

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: P935765

Luminaire Tested: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-3000K

Issue Date: 12/17/2024

**Test Information**

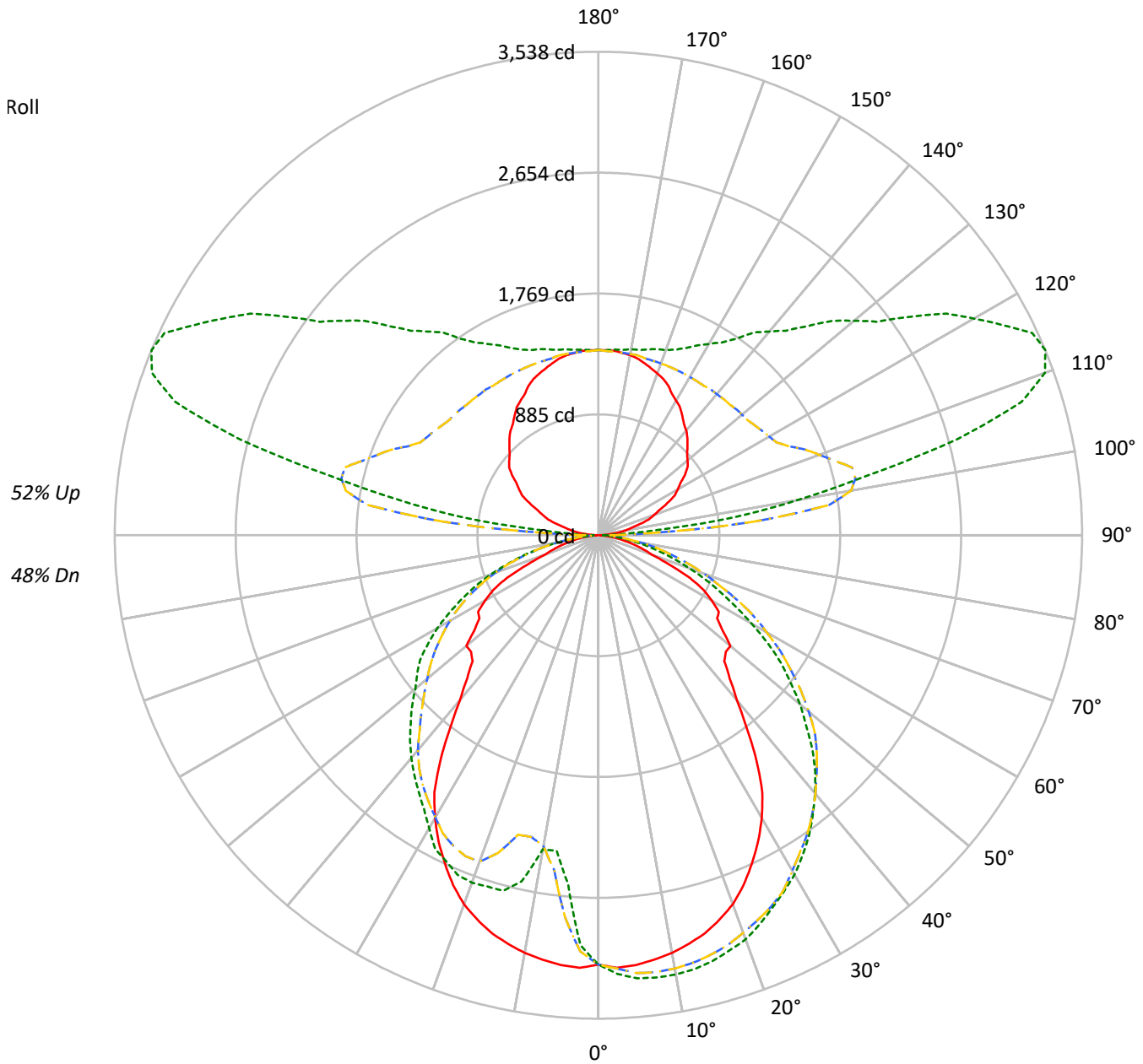
Test Method: LM-79-2019  
Report Number: P935765  
REPORT IS A COMBINATION OF REPORTS P933768 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-3000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16936.3 lumens  
Efficiency: N/A  
Efficacy: 112.6 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')  
CIE Type: General Diffuse  
  
Input Watts (W): 150.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P935765  
CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-3000K

### Luminous Intensity Polar Plot



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



TEST NUMBER: P935765

CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-3000K

**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	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	90	86	83	80	72	70	68	60	58	57	48	47	46	41	41	41	41
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	41	39	34	34	34	34
3	81	71	64	58	74	66	60	55	56	51	47	46	43	40	38	35	33	29	29	29	29
4	74	63	55	49	68	59	52	46	50	44	40	41	37	34	34	31	28	25	25	25	25
5	68	56	48	42	62	52	45	40	44	39	35	37	33	30	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	31	26	30	26	23	25	22	19	17	17	17	17
8	54	41	34	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	16	13	13	13	13
10	47	34	27	22	43	32	26	21	28	22	19	24	19	16	20	16	14	12	12	12	12

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	14577	14577	14577	14577
5°	14686	14715	14686	11570
10°	14588	14495	14588	10363
15°	14429	14180	14429	11841
20°	14127	13808	14127	11866
25°	13510	13266	13510	11615
30°	12712	12816	12712	11062
35°	11332	12246	11332	10456
40°	9443	11575	9443	9997
45°	8437	10790	8437	9470
50°	8963	9853	8963	8941
55°	8433	8845	8433	8635
60°	8693	7512	8693	7909
65°	7882	6210	7882	6941
70°	5457	4949	5457	5819
75°	4785	3657	4785	4380
80°	3857	2418	3857	2633
85°	2212	1281	2212	1089

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 12931 cd/sqm



TEST NUMBER: P935765

CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-3000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	283.6	1.7
10°-20°	805.2	4.8
20°-30°	1244.8	7.3
30°-40°	1486.0	8.8
40°-50°	1494.7	8.8
50°-60°	1300.5	7.7
60°-70°	922.1	5.4
70°-80°	487.9	2.9
80°-90°	126.7	0.7
90°-100°	660.6	3.9
100°-110°	1736.7	10.3
110°-120°	1800.7	10.6
120°-130°	1444.4	8.5
130°-140°	1133.3	6.7
140°-150°	869.9	5.1
150°-160°	626.5	3.7
160°-170°	383.3	2.3
170°-180°	129.5	0.8
0°-30°	2333.6	13.8
0°-40°	3819.6	22.6
0°-60°	6614.8	39.1
0°-90°	8151.4	48.1
90°-120°	4198.0	24.8
90°-150°	7645.6	45.1
90°-180°	8785.0	51.9
0°-180°	16936.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3142	3142	3142	3142	3142	
5°	3157	3255	3157	2559	3157	299
15°	3014	3225	3014	2693	3014	848
25°	2654	3008	2654	2634	2654	1219
35°	2018	2684	2018	2292	2018	1249
45°	1302	2212	1302	1941	1302	1043
55°	1061	1632	1061	1593	1061	975
65°	737	984	737	1100	737	705
75°	279	467	279	559	279	294
85°	48	119	48	101	48	64
90°	9	34	9	34	9	10
95°	87	399	87	399	87	97
105°	313	2719	313	2719	313	332
115°	556	3502	556	3502	556	549
125°	773	2788	773	2788	773	686
135°	921	2164	921	2164	921	713
145°	1069	1755	1069	1755	1069	669
155°	1208	1512	1208	1512	1208	555
165°	1303	1408	1303	1408	1303	368
175°	1355	1364	1355	1364	1355	129
180°	1355	1355	1355	1355	1355	



