

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: P934777

Luminaire Tested: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-12-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934777
REPORT IS A COMBINATION OF REPORTS P933709 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-12-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

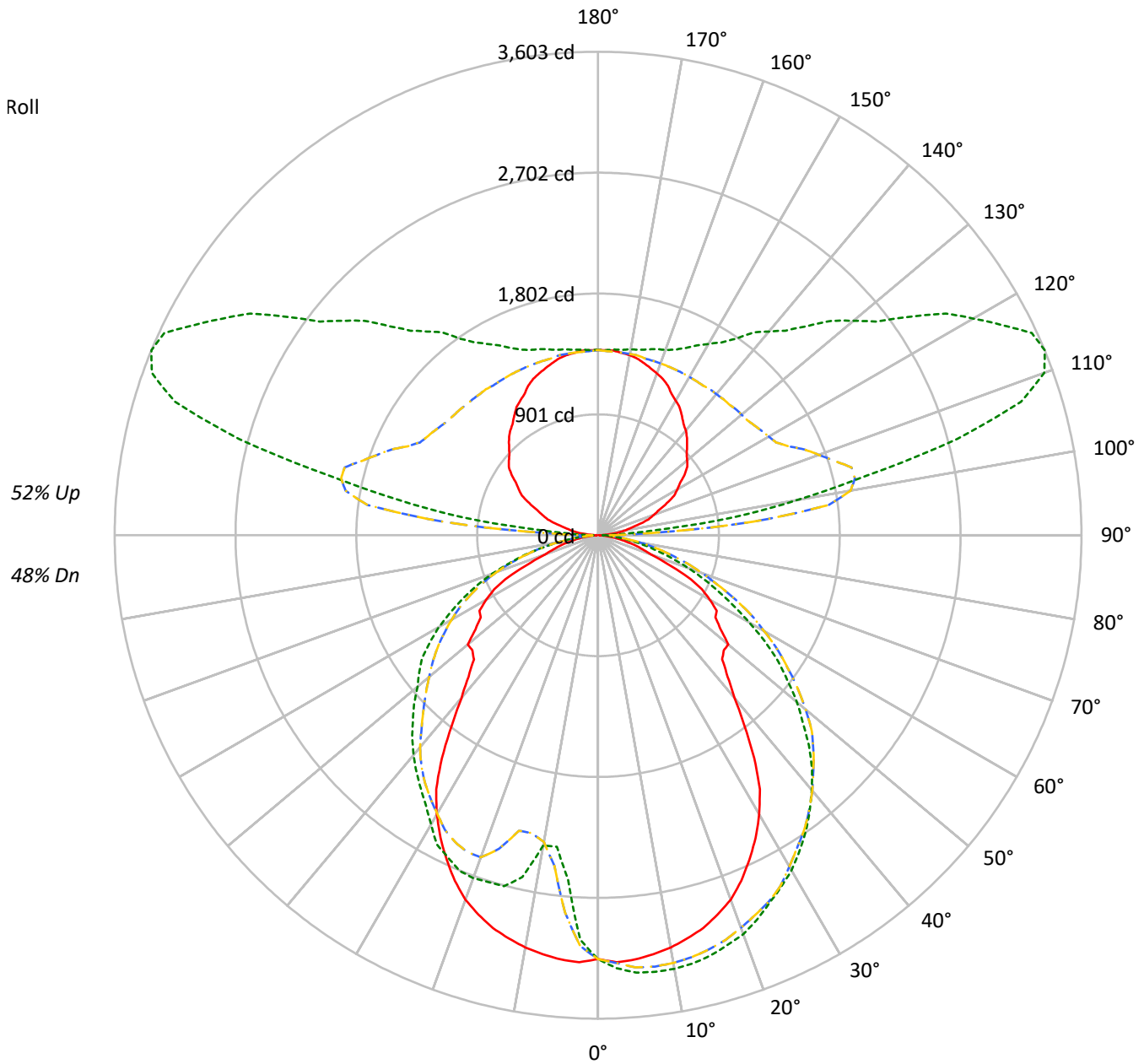
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17141.1 lumens
Efficiency: N/A
Efficacy: 134.8 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: General Diffuse

Input Watts (W): 127.2
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: P934777
CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-12-2700K

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	
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	0
RCR																		
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48
1	97	93	89	86	89	86	82	79	72	70	68	60	58	56	48	47	46	40
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	40	39	34
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	29
4	74	63	55	49	68	58	52	46	49	44	40	41	37	34	33	31	28	25
5	68	56	48	42	62	52	45	40	44	39	34	37	33	29	30	27	25	21
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19
7	58	45	38	32	53	42	35	30	36	30	26	30	26	23	25	22	19	17
8	54	41	33	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9769	9769	9769	9769
5°	9846	9862	9846	7754
10°	9784	9714	9784	6945
15°	9681	9504	9681	7936
20°	9482	9254	9482	7952
25°	9072	8891	9072	7784
30°	8539	8589	8539	7414
35°	7617	8207	7617	7007
40°	6350	7757	6350	6700
45°	5677	7231	5677	6347
50°	6036	6603	6036	5992
55°	5685	5927	5685	5787
60°	5867	5034	5867	5300
65°	5328	4161	5328	4652
70°	3698	3316	3698	3899
75°	3256	2451	3256	2935
80°	2643	1621	2643	1765
85°	1549	858	1549	730

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8696 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.1	1.7
10°-20°	809.5	4.7
20°-30°	1251.3	7.3
30°-40°	1493.8	8.7
40°-50°	1502.5	8.8
50°-60°	1307.4	7.6
60°-70°	926.9	5.4
70°-80°	490.4	2.9
80°-90°	127.4	0.7
90°-100°	672.7	3.9
100°-110°	1768.7	10.3
110°-120°	1833.9	10.7
120°-130°	1471.0	8.6
130°-140°	1154.2	6.7
140°-150°	885.9	5.2
150°-160°	638.0	3.7
160°-170°	390.4	2.3
170°-180°	131.9	0.8
0°-30°	2345.9	13.7
0°-40°	3839.7	22.4
0°-60°	6649.5	38.8
0°-90°	8194.3	47.8
90°-120°	4275.3	24.9
90°-150°	7786.5	45.4
90°-180°	8947.0	52.2
0°-180°	17141.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3158	3158	3158	3158	3158	
5°	3173	3272	3173	2573	3173	301
15°	3030	3242	3030	2707	3030	853
25°	2668	3024	2668	2648	2668	1225
35°	2029	2698	2029	2304	2029	1255
45°	1309	2223	1309	1951	1309	1048
55°	1067	1640	1067	1602	1067	980
65°	741	989	741	1106	741	708
75°	281	469	281	562	281	295
85°	48	120	48	102	48	65
90°	9	35	9	35	9	10
95°	89	407	89	407	89	99
105°	319	2770	319	2770	319	338
115°	566	3566	566	3566	566	559
125°	787	2840	787	2840	787	699
135°	938	2204	938	2204	938	726
145°	1088	1788	1088	1788	1088	682
155°	1230	1539	1230	1539	1230	565
165°	1327	1434	1327	1434	1327	375
175°	1380	1389	1380	1389	1380	131
180°	1380	1380	1380	1380	1380	



