

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: P935613

Luminaire Tested: SQ4-FA-125U-100D-835-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935613
REPORT IS A COMBINATION OF REPORTS P933761 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-100D-835-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

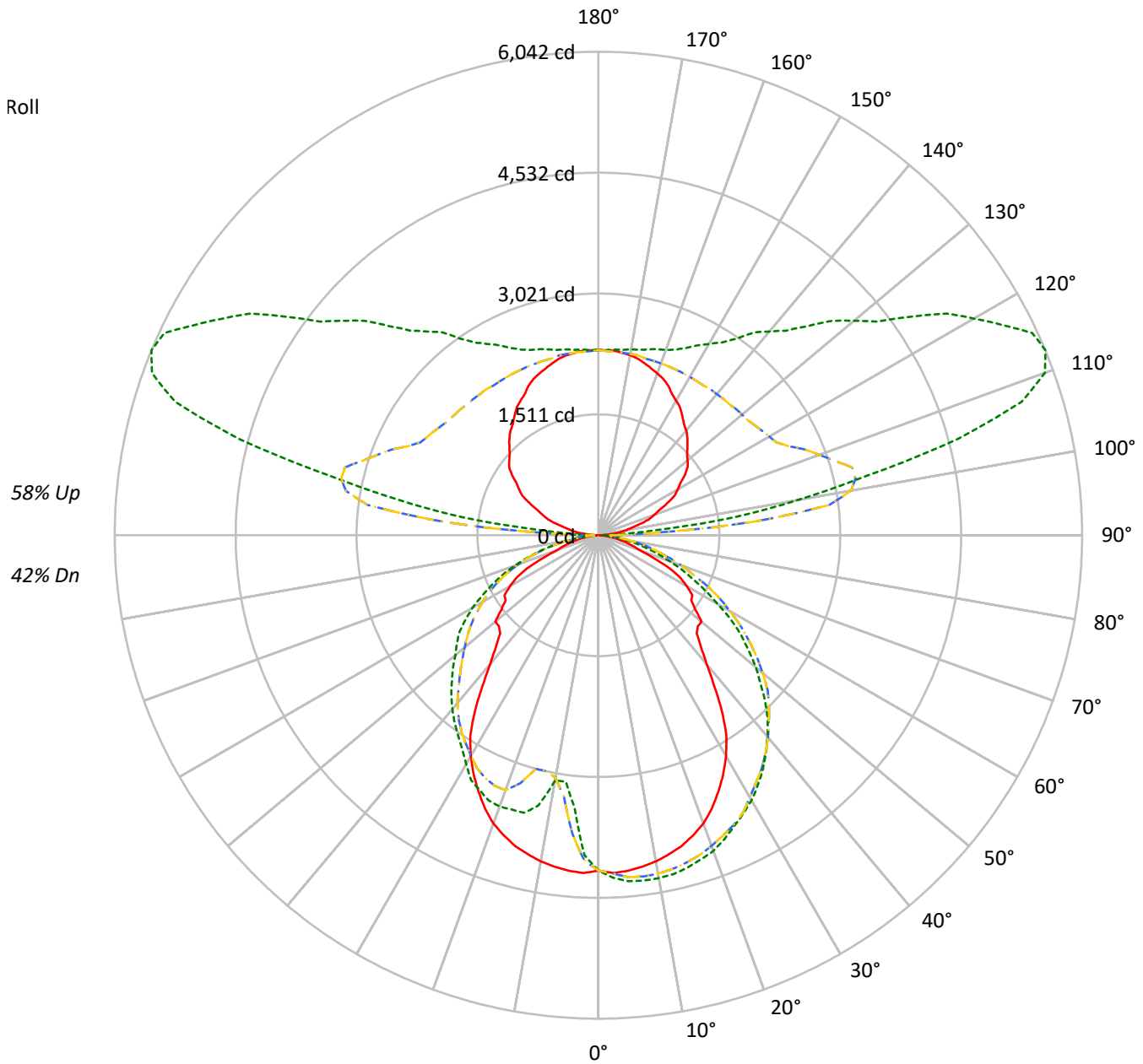
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25875.0 lumens
Efficiency: N/A
Efficacy: 133.9 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): 193.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P935613
CATALOG NUMBER: SQ4-FA-125U-100D-835-1D-UNV-STD-W-12