TEST NUMBER: P935765

CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-3000K

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9
2.5°	3168.6	3168.6	3186.4	3192.4	3192.4	3183.5	3174.5	3183.5	3210.2	3219.1	3216.2
5°	3156.7	3180.5	3213.2	3219.1	3225.0	3222.1	3216.2	3222.1	3251.8	3257.8	3260.8
7.5°	3132.9	3177.5	3219.1	3228.0	3237.0	3228.0	3225.0	3231.0	3260.8	3266.7	3266.7
10°	3103.2	3165.7	3213.2	3219.1	3228.0	3219.1	3219.1	3231.0	3260.8	3266.7	3269.7
12.5°	3061.6	3147.7	3192.4	3198.3	3210.2	3207.2	3204.3	3216.2	3245.8	3251.8	3251.8
15°	3014.1	3115.1	3156.7	3162.7	3183.5	3177.5	3177.5	3189.4	3222.1	3231.0	3228.0
17.5°	2948.6	3073.4	3121.0	3129.9	3144.8	3141.9	3144.8	3156.7	3186.4	3192.4	3195.3
20°	2874.3	3017.0	3073.4	3082.4	3097.2	3097.2	3097.2	3112.1	3141.9	3153.7	3153.7
22.5°	2773.2	2957.6	3017.0	3022.9	3040.8	3040.8	3046.7	3067.6	3094.3	3097.2	3097.2
25°	2654.4	2892.2	2942.7	2960.5	2978.3	2987.3	2996.2	3008.1	3017.0	3014.1	3017.0
27.5°	2529.5	2808.9	2874.3	2886.2	2910.0	2918.9	2930.8	2933.8	2936.8	2945.6	2939.7
30°	2389.9	2693.0	2791.1	2803.0	2841.7	2847.5	2835.7	2841.7	2856.5	2862.5	2868.4
32.5°	2232.3	2520.6	2704.9	2731.7	2767.4	2749.5	2746.5	2755.4	2779.2	2779.2	2785.2
35°	2018.2	2386.9	2624.6	2648.4	2675.1	2654.4	2666.3	2669.2	2684.1	2693.0	2690.1
37.5°	1783.5	2270.9	2541.5	2559.3	2580.1	2553.3	2571.1	2580.1	2592.0	2586.0	2586.0
40°	1575.4	2089.6	2443.3	2455.2	2473.0	2452.2	2470.0	2476.0	2482.0	2476.0	2473.0
42.5°	1420.8	1890.5	2339.3	2354.1	2342.3	2357.1	2363.1	2374.9	2366.1	2354.1	2354.1
45°	1301.9	1837.0	2226.3	2244.1	2226.3	2250.1	2259.1	2259.1	2232.3	2226.3	2223.3
47.5°	1263.3	1729.9	2113.4	2113.4	2104.5	2134.2	2149.0	2128.2	2101.5	2092.6	2092.6
50°	1260.3	1611.1	1958.8	1946.9	1988.6	2024.2	2009.4	1988.6	1967.7	1935.1	1935.1
52.5°	1144.3	1465.4	1759.7	1804.3	1869.6	1890.5	1866.7	1845.8	1810.2	1795.3	1783.5
55°	1061.2	1313.9	1578.4	1667.5	1735.9	1762.7	1718.0	1697.2	1643.7	1634.9	1628.9
57.5°	1043.3	1093.8	1411.9	1524.8	1608.1	1605.1	1578.4	1539.7	1495.1	1486.2	1483.3
60°	957.1	790.6	1233.6	1367.3	1453.5	1444.6	1420.8	1385.2	1343.5	1337.6	1331.7
62.5°	867.9	573.7	1031.4	1183.0	1304.9	1301.9	1281.1	1227.6	1197.9	1183.0	1171.1
65°	737.2	481.6	734.2	983.9	1159.3	1165.2	1120.6	1082.0	1049.2	1031.4	1028.5
67.5°	561.8	392.3	496.4	820.4	1019.5	1013.6	957.1	939.3	897.7	888.8	870.9
70°	416.1	261.6	344.8	665.8	882.8	867.9	823.3	802.6	763.9	743.1	731.2
72.5°	344.8	211.1	252.7	517.2	743.1	725.3	686.7	662.9	630.2	612.4	600.4
75°	279.4	222.9	193.2	383.5	603.4	591.5	555.9	532.1	505.3	481.6	484.5
77.5°	205.1	208.1	154.6	282.4	478.6	460.8	439.9	410.2	398.3	374.5	374.5
80°	154.6	163.5	115.9	193.2	344.8	344.8	327.0	306.2	285.4	273.5	273.5
82.5°	104.0	104.0	86.2	121.9	234.9	225.9	214.0	208.1	196.2	190.2	190.2
85°	47.5	59.5	53.5	74.3	127.8	133.8	133.8	127.8	124.8	118.9	121.9
87.5°	14.8	26.8	32.7	41.6	65.4	68.3	71.3	71.3	71.3	74.3	74.3
90°	9.1	16.4	23.6	25.5	40.1	59.5	69.1	61.4	46.0	34.5	34.5
92.5°	36.4	98.2	160.1	175.6	246.8	341.7	389.3	341.1	245.0	172.8	165.9
95°	87.3	200.5	313.7	342.0	607.3	960.9	1137.8	1015.3	770.4	586.6	565.8
97.5°	151.0	250.8	350.7	375.6	818.0	1407.7	1702.6	1625.2	1470.4	1354.3	1314.6
100°	200.1	290.6	381.2	403.8	894.6	1549.1	1876.3	1881.9	1893.3	1901.8	1854.6
102.5°	241.9	326.4	410.9	432.0	929.9	1593.6	1925.4	2024.0	2221.3	2369.2	2328.8
105°	312.9	384.4	455.9	473.8	955.9	1598.6	1920.0	2141.0	2583.3	2914.9	2893.2
107.5°	385.7	452.3	519.0	535.7	960.7	1527.5	1810.8	2119.3	2736.1	3198.7	3204.0
110°	434.8	495.0	555.3	570.3	953.5	1464.4	1719.9	2064.7	2754.3	3271.4	3294.1



