

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: P936176

Luminaire Tested: SQ4-FA-150U-125D-940-1D-UNV-STD-W-8

Issue Date: 12/17/2024

**Test Information**

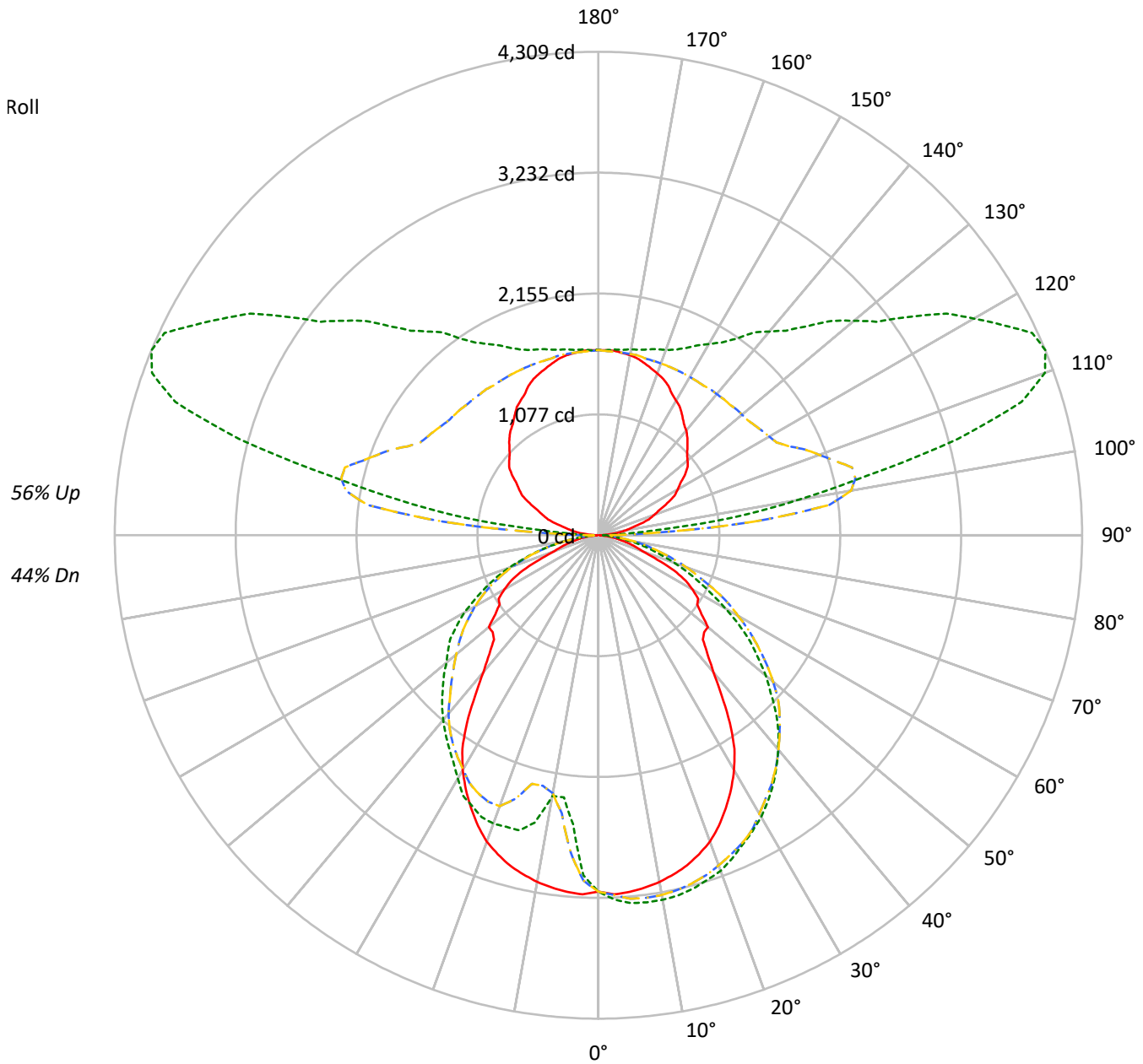
Test Method: LM-79-2019  
Report Number: P936176  
REPORT IS A COMBINATION OF REPORTS P933784 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-125D-940-1D-UNV-STD-W-8  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18941.9 lumens  
Efficiency: N/A  
Efficacy: 113.8 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

TEST NUMBER: P936176  
CATALOG NUMBER: SQ4-FA-150U-125D-940-1D-UNV-STD-W-8

### Luminous Intensity Polar Plot



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



TEST NUMBER: P936176

CATALOG NUMBER: SQ4-FA-150U-125D-940-1D-UNV-STD-W-8

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

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

	0°	90°	180°	270°
0°	14738	14738	14738	14738
5°	14848	14878	14848	11698
10°	14749	14654	14749	10477
15°	14588	14337	14588	11972
20°	14284	13961	14284	11997
25°	13659	13413	13659	11743
30°	12852	12957	12852	11185
35°	11457	12381	11457	10571
40°	9547	11703	9547	10107
45°	8530	10909	8530	9575
50°	9062	9962	9062	9040
55°	8526	8942	8526	8730
60°	8789	7595	8789	7996
65°	7969	6278	7969	7018
70°	5517	5003	5517	5883
75°	4838	3698	4838	4428
80°	3900	2445	3900	2662
85°	2236	1295	2236	1101

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 13074 cd/sqm



TEST NUMBER: P936176

CATALOG NUMBER: SQ4-FA-150U-125D-940-1D-UNV-STD-W-8

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	286.7	1.5
10°-20°	814.1	4.3
20°-30°	1258.5	6.6
30°-40°	1502.4	7.9
40°-50°	1511.2	8.0
50°-60°	1314.9	6.9
60°-70°	932.3	4.9
70°-80°	493.2	2.6
80°-90°	129.1	0.7
90°-100°	804.5	4.2
100°-110°	2115.2	11.2
110°-120°	2193.2	11.6
120°-130°	1759.2	9.3
130°-140°	1380.3	7.3
140°-150°	1059.5	5.6
150°-160°	763.0	4.0
160°-170°	466.8	2.5
170°-180°	157.7	0.8
0°-30°	2359.4	12.5
0°-40°	3861.7	20.4
0°-60°	6687.8	35.3
0°-90°	8242.5	43.5
90°-120°	5112.9	27.0
90°-150°	9311.9	49.2
90°-180°	10699.0	56.5
0°-180°	18941.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3177	3177	3177	3177	3177	
5°	3192	3291	3192	2588	3192	303
15°	3047	3261	3047	2723	3047	857
25°	2684	3041	2684	2663	2684	1232
35°	2040	2714	2040	2317	2040	1262
45°	1316	2236	1316	1962	1316	1054
55°	1073	1650	1073	1611	1073	986
65°	745	995	745	1112	745	712
75°	282	472	282	565	282	297
85°	48	120	48	102	48	65
90°	11	42	11	42	11	11
95°	106	486	106	486	106	118
105°	381	3312	381	3312	381	404
115°	677	4265	677	4265	677	668
125°	942	3396	942	3396	942	836
135°	1122	2635	1122	2635	1122	868
145°	1302	2138	1302	2138	1302	815
155°	1471	1841	1471	1841	1471	676
165°	1587	1715	1587	1715	1587	448
175°	1650	1662	1650	1662	1650	157
180°	1650	1650	1650	1650	1650	



