

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: P934717

Luminaire Tested: SQ4-FA-075U-075D-840-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934717
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-840-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

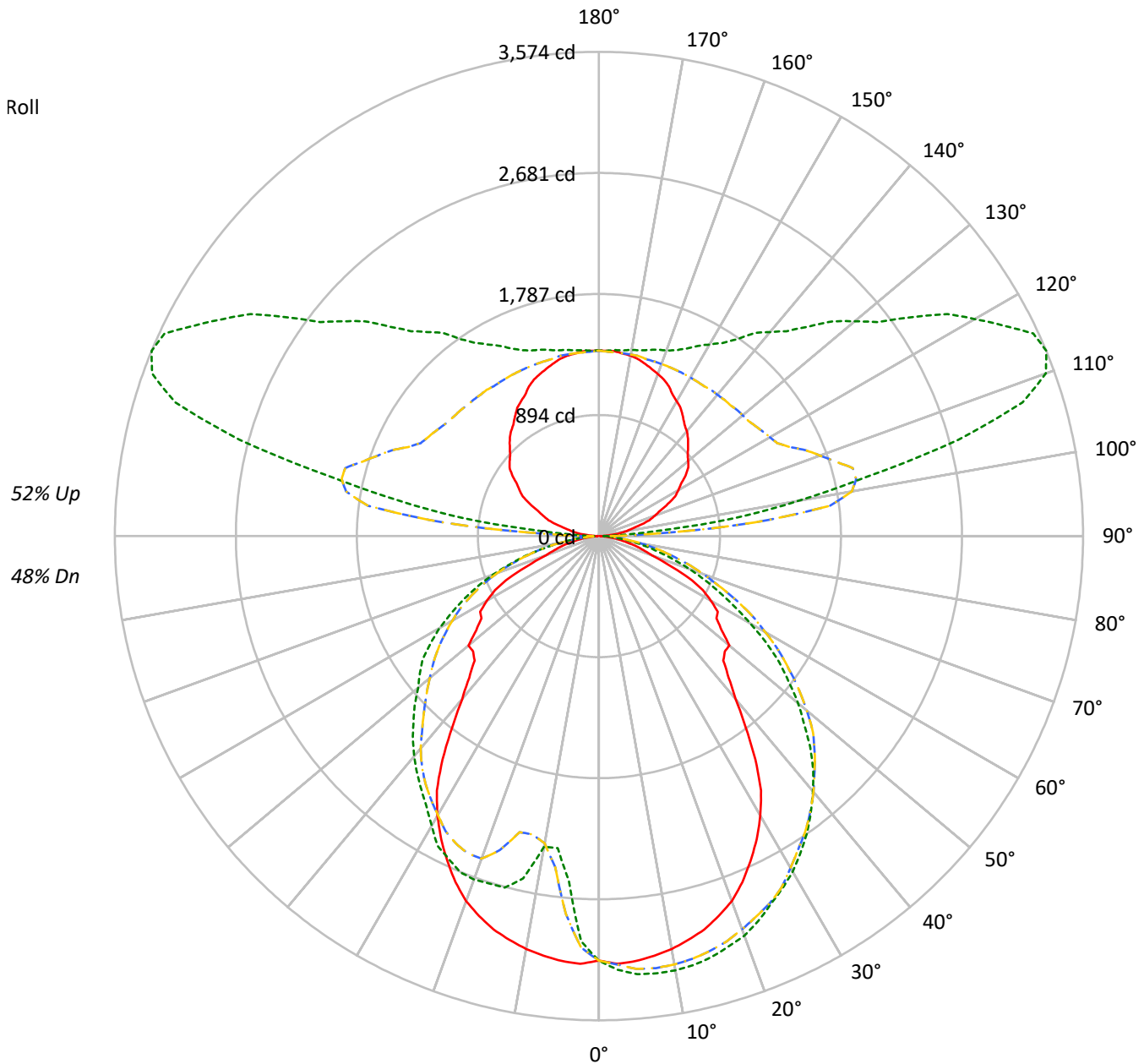
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17003.4 lumens
Efficiency: N/A
Efficacy: 133.7 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: P934717
CATALOG NUMBER: SQ4-FA-075U-075D-840-1D-UNV-STD-W-12

Luminous Intensity Polar Plot



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



TEST NUMBER: P934717

CATALOG NUMBER: SQ4-FA-075U-075D-840-1D-UNV-STD-W-12

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9691	9691	9691	9691
5°	9767	9782	9767	7692
10°	9705	9636	9705	6889
15°	9603	9427	9603	7872
20°	9406	9180	9406	7888
25°	8999	8819	8999	7721
30°	8471	8520	8471	7354
35°	7555	8141	7555	6951
40°	6299	7695	6299	6646
45°	5632	7173	5632	6296
50°	5988	6550	5988	5944
55°	5639	5879	5639	5740
60°	5820	4993	5820	5258
65°	5286	4128	5286	4614
70°	3669	3290	3669	3868
75°	3229	2432	3229	2912
80°	2621	1608	2621	1751
85°	1536	852	1536	724

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8626 cd/sqm



TEST NUMBER: P934717

CATALOG NUMBER: SQ4-FA-075U-075D-840-1D-UNV-STD-W-12

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.8	1.7
10°-20°	803.0	4.7
20°-30°	1241.3	7.3
30°-40°	1481.8	8.7
40°-50°	1490.4	8.8
50°-60°	1296.9	7.6
60°-70°	919.5	5.4
70°-80°	486.5	2.9
80°-90°	126.4	0.7
90°-100°	667.3	3.9
100°-110°	1754.5	10.3
110°-120°	1819.2	10.7
120°-130°	1459.2	8.6
130°-140°	1145.0	6.7
140°-150°	878.8	5.2
150°-160°	632.9	3.7
160°-170°	387.2	2.3
170°-180°	130.8	0.8
0°-30°	2327.0	13.7
0°-40°	3808.8	22.4
0°-60°	6596.1	38.8
0°-90°	8128.5	47.8
90°-120°	4241.0	24.9
90°-150°	7724.0	45.4
90°-180°	8875.0	52.2
0°-180°	17003.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3133	3133	3133	3133	3133	
5°	3148	3246	3148	2552	3148	299
15°	3006	3216	3006	2686	3006	846
25°	2647	3000	2647	2626	2647	1215
35°	2013	2677	2013	2285	2013	1245
45°	1298	2205	1298	1936	1298	1040
55°	1058	1627	1058	1589	1058	972
65°	735	981	735	1097	735	703
75°	279	465	279	557	279	293
85°	47	119	47	101	47	64
90°	9	35	9	35	9	10
95°	88	403	88	403	88	98
105°	316	2747	316	2747	316	335
115°	561	3537	561	3537	561	554
125°	781	2817	781	2817	781	693
135°	931	2186	931	2186	931	720
145°	1080	1773	1080	1773	1080	676
155°	1220	1527	1220	1527	1220	561
165°	1317	1422	1317	1422	1317	372
175°	1369	1378	1369	1378	1369	130
180°	1369	1369	1369	1369	1369	



