

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: P936152

Luminaire Tested: SQ4-FA-150U-125D-930-1D-UNV-STD-W-8

Issue Date: 12/17/2024

**Test Information**

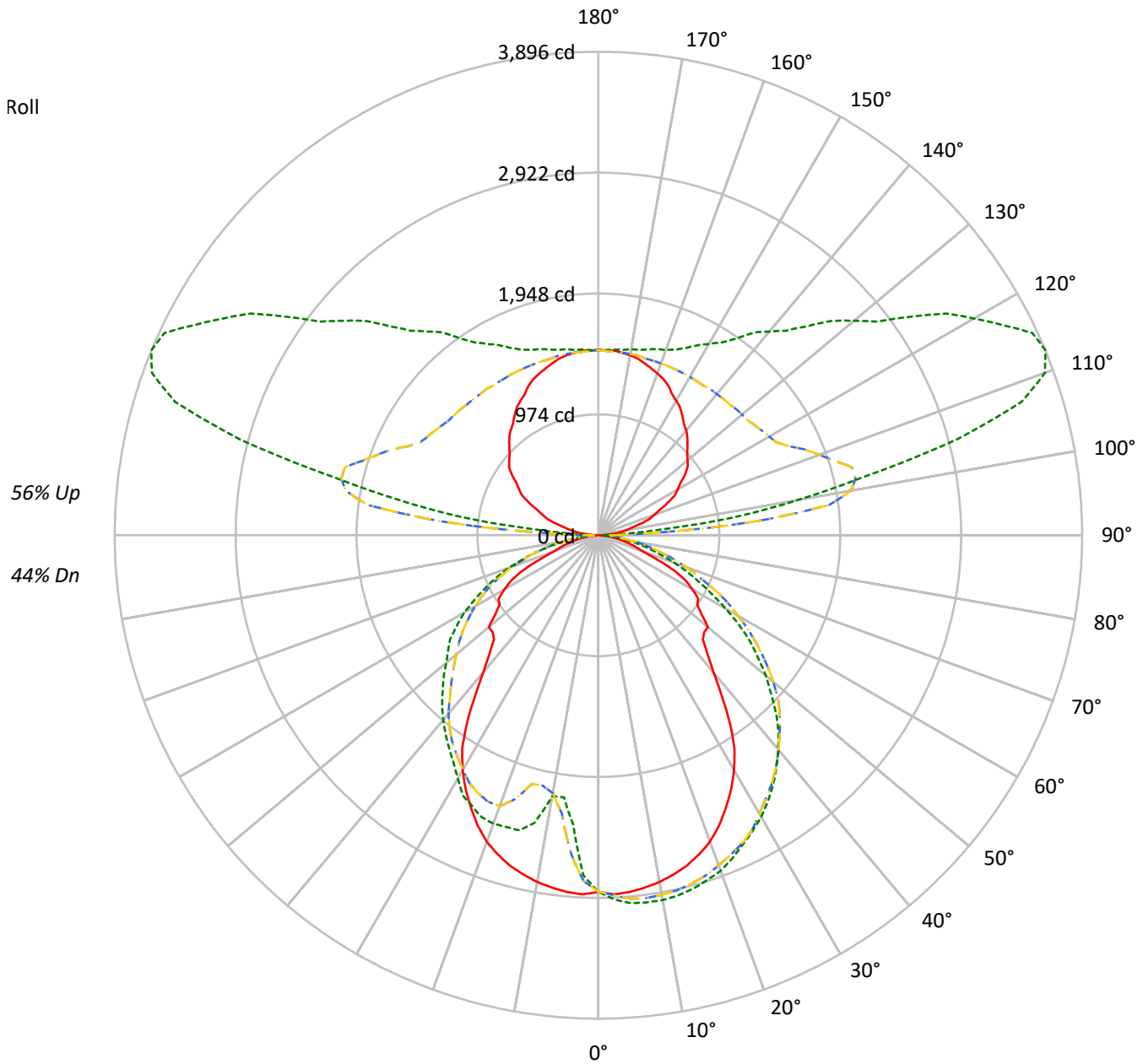
Test Method: LM-79-2019  
Report Number: P936152  
REPORT IS A COMBINATION OF REPORTS P933784 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-125D-930-1D-UNV-STD-W-8  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17128.8 lumens  
Efficiency: N/A  
Efficacy: 102.9 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): 166.4  
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

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CATALOG NUMBER: SQ4-FA-150U-125D-930-1D-UNV-STD-W-8

### Luminous Intensity Polar Plot



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



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				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	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50	44			44
1	96	92	88	85	88	84	81	78	70	68	66	57	55	54	44	43	42	37			37
2	88	80	74	69	80	74	69	64	61	58	54	50	47	45	39	37	36	31			31
3	80	71	63	58	73	65	59	54	54	49	46	44	41	38	35	32	30	26			26
4	73	63	55	49	67	57	51	45	48	43	39	39	35	32	31	28	26	22			22
5	67	56	48	42	61	51	44	39	43	37	33	35	31	28	28	25	23	19			19
6	62	50	42	36	56	46	39	34	39	33	29	32	28	24	25	22	20	17			17
7	57	45	37	31	52	41	34	29	35	29	25	29	25	22	23	20	18	15			15
8	53	41	33	28	48	38	31	26	32	26	23	26	22	19	21	18	16	13			13
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12			12
10	46	34	27	22	42	31	25	21	27	22	18	22	18	16	18	15	13	11			11

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

	0°	90°	180°	270°
0°	13327	13327	13327	13327
5°	13427	13453	13427	10579
10°	13337	13252	13337	9474
15°	13192	12965	13192	10826
20°	12916	12625	12916	10849
25°	12351	12129	12351	10619
30°	11622	11717	11622	10114
35°	10360	11196	10360	9559
40°	8633	10583	8633	9140
45°	7714	9865	7714	8658
50°	8194	9009	8194	8175
55°	7710	8086	7710	7895
60°	7947	6868	7947	7230
65°	7206	5677	7206	6346
70°	4990	4524	4990	5320
75°	4374	3344	4374	4005
80°	3525	2211	3525	2408
85°	2022	1171	2022	995