TEST NUMBER: P936176

CATALOG NUMBER: SQ4-FA-150U-125D-940-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6
2.5°	3203.5	3203.5	3221.6	3227.6	3227.6	3218.6	3209.6	3218.6	3245.6	3254.7	3251.7
5°	3191.6	3215.6	3248.7	3254.7	3260.6	3257.7	3251.7	3257.7	3287.7	3293.8	3296.8
7.5°	3167.5	3212.6	3254.7	3263.7	3272.7	3263.7	3260.6	3266.7	3296.8	3302.7	3302.7
10°	3137.5	3200.6	3248.7	3254.7	3263.7	3254.7	3254.7	3266.7	3296.8	3302.7	3305.8
12.5°	3095.4	3182.5	3227.6	3233.7	3245.6	3242.6	3239.7	3251.7	3281.7	3287.7	3287.7
15°	3047.3	3149.5	3191.6	3197.6	3218.6	3212.6	3212.6	3224.6	3257.7	3266.7	3263.7
17.5°	2981.2	3107.4	3155.5	3164.5	3179.6	3176.6	3179.6	3191.6	3221.6	3227.6	3230.6
20°	2906.1	3050.3	3107.4	3116.4	3131.4	3131.4	3131.4	3146.5	3176.6	3188.5	3188.5
22.5°	2803.9	2990.3	3050.3	3056.3	3074.3	3074.3	3080.4	3101.4	3128.4	3131.4	3131.4
25°	2683.7	2924.1	2975.2	2993.2	3011.2	3020.3	3029.3	3041.3	3050.3	3047.3	3050.3
27.5°	2557.4	2839.9	2906.1	2918.1	2942.1	2951.2	2963.2	2966.2	2969.2	2978.2	2972.1
30°	2416.2	2722.8	2821.9	2834.0	2873.0	2879.0	2867.0	2873.0	2888.0	2894.1	2900.0
32.5°	2256.9	2548.5	2734.8	2761.9	2797.9	2779.9	2776.9	2785.8	2809.9	2809.9	2815.9
35°	2040.5	2413.2	2653.6	2677.7	2704.7	2683.7	2695.7	2698.7	2713.7	2722.8	2719.8
37.5°	1803.2	2296.0	2569.5	2587.5	2608.6	2581.5	2599.5	2608.6	2620.6	2614.5	2614.5
40°	1592.8	2112.6	2470.3	2482.3	2500.3	2479.3	2497.3	2503.4	2509.4	2503.4	2500.3
42.5°	1436.5	1911.3	2365.1	2380.1	2368.1	2383.1	2389.2	2401.2	2392.2	2380.1	2380.1
45°	1316.3	1857.3	2250.9	2268.9	2250.9	2275.0	2284.0	2284.0	2256.9	2250.9	2247.9
47.5°	1277.2	1749.0	2136.7	2136.7	2127.7	2157.8	2172.8	2151.7	2124.7	2115.7	2115.7
50°	1274.2	1628.9	1980.4	1968.4	2010.5	2046.6	2031.6	2010.5	1989.5	1956.4	1956.4
52.5°	1157.0	1481.5	1779.1	1824.2	1890.3	1911.3	1887.3	1866.2	1830.2	1815.2	1803.2
55°	1072.9	1328.4	1595.8	1686.0	1755.0	1782.1	1737.0	1716.0	1661.9	1652.9	1646.9
57.5°	1054.9	1105.9	1427.5	1541.7	1625.8	1622.8	1595.8	1556.8	1511.6	1502.6	1499.7
60°	967.7	799.4	1247.2	1382.4	1469.6	1460.6	1436.5	1400.5	1358.4	1352.3	1346.4
62.5°	877.5	580.0	1042.8	1196.0	1319.3	1316.3	1295.2	1241.2	1211.1	1196.0	1184.1
65°	745.3	486.9	742.3	994.7	1172.1	1178.0	1133.0	1093.9	1060.8	1042.8	1039.8
67.5°	568.0	396.7	501.9	829.5	1030.8	1024.8	967.7	949.6	907.6	898.6	880.5
70°	420.7	264.4	348.6	673.2	892.5	877.5	832.4	811.5	772.4	751.3	739.3
72.5°	348.6	213.4	255.5	522.9	751.3	733.3	694.2	670.2	637.1	619.1	607.0
75°	282.5	225.4	195.4	387.7	610.1	598.1	562.0	538.0	510.9	486.9	489.8
77.5°	207.3	210.4	156.3	285.5	483.9	465.8	444.8	414.7	402.7	378.6	378.6
80°	156.3	165.3	117.2	195.4	348.6	348.6	330.6	309.6	288.5	276.5	276.5
82.5°	105.1	105.1	87.1	123.3	237.5	228.4	216.4	210.4	198.4	192.3	192.3
85°	48.0	60.1	54.1	75.1	129.2	135.2	135.2	129.2	126.2	120.2	123.3
87.5°	15.0	27.1	33.0	42.1	66.2	69.1	72.1	72.1	72.1	75.1	75.1
90°	11.1	20.0	28.8	31.0	48.8	72.4	84.2	74.9	56.1	42.1	42.1
92.5°	44.3	119.6	195.0	213.8	300.6	416.3	474.1	415.5	298.4	210.5	202.1
95°	106.4	244.2	382.0	416.5	739.5	1170.3	1385.7	1236.5	938.3	714.5	689.1
97.5°	183.9	305.5	427.1	457.5	996.2	1714.6	2073.7	1979.4	1790.8	1649.4	1601.2
100°	243.7	354.0	464.2	491.9	1089.7	1886.6	2285.2	2292.1	2305.9	2316.2	2258.7
102.5°	294.6	397.6	500.4	526.1	1132.5	1940.8	2345.0	2465.2	2705.4	2885.6	2836.4
105°	381.0	468.2	555.4	577.1	1164.2	1946.9	2338.4	2607.7	3146.3	3550.2	3523.8
107.5°	469.7	550.9	632.1	652.4	1170.1	1860.4	2205.4	2581.1	3332.4	3895.8	3902.2
110°	529.5	602.9	676.2	694.5	1161.2	1783.5	2094.7	2514.6	3354.5	3984.5	4012.0