Luminous Intensity Polar Plot



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



TEST NUMBER: P935613

CATALOG NUMBER: SQ4-FA-125U-100D-835-1D-UNV-STD-W-12

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	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	49	49	49	42
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	41	41	41	35
2	87	80	74	69	80	73	68	64	61	57	54	49	46	44	38	36	35	35	35	35	30
3	80	70	63	57	72	65	58	53	53	49	45	43	40	37	34	31	30	30	30	30	25
4	73	62	54	49	66	57	50	45	47	42	38	38	35	32	30	28	25	25	25	25	22
5	67	55	47	41	61	51	44	39	42	37	33	34	31	27	27	24	22	22	22	22	19
6	62	50	42	36	56	46	39	33	38	33	29	31	27	24	24	22	19	19	19	19	16
7	57	45	37	31	52	41	34	29	34	29	25	28	24	21	22	19	17	17	17	17	15
8	53	40	33	28	48	37	31	26	31	26	22	26	22	19	20	18	15	15	15	15	13
9	49	37	30	25	45	34	27	23	29	24	20	24	20	17	19	16	14	14	14	14	12
10	46	34	27	22	42	31	25	21	26	21	18	22	18	15	17	15	13	13	13	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12959	12959	12959	12959
5°	13061	13082	13061	10286
10°	12978	12886	12978	9212
15°	12842	12607	12842	10527
20°	12578	12276	12578	10549
25°	12033	11794	12033	10325
30°	11327	11393	11327	9835
35°	10104	10886	10104	9295
40°	8424	10290	8424	8888
45°	7531	9592	7531	8419
50°	8007	8760	8007	7949
55°	7541	7863	7541	7676
60°	7783	6678	7783	7031
65°	7068	5520	7068	6171
70°	4906	4399	4906	5172
75°	4319	3252	4319	3894
80°	3505	2150	3505	2341
85°	2054	1138	2054	968

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11536 cd/sqm



TEST NUMBER: P935613

CATALOG NUMBER: SQ4-FA-125U-100D-835-1D-UNV-STD-W-12

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.2	1.5
10°-20°	1073.8	4.1
20°-30°	1659.9	6.4
30°-40°	1981.5	7.7
40°-50°	1993.2	7.7
50°-60°	1734.3	6.7
60°-70°	1229.6	4.8
70°-80°	650.5	2.5
80°-90°	170.8	0.7
90°-100°	1128.1	4.4
100°-110°	2966.0	11.5
110°-120°	3075.4	11.9
120°-130°	2466.8	9.5
130°-140°	1935.6	7.5
140°-150°	1485.6	5.7
150°-160°	1069.9	4.1
160°-170°	654.6	2.5
170°-180°	221.2	0.9
0°-30°	3111.8	12.0
0°-40°	5093.4	19.7
0°-60°	8820.8	34.1
0°-90°	10871.8	42.0
90°-120°	7169.4	27.7
90°-150°	13057.5	50.5
90°-180°	15003.0	58.0
0°-180°	25875.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4190	4190	4190	4190	4190	
5°	4210	4340	4210	3413	4210	399
15°	4019	4301	4019	3591	4019	1131
25°	3540	4011	3540	3512	3540	1625
35°	2691	3579	2691	3056	2691	1665
45°	1736	2949	1736	2588	1736	1391
55°	1415	2176	1415	2124	1415	1300
65°	983	1312	983	1467	983	939
75°	373	622	373	745	373	392
85°	63	158	63	135	63	86
90°	16	59	16	59	16	15
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: P935613