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 11822 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	259.3	1.5
10°-20°	736.2	4.3
20°-30°	1138.0	6.6
30°-40°	1358.6	7.9
40°-50°	1366.5	8.0
50°-60°	1189.0	6.9
60°-70°	843.1	4.9
70°-80°	446.0	2.6
80°-90°	116.8	0.7
90°-100°	727.5	4.2
100°-110°	1912.7	11.2
110°-120°	1983.2	11.6
120°-130°	1590.8	9.3
130°-140°	1248.2	7.3
140°-150°	958.1	5.6
150°-160°	690.0	4.0
160°-170°	422.2	2.5
170°-180°	142.6	0.8
0°-30°	2133.5	12.5
0°-40°	3492.1	20.4
0°-60°	6047.7	35.3
0°-90°	7453.5	43.5
90°-120°	4623.4	27.0
90°-150°	8420.5	49.2
90°-180°	9675.0	56.5
0°-180°	17128.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2872	2872	2872	2872	2872	
5°	2886	2976	2886	2340	2886	274
15°	2756	2948	2756	2462	2756	775
25°	2427	2750	2427	2408	2427	1114
35°	1845	2454	1845	2095	1845	1142
45°	1190	2022	1190	1774	1190	953
55°	970	1492	970	1457	970	891
65°	674	900	674	1006	674	644
75°	255	427	255	511	255	269
85°	43	109	43	92	43	59
90°	10	38	10	38	10	10
95°	96	440	96	440	96	107
105°	345	2995	345	2995	345	365
115°	612	3856	612	3856	612	604
125°	851	3071	851	3071	851	756
135°	1015	2383	1015	2383	1015	785
145°	1177	1933	1177	1933	1177	737
155°	1330	1665	1330	1665	1330	611
165°	1435	1551	1435	1551	1435	405
175°	1492	1502	1492	1502	1492	142
180°	1492	1492	1492	1492	1492	



TEST NUMBER: P936152

CATALOG NUMBER: SQ4-FA-150U-125D-930-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5
2.5°	2896.9	2896.9	2913.2	2918.7	2918.7	2910.6	2902.4	2910.6	2935.0	2943.2	2940.4
5°	2886.1	2907.8	2937.7	2943.2	2948.5	2945.9	2940.4	2945.9	2973.0	2978.5	2981.2
7.5°	2864.3	2905.1	2943.2	2951.3	2959.5	2951.3	2948.5	2954.0	2981.2	2986.6	2986.6
10°	2837.2	2894.3	2937.7	2943.2	2951.3	2943.2	2943.2	2954.0	2981.2	2986.6	2989.3
12.5°	2799.1	2877.9	2918.7	2924.1	2935.0	2932.2	2929.6	2940.4	2967.6	2973.0	2973.0
15°	2755.7	2848.0	2886.1	2891.5	2910.6	2905.1	2905.1	2915.9	2945.9	2954.0	2951.3
17.5°	2695.8	2809.9	2853.5	2861.6	2875.2	2872.5	2875.2	2886.1	2913.2	2918.7	2921.4
20°	2627.9	2758.3	2809.9	2818.1	2831.7	2831.7	2831.7	2845.3	2872.5	2883.3	2883.3
22.5°	2535.5	2704.0	2758.3	2763.8	2780.1	2780.1	2785.5	2804.6	2829.0	2831.7	2831.7
25°	2426.8	2644.2	2690.4	2706.7	2723.0	2731.2	2739.4	2750.2	2758.3	2755.7	2758.3
27.5°	2312.6	2568.1	2627.9	2638.7	2660.5	2668.7	2679.5	2682.3	2685.0	2693.1	2687.6
30°	2185.0	2462.2	2551.8	2562.7	2598.0	2603.4	2592.6	2598.0	2611.6	2617.1	2622.4
32.5°	2040.9	2304.5	2473.0	2497.5	2530.1	2513.8	2511.1	2519.2	2540.9	2540.9	2546.4
35°	1845.2	2182.2	2399.6	2421.4	2445.8	2426.8	2437.7	2440.4	2454.0	2462.2	2459.4
37.5°	1630.6	2076.2	2323.6	2339.9	2358.9	2334.4	2350.7	2358.9	2369.7	2364.3	2364.3
40°	1440.3	1910.4	2233.9	2244.7	2261.0	2242.0	2258.3	2263.7	2269.2	2263.7	2261.0
42.5°	1299.0	1728.4	2138.7	2152.3	2141.4	2155.0	2160.5	2171.3	2163.2	2152.3	2152.3
45°	1190.3	1679.5	2035.4	2051.7	2035.4	2057.2	2065.4	2065.4	2040.9	2035.4	2032.7
47.5°	1155.0	1581.6	1932.2	1932.2	1924.1	1951.2	1964.8	1945.7	1921.3	1913.1	1913.1
50°	1152.2	1472.9	1790.9	1780.0	1818.1	1850.7	1837.1	1818.1	1799.0	1769.2	1769.2
52.5°	1046.2	1339.7	1608.8	1649.6	1709.3	1728.4	1706.6	1687.6	1655.0	1641.4	1630.6
55°	970.2	1201.2	1443.1	1524.6	1587.0	1611.5	1570.7	1551.7	1502.8	1494.7	1489.2
57.5°	953.9	1000.1	1290.8	1394.1	1470.2	1467.5	1443.1	1407.7	1366.9	1358.8	1356.1
60°	875.0	722.9	1127.8	1250.1	1328.9	1320.8	1299.0	1266.4	1228.3	1222.9	1217.5
62.5°	793.5	524.5	943.0	1081.6	1193.0	1190.3	1171.3	1122.4	1095.2	1081.6	1070.7
65°	674.0	440.3	671.2	899.5	1059.9	1065.3	1024.5	989.2	959.3	943.0	940.3
67.5°	513.6	358.7	453.9	750.1	932.1	926.7	875.0	858.7	820.7	812.6	796.3
70°	380.5	239.1	315.3	608.8	807.1	793.5	752.7	733.8	698.4	679.4	668.5
72.5°	315.3	193.0	231.0	472.9	679.4	663.1	627.8	606.0	576.2	559.9	548.9
75°	255.4	203.8	176.7	350.6	551.7	540.8	508.2	486.5	462.0	440.3	442.9
77.5°	187.5	190.2	141.3	258.2	437.6	421.3	402.2	375.0	364.2	342.4	342.4
80°	141.3	149.4	106.0	176.7	315.3	315.3	299.0	279.9	260.9	250.1	250.1
82.5°	95.1	95.1	78.8	111.5	214.7	206.5	195.7	190.2	179.4	173.9	173.9
85°	43.4	54.4	48.9	67.9	116.8	122.3	122.3	116.8	114.1	108.7	111.5
87.5°	13.6	24.5	29.9	38.1	59.8	62.5	65.2	65.2	65.2	67.9	67.9
90°	10.0	18.1	26.0	28.0	44.1	65.4	76.1	67.7	50.7	38.1	38.1
92.5°	40.1	108.2	176.3	193.4	271.8	376.4	428.7	375.7	269.8	190.3	182.8
95°	96.2	220.8	345.5	376.6	668.7	1058.3	1253.1	1118.2	848.4	646.1	623.1
97.5°	166.3	276.2	386.2	413.7	900.9	1550.4	1875.2	1789.9	1619.4	1491.5	1447.9
100°	220.3	320.1	419.8	444.8	985.4	1706.1	2066.4	2072.7	2085.2	2094.5	2042.5
102.5°	266.4	359.5	452.5	475.8	1024.1	1755.0	2120.6	2229.2	2446.4	2609.3	2564.9
105°	344.6	423.3	502.2	521.9	1052.7	1760.6	2114.5	2358.1	2845.1	3210.4	3186.5
107.5°	424.7	498.2	571.6	590.0	1058.1	1682.3	1994.3	2334.0	3013.4	3522.9	3528.7
110°	478.8	545.2	611.5	628.0	1050.1	1612.8	1894.2	2273.9	3033.4	3603.1	3628.0