TEST NUMBER: P936176

CATALOG NUMBER: SQ4-FA-150U-125D-940-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	588.2	658.1	728.0	745.5	1161.6	1716.4	1993.8	2423.6	3283.2	3927.9	3970.2
115°	676.8	741.3	805.8	821.9	1172.3	1639.5	1873.1	2287.1	3115.2	3736.3	3795.0
117.5°	764.3	822.9	881.5	896.2	1194.1	1591.4	1790.0	2163.7	2911.0	3471.5	3536.6
120°	815.3	870.4	925.6	939.3	1211.9	1575.1	1756.8	2098.3	2781.1	3293.2	3356.5
122.5°	865.1	920.8	976.4	990.3	1237.3	1566.7	1731.3	2038.8	2653.7	3114.8	3177.3
125°	941.5	992.3	1043.0	1055.7	1271.6	1559.6	1703.6	1964.8	2487.1	2878.9	2936.3
127.5°	1003.6	1054.8	1106.0	1118.8	1306.0	1555.6	1680.4	1904.6	2353.1	2689.5	2738.0
130°	1036.8	1092.0	1147.1	1160.9	1331.1	1558.0	1671.5	1871.1	2270.4	2569.9	2614.7
132.5°	1071.2	1126.3	1181.5	1195.2	1351.4	1559.7	1663.8	1842.4	2199.8	2467.9	2508.1
135°	1122.1	1172.3	1222.6	1235.1	1373.6	1558.2	1650.4	1800.2	2099.5	2324.0	2358.5
137.5°	1174.2	1223.9	1273.6	1286.0	1406.8	1567.8	1648.3	1774.8	2027.8	2217.6	2245.9
140°	1217.4	1263.2	1308.9	1320.4	1427.1	1569.4	1640.5	1749.8	1968.4	2132.4	2158.8
142.5°	1250.6	1292.9	1335.3	1345.9	1444.1	1575.0	1640.5	1736.5	1928.5	2072.5	2095.2
145°	1301.5	1338.5	1375.4	1384.7	1466.3	1575.0	1629.4	1707.9	1865.0	1982.8	2000.0
147.5°	1352.5	1388.5	1424.4	1433.4	1498.8	1585.9	1629.4	1691.2	1814.7	1907.4	1921.7
150°	1385.7	1418.2	1450.7	1458.8	1515.6	1591.5	1629.4	1681.6	1785.9	1864.3	1875.8
152.5°	1420.1	1444.7	1469.4	1475.5	1526.8	1595.2	1629.4	1674.0	1763.0	1829.9	1838.6
155°	1471.1	1489.3	1507.5	1512.0	1551.2	1603.3	1629.4	1664.8	1735.8	1789.0	1794.7
157.5°	1508.7	1526.5	1544.1	1548.6	1575.5	1611.5	1629.4	1657.0	1712.2	1753.5	1757.6
160°	1534.2	1548.0	1561.7	1565.2	1586.6	1615.1	1629.4	1653.0	1700.3	1735.8	1738.1
162.5°	1559.7	1570.0	1580.4	1582.9	1598.4	1619.1	1629.4	1649.4	1689.2	1719.2	1721.4
165°	1587.3	1596.6	1606.0	1608.3	1615.4	1624.7	1629.4	1643.7	1672.3	1693.7	1696.0
167.5°	1612.8	1617.2	1621.7	1622.8	1628.7	1636.6	1640.5	1649.8	1668.6	1682.6	1683.6
170°	1629.4	1633.8	1638.3	1639.4	1639.8	1640.2	1640.5	1649.8	1668.6	1682.6	1682.6
172.5°	1638.3	1639.2	1640.2	1640.5	1640.5	1640.5	1640.5	1647.9	1662.6	1673.7	1672.8
175°	1650.4	1650.4	1650.4	1650.4	1647.2	1642.7	1640.5	1645.2	1654.5	1661.5	1661.5
177.5°	1650.4	1650.4	1650.4	1650.4	1647.9	1644.4	1642.7	1646.4	1653.8	1659.3	1658.3
180°	1650.4	1650.4	1650.4	1650.4	1650.4	1650.4	1650.4	1650.4	1650.4	1650.4	1650.4



TEST NUMBER: P936176  
 CATALOG NUMBER: SQ4-FA-150U-125D-940-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6
2.5°	3257.7	3248.7	3257.7	3251.7	3254.7	3245.6	3218.6	3209.6	3218.6	3227.6	3227.6
5°	3296.8	3290.8	3296.8	3296.8	3293.8	3287.7	3257.7	3251.7	3257.7	3260.6	3254.7
7.5°	3308.8	3299.7	3308.8	3302.7	3302.7	3296.8	3266.7	3260.6	3263.7	3272.7	3263.7
10°	3308.8	3299.7	3308.8	3305.8	3302.7	3296.8	3266.7	3254.7	3254.7	3263.7	3254.7
12.5°	3293.8	3287.7	3293.8	3287.7	3287.7	3281.7	3251.7	3239.7	3242.6	3245.6	3233.7
15°	3269.7	3260.6	3269.7	3263.7	3266.7	3257.7	3224.6	3212.6	3212.6	3218.6	3197.6
17.5°	3233.7	3221.6	3233.7	3230.6	3227.6	3221.6	3191.6	3179.6	3176.6	3179.6	3164.5
20°	3191.6	3182.5	3191.6	3188.5	3188.5	3176.6	3146.5	3131.4	3131.4	3131.4	3116.4
22.5°	3125.4	3116.4	3125.4	3131.4	3131.4	3128.4	3101.4	3080.4	3074.3	3074.3	3056.3
25°	3050.3	3041.3	3050.3	3050.3	3047.3	3050.3	3041.3	3029.3	3020.3	3011.2	2993.2
27.5°	2978.2	2972.1	2978.2	2972.1	2978.2	2969.2	2966.2	2963.2	2951.2	2942.1	2918.1
30°	2906.1	2900.0	2906.1	2900.0	2894.1	2888.0	2873.0	2867.0	2879.0	2873.0	2834.0
32.5°	2815.9	2809.9	2815.9	2815.9	2809.9	2809.9	2785.8	2776.9	2779.9	2797.9	2761.9
35°	2722.8	2713.7	2722.8	2719.8	2722.8	2713.7	2698.7	2695.7	2683.7	2704.7	2677.7
37.5°	2614.5	2605.6	2614.5	2614.5	2614.5	2620.6	2608.6	2599.5	2581.5	2608.6	2587.5
40°	2503.4	2491.4	2503.4	2500.3	2503.4	2509.4	2503.4	2497.3	2479.3	2500.3	2482.3
42.5°	2377.2	2374.2	2377.2	2380.1	2380.1	2392.2	2401.2	2389.2	2383.1	2368.1	2380.1
45°	2241.9	2235.9	2241.9	2247.9	2250.9	2256.9	2284.0	2284.0	2275.0	2250.9	2268.9
47.5°	2097.6	2082.6	2097.6	2115.7	2115.7	2124.7	2151.7	2172.8	2157.8	2127.7	2136.7
50°	1944.4	1947.4	1944.4	1956.4	1956.4	1989.5	2010.5	2031.6	2046.6	2010.5	1968.4
52.5°	1794.1	1791.1	1794.1	1803.2	1815.2	1830.2	1866.2	1887.3	1911.3	1890.3	1824.2
55°	1643.9	1649.9	1643.9	1646.9	1652.9	1661.9	1716.0	1737.0	1782.1	1755.0	1686.0
57.5°	1493.6	1484.6	1493.6	1499.7	1502.6	1511.6	1556.8	1595.8	1622.8	1625.8	1541.7
60°	1319.3	1307.3	1319.3	1346.4	1352.3	1358.4	1400.5	1436.5	1460.6	1469.6	1382.4
62.5°	1166.0	1145.0	1166.0	1184.1	1196.0	1211.1	1241.2	1295.2	1316.3	1319.3	1196.0
65°	1003.7	994.7	1003.7	1039.8	1042.8	1060.8	1093.9	1133.0	1178.0	1172.1	994.7
67.5°	856.5	856.5	856.5	880.5	898.6	907.6	949.6	967.7	1024.8	1030.8	829.5
70°	721.2	718.2	721.2	739.3	751.3	772.4	811.5	832.4	877.5	892.5	673.2
72.5°	592.0	589.0	592.0	607.0	619.1	637.1	670.2	694.2	733.3	751.3	522.9
75°	477.8	471.8	477.8	489.8	486.9	510.9	538.0	562.0	598.1	610.1	387.7
77.5°	366.7	366.7	366.7	378.6	378.6	402.7	414.7	444.8	465.8	483.9	285.5
80°	273.5	270.5	273.5	276.5	276.5	288.5	309.6	330.6	348.6	348.6	195.4
82.5°	192.3	186.3	192.3	192.3	192.3	198.4	210.4	216.4	228.4	237.5	123.3
85°	120.2	120.2	120.2	123.3	120.2	126.2	129.2	135.2	135.2	129.2	75.1
87.5°	78.1	75.1	78.1	75.1	75.1	72.1	72.1	72.1	69.1	66.2	42.1
90°	42.1	42.1	42.1	42.1	42.1	56.1	74.9	84.2	72.4	48.8	31.0
92.5°	168.6	135.2	168.6	202.1	210.5	298.4	415.5	474.1	416.3	300.6	213.8
95°	587.7	486.3	587.7	689.1	714.5	938.3	1236.5	1385.7	1170.3	739.5	416.5
97.5°	1408.1	1215.1	1408.1	1601.2	1649.4	1790.8	1979.4	2073.7	1714.6	996.2	457.5
100°	2028.8	1798.9	2028.8	2258.7	2316.2	2305.9	2292.1	2285.2	1886.6	1089.7	491.9
102.5°	2639.4	2442.5	2639.4	2836.4	2885.6	2705.4	2465.2	2345.0	1940.8	1132.5	526.1
105°	3417.9	3312.1	3417.9	3523.8	3550.2	3146.3	2607.7	2338.4	1946.9	1164.2	577.1
107.5°	3927.8	3953.4	3927.8	3902.2	3895.8	3332.4	2581.1	2205.4	1860.4	1170.1	652.4
110°	4122.3	4232.6	4122.3	4012.0	3984.5	3354.5	2514.6	2094.7	1783.5	1161.2	694.5