TEST NUMBER: P934777

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4
2.5°	3185.3	3185.3	3203.2	3209.2	3209.2	3200.2	3191.3	3200.2	3227.1	3236.1	3233.1
5°	3173.4	3197.3	3230.1	3236.1	3242.1	3239.1	3233.1	3239.1	3269.0	3274.9	3277.9
7.5°	3149.5	3194.3	3236.1	3245.1	3254.0	3245.1	3242.1	3248.1	3277.9	3283.9	3283.9
10°	3119.6	3182.3	3230.1	3236.1	3245.1	3236.1	3236.1	3248.1	3277.9	3283.9	3286.9
12.5°	3077.7	3164.4	3209.2	3215.2	3227.1	3224.2	3221.2	3233.1	3263.0	3269.0	3269.0
15°	3029.9	3131.5	3173.4	3179.3	3200.2	3194.3	3194.3	3206.2	3239.1	3248.1	3245.1
17.5°	2964.2	3089.7	3137.5	3146.5	3161.4	3158.4	3161.4	3173.4	3203.2	3209.2	3212.2
20°	2889.5	3032.9	3089.7	3098.7	3113.6	3113.6	3113.6	3128.5	3158.4	3170.4	3170.4
22.5°	2787.9	2973.2	3032.9	3038.9	3056.8	3056.8	3062.8	3083.7	3110.6	3113.6	3113.6
25°	2668.4	2907.4	2958.2	2976.1	2994.1	3003.0	3012.0	3024.0	3032.9	3029.9	3032.9
27.5°	2542.8	2823.8	2889.5	2901.4	2925.4	2934.3	2946.3	2949.3	2952.2	2961.2	2955.2
30°	2402.4	2707.2	2805.8	2817.8	2856.6	2862.6	2850.7	2856.6	2871.6	2877.5	2883.5
32.5°	2244.0	2533.8	2719.2	2746.1	2781.9	2764.0	2761.0	2770.0	2793.9	2793.9	2799.9
35°	2028.9	2399.4	2638.5	2662.4	2689.3	2668.4	2680.3	2683.3	2698.3	2707.2	2704.2
37.5°	1792.8	2282.8	2554.7	2572.7	2593.6	2566.7	2584.6	2593.6	2605.5	2599.6	2599.6
40°	1583.6	2100.6	2456.1	2468.1	2486.0	2465.1	2483.0	2489.0	2495.0	2489.0	2486.0
42.5°	1428.3	1900.4	2351.6	2366.5	2354.5	2369.5	2375.5	2387.4	2378.4	2366.5	2366.5
45°	1308.7	1846.6	2238.0	2255.9	2238.0	2261.9	2270.9	2270.9	2244.0	2238.0	2235.0
47.5°	1269.9	1739.0	2124.5	2124.5	2115.5	2145.4	2160.3	2139.4	2112.5	2103.6	2103.6
50°	1266.9	1619.5	1969.1	1957.1	1999.0	2034.8	2019.9	1999.0	1978.1	1945.2	1945.2
52.5°	1150.4	1473.1	1768.9	1813.7	1879.5	1900.4	1876.5	1855.5	1819.7	1804.8	1792.8
55°	1066.7	1320.7	1586.6	1676.3	1745.0	1771.9	1727.1	1706.1	1652.4	1643.4	1637.4
57.5°	1048.8	1099.6	1419.3	1532.8	1616.5	1613.5	1586.6	1547.8	1503.0	1494.0	1491.0
60°	962.1	794.8	1240.0	1374.5	1461.1	1452.2	1428.3	1392.4	1350.6	1344.6	1338.6
62.5°	872.5	576.7	1036.8	1189.2	1311.7	1308.7	1287.8	1234.0	1204.2	1189.2	1177.3
65°	741.0	484.1	738.0	989.0	1165.3	1171.3	1126.5	1087.6	1054.8	1036.8	1033.8
67.5°	564.7	394.4	499.0	824.7	1024.9	1018.9	962.1	944.2	902.4	893.4	875.5
70°	418.3	262.9	346.6	669.3	887.4	872.5	827.7	806.8	767.9	747.0	735.0
72.5°	346.6	212.1	254.0	519.9	747.0	729.1	690.2	666.3	633.5	615.5	603.6
75°	280.9	224.1	194.2	385.5	606.6	594.6	558.8	534.9	508.0	484.1	487.0
77.5°	206.2	209.2	155.4	283.9	481.1	463.1	442.2	412.3	400.4	376.5	376.5
80°	155.4	164.3	116.5	194.2	346.6	346.6	328.7	307.8	286.8	274.9	274.9
82.5°	104.6	104.6	86.7	122.5	236.1	227.1	215.1	209.2	197.2	191.2	191.2
85°	47.8	59.8	53.8	74.7	128.5	134.5	134.5	128.5	125.5	119.5	122.5
87.5°	14.9	26.9	32.9	41.8	65.7	68.7	71.7	71.7	71.7	74.7	74.7
90°	9.3	16.6	24.0	25.9	40.7	60.6	70.4	62.5	46.9	35.2	35.2
92.5°	37.1	100.0	163.0	178.8	251.3	348.0	396.4	347.4	249.5	176.0	169.0
95°	88.9	204.2	319.5	348.3	618.4	978.7	1158.7	1034.0	784.5	597.4	576.2
97.5°	153.8	255.5	357.2	382.6	833.1	1433.6	1733.9	1655.1	1497.4	1379.2	1338.8
100°	203.8	296.0	388.2	411.2	911.1	1577.6	1910.8	1916.6	1928.2	1936.8	1888.7
102.5°	246.4	332.5	418.4	439.9	946.9	1622.9	1960.9	2061.3	2262.2	2412.9	2371.8
105°	318.6	391.5	464.3	482.6	973.5	1628.1	1955.3	2180.5	2630.9	2968.7	2946.6
107.5°	392.7	460.6	528.6	545.6	978.5	1555.7	1844.2	2158.3	2786.5	3257.6	3263.0
110°	442.7	504.1	565.4	580.8	971.0	1491.4	1751.6	2102.8	2805.0	3331.7	3354.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	491.8	550.3	608.8	623.4	971.4	1435.3	1667.3	2026.7	2745.5	3284.5	3319.9
115°	565.9	619.8	673.8	687.2	980.3	1371.0	1566.3	1912.5	2604.9	3124.3	3173.4
117.5°	639.1	688.1	737.0	749.3	998.5	1330.7	1496.8	1809.2	2434.1	2902.8	2957.3
120°	681.8	727.9	773.9	785.4	1013.3	1317.1	1469.0	1754.5	2325.5	2753.7	2806.6
122.5°	723.4	769.9	816.4	828.1	1034.6	1310.0	1447.7	1704.8	2219.0	2604.6	2656.8
125°	787.3	829.8	872.2	882.8	1063.3	1304.2	1424.6	1643.0	2079.7	2407.3	2455.4
127.5°	839.2	882.1	924.9	935.5	1092.1	1300.8	1405.2	1592.7	1967.7	2249.0	2289.5
130°	867.0	913.1	959.1	970.7	1113.0	1302.8	1397.7	1564.6	1898.5	2148.9	2186.3
132.5°	895.7	941.8	987.8	999.4	1130.0	1304.2	1391.2	1540.6	1839.5	2063.7	2097.3
135°	938.3	980.3	1022.3	1032.8	1148.6	1303.0	1380.2	1505.3	1755.5	1943.3	1972.2
137.5°	981.9	1023.4	1065.0	1075.4	1176.4	1310.9	1378.3	1484.0	1695.7	1854.4	1878.1
140°	1017.9	1056.2	1094.5	1104.1	1193.3	1312.3	1371.8	1463.2	1646.0	1783.0	1805.2
142.5°	1045.7	1081.2	1116.5	1125.4	1207.6	1317.0	1371.8	1452.1	1612.6	1733.0	1752.1
145°	1088.3	1119.2	1150.1	1157.8	1226.1	1317.0	1362.5	1428.2	1559.5	1658.0	1672.5