TEST NUMBER: P936152

CATALOG NUMBER: SQ4-FA-150U-125D-930-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	531.9	595.1	658.3	674.1	1050.4	1552.1	1803.0	2191.6	2968.9	3551.9	3590.2
115°	612.0	670.3	728.6	743.3	1060.1	1482.6	1693.8	2068.2	2817.0	3378.6	3431.7
117.5°	691.1	744.1	797.1	810.4	1079.8	1439.1	1618.7	1956.6	2632.4	3139.2	3198.1
120°	737.2	787.1	837.0	849.4	1095.9	1424.4	1588.7	1897.4	2514.9	2978.0	3035.2
122.5°	782.3	832.6	882.9	895.5	1118.9	1416.7	1565.6	1843.6	2399.7	2816.7	2873.1
125°	851.4	897.3	943.1	954.6	1149.9	1410.3	1540.6	1776.7	2249.0	2603.3	2655.3
127.5°	907.6	953.8	1000.1	1011.7	1181.0	1406.7	1519.5	1722.3	2127.9	2432.0	2475.9
130°	937.6	987.4	1037.3	1049.8	1203.7	1408.9	1511.5	1692.0	2053.1	2323.9	2364.4
132.5°	968.7	1018.5	1068.4	1080.8	1222.1	1410.4	1504.5	1666.1	1989.3	2231.7	2268.0
135°	1014.7	1060.1	1105.6	1116.9	1242.1	1409.0	1492.5	1627.8	1898.5	2101.5	2132.8
137.5°	1061.8	1106.8	1151.7	1162.9	1272.1	1417.7	1490.5	1605.0	1833.7	2005.3	2030.9
140°	1100.8	1142.3	1183.6	1194.0	1290.5	1419.1	1483.5	1582.3	1780.0	1928.2	1952.2
142.5°	1130.9	1169.2	1207.5	1217.0	1305.8	1424.3	1483.5	1570.3	1743.9	1874.1	1894.7
145°	1177.0	1210.4	1243.8	1252.1	1325.9	1424.3	1473.4	1544.4	1686.5	1793.0	1808.6
147.5°	1223.0	1255.6	1288.1	1296.2	1355.3	1434.1	1473.4	1529.3	1641.0	1724.8	1737.8
150°	1253.1	1282.5	1311.9	1319.2	1370.6	1439.1	1473.4	1520.6	1615.0	1685.8	1696.3
152.5°	1284.2	1306.4	1328.7	1334.3	1380.7	1442.5	1473.4	1513.7	1594.3	1654.7	1662.6
155°	1330.2	1346.7	1363.2	1367.3	1402.7	1449.8	1473.4	1505.5	1569.6	1617.7	1622.9
157.5°	1364.3	1380.4	1396.3	1400.4	1424.7	1457.2	1473.4	1498.4	1548.3	1585.7	1589.4
160°	1387.3	1399.8	1412.2	1415.4	1434.7	1460.5	1473.4	1494.8	1537.6	1569.6	1571.7
162.5°	1410.4	1419.7	1429.1	1431.4	1445.4	1464.1	1473.4	1491.5	1527.5	1554.6	1556.6
165°	1435.4	1443.8	1452.3	1454.4	1460.7	1469.2	1473.4	1486.4	1512.2	1531.6	1533.6
167.5°	1458.4	1462.4	1466.4	1467.5	1472.8	1479.9	1483.5	1491.9	1508.8	1521.5	1522.4
170°	1473.4	1477.4	1481.5	1482.5	1482.8	1483.2	1483.5	1491.9	1508.8	1521.5	1521.5
172.5°	1481.5	1482.3	1483.2	1483.5	1483.5	1483.5	1483.5	1490.1	1503.5	1513.5	1512.7
175°	1492.5	1492.5	1492.5	1492.5	1489.5	1485.5	1483.5	1487.7	1496.1	1502.5	1502.5
177.5°	1492.5	1492.5	1492.5	1492.5	1490.1	1487.0	1485.5	1488.8	1495.5	1500.5	1499.6
180°	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5