TEST NUMBER: P936176

CATALOG NUMBER: SQ4-FA-150U-125D-940-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4139.6	4308.9	4139.6	3970.2	3927.9	3283.2	2423.6	1993.8	1716.4	1161.6	745.5
115°	4029.8	4264.6	4029.8	3795.0	3736.3	3115.2	2287.1	1873.1	1639.5	1172.3	821.9
117.5°	3797.1	4057.5	3797.1	3536.6	3471.5	2911.0	2163.7	1790.0	1591.4	1194.1	896.2
120°	3609.5	3862.5	3609.5	3356.5	3293.2	2781.1	2098.3	1756.8	1575.1	1211.9	939.3
122.5°	3426.9	3676.5	3426.9	3177.3	3114.8	2653.7	2038.8	1731.3	1566.7	1237.3	990.3
125°	3166.3	3396.2	3166.3	2936.3	2878.9	2487.1	1964.8	1703.6	1559.6	1271.6	1055.7
127.5°	2932.0	3125.9	2932.0	2738.0	2689.5	2353.1	1904.6	1680.4	1555.6	1306.0	1118.8
130°	2793.9	2973.1	2793.9	2614.7	2569.9	2270.4	1871.1	1671.5	1558.0	1331.1	1160.9
132.5°	2668.5	2829.1	2668.5	2508.1	2467.9	2199.8	1842.4	1663.8	1559.7	1351.4	1195.2
135°	2496.9	2635.2	2496.9	2358.5	2324.0	2099.5	1800.2	1650.4	1558.2	1373.6	1235.1
137.5°	2359.1	2472.4	2359.1	2245.9	2217.6	2027.8	1774.8	1648.3	1567.8	1406.8	1286.0
140°	2264.7	2370.5	2264.7	2158.8	2132.4	1968.4	1749.8	1640.5	1569.4	1427.1	1320.4
142.5°	2186.3	2277.5	2186.3	2095.2	2072.5	1928.5	1736.5	1640.5	1575.0	1444.1	1345.9
145°	2069.0	2137.9	2069.0	2000.0	1982.8	1865.0	1707.9	1629.4	1575.0	1466.3	1384.7
147.5°	1978.8	2035.9	1978.8	1921.7	1907.4	1814.7	1691.2	1629.4	1585.9	1498.8	1433.4
150°	1922.2	1968.4	1922.2	1875.8	1864.3	1785.9	1681.6	1629.4	1591.5	1515.6	1458.8
152.5°	1873.6	1908.6	1873.6	1838.6	1829.9	1763.0	1674.0	1629.4	1595.2	1526.8	1475.5
155°	1817.9	1841.0	1817.9	1794.7	1789.0	1735.8	1664.8	1629.4	1603.3	1551.2	1512.0
157.5°	1773.8	1790.0	1773.8	1757.6	1753.5	1712.2	1657.0	1629.4	1611.5	1575.5	1548.6
160°	1747.5	1756.8	1747.5	1738.1	1735.8	1700.3	1653.0	1629.4	1615.1	1586.6	1565.2
162.5°	1730.2	1739.1	1730.2	1721.4	1719.2	1689.2	1649.4	1629.4	1619.1	1598.4	1582.9
165°	1705.4	1714.7	1705.4	1696.0	1693.7	1672.3	1643.7	1629.4	1624.7	1615.4	1608.3
167.5°	1687.6	1691.5	1687.6	1683.6	1682.6	1668.6	1649.8	1640.5	1636.6	1628.7	1622.8
170°	1682.6	1682.6	1682.6	1682.6	1682.6	1668.6	1649.8	1640.5	1640.2	1639.8	1639.4
172.5°	1669.4	1666.0	1669.4	1672.8	1673.7	1662.6	1647.9	1640.5	1640.5	1640.5	1640.5
175°	1661.5	1661.5	1661.5	1661.5	1661.5	1654.5	1645.2	1640.5	1642.7	1647.2	1650.4
177.5°	1654.3	1650.4	1654.3	1658.3	1659.3	1653.8	1646.4	1642.7	1644.4	1647.9	1650.4
180°	1650.4	1650.4	1650.4	1650.4	1650.4	1650.4	1650.4	1650.4	1650.4	1650.4	1650.4



