

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: P935713

Luminaire Tested: SQ4-FA-125U-125D-835-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935713
REPORT IS A COMBINATION OF REPORTS P933765 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-125D-835-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

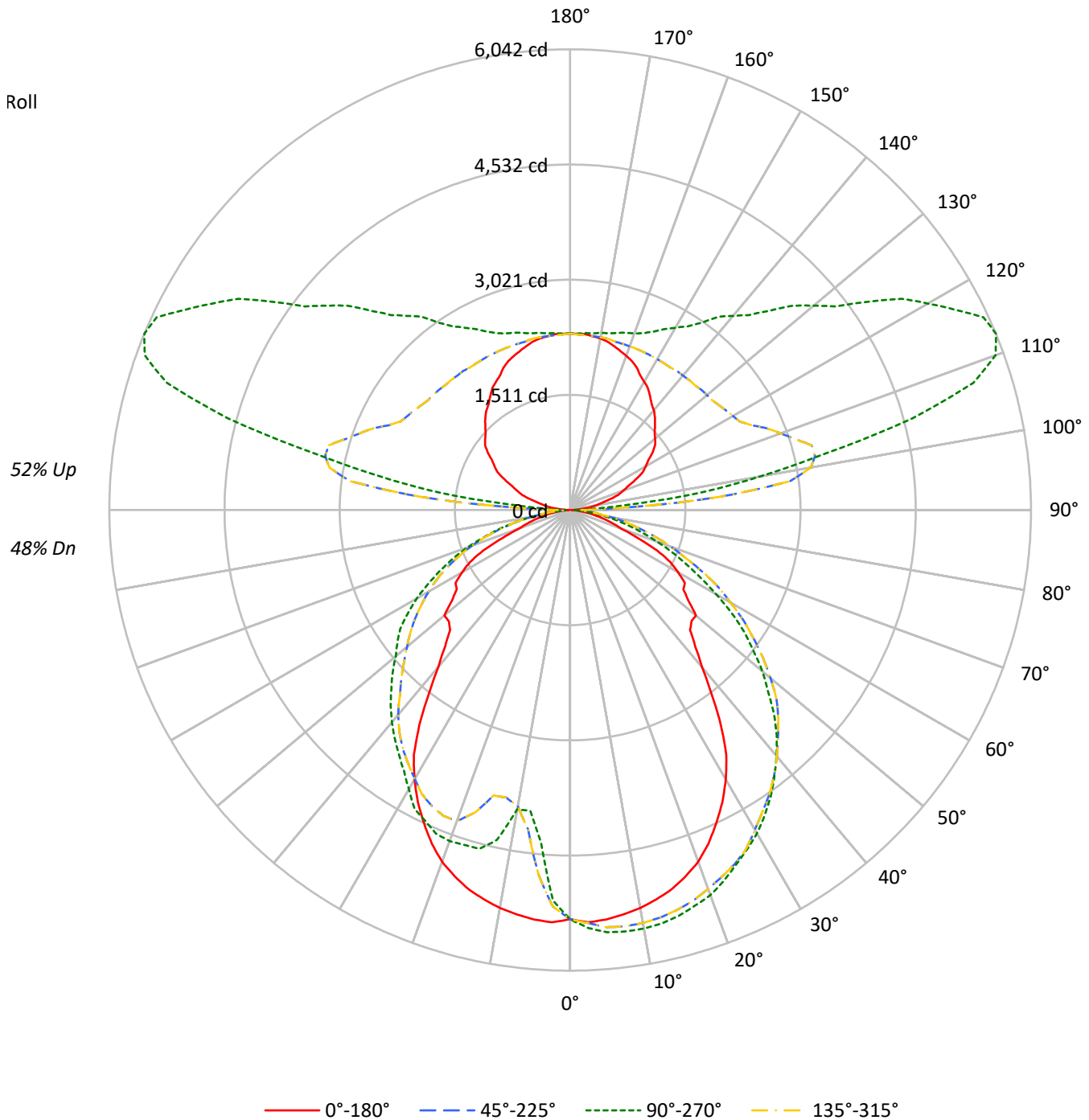
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28925.0 lumens
Efficiency: N/A
Efficacy: 128.2 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 225.6
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: P935713
CATALOG NUMBER: SQ4-FA-125U-125D-835-1D-UNV-STD-W-12

Luminous Intensity Polar Plot





TEST NUMBER: P935713

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	484.4	1.7
10°-20°	1375.3	4.8
20°-30°	2125.9	7.3
30°-40°	2537.9	8.8
40°-50°	2552.8	8.8
50°-60°	2221.2	7.7
60°-70°	1574.9	5.4
70°-80°	833.2	2.9
80°-90°	216.3	0.7
90°-100°	1128.1	3.9
100°-110°	2966.0	10.3
110°-120°	3075.4	10.6
120°-130°	2466.8	8.5
130°-140°	1935.6	6.7
140°-150°	1485.6	5.1
150°-160°	1069.9	3.7
160°-170°	654.6	2.3
170°-180°	221.2	0.8
0°-30°	3985.6	13.8
0°-40°	6523.4	22.6
0°-60°	11297.4	39.1
0°-90°	13921.8	48.1
90°-120°	7169.4	24.8
90°-150°	13057.5	45.1
90°-180°	15003.0	51.9
0°-180°	28925.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5366	5366	5366	5366	5366	
5°	5391	5559	5391	4371	5391	511
15°	5148	5508	5148	4599	5148	1448
25°	4533	5138	4533	4498	4533	2082
35°	3447	4584	3447	3914	3447	2133
45°	2224	3777	2224	3315	2224	1781
55°	1812	2787	1812	2721	1812	1665
65°	1259	1680	1259	1878	1259	1203
75°	477	797	477	954	477	502
85°	81	203	81	173	81	110
90°	16	59	16	59	16	16
95°	149	682	149	682	149	166
105°	534	4644	534	4644	534	566
115°	949	5980	949	5980	949	937
125°	1320	4762	1320	4762	1320	1172
135°	1574	3695	1574	3695	1574	1217
145°	1825	2998	1825	2998	1825	1143
155°	2063	2582	2063	2582	2063	948
165°	2226	2404	2226	2404	2226	628
175°	2314	2330	2314	2330	2314	220
180°	2314	2314	2314	2314	2314	