TEST NUMBER: P934717

CATALOG NUMBER: SQ4-FA-075U-075D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0
2.5°	3159.7	3159.7	3177.5	3183.4	3183.4	3174.5	3165.7	3174.5	3201.2	3210.1	3207.1
5°	3147.9	3171.6	3204.2	3210.1	3216.0	3213.1	3207.1	3213.1	3242.7	3248.6	3251.6
7.5°	3124.2	3168.6	3210.1	3219.0	3227.9	3219.0	3216.0	3222.0	3251.6	3257.5	3257.5
10°	3094.5	3156.8	3204.2	3210.1	3219.0	3210.1	3210.1	3222.0	3251.6	3257.5	3260.5
12.5°	3053.0	3139.0	3183.4	3189.4	3201.2	3198.3	3195.3	3207.1	3236.8	3242.7	3242.7
15°	3005.6	3106.4	3147.9	3153.8	3174.5	3168.6	3168.6	3180.5	3213.1	3222.0	3219.0
17.5°	2940.4	3064.9	3112.3	3121.2	3136.0	3133.0	3136.0	3147.9	3177.5	3183.4	3186.4
20°	2866.3	3008.6	3064.9	3073.8	3088.6	3088.6	3088.6	3103.4	3133.0	3144.9	3144.9
22.5°	2765.5	2949.3	3008.6	3014.5	3032.3	3032.3	3038.2	3058.9	3085.6	3088.6	3088.6
25°	2647.0	2884.1	2934.5	2952.2	2970.0	2978.9	2987.8	2999.7	3008.6	3005.6	3008.6
27.5°	2522.4	2801.1	2866.3	2878.1	2901.9	2910.7	2922.6	2925.6	2928.5	2937.4	2931.5
30°	2383.1	2685.5	2783.3	2795.2	2833.7	2839.6	2827.8	2833.7	2848.5	2854.4	2860.4
32.5°	2226.0	2513.5	2697.3	2724.0	2759.6	2741.8	2738.8	2747.7	2771.4	2771.4	2777.4
35°	2012.6	2380.1	2617.3	2641.0	2667.7	2647.0	2658.8	2661.8	2676.6	2685.5	2682.5
37.5°	1778.4	2264.5	2534.2	2552.0	2572.8	2546.1	2563.9	2572.8	2584.6	2578.7	2578.7
40°	1570.9	2083.7	2436.4	2448.3	2466.0	2445.3	2463.1	2469.0	2474.9	2469.0	2466.0
42.5°	1416.8	1885.1	2332.7	2347.5	2335.6	2350.5	2356.4	2368.2	2359.3	2347.5	2347.5
45°	1298.2	1831.8	2220.0	2237.8	2220.0	2243.7	2252.6	2252.6	2226.0	2220.0	2217.1
47.5°	1259.7	1725.0	2107.4	2107.4	2098.5	2128.2	2143.0	2122.2	2095.5	2086.7	2086.7
50°	1256.7	1606.5	1953.3	1941.4	1982.9	2018.5	2003.7	1982.9	1962.2	1929.6	1929.6
52.5°	1141.1	1461.3	1754.7	1799.1	1864.4	1885.1	1861.4	1840.6	1805.1	1790.3	1778.4
55°	1058.1	1310.1	1573.9	1662.8	1731.0	1757.7	1713.2	1692.4	1639.1	1630.2	1624.3
57.5°	1040.4	1090.8	1407.9	1520.5	1603.5	1600.6	1573.9	1535.4	1490.9	1482.0	1479.0
60°	954.4	788.4	1230.1	1363.4	1449.4	1440.5	1416.8	1381.2	1339.7	1333.8	1327.9
62.5°	865.5	572.1	1028.5	1179.7	1301.2	1298.2	1277.5	1224.1	1194.5	1179.7	1167.8
65°	735.1	480.2	732.1	981.1	1156.0	1161.9	1117.4	1078.9	1046.3	1028.5	1025.5
67.5°	560.2	391.2	495.0	818.1	1016.7	1010.7	954.4	936.6	895.1	886.2	868.5
70°	415.0	260.8	343.8	663.9	880.3	865.5	821.0	800.3	761.7	741.0	729.1
72.5°	343.8	210.4	251.9	515.7	741.0	723.2	684.7	661.0	628.4	610.6	598.7
75°	278.6	222.3	192.7	382.4	601.7	589.8	554.3	530.6	503.9	480.2	483.1
77.5°	204.5	207.5	154.1	281.6	477.2	459.4	438.7	409.0	397.2	373.5	373.5
80°	154.1	163.0	115.6	192.7	343.8	343.8	326.0	305.3	284.5	272.7	272.7
82.5°	103.7	103.7	86.0	121.5	234.2	225.3	213.4	207.5	195.6	189.7	189.7
85°	47.4	59.3	53.4	74.1	127.5	133.4	133.4	127.5	124.5	118.6	121.5
87.5°	14.8	26.7	32.6	41.5	65.2	68.2	71.1	71.1	71.1	74.1	74.1
90°	9.2	16.5	23.8	25.7	40.4	60.1	69.9	62.0	46.5	34.9	34.9
92.5°	36.8	99.2	161.7	177.3	249.3	345.2	393.2	344.6	247.5	174.6	167.7
95°	88.2	202.5	317.0	345.5	613.4	970.8	1149.4	1025.7	778.2	592.6	571.6
97.5°	152.5	253.4	354.3	379.5	826.4	1422.1	1720.0	1641.8	1485.4	1368.1	1328.1
100°	202.1	293.6	385.1	407.9	903.8	1564.9	1895.5	1901.2	1912.7	1921.3	1873.5
102.5°	244.4	329.8	415.1	436.4	939.3	1609.8	1945.2	2044.8	2244.0	2393.5	2352.7
105°	316.1	388.4	460.6	478.7	965.7	1615.0	1939.6	2163.0	2609.8	2944.8	2922.9
107.5°	389.6	457.0	524.3	541.2	970.6	1543.2	1829.4	2141.0	2764.1	3231.5	3236.8
110°	439.2	500.0	560.9	576.1	963.2	1479.4	1737.5	2085.9	2782.5	3305.0	3327.8