CATALOG NUMBER: SQ4-FA-125U-100D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6
2.5°	4225.3	4225.3	4249.1	4257.0	4257.0	4245.1	4233.2	4245.1	4280.8	4292.7	4288.7
5°	4209.5	4241.2	4284.8	4292.7	4300.6	4296.7	4288.7	4296.7	4336.3	4344.2	4348.2
7.5°	4177.7	4237.2	4292.7	4304.6	4316.5	4304.6	4300.6	4308.6	4348.2	4356.1	4356.1
10°	4138.1	4221.4	4284.8	4292.7	4304.6	4292.7	4292.7	4308.6	4348.2	4356.1	4360.1
12.5°	4082.6	4197.6	4257.0	4265.0	4280.8	4276.8	4272.9	4288.7	4328.4	4336.3	4336.3
15°	4019.2	4154.0	4209.5	4217.4	4245.1	4237.2	4237.2	4253.1	4296.7	4308.6	4304.6
17.5°	3932.0	4098.5	4161.9	4173.8	4193.6	4189.6	4193.6	4209.5	4249.1	4257.0	4261.0
20°	3832.9	4023.2	4098.5	4110.4	4130.2	4130.2	4130.2	4150.0	4189.6	4205.5	4205.5
22.5°	3698.1	3943.9	4023.2	4031.1	4054.9	4054.9	4062.8	4090.5	4126.2	4130.2	4130.2
25°	3539.6	3856.7	3924.1	3947.9	3971.6	3983.5	3995.4	4011.3	4023.2	4019.2	4023.2
27.5°	3373.1	3745.7	3832.9	3848.8	3880.5	3892.4	3908.2	3912.2	3916.1	3928.0	3920.1
30°	3186.8	3591.1	3721.9	3737.8	3789.3	3797.2	3781.4	3789.3	3809.1	3817.1	3825.0
32.5°	2976.7	3361.2	3607.0	3642.6	3690.2	3666.4	3662.5	3674.4	3706.1	3706.1	3714.0
35°	2691.4	3182.9	3500.0	3531.7	3567.3	3539.6	3555.4	3559.4	3579.2	3591.1	3587.2
37.5°	2378.2	3028.3	3389.0	3412.8	3440.5	3404.8	3428.6	3440.5	3456.4	3448.4	3448.4
40°	2100.8	2786.5	3258.2	3274.0	3297.8	3270.1	3293.8	3301.8	3309.7	3301.8	3297.8
42.5°	1894.7	2520.9	3119.4	3139.3	3123.4	3143.2	3151.1	3167.0	3155.1	3139.3	3139.3
45°	1736.1	2449.6	2968.8	2992.6	2968.8	3000.5	3012.4	3012.4	2976.7	2968.8	2964.9
47.5°	1684.6	2306.9	2818.2	2818.2	2806.3	2845.9	2865.8	2838.0	2802.3	2790.5	2790.5
50°	1680.6	2148.3	2612.1	2596.2	2651.7	2699.3	2679.5	2651.7	2624.0	2580.4	2580.4
52.5°	1526.0	1954.1	2346.5	2406.0	2493.2	2520.9	2489.2	2461.5	2413.9	2394.1	2378.2
55°	1415.0	1752.0	2104.7	2223.6	2314.8	2350.5	2291.0	2263.3	2191.9	2180.0	2172.1
57.5°	1391.3	1458.6	1882.8	2033.4	2144.4	2140.4	2104.7	2053.2	1993.7	1981.9	1977.9
60°	1276.3	1054.3	1644.9	1823.3	1938.3	1926.4	1894.7	1847.1	1791.6	1783.7	1775.7
62.5°	1157.4	765.0	1375.4	1577.6	1740.1	1736.1	1708.4	1637.0	1597.4	1577.6	1561.7
65°	983.0	642.1	979.0	1312.0	1545.8	1553.8	1494.3	1442.8	1399.2	1375.4	1371.4
67.5°	749.1	523.2	661.9	1094.0	1359.6	1351.6	1276.3	1252.5	1197.0	1185.1	1161.4
70°	554.9	348.8	459.8	887.9	1177.2	1157.4	1097.9	1070.2	1018.7	990.9	975.1
72.5°	459.8	281.4	336.9	689.7	990.9	967.1	915.6	883.9	840.3	816.5	800.7
75°	372.6	297.3	257.6	511.3	804.6	788.8	741.2	709.5	673.8	642.1	646.1
77.5°	273.5	277.5	206.1	376.6	638.2	614.4	586.6	547.0	531.1	499.4	499.4
80°	206.1	218.0	154.6	257.6	459.8	459.8	436.0	408.3	380.5	364.7	364.7
82.5°	138.7	138.7	114.9	162.5	313.1	301.2	285.4	277.5	261.6	253.7	253.7
85°	63.4	79.3	71.3	99.1	170.4	178.4	178.4	170.4	166.5	158.5	162.5
87.5°	19.8	35.7	43.6	55.5	87.2	91.2	95.1	95.1	95.1	99.1	99.1
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