TEST NUMBER: P936152

CATALOG NUMBER: SQ4-FA-150U-125D-930-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5
2.5°	2945.9	2937.7	2945.9	2940.4	2943.2	2935.0	2910.6	2902.4	2910.6	2918.7	2918.7
5°	2981.2	2975.8	2981.2	2981.2	2978.5	2973.0	2945.9	2940.4	2945.9	2948.5	2943.2
7.5°	2992.1	2983.9	2992.1	2986.6	2986.6	2981.2	2954.0	2948.5	2951.3	2959.5	2951.3
10°	2992.1	2983.9	2992.1	2989.3	2986.6	2981.2	2954.0	2943.2	2943.2	2951.3	2943.2
12.5°	2978.5	2973.0	2978.5	2973.0	2973.0	2967.6	2940.4	2929.6	2932.2	2935.0	2924.1
15°	2956.7	2948.5	2956.7	2951.3	2954.0	2945.9	2915.9	2905.1	2905.1	2910.6	2891.5
17.5°	2924.1	2913.2	2924.1	2921.4	2918.7	2913.2	2886.1	2875.2	2872.5	2875.2	2861.6
20°	2886.1	2877.9	2886.1	2883.3	2883.3	2872.5	2845.3	2831.7	2831.7	2831.7	2818.1
22.5°	2826.2	2818.1	2826.2	2831.7	2831.7	2829.0	2804.6	2785.5	2780.1	2780.1	2763.8
25°	2758.3	2750.2	2758.3	2758.3	2755.7	2758.3	2750.2	2739.4	2731.2	2723.0	2706.7
27.5°	2693.1	2687.6	2693.1	2687.6	2693.1	2685.0	2682.3	2679.5	2668.7	2660.5	2638.7
30°	2627.9	2622.4	2627.9	2622.4	2617.1	2611.6	2598.0	2592.6	2603.4	2598.0	2562.7
32.5°	2546.4	2540.9	2546.4	2546.4	2540.9	2540.9	2519.2	2511.1	2513.8	2530.1	2497.5
35°	2462.2	2454.0	2462.2	2459.4	2462.2	2454.0	2440.4	2437.7	2426.8	2445.8	2421.4
37.5°	2364.3	2356.2	2364.3	2364.3	2364.3	2369.7	2358.9	2350.7	2334.4	2358.9	2339.9
40°	2263.7	2252.9	2263.7	2261.0	2263.7	2269.2	2263.7	2258.3	2242.0	2261.0	2244.7
42.5°	2149.6	2146.9	2149.6	2152.3	2152.3	2163.2	2171.3	2160.5	2155.0	2141.4	2152.3
45°	2027.3	2021.9	2027.3	2032.7	2035.4	2040.9	2065.4	2065.4	2057.2	2035.4	2051.7
47.5°	1896.8	1883.3	1896.8	1913.1	1913.1	1921.3	1945.7	1964.8	1951.2	1924.1	1932.2
50°	1758.2	1761.0	1758.2	1769.2	1769.2	1799.0	1818.1	1837.1	1850.7	1818.1	1780.0
52.5°	1622.4	1619.7	1622.4	1630.6	1641.4	1655.0	1687.6	1706.6	1728.4	1709.3	1649.6
55°	1486.5	1492.0	1486.5	1489.2	1494.7	1502.8	1551.7	1570.7	1611.5	1587.0	1524.6
57.5°	1350.6	1342.5	1350.6	1356.1	1358.8	1366.9	1407.7	1443.1	1467.5	1470.2	1394.1
60°	1193.0	1182.2	1193.0	1217.5	1222.9	1228.3	1266.4	1299.0	1320.8	1328.9	1250.1
62.5°	1054.4	1035.4	1054.4	1070.7	1081.6	1095.2	1122.4	1171.3	1190.3	1193.0	1081.6
65°	907.6	899.5	907.6	940.3	943.0	959.3	989.2	1024.5	1065.3	1059.9	899.5
67.5°	774.5	774.5	774.5	796.3	812.6	820.7	858.7	875.0	926.7	932.1	750.1
70°	652.2	649.5	652.2	668.5	679.4	698.4	733.8	752.7	793.5	807.1	608.8
72.5°	535.4	532.6	535.4	548.9	559.9	576.2	606.0	627.8	663.1	679.4	472.9
75°	432.1	426.6	432.1	442.9	440.3	462.0	486.5	508.2	540.8	551.7	350.6
77.5°	331.6	331.6	331.6	342.4	342.4	364.2	375.0	402.2	421.3	437.6	258.2
80°	247.3	244.6	247.3	250.1	250.1	260.9	279.9	299.0	315.3	315.3	176.7
82.5°	173.9	168.5	173.9	173.9	173.9	179.4	190.2	195.7	206.5	214.7	111.5
85°	108.7	108.7	108.7	111.5	108.7	114.1	116.8	122.3	122.3	116.8	67.9
87.5°	70.7	67.9	70.7	67.9	67.9	65.2	65.2	65.2	62.5	59.8	38.1
90°	38.1	38.1	38.1	38.1	38.1	50.7	67.7	76.1	65.4	44.1	28.0
92.5°	152.5	122.2	152.5	182.8	190.3	269.8	375.7	428.7	376.4	271.8	193.4
95°	531.4	439.7	531.4	623.1	646.1	848.4	1118.2	1253.1	1058.3	668.7	376.6
97.5°	1273.3	1098.8	1273.3	1447.9	1491.5	1619.4	1789.9	1875.2	1550.4	900.9	413.7
100°	1834.6	1626.7	1834.6	2042.5	2094.5	2085.2	2072.7	2066.4	1706.1	985.4	444.8
102.5°	2386.8	2208.7	2386.8	2564.9	2609.3	2446.4	2229.2	2120.6	1755.0	1024.1	475.8
105°	3090.7	2995.0	3090.7	3186.5	3210.4	2845.1	2358.1	2114.5	1760.6	1052.7	521.9
107.5°	3551.8	3575.0	3551.8	3528.7	3522.9	3013.4	2334.0	1994.3	1682.3	1058.1	590.0
110°	3727.7	3827.4	3727.7	3628.0	3603.1	3033.4	2273.9	1894.2	1612.8	1050.1	628.0





TEST NUMBER: P936152

CATALOG NUMBER: SQ4-FA-150U-125D-930-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3743.3	3896.5	3743.3	3590.2	3551.9	2968.9	2191.6	1803.0	1552.1	1050.4	674.1
115°	3644.1	3856.4	3644.1	3431.7	3378.6	2817.0	2068.2	1693.8	1482.6	1060.1	743.3
117.5°	3433.6	3669.1	3433.6	3198.1	3139.2	2632.4	1956.6	1618.7	1439.1	1079.8	810.4
120°	3264.0	3492.8	3264.0	3035.2	2978.0	2514.9	1897.4	1588.7	1424.4	1095.9	849.4
122.5°	3098.9	3324.6	3098.9	2873.1	2816.7	2399.7	1843.6	1565.6	1416.7	1118.9	895.5
125°	2863.3	3071.2	2863.3	2655.3	2603.3	2249.0	1776.7	1540.6	1410.3	1149.9	954.6
127.5°	2651.3	2826.7	2651.3	2475.9	2432.0	2127.9	1722.3	1519.5	1406.7	1181.0	1011.7
130°	2526.5	2688.5	2526.5	2364.4	2323.9	2053.1	1692.0	1511.5	1408.9	1203.7	1049.8
132.5°	2413.1	2558.3	2413.1	2268.0	2231.7	1989.3	1666.1	1504.5	1410.4	1222.1	1080.8
135°	2257.9	2383.0	2257.9	2132.8	2101.5	1898.5	1627.8	1492.5	1409.0	1242.1	1116.9
137.5°	2133.3	2235.7	2133.3	2030.9	2005.3	1833.7	1605.0	1490.5	1417.7	1272.1	1162.9
140°	2047.9	2143.6	2047.9	1952.2	1928.2	1780.0	1582.3	1483.5	1419.1	1290.5	1194.0
142.5°	1977.1	2059.5	1977.1	1894.7	1874.1	1743.9	1570.3	1483.5	1424.3	1305.8	1217.0
145°	1870.9	1933.2	1870.9	1808.6	1793.0	1686.5	1544.4	1473.4	1424.3	1325.9	1252.1
147.5°	1789.4	1841.0	1789.4	1737.8	1724.8	1641.0	1529.3	1473.4	1434.1	1355.3	1296.2
150°	1738.2	1780.0	1738.2	1696.3	1685.8	1615.0	1520.6	1473.4	1439.1	1370.6	1319.2
152.5°	1694.2	1725.9	1694.2	1662.6	1654.7	1594.3	1513.7	1473.4	1442.5	1380.7	1334.3
155°	1643.9	1664.8	1643.9	1622.9	1617.7	1569.6	1505.5	1473.4	1449.8	1402.7	1367.3
157.5°	1604.0	1618.7	1604.0	1589.4	1585.7	1548.3	1498.4	1473.4	1457.2	1424.7	1400.4
160°	1580.2	1588.7	1580.2	1571.7	1569.6	1537.6	1494.8	1473.4	1460.5	1434.7	1415.4
162.5°	1564.6	1572.6	1564.6	1556.6	1554.6	1527.5	1491.5	1473.4	1464.1	1445.4	1431.4
165°	1542.2	1550.6	1542.2	1533.6	1531.6	1512.2	1486.4	1473.4	1469.2	1460.7	1454.4
167.5°	1526.0	1529.6	1526.0	1522.4	1521.5	1508.8	1491.9	1483.5	1479.9	1472.8	1467.5
170°	1521.5	1521.5	1521.5	1521.5	1521.5	1508.8	1491.9	1483.5	1483.2	1482.8	1482.5
172.5°	1509.6	1506.5	1509.6	1512.7	1513.5	1503.5	1490.1	1483.5	1483.5	1483.5	1483.5
175°	1502.5	1502.5	1502.5	1502.5	1502.5	1496.1	1487.7	1483.5	1485.5	1489.5	1492.5
177.5°	1496.0	1492.5	1496.0	1499.6	1500.5	1495.5	1488.8	1485.5	1487.0	1490.1	1492.5
180°	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5