147.5°	1131.0	1161.0	1191.1	1198.6	1253.3	1326.1	1362.5	1414.2	1517.5	1595.0	1606.9
150°	1158.7	1185.9	1213.1	1219.9	1267.4	1330.9	1362.5	1406.2	1493.4	1558.8	1568.5
152.5°	1187.4	1208.0	1228.6	1233.7	1276.7	1333.9	1362.5	1399.8	1474.3	1530.2	1537.4
155°	1230.1	1245.3	1260.5	1264.3	1297.1	1340.7	1362.5	1392.2	1451.5	1495.9	1500.8
157.5°	1261.5	1276.4	1291.2	1294.9	1317.4	1347.5	1362.5	1385.5	1431.7	1466.2	1469.6
160°	1282.8	1294.4	1306.0	1308.8	1326.8	1350.6	1362.5	1382.2	1421.8	1451.5	1453.5
162.5°	1304.2	1312.8	1321.4	1323.6	1336.5	1353.9	1362.5	1379.2	1412.5	1437.5	1439.4
165°	1327.4	1335.1	1342.9	1344.9	1350.8	1358.6	1362.5	1374.5	1398.3	1416.2	1418.2
167.5°	1348.6	1352.3	1356.1	1357.0	1361.9	1368.5	1371.8	1379.6	1395.2	1406.9	1407.7
170°	1362.5	1366.2	1370.0	1370.9	1371.2	1371.6	1371.8	1379.6	1395.2	1406.9	1406.9
172.5°	1369.9	1370.7	1371.6	1371.8	1371.8	1371.8	1371.8	1378.0	1390.3	1399.6	1398.9
175°	1380.2	1380.2	1380.2	1380.2	1377.4	1373.7	1371.8	1375.7	1383.5	1389.4	1389.4
177.5°	1380.2	1380.2	1380.2	1380.2	1378.0	1375.1	1373.7	1376.8	1382.9	1387.5	1386.7
180°	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4
2.5°	3239.1	3230.1	3239.1	3233.1	3236.1	3227.1	3200.2	3191.3	3200.2	3209.2	3209.2
5°	3277.9	3272.0	3277.9	3277.9	3274.9	3269.0	3239.1	3233.1	3239.1	3242.1	3236.1
7.5°	3289.9	3280.9	3289.9	3283.9	3283.9	3277.9	3248.1	3242.1	3245.1	3254.0	3245.1
10°	3289.9	3280.9	3289.9	3286.9	3283.9	3277.9	3248.1	3236.1	3236.1	3245.1	3236.1
12.5°	3274.9	3269.0	3274.9	3269.0	3269.0	3263.0	3233.1	3221.2	3224.2	3227.1	3215.2
15°	3251.0	3242.1	3251.0	3245.1	3248.1	3239.1	3206.2	3194.3	3194.3	3200.2	3179.3
17.5°	3215.2	3203.2	3215.2	3212.2	3209.2	3203.2	3173.4	3161.4	3158.4	3161.4	3146.5
20°	3173.4	3164.4	3173.4	3170.4	3170.4	3158.4	3128.5	3113.6	3113.6	3113.6	3098.7
22.5°	3107.6	3098.7	3107.6	3113.6	3113.6	3110.6	3083.7	3062.8	3056.8	3056.8	3038.9
25°	3032.9	3024.0	3032.9	3032.9	3029.9	3032.9	3024.0	3012.0	3003.0	2994.1	2976.1
27.5°	2961.2	2955.2	2961.2	2955.2	2961.2	2952.2	2949.3	2946.3	2934.3	2925.4	2901.4
30°	2889.5	2883.5	2889.5	2883.5	2877.5	2871.6	2856.6	2850.7	2862.6	2856.6	2817.8
32.5°	2799.9	2793.9	2799.9	2799.9	2793.9	2793.9	2770.0	2761.0	2764.0	2781.9	2746.1
35°	2707.2	2698.3	2707.2	2704.2	2707.2	2698.3	2683.3	2680.3	2668.4	2689.3	2662.4
37.5°	2599.6	2590.6	2599.6	2599.6	2599.6	2605.5	2593.6	2584.6	2566.7	2593.6	2572.7
40°	2489.0	2477.1	2489.0	2486.0	2489.0	2495.0	2489.0	2483.0	2465.1	2486.0	2468.1
42.5°	2363.5	2360.5	2363.5	2366.5	2366.5	2378.4	2387.4	2375.5	2369.5	2354.5	2366.5
45°	2229.0	2223.1	2229.0	2235.0	2238.0	2244.0	2270.9	2270.9	2261.9	2238.0	2255.9
47.5°	2085.6	2070.7	2085.6	2103.6	2103.6	2112.5	2139.4	2160.3	2145.4	2115.5	2124.5
50°	1933.2	1936.2	1933.2	1945.2	1945.2	1978.1	1999.0	2019.9	2034.8	1999.0	1957.1
52.5°	1783.8	1780.8	1783.8	1792.8	1804.8	1819.7	1855.5	1876.5	1900.4	1879.5	1813.7
55°	1634.4	1640.4	1634.4	1637.4	1643.4	1652.4	1706.1	1727.1	1771.9	1745.0	1676.3
57.5°	1485.0	1476.1	1485.0	1491.0	1494.0	1503.0	1547.8	1586.6	1613.5	1616.5	1532.8
60°	1311.7	1299.8	1311.7	1338.6	1344.6	1350.6	1392.4	1428.3	1452.2	1461.1	1374.5
62.5°	1159.3	1138.4	1159.3	1177.3	1189.2	1204.2	1234.0	1287.8	1308.7	1311.7	1189.2
65°	998.0	989.0	998.0	1033.8	1036.8	1054.8	1087.6	1126.5	1171.3	1165.3	989.0
67.5°	851.6	851.6	851.6	875.5	893.4	902.4	944.2	962.1	1018.9	1024.9	824.7
70°	717.1	714.1	717.1	735.0	747.0	767.9	806.8	827.7	872.5	887.4	669.3
72.5°	588.6	585.6	588.6	603.6	615.5	633.5	666.3	690.2	729.1	747.0	519.9
75°	475.1	469.1	475.1	487.0	484.1	508.0	534.9	558.8	594.6	606.6	385.5
77.5°	364.5	364.5	364.5	376.5	376.5	400.4	412.3	442.2	463.1	481.1	283.9
80°	271.9	268.9	271.9	274.9	274.9	286.8	307.8	328.7	346.6	346.6	194.2
82.5°	191.2	185.3	191.2	191.2	191.2	197.2	209.2	215.1	227.1	236.1	122.5
85°	119.5	119.5	119.5	122.5	119.5	125.5	128.5	134.5	134.5	128.5	74.7
87.5°	77.7	74.7	77.7	74.7	74.7	71.7	71.7	71.7	68.7	65.7	41.8
90°	35.2	35.2	35.2	35.2	35.2	46.9	62.5	70.4	60.6	40.7	25.9
92.5°	141.0	113.0	141.0	169.0	176.0	249.5	347.4	396.4	348.0	251.3	178.8
95°	491.4	406.7	491.4	576.2	597.4	784.5	1034.0	1158.7	978.7	618.4	348.3
97.5°	1177.5	1016.1	1177.5	1338.8	1379.2	1497.4	1655.1	1733.9	1433.6	833.1	382.6
100°	1696.5	1504.3	1696.5	1888.7	1936.8	1928.2	1916.6	1910.8	1577.6	911.1	411.2
102.5°	2207.0	2042.4	2207.0	2371.8	2412.9	2262.2	2061.3	1960.9	1622.9	946.9	439.9
105°	2858.0	2769.5	2858.0	2946.6	2968.7	2630.9	2180.5	1955.3	1628.1	973.5	482.6
107.5°	3284.4	3305.8	3284.4	3263.0	3257.6	2786.5	2158.3	1844.2	1555.7	978.5	545.6
110°	3447.0	3539.2	3447.0	3354.7	3331.7	2805.0	2102.8	1751.6	1491.4	971.0	580.8