TEST NUMBER: P935613

CATALOG NUMBER: SQ4-FA-125U-100D-835-1D-UNV-STD-W-12

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



TEST NUMBER: P935613

CATALOG NUMBER: SQ4-FA-125U-100D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6
2.5°	4296.7	4284.8	4296.7	4288.7	4292.7	4280.8	4245.1	4233.2	4245.1	4257.0	4257.0
5°	4348.2	4340.3	4348.2	4348.2	4344.2	4336.3	4296.7	4288.7	4296.7	4300.6	4292.7
7.5°	4364.0	4352.2	4364.0	4356.1	4356.1	4348.2	4308.6	4300.6	4304.6	4316.5	4304.6
10°	4364.0	4352.2	4364.0	4360.1	4356.1	4348.2	4308.6	4292.7	4292.7	4304.6	4292.7
12.5°	4344.2	4336.3	4344.2	4336.3	4336.3	4328.4	4288.7	4272.9	4276.8	4280.8	4265.0
15°	4312.5	4300.6	4312.5	4304.6	4308.6	4296.7	4253.1	4237.2	4237.2	4245.1	4217.4
17.5°	4265.0	4249.1	4265.0	4261.0	4257.0	4249.1	4209.5	4193.6	4189.6	4193.6	4173.8
20°	4209.5	4197.6	4209.5	4205.5	4205.5	4189.6	4150.0	4130.2	4130.2	4130.2	4110.4
22.5°	4122.3	4110.4	4122.3	4130.2	4130.2	4126.2	4090.5	4062.8	4054.9	4054.9	4031.1
25°	4023.2	4011.3	4023.2	4023.2	4019.2	4023.2	4011.3	3995.4	3983.5	3971.6	3947.9
27.5°	3928.0	3920.1	3928.0	3920.1	3928.0	3916.1	3912.2	3908.2	3892.4	3880.5	3848.8
30°	3832.9	3825.0	3832.9	3825.0	3817.1	3809.1	3789.3	3781.4	3797.2	3789.3	3737.8
32.5°	3714.0	3706.1	3714.0	3714.0	3706.1	3706.1	3674.4	3662.5	3666.4	3690.2	3642.6
35°	3591.1	3579.2	3591.1	3587.2	3591.1	3579.2	3559.4	3555.4	3539.6	3567.3	3531.7
37.5°	3448.4	3436.5	3448.4	3448.4	3448.4	3456.4	3440.5	3428.6	3404.8	3440.5	3412.8
40°	3301.8	3285.9	3301.8	3297.8	3301.8	3309.7	3301.8	3293.8	3270.1	3297.8	3274.0
