6	802.0	876.3	863.7	874.9	921.2
47.5°	996.9	816.0	595.9	520.2	636.5	635.1	744.5	823.0	816.0	827.2	876.3
50°	924.0	759.9	594.5	445.9	584.7	590.3	675.8	771.1	771.1	780.9	832.8
52.5°	830.0	691.2	539.8	403.8	524.4	541.2	615.5	726.3	729.1	738.9	785.2
55°	744.5	619.7	500.5	371.5	452.9	489.3	556.6	680.0	685.6	695.4	737.5
57.5°	666.0	516.0	492.1	333.7	387.0	422.0	504.7	635.1	637.9	646.3	687.0
60°	581.9	372.9	451.5	293.0	329.5	356.1	457.1	581.9	591.7	597.3	632.3
62.5°	486.5	270.6	409.4	265.0	301.4	307.1	417.8	531.4	544.0	548.2	569.2
65°	346.3	227.1	347.7	241.2	272.0	273.4	375.8	479.5	490.7	497.7	513.2
67.5°	234.1	185.1	265.0	218.7	249.6	251.0	335.1	419.2	434.6	440.2	450.1
70°	162.6	123.4	196.3	194.9	224.3	227.1	291.6	364.5	378.6	382.8	388.4
72.5°	119.2	99.5	162.6	175.3	197.7	200.5	246.8	302.8	316.9	321.1	323.9
75°	91.1	105.2	131.8	152.8	168.2	169.6	201.9	246.8	256.6	259.4	260.8
77.5°	72.9	98.1	96.7	123.4	137.4	134.6	158.4	190.7	199.1	199.1	199.1
80°	54.7	77.1	72.9	88.3	100.9	98.1	113.6	136.0	138.8	141.6	140.2
82.5°	40.7	49.1	49.1	56.1	67.3	64.5	75.7	88.3	88.3	88.3	91.1
85°	25.2	28.0	22.4	29.4	37.9	36.5	42.1	47.7	49.1	49.1	46.3
87.5°	15.4	12.6	7.0	11.2	16.8	16.8	19.6	21.0	19.6	19.6	19.6
90°	22.7	15.8	8.8	15.8	22.7	24.5	38.5	57.1	66.5	59.1	44.3
92.5°	153.9	94.4	35.0	94.4	153.9	168.8	237.3	328.6	374.3	328.0	235.5
95°	301.6	192.7	83.9	192.7	301.6	328.8	583.9	924.0	1094.0	976.2	740.7
97.5°	337.1	241.2	145.2	241.2	337.1	361.2	786.5	1353.5	1637.0	1562.6	1413.7
100°	366.5	279.5	192.4	279.5	366.5	388.3	860.2	1489.5	1804.1	1809.5	1820.4
102.5°	395.1	313.9	232.6	313.9	395.1	415.4	894.0	1532.2	1851.3	1946.1	2135.7
105°	438.4	369.6	300.8	369.6	438.4	455.6	919.1	1537.0	1846.0	2058.6	2483.8
107.5°	499.0	434.9	370.8	434.9	499.0	515.0	923.7	1468.6	1741.1	2037.7	2630.7
110°	533.8	476.0	418.0	476.0	533.8	548.3	916.8	1407.9	1653.6	1985.1	2648.2