TEST NUMBER: P936152

CATALOG NUMBER: SQ4-FA-150U-125D-930-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5
2.5°	2913.2	2896.9	2896.9	2869.8	2858.9	2850.7	2837.2	2796.4	2785.5	2774.6	2791.0
5°	2937.7	2907.8	2886.1	2837.2	2796.4	2780.1	2728.4	2630.6	2565.4	2516.4	2489.3
7.5°	2943.2	2905.1	2864.3	2788.3	2690.4	2646.9	2489.3	2309.9	2261.0	2217.6	2190.3
10°	2937.7	2894.3	2837.2	2723.0	2492.0	2415.9	2258.3	2141.4	2111.6	2103.4	2111.6
12.5°	2918.7	2877.9	2799.1	2608.9	2285.5	2233.9	2141.4	2073.5	2068.0	2081.7	2155.0
15°	2886.1	2848.0	2755.7	2456.7	2171.3	2133.3	2068.0	2043.6	2073.5	2168.7	2388.8
17.5°	2853.5	2809.9	2695.8	2307.3	2084.3	2057.2	2011.0	2059.9	2228.4	2356.2	2429.5
20°	2809.9	2758.3	2627.9	2198.5	2021.9	1997.4	1975.7	2195.8	2323.6	2369.7	2410.5
22.5°	2758.3	2704.0	2535.5	2122.4	1956.7	1937.6	1951.2	2271.9	2323.6	2356.2	2391.5
25°	2690.4	2644.2	2426.8	2062.7	1905.0	1883.3	1934.9	2263.7	2293.6	2301.8	2372.5
27.5°	2627.9	2568.1	2312.6	2008.3	1842.5	1834.4	1948.5	2228.4	2250.2	2258.3	2334.4
30°	2551.8	2462.2	2185.0	1951.2	1777.3	1774.5	1951.2	2185.0	2179.5	2201.3	2277.3
32.5°	2473.0	2304.5	2040.9	1880.5	1714.8	1712.1	1932.2	2119.7	2114.3	2144.2	2201.3
35°	2399.6	2182.2	1845.2	1799.0	1636.0	1638.7	1886.0	2043.6	2046.4	2073.5	2108.8
37.5°	2323.6	2076.2	1630.6	1709.3	1559.9	1559.9	1823.5	1973.0	1967.5	1975.7	2024.6
40°	2233.9	1910.4	1440.3	1592.5	1489.2	1481.1	1747.4	1896.8	1877.8	1875.2	1943.1
42.5°	2138.7	1728.4	1299.0	1437.6	1407.7	1396.8	1655.0	1804.5	1769.2	1777.3	1864.2
45°	2035.4	1679.5	1190.3	1214.8	1323.4	1315.3	1554.4	1698.5	1674.0	1695.8	1785.5
47.5°	1932.2	1581.6	1155.0	1008.2	1233.8	1231.1	1443.1	1595.2	1581.6	1603.4	1698.5
50°	1790.9	1472.9	1152.2	864.2	1133.2	1144.1	1309.9	1494.7	1494.7	1513.7	1614.3
52.5°	1608.8	1339.7	1046.2	782.7	1016.4	1049.0	1193.0	1407.7	1413.1	1432.2	1521.8
55°	1443.1	1201.2	970.2	720.1	877.8	948.4	1078.9	1318.0	1328.9	1347.9	1429.4
57.5°	1290.8	1000.1	953.9	646.8	750.1	818.0	978.3	1231.1	1236.5	1252.8	1331.6
60°	1127.8	722.9	875.0	568.0	638.6	690.3	885.9	1127.8	1146.8	1157.7	1225.6
62.5°	943.0	524.5	793.5	513.6	584.3	595.2	809.8	1029.9	1054.4	1062.6	1103.3
65°	671.2	440.3	674.0	467.4	527.2	529.9	728.3	929.4	951.2	964.7	994.6
67.5°	453.9	358.7	513.6	423.9	483.7	486.5	649.5	812.6	842.4	853.3	872.4
70°	315.3	239.1	380.5	377.7	434.8	440.3	565.2	706.6	733.8	741.9	752.7
72.5°	231.0	193.0	315.3	339.7	383.2	388.7	478.3	587.0	614.1	622.3	627.8
75°	176.7	203.8	255.4	296.2	326.1	328.8	391.3	478.3	497.3	502.8	505.5
77.5°	141.3	190.2	187.5	239.1	266.4	260.9	307.1	369.6	385.9	385.9	385.9
80°	106.0	149.4	141.3	171.2	195.7	190.2	220.1	263.6	269.0	274.5	271.7
82.5°	78.8	95.1	95.1	108.7	130.4	125.0	146.8	171.2	171.2	171.2	176.7
85°	48.9	54.4	43.4	57.1	73.4	70.7	81.5	92.4	95.1	95.1	89.7
87.5°	29.9	24.5	13.6	21.8	32.6	32.6	38.1	40.8	38.1	38.1	38.1
90°	26.0	18.1	10.0	18.1	26.0	28.0	44.1	65.4	76.1	67.7	50.7
92.5°	176.3	108.2	40.1	108.2	176.3	193.4	271.8	376.4	428.7	375.7	269.8
95°	345.5	220.8	96.2	220.8	345.5	376.6	668.7	1058.3	1253.1	1118.2	848.4
97.5°	386.2	276.2	166.3	276.2	386.2	413.7	900.9	1550.4	1875.2	1789.9	1619.4
100°	419.8	320.1	220.3	320.1	419.8	444.8	985.4	1706.1	2066.4	2072.7	2085.2
102.5°	452.5	359.5	266.4	359.5	452.5	475.8	1024.1	1755.0	2120.6	2229.2	2446.4
105°	502.2	423.3	344.6	423.3	502.2	521.9	1052.7	1760.6	2114.5	2358.1	2845.1
107.5°	571.6	498.2	424.7	498.2	571.6	590.0	1058.1	1682.3	1994.3	2334.0	3013.4
110°	611.5	545.2	478.8	545.2	611.5	628.0	1050.1	1612.8	1894.2	2273.9	3033.4



