

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: P934753

Luminaire Tested: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934753
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-93050-1D-UNV-STD-W-12-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

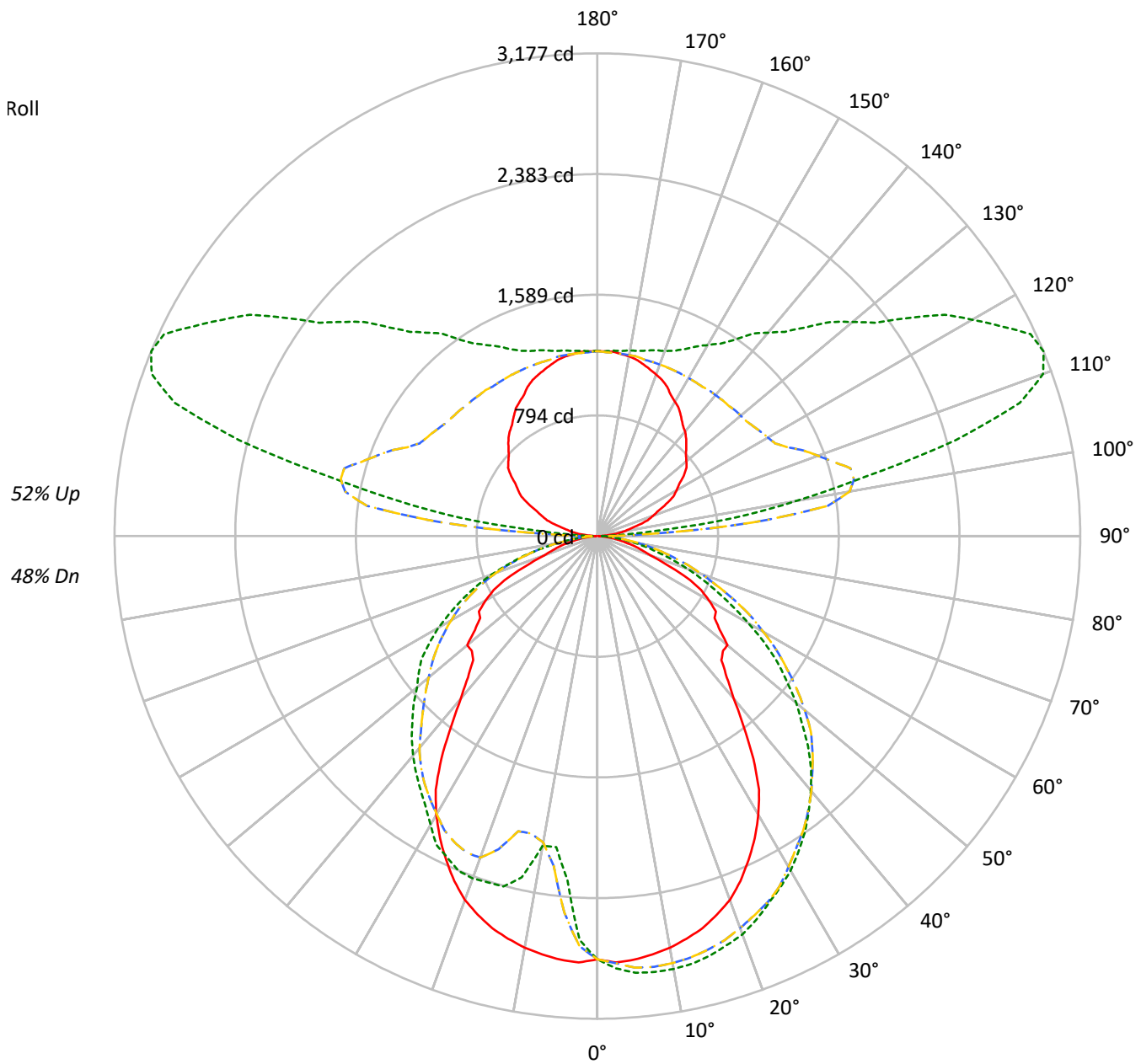
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15115.5 lumens
Efficiency: N/A
Efficacy: 118.8 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: P934753
CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-12-3000K

Luminous Intensity Polar Plot



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



TEST NUMBER: P934753

CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-12-3000K

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°	8615	8615	8615	8615
5°	8682	8696	8682	6838
10°	8627	8566	8627	6124
15°	8537	8381	8537	6998
20°	8362	8161	8362	7012
25°	8000	7840	8000	6864
30°	7530	7574	7530	6538
35°	6716	7237	6716	6179
40°	5600	6840	5600	5908
45°	5007	6377	5007	5597
50°	5323	5823	5323	5284
55°	5013	5227	5013	5103
60°	5174	4439	5174	4674
65°	4699	3670	4699	4102
70°	3261	2924	3261	3438
75°	2871	2162	2871	2589
80°	2330	1429	2330	1556
85°	1367	757	1367	644

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7668 cd/sqm



TEST NUMBER: P934753

CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-12-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.4	1.7
10°-20°	713.8	4.7
20°-30°	1103.4	7.3
30°-40°	1317.2	8.7
40°-50°	1325.0	8.8
50°-60°	1152.9	7.6
60°-70°	817.4	5.4
70°-80°	432.5	2.9
80°-90°	112.3	0.7
90°-100°	593.2	3.9
100°-110°	1559.7	10.3
110°-120°	1617.2	10.7
120°-130°	1297.2	8.6
130°-140°	1017.8	6.7
140°-150°	781.2	5.2
150°-160°	562.6	3.7
160°-170°	344.2	2.3
170°-180°	116.3	0.8
0°-30°	2068.7	13.7
0°-40°	3385.9	22.4
0°-60°	5863.8	38.8
0°-90°	7226.0	47.8
90°-120°	3770.1	24.9
90°-150°	6866.4	45.4
90°-180°	7890.0	52.2
0°-180°	15115.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2785	2785	2785	2785	2785	
5°	2798	2885	2798	2269	2798	265
15°	2672	2859	2672	2387	2672	752
25°	2353	2667	2353	2335	2353	1080
35°	1789	2379	1789	2032	1789	1107
45°	1154	1960	1154	1721	1154	924
55°	941	1447	941	1412	941	864
65°	654	872	654	975	654	625
75°	248	414	248	495	248	260
85°	42	105	42	90	42	57
90°	8	31	8	31	8	9
95°	78	359	78	359	78	87
105°	281	2442	281	2442	281	298
115°	499	3145	499	3145	499	493
125°	694	2504	694	2504	694	616
135°	827	1943	827	1943	827	640
145°	960	1576	960	1576	960	601
155°	1085	1358	1085	1358	1085	498
165°	1170	1264	1170	1264	1170	330
175°	1217	1225	1217	1225	1217	116
180°	1217	1217	1217	1217	1217	