TEST NUMBER: P935713

CATALOG NUMBER: SQ4-FA-125U-125D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0
2.5°	5411.7	5411.7	5442.1	5452.3	5452.3	5437.0	5421.8	5437.0	5482.7	5498.0	5492.9
5°	5391.3	5432.0	5487.8	5498.0	5508.1	5503.0	5492.9	5503.0	5553.8	5564.0	5569.0
7.5°	5350.7	5426.9	5498.0	5513.2	5528.4	5513.2	5508.1	5518.3	5569.0	5579.2	5579.2
10°	5300.0	5406.6	5487.8	5498.0	5513.2	5498.0	5498.0	5518.3	5569.0	5579.2	5584.3
12.5°	5228.9	5376.1	5452.3	5462.4	5482.7	5477.6	5472.6	5492.9	5543.6	5553.8	5553.8
15°	5147.7	5320.3	5391.3	5401.5	5437.0	5426.9	5426.9	5447.2	5503.0	5518.3	5513.2
17.5°	5036.0	5249.2	5330.4	5345.7	5371.0	5366.0	5371.0	5391.3	5442.1	5452.3	5457.3
20°	4909.1	5152.7	5249.2	5264.4	5289.8	5289.8	5289.8	5315.2	5366.0	5386.3	5386.3
22.5°	4736.5	5051.2	5152.7	5162.9	5193.4	5193.4	5203.5	5239.0	5284.7	5289.8	5289.8
25°	4533.4	4939.5	5025.8	5056.3	5086.8	5102.0	5117.2	5137.5	5152.7	5147.7	5152.7
27.5°	4320.2	4797.4	4909.1	4929.4	4970.0	4985.2	5005.5	5010.6	5015.7	5030.9	5020.8
30°	4081.6	4599.4	4766.9	4787.2	4853.2	4863.4	4843.1	4853.2	4878.6	4888.8	4898.9
32.5°	3812.5	4305.0	4619.7	4665.4	4726.3	4695.9	4690.8	4706.0	4746.6	4746.6	4756.8
35°	3447.0	4076.5	4482.6	4523.2	4568.9	4533.4	4553.7	4558.8	4584.2	4599.4	4594.3
37.5°	3046.0	3878.5	4340.5	4371.0	4406.5	4360.8	4391.3	4406.5	4426.8	4416.6	4416.6
40°	2690.6	3568.8	4173.0	4193.3	4223.7	4188.2	4218.7	4228.8	4239.0	4228.8	4223.7
42.5°	2426.6	3228.7	3995.3	4020.7	4000.4	4025.7	4035.9	4056.2	4041.0	4020.7	4020.7
45°	2223.5	3137.3	3802.4	3832.8	3802.4	3843.0	3858.2	3858.2	3812.5	3802.4	3797.3
47.5°	2157.6	2954.6	3609.5	3609.5	3594.2	3645.0	3670.4	3634.8	3589.2	3573.9	3573.9
50°	2152.5	2751.5	3345.5	3325.2	3396.2	3457.2	3431.8	3396.2	3360.7	3304.9	3304.9
52.5°	1954.5	2502.8	3005.3	3081.5	3193.2	3228.7	3188.1	3152.6	3091.6	3066.3	3046.0
55°	1812.3	2243.9	2695.7	2848.0	2964.7	3010.4	2934.3	2898.7	2807.4	2792.1	2782.0
57.5°	1781.9	1868.2	2411.4	2604.3	2746.4	2741.4	2695.7	2629.7	2553.5	2538.3	2533.2
60°	1634.7	1350.4	2106.8	2335.2	2482.5	2467.2	2426.6	2365.7	2294.6	2284.5	2274.3
62.5°	1482.4	979.8	1761.6	2020.5	2228.6	2223.5	2188.0	2096.6	2045.9	2020.5	2000.2
65°	1259.0	822.4	1253.9	1680.4	1979.9	1990.0	1913.9	1847.9	1792.0	1761.6	1756.5
67.5°	959.5	670.1	847.8	1401.1	1741.3	1731.1	1634.7	1604.2	1533.1	1517.9	1487.4
70°	710.7	446.7	588.9	1137.2	1507.7	1482.4	1406.2	1370.7	1304.7	1269.1	1248.8
72.5°	588.9	360.4	431.5	883.3	1269.1	1238.7	1172.7	1132.1	1076.2	1045.8	1025.5
75°	477.2	380.7	330.0	654.9	1030.5	1010.2	949.3	908.7	863.0	822.4	827.5
77.5°	350.3	355.4	264.0	482.3	817.3	786.9	751.3	700.6	680.3	639.7	639.7
80°	264.0	279.2	198.0	330.0	588.9	588.9	558.4	522.9	487.4	467.0	467.0
82.5°	177.7	177.7	147.2	208.1	401.1	385.8	365.5	355.4	335.1	324.9	324.9
85°	81.2	101.5	91.4	126.9	218.3	228.4	228.4	218.3	213.2	203.1	208.1
87.5°	25.4	45.7	55.8	71.1	111.7	116.8	121.8	121.8	121.8	126.9	126.9
90°	15.5	27.9	40.4	43.5	68.3	101.4	118.0	104.9	78.7	59.0	59.0
92.5°	62.1	167.7	273.4	299.8	421.5	583.7	664.8	582.6	418.3	295.1	283.4
95°	149.1	342.4	535.7	584.0	1037.0	1641.1	1943.1	1733.9	1315.6	1001.9	966.3
97.5°	257.8	428.3	598.9	641.5	1396.9	2404.1	2907.7	2775.5	2511.1	2312.8	2245.1
100°	341.7	496.4	651.0	689.7	1527.9	2645.6	3204.4	3214.1	3233.4	3247.9	3167.3
102.5°	413.2	557.5	701.7	737.8	1588.0	2721.5	3288.3	3456.7	3793.6	4046.3	3977.3
105°	534.3	656.5	778.7	809.3	1632.5	2730.1	3278.9	3656.5	4411.8	4978.2	4941.1
107.5°	658.6	772.5	886.4	914.9	1640.8	2608.7	3092.6	3619.3	4672.7	5462.8	5471.8
110°	742.5	845.3	948.2	973.9	1628.3	2500.9	2937.2	3526.1	4703.8	5587.1	5625.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	824.8	922.8	1020.8	1045.3	1628.8	2406.9	2795.9	3398.6	4603.9	5507.9	5567.3
115°	949.0	1039.4	1129.9	1152.5	1643.9	2299.0	2626.6	3207.2	4368.3	5239.2	5321.5
117.5°	1071.8	1153.9	1236.1	1256.6	1674.4	2231.5	2510.1	3034.1	4082.0	4867.9	4959.2
120°	1143.2	1220.5	1297.9	1317.2	1699.3	2208.8	2463.5	2942.3	3899.8	4617.9	4706.6
122.5°	1213.1	1291.1	1369.1	1388.6	1735.0	2196.9	2427.8	2858.9	3721.1	4367.8	4455.3
125°	1320.3	1391.4	1462.5	1480.3	1783.2	2187.0	2388.9	2755.1	3487.6	4036.9	4117.5
127.5°	1407.3	1479.1	1550.9	1568.8	1831.3	2181.3	2356.3	2670.7	3299.6	3771.3	3839.3
130°	1453.9	1531.2	1608.5	1627.8	1866.5	2184.8	2343.9	2623.8	3183.7	3603.6	3666.4
132.5°	1502.0	1579.3	1656.7	1676.0	1895.0	2187.0	2333.0	2583.6	3084.8	3460.7	3517.0
135°	1573.5	1643.9	1714.3	1731.9	1926.1	2185.0	2314.4	2524.3	2944.0	3258.8	3307.3
137.5°	1646.5	1716.2	1785.9	1803.3	1972.6	2198.4	2311.3	2488.7	2843.5	3109.6	3149.3
140°	1707.0	1771.2	1835.4	1851.5	2001.1	2200.6	2300.4	2453.6	2760.1	2990.0	3027.1
142.5°	1753.6	1813.0	1872.4	1887.2	2024.9	2208.6	2300.4	2435.0	2704.3	2906.2	2938.1