42.5°	3135.3	3131.3	3135.3	3139.3	3139.3	3155.1	3167.0	3151.1	3143.2	3123.4	3139.3
45°	2956.9	2949.0	2956.9	2964.9	2968.8	2976.7	3012.4	3012.4	3000.5	2968.8	2992.6
47.5°	2766.7	2746.9	2766.7	2790.5	2790.5	2802.3	2838.0	2865.8	2845.9	2806.3	2818.2
50°	2564.5	2568.5	2564.5	2580.4	2580.4	2624.0	2651.7	2679.5	2699.3	2651.7	2596.2
52.5°	2366.3	2362.4	2366.3	2378.2	2394.1	2413.9	2461.5	2489.2	2520.9	2493.2	2406.0
55°	2168.1	2176.1	2168.1	2172.1	2180.0	2191.9	2263.3	2291.0	2350.5	2314.8	2223.6
57.5°	1970.0	1958.1	1970.0	1977.9	1981.9	1993.7	2053.2	2104.7	2140.4	2144.4	2033.4
60°	1740.1	1724.2	1740.1	1775.7	1783.7	1791.6	1847.1	1894.7	1926.4	1938.3	1823.3
62.5°	1537.9	1510.2	1537.9	1561.7	1577.6	1597.4	1637.0	1708.4	1736.1	1740.1	1577.6
65°	1323.9	1312.0	1323.9	1371.4	1375.4	1399.2	1442.8	1494.3	1553.8	1545.8	1312.0
67.5°	1129.7	1129.7	1129.7	1161.4	1185.1	1197.0	1252.5	1276.3	1351.6	1359.6	1094.0
70°	951.3	947.3	951.3	975.1	990.9	1018.7	1070.2	1097.9	1157.4	1177.2	887.9
72.5°	780.9	776.9	780.9	800.7	816.5	840.3	883.9	915.6	967.1	990.9	689.7
75°	630.2	622.3	630.2	646.1	642.1	673.8	709.5	741.2	788.8	804.6	511.3
77.5°	483.6	483.6	483.6	499.4	499.4	531.1	547.0	586.6	614.4	638.2	376.6
80°	360.7	356.7	360.7	364.7	364.7	380.5	408.3	436.0	459.8	459.8	257.6
82.5°	253.7	245.7	253.7	253.7	253.7	261.6	277.5	285.4	301.2	313.1	162.5
85°	158.5	158.5	158.5	162.5	158.5	166.5	170.4	178.4	178.4	170.4	99.1
87.5°	103.1	99.1	103.1	99.1	99.1	95.1	95.1	95.1	91.2	87.2	55.5
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: P935613