TEST NUMBER: P934753

CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2
2.5°	2808.9	2808.9	2824.7	2830.0	2830.0	2822.1	2814.2	2822.1	2845.8	2853.7	2851.1
5°	2798.4	2819.4	2848.4	2853.7	2859.0	2856.3	2851.1	2856.3	2882.7	2887.9	2890.6
7.5°	2777.3	2816.8	2853.7	2861.6	2869.5	2861.6	2859.0	2864.2	2890.6	2895.8	2895.8
10°	2750.9	2806.3	2848.4	2853.7	2861.6	2853.7	2853.7	2864.2	2890.6	2895.8	2898.5
12.5°	2714.0	2790.5	2830.0	2835.2	2845.8	2843.1	2840.5	2851.1	2877.4	2882.7	2882.7
15°	2671.9	2761.5	2798.4	2803.6	2822.1	2816.8	2816.8	2827.3	2856.3	2864.2	2861.6
17.5°	2613.9	2724.6	2766.7	2774.6	2787.8	2785.2	2787.8	2798.4	2824.7	2830.0	2832.6
20°	2548.0	2674.5	2724.6	2732.5	2745.7	2745.7	2745.7	2758.8	2785.2	2795.7	2795.7
22.5°	2458.5	2621.8	2674.5	2679.8	2695.6	2695.6	2700.9	2719.3	2743.0	2745.7	2745.7
25°	2353.1	2563.8	2608.6	2624.5	2640.3	2648.2	2656.1	2666.6	2674.5	2671.9	2674.5
27.5°	2242.3	2490.1	2548.0	2558.6	2579.7	2587.6	2598.1	2600.7	2603.4	2611.3	2606.0
30°	2118.5	2387.3	2474.3	2484.8	2519.1	2524.3	2513.8	2519.1	2532.2	2537.5	2542.8
32.5°	1978.8	2234.4	2397.8	2421.6	2453.2	2437.4	2434.7	2442.6	2463.7	2463.7	2469.0
35°	1789.1	2115.8	2326.7	2347.8	2371.5	2353.1	2363.6	2366.2	2379.4	2387.3	2384.7
37.5°	1580.9	2013.1	2252.8	2268.7	2287.1	2263.4	2279.2	2287.1	2297.6	2292.4	2292.4
40°	1396.5	1852.3	2165.9	2176.4	2192.2	2173.8	2189.6	2194.9	2200.1	2194.9	2192.2
42.5°	1259.5	1675.8	2073.7	2086.8	2076.3	2089.5	2094.7	2105.3	2097.4	2086.8	2086.8
45°	1154.1	1628.4	1973.5	1989.4	1973.5	1994.6	2002.5	2002.5	1978.8	1973.5	1970.9
47.5°	1119.8	1533.5	1873.4	1873.4	1865.5	1891.9	1905.0	1886.6	1862.9	1855.0	1855.0
50°	1117.2	1428.1	1736.4	1725.9	1762.8	1794.4	1781.2	1762.8	1744.3	1715.3	1715.3
52.5°	1014.4	1299.0	1559.9	1599.4	1657.4	1675.8	1654.7	1636.3	1604.7	1591.5	1580.9
55°	940.7	1164.6	1399.1	1478.2	1538.8	1562.5	1523.0	1504.5	1457.1	1449.2	1443.9
57.5°	924.9	969.6	1251.6	1351.7	1425.5	1422.8	1399.1	1364.9	1325.4	1317.5	1314.8
60°	848.4	700.9	1093.5	1212.1	1288.5	1280.6	1259.5	1227.9	1191.0	1185.7	1180.4
62.5°	769.4	508.5	914.3	1048.7	1156.7	1154.1	1135.6	1088.2	1061.9	1048.7	1038.2
65°	653.5	426.9	650.8	872.2	1027.6	1032.9	993.4	959.1	930.1	914.3	911.7
67.5°	498.0	347.8	440.0	727.2	903.8	898.5	848.4	832.6	795.7	787.8	772.0
70°	368.9	231.9	305.6	590.2	782.6	769.4	729.9	711.4	677.2	658.7	648.2
72.5°	305.6	187.1	224.0	458.5	658.7	642.9	608.7	587.6	558.6	542.8	532.3
75°	247.7	197.6	171.3	339.9	534.9	524.3	492.7	471.6	447.9	426.9	429.5
77.5°	181.8	184.4	137.0	250.3	424.2	408.4	390.0	363.6	353.1	332.0	332.0
80°	137.0	144.9	102.8	171.3	305.6	305.6	289.8	271.4	253.0	242.4	242.4
82.5°	92.2	92.2	76.4	108.0	208.2	200.3	189.7	184.4	173.9	168.6	168.6
85°	42.2	52.7	47.4	65.9	113.3	118.6	118.6	113.3	110.7	105.4	108.0
87.5°	13.2	23.7	29.0	36.9	58.0	60.6	63.2	63.2	63.2	65.9	65.9
90°	8.2	14.7	21.2	22.8	35.9	53.4	62.1	55.2	41.4	31.0	31.0
92.5°	32.7	88.2	143.8	157.7	221.6	306.9	349.6	306.4	220.0	155.2	149.0
95°	78.4	180.1	281.8	307.1	545.3	863.0	1021.8	911.9	691.8	526.8	508.1
97.5°	135.6	225.3	315.0	337.4	734.6	1264.2	1529.0	1459.5	1320.4	1216.2	1180.6
100°	179.7	261.0	342.4	362.7	803.5	1391.1	1685.0	1690.1	1700.3	1707.9	1665.5
102.5°	217.3	293.2	369.0	387.9	835.0	1431.1	1729.2	1817.7	1994.9	2127.8	2091.5
105°	281.0	345.3	409.5	425.5	858.5	1435.7	1724.3	1922.9	2320.0	2617.9	2598.4
107.5°	346.3	406.2	466.1	481.1	862.8	1371.8	1626.3	1903.3	2457.2	2872.7	2877.4
110°	390.4	444.5	498.6	512.1	856.3	1315.2	1544.6	1854.3	2473.6	2938.0	2958.3