145°	1825.1	1876.9	1928.7	1941.6	2056.0	2208.6	2284.9	2395.0	2615.2	2780.3	2804.5
147.5°	1896.5	1946.9	1997.3	2009.9	2101.6	2223.8	2284.9	2371.5	2544.8	2674.7	2694.7
150°	1943.1	1988.7	2034.3	2045.7	2125.4	2231.7	2284.9	2358.1	2504.4	2614.1	2630.3
152.5°	1991.3	2025.8	2060.4	2069.0	2141.0	2236.9	2284.9	2347.4	2472.3	2566.0	2578.3
155°	2062.7	2088.3	2113.8	2120.2	2175.1	2248.3	2284.9	2334.6	2434.0	2508.5	2516.6
157.5°	2115.6	2140.4	2165.3	2171.5	2209.3	2259.7	2284.9	2323.5	2400.8	2458.8	2464.5
160°	2151.3	2170.6	2190.0	2194.8	2224.8	2264.9	2284.9	2318.0	2384.3	2434.0	2437.3
162.5°	2187.0	2201.5	2216.0	2219.6	2241.4	2270.4	2284.9	2312.9	2368.8	2410.7	2413.8
165°	2225.8	2238.9	2252.0	2255.3	2265.2	2278.3	2284.9	2304.9	2344.9	2374.9	2378.2
167.5°	2261.6	2267.8	2274.0	2275.5	2283.8	2294.9	2300.4	2313.5	2339.7	2359.4	2360.8
170°	2284.9	2291.1	2297.3	2298.8	2299.3	2300.0	2300.4	2313.5	2339.7	2359.4	2359.4
172.5°	2297.3	2298.7	2300.1	2300.4	2300.4	2300.4	2300.4	2310.8	2331.5	2347.0	2345.8
175°	2314.4	2314.4	2314.4	2314.4	2309.7	2303.5	2300.4	2307.0	2320.1	2329.9	2329.9
177.5°	2314.4	2314.4	2314.4	2314.4	2310.8	2305.9	2303.5	2308.7	2319.0	2326.8	2325.4
180°	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0
2.5°	5503.0	5487.8	5503.0	5492.9	5498.0	5482.7	5437.0	5421.8	5437.0	5452.3	5452.3
5°	5569.0	5558.9	5569.0	5569.0	5564.0	5553.8	5503.0	5492.9	5503.0	5508.1	5498.0
7.5°	5589.3	5574.1	5589.3	5579.2	5579.2	5569.0	5518.3	5508.1	5513.2	5528.4	5513.2
10°	5589.3	5574.1	5589.3	5584.3	5579.2	5569.0	5518.3	5498.0	5498.0	5513.2	5498.0
12.5°	5564.0	5553.8	5564.0	5553.8	5553.8	5543.6	5492.9	5472.6	5477.6	5482.7	5462.4
15°	5523.3	5508.1	5523.3	5513.2	5518.3	5503.0	5447.2	5426.9	5426.9	5437.0	5401.5
17.5°	5462.4	5442.1	5462.4	5457.3	5452.3	5442.1	5391.3	5371.0	5366.0	5371.0	5345.7
20°	5391.3	5376.1	5391.3	5386.3	5386.3	5366.0	5315.2	5289.8	5289.8	5289.8	5264.4
22.5°	5279.7	5264.4	5279.7	5289.8	5289.8	5284.7	5239.0	5203.5	5193.4	5193.4	5162.9
25°	5152.7	5137.5	5152.7	5152.7	5147.7	5152.7	5137.5	5117.2	5102.0	5086.8	5056.3
27.5°	5030.9	5020.8	5030.9	5020.8	5030.9	5015.7	5010.6	5005.5	4985.2	4970.0	4929.4
30°	4909.1	4898.9	4909.1	4898.9	4888.8	4878.6	4853.2	4843.1	4863.4	4853.2	4787.2
32.5°	4756.8	4746.6	4756.8	4756.8	4746.6	4746.6	4706.0	4690.8	4695.9	4726.3	4665.4
35°	4599.4	4584.2	4599.4	4594.3	4599.4	4584.2	4558.8	4553.7	4533.4	4568.9	4523.2
37.5°	4416.6	4401.4	4416.6	4416.6	4416.6	4426.8	4406.5	4391.3	4360.8	4406.5	4371.0
40°	4228.8	4208.5	4228.8	4223.7	4228.8	4239.0	4228.8	4218.7	4188.2	4223.7	4193.3
42.5°	4015.6	4010.5	4015.6	4020.7	4020.7	4041.0	4056.2	4035.9	4025.7	4000.4	4020.7
45°	3787.1	3777.0	3787.1	3797.3	3802.4	3812.5	3858.2	3858.2	3843.0	3802.4	3832.8
47.5°	3543.5	3518.1	3543.5	3573.9	3573.9	3589.2	3634.8	3670.4	3645.0	3594.2	3609.5
50°	3284.6	3289.6	3284.6	3304.9	3304.9	3360.7	3396.2	3431.8	3457.2	3396.2	3325.2
52.5°	3030.7	3025.7	3030.7	3046.0	3066.3	3091.6	3152.6	3188.1	3228.7	3193.2	3081.5
55°	2776.9	2787.1	2776.9	2782.0	2792.1	2807.4	2898.7	2934.3	3010.4	2964.7	2848.0
57.5°	2523.1	2507.8	2523.1	2533.2	2538.3	2553.5	2629.7	2695.7	2741.4	2746.4	2604.3
60°	2228.6	2208.3	2228.6	2274.3	2284.5	2294.6	2365.7	2426.6	2467.2	2482.5	2335.2
62.5°	1969.7	1934.2	1969.7	2000.2	2020.5	2045.9	2096.6	2188.0	2223.5	2228.6	2020.5
65°	1695.6	1680.4	1695.6	1756.5	1761.6	1792.0	1847.9	1913.9	1990.0	1979.9	1680.4
67.5°	1446.8	1446.8	1446.8	1487.4	1517.9	1533.1	1604.2	1634.7	1731.1	1741.3	1401.1
70°	1218.4	1213.3	1218.4	1248.8	1269.1	1304.7	1370.7	1406.2	1482.4	1507.7	1137.2
72.5°	1000.1	995.0	1000.1	1025.5	1045.8	1076.2	1132.1	1172.7	1238.7	1269.1	883.3
75°	807.2	797.0	807.2	827.5	822.4	863.0	908.7	949.3	1010.2	1030.5	654.9
77.5°	619.3	619.3	619.3	639.7	639.7	680.3	700.6	751.3	786.9	817.3	482.3
80°	462.0	456.9	462.0	467.0	467.0	487.4	522.9	558.4	588.9	588.9	330.0
82.5°	324.9	314.7	324.9	324.9	324.9	335.1	355.4	365.5	385.8	401.1	208.1
85°	203.1	203.1	203.1	208.1	203.1	213.2	218.3	228.4	228.4	218.3	126.9
87.5°	132.0	126.9	132.0	126.9	126.9	121.8	121.8	121.8	116.8	111.7	71.1
90°	59.0	59.0	59.0	59.0	59.0	78.7	104.9	118.0	101.4	68.3	43.5
92.5°	236.4	189.5	236.4	283.4	295.1	418.3	582.6	664.8	583.7	421.5	299.8
95°	824.1	681.9	824.1	966.3	1001.9	1315.6	1733.9	1943.1	1641.1	1037.0	584.0
97.5°	1974.5	1703.9	1974.5	2245.1	2312.8	2511.1	2775.5	2907.7	2404.1	1396.9	641.5
100°	2844.9	2522.5	2844.9	3167.3	3247.9	3233.4	3214.1	3204.4	2645.6	1527.9	689.7
102.5°	3701.1	3425.0	3701.1	3977.3	4046.3	3793.6	3456.7	3288.3	2721.5	1588.0	737.8
105°	4792.7	4644.3	4792.7	4941.1	4978.2	4411.8	3656.5	3278.9	2730.1	1632.5	809.3
107.5°	5507.7	5543.6	5507.7	5471.8	5462.8	4672.7	3619.3	3092.6	2608.7	1640.8	914.9
110°	5780.4	5935.0	5780.4	5625.8	5587.1	4703.8	3526.1	2937.2	2500.9	1628.3	973.9