CATALOG NUMBER: SQ4-FA-125U-100D-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: P935613

CATALOG NUMBER: SQ4-FA-125U-100D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6
2.5°	4249.1	4225.3	4225.3	4185.7	4169.8	4157.9	4138.1	4078.7	4062.8	4046.9	4070.7
5°	4284.8	4241.2	4209.5	4138.1	4078.7	4054.9	3979.6	3836.9	3741.7	3670.4	3630.8
7.5°	4292.7	4237.2	4177.7	4066.8	3924.1	3860.7	3630.8	3369.2	3297.8	3234.4	3194.7
10°	4284.8	4221.4	4138.1	3971.6	3634.7	3523.7	3293.8	3123.4	3079.8	3067.9	3079.8
12.5°	4257.0	4197.6	4082.6	3805.2	3333.5	3258.2	3123.4	3024.3	3016.4	3036.2	3143.2
15°	4209.5	4154.0	4019.2	3583.2	3167.0	3111.5	3016.4	2980.7	3024.3	3163.0	3484.1
17.5°	4161.9	4098.5	3932.0	3365.2	3040.2	3000.5	2933.1	3004.5	3250.2	3436.5	3543.6
20°	4098.5	4023.2	3832.9	3206.6	2949.0	2913.3	2881.6	3202.7	3389.0	3456.4	3515.8
22.5°	4023.2	3943.9	3698.1	3095.7	2853.9	2826.1	2845.9	3313.7	3389.0	3436.5	3488.1
25°	3924.1	3856.7	3539.6	3008.5	2778.6	2746.9	2822.2	3301.8	3345.4	3357.3	3460.3
27.5°	3832.9	3745.7	3373.1	2929.2	2687.4	2675.5	2842.0	3250.2	3282.0	3293.8	3404.8
30°	3721.9	3591.1	3186.8	2845.9	2592.3	2588.3	2845.9	3186.8	3178.9	3210.6	3321.6
32.5°	3607.0	3361.2	2976.7	2742.9	2501.1	2497.1	2818.2	3091.7	3083.8	3127.4	3210.6
35°	3500.0	3182.9	2691.4	2624.0	2386.2	2390.1	2750.8	2980.7	2984.7	3024.3	3075.8
37.5°	3389.0	3028.3	2378.2	2493.2	2275.2	2275.2	2659.6	2877.7	2869.7	2881.6	2953.0
40°	3258.2	2786.5	2100.8	2322.7	2172.1	2160.2	2548.7	2766.7	2738.9	2735.0	2834.1
42.5°	3119.4	2520.9	1894.7	2096.8	2053.2	2037.3	2413.9	2631.9	2580.4	2592.3	2719.1
45°	2968.8	2449.6	1736.1	1771.8	1930.3	1918.4	2267.2	2477.3	2441.6	2473.4	2604.2
47.5°	2818.2	2306.9	1684.6	1470.5	1799.5	1795.6	2104.7	2326.7	2306.9	2338.6	2477.3
50°	2612.1	2148.3	1680.6	1260.5	1652.9	1668.7	1910.5	2180.0	2180.0	2207.8	2354.4
52.5°	2346.5	1954.1	1526.0	1141.5	1482.4	1530.0	1740.1	2053.2	2061.1	2088.9	2219.7
55°	2104.7	1752.0	1415.0	1050.4	1280.3	1383.3	1573.6	1922.4	1938.3	1966.0	2084.9
57.5°	1882.8	1458.6	1391.3	943.4	1094.0	1193.1	1426.9	1795.6	1803.5	1827.3	1942.2
60°	1644.9	1054.3	1276.3	828.4	931.5	1006.8	1292.2	1644.9	1672.7	1688.5	1787.6
62.5°	1375.4	765.0	1157.4	749.1	852.2	868.1	1181.2	1502.2	1537.9	1549.8	1609.3
65°	979.0	642.1	983.0	681.8	769.0	772.9	1062.3	1355.6	1387.3	1407.1	1450.7
67.5°	661.9	523.2	749.1	618.3	705.5	709.5	947.3	1185.1	1228.7	1244.6	1272.4
70°	459.8	348.8	554.9	551.0	634.2	642.1	824.5	1030.6	1070.2	1082.1	1097.9
72.5°	336.9	281.4	459.8	495.5	558.9	566.8	697.6	856.2	895.8	907.7	915.6
75°	257.6	297.3	372.6	432.0	475.6	479.6	570.8	697.6	725.4	733.3	737.2
77.5°	206.1	277.5	273.5	348.8	388.4	380.5	447.9	539.1	562.8	562.8	562.8
80°	154.6	218.0	206.1	249.7	285.4	277.5	321.1	384.5	392.4	400.3	396.4
82.5°	114.9	138.7	138.7	158.5	190.3	182.3	214.0	249.7	249.7	249.7	257.6
85°	71.3	79.3	63.4	83.2	107.0	103.1	118.9	134.8	138.7	138.7	130.8
87.5°	43.6	35.7	19.8	31.7	47.6	47.6	55.5	59.5	55.5	55.5	55.5
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: P935613