TEST NUMBER: P935765

CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	483.0	540.3	597.8	612.1	953.7	1409.3	1637.1	1990.0	2695.7	3225.0	3259.8
115°	555.7	608.7	661.5	674.8	962.5	1346.2	1538.0	1877.9	2557.8	3067.7	3115.9
117.5°	627.5	675.7	723.7	735.8	980.4	1306.6	1469.7	1776.5	2390.1	2850.4	2903.8
120°	669.4	714.7	759.9	771.2	994.9	1293.3	1442.4	1722.8	2283.4	2703.9	2755.8
122.5°	710.3	756.0	801.6	813.0	1015.8	1286.3	1421.5	1674.0	2178.9	2557.5	2608.7
125°	773.1	814.7	856.3	866.7	1044.0	1280.6	1398.8	1613.3	2042.1	2363.8	2410.9
127.5°	824.0	866.1	908.1	918.6	1072.3	1277.2	1379.7	1563.8	1932.1	2208.2	2248.0
130°	851.2	896.6	941.8	953.1	1092.9	1279.2	1372.4	1536.3	1864.2	2110.0	2146.8
132.5°	879.4	924.8	970.0	981.3	1109.6	1280.6	1366.0	1512.8	1806.2	2026.3	2059.3
135°	921.3	962.5	1003.8	1014.1	1127.7	1279.3	1355.1	1478.0	1723.8	1908.1	1936.5
137.5°	964.0	1004.9	1045.7	1055.9	1155.1	1287.2	1353.3	1457.2	1665.0	1820.8	1844.1
140°	999.5	1037.1	1074.7	1084.1	1171.7	1288.6	1347.0	1436.7	1616.2	1750.8	1772.5
142.5°	1026.8	1061.6	1096.3	1105.0	1185.6	1293.2	1347.0	1425.7	1583.4	1701.6	1720.3
145°	1068.6	1098.9	1129.3	1136.9	1203.9	1293.2	1337.8	1402.3	1531.3	1628.0	1642.2
147.5°	1110.5	1140.0	1169.5	1176.9	1230.6	1302.1	1337.8	1388.6	1490.0	1566.2	1577.9
150°	1137.8	1164.5	1191.2	1197.8	1244.5	1306.7	1337.8	1380.7	1466.4	1530.7	1540.2
152.5°	1165.9	1186.1	1206.3	1211.4	1253.6	1309.7	1337.8	1374.5	1447.6	1502.5	1509.7
155°	1207.8	1222.8	1237.7	1241.5	1273.6	1316.4	1337.8	1367.0	1425.2	1468.9	1473.6
157.5°	1238.8	1253.2	1267.8	1271.4	1293.6	1323.1	1337.8	1360.5	1405.7	1439.7	1443.0
160°	1259.7	1271.0	1282.3	1285.1	1302.7	1326.1	1337.8	1357.2	1396.1	1425.1	1427.1
162.5°	1280.6	1289.0	1297.5	1299.6	1312.4	1329.3	1337.8	1354.2	1386.9	1411.5	1413.4
165°	1303.3	1311.0	1318.7	1320.6	1326.3	1334.0	1337.8	1349.6	1373.0	1390.6	1392.5
167.5°	1324.2	1327.8	1331.5	1332.4	1337.2	1343.7	1347.0	1354.6	1370.0	1381.5	1382.3
170°	1337.8	1341.5	1345.2	1346.1	1346.3	1346.8	1347.0	1354.6	1370.0	1381.5	1381.5
172.5°	1345.1	1345.9	1346.8	1347.0	1347.0	1347.0	1347.0	1353.0	1365.1	1374.3	1373.6
175°	1355.1	1355.1	1355.1	1355.1	1352.4	1348.8	1347.0	1350.8	1358.5	1364.3	1364.3
177.5°	1355.1	1355.1	1355.1	1355.1	1353.0	1350.2	1348.8	1351.8	1357.9	1362.4	1361.6
180°	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1