TEST NUMBER: P935713

CATALOG NUMBER: SQ4-FA-125U-125D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5804.7	6042.2	5804.7	5567.3	5507.9	4603.9	3398.6	2795.9	2406.9	1628.8	1045.3
115°	5650.8	5980.1	5650.8	5321.5	5239.2	4368.3	3207.2	2626.6	2299.0	1643.9	1152.5
117.5°	5324.4	5689.6	5324.4	4959.2	4867.9	4082.0	3034.1	2510.1	2231.5	1674.4	1256.6
120°	5061.4	5416.2	5061.4	4706.6	4617.9	3899.8	2942.3	2463.5	2208.8	1699.3	1317.2
122.5°	4805.3	5155.3	4805.3	4455.3	4367.8	3721.1	2858.9	2427.8	2196.9	1735.0	1388.6
125°	4439.9	4762.3	4439.9	4117.5	4036.9	3487.6	2755.1	2388.9	2187.0	1783.2	1480.3
127.5°	4111.3	4383.3	4111.3	3839.3	3771.3	3299.6	2670.7	2356.3	2181.3	1831.3	1568.8
130°	3917.7	4169.0	3917.7	3666.4	3603.6	3183.7	2623.8	2343.9	2184.8	1866.5	1627.8
132.5°	3742.0	3967.0	3742.0	3517.0	3460.7	3084.8	2583.6	2333.0	2187.0	1895.0	1676.0
135°	3501.2	3695.2	3501.2	3307.3	3258.8	2944.0	2524.3	2314.4	2185.0	1926.1	1731.9
137.5°	3308.1	3466.9	3308.1	3149.3	3109.6	2843.5	2488.7	2311.3	2198.4	1972.6	1803.3
140°	3175.6	3324.0	3175.6	3027.1	2990.0	2760.1	2453.6	2300.4	2200.6	2001.1	1851.5
142.5°	3065.8	3193.5	3065.8	2938.1	2906.2	2704.3	2435.0	2300.4	2208.6	2024.9	1887.2
145°	2901.1	2997.8	2901.1	2804.5	2780.3	2615.2	2395.0	2284.9	2208.6	2056.0	1941.6
147.5°	2774.8	2854.9	2774.8	2694.7	2674.7	2544.8	2371.5	2284.9	2223.8	2101.6	2009.9
150°	2695.3	2760.2	2695.3	2630.3	2614.1	2504.4	2358.1	2284.9	2231.7	2125.4	2045.7
152.5°	2627.3	2676.3	2627.3	2578.3	2566.0	2472.3	2347.4	2284.9	2236.9	2141.0	2069.0
155°	2549.1	2581.5	2549.1	2516.6	2508.5	2434.0	2334.6	2284.9	2248.3	2175.1	2120.2
157.5°	2487.3	2510.1	2487.3	2464.5	2458.8	2400.8	2323.5	2284.9	2259.7	2209.3	2171.5
160°	2450.4	2463.5	2450.4	2437.3	2434.0	2384.3	2318.0	2284.9	2264.9	2224.8	2194.8
162.5°	2426.2	2438.6	2426.2	2413.8	2410.7	2368.8	2312.9	2284.9	2270.4	2241.4	2219.6
165°	2391.3	2404.5	2391.3	2378.2	2374.9	2344.9	2304.9	2284.9	2278.3	2265.2	2255.3
167.5°	2366.3	2371.8	2366.3	2360.8	2359.4	2339.7	2313.5	2300.4	2294.9	2283.8	2275.5
170°	2359.4	2359.4	2359.4	2359.4	2359.4	2339.7	2313.5	2300.4	2300.0	2299.3	2298.8
172.5°	2340.9	2336.1	2340.9	2345.8	2347.0	2331.5	2310.8	2300.4	2300.4	2300.4	2300.4
175°	2329.9	2329.9	2329.9	2329.9	2329.9	2320.1	2307.0	2300.4	2303.5	2309.7	2314.4
177.5°	2319.9	2314.4	2319.9	2325.4	2326.8	2319.0	2308.7	2303.5	2305.9	2310.8	2314.4
180°	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4