TEST NUMBER: P936152

CATALOG NUMBER: SQ4-FA-150U-125D-930-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	658.3	595.1	531.9	595.1	658.3	674.1	1050.4	1552.1	1803.0	2191.6	2968.9
115°	728.6	670.3	612.0	670.3	728.6	743.3	1060.1	1482.6	1693.8	2068.2	2817.0
117.5°	797.1	744.1	691.1	744.1	797.1	810.4	1079.8	1439.1	1618.7	1956.6	2632.4
120°	837.0	787.1	737.2	787.1	837.0	849.4	1095.9	1424.4	1588.7	1897.4	2514.9
122.5°	882.9	832.6	782.3	832.6	882.9	895.5	1118.9	1416.7	1565.6	1843.6	2399.7
125°	943.1	897.3	851.4	897.3	943.1	954.6	1149.9	1410.3	1540.6	1776.7	2249.0
127.5°	1000.1	953.8	907.6	953.8	1000.1	1011.7	1181.0	1406.7	1519.5	1722.3	2127.9
130°	1037.3	987.4	937.6	987.4	1037.3	1049.8	1203.7	1408.9	1511.5	1692.0	2053.1
132.5°	1068.4	1018.5	968.7	1018.5	1068.4	1080.8	1222.1	1410.4	1504.5	1666.1	1989.3
135°	1105.6	1060.1	1014.7	1060.1	1105.6	1116.9	1242.1	1409.0	1492.5	1627.8	1898.5
137.5°	1151.7	1106.8	1061.8	1106.8	1151.7	1162.9	1272.1	1417.7	1490.5	1605.0	1833.7
140°	1183.6	1142.3	1100.8	1142.3	1183.6	1194.0	1290.5	1419.1	1483.5	1582.3	1780.0
142.5°	1207.5	1169.2	1130.9	1169.2	1207.5	1217.0	1305.8	1424.3	1483.5	1570.3	1743.9
145°	1243.8	1210.4	1177.0	1210.4	1243.8	1252.1	1325.9	1424.3	1473.4	1544.4	1686.5
147.5°	1288.1	1255.6	1223.0	1255.6	1288.1	1296.2	1355.3	1434.1	1473.4	1529.3	1641.0
150°	1311.9	1282.5	1253.1	1282.5	1311.9	1319.2	1370.6	1439.1	1473.4	1520.6	1615.0
152.5°	1328.7	1306.4	1284.2	1306.4	1328.7	1334.3	1380.7	1442.5	1473.4	1513.7	1594.3
155°	1363.2	1346.7	1330.2	1346.7	1363.2	1367.3	1402.7	1449.8	1473.4	1505.5	1569.6
157.5°	1396.3	1380.4	1364.3	1380.4	1396.3	1400.4	1424.7	1457.2	1473.4	1498.4	1548.3
160°	1412.2	1399.8	1387.3	1399.8	1412.2	1415.4	1434.7	1460.5	1473.4	1494.8	1537.6
162.5°	1429.1	1419.7	1410.4	1419.7	1429.1	1431.4	1445.4	1464.1	1473.4	1491.5	1527.5
165°	1452.3	1443.8	1435.4	1443.8	1452.3	1454.4	1460.7	1469.2	1473.4	1486.4	1512.2
167.5°	1466.4	1462.4	1458.4	1462.4	1466.4	1467.5	1472.8	1479.9	1483.5	1491.9	1508.8
170°	1481.5	1477.4	1473.4	1477.4	1481.5	1482.5	1482.8	1483.2	1483.5	1491.9	1508.8
172.5°	1483.2	1482.3	1481.5	1482.3	1483.2	1483.5	1483.5	1483.5	1483.5	1490.1	1503.5
175°	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1489.5	1485.5	1483.5	1487.7	1496.1
177.5°	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1490.1	1487.0	1485.5	1488.8	1495.5
180°	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5



TEST NUMBER: P936152  
 CATALOG NUMBER: SQ4-FA-150U-125D-930-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5
2.5°	2772.0	2763.8	2774.6	2744.7	2774.6	2763.8	2772.0	2791.0	2774.6	2785.5	2796.4
5°	2432.2	2418.6	2375.2	2339.9	2375.2	2418.6	2432.2	2489.3	2516.4	2565.4	2630.6
7.5°	2174.0	2163.2	2152.3	2130.6	2152.3	2163.2	2174.0	2190.3	2217.6	2261.0	2309.9
10°	2117.0	2119.7	2136.0	2133.3	2136.0	2119.7	2117.0	2111.6	2103.4	2111.6	2141.4
12.5°	2263.7	2288.2	2377.8	2372.5	2377.8	2288.2	2263.7	2155.0	2081.7	2068.0	2073.5
15°	2432.2	2440.4	2459.4	2462.2	2459.4	2440.4	2432.2	2388.8	2168.7	2073.5	2043.6
17.5°	2448.5	2451.2	2464.8	2464.8	2464.8	2451.2	2448.5	2429.5	2356.2	2228.4	2059.9
20°	2434.9	2440.4	2467.5	2473.0	2467.5	2440.4	2434.9	2410.5	2369.7	2323.6	2195.8
22.5°	2429.5	2440.4	2462.2	2459.4	2462.2	2440.4	2429.5	2391.5	2356.2	2323.6	2271.9
25°	2402.3	2402.3	2405.1	2407.8	2405.1	2402.3	2402.3	2372.5	2301.8	2293.6	2263.7
27.5°	2345.2	2350.7	2367.0	2364.3	2367.0	2350.7	2345.2	2334.4	2258.3	2250.2	2228.4
30°	2293.6	2288.2	2274.6	2263.7	2274.6	2288.2	2293.6	2277.3	2201.3	2179.5	2185.0
32.5°	2206.6	2193.1	2179.5	2171.3	2179.5	2193.1	2206.6	2201.3	2144.2	2114.3	2119.7
35°	2103.4	2106.1	2103.4	2095.3	2103.4	2106.1	2103.4	2108.8	2073.5	2046.4	2043.6
37.5°	2030.1	2035.4	2032.7	2021.9	2032.7	2035.4	2030.1	2024.6	1975.7	1967.5	1973.0
40°	1953.9	1956.7	1953.9	1945.7	1953.9	1956.7	1953.9	1943.1	1875.2	1877.8	1896.8
42.5°	1880.5	1877.8	1869.7	1864.2	1869.7	1877.8	1880.5	1864.2	1777.3	1769.2	1804.5
45°	1796.3	1799.0	1782.7	1774.5	1782.7	1799.0	1796.3	1785.5	1695.8	1674.0	1698.5
47.5°	1712.1	1712.1	1698.5	1690.3	1698.5	1712.1	1712.1	1698.5	1603.4	1581.6	1595.2
50°	1622.4	1619.7	1600.6	1598.0	1600.6	1619.7	1622.4	1614.3	1513.7	1494.7	1494.7
52.5°	1519.1	1519.1	1521.8	1527.3	1521.8	1519.1	1519.1	1521.8	1432.2	1413.1	1407.7
55°	1429.4	1432.2	1451.2	1456.6	1451.2	1432.2	1429.4	1429.4	1347.9	1328.9	1318.0
57.5°	1337.1	1337.1	1350.6	1350.6	1350.6	1337.1	1337.1	1331.6	1252.8	1236.5	1231.1
60°	1231.1	1236.5	1247.4	1244.6	1247.4	1236.5	1231.1	1225.6	1157.7	1146.8	1127.8
62.5°	1119.6	1125.1	1127.8	1122.4	1127.8	1125.1	1119.6	1103.3	1062.6	1054.4	1029.9
65°	1002.8	1008.2	1011.0	1005.5	1011.0	1008.2	1002.8	994.6	964.7	951.2	929.4
67.5°	883.2	880.5	877.8	888.7	877.8	880.5	883.2	872.4	853.3	842.4	812.6
70°	760.9	760.9	758.2	763.7	758.2	760.9	760.9	752.7	741.9	733.8	706.6
72.5°	630.5	627.8	638.6	630.5	638.6	627.8	630.5	627.8	622.3	614.1	587.0
75°	502.8	508.2	502.8	510.9	502.8	508.2	502.8	505.5	502.8	497.3	478.3
77.5°	383.2	388.7	383.2	383.2	383.2	388.7	383.2	385.9	385.9	385.9	369.6
80°	271.7	269.0	269.0	266.4	269.0	269.0	271.7	271.7	274.5	269.0	263.6
82.5°	173.9	171.2	171.2	176.7	171.2	171.2	173.9	176.7	171.2	171.2	171.2
85°	95.1	97.8	92.4	92.4	92.4	97.8	95.1	89.7	95.1	95.1	92.4
87.5°	35.3	32.6	32.6	32.6	32.6	32.6	35.3	38.1	38.1	38.1	40.8
90°	38.1	38.1	38.1	38.1	38.1	38.1	38.1	50.7	67.7	76.1	65.4
92.5°	190.3	182.8	152.5	122.2	152.5	182.8	190.3	269.8	375.7	428.7	376.4
95°	646.1	623.1	531.4	439.7	531.4	623.1	646.1	848.4	1118.2	1253.1	1058.3
97.5°	1491.5	1447.9	1273.3	1098.8	1273.3	1447.9	1491.5	1619.4	1789.9	1875.2	1550.4
100°	2094.5	2042.5	1834.6	1626.7	1834.6	2042.5	2094.5	2085.2	2072.7	2066.4	1706.1
102.5°	2609.3	2564.9	2386.8	2208.7	2386.8	2564.9	2609.3	2446.4	2229.2	2120.6	1755.0
105°	3210.4	3186.5	3090.7	2995.0	3090.7	3186.5	3210.4	2845.1	2358.1	2114.5	1760.6
107.5°	3522.9	3528.7	3551.8	3575.0	3551.8	3528.7	3522.9	3013.4	2334.0	1994.3	1682.3
110°	3603.1	3628.0	3727.7	3827.4	3727.7	3628.0	3603.1	3033.4	2273.9	1894.2	1612.8