TEST NUMBER: P934717

CATALOG NUMBER: SQ4-FA-075U-075D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	487.9	545.9	603.9	618.4	963.6	1423.8	1653.9	2010.4	2723.4	3258.1	3293.2
115°	561.4	614.8	668.4	681.7	972.4	1360.0	1553.7	1897.2	2584.0	3099.2	3147.9
117.5°	634.0	682.6	731.1	743.3	990.5	1320.0	1484.8	1794.7	2414.6	2879.5	2933.6
120°	676.3	722.0	767.7	779.1	1005.2	1306.5	1457.2	1740.4	2306.8	2731.6	2784.1
122.5°	717.6	763.7	809.9	821.4	1026.3	1299.5	1436.1	1691.1	2201.2	2583.7	2635.5
125°	781.0	823.1	865.2	875.7	1054.8	1293.7	1413.1	1629.8	2063.0	2388.0	2435.7
127.5°	832.5	875.0	917.5	928.0	1083.3	1290.3	1393.9	1579.9	1951.9	2230.9	2271.1
130°	860.1	905.8	951.4	962.9	1104.1	1292.3	1386.5	1552.0	1883.2	2131.6	2168.8
132.5°	888.5	934.3	979.9	991.4	1120.9	1293.7	1380.0	1528.2	1824.7	2047.1	2080.4
135°	930.8	972.4	1014.1	1024.5	1139.4	1292.5	1369.1	1493.2	1741.4	1927.7	1956.3
137.5°	974.0	1015.2	1056.5	1066.7	1166.9	1300.4	1367.2	1472.1	1682.1	1839.5	1863.0
140°	1009.7	1047.7	1085.7	1095.2	1183.7	1301.8	1360.8	1451.5	1632.8	1768.7	1790.7
142.5°	1037.3	1072.5	1107.5	1116.3	1197.9	1306.4	1360.8	1440.4	1599.7	1719.1	1738.0
145°	1079.6	1110.2	1140.8	1148.6	1216.2	1306.4	1351.6	1416.7	1547.0	1644.7	1659.0
147.5°	1121.9	1151.7	1181.5	1189.0	1243.2	1315.4	1351.6	1402.9	1505.3	1582.2	1594.0
150°	1149.4	1176.4	1203.4	1210.1	1257.2	1320.2	1351.6	1394.9	1481.4	1546.3	1555.9
152.5°	1177.9	1198.3	1218.7	1223.8	1266.4	1323.2	1351.6	1388.5	1462.4	1517.9	1525.1
155°	1220.2	1235.3	1250.4	1254.2	1286.7	1329.9	1351.6	1381.0	1439.8	1483.9	1488.7
157.5°	1251.4	1266.1	1280.8	1284.5	1306.8	1336.7	1351.6	1374.4	1420.2	1454.4	1457.8
160°	1272.5	1284.0	1295.5	1298.3	1316.1	1339.7	1351.6	1371.1	1410.4	1439.8	1441.8
162.5°	1293.7	1302.3	1310.8	1313.0	1325.8	1343.0	1351.6	1368.1	1401.2	1426.0	1427.9
165°	1316.7	1324.4	1332.1	1334.1	1339.9	1347.7	1351.6	1363.4	1387.1	1404.8	1406.8
167.5°	1337.8	1341.4	1345.2	1346.1	1351.0	1357.5	1360.8	1368.5	1384.0	1395.6	1396.4
170°	1351.6	1355.2	1359.0	1359.9	1360.2	1360.6	1360.8	1368.5	1384.0	1395.6	1395.6
172.5°	1358.9	1359.7	1360.6	1360.8	1360.8	1360.8	1360.8	1366.9	1379.1	1388.3	1387.6
175°	1369.1	1369.1	1369.1	1369.1	1366.3	1362.6	1360.8	1364.6	1372.4	1378.3	1378.3
177.5°	1369.1	1369.1	1369.1	1369.1	1366.9	1364.0	1362.6	1365.7	1371.8	1376.4	1375.6
180°	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1



TEST NUMBER: P934717

CATALOG NUMBER: SQ4-FA-075U-075D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0
2.5°	3213.1	3204.2	3213.1	3207.1	3210.1	3201.2	3174.5	3165.7	3174.5	3183.4	3183.4
5°	3251.6	3245.7	3251.6	3251.6	3248.6	3242.7	3213.1	3207.1	3213.1	3216.0	3210.1
7.5°	3263.5	3254.6	3263.5	3257.5	3257.5	3251.6	3222.0	3216.0	3219.0	3227.9	3219.0
10°	3263.5	3254.6	3263.5	3260.5	3257.5	3251.6	3222.0	3210.1	3210.1	3219.0	3210.1
12.5°	3248.6	3242.7	3248.6	3242.7	3242.7	3236.8	3207.1	3195.3	3198.3	3201.2	3189.4
15°	3224.9	3216.0	3224.9	3219.0	3222.0	3213.1	3180.5	3168.6	3168.6	3174.5	3153.8
17.5°	3189.4	3177.5	3189.4	3186.4	3183.4	3177.5	3147.9	3136.0	3133.0	3136.0	3121.2
20°	3147.9	3139.0	3147.9	3144.9	3144.9	3133.0	3103.4	3088.6	3088.6	3088.6	3073.8
22.5°	3082.7	3073.8	3082.7	3088.6	3088.6	3085.6	3058.9	3038.2	3032.3	3032.3	3014.5
25°	3008.6	2999.7	3008.6	3008.6	3005.6	3008.6	2999.7	2987.8	2978.9	2970.0	2952.2
27.5°	2937.4	2931.5	2937.4	2931.5	2937.4	2928.5	2925.6	2922.6	2910.7	2901.9	2878.1
30°	2866.3	2860.4	2866.3	2860.4	2854.4	2848.5	2833.7	2827.8	2839.6	2833.7	2795.2
32.5°	2777.4	2771.4	2777.4	2777.4	2771.4	2771.4	2747.7	2738.8	2741.8	2759.6	2724.0
35°	2685.5	2676.6	2685.5	2682.5	2685.5	2676.6	2661.8	2658.8	2647.0	2667.7	2641.0
37.5°	2578.7	2569.8	2578.7	2578.7	2578.7	2584.6	2572.8	2563.9	2546.1	2572.8	2552.0
40°	2469.0	2457.2	2469.0	2466.0	2469.0	2474.9	2469.0	2463.1	2445.3	2466.0	2448.3
42.5°	2344.5	2341.6	2344.5	2347.5	2347.5	2359.3	2368.2	2356.4	2350.5	2335.6	2347.5
45°	2211.1	2205.2	2211.1	2217.1	2220.0	2226.0	2252.6	2252.6	2243.7	2220.0	2237.8
47.5°	2068.9	2054.1	2068.9	2086.7	2086.7	2095.5	2122.2	2143.0	2128.2	2098.5	2107.4
50°	1917.7	1920.7	1917.7	1929.6	1929.6	1962.2	1982.9	2003.7	2018.5	1982.9	1941.4
52.5°	1769.5	1766.5	1769.5	1778.4	1790.3	1805.1	1840.6	1861.4	1885.1	1864.4	1799.1
55°	1621.3	1627.2	1621.3	1624.3	1630.2	1639.1	1692.4	1713.2	1757.7	1731.0	1662.8
57.5°	1473.1	1464.2	1473.1	1479.0	1482.0	1490.9	1535.4	1573.9	1600.6	1603.5	1520.5
60°	1301.2	1289.3	1301.2	1327.9	1333.8	1339.7	1381.2	1416.8	1440.5	1449.4	1363.4
62.5°	1150.0	1129.3	1150.0	1167.8	1179.7	1194.5	1224.1	1277.5	1298.2	1301.2	1179.7
65°	990.0	981.1	990.0	1025.5	1028.5	1046.3	1078.9	1117.4	1161.9	1156.0	981.1
67.5°	844.7	844.7	844.7	868.5	886.2	895.1	936.6	954.4	1010.7	1016.7	818.1
70°	711.4	708.4	711.4	729.1	741.0	761.7	800.3	821.0	865.5	880.3	663.9
72.5°	583.9	580.9	583.9	598.7	610.6	628.4	661.0	684.7	723.2	741.0	515.7
75°	471.3	465.3	471.3	483.1	480.2	503.9	530.6	554.3	589.8	601.7	382.4
77.5°	361.6	361.6	361.6	373.5	373.5	397.2	409.0	438.7	459.4	477.2	281.6
80°	269.7	266.8	269.7	272.7	272.7	284.5	305.3	326.0	343.8	343.8	192.7
82.5°	189.7	183.8	189.7	189.7	189.7	195.6	207.5	213.4	225.3	234.2	121.5
85°	118.6	118.6	118.6	121.5	118.6	124.5	127.5	133.4	133.4	127.5	74.1
87.5°	77.1	74.1	77.1	74.1	74.1	71.1	71.1	71.1	68.2	65.2	41.5
90°	34.9	34.9	34.9	34.9	34.9	46.5	62.0	69.9	60.1	40.4	25.7
92.5°	139.9	112.1	139.9	167.7	174.6	247.5	344.6	393.2	345.2	249.3	177.3
95°	487.5	403.4	487.5	571.6	592.6	778.2	1025.7	1149.4	970.8	613.4	345.5
97.5°	1168.0	1008.0	1168.0	1328.1	1368.1	1485.4	1641.8	1720.0	1422.1	826.4	379.5
100°	1682.9	1492.2	1682.9	1873.5	1921.3	1912.7	1901.2	1895.5	1564.9	903.8	407.9
102.5°	2189.3	2026.0	2189.3	2352.7	2393.5	2244.0	2044.8	1945.2	1609.8	939.3	436.4
105°	2835.1	2747.2	2835.1	2922.9	2944.8	2609.8	2163.0	1939.6	1615.0	965.7	478.7
107.5°	3258.0	3279.3	3258.0	3236.8	3231.5	2764.1	2141.0	1829.4	1543.2	970.6	541.2
110°	3419.3	3510.8	3419.3	3327.8	3305.0	2782.5	2085.9	1737.5	1479.4	963.2	576.1