TEST NUMBER: P936176

CATALOG NUMBER: SQ4-FA-150U-125D-940-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6
2.5°	3221.6	3203.5	3203.5	3173.5	3161.5	3152.5	3137.5	3092.4	3080.4	3068.3	3086.4
5°	3248.7	3215.6	3191.6	3137.5	3092.4	3074.3	3017.2	2909.1	2837.0	2782.8	2752.8
7.5°	3254.7	3212.6	3167.5	3083.4	2975.2	2927.1	2752.8	2554.4	2500.3	2452.3	2422.2
10°	3248.7	3200.6	3137.5	3011.2	2755.8	2671.6	2497.3	2368.1	2335.1	2326.0	2335.1
12.5°	3227.6	3182.5	3095.4	2885.0	2527.4	2470.3	2368.1	2293.0	2287.0	2302.1	2383.1
15°	3191.6	3149.5	3047.3	2716.7	2401.2	2359.1	2287.0	2260.0	2293.0	2398.2	2641.6
17.5°	3155.5	3107.4	2981.2	2551.5	2305.0	2275.0	2223.9	2278.0	2464.3	2605.6	2686.6
20°	3107.4	3050.3	2906.1	2431.3	2235.9	2208.8	2184.8	2428.2	2569.5	2620.6	2665.7
22.5°	3050.3	2990.3	2803.9	2347.1	2163.8	2142.7	2157.8	2512.4	2569.5	2605.6	2644.6
25°	2975.2	2924.1	2683.7	2281.0	2106.7	2082.6	2139.7	2503.4	2536.4	2545.5	2623.6
27.5°	2906.1	2839.9	2557.4	2220.9	2037.5	2028.5	2154.7	2464.3	2488.4	2497.3	2581.5
30°	2821.9	2722.8	2416.2	2157.8	1965.4	1962.4	2157.8	2416.2	2410.2	2434.3	2518.4
32.5°	2734.8	2548.5	2256.9	2079.6	1896.3	1893.3	2136.7	2344.1	2338.1	2371.1	2434.3
35°	2653.6	2413.2	2040.5	1989.5	1809.1	1812.1	2085.6	2260.0	2263.0	2293.0	2332.1
37.5°	2569.5	2296.0	1803.2	1890.3	1725.0	1725.0	2016.5	2181.8	2175.8	2184.8	2238.9
40°	2470.3	2112.6	1592.8	1761.1	1646.9	1637.8	1932.4	2097.6	2076.6	2073.7	2148.8
42.5°	2365.1	1911.3	1436.5	1589.8	1556.8	1544.7	1830.2	1995.5	1956.4	1965.4	2061.6
45°	2250.9	1857.3	1316.3	1343.4	1463.5	1454.5	1719.0	1878.3	1851.2	1875.3	1974.5
47.5°	2136.7	1749.0	1277.2	1115.0	1364.4	1361.4	1595.8	1764.1	1749.0	1773.1	1878.3
50°	1980.4	1628.9	1274.2	955.7	1253.1	1265.2	1448.5	1652.9	1652.9	1673.9	1785.1
52.5°	1779.1	1481.5	1157.0	865.5	1123.9	1160.0	1319.3	1556.8	1562.7	1583.7	1682.9
55°	1595.8	1328.4	1072.9	796.4	970.7	1048.8	1193.1	1457.6	1469.6	1490.6	1580.7
57.5°	1427.5	1105.9	1054.9	715.3	829.5	904.6	1081.9	1361.4	1367.3	1385.5	1472.6
60°	1247.2	799.4	967.7	628.1	706.2	763.3	979.7	1247.2	1268.2	1280.2	1355.4
62.5°	1042.8	580.0	877.5	568.0	646.1	658.2	895.5	1138.9	1166.0	1175.1	1220.1
65°	742.3	486.9	745.3	516.9	583.0	586.0	805.4	1027.8	1051.8	1066.8	1099.9
67.5°	501.9	396.7	568.0	468.8	534.9	538.0	718.2	898.6	931.6	943.7	964.7
70°	348.6	264.4	420.7	417.7	480.9	486.9	625.1	781.4	811.5	820.4	832.4
72.5°	255.5	213.4	348.6	375.6	423.8	429.8	528.9	649.1	679.1	688.2	694.2
75°	195.4	225.4	282.5	327.6	360.6	363.6	432.7	528.9	549.9	556.0	559.0
77.5°	156.3	210.4	207.3	264.4	294.5	288.5	339.6	408.7	426.8	426.8	426.8
80°	117.2	165.3	156.3	189.3	216.4	210.4	243.4	291.5	297.5	303.5	300.5
82.5°	87.1	105.1	105.1	120.2	144.2	138.3	162.3	189.3	189.3	189.3	195.4
85°	54.1	60.1	48.0	63.1	81.2	78.1	90.1	102.2	105.1	105.1	99.2
87.5°	33.0	27.1	15.0	24.1	36.1	36.1	42.1	45.1	42.1	42.1	42.1
90°	28.8	20.0	11.1	20.0	28.8	31.0	48.8	72.4	84.2	74.9	56.1
92.5°	195.0	119.6	44.3	119.6	195.0	213.8	300.6	416.3	474.1	415.5	298.4
95°	382.0	244.2	106.4	244.2	382.0	416.5	739.5	1170.3	1385.7	1236.5	938.3
97.5°	427.1	305.5	183.9	305.5	427.1	457.5	996.2	1714.6	2073.7	1979.4	1790.8
100°	464.2	354.0	243.7	354.0	464.2	491.9	1089.7	1886.6	2285.2	2292.1	2305.9
102.5°	500.4	397.6	294.6	397.6	500.4	526.1	1132.5	1940.8	2345.0	2465.2	2705.4
105°	555.4	468.2	381.0	468.2	555.4	577.1	1164.2	1946.9	2338.4	2607.7	3146.3
107.5°	632.1	550.9	469.7	550.9	632.1	652.4	1170.1	1860.4	2205.4	2581.1	3332.4
110°	676.2	602.9	529.5	602.9	676.2	694.5	1161.2	1783.5	2094.7	2514.6	3354.5