TEST NUMBER: P934753

CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	433.7	485.3	536.8	549.7	856.6	1265.7	1470.3	1787.2	2421.0	2896.4	2927.6
115°	499.1	546.6	594.2	606.0	864.4	1209.0	1381.2	1686.5	2297.1	2755.1	2798.4
117.5°	563.6	606.8	649.9	660.7	880.5	1173.4	1319.9	1595.4	2146.5	2559.8	2607.9
120°	601.2	641.9	682.4	692.6	893.6	1161.5	1295.4	1547.1	2050.7	2428.3	2475.0
122.5°	637.9	678.9	719.9	730.2	912.4	1155.2	1276.6	1503.3	1956.8	2296.8	2342.9
125°	694.3	731.7	769.1	778.4	937.7	1150.0	1256.2	1448.8	1834.0	2122.9	2165.3
127.5°	740.1	777.8	815.6	825.0	963.1	1147.1	1239.1	1404.5	1735.2	1983.2	2019.0
130°	764.6	805.2	845.8	856.0	981.5	1148.8	1232.5	1379.7	1674.1	1894.9	1928.0
132.5°	789.9	830.5	871.1	881.3	996.4	1150.0	1226.8	1358.6	1622.1	1819.8	1849.4
135°	827.4	864.4	901.5	910.7	1012.9	1149.0	1217.1	1327.4	1548.1	1713.7	1739.1
137.5°	865.8	902.5	939.2	948.3	1037.4	1156.0	1215.4	1308.7	1495.3	1635.2	1656.1
140°	897.6	931.4	965.2	973.6	1052.3	1157.2	1209.7	1290.3	1451.5	1572.3	1591.8
142.5°	922.1	953.4	984.6	992.4	1064.9	1161.4	1209.7	1280.5	1422.1	1528.2	1545.0
145°	959.7	986.9	1014.2	1021.0	1081.2	1161.4	1201.5	1259.4	1375.2	1462.1	1474.8
147.5°	997.3	1023.8	1050.4	1056.9	1105.2	1169.4	1201.5	1247.1	1338.2	1406.5	1417.1
150°	1021.8	1045.8	1069.8	1075.7	1117.6	1173.6	1201.5	1240.0	1316.9	1374.6	1383.1
152.5°	1047.1	1065.3	1083.4	1088.0	1125.8	1176.3	1201.5	1234.4	1300.1	1349.3	1355.7
155°	1084.7	1098.1	1111.6	1114.9	1143.8	1182.3	1201.5	1227.7	1279.9	1319.1	1323.4
157.5°	1112.5	1125.5	1138.6	1141.9	1161.7	1188.3	1201.5	1221.8	1262.5	1292.9	1295.9
160°	1131.3	1141.4	1151.6	1154.2	1170.0	1191.0	1201.5	1218.9	1253.8	1279.9	1281.7
162.5°	1150.0	1157.7	1165.2	1167.2	1178.6	1193.9	1201.5	1216.2	1245.6	1267.7	1269.3
165°	1170.5	1177.4	1184.2	1186.0	1191.2	1198.1	1201.5	1212.1	1233.0	1248.9	1250.6
167.5°	1189.2	1192.5	1195.8	1196.6	1201.0	1206.8	1209.7	1216.5	1230.3	1240.7	1241.4
170°	1201.5	1204.8	1208.1	1208.9	1209.2	1209.5	1209.7	1216.5	1230.3	1240.7	1240.7
172.5°	1208.0	1208.7	1209.5	1209.7	1209.7	1209.7	1209.7	1215.1	1226.0	1234.2	1233.6
175°	1217.1	1217.1	1217.1	1217.1	1214.6	1211.4	1209.7	1213.1	1220.0	1225.2	1225.2
177.5°	1217.1	1217.1	1217.1	1217.1	1215.1	1212.6	1211.4	1214.1	1219.5	1223.6	1222.9
180°	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1



TEST NUMBER: P934753

CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2
2.5°	2856.3	2848.4	2856.3	2851.1	2853.7	2845.8	2822.1	2814.2	2822.1	2830.0	2830.0
5°	2890.6	2885.3	2890.6	2890.6	2887.9	2882.7	2856.3	2851.1	2856.3	2859.0	2853.7
7.5°	2901.1	2893.2	2901.1	2895.8	2895.8	2890.6	2864.2	2859.0	2861.6	2869.5	2861.6
10°	2901.1	2893.2	2901.1	2898.5	2895.8	2890.6	2864.2	2853.7	2853.7	2861.6	2853.7
12.5°	2887.9	2882.7	2887.9	2882.7	2882.7	2877.4	2851.1	2840.5	2843.1	2845.8	2835.2
15°	2866.9	2859.0	2866.9	2861.6	2864.2	2856.3	2827.3	2816.8	2816.8	2822.1	2803.6
17.5°	2835.2	2824.7	2835.2	2832.6	2830.0	2824.7	2798.4	2787.8	2785.2	2787.8	2774.6
20°	2798.4	2790.5	2798.4	2795.7	2795.7	2785.2	2758.8	2745.7	2745.7	2745.7	2732.5
22.5°	2740.4	2732.5	2740.4	2745.7	2745.7	2743.0	2719.3	2700.9	2695.6	2695.6	2679.8
25°	2674.5	2666.6	2674.5	2674.5	2671.9	2674.5	2666.6	2656.1	2648.2	2640.3	2624.5
27.5°	2611.3	2606.0	2611.3	2606.0	2611.3	2603.4	2600.7	2598.1	2587.6	2579.7	2558.6
30°	2548.0	2542.8	2548.0	2542.8	2537.5	2532.2	2519.1	2513.8	2524.3	2519.1	2484.8
32.5°	2469.0	2463.7	2469.0	2469.0	2463.7	2463.7	2442.6	2434.7	2437.4	2453.2	2421.6
35°	2387.3	2379.4	2387.3	2384.7	2387.3	2379.4	2366.2	2363.6	2353.1	2371.5	2347.8
37.5°	2292.4	2284.5	2292.4	2292.4	2292.4	2297.6	2287.1	2279.2	2263.4	2287.1	2268.7
40°	2194.9	2184.3	2194.9	2192.2	2194.9	2200.1	2194.9	2189.6	2173.8	2192.2	2176.4
42.5°	2084.2	2081.6	2084.2	2086.8	2086.8	2097.4	2105.3	2094.7	2089.5	2076.3	2086.8
45°	1965.6	1960.4	1965.6	1970.9	1973.5	1978.8	2002.5	2002.5	1994.6	1973.5	1989.4
47.5°	1839.2	1826.0	1839.2	1855.0	1855.0	1862.9	1886.6	1905.0	1891.9	1865.5	1873.4
50°	1704.8	1707.4	1704.8	1715.3	1715.3	1744.3	1762.8	1781.2	1794.4	1762.8	1725.9
52.5°	1573.0	1570.4	1573.0	1580.9	1591.5	1604.7	1636.3	1654.7	1675.8	1657.4	1599.4
55°	1441.3	1446.6	1441.3	1443.9	1449.2	1457.1	1504.5	1523.0	1562.5	1538.8	1478.2
57.5°	1309.5	1301.6	1309.5	1314.8	1317.5	1325.4	1364.9	1399.1	1422.8	1425.5	1351.7
60°	1156.7	1146.2	1156.7	1180.4	1185.7	1191.0	1227.9	1259.5	1280.6	1288.5	1212.1
62.5°	1022.3	1003.9	1022.3	1038.2	1048.7	1061.9	1088.2	1135.6	1154.1	1156.7	1048.7
65°	880.1	872.2	880.1	911.7	914.3	930.1	959.1	993.4	1032.9	1027.6	872.2
67.5°	750.9	750.9	750.9	772.0	787.8	795.7	832.6	848.4	898.5	903.8	727.2
70°	632.4	629.7	632.4	648.2	658.7	677.2	711.4	729.9	769.4	782.6	590.2
72.5°	519.1	516.4	519.1	532.3	542.8	558.6	587.6	608.7	642.9	658.7	458.5
75°	418.9	413.7	418.9	429.5	426.9	447.9	471.6	492.7	524.3	534.9	339.9
77.5°	321.5	321.5	321.5	332.0	332.0	353.1	363.6	390.0	408.4	424.2	250.3
80°	239.8	237.1	239.8	242.4	242.4	253.0	271.4	289.8	305.6	305.6	171.3
82.5°	168.6	163.4	168.6	168.6	168.6	173.9	184.4	189.7	200.3	208.2	108.0
85°	105.4	105.4	105.4	108.0	105.4	110.7	113.3	118.6	118.6	113.3	65.9
87.5°	68.5	65.9	68.5	65.9	65.9	63.2	63.2	63.2	60.6	58.0	36.9
90°	31.0	31.0	31.0	31.0	31.0	41.4	55.2	62.1	53.4	35.9	22.8
92.5°	124.4	99.7	124.4	149.0	155.2	220.0	306.4	349.6	306.9	221.6	157.7
95°	433.4	358.6	433.4	508.1	526.8	691.8	911.9	1021.8	863.0	545.3	307.1
97.5°	1038.3	896.0	1038.3	1180.6	1216.2	1320.4	1459.5	1529.0	1264.2	734.6	337.4
100°	1496.0	1326.5	1496.0	1665.5	1707.9	1700.3	1690.1	1685.0	1391.1	803.5	362.7
102.5°	1946.2	1801.0	1946.2	2091.5	2127.8	1994.9	1817.7	1729.2	1431.1	835.0	387.9
105°	2520.3	2442.2	2520.3	2598.4	2617.9	2320.0	1922.9	1724.3	1435.7	858.5	425.5
107.5°	2896.3	2915.2	2896.3	2877.4	2872.7	2457.2	1903.3	1626.3	1371.8	862.8	481.1
110°	3039.6	3121.0	3039.6	2958.3	2938.0	2473.6	1854.3	1544.6	1315.2	856.3	512.1