TEST NUMBER: P934717

CATALOG NUMBER: SQ4-FA-075U-075D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3433.7	3574.2	3433.7	3293.2	3258.1	2723.4	2010.4	1653.9	1423.8	963.6	618.4
115°	3342.6	3537.4	3342.6	3147.9	3099.2	2584.0	1897.2	1553.7	1360.0	972.4	681.7
117.5°	3149.5	3365.6	3149.5	2933.6	2879.5	2414.6	1794.7	1484.8	1320.0	990.5	743.3
120°	2994.0	3203.9	2994.0	2784.1	2731.6	2306.8	1740.4	1457.2	1306.5	1005.2	779.1
122.5°	2842.5	3049.6	2842.5	2635.5	2583.7	2201.2	1691.1	1436.1	1299.5	1026.3	821.4
125°	2626.4	2817.1	2626.4	2435.7	2388.0	2063.0	1629.8	1413.1	1293.7	1054.8	875.7
127.5°	2432.1	2592.9	2432.1	2271.1	2230.9	1951.9	1579.9	1393.9	1290.3	1083.3	928.0
130°	2317.5	2466.1	2317.5	2168.8	2131.6	1883.2	1552.0	1386.5	1292.3	1104.1	962.9
132.5°	2213.5	2346.7	2213.5	2080.4	2047.1	1824.7	1528.2	1380.0	1293.7	1120.9	991.4
135°	2071.1	2185.9	2071.1	1956.3	1927.7	1741.4	1493.2	1369.1	1292.5	1139.4	1024.5
137.5°	1956.8	2050.8	1956.8	1863.0	1839.5	1682.1	1472.1	1367.2	1300.4	1166.9	1066.7
140°	1878.5	1966.2	1878.5	1790.7	1768.7	1632.8	1451.5	1360.8	1301.8	1183.7	1095.2
142.5°	1813.6	1889.1	1813.6	1738.0	1719.1	1599.7	1440.4	1360.8	1306.4	1197.9	1116.3
145°	1716.2	1773.3	1716.2	1659.0	1644.7	1547.0	1416.7	1351.6	1306.4	1216.2	1148.6
147.5°	1641.4	1688.8	1641.4	1594.0	1582.2	1505.3	1402.9	1351.6	1315.4	1243.2	1189.0
150°	1594.3	1632.8	1594.3	1555.9	1546.3	1481.4	1394.9	1351.6	1320.2	1257.2	1210.1
152.5°	1554.1	1583.1	1554.1	1525.1	1517.9	1462.4	1388.5	1351.6	1323.2	1266.4	1223.8
155°	1507.9	1527.1	1507.9	1488.7	1483.9	1439.8	1381.0	1351.6	1329.9	1286.7	1254.2
157.5°	1471.3	1484.8	1471.3	1457.8	1454.4	1420.2	1374.4	1351.6	1336.7	1306.8	1284.5
160°	1449.5	1457.2	1449.5	1441.8	1439.8	1410.4	1371.1	1351.6	1339.7	1316.1	1298.3
162.5°	1435.2	1442.6	1435.2	1427.9	1426.0	1401.2	1368.1	1351.6	1343.0	1325.8	1313.0
165°	1414.5	1422.3	1414.5	1406.8	1404.8	1387.1	1363.4	1351.6	1347.7	1339.9	1334.1
167.5°	1399.8	1403.1	1399.8	1396.4	1395.6	1384.0	1368.5	1360.8	1357.5	1351.0	1346.1
170°	1395.6	1395.6	1395.6	1395.6	1395.6	1384.0	1368.5	1360.8	1360.6	1360.2	1359.9
172.5°	1384.8	1381.9	1384.8	1387.6	1388.3	1379.1	1366.9	1360.8	1360.8	1360.8	1360.8
175°	1378.3	1378.3	1378.3	1378.3	1378.3	1372.4	1364.6	1360.8	1362.6	1366.3	1369.1
177.5°	1372.3	1369.1	1372.3	1375.6	1376.4	1371.8	1365.7	1362.6	1364.0	1366.9	1369.1
180°	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1