TEST NUMBER: P935941

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	574.7	519.5	464.4	519.5	574.7	588.5	917.0	1355.0	1574.0	1913.3	2591.9
115°	636.2	585.2	534.3	585.2	636.2	648.9	925.5	1294.3	1478.7	1805.6	2459.3
117.5°	695.9	649.6	603.4	649.6	695.9	707.5	942.7	1256.3	1413.2	1708.2	2298.1
120°	730.8	687.2	643.6	687.2	730.8	741.6	956.7	1243.5	1386.9	1656.5	2195.5
122.5°	770.9	726.9	683.0	726.9	770.9	781.8	976.8	1236.8	1366.8	1609.6	2095.0
125°	823.4	783.3	743.3	783.3	823.4	833.4	1003.9	1231.3	1344.9	1551.1	1963.4
127.5°	873.1	832.6	792.3	832.6	873.1	883.2	1031.0	1228.0	1326.5	1503.6	1857.6
130°	905.6	862.1	818.5	862.1	905.6	916.5	1050.9	1230.1	1319.6	1477.2	1792.4
132.5°	932.7	889.2	845.6	889.2	932.7	943.6	1066.9	1231.3	1313.4	1454.5	1736.7
135°	965.2	925.5	885.8	925.5	965.2	975.1	1084.4	1230.1	1303.0	1421.1	1657.4
137.5°	1005.5	966.2	926.9	966.2	1005.5	1015.3	1110.6	1237.6	1301.2	1401.1	1600.9
140°	1033.3	997.2	961.1	997.2	1033.3	1042.4	1126.6	1239.0	1295.1	1381.4	1553.9
142.5°	1054.2	1020.7	987.2	1020.7	1054.2	1062.5	1140.1	1243.4	1295.1	1370.9	1522.4
145°	1085.8	1056.7	1027.5	1056.7	1085.8	1093.1	1157.5	1243.4	1286.3	1348.3	1472.3
147.5°	1124.5	1096.1	1067.7	1096.1	1124.5	1131.6	1183.2	1251.9	1286.3	1335.1	1432.6
150°	1145.2	1119.6	1094.0	1119.6	1145.2	1151.7	1196.5	1256.4	1286.3	1327.6	1409.9
152.5°	1160.0	1140.5	1121.1	1140.5	1160.0	1164.8	1205.3	1259.3	1286.3	1321.5	1391.9
155°	1190.1	1175.7	1161.3	1175.7	1190.1	1193.6	1224.6	1265.8	1286.3	1314.3	1370.3
157.5°	1219.0	1205.0	1191.0	1205.0	1219.0	1222.5	1243.8	1272.1	1286.3	1308.1	1351.7
160°	1232.9	1222.0	1211.2	1222.0	1232.9	1235.6	1252.5	1275.0	1286.3	1305.0	1342.3
162.5°	1247.6	1239.4	1231.3	1239.4	1247.6	1249.6	1261.9	1278.2	1286.3	1302.0	1333.5
165°	1267.8	1260.5	1253.2	1260.5	1267.8	1269.7	1275.2	1282.6	1286.3	1297.7	1320.2
167.5°	1280.3	1276.7	1273.3	1276.7	1280.3	1281.1	1285.8	1292.0	1295.1	1302.5	1317.3
170°	1293.4	1289.8	1286.3	1289.8	1293.4	1294.2	1294.5	1294.9	1295.1	1302.5	1317.3
172.5°	1294.9	1294.1	1293.4	1294.1	1294.9	1295.1	1295.1	1295.1	1295.1	1300.9	1312.6
175°	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1300.4	1296.9	1295.1	1298.8	1306.2
177.5°	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1300.9	1298.2	1296.8	1299.7	1305.6
180°	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0