TEST NUMBER: P936176

CATALOG NUMBER: SQ4-FA-150U-125D-940-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	728.0	658.1	588.2	658.1	728.0	745.5	1161.6	1716.4	1993.8	2423.6	3283.2
115°	805.8	741.3	676.8	741.3	805.8	821.9	1172.3	1639.5	1873.1	2287.1	3115.2
117.5°	881.5	822.9	764.3	822.9	881.5	896.2	1194.1	1591.4	1790.0	2163.7	2911.0
120°	925.6	870.4	815.3	870.4	925.6	939.3	1211.9	1575.1	1756.8	2098.3	2781.1
122.5°	976.4	920.8	865.1	920.8	976.4	990.3	1237.3	1566.7	1731.3	2038.8	2653.7
125°	1043.0	992.3	941.5	992.3	1043.0	1055.7	1271.6	1559.6	1703.6	1964.8	2487.1
127.5°	1106.0	1054.8	1003.6	1054.8	1106.0	1118.8	1306.0	1555.6	1680.4	1904.6	2353.1
130°	1147.1	1092.0	1036.8	1092.0	1147.1	1160.9	1331.1	1558.0	1671.5	1871.1	2270.4
132.5°	1181.5	1126.3	1071.2	1126.3	1181.5	1195.2	1351.4	1559.7	1663.8	1842.4	2199.8
135°	1222.6	1172.3	1122.1	1172.3	1222.6	1235.1	1373.6	1558.2	1650.4	1800.2	2099.5
137.5°	1273.6	1223.9	1174.2	1223.9	1273.6	1286.0	1406.8	1567.8	1648.3	1774.8	2027.8
140°	1308.9	1263.2	1217.4	1263.2	1308.9	1320.4	1427.1	1569.4	1640.5	1749.8	1968.4
142.5°	1335.3	1292.9	1250.6	1292.9	1335.3	1345.9	1444.1	1575.0	1640.5	1736.5	1928.5
145°	1375.4	1338.5	1301.5	1338.5	1375.4	1384.7	1466.3	1575.0	1629.4	1707.9	1865.0
147.5°	1424.4	1388.5	1352.5	1388.5	1424.4	1433.4	1498.8	1585.9	1629.4	1691.2	1814.7
150°	1450.7	1418.2	1385.7	1418.2	1450.7	1458.8	1515.6	1591.5	1629.4	1681.6	1785.9
152.5°	1469.4	1444.7	1420.1	1444.7	1469.4	1475.5	1526.8	1595.2	1629.4	1674.0	1763.0
155°	1507.5	1489.3	1471.1	1489.3	1507.5	1512.0	1551.2	1603.3	1629.4	1664.8	1735.8
157.5°	1544.1	1526.5	1508.7	1526.5	1544.1	1548.6	1575.5	1611.5	1629.4	1657.0	1712.2
160°	1561.7	1548.0	1534.2	1548.0	1561.7	1565.2	1586.6	1615.1	1629.4	1653.0	1700.3
162.5°	1580.4	1570.0	1559.7	1570.0	1580.4	1582.9	1598.4	1619.1	1629.4	1649.4	1689.2
165°	1606.0	1596.6	1587.3	1596.6	1606.0	1608.3	1615.4	1624.7	1629.4	1643.7	1672.3
167.5°	1621.7	1617.2	1612.8	1617.2	1621.7	1622.8	1628.7	1636.6	1640.5	1649.8	1668.6
170°	1638.3	1633.8	1629.4	1633.8	1638.3	1639.4	1639.8	1640.2	1640.5	1649.8	1668.6
172.5°	1640.2	1639.2	1638.3	1639.2	1640.2	1640.5	1640.5	1640.5	1640.5	1647.9	1662.6
175°	1650.4	1650.4	1650.4	1650.4	1650.4	1650.4	1647.2	1642.7	1640.5	1645.2	1654.5
177.5°	1650.4	1650.4	1650.4	1650.4	1650.4	1650.4	1647.9	1644.4	1642.7	1646.4	1653.8
180°	1650.4	1650.4	1650.4	1650.4	1650.4	1650.4	1650.4	1650.4	1650.4	1650.4	1650.4



TEST NUMBER: P936176  
 CATALOG NUMBER: SQ4-FA-150U-125D-940-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6
2.5°	3065.4	3056.3	3068.3	3035.3	3068.3	3056.3	3065.4	3086.4	3068.3	3080.4	3092.4
5°	2689.7	2674.7	2626.6	2587.5	2626.6	2674.7	2689.7	2752.8	2782.8	2837.0	2909.1
7.5°	2404.2	2392.2	2380.1	2356.1	2380.1	2392.2	2404.2	2422.2	2452.3	2500.3	2554.4
10°	2341.1	2344.1	2362.1	2359.1	2362.1	2344.1	2341.1	2335.1	2326.0	2335.1	2368.1
12.5°	2503.4	2530.4	2629.5	2623.6	2629.5	2530.4	2503.4	2383.1	2302.1	2287.0	2293.0
15°	2689.7	2698.7	2719.8	2722.8	2719.8	2698.7	2689.7	2641.6	2398.2	2293.0	2260.0
17.5°	2707.7	2710.7	2725.7	2725.7	2725.7	2710.7	2707.7	2686.6	2605.6	2464.3	2278.0
20°	2692.7	2698.7	2728.7	2734.8	2728.7	2698.7	2692.7	2665.7	2620.6	2569.5	2428.2
22.5°	2686.6	2698.7	2722.8	2719.8	2722.8	2698.7	2686.6	2644.6	2605.6	2569.5	2512.4
25°	2656.6	2656.6	2659.6	2662.7	2659.6	2656.6	2656.6	2623.6	2545.5	2536.4	2503.4
27.5°	2593.5	2599.5	2617.6	2614.5	2617.6	2599.5	2593.5	2581.5	2497.3	2488.4	2464.3
30°	2536.4	2530.4	2515.3	2503.4	2515.3	2530.4	2536.4	2518.4	2434.3	2410.2	2416.2
32.5°	2440.2	2425.2	2410.2	2401.2	2410.2	2425.2	2440.2	2434.3	2371.1	2338.1	2344.1
35°	2326.0	2329.0	2326.0	2317.1	2326.0	2329.0	2326.0	2332.1	2293.0	2263.0	2260.0
37.5°	2245.0	2250.9	2247.9	2235.9	2247.9	2250.9	2245.0	2238.9	2184.8	2175.8	2181.8
40°	2160.8	2163.8	2160.8	2151.7	2160.8	2163.8	2160.8	2148.8	2073.7	2076.6	2097.6
42.5°	2079.6	2076.6	2067.6	2061.6	2067.6	2076.6	2079.6	2061.6	1965.4	1956.4	1995.5
45°	1986.5	1989.5	1971.4	1962.4	1971.4	1989.5	1986.5	1974.5	1875.3	1851.2	1878.3
47.5°	1893.3	1893.3	1878.3	1869.2	1878.3	1893.3	1893.3	1878.3	1773.1	1749.0	1764.1
50°	1794.1	1791.1	1770.1	1767.1	1770.1	1791.1	1794.1	1785.1	1673.9	1652.9	1652.9
52.5°	1679.9	1679.9	1682.9	1689.0	1682.9	1679.9	1679.9	1682.9	1583.7	1562.7	1556.8
55°	1580.7	1583.7	1604.8	1610.8	1604.8	1583.7	1580.7	1580.7	1490.6	1469.6	1457.6
57.5°	1478.6	1478.6	1493.6	1493.6	1493.6	1478.6	1478.6	1472.6	1385.5	1367.3	1361.4
60°	1361.4	1367.3	1379.4	1376.4	1379.4	1367.3	1361.4	1355.4	1280.2	1268.2	1247.2
62.5°	1238.1	1244.2	1247.2	1241.2	1247.2	1244.2	1238.1	1220.1	1175.1	1166.0	1138.9
65°	1108.9	1115.0	1118.0	1112.0	1118.0	1115.0	1108.9	1099.9	1066.8	1051.8	1027.8
67.5°	976.7	973.7	970.7	982.7	970.7	973.7	976.7	964.7	943.7	931.6	898.6
70°	841.5	841.5	838.4	844.5	838.4	841.5	841.5	832.4	820.4	811.5	781.4
72.5°	697.3	694.2	706.2	697.3	706.2	694.2	697.3	694.2	688.2	679.1	649.1
75°	556.0	562.0	556.0	564.9	556.0	562.0	556.0	559.0	556.0	549.9	528.9
77.5°	423.8	429.8	423.8	423.8	423.8	429.8	423.8	426.8	426.8	426.8	408.7
80°	300.5	297.5	297.5	294.5	297.5	297.5	300.5	300.5	303.5	297.5	291.5
82.5°	192.3	189.3	189.3	195.4	189.3	189.3	192.3	195.4	189.3	189.3	189.3
85°	105.1	108.2	102.2	102.2	102.2	108.2	105.1	99.2	105.1	105.1	102.2
87.5°	39.1	36.1	36.1	36.1	36.1	36.1	39.1	42.1	42.1	42.1	45.1
90°	42.1	42.1	42.1	42.1	42.1	42.1	42.1	56.1	74.9	84.2	72.4
92.5°	210.5	202.1	168.6	135.2	168.6	202.1	210.5	298.4	415.5	474.1	416.3
95°	714.5	689.1	587.7	486.3	587.7	689.1	714.5	938.3	1236.5	1385.7	1170.3
97.5°	1649.4	1601.2	1408.1	1215.1	1408.1	1601.2	1649.4	1790.8	1979.4	2073.7	1714.6
100°	2316.2	2258.7	2028.8	1798.9	2028.8	2258.7	2316.2	2305.9	2292.1	2285.2	1886.6
102.5°	2885.6	2836.4	2639.4	2442.5	2639.4	2836.4	2885.6	2705.4	2465.2	2345.0	1940.8
105°	3550.2	3523.8	3417.9	3312.1	3417.9	3523.8	3550.2	3146.3	2607.7	2338.4	1946.9
107.5°	3895.8	3902.2	3927.8	3953.4	3927.8	3902.2	3895.8	3332.4	2581.1	2205.4	1860.4
110°	3984.5	4012.0	4122.3	4232.6	4122.3	4012.0	3984.5	3354.5	2514.6	2094.7	1783.5