TEST NUMBER: P935713

CATALOG NUMBER: SQ4-FA-125U-125D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0
2.5°	5442.1	5411.7	5411.7	5360.9	5340.6	5325.4	5300.0	5223.8	5203.5	5183.2	5213.7
5°	5487.8	5432.0	5391.3	5300.0	5223.8	5193.4	5096.9	4914.1	4792.3	4700.9	4650.2
7.5°	5498.0	5426.9	5350.7	5208.6	5025.8	4944.6	4650.2	4315.1	4223.7	4142.5	4091.7
10°	5487.8	5406.6	5300.0	5086.8	4655.2	4513.1	4218.7	4000.4	3944.5	3929.3	3944.5
12.5°	5452.3	5376.1	5228.9	4873.5	4269.4	4173.0	4000.4	3873.4	3863.3	3888.7	4025.7
15°	5391.3	5320.3	5147.7	4589.2	4056.2	3985.1	3863.3	3817.6	3873.4	4051.1	4462.3
17.5°	5330.4	5249.2	5036.0	4310.0	3893.8	3843.0	3756.7	3848.1	4162.8	4401.4	4538.5
20°	5249.2	5152.7	4909.1	4107.0	3777.0	3731.3	3690.7	4101.9	4340.5	4426.8	4502.9
22.5°	5152.7	5051.2	4736.5	3964.8	3655.2	3619.6	3645.0	4244.0	4340.5	4401.4	4467.4
25°	5025.8	4939.5	4533.4	3853.1	3558.7	3518.1	3614.5	4228.8	4284.6	4299.9	4431.9
27.5°	4909.1	4797.4	4320.2	3751.6	3441.9	3426.7	3639.9	4162.8	4203.4	4218.7	4360.8
30°	4766.9	4599.4	4081.6	3645.0	3320.1	3315.0	3645.0	4081.6	4071.4	4112.0	4254.2
32.5°	4619.7	4305.0	3812.5	3513.0	3203.3	3198.3	3609.5	3959.7	3949.6	4005.4	4112.0
35°	4482.6	4076.5	3447.0	3360.7	3056.1	3061.2	3523.2	3817.6	3822.7	3873.4	3939.4
37.5°	4340.5	3878.5	3046.0	3193.2	2914.0	2914.0	3406.4	3685.6	3675.5	3690.7	3782.1
40°	4173.0	3568.8	2690.6	2974.9	2782.0	2766.7	3264.3	3543.5	3507.9	3502.9	3629.8
42.5°	3995.3	3228.7	2426.6	2685.5	2629.7	2609.4	3091.6	3370.9	3304.9	3320.1	3482.5
45°	3802.4	3137.3	2223.5	2269.2	2472.3	2457.1	2903.8	3172.9	3127.2	3167.8	3335.3
47.5°	3609.5	2954.6	2157.6	1883.4	2304.8	2299.7	2695.7	2980.0	2954.6	2995.2	3172.9
50°	3345.5	2751.5	2152.5	1614.4	2116.9	2137.2	2446.9	2792.1	2792.1	2827.7	3015.5
52.5°	3005.3	2502.8	1954.5	1462.1	1898.6	1959.6	2228.6	2629.7	2639.8	2675.4	2842.9
55°	2695.7	2243.9	1812.3	1345.3	1639.7	1771.7	2015.4	2462.1	2482.5	2518.0	2670.3
57.5°	2411.4	1868.2	1781.9	1208.2	1401.1	1528.1	1827.6	2299.7	2309.9	2340.3	2487.5
60°	2106.8	1350.4	1634.7	1061.0	1193.0	1289.5	1655.0	2106.8	2142.3	2162.6	2289.5
62.5°	1761.6	979.8	1482.4	959.5	1091.5	1111.8	1512.8	1924.0	1969.7	1984.9	2061.1
65°	1253.9	822.4	1259.0	873.2	984.9	989.9	1360.5	1736.2	1776.8	1802.2	1858.0
67.5°	847.8	670.1	959.5	791.9	903.6	908.7	1213.3	1517.9	1573.7	1594.1	1629.6
70°	588.9	446.7	710.7	705.6	812.3	822.4	1055.9	1319.9	1370.7	1385.9	1406.2
72.5°	431.5	360.4	588.9	634.6	715.8	726.0	893.5	1096.5	1147.3	1162.5	1172.7
75°	330.0	380.7	477.2	553.3	609.2	614.3	731.0	893.5	929.0	939.2	944.2
77.5°	264.0	355.4	350.3	446.7	497.5	487.4	573.7	690.4	720.9	720.9	720.9
80°	198.0	279.2	264.0	319.8	365.5	355.4	411.2	492.4	502.6	512.7	507.7
82.5°	147.2	177.7	177.7	203.1	243.7	233.5	274.1	319.8	319.8	319.8	330.0
85°	91.4	101.5	81.2	106.6	137.1	132.0	152.3	172.6	177.7	177.7	167.5
87.5°	55.8	45.7	25.4	40.6	60.9	60.9	71.1	76.1	71.1	71.1	71.1
90°	40.4	27.9	15.5	27.9	40.4	43.5	68.3	101.4	118.0	104.9	78.7
92.5°	273.4	167.7	62.1	167.7	273.4	299.8	421.5	583.7	664.8	582.6	418.3
95°	535.7	342.4	149.1	342.4	535.7	584.0	1037.0	1641.1	1943.1	1733.9	1315.6
97.5°	598.9	428.3	257.8	428.3	598.9	641.5	1396.9	2404.1	2907.7	2775.5	2511.1
100°	651.0	496.4	341.7	496.4	651.0	689.7	1527.9	2645.6	3204.4	3214.1	3233.4
102.5°	701.7	557.5	413.2	557.5	701.7	737.8	1588.0	2721.5	3288.3	3456.7	3793.6
105°	778.7	656.5	534.3	656.5	778.7	809.3	1632.5	2730.1	3278.9	3656.5	4411.8
107.5°	886.4	772.5	658.6	772.5	886.4	914.9	1640.8	2608.7	3092.6	3619.3	4672.7
110°	948.2	845.3	742.5	845.3	948.2	973.9	1628.3	2500.9	2937.2	3526.1	4703.8