TEST NUMBER: P935941

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0
2.5°	1430.1	1425.9	1431.5	1416.1	1431.5	1425.9	1430.1	1439.9	1431.5	1437.1	1442.7
5°	1254.8	1247.8	1225.4	1207.2	1225.4	1247.8	1254.8	1284.3	1298.3	1323.5	1357.2
7.5°	1121.6	1116.0	1110.4	1099.2	1110.4	1116.0	1121.6	1130.1	1144.1	1166.5	1191.8
10°	1092.2	1093.6	1102.0	1100.6	1102.0	1093.6	1092.2	1089.4	1085.2	1089.4	1104.8
12.5°	1167.9	1180.5	1226.8	1224.0	1226.8	1180.5	1167.9	1111.8	1074.0	1067.0	1069.8
15°	1254.8	1259.0	1268.9	1270.3	1268.9	1259.0	1254.8	1232.4	1118.8	1069.8	1054.3
17.5°	1263.3	1264.7	1271.7	1271.7	1271.7	1264.7	1263.3	1253.4	1215.6	1149.7	1062.8
20°	1256.2	1259.0	1273.1	1275.9	1273.1	1259.0	1256.2	1243.6	1222.6	1198.8	1132.9
22.5°	1253.4	1259.0	1270.3	1268.9	1270.3	1259.0	1253.4	1233.8	1215.6	1198.8	1172.1
25°	1239.4	1239.4	1240.8	1242.2	1240.8	1239.4	1239.4	1224.0	1187.5	1183.3	1167.9
27.5°	1210.0	1212.8	1221.2	1219.8	1221.2	1212.8	1210.0	1204.4	1165.1	1160.9	1149.7
30°	1183.3	1180.5	1173.5	1167.9	1173.5	1180.5	1183.3	1174.9	1135.7	1124.5	1127.3
32.5°	1138.5	1131.5	1124.5	1120.2	1124.5	1131.5	1138.5	1135.7	1106.2	1090.8	1093.6
35°	1085.2	1086.6	1085.2	1081.0	1085.2	1086.6	1085.2	1088.0	1069.8	1055.8	1054.3
37.5°	1047.3	1050.1	1048.7	1043.1	1048.7	1050.1	1047.3	1044.5	1019.3	1015.1	1017.9
40°	1008.1	1009.5	1008.1	1003.9	1008.1	1009.5	1008.1	1002.5	967.4	968.8	978.6
42.5°	970.2	968.8	964.6	961.8	964.6	968.8	970.2	961.8	916.9	912.7	931.0
45°	926.8	928.2	919.8	915.5	919.8	928.2	926.8	921.2	874.9	863.7	876.3
47.5°	883.3	883.3	876.3	872.1	876.3	883.3	883.3	876.3	827.2	816.0	823.0
50°	837.0	835.6	825.8	824.4	825.8	835.6	837.0	832.8	780.9	771.1	771.1
52.5°	783.8	783.8	785.2	788.0	785.2	783.8	783.8	785.2	738.9	729.1	726.3
55°	737.5	738.9	748.7	751.5	748.7	738.9	737.5	737.5	695.4	685.6	680.0
57.5°	689.8	689.8	696.8	696.8	696.8	689.8	689.8	687.0	646.3	637.9	635.1
60°	635.1	637.9	643.5	642.1	643.5	637.9	635.1	632.3	597.3	591.7	581.9
62.5°	577.6	580.5	581.9	579.1	581.9	580.5	577.6	569.2	548.2	544.0	531.4
65°	517.4	520.2	521.6	518.8	521.6	520.2	517.4	513.2	497.7	490.7	479.5
67.5°	455.7	454.3	452.9	458.5	452.9	454.3	455.7	450.1	440.2	434.6	419.2
70°	392.6	392.6	391.2	394.0	391.2	392.6	392.6	388.4	382.8	378.6	364.5
72.5°	325.3	323.9	329.5	325.3	329.5	323.9	325.3	323.9	321.1	316.9	302.8
75°	259.4	262.2	259.4	263.6	259.4	262.2	259.4	260.8	259.4	256.6	246.8
77.5°	197.7	200.5	197.7	197.7	197.7	200.5	197.7	199.1	199.1	199.1	190.7
80°	140.2	138.8	138.8	137.4	138.8	138.8	140.2	140.2	141.6	138.8	136.0
82.5°	89.7	88.3	88.3	91.1	88.3	88.3	89.7	91.1	88.3	88.3	88.3
85°	49.1	50.5	47.7	47.7	47.7	50.5	49.1	46.3	49.1	49.1	47.7
87.5°	18.2	16.8	16.8	16.8	16.8	16.8	18.2	19.6	19.6	19.6	21.0
90°	33.3	33.3	33.3	33.3	33.3	33.3	33.3	44.3	59.1	66.5	57.1
92.5°	166.2	159.6	133.1	106.6	133.1	159.6	166.2	235.5	328.0	374.3	328.6
95°	564.0	544.0	463.9	383.9	463.9	544.0	564.0	740.7	976.2	1094.0	924.0
97.5°	1302.1	1264.0	1111.6	959.3	1111.6	1264.0	1302.1	1413.7	1562.6	1637.0	1353.5
100°	1828.6	1783.2	1601.7	1420.2	1601.7	1783.2	1828.6	1820.4	1809.5	1804.1	1489.5
102.5°	2278.0	2239.1	2083.6	1928.2	2083.6	2239.1	2278.0	2135.7	1946.1	1851.3	1532.2
105°	2802.7	2781.8	2698.2	2614.7	2698.2	2781.8	2802.7	2483.8	2058.6	1846.0	1537.0
107.5°	3075.6	3080.6	3100.8	3121.0	3100.8	3080.6	3075.6	2630.7	2037.7	1741.1	1468.6
110°	3145.5	3167.3	3254.3	3341.4	3254.3	3167.3	3145.5	2648.2	1985.1	1653.6	1407.9