TEST NUMBER: P934753

CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3052.4	3177.3	3052.4	2927.6	2896.4	2421.0	1787.2	1470.3	1265.7	856.6	549.7
115°	2971.5	3144.7	2971.5	2798.4	2755.1	2297.1	1686.5	1381.2	1209.0	864.4	606.0
117.5°	2799.8	2991.9	2799.8	2607.9	2559.8	2146.5	1595.4	1319.9	1173.4	880.5	660.7
120°	2661.6	2848.2	2661.6	2475.0	2428.3	2050.7	1547.1	1295.4	1161.5	893.6	692.6
122.5°	2526.9	2711.0	2526.9	2342.9	2296.8	1956.8	1503.3	1276.6	1155.2	912.4	730.2
125°	2334.8	2504.3	2334.8	2165.3	2122.9	1834.0	1448.8	1256.2	1150.0	937.7	778.4
127.5°	2162.0	2305.0	2162.0	2019.0	1983.2	1735.2	1404.5	1239.1	1147.1	963.1	825.0
130°	2060.1	2192.3	2060.1	1928.0	1894.9	1674.1	1379.7	1232.5	1148.8	981.5	856.0
132.5°	1967.7	2086.1	1967.7	1849.4	1819.8	1622.1	1358.6	1226.8	1150.0	996.4	881.3
135°	1841.2	1943.2	1841.2	1739.1	1713.7	1548.1	1327.4	1217.1	1149.0	1012.9	910.7
137.5°	1739.6	1823.1	1739.6	1656.1	1635.2	1495.3	1308.7	1215.4	1156.0	1037.4	948.3
140°	1669.9	1747.9	1669.9	1591.8	1572.3	1451.5	1290.3	1209.7	1157.2	1052.3	973.6
142.5°	1612.2	1679.3	1612.2	1545.0	1528.2	1422.1	1280.5	1209.7	1161.4	1064.9	992.4
145°	1525.6	1576.4	1525.6	1474.8	1462.1	1375.2	1259.4	1201.5	1161.4	1081.2	1021.0
147.5°	1459.1	1501.3	1459.1	1417.1	1406.5	1338.2	1247.1	1201.5	1169.4	1105.2	1056.9
150°	1417.3	1451.5	1417.3	1383.1	1374.6	1316.9	1240.0	1201.5	1173.6	1117.6	1075.7
152.5°	1381.6	1407.3	1381.6	1355.7	1349.3	1300.1	1234.4	1201.5	1176.3	1125.8	1088.0
155°	1340.5	1357.5	1340.5	1323.4	1319.1	1279.9	1227.7	1201.5	1182.3	1143.8	1114.9
157.5°	1308.0	1319.9	1308.0	1295.9	1292.9	1262.5	1221.8	1201.5	1188.3	1161.7	1141.9
160°	1288.6	1295.4	1288.6	1281.7	1279.9	1253.8	1218.9	1201.5	1191.0	1170.0	1154.2
162.5°	1275.8	1282.4	1275.8	1269.3	1267.7	1245.6	1216.2	1201.5	1193.9	1178.6	1167.2
165°	1257.5	1264.4	1257.5	1250.6	1248.9	1233.0	1212.1	1201.5	1198.1	1191.2	1186.0
167.5°	1244.4	1247.3	1244.4	1241.4	1240.7	1230.3	1216.5	1209.7	1206.8	1201.0	1196.6
170°	1240.7	1240.7	1240.7	1240.7	1240.7	1230.3	1216.5	1209.7	1209.5	1209.2	1208.9
172.5°	1231.0	1228.5	1231.0	1233.6	1234.2	1226.0	1215.1	1209.7	1209.7	1209.7	1209.7
175°	1225.2	1225.2	1225.2	1225.2	1225.2	1220.0	1213.1	1209.7	1211.4	1214.6	1217.1
177.5°	1220.0	1217.1	1220.0	1222.9	1223.6	1219.5	1214.1	1211.4	1212.6	1215.1	1217.1
180°	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1