TEST NUMBER: P934777

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3461.5	3603.1	3461.5	3319.9	3284.5	2745.5	2026.7	1667.3	1435.3	971.4	623.4
115°	3369.7	3566.1	3369.7	3173.4	3124.3	2604.9	1912.5	1566.3	1371.0	980.3	687.2
117.5°	3175.0	3392.9	3175.0	2957.3	2902.8	2434.1	1809.2	1496.8	1330.7	998.5	749.3
120°	3018.3	3229.8	3018.3	2806.6	2753.7	2325.5	1754.5	1469.0	1317.1	1013.3	785.4
122.5°	2865.5	3074.3	2865.5	2656.8	2604.6	2219.0	1704.8	1447.7	1310.0	1034.6	828.1
125°	2647.7	2839.9	2647.7	2455.4	2407.3	2079.7	1643.0	1424.6	1304.2	1063.3	882.8
127.5°	2451.8	2613.9	2451.8	2289.5	2249.0	1967.7	1592.7	1405.2	1300.8	1092.1	935.5
130°	2336.2	2486.1	2336.2	2186.3	2148.9	1898.5	1564.6	1397.7	1302.8	1113.0	970.7
132.5°	2231.4	2365.7	2231.4	2097.3	2063.7	1839.5	1540.6	1391.2	1304.2	1130.0	999.4
135°	2087.9	2203.6	2087.9	1972.2	1943.3	1755.5	1505.3	1380.2	1303.0	1148.6	1032.8
137.5°	1972.7	2067.4	1972.7	1878.1	1854.4	1695.7	1484.0	1378.3	1310.9	1176.4	1075.4
140°	1893.7	1982.1	1893.7	1805.2	1783.0	1646.0	1463.2	1371.8	1312.3	1193.3	1104.1
142.5°	1828.3	1904.4	1828.3	1752.1	1733.0	1612.6	1452.1	1371.8	1317.0	1207.6	1125.4
145°	1730.1	1787.6	1730.1	1672.5	1658.0	1559.5	1428.2	1362.5	1317.0	1226.1	1157.8
147.5°	1654.7	1702.5	1654.7	1606.9	1595.0	1517.5	1414.2	1362.5	1326.1	1253.3	1198.6
150°	1607.2	1646.0	1607.2	1568.5	1558.8	1493.4	1406.2	1362.5	1330.9	1267.4	1219.9
152.5°	1566.7	1595.9	1566.7	1537.4	1530.2	1474.3	1399.8	1362.5	1333.9	1276.7	1233.7
155°	1520.1	1539.4	1520.1	1500.8	1495.9	1451.5	1392.2	1362.5	1340.7	1297.1	1264.3
157.5°	1483.2	1496.8	1483.2	1469.6	1466.2	1431.7	1385.5	1362.5	1347.5	1317.4	1294.9
160°	1461.2	1469.0	1461.2	1453.5	1451.5	1421.8	1382.2	1362.5	1350.6	1326.8	1308.8
162.5°	1446.8	1454.3	1446.8	1439.4	1437.5	1412.5	1379.2	1362.5	1353.9	1336.5	1323.6
165°	1426.0	1433.8	1426.0	1418.2	1416.2	1398.3	1374.5	1362.5	1358.6	1350.8	1344.9
167.5°	1411.1	1414.4	1411.1	1407.7	1406.9	1395.2	1379.6	1371.8	1368.5	1361.9	1357.0
170°	1406.9	1406.9	1406.9	1406.9	1406.9	1395.2	1379.6	1371.8	1371.6	1371.2	1370.9
172.5°	1396.0	1393.1	1396.0	1398.9	1399.6	1390.3	1378.0	1371.8	1371.8	1371.8	1371.8
175°	1389.4	1389.4	1389.4	1389.4	1389.4	1383.5	1375.7	1371.8	1373.7	1377.4	1380.2
177.5°	1383.4	1380.2	1383.4	1386.7	1387.5	1382.9	1376.8	1373.7	1375.1	1378.0	1380.2
180°	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2