TEST NUMBER: P935713

CATALOG NUMBER: SQ4-FA-125U-125D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1020.8	922.8	824.8	922.8	1020.8	1045.3	1628.8	2406.9	2795.9	3398.6	4603.9
115°	1129.9	1039.4	949.0	1039.4	1129.9	1152.5	1643.9	2299.0	2626.6	3207.2	4368.3
117.5°	1236.1	1153.9	1071.8	1153.9	1236.1	1256.6	1674.4	2231.5	2510.1	3034.1	4082.0
120°	1297.9	1220.5	1143.2	1220.5	1297.9	1317.2	1699.3	2208.8	2463.5	2942.3	3899.8
122.5°	1369.1	1291.1	1213.1	1291.1	1369.1	1388.6	1735.0	2196.9	2427.8	2858.9	3721.1
125°	1462.5	1391.4	1320.3	1391.4	1462.5	1480.3	1783.2	2187.0	2388.9	2755.1	3487.6
127.5°	1550.9	1479.1	1407.3	1479.1	1550.9	1568.8	1831.3	2181.3	2356.3	2670.7	3299.6
130°	1608.5	1531.2	1453.9	1531.2	1608.5	1627.8	1866.5	2184.8	2343.9	2623.8	3183.7
132.5°	1656.7	1579.3	1502.0	1579.3	1656.7	1676.0	1895.0	2187.0	2333.0	2583.6	3084.8
135°	1714.3	1643.9	1573.5	1643.9	1714.3	1731.9	1926.1	2185.0	2314.4	2524.3	2944.0
137.5°	1785.9	1716.2	1646.5	1716.2	1785.9	1803.3	1972.6	2198.4	2311.3	2488.7	2843.5
140°	1835.4	1771.2	1707.0	1771.2	1835.4	1851.5	2001.1	2200.6	2300.4	2453.6	2760.1
142.5°	1872.4	1813.0	1753.6	1813.0	1872.4	1887.2	2024.9	2208.6	2300.4	2435.0	2704.3
145°	1928.7	1876.9	1825.1	1876.9	1928.7	1941.6	2056.0	2208.6	2284.9	2395.0	2615.2
147.5°	1997.3	1946.9	1896.5	1946.9	1997.3	2009.9	2101.6	2223.8	2284.9	2371.5	2544.8
150°	2034.3	1988.7	1943.1	1988.7	2034.3	2045.7	2125.4	2231.7	2284.9	2358.1	2504.4
152.5°	2060.4	2025.8	1991.3	2025.8	2060.4	2069.0	2141.0	2236.9	2284.9	2347.4	2472.3
155°	2113.8	2088.3	2062.7	2088.3	2113.8	2120.2	2175.1	2248.3	2284.9	2334.6	2434.0
157.5°	2165.3	2140.4	2115.6	2140.4	2165.3	2171.5	2209.3	2259.7	2284.9	2323.5	2400.8
160°	2190.0	2170.6	2151.3	2170.6	2190.0	2194.8	2224.8	2264.9	2284.9	2318.0	2384.3
162.5°	2216.0	2201.5	2187.0	2201.5	2216.0	2219.6	2241.4	2270.4	2284.9	2312.9	2368.8
165°	2252.0	2238.9	2225.8	2238.9	2252.0	2255.3	2265.2	2278.3	2284.9	2304.9	2344.9
167.5°	2274.0	2267.8	2261.6	2267.8	2274.0	2275.5	2283.8	2294.9	2300.4	2313.5	2339.7
170°	2297.3	2291.1	2284.9	2291.1	2297.3	2298.8	2299.3	2300.0	2300.4	2313.5	2339.7
172.5°	2300.1	2298.7	2297.3	2298.7	2300.1	2300.4	2300.4	2300.4	2300.4	2310.8	2331.5
175°	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2309.7	2303.5	2300.4	2307.0	2320.1
177.5°	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2310.8	2305.9	2303.5	2308.7	2319.0
180°	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4



TEST NUMBER: P935713

CATALOG NUMBER: SQ4-FA-125U-125D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0
2.5°	5178.1	5162.9	5183.2	5127.4	5183.2	5162.9	5178.1	5213.7	5183.2	5203.5	5223.8
5°	4543.6	4518.2	4436.9	4371.0	4436.9	4518.2	4543.6	4650.2	4700.9	4792.3	4914.1
7.5°	4061.3	4041.0	4020.7	3980.1	4020.7	4041.0	4061.3	4091.7	4142.5	4223.7	4315.1
10°	3954.7	3959.7	3990.2	3985.1	3990.2	3959.7	3954.7	3944.5	3929.3	3944.5	4000.4
12.5°	4228.8	4274.5	4442.0	4431.9	4442.0	4274.5	4228.8	4025.7	3888.7	3863.3	3873.4
15°	4543.6	4558.8	4594.3	4599.4	4594.3	4558.8	4543.6	4462.3	4051.1	3873.4	3817.6
17.5°	4574.0	4579.1	4604.5	4604.5	4604.5	4579.1	4574.0	4538.5	4401.4	4162.8	3848.1
20°	4548.6	4558.8	4609.6	4619.7	4609.6	4558.8	4548.6	4502.9	4426.8	4340.5	4101.9
22.5°	4538.5	4558.8	4599.4	4594.3	4599.4	4558.8	4538.5	4467.4	4401.4	4340.5	4244.0
25°	4487.7	4487.7	4492.8	4497.9	4492.8	4487.7	4487.7	4431.9	4299.9	4284.6	4228.8
27.5°	4381.1	4391.3	4421.7	4416.6	4421.7	4391.3	4381.1	4360.8	4218.7	4203.4	4162.8
30°	4284.6	4274.5	4249.1	4228.8	4249.1	4274.5	4284.6	4254.2	4112.0	4071.4	4081.6
32.5°	4122.2	4096.8	4071.4	4056.2	4071.4	4096.8	4122.2	4112.0	4005.4	3949.6	3959.7
35°	3929.3	3934.4	3929.3	3914.1	3929.3	3934.4	3929.3	3939.4	3873.4	3822.7	3817.6
37.5°	3792.2	3802.4	3797.3	3777.0	3797.3	3802.4	3792.2	3782.1	3690.7	3675.5	3685.6
40°	3650.1	3655.2	3650.1	3634.8	3650.1	3655.2	3650.1	3629.8	3502.9	3507.9	3543.5
42.5°	3513.0	3507.9	3492.7	3482.5	3492.7	3507.9	3513.0	3482.5	3320.1	3304.9	3370.9
45°	3355.6	3360.7	3330.2	3315.0	3330.2	3360.7	3355.6	3335.3	3167.8	3127.2	3172.9
47.5°	3198.3	3198.3	3172.9	3157.6	3172.9	3198.3	3198.3	3172.9	2995.2	2954.6	2980.0
50°	3030.7	3025.7	2990.1	2985.0	2990.1	3025.7	3030.7	3015.5	2827.7	2792.1	2792.1
52.5°	2837.8	2837.8	2842.9	2853.0	2842.9	2837.8	2837.8	2842.9	2675.4	2639.8	2629.7
55°	2670.3	2675.4	2710.9	2721.1	2710.9	2675.4	2670.3	2670.3	2518.0	2482.5	2462.1
57.5°	2497.7	2497.7	2523.1	2523.1	2523.1	2497.7	2497.7	2487.5	2340.3	2309.9	2299.7
60°	2299.7	2309.9	2330.2	2325.1	2330.2	2309.9	2299.7	2289.5	2162.6	2142.3	2106.8
62.5°	2091.6	2101.7	2106.8	2096.6	2106.8	2101.7	2091.6	2061.1	1984.9	1969.7	1924.0
65°	1873.3	1883.4	1888.5	1878.3	1888.5	1883.4	1873.3	1858.0	1802.2	1776.8	1736.2
67.5°	1649.9	1644.8	1639.7	1660.0	1639.7	1644.8	1649.9	1629.6	1594.1	1573.7	1517.9
70°	1421.4	1421.4	1416.4	1426.5	1416.4	1421.4	1421.4	1406.2	1385.9	1370.7	1319.9
72.5°	1177.8	1172.7	1193.0	1177.8	1193.0	1172.7	1177.8	1172.7	1162.5	1147.3	1096.5
75°	939.2	949.3	939.2	954.4	939.2	949.3	939.2	944.2	939.2	929.0	893.5
77.5°	715.8	726.0	715.8	715.8	715.8	726.0	715.8	720.9	720.9	720.9	690.4
80°	507.7	502.6	502.6	497.5	502.6	502.6	507.7	507.7	512.7	502.6	492.4
82.5°	324.9	319.8	319.8	330.0	319.8	319.8	324.9	330.0	319.8	319.8	319.8
85°	177.7	182.8	172.6	172.6	172.6	182.8	177.7	167.5	177.7	177.7	172.6
87.5°	66.0	60.9	60.9	60.9	60.9	60.9	66.0	71.1	71.1	71.1	76.1
90°	59.0	59.0	59.0	59.0	59.0	59.0	59.0	78.7	104.9	118.0	101.4
92.5°	295.1	283.4	236.4	189.5	236.4	283.4	295.1	418.3	582.6	664.8	583.7
95°	1001.9	966.3	824.1	681.9	824.1	966.3	1001.9	1315.6	1733.9	1943.1	1641.1
97.5°	2312.8	2245.1	1974.5	1703.9	1974.5	2245.1	2312.8	2511.1	2775.5	2907.7	2404.1
100°	3247.9	3167.3	2844.9	2522.5	2844.9	3167.3	3247.9	3233.4	3214.1	3204.4	2645.6
102.5°	4046.3	3977.3	3701.1	3425.0	3701.1	3977.3	4046.3	3793.6	3456.7	3288.3	2721.5
105°	4978.2	4941.1	4792.7	4644.3	4792.7	4941.1	4978.2	4411.8	3656.5	3278.9	2730.1
107.5°	5462.8	5471.8	5507.7	5543.6	5507.7	5471.8	5462.8	4672.7	3619.3	3092.6	2608.7
110°	5587.1	5625.8	5780.4	5935.0	5780.4	5625.8	5587.1	4703.8	3526.1	2937.2	2500.9