TEST NUMBER: P934753

CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2
2.5°	2824.7	2808.9	2808.9	2782.5	2772.0	2764.1	2750.9	2711.4	2700.9	2690.3	2706.1
5°	2848.4	2819.4	2798.4	2750.9	2711.4	2695.6	2645.5	2550.7	2487.4	2440.0	2413.7
7.5°	2853.7	2816.8	2777.3	2703.5	2608.6	2566.5	2413.7	2239.7	2192.2	2150.1	2123.7
10°	2848.4	2806.3	2750.9	2640.3	2416.3	2342.5	2189.6	2076.3	2047.3	2039.4	2047.3
12.5°	2830.0	2790.5	2714.0	2529.6	2216.0	2165.9	2076.3	2010.4	2005.2	2018.3	2089.5
15°	2798.4	2761.5	2671.9	2382.0	2105.3	2068.4	2005.2	1981.4	2010.4	2102.7	2316.1
17.5°	2766.7	2724.6	2613.9	2237.0	2021.0	1994.6	1949.8	1997.3	2160.6	2284.5	2355.7
20°	2724.6	2674.5	2548.0	2131.6	1960.4	1936.7	1915.6	2129.0	2252.8	2297.6	2337.2
22.5°	2674.5	2621.8	2458.5	2057.9	1897.1	1878.7	1891.9	2202.8	2252.8	2284.5	2318.7
25°	2608.6	2563.8	2353.1	1999.9	1847.1	1826.0	1876.1	2194.9	2223.9	2231.8	2300.3
27.5°	2548.0	2490.1	2242.3	1947.2	1786.5	1778.6	1889.2	2160.6	2181.7	2189.6	2263.4
30°	2474.3	2387.3	2118.5	1891.9	1723.2	1720.6	1891.9	2118.5	2113.2	2134.3	2208.0
32.5°	2397.8	2234.4	1978.8	1823.4	1662.6	1660.0	1873.4	2055.2	2050.0	2078.9	2134.3
35°	2326.7	2115.8	1789.1	1744.3	1586.2	1588.8	1828.6	1981.4	1984.1	2010.4	2044.7
37.5°	2252.8	2013.1	1580.9	1657.4	1512.4	1512.4	1768.0	1912.9	1907.7	1915.6	1963.0
40°	2165.9	1852.3	1396.5	1544.1	1443.9	1436.0	1694.2	1839.2	1820.7	1818.1	1884.0
42.5°	2073.7	1675.8	1259.5	1393.9	1364.9	1354.3	1604.7	1749.6	1715.3	1723.2	1807.5
45°	1973.5	1628.4	1154.1	1177.8	1283.2	1275.3	1507.2	1646.8	1623.1	1644.2	1731.1
47.5°	1873.4	1533.5	1119.8	977.5	1196.2	1193.6	1399.1	1546.7	1533.5	1554.6	1646.8
50°	1736.4	1428.1	1117.2	837.9	1098.8	1109.3	1270.0	1449.2	1449.2	1467.6	1565.1
52.5°	1559.9	1299.0	1014.4	758.9	985.5	1017.1	1156.7	1364.9	1370.1	1388.6	1475.5
55°	1399.1	1164.6	940.7	698.2	851.1	919.6	1046.1	1277.9	1288.5	1306.9	1386.0
57.5°	1251.6	969.6	924.9	627.1	727.2	793.1	948.6	1193.6	1198.9	1214.7	1291.1
60°	1093.5	700.9	848.4	550.7	619.2	669.3	859.0	1093.5	1111.9	1122.5	1188.3
62.5°	914.3	508.5	769.4	498.0	566.5	577.0	785.2	998.6	1022.3	1030.2	1069.8
65°	650.8	426.9	653.5	453.2	511.2	513.8	706.2	901.1	922.2	935.4	964.4
67.5°	440.0	347.8	498.0	411.0	469.0	471.6	629.7	787.8	816.8	827.4	845.8
70°	305.6	231.9	368.9	366.3	421.6	426.9	548.1	685.1	711.4	719.3	729.9
72.5°	224.0	187.1	305.6	329.4	371.5	376.8	463.7	569.1	595.5	603.4	608.7
75°	171.3	197.6	247.7	287.2	316.2	318.8	379.4	463.7	482.2	487.5	490.1
77.5°	137.0	184.4	181.8	231.9	258.2	253.0	297.7	358.3	374.2	374.2	374.2
80°	102.8	144.9	137.0	166.0	189.7	184.4	213.4	255.6	260.9	266.1	263.5
82.5°	76.4	92.2	92.2	105.4	126.5	121.2	142.3	166.0	166.0	166.0	171.3
85°	47.4	52.7	42.2	55.3	71.1	68.5	79.0	89.6	92.2	92.2	87.0
87.5°	29.0	23.7	13.2	21.1	31.6	31.6	36.9	39.5	36.9	36.9	36.9
90°	21.2	14.7	8.2	14.7	21.2	22.8	35.9	53.4	62.1	55.2	41.4
92.5°	143.8	88.2	32.7	88.2	143.8	157.7	221.6	306.9	349.6	306.4	220.0
95°	281.8	180.1	78.4	180.1	281.8	307.1	545.3	863.0	1021.8	911.9	691.8
97.5°	315.0	225.3	135.6	225.3	315.0	337.4	734.6	1264.2	1529.0	1459.5	1320.4
100°	342.4	261.0	179.7	261.0	342.4	362.7	803.5	1391.1	1685.0	1690.1	1700.3
102.5°	369.0	293.2	217.3	293.2	369.0	387.9	835.0	1431.1	1729.2	1817.7	1994.9
105°	409.5	345.3	281.0	345.3	409.5	425.5	858.5	1435.7	1724.3	1922.9	2320.0
107.5°	466.1	406.2	346.3	406.2	466.1	481.1	862.8	1371.8	1626.3	1903.3	2457.2
110°	498.6	444.5	390.4	444.5	498.6	512.1	856.3	1315.2	1544.6	1854.3	2473.6