TEST NUMBER: P935765

CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9
2.5°	3222.1	3213.2	3222.1	3216.2	3219.1	3210.2	3183.5	3174.5	3183.5	3192.4	3192.4
5°	3260.8	3254.8	3260.8	3260.8	3257.8	3251.8	3222.1	3216.2	3222.1	3225.0	3219.1
7.5°	3272.6	3263.7	3272.6	3266.7	3266.7	3260.8	3231.0	3225.0	3228.0	3237.0	3228.0
10°	3272.6	3263.7	3272.6	3269.7	3266.7	3260.8	3231.0	3219.1	3219.1	3228.0	3219.1
12.5°	3257.8	3251.8	3257.8	3251.8	3251.8	3245.8	3216.2	3204.3	3207.2	3210.2	3198.3
15°	3234.0	3225.0	3234.0	3228.0	3231.0	3222.1	3189.4	3177.5	3177.5	3183.5	3162.7
17.5°	3198.3	3186.4	3198.3	3195.3	3192.4	3186.4	3156.7	3144.8	3141.9	3144.8	3129.9
20°	3156.7	3147.7	3156.7	3153.7	3153.7	3141.9	3112.1	3097.2	3097.2	3097.2	3082.4
22.5°	3091.3	3082.4	3091.3	3097.2	3097.2	3094.3	3067.6	3046.7	3040.8	3040.8	3022.9
25°	3017.0	3008.1	3017.0	3017.0	3014.1	3017.0	3008.1	2996.2	2987.3	2978.3	2960.5
27.5°	2945.6	2939.7	2945.6	2939.7	2945.6	2936.8	2933.8	2930.8	2918.9	2910.0	2886.2
30°	2874.3	2868.4	2874.3	2868.4	2862.5	2856.5	2841.7	2835.7	2847.5	2841.7	2803.0
32.5°	2785.2	2779.2	2785.2	2785.2	2779.2	2779.2	2755.4	2746.5	2749.5	2767.4	2731.7
35°	2693.0	2684.1	2693.0	2690.1	2693.0	2684.1	2669.2	2666.3	2654.4	2675.1	2648.4
37.5°	2586.0	2577.1	2586.0	2586.0	2586.0	2592.0	2580.1	2571.1	2553.3	2580.1	2559.3
40°	2476.0	2464.2	2476.0	2473.0	2476.0	2482.0	2476.0	2470.0	2452.2	2473.0	2455.2
42.5°	2351.2	2348.2	2351.2	2354.1	2354.1	2366.1	2374.9	2363.1	2357.1	2342.3	2354.1
45°	2217.4	2211.5	2217.4	2223.3	2226.3	2232.3	2259.1	2259.1	2250.1	2226.3	2244.1
47.5°	2074.7	2059.9	2074.7	2092.6	2092.6	2101.5	2128.2	2149.0	2134.2	2104.5	2113.4
50°	1923.1	1926.1	1923.1	1935.1	1935.1	1967.7	1988.6	2009.4	2024.2	1988.6	1946.9
52.5°	1774.5	1771.5	1774.5	1783.5	1795.3	1810.2	1845.8	1866.7	1890.5	1869.6	1804.3
55°	1625.9	1631.9	1625.9	1628.9	1634.9	1643.7	1697.2	1718.0	1762.7	1735.9	1667.5
57.5°	1477.3	1468.3	1477.3	1483.3	1486.2	1495.1	1539.7	1578.4	1605.1	1608.1	1524.8
60°	1304.9	1293.0	1304.9	1331.7	1337.6	1343.5	1385.2	1420.8	1444.6	1453.5	1367.3
62.5°	1153.3	1132.5	1153.3	1171.1	1183.0	1197.9	1227.6	1281.1	1301.9	1304.9	1183.0
65°	992.7	983.9	992.7	1028.5	1031.4	1049.2	1082.0	1120.6	1165.2	1159.3	983.9
67.5°	847.1	847.1	847.1	870.9	888.8	897.7	939.3	957.1	1013.6	1019.5	820.4
70°	713.4	710.4	713.4	731.2	743.1	763.9	802.6	823.3	867.9	882.8	665.8
72.5°	585.6	582.6	585.6	600.4	612.4	630.2	662.9	686.7	725.3	743.1	517.2
75°	472.6	466.6	472.6	484.5	481.6	505.3	532.1	555.9	591.5	603.4	383.5
77.5°	362.7	362.7	362.7	374.5	374.5	398.3	410.2	439.9	460.8	478.6	282.4
80°	270.5	267.5	270.5	273.5	273.5	285.4	306.2	327.0	344.8	344.8	193.2
82.5°	190.2	184.3	190.2	190.2	190.2	196.2	208.1	214.0	225.9	234.9	121.9
85°	118.9	118.9	118.9	121.9	118.9	124.8	127.8	133.8	133.8	127.8	74.3
87.5°	77.3	74.3	77.3	74.3	74.3	71.3	71.3	71.3	68.3	65.4	41.6
90°	34.5	34.5	34.5	34.5	34.5	46.0	61.4	69.1	59.5	40.1	25.5
92.5°	138.4	110.9	138.4	165.9	172.8	245.0	341.1	389.3	341.7	246.8	175.6
95°	482.5	399.3	482.5	565.8	586.6	770.4	1015.3	1137.8	960.9	607.3	342.0
97.5°	1156.2	997.7	1156.2	1314.6	1354.3	1470.4	1625.2	1702.6	1407.7	818.0	375.6
100°	1665.8	1477.0	1665.8	1854.6	1901.8	1893.3	1881.9	1876.3	1549.1	894.6	403.8
102.5°	2167.1	2005.4	2167.1	2328.8	2369.2	2221.3	2024.0	1925.4	1593.6	929.9	432.0
105°	2806.3	2719.4	2806.3	2893.2	2914.9	2583.3	2141.0	1920.0	1598.6	955.9	473.8
107.5°	3224.9	3245.9	3224.9	3204.0	3198.7	2736.1	2119.3	1810.8	1527.5	960.7	535.7
110°	3384.6	3475.2	3384.6	3294.1	3271.4	2754.3	2064.7	1719.9	1464.4	953.5	570.3





TEST NUMBER: P935765

CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3398.8	3537.9	3398.8	3259.8	3225.0	2695.7	1990.0	1637.1	1409.3	953.7	612.1
115°	3308.7	3501.5	3308.7	3115.9	3067.7	2557.8	1877.9	1538.0	1346.2	962.5	674.8
117.5°	3117.6	3331.5	3117.6	2903.8	2850.4	2390.1	1776.5	1469.7	1306.6	980.4	735.8
120°	2963.7	3171.4	2963.7	2755.8	2703.9	2283.4	1722.8	1442.4	1293.3	994.9	771.2
122.5°	2813.7	3018.6	2813.7	2608.7	2557.5	2178.9	1674.0	1421.5	1286.3	1015.8	813.0
125°	2599.8	2788.5	2599.8	2410.9	2363.8	2042.1	1613.3	1398.8	1280.6	1044.0	866.7
127.5°	2407.3	2566.6	2407.3	2248.0	2208.2	1932.1	1563.8	1379.7	1277.2	1072.3	918.6
130°	2293.9	2441.1	2293.9	2146.8	2110.0	1864.2	1536.3	1372.4	1279.2	1092.9	953.1
132.5°	2191.1	2322.8	2191.1	2059.3	2026.3	1806.2	1512.8	1366.0	1280.6	1109.6	981.3
135°	2050.1	2163.7	2050.1	1936.5	1908.1	1723.8	1478.0	1355.1	1279.3	1127.7	1014.1
137.5°	1937.0	2030.0	1937.0	1844.1	1820.8	1665.0	1457.2	1353.3	1287.2	1155.1	1055.9
140°	1859.5	1946.3	1859.5	1772.5	1750.8	1616.2	1436.7	1347.0	1288.6	1171.7	1084.1
142.5°	1795.1	1869.9	1795.1	1720.3	1701.6	1583.4	1425.7	1347.0	1293.2	1185.6	1105.0
145°	1698.7	1755.3	1698.7	1642.2	1628.0	1531.3	1402.3	1337.8	1293.2	1203.9	1136.9
147.5°	1624.8	1671.7	1624.8	1577.9	1566.2	1490.0	1388.6	1337.8	1302.1	1230.6	1176.9
150°	1578.2	1616.2	1578.2	1540.2	1530.7	1466.4	1380.7	1337.8	1306.7	1244.5	1197.8
152.5°	1538.3	1567.1	1538.3	1509.7	1502.5	1447.6	1374.5	1337.8	1309.7	1253.6	1211.4
155°	1492.6	1511.6	1492.6	1473.6	1468.9	1425.2	1367.0	1337.8	1316.4	1273.6	1241.5
157.5°	1456.4	1469.7	1456.4	1443.0	1439.7	1405.7	1360.5	1337.8	1323.1	1293.6	1271.4
160°	1434.7	1442.4	1434.7	1427.1	1425.1	1396.1	1357.2	1337.8	1326.1	1302.7	1285.1
162.5°	1420.7	1427.9	1420.7	1413.4	1411.5	1386.9	1354.2	1337.8	1329.3	1312.4	1299.6
165°	1400.2	1407.9	1400.2	1392.5	1390.6	1373.0	1349.6	1337.8	1334.0	1326.3	1320.6
167.5°	1385.5	1388.8	1385.5	1382.3	1381.5	1370.0	1354.6	1347.0	1343.7	1337.2	1332.4
170°	1381.5	1381.5	1381.5	1381.5	1381.5	1370.0	1354.6	1347.0	1346.8	1346.3	1346.1
172.5°	1370.7	1367.9	1370.7	1373.6	1374.3	1365.1	1353.0	1347.0	1347.0	1347.0	1347.0
175°	1364.3	1364.3	1364.3	1364.3	1364.3	1358.5	1350.8	1347.0	1348.8	1352.4	1355.1
177.5°	1358.4	1355.1	1358.4	1361.6	1362.4	1357.9	1351.8	1348.8	1350.2	1353.0	1355.1
180°	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1