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5507.9	5567.3	5804.7	6042.2	5804.7	5567.3	5507.9	4603.9	3398.6	2795.9	2406.9
115°	5239.2	5321.5	5650.8	5980.1	5650.8	5321.5	5239.2	4368.3	3207.2	2626.6	2299.0
117.5°	4867.9	4959.2	5324.4	5689.6	5324.4	4959.2	4867.9	4082.0	3034.1	2510.1	2231.5
120°	4617.9	4706.6	5061.4	5416.2	5061.4	4706.6	4617.9	3899.8	2942.3	2463.5	2208.8
122.5°	4367.8	4455.3	4805.3	5155.3	4805.3	4455.3	4367.8	3721.1	2858.9	2427.8	2196.9
125°	4036.9	4117.5	4439.9	4762.3	4439.9	4117.5	4036.9	3487.6	2755.1	2388.9	2187.0
127.5°	3771.3	3839.3	4111.3	4383.3	4111.3	3839.3	3771.3	3299.6	2670.7	2356.3	2181.3
130°	3603.6	3666.4	3917.7	4169.0	3917.7	3666.4	3603.6	3183.7	2623.8	2343.9	2184.8
132.5°	3460.7	3517.0	3742.0	3967.0	3742.0	3517.0	3460.7	3084.8	2583.6	2333.0	2187.0
135°	3258.8	3307.3	3501.2	3695.2	3501.2	3307.3	3258.8	2944.0	2524.3	2314.4	2185.0
137.5°	3109.6	3149.3	3308.1	3466.9	3308.1	3149.3	3109.6	2843.5	2488.7	2311.3	2198.4
140°	2990.0	3027.1	3175.6	3324.0	3175.6	3027.1	2990.0	2760.1	2453.6	2300.4	2200.6
142.5°	2906.2	2938.1	3065.8	3193.5	3065.8	2938.1	2906.2	2704.3	2435.0	2300.4	2208.6
145°	2780.3	2804.5	2901.1	2997.8	2901.1	2804.5	2780.3	2615.2	2395.0	2284.9	2208.6
147.5°	2674.7	2694.7	2774.8	2854.9	2774.8	2694.7	2674.7	2544.8	2371.5	2284.9	2223.8
150°	2614.1	2630.3	2695.3	2760.2	2695.3	2630.3	2614.1	2504.4	2358.1	2284.9	2231.7
152.5°	2566.0	2578.3	2627.3	2676.3	2627.3	2578.3	2566.0	2472.3	2347.4	2284.9	2236.9
155°	2508.5	2516.6	2549.1	2581.5	2549.1	2516.6	2508.5	2434.0	2334.6	2284.9	2248.3
157.5°	2458.8	2464.5	2487.3	2510.1	2487.3	2464.5	2458.8	2400.8	2323.5	2284.9	2259.7
160°	2434.0	2437.3	2450.4	2463.5	2450.4	2437.3	2434.0	2384.3	2318.0	2284.9	2264.9
162.5°	2410.7	2413.8	2426.2	2438.6	2426.2	2413.8	2410.7	2368.8	2312.9	2284.9	2270.4
165°	2374.9	2378.2	2391.3	2404.5	2391.3	2378.2	2374.9	2344.9	2304.9	2284.9	2278.3
167.5°	2359.4	2360.8	2366.3	2371.8	2366.3	2360.8	2359.4	2339.7	2313.5	2300.4	2294.9
170°	2359.4	2359.4	2359.4	2359.4	2359.4	2359.4	2359.4	2339.7	2313.5	2300.4	2300.0
172.5°	2347.0	2345.8	2340.9	2336.1	2340.9	2345.8	2347.0	2331.5	2310.8	2300.4	2300.4
175°	2329.9	2329.9	2329.9	2329.9	2329.9	2329.9	2329.9	2320.1	2307.0	2300.4	2303.5
177.5°	2326.8	2325.4	2319.9	2314.4	2319.9	2325.4	2326.8	2319.0	2308.7	2303.5	2305.9
180°	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	5366.0	5366.0	5366.0	5366.0	5366.0
2.5°	5300.0	5325.4	5340.6	5360.9	5411.7
5°	5096.9	5193.4	5223.8	5300.0	5391.3
7.5°	4650.2	4944.6	5025.8	5208.6	5350.7
10°	4218.7	4513.1	4655.2	5086.8	5300.0
12.5°	4000.4	4173.0	4269.4	4873.5	5228.9
15°	3863.3	3985.1	4056.2	4589.2	5147.7
17.5°	3756.7	3843.0	3893.8	4310.0	5036.0
20°	3690.7	3731.3	3777.0	4107.0	4909.1
22.5°	3645.0	3619.6	3655.2	3964.8	4736.5
25°	3614.5	3518.1	3558.7	3853.1	4533.4
27.5°	3639.9	3426.7	3441.9	3751.6	4320.2
30°	3645.0	3315.0	3320.1	3645.0	4081.6
32.5°	3609.5	3198.3	3203.3	3513.0	3812.5
35°	3523.2	3061.2	3056.1	3360.7	3447.0
37.5°	3406.4	2914.0	2914.0	3193.2	3046.0
40°	3264.3	2766.7	2782.0	2974.9	2690.6
42.5°	3091.6	2609.4	2629.7	2685.5	2426.6
45°	2903.8	2457.1	2472.3	2269.2	2223.5
47.5°	2695.7	2299.7	2304.8	1883.4	2157.6
50°	2446.9	2137.2	2116.9	1614.4	2152.5
52.5°	2228.6	1959.6	1898.6	1462.1	1954.5
55°	2015.4	1771.7	1639.7	1345.3	1812.3
57.5°	1827.6	1528.1	1401.1	1208.2	1781.9
60°	1655.0	1289.5	1193.0	1061.0	1634.7
62.5°	1512.8	1111.8	1091.5	959.5	1482.4
65°	1360.5	989.9	984.9	873.2	1259.0
67.5°	1213.3	908.7	903.6	791.9	959.5
70°	1055.9	822.4	812.3	705.6	710.7
72.5°	893.5	726.0	715.8	634.6	588.9
75°	731.0	614.3	609.2	553.3	477.2
77.5°	573.7	487.4	497.5	446.7	350.3
80°	411.2	355.4	365.5	319.8	264.0
82.5°	274.1	233.5	243.7	203.1	177.7
85°	152.3	132.0	137.1	106.6	81.2
87.5°	71.1	60.9	60.9	40.6	25.4
90°	68.3	43.5	40.4	27.9	15.5
92.5°	421.5	299.8	273.4	167.7	62.1
95°	1037.0	584.0	535.7	342.4	149.1
97.5°	1396.9	641.5	598.9	428.3	257.8
100°	1527.9	689.7	651.0	496.4	341.7
102.5°	1588.0	737.8	701.7	557.5	413.2
105°	1632.5	809.3	778.7	656.5	534.3
107.5°	1640.8	914.9	886.4	772.5	658.6
110°	1628.3	973.9	948.2	845.3	742.5