TEST NUMBER: P934777

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4
2.5°	3203.2	3185.3	3185.3	3155.4	3143.5	3134.5	3119.6	3074.8	3062.8	3050.8	3068.8
5°	3230.1	3197.3	3173.4	3119.6	3074.8	3056.8	3000.1	2892.5	2820.8	2767.0	2737.1
7.5°	3236.1	3194.3	3149.5	3065.8	2958.2	2910.4	2737.1	2539.8	2486.0	2438.2	2408.3
10°	3230.1	3182.3	3119.6	2994.1	2740.1	2656.4	2483.0	2354.5	2321.7	2312.7	2321.7
12.5°	3209.2	3164.4	3077.7	2868.6	2512.9	2456.1	2354.5	2279.8	2273.9	2288.8	2369.5
15°	3173.4	3131.5	3029.9	2701.3	2387.4	2345.6	2273.9	2247.0	2279.8	2384.4	2626.5
17.5°	3137.5	3089.7	2964.2	2536.8	2291.8	2261.9	2211.1	2264.9	2450.2	2590.6	2671.4
20°	3089.7	3032.9	2889.5	2417.3	2223.1	2196.2	2172.3	2414.3	2554.7	2605.5	2650.5
22.5°	3032.9	2973.2	2787.9	2333.6	2151.4	2130.4	2145.4	2498.0	2554.7	2590.6	2629.4
25°	2958.2	2907.4	2668.4	2267.9	2094.6	2070.7	2127.5	2489.0	2521.9	2530.8	2608.5
27.5°	2889.5	2823.8	2542.8	2208.1	2025.9	2016.9	2142.4	2450.2	2474.1	2483.0	2566.7
30°	2805.8	2707.2	2402.4	2145.4	1954.2	1951.2	2145.4	2402.4	2396.4	2420.3	2503.9
32.5°	2719.2	2533.8	2244.0	2067.7	1885.4	1882.4	2124.5	2330.6	2324.7	2357.5	2420.3
35°	2638.5	2399.4	2028.9	1978.1	1798.8	1801.8	2073.7	2247.0	2250.0	2279.8	2318.7
37.5°	2554.7	2282.8	1792.8	1879.5	1715.1	1715.1	2004.9	2169.3	2163.3	2172.3	2226.1
40°	2456.1	2100.6	1583.6	1751.0	1637.4	1628.5	1921.3	2085.6	2064.7	2061.7	2136.4
42.5°	2351.6	1900.4	1428.3	1580.7	1547.8	1535.8	1819.7	1984.0	1945.2	1954.2	2049.8
45°	2238.0	1846.6	1308.7	1335.6	1455.2	1446.2	1709.1	1867.5	1840.6	1864.5	1963.1
47.5°	2124.5	1739.0	1269.9	1108.5	1356.6	1353.6	1586.6	1754.0	1739.0	1762.9	1867.5
50°	1969.1	1619.5	1266.9	950.2	1246.0	1257.9	1440.2	1643.4	1643.4	1664.3	1774.9
52.5°	1768.9	1473.1	1150.4	860.5	1117.5	1153.4	1311.7	1547.8	1553.8	1574.7	1673.3
55°	1586.6	1320.7	1066.7	791.8	965.1	1042.8	1186.2	1449.2	1461.1	1482.0	1571.7
57.5°	1419.3	1099.6	1048.8	711.1	824.7	899.4	1075.7	1353.6	1359.5	1377.5	1464.1
60°	1240.0	794.8	962.1	624.5	702.2	759.0	974.1	1240.0	1260.9	1272.9	1347.6
62.5°	1036.8	576.7	872.5	564.7	642.4	654.4	890.4	1132.5	1159.3	1168.3	1213.1
65°	738.0	484.1	741.0	513.9	579.7	582.7	800.8	1021.9	1045.8	1060.7	1093.6
67.5°	499.0	394.4	564.7	466.1	531.9	534.9	714.1	893.4	926.3	938.2	959.1
70°	346.6	262.9	418.3	415.3	478.1	484.1	621.5	776.9	806.8	815.7	827.7
72.5°	254.0	212.1	346.6	373.5	421.3	427.3	525.9	645.4	675.3	684.3	690.2
75°	194.2	224.1	280.9	325.7	358.6	361.5	430.3	525.9	546.8	552.8	555.8
77.5°	155.4	209.2	206.2	262.9	292.8	286.8	337.6	406.4	424.3	424.3	424.3
80°	116.5	164.3	155.4	188.2	215.1	209.2	242.0	289.8	295.8	301.8	298.8
82.5°	86.7	104.6	104.6	119.5	143.4	137.4	161.4	188.2	188.2	188.2	194.2
85°	53.8	59.8	47.8	62.7	80.7	77.7	89.6	101.6	104.6	104.6	98.6
87.5°	32.9	26.9	14.9	23.9	35.9	35.9	41.8	44.8	41.8	41.8	41.8
90°	24.0	16.6	9.3	16.6	24.0	25.9	40.7	60.6	70.4	62.5	46.9
92.5°	163.0	100.0	37.1	100.0	163.0	178.8	251.3	348.0	396.4	347.4	249.5
95°	319.5	204.2	88.9	204.2	319.5	348.3	618.4	978.7	1158.7	1034.0	784.5
97.5°	357.2	255.5	153.8	255.5	357.2	382.6	833.1	1433.6	1733.9	1655.1	1497.4
100°	388.2	296.0	203.8	296.0	388.2	411.2	911.1	1577.6	1910.8	1916.6	1928.2
102.5°	418.4	332.5	246.4	332.5	418.4	439.9	946.9	1622.9	1960.9	2061.3	2262.2
105°	464.3	391.5	318.6	391.5	464.3	482.6	973.5	1628.1	1955.3	2180.5	2630.9
107.5°	528.6	460.6	392.7	460.6	528.6	545.6	978.5	1555.7	1844.2	2158.3	2786.5
110°	565.4	504.1	442.7	504.1	565.4	580.8	971.0	1491.4	1751.6	2102.8	2805.0