TEST NUMBER: P934717

CATALOG NUMBER: SQ4-FA-075U-075D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0
2.5°	3177.5	3159.7	3159.7	3130.1	3118.2	3109.3	3094.5	3050.1	3038.2	3026.3	3044.1
5°	3204.2	3171.6	3147.9	3094.5	3050.1	3032.3	2976.0	2869.3	2798.1	2744.8	2715.1
7.5°	3210.1	3168.6	3124.2	3041.2	2934.5	2887.0	2715.1	2519.4	2466.0	2418.6	2389.0
10°	3204.2	3156.8	3094.5	2970.0	2718.1	2635.1	2463.1	2335.6	2303.0	2294.1	2303.0
12.5°	3183.4	3139.0	3053.0	2845.5	2492.7	2436.4	2335.6	2261.5	2255.6	2270.4	2350.5
15°	3147.9	3106.4	3005.6	2679.6	2368.2	2326.7	2255.6	2228.9	2261.5	2365.3	2605.4
17.5°	3112.3	3064.9	2940.4	2516.4	2273.4	2243.7	2193.4	2246.7	2430.5	2569.8	2649.9
20°	3064.9	3008.6	2866.3	2397.9	2205.2	2178.5	2154.8	2394.9	2534.2	2584.6	2629.2
22.5°	3008.6	2949.3	2765.5	2314.9	2134.1	2113.3	2128.2	2477.9	2534.2	2569.8	2608.3
25°	2934.5	2884.1	2647.0	2249.7	2077.8	2054.1	2110.4	2469.0	2501.6	2510.5	2587.6
27.5°	2866.3	2801.1	2522.4	2190.4	2009.6	2000.7	2125.2	2430.5	2454.2	2463.1	2546.1
30°	2783.3	2685.5	2383.1	2128.2	1938.5	1935.5	2128.2	2383.1	2377.1	2400.8	2483.8
32.5°	2697.3	2513.5	2226.0	2051.1	1870.3	1867.3	2107.4	2311.9	2306.0	2338.6	2400.8
35°	2617.3	2380.1	2012.6	1962.2	1784.3	1787.3	2057.0	2228.9	2231.9	2261.5	2300.1
37.5°	2534.2	2264.5	1778.4	1864.4	1701.3	1701.3	1988.8	2151.9	2145.9	2154.8	2208.2
40°	2436.4	2083.7	1570.9	1736.9	1624.3	1615.4	1905.9	2068.9	2048.1	2045.2	2119.3
42.5°	2332.7	1885.1	1416.8	1568.0	1535.4	1523.5	1805.1	1968.1	1929.6	1938.5	2033.3
45°	2220.0	1831.8	1298.2	1324.9	1443.5	1434.6	1695.4	1852.5	1825.8	1849.5	1947.3
47.5°	2107.4	1725.0	1259.7	1099.6	1345.7	1342.7	1573.9	1739.9	1725.0	1748.8	1852.5
50°	1953.3	1606.5	1256.7	942.6	1236.0	1247.8	1428.6	1630.2	1630.2	1650.9	1760.6
52.5°	1754.7	1461.3	1141.1	853.6	1108.5	1144.1	1301.2	1535.4	1541.3	1562.0	1659.8
55°	1573.9	1310.1	1058.1	785.5	957.4	1034.4	1176.7	1437.5	1449.4	1470.1	1559.1
57.5°	1407.9	1090.8	1040.4	705.4	818.1	892.2	1067.0	1342.7	1348.6	1366.4	1452.4
60°	1230.1	788.4	954.4	619.5	696.5	752.9	966.3	1230.1	1250.8	1262.7	1336.8
62.5°	1028.5	572.1	865.5	560.2	637.3	649.1	883.3	1123.4	1150.0	1158.9	1203.4
65°	732.1	480.2	735.1	509.8	575.0	578.0	794.4	1013.7	1037.4	1052.2	1084.8
67.5°	495.0	391.2	560.2	462.4	527.6	530.6	708.4	886.2	918.8	930.7	951.4
70°	343.8	260.8	415.0	412.0	474.2	480.2	616.5	770.6	800.3	809.2	821.0
72.5°	251.9	210.4	343.8	370.5	417.9	423.9	521.7	640.2	669.9	678.8	684.7
75°	192.7	222.3	278.6	323.1	355.7	358.6	426.8	521.7	542.4	548.3	551.3
77.5°	154.1	207.5	204.5	260.8	290.5	284.5	334.9	403.1	420.9	420.9	420.9
80°	115.6	163.0	154.1	186.7	213.4	207.5	240.1	287.5	293.4	299.4	296.4
82.5°	86.0	103.7	103.7	118.6	142.3	136.3	160.1	186.7	186.7	186.7	192.7
85°	53.4	59.3	47.4	62.2	80.0	77.1	88.9	100.8	103.7	103.7	97.8
87.5°	32.6	26.7	14.8	23.7	35.6	35.6	41.5	44.5	41.5	41.5	41.5
90°	23.8	16.5	9.2	16.5	23.8	25.7	40.4	60.1	69.9	62.0	46.5
92.5°	161.7	99.2	36.8	99.2	161.7	177.3	249.3	345.2	393.2	344.6	247.5
95°	317.0	202.5	88.2	202.5	317.0	345.5	613.4	970.8	1149.4	1025.7	778.2
97.5°	354.3	253.4	152.5	253.4	354.3	379.5	826.4	1422.1	1720.0	1641.8	1485.4
100°	385.1	293.6	202.1	293.6	385.1	407.9	903.8	1564.9	1895.5	1901.2	1912.7
102.5°	415.1	329.8	244.4	329.8	415.1	436.4	939.3	1609.8	1945.2	2044.8	2244.0
105°	460.6	388.4	316.1	388.4	460.6	478.7	965.7	1615.0	1939.6	2163.0	2609.8
107.5°	524.3	457.0	389.6	457.0	524.3	541.2	970.6	1543.2	1829.4	2141.0	2764.1
110°	560.9	500.0	439.2	500.0	560.9	576.1	963.2	1479.4	1737.5	2085.9	2782.5