TEST NUMBER: P935765

CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9
2.5°	3186.4	3168.6	3168.6	3138.9	3127.0	3118.1	3103.2	3058.6	3046.7	3034.8	3052.7
5°	3213.2	3180.5	3156.7	3103.2	3058.6	3040.8	2984.3	2877.3	2806.0	2752.4	2722.7
7.5°	3219.1	3177.5	3132.9	3049.7	2942.7	2895.1	2722.7	2526.5	2473.0	2425.5	2395.7
10°	3213.2	3165.7	3103.2	2978.3	2725.7	2642.5	2470.0	2342.3	2309.6	2300.6	2309.6
12.5°	3192.4	3147.7	3061.6	2853.5	2499.8	2443.3	2342.3	2267.9	2262.0	2276.9	2357.1
15°	3156.7	3115.1	3014.1	2687.1	2374.9	2333.4	2262.0	2235.3	2267.9	2372.0	2612.8
17.5°	3121.0	3073.4	2948.6	2523.6	2279.8	2250.1	2199.6	2253.1	2437.4	2577.1	2657.3
20°	3073.4	3017.0	2874.3	2404.7	2211.5	2184.7	2161.0	2401.7	2541.5	2592.0	2636.6
22.5°	3017.0	2957.6	2773.2	2321.4	2140.2	2119.3	2134.2	2485.0	2541.5	2577.1	2615.8
25°	2942.7	2892.2	2654.4	2256.1	2083.7	2059.9	2116.4	2476.0	2508.7	2517.6	2594.9
27.5°	2874.3	2808.9	2529.5	2196.6	2015.3	2006.4	2131.2	2437.4	2461.2	2470.0	2553.3
30°	2791.1	2693.0	2389.9	2134.2	1943.9	1941.0	2134.2	2389.9	2383.9	2407.7	2490.9
32.5°	2704.9	2520.6	2232.3	2056.9	1875.6	1872.6	2113.4	2318.5	2312.6	2345.2	2407.7
35°	2624.6	2386.9	2018.2	1967.7	1789.4	1792.3	2062.9	2235.3	2238.3	2267.9	2306.6
37.5°	2541.5	2270.9	1783.5	1869.6	1706.2	1706.2	1994.4	2158.0	2152.0	2161.0	2214.5
40°	2443.3	2089.6	1575.4	1741.8	1628.9	1619.9	1911.3	2074.7	2053.9	2051.0	2125.3
42.5°	2339.3	1890.5	1420.8	1572.4	1539.7	1527.8	1810.2	1973.7	1935.1	1943.9	2039.1
45°	2226.3	1837.0	1301.9	1328.7	1447.5	1438.7	1700.2	1857.8	1831.0	1854.8	1952.9
47.5°	2113.4	1729.9	1263.3	1102.8	1349.5	1346.5	1578.4	1744.8	1729.9	1753.7	1857.8
50°	1958.8	1611.1	1260.3	945.2	1239.5	1251.4	1432.7	1634.9	1634.9	1655.6	1765.6
52.5°	1759.7	1465.4	1144.3	856.1	1111.7	1147.3	1304.9	1539.7	1545.6	1566.4	1664.6
55°	1578.4	1313.9	1061.2	787.7	960.1	1037.4	1180.1	1441.6	1453.5	1474.3	1563.5
57.5°	1411.9	1093.8	1043.3	707.5	820.4	894.7	1070.0	1346.5	1352.4	1370.3	1456.5
60°	1233.6	790.6	957.1	621.2	698.5	755.0	969.0	1233.6	1254.4	1266.2	1340.6
62.5°	1031.4	573.7	867.9	561.8	639.1	651.0	885.8	1126.5	1153.3	1162.3	1206.8
65°	734.2	481.6	737.2	511.3	576.6	579.6	796.6	1016.5	1040.3	1055.2	1087.9
67.5°	496.4	392.3	561.8	463.7	529.1	532.1	710.4	888.8	921.4	933.4	954.2
70°	344.8	261.6	416.1	413.2	475.6	481.6	618.2	772.8	802.6	811.5	823.3
72.5°	252.7	211.1	344.8	371.5	419.1	425.1	523.1	642.0	671.7	680.7	686.7
75°	193.2	222.9	279.4	324.0	356.7	359.7	428.0	523.1	543.9	549.9	552.9
77.5°	154.6	208.1	205.1	261.6	291.3	285.4	335.9	404.3	422.1	422.1	422.1
80°	115.9	163.5	154.6	187.3	214.0	208.1	240.7	288.3	294.2	300.2	297.2
82.5°	86.2	104.0	104.0	118.9	142.6	136.8	160.6	187.3	187.3	187.3	193.2
85°	53.5	59.5	47.5	62.4	80.3	77.3	89.1	101.1	104.0	104.0	98.1
87.5°	32.7	26.8	14.8	23.8	35.7	35.7	41.6	44.6	41.6	41.6	41.6
90°	23.6	16.4	9.1	16.4	23.6	25.5	40.1	59.5	69.1	61.4	46.0
92.5°	160.1	98.2	36.4	98.2	160.1	175.6	246.8	341.7	389.3	341.1	245.0
95°	313.7	200.5	87.3	200.5	313.7	342.0	607.3	960.9	1137.8	1015.3	770.4
97.5°	350.7	250.8	151.0	250.8	350.7	375.6	818.0	1407.7	1702.6	1625.2	1470.4
100°	381.2	290.6	200.1	290.6	381.2	403.8	894.6	1549.1	1876.3	1881.9	1893.3
102.5°	410.9	326.4	241.9	326.4	410.9	432.0	929.9	1593.6	1925.4	2024.0	2221.3
105°	455.9	384.4	312.9	384.4	455.9	473.8	955.9	1598.6	1920.0	2141.0	2583.3
107.5°	519.0	452.3	385.7	452.3	519.0	535.7	960.7	1527.5	1810.8	2119.3	2736.1
110°	555.3	495.0	434.8	495.0	555.3	570.3	953.5	1464.4	1719.9	2064.7	2754.3