TEST NUMBER: P934777

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	608.8	550.3	491.8	550.3	608.8	623.4	971.4	1435.3	1667.3	2026.7	2745.5
115°	673.8	619.8	565.9	619.8	673.8	687.2	980.3	1371.0	1566.3	1912.5	2604.9
117.5°	737.0	688.1	639.1	688.1	737.0	749.3	998.5	1330.7	1496.8	1809.2	2434.1
120°	773.9	727.9	681.8	727.9	773.9	785.4	1013.3	1317.1	1469.0	1754.5	2325.5
122.5°	816.4	769.9	723.4	769.9	816.4	828.1	1034.6	1310.0	1447.7	1704.8	2219.0
125°	872.2	829.8	787.3	829.8	872.2	882.8	1063.3	1304.2	1424.6	1643.0	2079.7
127.5°	924.9	882.1	839.2	882.1	924.9	935.5	1092.1	1300.8	1405.2	1592.7	1967.7
130°	959.1	913.1	867.0	913.1	959.1	970.7	1113.0	1302.8	1397.7	1564.6	1898.5
132.5°	987.8	941.8	895.7	941.8	987.8	999.4	1130.0	1304.2	1391.2	1540.6	1839.5
135°	1022.3	980.3	938.3	980.3	1022.3	1032.8	1148.6	1303.0	1380.2	1505.3	1755.5
137.5°	1065.0	1023.4	981.9	1023.4	1065.0	1075.4	1176.4	1310.9	1378.3	1484.0	1695.7
140°	1094.5	1056.2	1017.9	1056.2	1094.5	1104.1	1193.3	1312.3	1371.8	1463.2	1646.0
142.5°	1116.5	1081.2	1045.7	1081.2	1116.5	1125.4	1207.6	1317.0	1371.8	1452.1	1612.6
145°	1150.1	1119.2	1088.3	1119.2	1150.1	1157.8	1226.1	1317.0	1362.5	1428.2	1559.5
147.5°	1191.1	1161.0	1131.0	1161.0	1191.1	1198.6	1253.3	1326.1	1362.5	1414.2	1517.5
150°	1213.1	1185.9	1158.7	1185.9	1213.1	1219.9	1267.4	1330.9	1362.5	1406.2	1493.4
152.5°	1228.6	1208.0	1187.4	1208.0	1228.6	1233.7	1276.7	1333.9	1362.5	1399.8	1474.3
155°	1260.5	1245.3	1230.1	1245.3	1260.5	1264.3	1297.1	1340.7	1362.5	1392.2	1451.5
157.5°	1291.2	1276.4	1261.5	1276.4	1291.2	1294.9	1317.4	1347.5	1362.5	1385.5	1431.7
160°	1306.0	1294.4	1282.8	1294.4	1306.0	1308.8	1326.8	1350.6	1362.5	1382.2	1421.8
162.5°	1321.4	1312.8	1304.2	1312.8	1321.4	1323.6	1336.5	1353.9	1362.5	1379.2	1412.5
165°	1342.9	1335.1	1327.4	1335.1	1342.9	1344.9	1350.8	1358.6	1362.5	1374.5	1398.3
167.5°	1356.1	1352.3	1348.6	1352.3	1356.1	1357.0	1361.9	1368.5	1371.8	1379.6	1395.2
170°	1370.0	1366.2	1362.5	1366.2	1370.0	1370.9	1371.2	1371.6	1371.8	1379.6	1395.2
172.5°	1371.6	1370.7	1369.9	1370.7	1371.6	1371.8	1371.8	1371.8	1371.8	1378.0	1390.3
175°	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1377.4	1373.7	1371.8	1375.7	1383.5
177.5°	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1378.0	1375.1	1373.7	1376.8	1382.9
180°	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2



TEST NUMBER: P934777

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4
2.5°	3047.9	3038.9	3050.8	3018.0	3050.8	3038.9	3047.9	3068.8	3050.8	3062.8	3074.8
5°	2674.4	2659.4	2611.5	2572.7	2611.5	2659.4	2674.4	2737.1	2767.0	2820.8	2892.5
7.5°	2390.4	2378.4	2366.5	2342.6	2366.5	2378.4	2390.4	2408.3	2438.2	2486.0	2539.8
10°	2327.7	2330.6	2348.6	2345.6	2348.6	2330.6	2327.7	2321.7	2312.7	2321.7	2354.5
12.5°	2489.0	2515.9	2614.5	2608.5	2614.5	2515.9	2489.0	2369.5	2288.8	2273.9	2279.8
15°	2674.4	2683.3	2704.2	2707.2	2704.2	2683.3	2674.4	2626.5	2384.4	2279.8	2247.0
17.5°	2692.3	2695.3	2710.2	2710.2	2710.2	2695.3	2692.3	2671.4	2590.6	2450.2	2264.9
20°	2677.3	2683.3	2713.2	2719.2	2713.2	2683.3	2677.3	2650.5	2605.5	2554.7	2414.3
22.5°	2671.4	2683.3	2707.2	2704.2	2707.2	2683.3	2671.4	2629.4	2590.6	2554.7	2498.0
25°	2641.5	2641.5	2644.5	2647.5	2644.5	2641.5	2641.5	2608.5	2530.8	2521.9	2489.0
27.5°	2578.6	2584.6	2602.5	2599.6	2602.5	2584.6	2578.6	2566.7	2483.0	2474.1	2450.2
30°	2521.9	2515.9	2501.0	2489.0	2501.0	2515.9	2521.9	2503.9	2420.3	2396.4	2402.4
32.5°	2426.3	2411.3	2396.4	2387.4	2396.4	2411.3	2426.3	2420.3	2357.5	2324.7	2330.6
35°	2312.7	2315.7	2312.7	2303.7	2312.7	2315.7	2312.7	2318.7	2279.8	2250.0	2247.0
37.5°	2232.0	2238.0	2235.0	2223.1	2235.0	2238.0	2232.0	2226.1	2172.3	2163.3	2169.3
40°	2148.4	2151.4	2148.4	2139.4	2148.4	2151.4	2148.4	2136.4	2061.7	2064.7	2085.6
42.5°	2067.7	2064.7	2055.7	2049.8	2055.7	2064.7	2067.7	2049.8	1954.2	1945.2	1984.0
45°	1975.1	1978.1	1960.1	1951.2	1960.1	1978.1	1975.1	1963.1	1864.5	1840.6	1867.5
47.5°	1882.4	1882.4	1867.5	1858.5	1867.5	1882.4	1882.4	1867.5	1762.9	1739.0	1754.0
50°	1783.8	1780.8	1759.9	1756.9	1759.9	1780.8	1783.8	1774.9	1664.3	1643.4	1643.4
52.5°	1670.3	1670.3	1673.3	1679.3	1673.3	1670.3	1670.3	1673.3	1574.7	1553.8	1547.8
55°	1571.7	1574.7	1595.6	1601.6	1595.6	1574.7	1571.7	1571.7	1482.0	1461.1	1449.2
57.5°	1470.1	1470.1	1485.0	1485.0	1485.0	1470.1	1470.1	1464.1	1377.5	1359.5	1353.6
60°	1353.6	1359.5	1371.5	1368.5	1371.5	1359.5	1353.6	1347.6	1272.9	1260.9	1240.0
62.5°	1231.1	1237.0	1240.0	1234.0	1240.0	1237.0	1231.1	1213.1	1168.3	1159.3	1132.5
65°	1102.6	1108.5	1111.5	1105.6	1111.5	1108.5	1102.6	1093.6	1060.7	1045.8	1021.9
67.5°	971.1	968.1	965.1	977.1	965.1	968.1	971.1	959.1	938.2	926.3	893.4
70°	836.6	836.6	833.7	839.6	833.7	836.6	836.6	827.7	815.7	806.8	776.9
72.5°	693.2	690.2	702.2	693.2	702.2	690.2	693.2	690.2	684.3	675.3	645.4
75°	552.8	558.8	552.8	561.7	552.8	558.8	552.8	555.8	552.8	546.8	525.9
77.5°	421.3	427.3	421.3	421.3	421.3	427.3	421.3	424.3	424.3	424.3	406.4
80°	298.8	295.8	295.8	292.8	295.8	295.8	298.8	298.8	301.8	295.8	289.8
82.5°	191.2	188.2	188.2	194.2	188.2	188.2	191.2	194.2	188.2	188.2	188.2
85°	104.6	107.6	101.6	101.6	101.6	107.6	104.6	98.6	104.6	104.6	101.6
87.5°	38.8	35.9	35.9	35.9	35.9	35.9	38.8	41.8	41.8	41.8	44.8
90°	35.2	35.2	35.2	35.2	35.2	35.2	35.2	46.9	62.5	70.4	60.6
92.5°	176.0	169.0	141.0	113.0	141.0	169.0	176.0	249.5	347.4	396.4	348.0
95°	597.4	576.2	491.4	406.7	491.4	576.2	597.4	784.5	1034.0	1158.7	978.7
97.5°	1379.2	1338.8	1177.5	1016.1	1177.5	1338.8	1379.2	1497.4	1655.1	1733.9	1433.6
100°	1936.8	1888.7	1696.5	1504.3	1696.5	1888.7	1936.8	1928.2	1916.6	1910.8	1577.6
102.5°	2412.9	2371.8	2207.0	2042.4	2207.0	2371.8	2412.9	2262.2	2061.3	1960.9	1622.9
105°	2968.7	2946.6	2858.0	2769.5	2858.0	2946.6	2968.7	2630.9	2180.5	1955.3	1628.1
107.5°	3257.6	3263.0	3284.4	3305.8	3284.4	3263.0	3257.6	2786.5	2158.3	1844.2	1555.7
110°	3331.7	3354.7	3447.0	3539.2	3447.0	3354.7	3331.7	2805.0	2102.8	1751.6	1491.4