TEST NUMBER: P934717

CATALOG NUMBER: SQ4-FA-075U-075D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	603.9	545.9	487.9	545.9	603.9	618.4	963.6	1423.8	1653.9	2010.4	2723.4
115°	668.4	614.8	561.4	614.8	668.4	681.7	972.4	1360.0	1553.7	1897.2	2584.0
117.5°	731.1	682.6	634.0	682.6	731.1	743.3	990.5	1320.0	1484.8	1794.7	2414.6
120°	767.7	722.0	676.3	722.0	767.7	779.1	1005.2	1306.5	1457.2	1740.4	2306.8
122.5°	809.9	763.7	717.6	763.7	809.9	821.4	1026.3	1299.5	1436.1	1691.1	2201.2
125°	865.2	823.1	781.0	823.1	865.2	875.7	1054.8	1293.7	1413.1	1629.8	2063.0
127.5°	917.5	875.0	832.5	875.0	917.5	928.0	1083.3	1290.3	1393.9	1579.9	1951.9
130°	951.4	905.8	860.1	905.8	951.4	962.9	1104.1	1292.3	1386.5	1552.0	1883.2
132.5°	979.9	934.3	888.5	934.3	979.9	991.4	1120.9	1293.7	1380.0	1528.2	1824.7
135°	1014.1	972.4	930.8	972.4	1014.1	1024.5	1139.4	1292.5	1369.1	1493.2	1741.4
137.5°	1056.5	1015.2	974.0	1015.2	1056.5	1066.7	1166.9	1300.4	1367.2	1472.1	1682.1
140°	1085.7	1047.7	1009.7	1047.7	1085.7	1095.2	1183.7	1301.8	1360.8	1451.5	1632.8
142.5°	1107.5	1072.5	1037.3	1072.5	1107.5	1116.3	1197.9	1306.4	1360.8	1440.4	1599.7
145°	1140.8	1110.2	1079.6	1110.2	1140.8	1148.6	1216.2	1306.4	1351.6	1416.7	1547.0
147.5°	1181.5	1151.7	1121.9	1151.7	1181.5	1189.0	1243.2	1315.4	1351.6	1402.9	1505.3
150°	1203.4	1176.4	1149.4	1176.4	1203.4	1210.1	1257.2	1320.2	1351.6	1394.9	1481.4
152.5°	1218.7	1198.3	1177.9	1198.3	1218.7	1223.8	1266.4	1323.2	1351.6	1388.5	1462.4
155°	1250.4	1235.3	1220.2	1235.3	1250.4	1254.2	1286.7	1329.9	1351.6	1381.0	1439.8
157.5°	1280.8	1266.1	1251.4	1266.1	1280.8	1284.5	1306.8	1336.7	1351.6	1374.4	1420.2
160°	1295.5	1284.0	1272.5	1284.0	1295.5	1298.3	1316.1	1339.7	1351.6	1371.1	1410.4
162.5°	1310.8	1302.3	1293.7	1302.3	1310.8	1313.0	1325.8	1343.0	1351.6	1368.1	1401.2
165°	1332.1	1324.4	1316.7	1324.4	1332.1	1334.1	1339.9	1347.7	1351.6	1363.4	1387.1
167.5°	1345.2	1341.4	1337.8	1341.4	1345.2	1346.1	1351.0	1357.5	1360.8	1368.5	1384.0
170°	1359.0	1355.2	1351.6	1355.2	1359.0	1359.9	1360.2	1360.6	1360.8	1368.5	1384.0
172.5°	1360.6	1359.7	1358.9	1359.7	1360.6	1360.8	1360.8	1360.8	1360.8	1366.9	1379.1
175°	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1366.3	1362.6	1360.8	1364.6	1372.4
177.5°	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1366.9	1364.0	1362.6	1365.7	1371.8
180°	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1



TEST NUMBER: P934717

CATALOG NUMBER: SQ4-FA-075U-075D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0
2.5°	3023.4	3014.5	3026.3	2993.7	3026.3	3014.5	3023.4	3044.1	3026.3	3038.2	3050.1
5°	2652.9	2638.1	2590.5	2552.0	2590.5	2638.1	2652.9	2715.1	2744.8	2798.1	2869.3
7.5°	2371.2	2359.3	2347.5	2323.8	2347.5	2359.3	2371.2	2389.0	2418.6	2466.0	2519.4
10°	2309.0	2311.9	2329.7	2326.7	2329.7	2311.9	2309.0	2303.0	2294.1	2303.0	2335.6
12.5°	2469.0	2495.7	2593.5	2587.6	2593.5	2495.7	2469.0	2350.5	2270.4	2255.6	2261.5
15°	2652.9	2661.8	2682.5	2685.5	2682.5	2661.8	2652.9	2605.4	2365.3	2261.5	2228.9
17.5°	2670.7	2673.6	2688.4	2688.4	2688.4	2673.6	2670.7	2649.9	2569.8	2430.5	2246.7
20°	2655.8	2661.8	2691.4	2697.3	2691.4	2661.8	2655.8	2629.2	2584.6	2534.2	2394.9
22.5°	2649.9	2661.8	2685.5	2682.5	2685.5	2661.8	2649.9	2608.3	2569.8	2534.2	2477.9
25°	2620.3	2620.3	2623.2	2626.2	2623.2	2620.3	2620.3	2587.6	2510.5	2501.6	2469.0
27.5°	2557.9	2563.9	2581.6	2578.7	2581.6	2563.9	2557.9	2546.1	2463.1	2454.2	2430.5
30°	2501.6	2495.7	2480.9	2469.0	2480.9	2495.7	2501.6	2483.8	2400.8	2377.1	2383.1
32.5°	2406.8	2391.9	2377.1	2368.2	2377.1	2391.9	2406.8	2400.8	2338.6	2306.0	2311.9
35°	2294.1	2297.1	2294.1	2285.2	2294.1	2297.1	2294.1	2300.1	2261.5	2231.9	2228.9
37.5°	2214.1	2220.0	2217.1	2205.2	2217.1	2220.0	2214.1	2208.2	2154.8	2145.9	2151.9
40°	2131.1	2134.1	2131.1	2122.2	2131.1	2134.1	2131.1	2119.3	2045.2	2048.1	2068.9
42.5°	2051.1	2048.1	2039.2	2033.3	2039.2	2048.1	2051.1	2033.3	1938.5	1929.6	1968.1
45°	1959.2	1962.2	1944.4	1935.5	1944.4	1962.2	1959.2	1947.3	1849.5	1825.8	1852.5
47.5°	1867.3	1867.3	1852.5	1843.6	1852.5	1867.3	1867.3	1852.5	1748.8	1725.0	1739.9
50°	1769.5	1766.5	1745.8	1742.8	1745.8	1766.5	1769.5	1760.6	1650.9	1630.2	1630.2
52.5°	1656.9	1656.9	1659.8	1665.8	1659.8	1656.9	1656.9	1659.8	1562.0	1541.3	1535.4
55°	1559.1	1562.0	1582.8	1588.7	1582.8	1562.0	1559.1	1559.1	1470.1	1449.4	1437.5
57.5°	1458.3	1458.3	1473.1	1473.1	1473.1	1458.3	1458.3	1452.4	1366.4	1348.6	1342.7
60°	1342.7	1348.6	1360.5	1357.5	1360.5	1348.6	1342.7	1336.8	1262.7	1250.8	1230.1
62.5°	1221.2	1227.1	1230.1	1224.1	1230.1	1227.1	1221.2	1203.4	1158.9	1150.0	1123.4
65°	1093.7	1099.6	1102.6	1096.7	1102.6	1099.6	1093.7	1084.8	1052.2	1037.4	1013.7
67.5°	963.3	960.3	957.4	969.2	957.4	960.3	963.3	951.4	930.7	918.8	886.2
70°	829.9	829.9	827.0	832.9	827.0	829.9	829.9	821.0	809.2	800.3	770.6
72.5°	687.6	684.7	696.5	687.6	696.5	684.7	687.6	684.7	678.8	669.9	640.2
75°	548.3	554.3	548.3	557.2	548.3	554.3	548.3	551.3	548.3	542.4	521.7
77.5°	417.9	423.9	417.9	417.9	417.9	423.9	417.9	420.9	420.9	420.9	403.1
80°	296.4	293.4	293.4	290.5	293.4	293.4	296.4	296.4	299.4	293.4	287.5
82.5°	189.7	186.7	186.7	192.7	186.7	186.7	189.7	192.7	186.7	186.7	186.7
85°	103.7	106.7	100.8	100.8	100.8	106.7	103.7	97.8	103.7	103.7	100.8
87.5°	38.5	35.6	35.6	35.6	35.6	35.6	38.5	41.5	41.5	41.5	44.5
90°	34.9	34.9	34.9	34.9	34.9	34.9	34.9	46.5	62.0	69.9	60.1
92.5°	174.6	167.7	139.9	112.1	139.9	167.7	174.6	247.5	344.6	393.2	345.2
95°	592.6	571.6	487.5	403.4	487.5	571.6	592.6	778.2	1025.7	1149.4	970.8
97.5°	1368.1	1328.1	1168.0	1008.0	1168.0	1328.1	1368.1	1485.4	1641.8	1720.0	1422.1
100°	1921.3	1873.5	1682.9	1492.2	1682.9	1873.5	1921.3	1912.7	1901.2	1895.5	1564.9
102.5°	2393.5	2352.7	2189.3	2026.0	2189.3	2352.7	2393.5	2244.0	2044.8	1945.2	1609.8
105°	2944.8	2922.9	2835.1	2747.2	2835.1	2922.9	2944.8	2609.8	2163.0	1939.6	1615.0
107.5°	3231.5	3236.8	3258.0	3279.3	3258.0	3236.8	3231.5	2764.1	2141.0	1829.4	1543.2
110°	3305.0	3327.8	3419.3	3510.8	3419.3	3327.8	3305.0	2782.5	2085.9	1737.5	1479.4