TEST NUMBER: P934753

CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	536.8	485.3	433.7	485.3	536.8	549.7	856.6	1265.7	1470.3	1787.2	2421.0
115°	594.2	546.6	499.1	546.6	594.2	606.0	864.4	1209.0	1381.2	1686.5	2297.1
117.5°	649.9	606.8	563.6	606.8	649.9	660.7	880.5	1173.4	1319.9	1595.4	2146.5
120°	682.4	641.9	601.2	641.9	682.4	692.6	893.6	1161.5	1295.4	1547.1	2050.7
122.5°	719.9	678.9	637.9	678.9	719.9	730.2	912.4	1155.2	1276.6	1503.3	1956.8
125°	769.1	731.7	694.3	731.7	769.1	778.4	937.7	1150.0	1256.2	1448.8	1834.0
127.5°	815.6	777.8	740.1	777.8	815.6	825.0	963.1	1147.1	1239.1	1404.5	1735.2
130°	845.8	805.2	764.6	805.2	845.8	856.0	981.5	1148.8	1232.5	1379.7	1674.1
132.5°	871.1	830.5	789.9	830.5	871.1	881.3	996.4	1150.0	1226.8	1358.6	1622.1
135°	901.5	864.4	827.4	864.4	901.5	910.7	1012.9	1149.0	1217.1	1327.4	1548.1
137.5°	939.2	902.5	865.8	902.5	939.2	948.3	1037.4	1156.0	1215.4	1308.7	1495.3
140°	965.2	931.4	897.6	931.4	965.2	973.6	1052.3	1157.2	1209.7	1290.3	1451.5
142.5°	984.6	953.4	922.1	953.4	984.6	992.4	1064.9	1161.4	1209.7	1280.5	1422.1
145°	1014.2	986.9	959.7	986.9	1014.2	1021.0	1081.2	1161.4	1201.5	1259.4	1375.2
147.5°	1050.4	1023.8	997.3	1023.8	1050.4	1056.9	1105.2	1169.4	1201.5	1247.1	1338.2
150°	1069.8	1045.8	1021.8	1045.8	1069.8	1075.7	1117.6	1173.6	1201.5	1240.0	1316.9
152.5°	1083.4	1065.3	1047.1	1065.3	1083.4	1088.0	1125.8	1176.3	1201.5	1234.4	1300.1
155°	1111.6	1098.1	1084.7	1098.1	1111.6	1114.9	1143.8	1182.3	1201.5	1227.7	1279.9
157.5°	1138.6	1125.5	1112.5	1125.5	1138.6	1141.9	1161.7	1188.3	1201.5	1221.8	1262.5
160°	1151.6	1141.4	1131.3	1141.4	1151.6	1154.2	1170.0	1191.0	1201.5	1218.9	1253.8
162.5°	1165.2	1157.7	1150.0	1157.7	1165.2	1167.2	1178.6	1193.9	1201.5	1216.2	1245.6
165°	1184.2	1177.4	1170.5	1177.4	1184.2	1186.0	1191.2	1198.1	1201.5	1212.1	1233.0
167.5°	1195.8	1192.5	1189.2	1192.5	1195.8	1196.6	1201.0	1206.8	1209.7	1216.5	1230.3
170°	1208.1	1204.8	1201.5	1204.8	1208.1	1208.9	1209.2	1209.5	1209.7	1216.5	1230.3
172.5°	1209.5	1208.7	1208.0	1208.7	1209.5	1209.7	1209.7	1209.7	1209.7	1215.1	1226.0
175°	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1214.6	1211.4	1209.7	1213.1	1220.0
177.5°	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1215.1	1212.6	1211.4	1214.1	1219.5
180°	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1



TEST NUMBER: P934753
 CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2
2.5°	2687.7	2679.8	2690.3	2661.3	2690.3	2679.8	2687.7	2706.1	2690.3	2700.9	2711.4
5°	2358.3	2345.2	2302.9	2268.7	2302.9	2345.2	2358.3	2413.7	2440.0	2487.4	2550.7
7.5°	2107.9	2097.4	2086.8	2065.8	2086.8	2097.4	2107.9	2123.7	2150.1	2192.2	2239.7
10°	2052.6	2055.2	2071.0	2068.4	2071.0	2055.2	2052.6	2047.3	2039.4	2047.3	2076.3
12.5°	2194.9	2218.6	2305.5	2300.3	2305.5	2218.6	2194.9	2089.5	2018.3	2005.2	2010.4
15°	2358.3	2366.2	2384.7	2387.3	2384.7	2366.2	2358.3	2316.1	2102.7	2010.4	1981.4
17.5°	2374.1	2376.8	2389.9	2389.9	2389.9	2376.8	2374.1	2355.7	2284.5	2160.6	1997.3
20°	2361.0	2366.2	2392.6	2397.8	2392.6	2366.2	2361.0	2337.2	2297.6	2252.8	2129.0
22.5°	2355.7	2366.2	2387.3	2384.7	2387.3	2366.2	2355.7	2318.7	2284.5	2252.8	2202.8
25°	2329.3	2329.3	2332.0	2334.6	2332.0	2329.3	2329.3	2300.3	2231.8	2223.9	2194.9
27.5°	2273.9	2279.2	2295.0	2292.4	2295.0	2279.2	2273.9	2263.4	2189.6	2181.7	2160.6
30°	2223.9	2218.6	2205.4	2194.9	2205.4	2218.6	2223.9	2208.0	2134.3	2113.2	2118.5
32.5°	2139.5	2126.4	2113.2	2105.3	2113.2	2126.4	2139.5	2134.3	2078.9	2050.0	2055.2
35°	2039.4	2042.0	2039.4	2031.5	2039.4	2042.0	2039.4	2044.7	2010.4	1984.1	1981.4
37.5°	1968.3	1973.5	1970.9	1960.4	1970.9	1973.5	1968.3	1963.0	1915.6	1907.7	1912.9
40°	1894.5	1897.1	1894.5	1886.6	1894.5	1897.1	1894.5	1884.0	1818.1	1820.7	1839.2
42.5°	1823.4	1820.7	1812.8	1807.5	1812.8	1820.7	1823.4	1807.5	1723.2	1715.3	1749.6
45°	1741.7	1744.3	1728.5	1720.6	1728.5	1744.3	1741.7	1731.1	1644.2	1623.1	1646.8
47.5°	1660.0	1660.0	1646.8	1638.9	1646.8	1660.0	1660.0	1646.8	1554.6	1533.5	1546.7
50°	1573.0	1570.4	1552.0	1549.3	1552.0	1570.4	1573.0	1565.1	1467.6	1449.2	1449.2
52.5°	1472.9	1472.9	1475.5	1480.8	1475.5	1472.9	1472.9	1475.5	1388.6	1370.1	1364.9
55°	1386.0	1388.6	1407.0	1412.3	1407.0	1388.6	1386.0	1386.0	1306.9	1288.5	1277.9
57.5°	1296.4	1296.4	1309.5	1309.5	1309.5	1296.4	1296.4	1291.1	1214.7	1198.9	1193.6
60°	1193.6	1198.9	1209.4	1206.8	1209.4	1198.9	1193.6	1188.3	1122.5	1111.9	1093.5
62.5°	1085.6	1090.8	1093.5	1088.2	1093.5	1090.8	1085.6	1069.8	1030.2	1022.3	998.6
65°	972.3	977.5	980.2	974.9	980.2	977.5	972.3	964.4	935.4	922.2	901.1
67.5°	856.3	853.7	851.1	861.6	851.1	853.7	856.3	845.8	827.4	816.8	787.8
70°	737.8	737.8	735.1	740.4	735.1	737.8	737.8	729.9	719.3	711.4	685.1
72.5°	611.3	608.7	619.2	611.3	619.2	608.7	611.3	608.7	603.4	595.5	569.1
75°	487.5	492.7	487.5	495.4	487.5	492.7	487.5	490.1	487.5	482.2	463.7
77.5°	371.5	376.8	371.5	371.5	371.5	376.8	371.5	374.2	374.2	374.2	358.3
80°	263.5	260.9	260.9	258.2	260.9	260.9	263.5	263.5	266.1	260.9	255.6
82.5°	168.6	166.0	166.0	171.3	166.0	166.0	168.6	171.3	166.0	166.0	166.0
85°	92.2	94.9	89.6	89.6	89.6	94.9	92.2	87.0	92.2	92.2	89.6
87.5°	34.3	31.6	31.6	31.6	31.6	31.6	34.3	36.9	36.9	36.9	39.5
90°	31.0	31.0	31.0	31.0	31.0	31.0	31.0	41.4	55.2	62.1	53.4
92.5°	155.2	149.0	124.4	99.7	124.4	149.0	155.2	220.0	306.4	349.6	306.9
95°	526.8	508.1	433.4	358.6	433.4	508.1	526.8	691.8	911.9	1021.8	863.0
97.5°	1216.2	1180.6	1038.3	896.0	1038.3	1180.6	1216.2	1320.4	1459.5	1529.0	1264.2
100°	1707.9	1665.5	1496.0	1326.5	1496.0	1665.5	1707.9	1700.3	1690.1	1685.0	1391.1
102.5°	2127.8	2091.5	1946.2	1801.0	1946.2	2091.5	2127.8	1994.9	1817.7	1729.2	1431.1
105°	2617.9	2598.4	2520.3	2442.2	2520.3	2598.4	2617.9	2320.0	1922.9	1724.3	1435.7
107.5°	2872.7	2877.4	2896.3	2915.2	2896.3	2877.4	2872.7	2457.2	1903.3	1626.3	1371.8
110°	2938.0	2958.3	3039.6	3121.0	3039.6	2958.3	2938.0	2473.6	1854.3	1544.6	1315.2