TEST NUMBER: P936152

CATALOG NUMBER: SQ4-FA-150U-125D-930-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3551.9	3590.2	3743.3	3896.5	3743.3	3590.2	3551.9	2968.9	2191.6	1803.0	1552.1
115°	3378.6	3431.7	3644.1	3856.4	3644.1	3431.7	3378.6	2817.0	2068.2	1693.8	1482.6
117.5°	3139.2	3198.1	3433.6	3669.1	3433.6	3198.1	3139.2	2632.4	1956.6	1618.7	1439.1
120°	2978.0	3035.2	3264.0	3492.8	3264.0	3035.2	2978.0	2514.9	1897.4	1588.7	1424.4
122.5°	2816.7	2873.1	3098.9	3324.6	3098.9	2873.1	2816.7	2399.7	1843.6	1565.6	1416.7
125°	2603.3	2655.3	2863.3	3071.2	2863.3	2655.3	2603.3	2249.0	1776.7	1540.6	1410.3
127.5°	2432.0	2475.9	2651.3	2826.7	2651.3	2475.9	2432.0	2127.9	1722.3	1519.5	1406.7
130°	2323.9	2364.4	2526.5	2688.5	2526.5	2364.4	2323.9	2053.1	1692.0	1511.5	1408.9
132.5°	2231.7	2268.0	2413.1	2558.3	2413.1	2268.0	2231.7	1989.3	1666.1	1504.5	1410.4
135°	2101.5	2132.8	2257.9	2383.0	2257.9	2132.8	2101.5	1898.5	1627.8	1492.5	1409.0
137.5°	2005.3	2030.9	2133.3	2235.7	2133.3	2030.9	2005.3	1833.7	1605.0	1490.5	1417.7
140°	1928.2	1952.2	2047.9	2143.6	2047.9	1952.2	1928.2	1780.0	1582.3	1483.5	1419.1
142.5°	1874.1	1894.7	1977.1	2059.5	1977.1	1894.7	1874.1	1743.9	1570.3	1483.5	1424.3
145°	1793.0	1808.6	1870.9	1933.2	1870.9	1808.6	1793.0	1686.5	1544.4	1473.4	1424.3
147.5°	1724.8	1737.8	1789.4	1841.0	1789.4	1737.8	1724.8	1641.0	1529.3	1473.4	1434.1
150°	1685.8	1696.3	1738.2	1780.0	1738.2	1696.3	1685.8	1615.0	1520.6	1473.4	1439.1
152.5°	1654.7	1662.6	1694.2	1725.9	1694.2	1662.6	1654.7	1594.3	1513.7	1473.4	1442.5
155°	1617.7	1622.9	1643.9	1664.8	1643.9	1622.9	1617.7	1569.6	1505.5	1473.4	1449.8
157.5°	1585.7	1589.4	1604.0	1618.7	1604.0	1589.4	1585.7	1548.3	1498.4	1473.4	1457.2
160°	1569.6	1571.7	1580.2	1588.7	1580.2	1571.7	1569.6	1537.6	1494.8	1473.4	1460.5
162.5°	1554.6	1556.6	1564.6	1572.6	1564.6	1556.6	1554.6	1527.5	1491.5	1473.4	1464.1
165°	1531.6	1533.6	1542.2	1550.6	1542.2	1533.6	1531.6	1512.2	1486.4	1473.4	1469.2
167.5°	1521.5	1522.4	1526.0	1529.6	1526.0	1522.4	1521.5	1508.8	1491.9	1483.5	1479.9
170°	1521.5	1521.5	1521.5	1521.5	1521.5	1521.5	1521.5	1508.8	1491.9	1483.5	1483.2
172.5°	1513.5	1512.7	1509.6	1506.5	1509.6	1512.7	1513.5	1503.5	1490.1	1483.5	1483.5
175°	1502.5	1502.5	1502.5	1502.5	1502.5	1502.5	1502.5	1496.1	1487.7	1483.5	1485.5
177.5°	1500.5	1499.6	1496.0	1492.5	1496.0	1499.6	1500.5	1495.5	1488.8	1485.5	1487.0
180°	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5