TEST NUMBER: P934717

CATALOG NUMBER: SQ4-FA-075U-075D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3258.1	3293.2	3433.7	3574.2	3433.7	3293.2	3258.1	2723.4	2010.4	1653.9	1423.8
115°	3099.2	3147.9	3342.6	3537.4	3342.6	3147.9	3099.2	2584.0	1897.2	1553.7	1360.0
117.5°	2879.5	2933.6	3149.5	3365.6	3149.5	2933.6	2879.5	2414.6	1794.7	1484.8	1320.0
120°	2731.6	2784.1	2994.0	3203.9	2994.0	2784.1	2731.6	2306.8	1740.4	1457.2	1306.5
122.5°	2583.7	2635.5	2842.5	3049.6	2842.5	2635.5	2583.7	2201.2	1691.1	1436.1	1299.5
125°	2388.0	2435.7	2626.4	2817.1	2626.4	2435.7	2388.0	2063.0	1629.8	1413.1	1293.7
127.5°	2230.9	2271.1	2432.1	2592.9	2432.1	2271.1	2230.9	1951.9	1579.9	1393.9	1290.3
130°	2131.6	2168.8	2317.5	2466.1	2317.5	2168.8	2131.6	1883.2	1552.0	1386.5	1292.3
132.5°	2047.1	2080.4	2213.5	2346.7	2213.5	2080.4	2047.1	1824.7	1528.2	1380.0	1293.7
135°	1927.7	1956.3	2071.1	2185.9	2071.1	1956.3	1927.7	1741.4	1493.2	1369.1	1292.5
137.5°	1839.5	1863.0	1956.8	2050.8	1956.8	1863.0	1839.5	1682.1	1472.1	1367.2	1300.4
140°	1768.7	1790.7	1878.5	1966.2	1878.5	1790.7	1768.7	1632.8	1451.5	1360.8	1301.8
142.5°	1719.1	1738.0	1813.6	1889.1	1813.6	1738.0	1719.1	1599.7	1440.4	1360.8	1306.4
145°	1644.7	1659.0	1716.2	1773.3	1716.2	1659.0	1644.7	1547.0	1416.7	1351.6	1306.4
147.5°	1582.2	1594.0	1641.4	1688.8	1641.4	1594.0	1582.2	1505.3	1402.9	1351.6	1315.4
150°	1546.3	1555.9	1594.3	1632.8	1594.3	1555.9	1546.3	1481.4	1394.9	1351.6	1320.2
152.5°	1517.9	1525.1	1554.1	1583.1	1554.1	1525.1	1517.9	1462.4	1388.5	1351.6	1323.2
155°	1483.9	1488.7	1507.9	1527.1	1507.9	1488.7	1483.9	1439.8	1381.0	1351.6	1329.9
157.5°	1454.4	1457.8	1471.3	1484.8	1471.3	1457.8	1454.4	1420.2	1374.4	1351.6	1336.7
160°	1439.8	1441.8	1449.5	1457.2	1449.5	1441.8	1439.8	1410.4	1371.1	1351.6	1339.7
162.5°	1426.0	1427.9	1435.2	1442.6	1435.2	1427.9	1426.0	1401.2	1368.1	1351.6	1343.0
165°	1404.8	1406.8	1414.5	1422.3	1414.5	1406.8	1404.8	1387.1	1363.4	1351.6	1347.7
167.5°	1395.6	1396.4	1399.8	1403.1	1399.8	1396.4	1395.6	1384.0	1368.5	1360.8	1357.5
170°	1395.6	1395.6	1395.6	1395.6	1395.6	1395.6	1395.6	1384.0	1368.5	1360.8	1360.6
172.5°	1388.3	1387.6	1384.8	1381.9	1384.8	1387.6	1388.3	1379.1	1366.9	1360.8	1360.8
175°	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1372.4	1364.6	1360.8	1362.6
177.5°	1376.4	1375.6	1372.3	1369.1	1372.3	1375.6	1376.4	1371.8	1365.7	1362.6	1364.0
180°	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1