TEST NUMBER: P934777

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3284.5	3319.9	3461.5	3603.1	3461.5	3319.9	3284.5	2745.5	2026.7	1667.3	1435.3
115°	3124.3	3173.4	3369.7	3566.1	3369.7	3173.4	3124.3	2604.9	1912.5	1566.3	1371.0
117.5°	2902.8	2957.3	3175.0	3392.9	3175.0	2957.3	2902.8	2434.1	1809.2	1496.8	1330.7
120°	2753.7	2806.6	3018.3	3229.8	3018.3	2806.6	2753.7	2325.5	1754.5	1469.0	1317.1
122.5°	2604.6	2656.8	2865.5	3074.3	2865.5	2656.8	2604.6	2219.0	1704.8	1447.7	1310.0
125°	2407.3	2455.4	2647.7	2839.9	2647.7	2455.4	2407.3	2079.7	1643.0	1424.6	1304.2
127.5°	2249.0	2289.5	2451.8	2613.9	2451.8	2289.5	2249.0	1967.7	1592.7	1405.2	1300.8
130°	2148.9	2186.3	2336.2	2486.1	2336.2	2186.3	2148.9	1898.5	1564.6	1397.7	1302.8
132.5°	2063.7	2097.3	2231.4	2365.7	2231.4	2097.3	2063.7	1839.5	1540.6	1391.2	1304.2
135°	1943.3	1972.2	2087.9	2203.6	2087.9	1972.2	1943.3	1755.5	1505.3	1380.2	1303.0
137.5°	1854.4	1878.1	1972.7	2067.4	1972.7	1878.1	1854.4	1695.7	1484.0	1378.3	1310.9
140°	1783.0	1805.2	1893.7	1982.1	1893.7	1805.2	1783.0	1646.0	1463.2	1371.8	1312.3
142.5°	1733.0	1752.1	1828.3	1904.4	1828.3	1752.1	1733.0	1612.6	1452.1	1371.8	1317.0
145°	1658.0	1672.5	1730.1	1787.6	1730.1	1672.5	1658.0	1559.5	1428.2	1362.5	1317.0
147.5°	1595.0	1606.9	1654.7	1702.5	1654.7	1606.9	1595.0	1517.5	1414.2	1362.5	1326.1
150°	1558.8	1568.5	1607.2	1646.0	1607.2	1568.5	1558.8	1493.4	1406.2	1362.5	1330.9
152.5°	1530.2	1537.4	1566.7	1595.9	1566.7	1537.4	1530.2	1474.3	1399.8	1362.5	1333.9
155°	1495.9	1500.8	1520.1	1539.4	1520.1	1500.8	1495.9	1451.5	1392.2	1362.5	1340.7
157.5°	1466.2	1469.6	1483.2	1496.8	1483.2	1469.6	1466.2	1431.7	1385.5	1362.5	1347.5
160°	1451.5	1453.5	1461.2	1469.0	1461.2	1453.5	1451.5	1421.8	1382.2	1362.5	1350.6
162.5°	1437.5	1439.4	1446.8	1454.3	1446.8	1439.4	1437.5	1412.5	1379.2	1362.5	1353.9
165°	1416.2	1418.2	1426.0	1433.8	1426.0	1418.2	1416.2	1398.3	1374.5	1362.5	1358.6
167.5°	1406.9	1407.7	1411.1	1414.4	1411.1	1407.7	1406.9	1395.2	1379.6	1371.8	1368.5
170°	1406.9	1406.9	1406.9	1406.9	1406.9	1406.9	1406.9	1395.2	1379.6	1371.8	1371.6
172.5°	1399.6	1398.9	1396.0	1393.1	1396.0	1398.9	1399.6	1390.3	1378.0	1371.8	1371.8
175°	1389.4	1389.4	1389.4	1389.4	1389.4	1389.4	1389.4	1383.5	1375.7	1371.8	1373.7
177.5°	1387.5	1386.7	1383.4	1380.2	1383.4	1386.7	1387.5	1382.9	1376.8	1373.7	1375.1
180°	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2