TEST NUMBER: P935765

CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	597.8	540.3	483.0	540.3	597.8	612.1	953.7	1409.3	1637.1	1990.0	2695.7
115°	661.5	608.7	555.7	608.7	661.5	674.8	962.5	1346.2	1538.0	1877.9	2557.8
117.5°	723.7	675.7	627.5	675.7	723.7	735.8	980.4	1306.6	1469.7	1776.5	2390.1
120°	759.9	714.7	669.4	714.7	759.9	771.2	994.9	1293.3	1442.4	1722.8	2283.4
122.5°	801.6	756.0	710.3	756.0	801.6	813.0	1015.8	1286.3	1421.5	1674.0	2178.9
125°	856.3	814.7	773.1	814.7	856.3	866.7	1044.0	1280.6	1398.8	1613.3	2042.1
127.5°	908.1	866.1	824.0	866.1	908.1	918.6	1072.3	1277.2	1379.7	1563.8	1932.1
130°	941.8	896.6	851.2	896.6	941.8	953.1	1092.9	1279.2	1372.4	1536.3	1864.2
132.5°	970.0	924.8	879.4	924.8	970.0	981.3	1109.6	1280.6	1366.0	1512.8	1806.2
135°	1003.8	962.5	921.3	962.5	1003.8	1014.1	1127.7	1279.3	1355.1	1478.0	1723.8
137.5°	1045.7	1004.9	964.0	1004.9	1045.7	1055.9	1155.1	1287.2	1353.3	1457.2	1665.0
140°	1074.7	1037.1	999.5	1037.1	1074.7	1084.1	1171.7	1288.6	1347.0	1436.7	1616.2
142.5°	1096.3	1061.6	1026.8	1061.6	1096.3	1105.0	1185.6	1293.2	1347.0	1425.7	1583.4
145°	1129.3	1098.9	1068.6	1098.9	1129.3	1136.9	1203.9	1293.2	1337.8	1402.3	1531.3
147.5°	1169.5	1140.0	1110.5	1140.0	1169.5	1176.9	1230.6	1302.1	1337.8	1388.6	1490.0
150°	1191.2	1164.5	1137.8	1164.5	1191.2	1197.8	1244.5	1306.7	1337.8	1380.7	1466.4
152.5°	1206.3	1186.1	1165.9	1186.1	1206.3	1211.4	1253.6	1309.7	1337.8	1374.5	1447.6
155°	1237.7	1222.8	1207.8	1222.8	1237.7	1241.5	1273.6	1316.4	1337.8	1367.0	1425.2
157.5°	1267.8	1253.2	1238.8	1253.2	1267.8	1271.4	1293.6	1323.1	1337.8	1360.5	1405.7
160°	1282.3	1271.0	1259.7	1271.0	1282.3	1285.1	1302.7	1326.1	1337.8	1357.2	1396.1
162.5°	1297.5	1289.0	1280.6	1289.0	1297.5	1299.6	1312.4	1329.3	1337.8	1354.2	1386.9
165°	1318.7	1311.0	1303.3	1311.0	1318.7	1320.6	1326.3	1334.0	1337.8	1349.6	1373.0
167.5°	1331.5	1327.8	1324.2	1327.8	1331.5	1332.4	1337.2	1343.7	1347.0	1354.6	1370.0
170°	1345.2	1341.5	1337.8	1341.5	1345.2	1346.1	1346.3	1346.8	1347.0	1354.6	1370.0
172.5°	1346.8	1345.9	1345.1	1345.9	1346.8	1347.0	1347.0	1347.0	1347.0	1353.0	1365.1
175°	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1352.4	1348.8	1347.0	1350.8	1358.5
177.5°	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1353.0	1350.2	1348.8	1351.8	1357.9
180°	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1



TEST NUMBER: P935765

CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9
2.5°	3031.9	3022.9	3034.8	3002.1	3034.8	3022.9	3031.9	3052.7	3034.8	3046.7	3058.6
5°	2660.3	2645.4	2597.9	2559.3	2597.9	2645.4	2660.3	2722.7	2752.4	2806.0	2877.3
7.5°	2377.9	2366.1	2354.1	2330.4	2354.1	2366.1	2377.9	2395.7	2425.5	2473.0	2526.5
10°	2315.6	2318.5	2336.3	2333.4	2336.3	2318.5	2315.6	2309.6	2300.6	2309.6	2342.3
12.5°	2476.0	2502.8	2600.8	2594.9	2600.8	2502.8	2476.0	2357.1	2276.9	2262.0	2267.9
15°	2660.3	2669.2	2690.1	2693.0	2690.1	2669.2	2660.3	2612.8	2372.0	2267.9	2235.3
17.5°	2678.1	2681.1	2695.9	2695.9	2695.9	2681.1	2678.1	2657.3	2577.1	2437.4	2253.1
20°	2663.3	2669.2	2698.9	2704.9	2698.9	2669.2	2663.3	2636.6	2592.0	2541.5	2401.7
22.5°	2657.3	2669.2	2693.0	2690.1	2693.0	2669.2	2657.3	2615.8	2577.1	2541.5	2485.0
25°	2627.6	2627.6	2630.6	2633.6	2630.6	2627.6	2627.6	2594.9	2517.6	2508.7	2476.0
27.5°	2565.2	2571.1	2589.0	2586.0	2589.0	2571.1	2565.2	2553.3	2470.0	2461.2	2437.4
30°	2508.7	2502.8	2487.9	2476.0	2487.9	2502.8	2508.7	2490.9	2407.7	2383.9	2389.9
32.5°	2413.6	2398.7	2383.9	2374.9	2383.9	2398.7	2413.6	2407.7	2345.2	2312.6	2318.5
35°	2300.6	2303.6	2300.6	2291.8	2300.6	2303.6	2300.6	2306.6	2267.9	2238.3	2235.3
37.5°	2220.4	2226.3	2223.3	2211.5	2223.3	2226.3	2220.4	2214.5	2161.0	2152.0	2158.0
40°	2137.2	2140.2	2137.2	2128.2	2137.2	2140.2	2137.2	2125.3	2051.0	2053.9	2074.7
42.5°	2056.9	2053.9	2045.0	2039.1	2045.0	2053.9	2056.9	2039.1	1943.9	1935.1	1973.7
45°	1964.8	1967.7	1949.9	1941.0	1949.9	1967.7	1964.8	1952.9	1854.8	1831.0	1857.8
47.5°	1872.6	1872.6	1857.8	1848.8	1857.8	1872.6	1872.6	1857.8	1753.7	1729.9	1744.8
50°	1774.5	1771.5	1750.7	1747.8	1750.7	1771.5	1774.5	1765.6	1655.6	1634.9	1634.9
52.5°	1661.6	1661.6	1664.6	1670.5	1664.6	1661.6	1661.6	1664.6	1566.4	1545.6	1539.7
55°	1563.5	1566.4	1587.3	1593.2	1587.3	1566.4	1563.5	1563.5	1474.3	1453.5	1441.6
57.5°	1462.5	1462.5	1477.3	1477.3	1477.3	1462.5	1462.5	1456.5	1370.3	1352.4	1346.5
60°	1346.5	1352.4	1364.4	1361.4	1364.4	1352.4	1346.5	1340.6	1266.2	1254.4	1233.6
62.5°	1224.6	1230.6	1233.6	1227.6	1233.6	1230.6	1224.6	1206.8	1162.3	1153.3	1126.5
65°	1096.8	1102.8	1105.8	1099.8	1105.8	1102.8	1096.8	1087.9	1055.2	1040.3	1016.5
67.5°	966.0	963.1	960.1	972.0	960.1	963.1	966.0	954.2	933.4	921.4	888.8
70°	832.3	832.3	829.3	835.3	829.3	832.3	832.3	823.3	811.5	802.6	772.8
72.5°	689.6	686.7	698.5	689.6	698.5	686.7	689.6	686.7	680.7	671.7	642.0
75°	549.9	555.9	549.9	558.8	549.9	555.9	549.9	552.9	549.9	543.9	523.1
77.5°	419.1	425.1	419.1	419.1	419.1	425.1	419.1	422.1	422.1	422.1	404.3
80°	297.2	294.2	294.2	291.3	294.2	294.2	297.2	297.2	300.2	294.2	288.3
82.5°	190.2	187.3	187.3	193.2	187.3	187.3	190.2	193.2	187.3	187.3	187.3
85°	104.0	107.0	101.1	101.1	101.1	107.0	104.0	98.1	104.0	104.0	101.1
87.5°	38.6	35.7	35.7	35.7	35.7	35.7	38.6	41.6	41.6	41.6	44.6
90°	34.5	34.5	34.5	34.5	34.5	34.5	34.5	46.0	61.4	69.1	59.5
92.5°	172.8	165.9	138.4	110.9	138.4	165.9	172.8	245.0	341.1	389.3	341.7
95°	586.6	565.8	482.5	399.3	482.5	565.8	586.6	770.4	1015.3	1137.8	960.9
97.5°	1354.3	1314.6	1156.2	997.7	1156.2	1314.6	1354.3	1470.4	1625.2	1702.6	1407.7
100°	1901.8	1854.6	1665.8	1477.0	1665.8	1854.6	1901.8	1893.3	1881.9	1876.3	1549.1
102.5°	2369.2	2328.8	2167.1	2005.4	2167.1	2328.8	2369.2	2221.3	2024.0	1925.4	1593.6
105°	2914.9	2893.2	2806.3	2719.4	2806.3	2893.2	2914.9	2583.3	2141.0	1920.0	1598.6
107.5°	3198.7	3204.0	3224.9	3245.9	3224.9	3204.0	3198.7	2736.1	2119.3	1810.8	1527.5
110°	3271.4	3294.1	3384.6	3475.2	3384.6	3294.1	3271.4	2754.3	2064.7	1719.9	1464.4