TEST NUMBER: P935941

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3100.9	3134.3	3268.0	3401.7	3268.0	3134.3	3100.9	2591.9	1913.3	1574.0	1355.0
115°	2949.6	2995.9	3181.3	3366.7	3181.3	2995.9	2949.6	2459.3	1805.6	1478.7	1294.3
117.5°	2740.6	2792.0	2997.6	3203.2	2997.6	2792.0	2740.6	2298.1	1708.2	1413.2	1256.3
120°	2599.8	2649.7	2849.5	3049.3	2849.5	2649.7	2599.8	2195.5	1656.5	1386.9	1243.5
122.5°	2459.0	2508.3	2705.3	2902.4	2705.3	2508.3	2459.0	2095.0	1609.6	1366.8	1236.8
125°	2272.7	2318.1	2499.6	2681.1	2499.6	2318.1	2272.7	1963.4	1551.1	1344.9	1231.3
127.5°	2123.2	2161.5	2314.6	2467.8	2314.6	2161.5	2123.2	1857.6	1503.6	1326.5	1228.0
130°	2028.8	2064.1	2205.6	2347.0	2205.6	2064.1	2028.8	1792.4	1477.2	1319.6	1230.1
132.5°	1948.3	1980.0	2106.6	2233.4	2106.6	1980.0	1948.3	1736.7	1454.5	1313.4	1231.3
135°	1834.6	1861.9	1971.2	2080.4	1971.2	1861.9	1834.6	1657.4	1421.1	1303.0	1230.1
137.5°	1750.7	1773.0	1862.5	1951.9	1862.5	1773.0	1750.7	1600.9	1401.1	1301.2	1237.6
140°	1683.4	1704.2	1787.8	1871.4	1787.8	1704.2	1683.4	1553.9	1381.4	1295.1	1239.0
142.5°	1636.1	1654.1	1726.0	1797.9	1726.0	1654.1	1636.1	1522.4	1370.9	1295.1	1243.4
145°	1565.4	1578.9	1633.3	1687.7	1633.3	1578.9	1565.4	1472.3	1348.3	1286.3	1243.4
147.5°	1505.8	1517.1	1562.2	1607.3	1562.2	1517.1	1505.8	1432.6	1335.1	1286.3	1251.9
150°	1471.7	1480.9	1517.4	1553.9	1517.4	1480.9	1471.7	1409.9	1327.6	1286.3	1256.4
152.5°	1444.6	1451.5	1479.1	1506.7	1479.1	1451.5	1444.6	1391.9	1321.5	1286.3	1259.3
155°	1412.2	1416.8	1435.1	1453.4	1435.1	1416.8	1412.2	1370.3	1314.3	1286.3	1265.8
157.5°	1384.3	1387.5	1400.4	1413.2	1400.4	1387.5	1384.3	1351.7	1308.1	1286.3	1272.1
160°	1370.3	1372.1	1379.5	1386.9	1379.5	1372.1	1370.3	1342.3	1305.0	1286.3	1275.0
162.5°	1357.2	1359.0	1365.9	1372.9	1365.9	1359.0	1357.2	1333.5	1302.0	1286.3	1278.2
165°	1337.1	1339.0	1346.3	1353.6	1346.3	1339.0	1337.1	1320.2	1297.7	1286.3	1282.6
167.5°	1328.3	1329.1	1332.2	1335.3	1332.2	1329.1	1328.3	1317.3	1302.5	1295.1	1292.0
170°	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1317.3	1302.5	1295.1	1294.9
172.5°	1321.3	1320.6	1317.9	1315.2	1317.9	1320.6	1321.3	1312.6	1300.9	1295.1	1295.1
175°	1311.7	1311.7	1311.7	1311.7	1311.7	1311.7	1311.7	1306.2	1298.8	1295.1	1296.9
177.5°	1310.0	1309.2	1306.1	1303.0	1306.1	1309.2	1310.0	1305.6	1299.7	1296.8	1298.2
180°	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0