CATALOG NUMBER: SQ4-FA-125U-100D-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: P935613

CATALOG NUMBER: SQ4-FA-125U-100D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6
2.5°	4043.0	4031.1	4046.9	4003.3	4046.9	4031.1	4043.0	4070.7	4046.9	4062.8	4078.7
5°	3547.5	3527.7	3464.3	3412.8	3464.3	3527.7	3547.5	3630.8	3670.4	3741.7	3836.9
7.5°	3171.0	3155.1	3139.3	3107.5	3139.3	3155.1	3171.0	3194.7	3234.4	3297.8	3369.2
10°	3087.7	3091.7	3115.5	3111.5	3115.5	3091.7	3087.7	3079.8	3067.9	3079.8	3123.4
12.5°	3301.8	3337.4	3468.2	3460.3	3468.2	3337.4	3301.8	3143.2	3036.2	3016.4	3024.3
15°	3547.5	3559.4	3587.2	3591.1	3587.2	3559.4	3547.5	3484.1	3163.0	3024.3	2980.7
17.5°	3571.3	3575.3	3595.1	3595.1	3595.1	3575.3	3571.3	3543.6	3436.5	3250.2	3004.5
20°	3551.5	3559.4	3599.0	3607.0	3599.0	3559.4	3551.5	3515.8	3456.4	3389.0	3202.7
22.5°	3543.6	3559.4	3591.1	3587.2	3591.1	3559.4	3543.6	3488.1	3436.5	3389.0	3313.7
25°	3503.9	3503.9	3507.9	3511.8	3507.9	3503.9	3503.9	3460.3	3357.3	3345.4	3301.8
27.5°	3420.7	3428.6	3452.4	3448.4	3452.4	3428.6	3420.7	3404.8	3293.8	3282.0	3250.2
30°	3345.4	3337.4	3317.6	3301.8	3317.6	3337.4	3345.4	3321.6	3210.6	3178.9	3186.8
32.5°	3218.5	3198.7	3178.9	3167.0	3178.9	3198.7	3218.5	3210.6	3127.4	3083.8	3091.7
35°	3067.9	3071.9	3067.9	3056.0	3067.9	3071.9	3067.9	3075.8	3024.3	2984.7	2980.7
37.5°	2960.9	2968.8	2964.9	2949.0	2964.9	2968.8	2960.9	2953.0	2881.6	2869.7	2877.7
40°	2849.9	2853.9	2849.9	2838.0	2849.9	2853.9	2849.9	2834.1	2735.0	2738.9	2766.7
42.5°	2742.9	2738.9	2727.0	2719.1	2727.0	2738.9	2742.9	2719.1	2592.3	2580.4	2631.9
45°	2620.0	2624.0	2600.2	2588.3	2600.2	2624.0	2620.0	2604.2	2473.4	2441.6	2477.3
47.5°	2497.1	2497.1	2477.3	2465.4	2477.3	2497.1	2497.1	2477.3	2338.6	2306.9	2326.7
50°	2366.3	2362.4	2334.6	2330.7	2334.6	2362.4	2366.3	2354.4	2207.8	2180.0	2180.0
52.5°	2215.7	2215.7	2219.7	2227.6	2219.7	2215.7	2215.7	2219.7	2088.9	2061.1	2053.2
55°	2084.9	2088.9	2116.6	2124.5	2116.6	2088.9	2084.9	2084.9	1966.0	1938.3	1922.4
57.5°	1950.1	1950.1	1970.0	1970.0	1970.0	1950.1	1950.1	1942.2	1827.3	1803.5	1795.6
60°	1795.6	1803.5	1819.3	1815.4	1819.3	1803.5	1795.6	1787.6	1688.5	1672.7	1644.9
62.5°	1633.0	1641.0	1644.9	1637.0	1644.9	1641.0	1633.0	1609.3	1549.8	1537.9	1502.2
65°	1462.6	1470.5	1474.5	1466.6	1474.5	1470.5	1462.6	1450.7	1407.1	1387.3	1355.6
67.5°	1288.2	1284.2	1280.3	1296.1	1280.3	1284.2	1288.2	1272.4	1244.6	1228.7	1185.1
70°	1109.8	1109.8	1105.9	1113.8	1105.9	1109.8	1109.8	1097.9	1082.1	1070.2	1030.6
72.5°	919.6	915.6	931.5	919.6	931.5	915.6	919.6	915.6	907.7	895.8	856.2
75°	733.3	741.2	733.3	745.2	733.3	741.2	733.3	737.2	733.3	725.4	697.6
77.5°	558.9	566.8	558.9	558.9	558.9	566.8	558.9	562.8	562.8	562.8	539.1
80°	396.4	392.4	392.4	388.4	392.4	392.4	396.4	396.4	400.3	392.4	384.5
82.5°	253.7	249.7	249.7	257.6	249.7	249.7	253.7	257.6	249.7	249.7	249.7
85°	138.7	142.7	134.8	134.8	134.8	142.7	138.7	130.8	138.7	138.7	134.8
87.5°	51.5	47.6	47.6	47.6	47.6	47.6	51.5	55.5	55.5	55.5	59.5
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