TEST NUMBER: P935713

CATALOG NUMBER: SQ4-FA-125U-125D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1628.8	1045.3	1020.8	922.8	824.8
115°	1643.9	1152.5	1129.9	1039.4	949.0
117.5°	1674.4	1256.6	1236.1	1153.9	1071.8
120°	1699.3	1317.2	1297.9	1220.5	1143.2
122.5°	1735.0	1388.6	1369.1	1291.1	1213.1
125°	1783.2	1480.3	1462.5	1391.4	1320.3
127.5°	1831.3	1568.8	1550.9	1479.1	1407.3
130°	1866.5	1627.8	1608.5	1531.2	1453.9
132.5°	1895.0	1676.0	1656.7	1579.3	1502.0
135°	1926.1	1731.9	1714.3	1643.9	1573.5
137.5°	1972.6	1803.3	1785.9	1716.2	1646.5
140°	2001.1	1851.5	1835.4	1771.2	1707.0
142.5°	2024.9	1887.2	1872.4	1813.0	1753.6
145°	2056.0	1941.6	1928.7	1876.9	1825.1
147.5°	2101.6	2009.9	1997.3	1946.9	1896.5
150°	2125.4	2045.7	2034.3	1988.7	1943.1
152.5°	2141.0	2069.0	2060.4	2025.8	1991.3
155°	2175.1	2120.2	2113.8	2088.3	2062.7
157.5°	2209.3	2171.5	2165.3	2140.4	2115.6
160°	2224.8	2194.8	2190.0	2170.6	2151.3
162.5°	2241.4	2219.6	2216.0	2201.5	2187.0
165°	2265.2	2255.3	2252.0	2238.9	2225.8
167.5°	2283.8	2275.5	2274.0	2267.8	2261.6
170°	2299.3	2298.8	2297.3	2291.1	2284.9
172.5°	2300.4	2300.4	2300.1	2298.7	2297.3
175°	2309.7	2314.4	2314.4	2314.4	2314.4
177.5°	2310.8	2314.4	2314.4	2314.4	2314.4
180°	2314.4	2314.4	2314.4	2314.4	2314.4



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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	14.40	15.24	15.37	16.23	17.53	17.25	18.09	18.22	19.08	20.38
	3H	14.87	15.63	15.86	16.63	17.94	18.60	19.36	19.58	20.35	21.67
	4H	15.06	15.78	16.06	16.78	18.11	19.05	19.76	20.04	20.76	22.09
	6H	15.18	15.84	16.19	16.84	18.18	19.34	20.00	20.34	21.00	22.34
	8H	15.18	15.81	16.20	16.83	18.17	19.41	20.04	20.43	21.06	22.40
	12H	15.15	15.75	16.17	16.76	18.12	19.45	20.05	20.47	21.07	22.43
4H	2H	15.43	16.15	16.44	17.15	18.48	17.65	18.37	18.66	19.37	20.70
	3H	16.46	17.06	17.47	18.08	19.42	19.16	19.76	20.18	20.79	22.13
	4H	16.73	17.28	17.75	18.30	19.66	19.70	20.24	20.72	21.26	22.63
	6H	16.86	17.33	17.89	18.37	19.73	20.07	20.54	21.10	21.58	22.94
	8H	16.86	17.30	17.90	18.34	19.71	20.18	20.61	21.21	21.65	23.03
	12H	16.83	17.23	17.88	18.28	19.66	20.24	20.63	21.29	21.68	23.07
8H	4H	17.19	17.63	18.22	18.66	20.04	19.82	20.26	20.85	21.29	22.67
	6H	17.45	17.81	18.51	18.89	20.26	20.26	20.62	21.32	21.70	23.08
	8H	17.49	17.81	18.56	18.87	20.27	20.42	20.73	21.48	21.80	23.19
	12H	17.48	17.76	18.54	18.81	20.25	20.52	20.80	21.59	21.86	23.29
12H	4H	17.20	17.59	18.25	18.64	20.02	19.78	20.18	20.83	21.23	22.61
	6H	17.51	17.83	18.58	18.89	20.29	20.26	20.58	21.32	21.64	23.03
	8H	17.58	17.86	18.65	18.92	20.35	20.42	20.70	21.49	21.76	23.20