TEST NUMBER: P936176

CATALOG NUMBER: SQ4-FA-150U-125D-940-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3927.9	3970.2	4139.6	4308.9	4139.6	3970.2	3927.9	3283.2	2423.6	1993.8	1716.4
115°	3736.3	3795.0	4029.8	4264.6	4029.8	3795.0	3736.3	3115.2	2287.1	1873.1	1639.5
117.5°	3471.5	3536.6	3797.1	4057.5	3797.1	3536.6	3471.5	2911.0	2163.7	1790.0	1591.4
120°	3293.2	3356.5	3609.5	3862.5	3609.5	3356.5	3293.2	2781.1	2098.3	1756.8	1575.1
122.5°	3114.8	3177.3	3426.9	3676.5	3426.9	3177.3	3114.8	2653.7	2038.8	1731.3	1566.7
125°	2878.9	2936.3	3166.3	3396.2	3166.3	2936.3	2878.9	2487.1	1964.8	1703.6	1559.6
127.5°	2689.5	2738.0	2932.0	3125.9	2932.0	2738.0	2689.5	2353.1	1904.6	1680.4	1555.6
130°	2569.9	2614.7	2793.9	2973.1	2793.9	2614.7	2569.9	2270.4	1871.1	1671.5	1558.0
132.5°	2467.9	2508.1	2668.5	2829.1	2668.5	2508.1	2467.9	2199.8	1842.4	1663.8	1559.7
135°	2324.0	2358.5	2496.9	2635.2	2496.9	2358.5	2324.0	2099.5	1800.2	1650.4	1558.2
137.5°	2217.6	2245.9	2359.1	2472.4	2359.1	2245.9	2217.6	2027.8	1774.8	1648.3	1567.8
140°	2132.4	2158.8	2264.7	2370.5	2264.7	2158.8	2132.4	1968.4	1749.8	1640.5	1569.4
142.5°	2072.5	2095.2	2186.3	2277.5	2186.3	2095.2	2072.5	1928.5	1736.5	1640.5	1575.0
145°	1982.8	2000.0	2069.0	2137.9	2069.0	2000.0	1982.8	1865.0	1707.9	1629.4	1575.0
147.5°	1907.4	1921.7	1978.8	2035.9	1978.8	1921.7	1907.4	1814.7	1691.2	1629.4	1585.9
150°	1864.3	1875.8	1922.2	1968.4	1922.2	1875.8	1864.3	1785.9	1681.6	1629.4	1591.5
152.5°	1829.9	1838.6	1873.6	1908.6	1873.6	1838.6	1829.9	1763.0	1674.0	1629.4	1595.2
155°	1789.0	1794.7	1817.9	1841.0	1817.9	1794.7	1789.0	1735.8	1664.8	1629.4	1603.3
157.5°	1753.5	1757.6	1773.8	1790.0	1773.8	1757.6	1753.5	1712.2	1657.0	1629.4	1611.5
160°	1735.8	1738.1	1747.5	1756.8	1747.5	1738.1	1735.8	1700.3	1653.0	1629.4	1615.1
162.5°	1719.2	1721.4	1730.2	1739.1	1730.2	1721.4	1719.2	1689.2	1649.4	1629.4	1619.1
165°	1693.7	1696.0	1705.4	1714.7	1705.4	1696.0	1693.7	1672.3	1643.7	1629.4	1624.7
167.5°	1682.6	1683.6	1687.6	1691.5	1687.6	1683.6	1682.6	1668.6	1649.8	1640.5	1636.6
170°	1682.6	1682.6	1682.6	1682.6	1682.6	1682.6	1682.6	1668.6	1649.8	1640.5	1640.2
172.5°	1673.7	1672.8	1669.4	1666.0	1669.4	1672.8	1673.7	1662.6	1647.9	1640.5	1640.5
175°	1661.5	1661.5	1661.5	1661.5	1661.5	1661.5	1661.5	1654.5	1645.2	1640.5	1642.7
177.5°	1659.3	1658.3	1654.3	1650.4	1654.3	1658.3	1659.3	1653.8	1646.4	1642.7	1644.4
180°	1650.4	1650.4	1650.4	1650.4	1650.4	1650.4	1650.4	1650.4	1650.4	1650.4	1650.4