TEST NUMBER: P936152

CATALOG NUMBER: SQ4-FA-150U-125D-930-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2872.5	2872.5	2872.5	2872.5	2872.5
2.5°	2837.2	2850.7	2858.9	2869.8	2896.9
5°	2728.4	2780.1	2796.4	2837.2	2886.1
7.5°	2489.3	2646.9	2690.4	2788.3	2864.3
10°	2258.3	2415.9	2492.0	2723.0	2837.2
12.5°	2141.4	2233.9	2285.5	2608.9	2799.1
15°	2068.0	2133.3	2171.3	2456.7	2755.7
17.5°	2011.0	2057.2	2084.3	2307.3	2695.8
20°	1975.7	1997.4	2021.9	2198.5	2627.9
22.5°	1951.2	1937.6	1956.7	2122.4	2535.5
25°	1934.9	1883.3	1905.0	2062.7	2426.8
27.5°	1948.5	1834.4	1842.5	2008.3	2312.6
30°	1951.2	1774.5	1777.3	1951.2	2185.0
32.5°	1932.2	1712.1	1714.8	1880.5	2040.9
35°	1886.0	1638.7	1636.0	1799.0	1845.2
37.5°	1823.5	1559.9	1559.9	1709.3	1630.6
40°	1747.4	1481.1	1489.2	1592.5	1440.3
42.5°	1655.0	1396.8	1407.7	1437.6	1299.0
45°	1554.4	1315.3	1323.4	1214.8	1190.3
47.5°	1443.1	1231.1	1233.8	1008.2	1155.0
50°	1309.9	1144.1	1133.2	864.2	1152.2
52.5°	1193.0	1049.0	1016.4	782.7	1046.2
55°	1078.9	948.4	877.8	720.1	970.2
57.5°	978.3	818.0	750.1	646.8	953.9
60°	885.9	690.3	638.6	568.0	875.0
62.5°	809.8	595.2	584.3	513.6	793.5
65°	728.3	529.9	527.2	467.4	674.0
67.5°	649.5	486.5	483.7	423.9	513.6
70°	565.2	440.3	434.8	377.7	380.5
72.5°	478.3	388.7	383.2	339.7	315.3
75°	391.3	328.8	326.1	296.2	255.4
77.5°	307.1	260.9	266.4	239.1	187.5
80°	220.1	190.2	195.7	171.2	141.3
82.5°	146.8	125.0	130.4	108.7	95.1
85°	81.5	70.7	73.4	57.1	43.4
87.5°	38.1	32.6	32.6	21.8	13.6
90°	44.1	28.0	26.0	18.1	10.0
92.5°	271.8	193.4	176.3	108.2	40.1
95°	668.7	376.6	345.5	220.8	96.2
97.5°	900.9	413.7	386.2	276.2	166.3
100°	985.4	444.8	419.8	320.1	220.3
102.5°	1024.1	475.8	452.5	359.5	266.4
105°	1052.7	521.9	502.2	423.3	344.6
107.5°	1058.1	590.0	571.6	498.2	424.7
110°	1050.1	628.0	611.5	545.2	478.8



TEST NUMBER: P936152

CATALOG NUMBER: SQ4-FA-150U-125D-930-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1050.4	674.1	658.3	595.1	531.9
115°	1060.1	743.3	728.6	670.3	612.0
117.5°	1079.8	810.4	797.1	744.1	691.1
120°	1095.9	849.4	837.0	787.1	737.2
122.5°	1118.9	895.5	882.9	832.6	782.3
125°	1149.9	954.6	943.1	897.3	851.4
127.5°	1181.0	1011.7	1000.1	953.8	907.6
130°	1203.7	1049.8	1037.3	987.4	937.6
132.5°	1222.1	1080.8	1068.4	1018.5	968.7
135°	1242.1	1116.9	1105.6	1060.1	1014.7
137.5°	1272.1	1162.9	1151.7	1106.8	1061.8
140°	1290.5	1194.0	1183.6	1142.3	1100.8
142.5°	1305.8	1217.0	1207.5	1169.2	1130.9
145°	1325.9	1252.1	1243.8	1210.4	1177.0
147.5°	1355.3	1296.2	1288.1	1255.6	1223.0
150°	1370.6	1319.2	1311.9	1282.5	1253.1
152.5°	1380.7	1334.3	1328.7	1306.4	1284.2
155°	1402.7	1367.3	1363.2	1346.7	1330.2
157.5°	1424.7	1400.4	1396.3	1380.4	1364.3
160°	1434.7	1415.4	1412.2	1399.8	1387.3
162.5°	1445.4	1431.4	1429.1	1419.7	1410.4
165°	1460.7	1454.4	1452.3	1443.8	1435.4
167.5°	1472.8	1467.5	1466.4	1462.4	1458.4
170°	1482.8	1482.5	1481.5	1477.4	1473.4
172.5°	1483.5	1483.5	1483.2	1482.3	1481.5
175°	1489.5	1492.5	1492.5	1492.5	1492.5
177.5°	1490.1	1492.5	1492.5	1492.5	1492.5
180°	1492.5	1492.5	1492.5	1492.5	1492.5



TEST NUMBER: P936152  
 CATALOG NUMBER: SQ4-FA-150U-125D-930-1D-UNV-STD-W-8

**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	13.17	13.98	14.19	15.00	16.36	16.01	16.82	17.02	17.84	19.20
	3H	13.65	14.37	14.67	15.40	16.78	17.36	18.08	18.38	19.11	20.49
	4H	13.84	14.52	14.87	15.55	16.94	17.80	18.48	18.83	19.52	20.90
	6H	13.95	14.58	15.00	15.62	17.02	18.08	18.71	19.13	19.75	21.15
	8H	13.95	14.55	15.00	15.60	17.00	18.16	18.76	19.21	19.81	21.21
	12H	13.92	14.49	14.97	15.54	16.96	18.20	18.76	19.25	19.81	21.23
4H	2H	14.20	14.89	15.24	15.92	17.31	16.41	17.10	17.45	18.13	19.52
	3H	15.22	15.79	16.27	16.85	18.26	17.92	18.49	18.97	19.55	20.95
	4H	15.50	16.02	16.55	17.07	18.50	18.44	18.97	19.50	20.02	21.44
	6H	15.62	16.07	16.68	17.14	18.56	18.81	19.26	19.87	20.33	21.75
	8H	15.62	16.04	16.69	17.11	18.54	18.92	19.33	19.98	20.40	21.84
	12H	15.59	15.97	16.67	17.05	18.49	18.97	19.35	20.05	20.43	21.87
8H	4H	15.95	16.37	17.01	17.43	18.87	18.56	18.98	19.63	20.05	21.49
	6H	16.21	16.55	17.30	17.66	19.09	19.00	19.35	20.09	20.46	21.89
	8H	16.25	16.55	17.34	17.65	19.10	19.15	19.46	20.25	20.55	22.00
	12H	16.23	16.50	17.33	17.59	19.08	19.25	19.52	20.35	20.61	22.10
12H	4H	15.95	16.33	17.04	17.41	18.85	18.53	18.90	19.61	19.99	21.43
	6H	16.27	16.57	17.36	17.66	19.12	19.00	19.30	20.09	20.39	21.84
	8H	16.33	16.60	17.43	17.69	19.18	19.16	19.42	20.26	20.51	22.00