TEST NUMBER: P934753

CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2896.4	2927.6	3052.4	3177.3	3052.4	2927.6	2896.4	2421.0	1787.2	1470.3	1265.7
115°	2755.1	2798.4	2971.5	3144.7	2971.5	2798.4	2755.1	2297.1	1686.5	1381.2	1209.0
117.5°	2559.8	2607.9	2799.8	2991.9	2799.8	2607.9	2559.8	2146.5	1595.4	1319.9	1173.4
120°	2428.3	2475.0	2661.6	2848.2	2661.6	2475.0	2428.3	2050.7	1547.1	1295.4	1161.5
122.5°	2296.8	2342.9	2526.9	2711.0	2526.9	2342.9	2296.8	1956.8	1503.3	1276.6	1155.2
125°	2122.9	2165.3	2334.8	2504.3	2334.8	2165.3	2122.9	1834.0	1448.8	1256.2	1150.0
127.5°	1983.2	2019.0	2162.0	2305.0	2162.0	2019.0	1983.2	1735.2	1404.5	1239.1	1147.1
130°	1894.9	1928.0	2060.1	2192.3	2060.1	1928.0	1894.9	1674.1	1379.7	1232.5	1148.8
132.5°	1819.8	1849.4	1967.7	2086.1	1967.7	1849.4	1819.8	1622.1	1358.6	1226.8	1150.0
135°	1713.7	1739.1	1841.2	1943.2	1841.2	1739.1	1713.7	1548.1	1327.4	1217.1	1149.0
137.5°	1635.2	1656.1	1739.6	1823.1	1739.6	1656.1	1635.2	1495.3	1308.7	1215.4	1156.0
140°	1572.3	1591.8	1669.9	1747.9	1669.9	1591.8	1572.3	1451.5	1290.3	1209.7	1157.2
142.5°	1528.2	1545.0	1612.2	1679.3	1612.2	1545.0	1528.2	1422.1	1280.5	1209.7	1161.4
145°	1462.1	1474.8	1525.6	1576.4	1525.6	1474.8	1462.1	1375.2	1259.4	1201.5	1161.4
147.5°	1406.5	1417.1	1459.1	1501.3	1459.1	1417.1	1406.5	1338.2	1247.1	1201.5	1169.4
150°	1374.6	1383.1	1417.3	1451.5	1417.3	1383.1	1374.6	1316.9	1240.0	1201.5	1173.6
152.5°	1349.3	1355.7	1381.6	1407.3	1381.6	1355.7	1349.3	1300.1	1234.4	1201.5	1176.3
155°	1319.1	1323.4	1340.5	1357.5	1340.5	1323.4	1319.1	1279.9	1227.7	1201.5	1182.3
157.5°	1292.9	1295.9	1308.0	1319.9	1308.0	1295.9	1292.9	1262.5	1221.8	1201.5	1188.3
160°	1279.9	1281.7	1288.6	1295.4	1288.6	1281.7	1279.9	1253.8	1218.9	1201.5	1191.0
162.5°	1267.7	1269.3	1275.8	1282.4	1275.8	1269.3	1267.7	1245.6	1216.2	1201.5	1193.9
165°	1248.9	1250.6	1257.5	1264.4	1257.5	1250.6	1248.9	1233.0	1212.1	1201.5	1198.1
167.5°	1240.7	1241.4	1244.4	1247.3	1244.4	1241.4	1240.7	1230.3	1216.5	1209.7	1206.8
170°	1240.7	1240.7	1240.7	1240.7	1240.7	1240.7	1240.7	1230.3	1216.5	1209.7	1209.5
172.5°	1234.2	1233.6	1231.0	1228.5	1231.0	1233.6	1234.2	1226.0	1215.1	1209.7	1209.7
175°	1225.2	1225.2	1225.2	1225.2	1225.2	1225.2	1225.2	1220.0	1213.1	1209.7	1211.4
177.5°	1223.6	1222.9	1220.0	1217.1	1220.0	1222.9	1223.6	1219.5	1214.1	1211.4	1212.6
180°	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1