TEST NUMBER: P935765

CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3225.0	3259.8	3398.8	3537.9	3398.8	3259.8	3225.0	2695.7	1990.0	1637.1	1409.3
115°	3067.7	3115.9	3308.7	3501.5	3308.7	3115.9	3067.7	2557.8	1877.9	1538.0	1346.2
117.5°	2850.4	2903.8	3117.6	3331.5	3117.6	2903.8	2850.4	2390.1	1776.5	1469.7	1306.6
120°	2703.9	2755.8	2963.7	3171.4	2963.7	2755.8	2703.9	2283.4	1722.8	1442.4	1293.3
122.5°	2557.5	2608.7	2813.7	3018.6	2813.7	2608.7	2557.5	2178.9	1674.0	1421.5	1286.3
125°	2363.8	2410.9	2599.8	2788.5	2599.8	2410.9	2363.8	2042.1	1613.3	1398.8	1280.6
127.5°	2208.2	2248.0	2407.3	2566.6	2407.3	2248.0	2208.2	1932.1	1563.8	1379.7	1277.2
130°	2110.0	2146.8	2293.9	2441.1	2293.9	2146.8	2110.0	1864.2	1536.3	1372.4	1279.2
132.5°	2026.3	2059.3	2191.1	2322.8	2191.1	2059.3	2026.3	1806.2	1512.8	1366.0	1280.6
135°	1908.1	1936.5	2050.1	2163.7	2050.1	1936.5	1908.1	1723.8	1478.0	1355.1	1279.3
137.5°	1820.8	1844.1	1937.0	2030.0	1937.0	1844.1	1820.8	1665.0	1457.2	1353.3	1287.2
140°	1750.8	1772.5	1859.5	1946.3	1859.5	1772.5	1750.8	1616.2	1436.7	1347.0	1288.6
142.5°	1701.6	1720.3	1795.1	1869.9	1795.1	1720.3	1701.6	1583.4	1425.7	1347.0	1293.2
145°	1628.0	1642.2	1698.7	1755.3	1698.7	1642.2	1628.0	1531.3	1402.3	1337.8	1293.2
147.5°	1566.2	1577.9	1624.8	1671.7	1624.8	1577.9	1566.2	1490.0	1388.6	1337.8	1302.1
150°	1530.7	1540.2	1578.2	1616.2	1578.2	1540.2	1530.7	1466.4	1380.7	1337.8	1306.7
152.5°	1502.5	1509.7	1538.3	1567.1	1538.3	1509.7	1502.5	1447.6	1374.5	1337.8	1309.7
155°	1468.9	1473.6	1492.6	1511.6	1492.6	1473.6	1468.9	1425.2	1367.0	1337.8	1316.4
157.5°	1439.7	1443.0	1456.4	1469.7	1456.4	1443.0	1439.7	1405.7	1360.5	1337.8	1323.1
160°	1425.1	1427.1	1434.7	1442.4	1434.7	1427.1	1425.1	1396.1	1357.2	1337.8	1326.1
162.5°	1411.5	1413.4	1420.7	1427.9	1420.7	1413.4	1411.5	1386.9	1354.2	1337.8	1329.3
165°	1390.6	1392.5	1400.2	1407.9	1400.2	1392.5	1390.6	1373.0	1349.6	1337.8	1334.0
167.5°	1381.5	1382.3	1385.5	1388.8	1385.5	1382.3	1381.5	1370.0	1354.6	1347.0	1343.7
170°	1381.5	1381.5	1381.5	1381.5	1381.5	1381.5	1381.5	1370.0	1354.6	1347.0	1346.8
172.5°	1374.3	1373.6	1370.7	1367.9	1370.7	1373.6	1374.3	1365.1	1353.0	1347.0	1347.0
175°	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1358.5	1350.8	1347.0	1348.8
177.5°	1362.4	1361.6	1358.4	1355.1	1358.4	1361.6	1362.4	1357.9	1351.8	1348.8	1350.2
180°	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1