TEST NUMBER: P936176

CATALOG NUMBER: SQ4-FA-150U-125D-940-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	3176.6	3176.6	3176.6	3176.6	3176.6
2.5°	3137.5	3152.5	3161.5	3173.5	3203.5
5°	3017.2	3074.3	3092.4	3137.5	3191.6
7.5°	2752.8	2927.1	2975.2	3083.4	3167.5
10°	2497.3	2671.6	2755.8	3011.2	3137.5
12.5°	2368.1	2470.3	2527.4	2885.0	3095.4
15°	2287.0	2359.1	2401.2	2716.7	3047.3
17.5°	2223.9	2275.0	2305.0	2551.5	2981.2
20°	2184.8	2208.8	2235.9	2431.3	2906.1
22.5°	2157.8	2142.7	2163.8	2347.1	2803.9
25°	2139.7	2082.6	2106.7	2281.0	2683.7
27.5°	2154.7	2028.5	2037.5	2220.9	2557.4
30°	2157.8	1962.4	1965.4	2157.8	2416.2
32.5°	2136.7	1893.3	1896.3	2079.6	2256.9
35°	2085.6	1812.1	1809.1	1989.5	2040.5
37.5°	2016.5	1725.0	1725.0	1890.3	1803.2
40°	1932.4	1637.8	1646.9	1761.1	1592.8
42.5°	1830.2	1544.7	1556.8	1589.8	1436.5
45°	1719.0	1454.5	1463.5	1343.4	1316.3
47.5°	1595.8	1361.4	1364.4	1115.0	1277.2
50°	1448.5	1265.2	1253.1	955.7	1274.2
52.5°	1319.3	1160.0	1123.9	865.5	1157.0
55°	1193.1	1048.8	970.7	796.4	1072.9
57.5°	1081.9	904.6	829.5	715.3	1054.9
60°	979.7	763.3	706.2	628.1	967.7
62.5°	895.5	658.2	646.1	568.0	877.5
65°	805.4	586.0	583.0	516.9	745.3
67.5°	718.2	538.0	534.9	468.8	568.0
70°	625.1	486.9	480.9	417.7	420.7
72.5°	528.9	429.8	423.8	375.6	348.6
75°	432.7	363.6	360.6	327.6	282.5
77.5°	339.6	288.5	294.5	264.4	207.3
80°	243.4	210.4	216.4	189.3	156.3
82.5°	162.3	138.3	144.2	120.2	105.1
85°	90.1	78.1	81.2	63.1	48.0
87.5°	42.1	36.1	36.1	24.1	15.0
90°	48.8	31.0	28.8	20.0	11.1
92.5°	300.6	213.8	195.0	119.6	44.3
95°	739.5	416.5	382.0	244.2	106.4
97.5°	996.2	457.5	427.1	305.5	183.9
100°	1089.7	491.9	464.2	354.0	243.7
102.5°	1132.5	526.1	500.4	397.6	294.6
105°	1164.2	577.1	555.4	468.2	381.0
107.5°	1170.1	652.4	632.1	550.9	469.7
110°	1161.2	694.5	676.2	602.9	529.5



TEST NUMBER: P936176

CATALOG NUMBER: SQ4-FA-150U-125D-940-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1161.6	745.5	728.0	658.1	588.2
115°	1172.3	821.9	805.8	741.3	676.8
117.5°	1194.1	896.2	881.5	822.9	764.3
120°	1211.9	939.3	925.6	870.4	815.3
122.5°	1237.3	990.3	976.4	920.8	865.1
125°	1271.6	1055.7	1043.0	992.3	941.5
127.5°	1306.0	1118.8	1106.0	1054.8	1003.6
130°	1331.1	1160.9	1147.1	1092.0	1036.8
132.5°	1351.4	1195.2	1181.5	1126.3	1071.2
135°	1373.6	1235.1	1222.6	1172.3	1122.1
137.5°	1406.8	1286.0	1273.6	1223.9	1174.2
140°	1427.1	1320.4	1308.9	1263.2	1217.4
142.5°	1444.1	1345.9	1335.3	1292.9	1250.6
145°	1466.3	1384.7	1375.4	1338.5	1301.5
147.5°	1498.8	1433.4	1424.4	1388.5	1352.5
150°	1515.6	1458.8	1450.7	1418.2	1385.7
152.5°	1526.8	1475.5	1469.4	1444.7	1420.1
155°	1551.2	1512.0	1507.5	1489.3	1471.1
157.5°	1575.5	1548.6	1544.1	1526.5	1508.7
160°	1586.6	1565.2	1561.7	1548.0	1534.2
162.5°	1598.4	1582.9	1580.4	1570.0	1559.7
165°	1615.4	1608.3	1606.0	1596.6	1587.3
167.5°	1628.7	1622.8	1621.7	1617.2	1612.8
170°	1639.8	1639.4	1638.3	1633.8	1629.4
172.5°	1640.5	1640.5	1640.2	1639.2	1638.3
175°	1647.2	1650.4	1650.4	1650.4	1650.4
177.5°	1647.9	1650.4	1650.4	1650.4	1650.4
180°	1650.4	1650.4	1650.4	1650.4	1650.4



TEST NUMBER: P936176  
 CATALOG NUMBER: SQ4-FA-150U-125D-940-1D-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	13.52	14.33	14.54	15.35	16.71	16.36	17.17	17.37	18.19	19.55
	3H	14.00	14.72	15.02	15.75	17.13	17.71	18.43	18.73	19.46	20.84
	4H	14.19	14.87	15.22	15.90	17.29	18.15	18.83	19.18	19.86	21.25
	6H	14.30	14.93	15.35	15.97	17.37	18.43	19.06	19.48	20.10	21.50
	8H	14.30	14.90	15.35	15.95	17.35	18.51	19.11	19.56	20.16	21.56
	12H	14.27	14.84	15.32	15.89	17.31	18.54	19.11	19.60	20.16	21.58
4H	2H	14.55	15.24	15.59	16.27	17.66	16.76	17.45	17.80	18.48	19.87
	3H	15.57	16.14	16.62	17.20	18.61	18.27	18.84	19.32	19.90	21.30
	4H	15.85	16.37	16.90	17.42	18.85	18.79	19.32	19.85	20.37	21.79
	6H	15.97	16.42	17.03	17.49	18.91	19.16	19.61	20.22	20.68	22.10
	8H	15.97	16.39	17.04	17.46	18.89	19.26	19.68	20.33	20.75	22.19
	12H	15.94	16.32	17.02	17.40	18.84	19.32	19.70	20.40	20.78	22.22
8H	4H	16.30	16.72	17.36	17.78	19.22	18.91	19.33	19.98	20.40	21.83
	6H	16.56	16.90	17.65	18.01	19.44	19.35	19.70	20.44	20.81	22.24
	8H	16.60	16.90	17.69	17.99	19.45	19.50	19.81	20.60	20.90	22.35
	12H	16.58	16.85	17.68	17.94	19.43	19.60	19.87	20.70	20.96	22.45
12H	4H	16.30	16.68	17.38	17.76	19.20	18.88	19.25	19.96	20.34	21.78
	6H	16.62	16.92	17.71	18.01	19.47	19.35	19.65	20.44	20.74	22.19
	8H	16.68	16.95	17.78	18.04	19.53	19.51	19.77	20.61	20.86	22.35