TEST NUMBER: P934753

CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2785.2	2785.2	2785.2	2785.2	2785.2
2.5°	2750.9	2764.1	2772.0	2782.5	2808.9
5°	2645.5	2695.6	2711.4	2750.9	2798.4
7.5°	2413.7	2566.5	2608.6	2703.5	2777.3
10°	2189.6	2342.5	2416.3	2640.3	2750.9
12.5°	2076.3	2165.9	2216.0	2529.6	2714.0
15°	2005.2	2068.4	2105.3	2382.0	2671.9
17.5°	1949.8	1994.6	2021.0	2237.0	2613.9
20°	1915.6	1936.7	1960.4	2131.6	2548.0
22.5°	1891.9	1878.7	1897.1	2057.9	2458.5
25°	1876.1	1826.0	1847.1	1999.9	2353.1
27.5°	1889.2	1778.6	1786.5	1947.2	2242.3
30°	1891.9	1720.6	1723.2	1891.9	2118.5
32.5°	1873.4	1660.0	1662.6	1823.4	1978.8
35°	1828.6	1588.8	1586.2	1744.3	1789.1
37.5°	1768.0	1512.4	1512.4	1657.4	1580.9
40°	1694.2	1436.0	1443.9	1544.1	1396.5
42.5°	1604.7	1354.3	1364.9	1393.9	1259.5
45°	1507.2	1275.3	1283.2	1177.8	1154.1
47.5°	1399.1	1193.6	1196.2	977.5	1119.8
50°	1270.0	1109.3	1098.8	837.9	1117.2
52.5°	1156.7	1017.1	985.5	758.9	1014.4
55°	1046.1	919.6	851.1	698.2	940.7
57.5°	948.6	793.1	727.2	627.1	924.9
60°	859.0	669.3	619.2	550.7	848.4
62.5°	785.2	577.0	566.5	498.0	769.4
65°	706.2	513.8	511.2	453.2	653.5
67.5°	629.7	471.6	469.0	411.0	498.0
70°	548.1	426.9	421.6	366.3	368.9
72.5°	463.7	376.8	371.5	329.4	305.6
75°	379.4	318.8	316.2	287.2	247.7
77.5°	297.7	253.0	258.2	231.9	181.8
80°	213.4	184.4	189.7	166.0	137.0
82.5°	142.3	121.2	126.5	105.4	92.2
85°	79.0	68.5	71.1	55.3	42.2
87.5°	36.9	31.6	31.6	21.1	13.2
90°	35.9	22.8	21.2	14.7	8.2
92.5°	221.6	157.7	143.8	88.2	32.7
95°	545.3	307.1	281.8	180.1	78.4
97.5°	734.6	337.4	315.0	225.3	135.6
100°	803.5	362.7	342.4	261.0	179.7
102.5°	835.0	387.9	369.0	293.2	217.3
105°	858.5	425.5	409.5	345.3	281.0
107.5°	862.8	481.1	466.1	406.2	346.3
110°	856.3	512.1	498.6	444.5	390.4



TEST NUMBER: P934753

CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	856.6	549.7	536.8	485.3	433.7
115°	864.4	606.0	594.2	546.6	499.1
117.5°	880.5	660.7	649.9	606.8	563.6
120°	893.6	692.6	682.4	641.9	601.2
122.5°	912.4	730.2	719.9	678.9	637.9
125°	937.7	778.4	769.1	731.7	694.3
127.5°	963.1	825.0	815.6	777.8	740.1
130°	981.5	856.0	845.8	805.2	764.6
132.5°	996.4	881.3	871.1	830.5	789.9
135°	1012.9	910.7	901.5	864.4	827.4
137.5°	1037.4	948.3	939.2	902.5	865.8
140°	1052.3	973.6	965.2	931.4	897.6
142.5°	1064.9	992.4	984.6	953.4	922.1
145°	1081.2	1021.0	1014.2	986.9	959.7
147.5°	1105.2	1056.9	1050.4	1023.8	997.3
150°	1117.6	1075.7	1069.8	1045.8	1021.8
152.5°	1125.8	1088.0	1083.4	1065.3	1047.1
155°	1143.8	1114.9	1111.6	1098.1	1084.7
157.5°	1161.7	1141.9	1138.6	1125.5	1112.5
160°	1170.0	1154.2	1151.6	1141.4	1131.3
162.5°	1178.6	1167.2	1165.2	1157.7	1150.0
165°	1191.2	1186.0	1184.2	1177.4	1170.5
167.5°	1201.0	1196.6	1195.8	1192.5	1189.2
170°	1209.2	1208.9	1208.1	1204.8	1201.5
172.5°	1209.7	1209.7	1209.5	1208.7	1208.0
175°	1214.6	1217.1	1217.1	1217.1	1217.1
177.5°	1215.1	1217.1	1217.1	1217.1	1217.1
180°	1217.1	1217.1	1217.1	1217.1	1217.1



TEST NUMBER: P934753
 CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-12-3000K

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	12.09	12.93	13.06	13.92	15.22	14.94	15.78	15.91	16.77	18.07
	3H	12.56	13.32	13.55	14.32	15.64	16.29	17.04	17.28	18.04	19.37
	4H	12.75	13.47	13.75	14.47	15.80	16.74	17.45	17.74	18.45	19.78
	6H	12.87	13.53	13.88	14.53	15.88	17.03	17.68	18.04	18.69	20.03
	8H	12.87	13.50	13.89	14.52	15.86	17.10	17.73	18.12	18.75	20.09
	12H	12.84	13.44	13.86	14.45	15.82	17.14	17.74	18.17	18.76	20.12
4H	2H	13.12	13.84	14.13	14.84	16.17	15.34	16.06	16.35	17.06	18.39
	3H	14.15	14.74	15.16	15.77	17.12	16.85	17.45	17.87	18.48	19.83
	4H	14.42	14.97	15.45	15.99	17.36	17.39	17.93	18.41	18.95	20.32
	6H	14.55	15.01	15.58	16.06	17.43	17.76	18.22	18.79	19.27	20.64
	8H	14.55	14.99	15.59	16.03	17.41	17.87	18.30	18.90	19.34	20.72
	12H	14.52	14.91	15.57	15.97	17.35	17.93	18.32	18.98	19.37	20.76
8H	4H	14.88	15.32	15.91	16.35	17.74	17.51	17.95	18.54	18.99	20.37
	6H	15.14	15.50	16.20	16.58	17.96	17.95	18.31	19.01	19.39	20.77
	8H	15.18	15.50	16.25	16.57	17.96	18.11	18.42	19.17	19.49	20.89
	12H	15.16	15.44	16.23	16.50	17.94	18.21	18.49	19.28	19.55	20.99
12H	4H	14.88	15.28	15.94	16.33	17.72	17.47	17.87	18.53	18.92	20.31
	6H	15.20	15.52	16.27	16.58	17.98	17.95	18.26	19.01	19.33	20.73
	8H	15.27	15.55	16.34	16.61	18.05	18.11	18.39	19.18	19.45	20.89