TEST NUMBER: P934777

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3158.4	3158.4	3158.4	3158.4	3158.4
2.5°	3119.6	3134.5	3143.5	3155.4	3185.3
5°	3000.1	3056.8	3074.8	3119.6	3173.4
7.5°	2737.1	2910.4	2958.2	3065.8	3149.5
10°	2483.0	2656.4	2740.1	2994.1	3119.6
12.5°	2354.5	2456.1	2512.9	2868.6	3077.7
15°	2273.9	2345.6	2387.4	2701.3	3029.9
17.5°	2211.1	2261.9	2291.8	2536.8	2964.2
20°	2172.3	2196.2	2223.1	2417.3	2889.5
22.5°	2145.4	2130.4	2151.4	2333.6	2787.9
25°	2127.5	2070.7	2094.6	2267.9	2668.4
27.5°	2142.4	2016.9	2025.9	2208.1	2542.8
30°	2145.4	1951.2	1954.2	2145.4	2402.4
32.5°	2124.5	1882.4	1885.4	2067.7	2244.0
35°	2073.7	1801.8	1798.8	1978.1	2028.9
37.5°	2004.9	1715.1	1715.1	1879.5	1792.8
40°	1921.3	1628.5	1637.4	1751.0	1583.6
42.5°	1819.7	1535.8	1547.8	1580.7	1428.3
45°	1709.1	1446.2	1455.2	1335.6	1308.7
47.5°	1586.6	1353.6	1356.6	1108.5	1269.9
50°	1440.2	1257.9	1246.0	950.2	1266.9
52.5°	1311.7	1153.4	1117.5	860.5	1150.4
55°	1186.2	1042.8	965.1	791.8	1066.7
57.5°	1075.7	899.4	824.7	711.1	1048.8
60°	974.1	759.0	702.2	624.5	962.1
62.5°	890.4	654.4	642.4	564.7	872.5
65°	800.8	582.7	579.7	513.9	741.0
67.5°	714.1	534.9	531.9	466.1	564.7
70°	621.5	484.1	478.1	415.3	418.3
72.5°	525.9	427.3	421.3	373.5	346.6
75°	430.3	361.5	358.6	325.7	280.9
77.5°	337.6	286.8	292.8	262.9	206.2
80°	242.0	209.2	215.1	188.2	155.4
82.5°	161.4	137.4	143.4	119.5	104.6
85°	89.6	77.7	80.7	62.7	47.8
87.5°	41.8	35.9	35.9	23.9	14.9
90°	40.7	25.9	24.0	16.6	9.3
92.5°	251.3	178.8	163.0	100.0	37.1
95°	618.4	348.3	319.5	204.2	88.9
97.5°	833.1	382.6	357.2	255.5	153.8
100°	911.1	411.2	388.2	296.0	203.8
102.5°	946.9	439.9	418.4	332.5	246.4
105°	973.5	482.6	464.3	391.5	318.6
107.5°	978.5	545.6	528.6	460.6	392.7
110°	971.0	580.8	565.4	504.1	442.7



TEST NUMBER: P934777

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	971.4	623.4	608.8	550.3	491.8
115°	980.3	687.2	673.8	619.8	565.9
117.5°	998.5	749.3	737.0	688.1	639.1
120°	1013.3	785.4	773.9	727.9	681.8
122.5°	1034.6	828.1	816.4	769.9	723.4
125°	1063.3	882.8	872.2	829.8	787.3
127.5°	1092.1	935.5	924.9	882.1	839.2
130°	1113.0	970.7	959.1	913.1	867.0
132.5°	1130.0	999.4	987.8	941.8	895.7
135°	1148.6	1032.8	1022.3	980.3	938.3
137.5°	1176.4	1075.4	1065.0	1023.4	981.9
140°	1193.3	1104.1	1094.5	1056.2	1017.9
142.5°	1207.6	1125.4	1116.5	1081.2	1045.7
145°	1226.1	1157.8	1150.1	1119.2	1088.3
147.5°	1253.3	1198.6	1191.1	1161.0	1131.0
150°	1267.4	1219.9	1213.1	1185.9	1158.7
152.5°	1276.7	1233.7	1228.6	1208.0	1187.4
155°	1297.1	1264.3	1260.5	1245.3	1230.1
157.5°	1317.4	1294.9	1291.2	1276.4	1261.5
160°	1326.8	1308.8	1306.0	1294.4	1282.8
162.5°	1336.5	1323.6	1321.4	1312.8	1304.2
165°	1350.8	1344.9	1342.9	1335.1	1327.4
167.5°	1361.9	1357.0	1356.1	1352.3	1348.6
170°	1371.2	1370.9	1370.0	1366.2	1362.5
172.5°	1371.8	1371.8	1371.6	1370.7	1369.9
175°	1377.4	1380.2	1380.2	1380.2	1380.2
177.5°	1378.0	1380.2	1380.2	1380.2	1380.2
180°	1380.2	1380.2	1380.2	1380.2	1380.2



TEST NUMBER: P934777
 CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-12-2700K

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	12.52	13.37	13.50	14.36	15.66	15.38	16.22	16.35	17.21	18.51
	3H	13.00	13.75	13.99	14.75	16.08	16.73	17.48	17.71	18.48	19.80
	4H	13.19	13.90	14.19	14.91	16.24	17.17	17.89	18.17	18.89	20.22
	6H	13.31	13.97	14.32	14.97	16.32	17.46	18.12	18.47	19.13	20.47
	8H	13.31	13.93	14.32	14.96	16.30	17.54	18.17	18.56	19.19	20.53
	12H	13.28	13.87	14.30	14.89	16.26	17.58	18.18	18.60	19.19	20.56
4H	2H	13.56	14.27	14.57	15.28	16.61	15.78	16.50	16.79	17.50	18.83
	3H	14.58	15.18	15.60	16.21	17.56	17.29	17.89	18.31	18.92	20.26
	4H	14.86	15.40	15.88	16.43	17.80	17.82	18.37	18.85	19.39	20.76
	6H	14.98	15.45	16.02	16.50	17.86	18.19	18.66	19.23	19.71	21.07
	8H	14.99	15.43	16.02	16.47	17.85	18.30	18.74	19.34	19.78	21.16
	12H	14.96	15.35	16.01	16.40	17.79	18.36	18.76	19.42	19.81	21.20
8H	4H	15.32	15.75	16.35	16.79	18.17	17.95	18.38	18.98	19.42	20.80
	6H	15.58	15.94	16.64	17.02	18.40	18.39	18.75	19.45	19.83	21.21
	8H	15.62	15.94	16.68	17.00	18.40	18.54	18.86	19.61	19.93	21.32
	12H	15.60	15.88	16.67	16.94	18.38	18.64	18.92	19.71	19.98	21.42
12H	4H	15.32	15.72	16.37	16.77	18.16	17.91	18.30	18.96	19.36	20.74
	6H	15.64	15.96	16.70	17.02	18.42	18.38	18.70	19.45	19.77	21.16
	8H	15.70	15.98	16.77	17.04	18.48	18.55	18.83	19.62	19.89	21.33