TEST NUMBER: P935765

CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	3141.9	3141.9	3141.9	3141.9	3141.9
2.5°	3103.2	3118.1	3127.0	3138.9	3168.6
5°	2984.3	3040.8	3058.6	3103.2	3156.7
7.5°	2722.7	2895.1	2942.7	3049.7	3132.9
10°	2470.0	2642.5	2725.7	2978.3	3103.2
12.5°	2342.3	2443.3	2499.8	2853.5	3061.6
15°	2262.0	2333.4	2374.9	2687.1	3014.1
17.5°	2199.6	2250.1	2279.8	2523.6	2948.6
20°	2161.0	2184.7	2211.5	2404.7	2874.3
22.5°	2134.2	2119.3	2140.2	2321.4	2773.2
25°	2116.4	2059.9	2083.7	2256.1	2654.4
27.5°	2131.2	2006.4	2015.3	2196.6	2529.5
30°	2134.2	1941.0	1943.9	2134.2	2389.9
32.5°	2113.4	1872.6	1875.6	2056.9	2232.3
35°	2062.9	1792.3	1789.4	1967.7	2018.2
37.5°	1994.4	1706.2	1706.2	1869.6	1783.5
40°	1911.3	1619.9	1628.9	1741.8	1575.4
42.5°	1810.2	1527.8	1539.7	1572.4	1420.8
45°	1700.2	1438.7	1447.5	1328.7	1301.9
47.5°	1578.4	1346.5	1349.5	1102.8	1263.3
50°	1432.7	1251.4	1239.5	945.2	1260.3
52.5°	1304.9	1147.3	1111.7	856.1	1144.3
55°	1180.1	1037.4	960.1	787.7	1061.2
57.5°	1070.0	894.7	820.4	707.5	1043.3
60°	969.0	755.0	698.5	621.2	957.1
62.5°	885.8	651.0	639.1	561.8	867.9
65°	796.6	579.6	576.6	511.3	737.2
67.5°	710.4	532.1	529.1	463.7	561.8
70°	618.2	481.6	475.6	413.2	416.1
72.5°	523.1	425.1	419.1	371.5	344.8
75°	428.0	359.7	356.7	324.0	279.4
77.5°	335.9	285.4	291.3	261.6	205.1
80°	240.7	208.1	214.0	187.3	154.6
82.5°	160.6	136.8	142.6	118.9	104.0
85°	89.1	77.3	80.3	62.4	47.5
87.5°	41.6	35.7	35.7	23.8	14.8
90°	40.1	25.5	23.6	16.4	9.1
92.5°	246.8	175.6	160.1	98.2	36.4
95°	607.3	342.0	313.7	200.5	87.3
97.5°	818.0	375.6	350.7	250.8	151.0
100°	894.6	403.8	381.2	290.6	200.1
102.5°	929.9	432.0	410.9	326.4	241.9
105°	955.9	473.8	455.9	384.4	312.9
107.5°	960.7	535.7	519.0	452.3	385.7
110°	953.5	570.3	555.3	495.0	434.8



TEST NUMBER: P935765

CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	953.7	612.1	597.8	540.3	483.0
115°	962.5	674.8	661.5	608.7	555.7
117.5°	980.4	735.8	723.7	675.7	627.5
120°	994.9	771.2	759.9	714.7	669.4
122.5°	1015.8	813.0	801.6	756.0	710.3
125°	1044.0	866.7	856.3	814.7	773.1
127.5°	1072.3	918.6	908.1	866.1	824.0
130°	1092.9	953.1	941.8	896.6	851.2
132.5°	1109.6	981.3	970.0	924.8	879.4
135°	1127.7	1014.1	1003.8	962.5	921.3
137.5°	1155.1	1055.9	1045.7	1004.9	964.0
140°	1171.7	1084.1	1074.7	1037.1	999.5
142.5°	1185.6	1105.0	1096.3	1061.6	1026.8
145°	1203.9	1136.9	1129.3	1098.9	1068.6
147.5°	1230.6	1176.9	1169.5	1140.0	1110.5
150°	1244.5	1197.8	1191.2	1164.5	1137.8
152.5°	1253.6	1211.4	1206.3	1186.1	1165.9
155°	1273.6	1241.5	1237.7	1222.8	1207.8
157.5°	1293.6	1271.4	1267.8	1253.2	1238.8
160°	1302.7	1285.1	1282.3	1271.0	1259.7
162.5°	1312.4	1299.6	1297.5	1289.0	1280.6
165°	1326.3	1320.6	1318.7	1311.0	1303.3
167.5°	1337.2	1332.4	1331.5	1327.8	1324.2
170°	1346.3	1346.1	1345.2	1341.5	1337.8
172.5°	1347.0	1347.0	1346.8	1345.9	1345.1
175°	1352.4	1355.1	1355.1	1355.1	1355.1
177.5°	1353.0	1355.1	1355.1	1355.1	1355.1
180°	1355.1	1355.1	1355.1	1355.1	1355.1



TEST NUMBER: P935765  
 CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-8-3000K

**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	13.94	14.79	14.91	15.77	17.07	16.78	17.62	17.75	18.61	19.91
	3H	14.42	15.17	15.40	16.17	17.49	18.13	18.88	19.11	19.88	21.20
	4H	14.61	15.32	15.60	16.32	17.65	18.57	19.29	19.57	20.29	21.61
	6H	14.73	15.39	15.73	16.39	17.73	18.86	19.52	19.86	20.52	21.86
	8H	14.73	15.35	15.74	16.37	17.71	18.93	19.56	19.95	20.58	21.92
	12H	14.70	15.29	15.72	16.31	17.67	18.97	19.57	19.99	20.58	21.94
4H	2H	14.97	15.69	15.98	16.69	18.02	17.19	17.90	18.19	18.90	20.23
	3H	16.00	16.60	17.01	17.62	18.97	18.69	19.29	19.71	20.32	21.66
	4H	16.27	16.82	17.30	17.84	19.21	19.22	19.77	20.24	20.79	22.15
	6H	16.40	16.87	17.43	17.91	19.27	19.59	20.06	20.62	21.10	22.46
	8H	16.40	16.84	17.44	17.88	19.26	19.70	20.13	20.73	21.17	22.55
	12H	16.37	16.77	17.42	17.82	19.20	19.75	20.15	20.80	21.20	22.58
8H	4H	16.73	17.17	17.76	18.20	19.58	19.34	19.78	20.38	20.82	22.20
	6H	16.99	17.35	18.05	18.43	19.80	19.78	20.14	20.84	21.22	22.60
	8H	17.03	17.35	18.10	18.41	19.81	19.94	20.25	21.00	21.32	22.71
	12H	17.01	17.30	18.08	18.35	19.79	20.03	20.31	21.10	21.37	22.81
12H	4H	16.73	17.13	17.78	18.18	19.56	19.31	19.70	20.36	20.76	22.14
	6H	17.05	17.37	18.11	18.43	19.83	19.78	20.10	20.84	21.16	22.55
	8H	17.12	17.40	18.18	18.45	19.89	19.94	20.22	21.01	21.28	22.71