TEST NUMBER: P935941

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1482.0	1482.0	1482.0	1482.0	1482.0
2.5°	1463.7	1470.8	1475.0	1480.6	1494.6
5°	1407.7	1434.3	1442.7	1463.7	1489.0
7.5°	1284.3	1365.6	1388.0	1438.5	1477.8
10°	1165.1	1246.4	1285.7	1404.9	1463.7
12.5°	1104.8	1152.5	1179.1	1346.0	1444.1
15°	1067.0	1100.6	1120.2	1267.5	1421.7
17.5°	1037.5	1061.4	1075.4	1190.3	1390.8
20°	1019.3	1030.5	1043.1	1134.3	1355.8
22.5°	1006.7	999.7	1009.5	1095.0	1308.1
25°	998.3	971.6	982.8	1064.2	1252.0
27.5°	1005.3	946.4	950.6	1036.1	1193.2
30°	1006.7	915.5	916.9	1006.7	1127.3
32.5°	996.9	883.3	884.7	970.2	1052.9
35°	973.0	845.4	844.0	928.2	952.0
37.5°	940.8	804.8	804.8	881.9	841.2
40°	901.5	764.1	768.3	821.6	743.1
42.5°	853.9	720.7	726.3	741.7	670.2
45°	802.0	678.6	682.8	626.7	614.1
47.5°	744.5	635.1	636.5	520.2	595.9
50°	675.8	590.3	584.7	445.9	594.5
52.5°	615.5	541.2	524.4	403.8	539.8
55°	556.6	489.3	452.9	371.5	500.5
57.5°	504.7	422.0	387.0	333.7	492.1
60°	457.1	356.1	329.5	293.0	451.5
62.5°	417.8	307.1	301.4	265.0	409.4
65°	375.8	273.4	272.0	241.2	347.7
67.5°	335.1	251.0	249.6	218.7	265.0
70°	291.6	227.1	224.3	194.9	196.3
72.5°	246.8	200.5	197.7	175.3	162.6
75°	201.9	169.6	168.2	152.8	131.8
77.5°	158.4	134.6	137.4	123.4	96.7
80°	113.6	98.1	100.9	88.3	72.9
82.5°	75.7	64.5	67.3	56.1	49.1
85°	42.1	36.5	37.9	29.4	22.4
87.5°	19.6	16.8	16.8	11.2	7.0
90°	38.5	24.5	22.7	15.8	8.8
92.5°	237.3	168.8	153.9	94.4	35.0
95°	583.9	328.8	301.6	192.7	83.9
97.5°	786.5	361.2	337.1	241.2	145.2
100°	860.2	388.3	366.5	279.5	192.4
102.5°	894.0	415.4	395.1	313.9	232.6
105°	919.1	455.6	438.4	369.6	300.8
107.5°	923.7	515.0	499.0	434.9	370.8
110°	916.8	548.3	533.8	476.0	418.0