TEST NUMBER: P934717

CATALOG NUMBER: SQ4-FA-075U-075D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3133.0	3133.0	3133.0	3133.0	3133.0
2.5°	3094.5	3109.3	3118.2	3130.1	3159.7
5°	2976.0	3032.3	3050.1	3094.5	3147.9
7.5°	2715.1	2887.0	2934.5	3041.2	3124.2
10°	2463.1	2635.1	2718.1	2970.0	3094.5
12.5°	2335.6	2436.4	2492.7	2845.5	3053.0
15°	2255.6	2326.7	2368.2	2679.6	3005.6
17.5°	2193.4	2243.7	2273.4	2516.4	2940.4
20°	2154.8	2178.5	2205.2	2397.9	2866.3
22.5°	2128.2	2113.3	2134.1	2314.9	2765.5
25°	2110.4	2054.1	2077.8	2249.7	2647.0
27.5°	2125.2	2000.7	2009.6	2190.4	2522.4
30°	2128.2	1935.5	1938.5	2128.2	2383.1
32.5°	2107.4	1867.3	1870.3	2051.1	2226.0
35°	2057.0	1787.3	1784.3	1962.2	2012.6
37.5°	1988.8	1701.3	1701.3	1864.4	1778.4
40°	1905.9	1615.4	1624.3	1736.9	1570.9
42.5°	1805.1	1523.5	1535.4	1568.0	1416.8
45°	1695.4	1434.6	1443.5	1324.9	1298.2
47.5°	1573.9	1342.7	1345.7	1099.6	1259.7
50°	1428.6	1247.8	1236.0	942.6	1256.7
52.5°	1301.2	1144.1	1108.5	853.6	1141.1
55°	1176.7	1034.4	957.4	785.5	1058.1
57.5°	1067.0	892.2	818.1	705.4	1040.4
60°	966.3	752.9	696.5	619.5	954.4
62.5°	883.3	649.1	637.3	560.2	865.5
65°	794.4	578.0	575.0	509.8	735.1
67.5°	708.4	530.6	527.6	462.4	560.2
70°	616.5	480.2	474.2	412.0	415.0
72.5°	521.7	423.9	417.9	370.5	343.8
75°	426.8	358.6	355.7	323.1	278.6
77.5°	334.9	284.5	290.5	260.8	204.5
80°	240.1	207.5	213.4	186.7	154.1
82.5°	160.1	136.3	142.3	118.6	103.7
85°	88.9	77.1	80.0	62.2	47.4
87.5°	41.5	35.6	35.6	23.7	14.8
90°	40.4	25.7	23.8	16.5	9.2
92.5°	249.3	177.3	161.7	99.2	36.8
95°	613.4	345.5	317.0	202.5	88.2
97.5°	826.4	379.5	354.3	253.4	152.5
100°	903.8	407.9	385.1	293.6	202.1
102.5°	939.3	436.4	415.1	329.8	244.4
105°	965.7	478.7	460.6	388.4	316.1
107.5°	970.6	541.2	524.3	457.0	389.6
110°	963.2	576.1	560.9	500.0	439.2



TEST NUMBER: P934717

CATALOG NUMBER: SQ4-FA-075U-075D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	963.6	618.4	603.9	545.9	487.9
115°	972.4	681.7	668.4	614.8	561.4
117.5°	990.5	743.3	731.1	682.6	634.0
120°	1005.2	779.1	767.7	722.0	676.3
122.5°	1026.3	821.4	809.9	763.7	717.6
125°	1054.8	875.7	865.2	823.1	781.0
127.5°	1083.3	928.0	917.5	875.0	832.5
130°	1104.1	962.9	951.4	905.8	860.1
132.5°	1120.9	991.4	979.9	934.3	888.5
135°	1139.4	1024.5	1014.1	972.4	930.8
137.5°	1166.9	1066.7	1056.5	1015.2	974.0
140°	1183.7	1095.2	1085.7	1047.7	1009.7
142.5°	1197.9	1116.3	1107.5	1072.5	1037.3
145°	1216.2	1148.6	1140.8	1110.2	1079.6
147.5°	1243.2	1189.0	1181.5	1151.7	1121.9
150°	1257.2	1210.1	1203.4	1176.4	1149.4
152.5°	1266.4	1223.8	1218.7	1198.3	1177.9
155°	1286.7	1254.2	1250.4	1235.3	1220.2
157.5°	1306.8	1284.5	1280.8	1266.1	1251.4
160°	1316.1	1298.3	1295.5	1284.0	1272.5
162.5°	1325.8	1313.0	1310.8	1302.3	1293.7
165°	1339.9	1334.1	1332.1	1324.4	1316.7
167.5°	1351.0	1346.1	1345.2	1341.4	1337.8
170°	1360.2	1359.9	1359.0	1355.2	1351.6
172.5°	1360.8	1360.8	1360.6	1359.7	1358.9
175°	1366.3	1369.1	1369.1	1369.1	1369.1
177.5°	1366.9	1369.1	1369.1	1369.1	1369.1
180°	1369.1	1369.1	1369.1	1369.1	1369.1



TEST NUMBER: P934717
 CATALOG NUMBER: SQ4-FA-075U-075D-840-1D-UNV-STD-W-12

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	12.50	13.34	13.47	14.33	15.63	15.35	16.19	16.32	17.18	18.48
	3H	12.97	13.73	13.96	14.72	16.05	16.70	17.45	17.68	18.45	19.77
	4H	13.16	13.88	14.16	14.88	16.21	17.15	17.86	18.15	18.86	20.19
	6H	13.28	13.94	14.29	14.94	16.29	17.43	18.09	18.45	19.10	20.44
	8H	13.28	13.91	14.30	14.93	16.27	17.51	18.14	18.53	19.16	20.50
	12H	13.25	13.85	14.27	14.86	16.23	17.55	18.15	18.57	19.17	20.53
4H	2H	13.53	14.25	14.54	15.25	16.58	15.75	16.47	16.76	17.47	18.80
	3H	14.56	15.15	15.57	16.18	17.53	17.26	17.86	18.28	18.89	20.24
	4H	14.83	15.38	15.86	16.40	17.77	17.80	18.34	18.82	19.36	20.73
	6H	14.96	15.42	15.99	16.47	17.84	18.17	18.63	19.20	19.68	21.04
	8H	14.96	15.40	16.00	16.44	17.82	18.27	18.71	19.31	19.75	21.13
	12H	14.93	15.32	15.98	16.38	17.76	18.33	18.73	19.39	19.78	21.17
8H	4H	15.29	15.72	16.32	16.76	18.14	17.92	18.35	18.95	19.39	20.77
	6H	15.55	15.91	16.61	16.99	18.37	18.36	18.72	19.42	19.80	21.18
	8H	15.59	15.91	16.66	16.97	18.37	18.51	18.83	19.58	19.90	21.29
	12H	15.57	15.85	16.64	16.91	18.35	18.62	18.90	19.69	19.96	21.39
12H	4H	15.29	15.69	16.35	16.74	18.13	17.88	18.28	18.93	19.33	20.72
	6H	15.61	15.93	16.68	16.99	18.39	18.36	18.67	19.42	19.74	21.14
	8H	15.68	15.96	16.75	17.02	18.45	18.52	18.80	19.59	19.86	21.30