TEST NUMBER: P935613

CATALOG NUMBER: SQ4-FA-125U-100D-835-1D-UNV-STD-W-12

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



TEST NUMBER: P935613

CATALOG NUMBER: SQ4-FA-125U-100D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4189.6	4189.6	4189.6	4189.6	4189.6
2.5°	4138.1	4157.9	4169.8	4185.7	4225.3
5°	3979.6	4054.9	4078.7	4138.1	4209.5
7.5°	3630.8	3860.7	3924.1	4066.8	4177.7
10°	3293.8	3523.7	3634.7	3971.6	4138.1
12.5°	3123.4	3258.2	3333.5	3805.2	4082.6
15°	3016.4	3111.5	3167.0	3583.2	4019.2
17.5°	2933.1	3000.5	3040.2	3365.2	3932.0
20°	2881.6	2913.3	2949.0	3206.6	3832.9
22.5°	2845.9	2826.1	2853.9	3095.7	3698.1
25°	2822.2	2746.9	2778.6	3008.5	3539.6
27.5°	2842.0	2675.5	2687.4	2929.2	3373.1
30°	2845.9	2588.3	2592.3	2845.9	3186.8
32.5°	2818.2	2497.1	2501.1	2742.9	2976.7
35°	2750.8	2390.1	2386.2	2624.0	2691.4
37.5°	2659.6	2275.2	2275.2	2493.2	2378.2
40°	2548.7	2160.2	2172.1	2322.7	2100.8
42.5°	2413.9	2037.3	2053.2	2096.8	1894.7
45°	2267.2	1918.4	1930.3	1771.8	1736.1
47.5°	2104.7	1795.6	1799.5	1470.5	1684.6
50°	1910.5	1668.7	1652.9	1260.5	1680.6
52.5°	1740.1	1530.0	1482.4	1141.5	1526.0
55°	1573.6	1383.3	1280.3	1050.4	1415.0
57.5°	1426.9	1193.1	1094.0	943.4	1391.3
60°	1292.2	1006.8	931.5	828.4	1276.3
62.5°	1181.2	868.1	852.2	749.1	1157.4
65°	1062.3	772.9	769.0	681.8	983.0
67.5°	947.3	709.5	705.5	618.3	749.1
70°	824.5	642.1	634.2	551.0	554.9
72.5°	697.6	566.8	558.9	495.5	459.8
75°	570.8	479.6	475.6	432.0	372.6
77.5°	447.9	380.5	388.4	348.8	273.5
80°	321.1	277.5	285.4	249.7	206.1
82.5°	214.0	182.3	190.3	158.5	138.7
85°	118.9	103.1	107.0	83.2	63.4
87.5°	55.5	47.6	47.6	31.7	19.8
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: P935613
 CATALOG NUMBER: SQ4-FA-125U-100D-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



TEST NUMBER: P935613
 CATALOG NUMBER: SQ4-FA-125U-100D-835-1D-UNV-STD-W-12

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	12.93	13.72	13.95	14.75	16.13	15.78	16.57	16.80	17.60	18.98
	3H	13.40	14.11	14.43	15.15	16.55	17.13	17.84	18.16	18.88	20.28
	4H	13.59	14.26	14.63	15.30	16.71	17.57	18.24	18.62	19.29	20.69
	6H	13.70	14.32	14.76	15.37	16.79	17.86	18.48	18.91	19.52	20.94
	8H	13.70	14.29	14.76	15.35	16.77	17.93	18.52	18.99	19.59	21.00
	12H	13.67	14.23	14.73	15.29	16.73	17.97	18.53	19.04	19.59	21.03
4H	2H	13.96	14.63	15.01	15.67	17.08	16.18	16.85	17.23	17.89	19.30
	3H	14.98	15.54	16.04	16.61	18.03	17.68	18.25	18.74	19.32	20.74
	4H	15.25	15.76	16.32	16.83	18.27	18.21	18.73	19.28	19.79	21.23
	6H	15.37	15.81	16.45	16.90	18.33	18.58	19.02	19.66	20.11	21.54
	8H	15.38	15.79	16.45	16.86	18.32	18.69	19.10	19.76	20.18	21.63
	12H	15.34	15.71	16.43	16.80	18.26	18.75	19.12	19.84	20.21	21.67
8H	4H	15.70	16.11	16.78	17.19	18.64	18.33	18.74	19.41	19.82	21.27
	6H	15.96	16.30	17.06	17.42	18.87	18.77	19.11	19.87	20.23	21.68
	8H	16.00	16.30	17.11	17.40	18.87	18.93	19.22	20.03	20.33	21.80
	12H	15.98	16.25	17.09	17.34	18.85	19.03	19.29	20.13	20.39	21.89
12H	4H	15.71	16.08	16.80	17.17	18.63	18.29	18.67	19.39	19.76	21.22
	6H	16.02	16.32	17.13	17.42	18.89	18.77	19.07	19.87	20.17	21.64
	8H	16.09	16.35	17.19	17.45	18.95	18.93	19.19	20.04	20.29	21.80