TEST NUMBER: P935941

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	917.0	588.5	574.7	519.5	464.4
115°	925.5	648.9	636.2	585.2	534.3
117.5°	942.7	707.5	695.9	649.6	603.4
120°	956.7	741.6	730.8	687.2	643.6
122.5°	976.8	781.8	770.9	726.9	683.0
125°	1003.9	833.4	823.4	783.3	743.3
127.5°	1031.0	883.2	873.1	832.6	792.3
130°	1050.9	916.5	905.6	862.1	818.5
132.5°	1066.9	943.6	932.7	889.2	845.6
135°	1084.4	975.1	965.2	925.5	885.8
137.5°	1110.6	1015.3	1005.5	966.2	926.9
140°	1126.6	1042.4	1033.3	997.2	961.1
142.5°	1140.1	1062.5	1054.2	1020.7	987.2
145°	1157.5	1093.1	1085.8	1056.7	1027.5
147.5°	1183.2	1131.6	1124.5	1096.1	1067.7
150°	1196.5	1151.7	1145.2	1119.6	1094.0
152.5°	1205.3	1164.8	1160.0	1140.5	1121.1
155°	1224.6	1193.6	1190.1	1175.7	1161.3
157.5°	1243.8	1222.5	1219.0	1205.0	1191.0
160°	1252.5	1235.6	1232.9	1222.0	1211.2
162.5°	1261.9	1249.6	1247.6	1239.4	1231.3
165°	1275.2	1269.7	1267.8	1260.5	1253.2
167.5°	1285.8	1281.1	1280.3	1276.7	1273.3
170°	1294.5	1294.2	1293.4	1289.8	1286.3
172.5°	1295.1	1295.1	1294.9	1294.1	1293.4
175°	1300.4	1303.0	1303.0	1303.0	1303.0
177.5°	1300.9	1303.0	1303.0	1303.0	1303.0
180°	1303.0	1303.0	1303.0	1303.0	1303.0



TEST NUMBER: P935941
 CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-6-5000K

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	10.46	11.18	11.56	12.28	13.79	13.28	14.00	14.39	15.10	16.61
	3H	10.93	11.57	12.04	12.67	14.21	14.62	15.26	15.73	16.37	17.90
	4H	11.11	11.72	12.23	12.83	14.37	15.05	15.66	16.17	16.77	18.31
	6H	11.22	11.78	12.35	12.89	14.44	15.33	15.89	16.46	17.00	18.55
	8H	11.22	11.75	12.35	12.88	14.42	15.40	15.93	16.53	17.06	18.60
	12H	11.19	11.69	12.32	12.81	14.38	15.43	15.94	16.57	17.06	18.62
4H	2H	11.47	12.08	12.60	13.19	14.73	13.68	14.28	14.81	15.39	16.93
	3H	12.49	12.99	13.62	14.13	15.68	15.17	15.67	16.30	16.81	18.36
	4H	12.76	13.22	13.90	14.35	15.92	15.69	16.15	16.83	17.28	18.85
	6H	12.87	13.27	14.02	14.42	15.98	16.04	16.44	17.19	17.59	19.15
	8H	12.88	13.25	14.02	14.39	15.96	16.14	16.52	17.29	17.66	19.23
	12H	12.84	13.17	14.00	14.32	15.91	16.19	16.53	17.35	17.68	19.26
8H	4H	13.20	13.57	14.34	14.71	16.29	15.80	16.17	16.94	17.31	18.89
	6H	13.45	13.76	14.62	14.94	16.52	16.23	16.54	17.39	17.72	19.29
	8H	13.49	13.76	14.66	14.92	16.52	16.38	16.65	17.55	17.81	19.40
	12H	13.47	13.71	14.65	14.86	16.49	16.47	16.70	17.64	17.86	19.49
12H	4H	13.20	13.53	14.36	14.68	16.27	15.76	16.09	16.92	17.24	18.83
	6H	13.51	13.78	14.68	14.94	16.54	16.22	16.49	17.40	17.65	19.25
	8H	13.57	13.81	14.75	14.96	16.59	16.38	16.61	17.55	17.77	19.40