

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: P935609

Luminaire Tested: SQ4-FA-125U-100D-830-1D-UNV-STD-W-12

Issue Date: 12/17/2024

**Test Information**

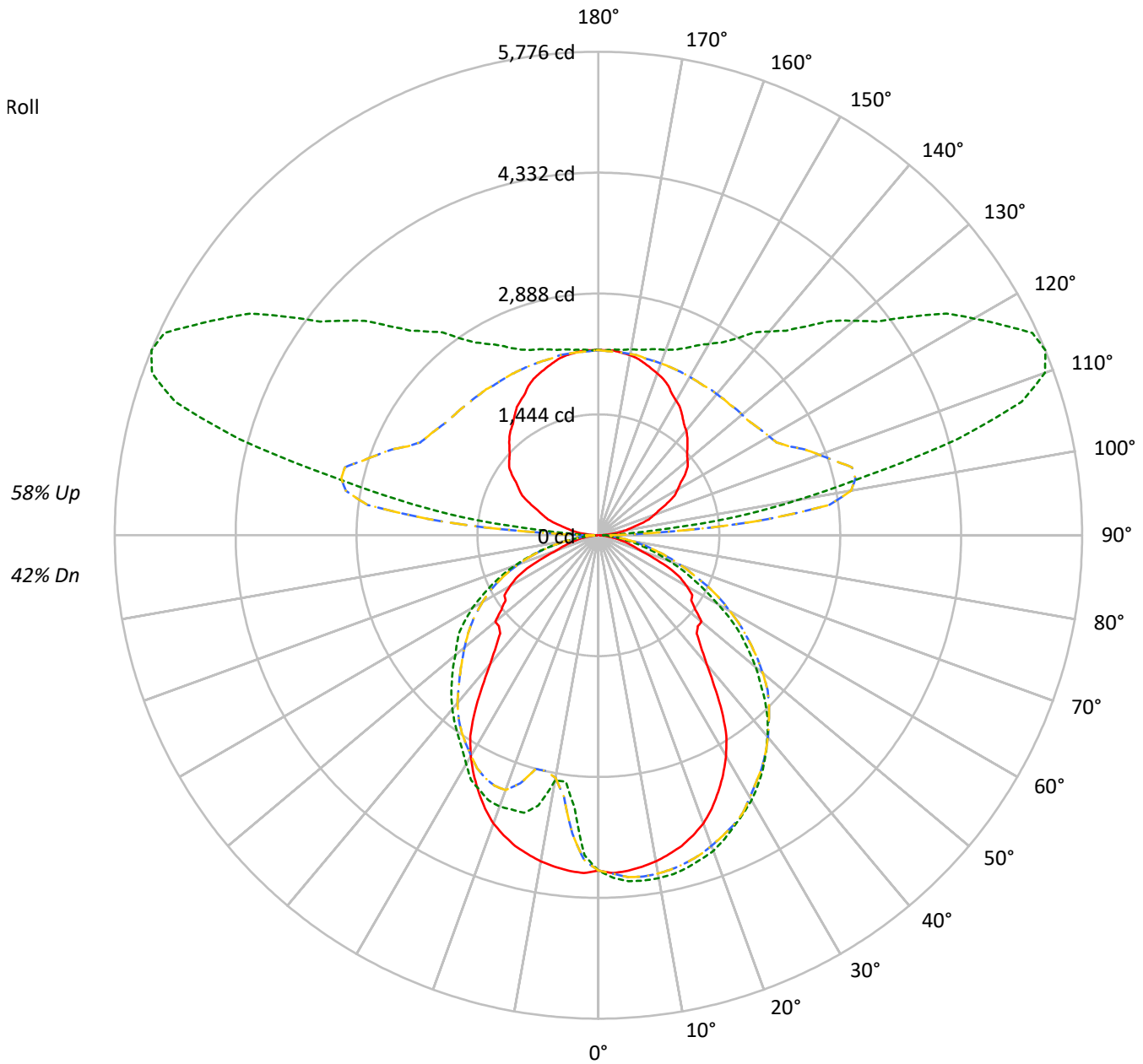
Test Method: LM-79-2019  
Report Number: P935609  
REPORT IS A COMBINATION OF REPORTS P933761 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-100D-830-1D-UNV-STD-W-12  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24736.5 lumens  
Efficiency: N/A  
Efficacy: 128.0 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

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### Luminous Intensity Polar Plot



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



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

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	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°	12389	12389	12389	12389
5°	12486	12506	12486	9833
10°	12407	12319	12407	8807
15°	12277	12052	12277	10064
20°	12025	11736	12025	10085
25°	11504	11275	11504	9871
30°	10829	10892	10829	9402
35°	9659	10407	9659	8886
40°	8053	9837	8053	8496
45°	7200	9170	7200	8048
50°	7655	8374	7655	7599
55°	7209	7517	7209	7338
60°	7440	6384	7440	6722
65°	6757	5277	6757	5899
70°	4690	4206	4690	4945
75°	4128	3109	4128	3723
80°	3351	2055	3351	2238
85°	1964	1088	1964	926

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 11028 cd/sqm



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CATALOG NUMBER: SQ4-FA-125U-100D-830-1D-UNV-STD-W-12

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	361.5	1.5
10°-20°	1026.5	4.1
20°-30°	1586.8	6.4
30°-40°	1894.3	7.7
40°-50°	1905.5	7.7
50°-60°	1658.0	6.7
60°-70°	1175.5	4.8
70°-80°	621.9	2.5
80°-90°	163.3	0.7
90°-100°	1078.5	4.4
100°-110°	2835.5	11.5
110°-120°	2940.1	11.9
120°-130°	2358.3	9.5
130°-140°	1850.4	7.5
140°-150°	1420.3	5.7
150°-160°	1022.8	4.1
160°-170°	625.8	2.5
170°-180°	211.4	0.9
0°-30°	2974.9	12.0
0°-40°	4869.3	19.7
0°-60°	8432.7	34.1
0°-90°	10393.5	42.0
90°-120°	6854.0	27.7
90°-150°	12482.9	50.5
90°-180°	14343.0	58.0
0°-180°	24736.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4005	4005	4005	4005	4005	
5°	4024	4149	4024	3263	4024	382
15°	3842	4111	3842	3433	3842	1081
25°	3384	3835	3384	3357	3384	1554
35°	2573	3422	2573	2922	2573	1592
45°	1660	2819	1660	2474	1660	1330
55°	1353	2080	1353	2031	1353	1243
65°	940	1254	940	1402	940	898
75°	356	595	356	712	356	375
85°	61	152	61	129	61	82
90°	15	56	15	56	15	15
95°	142	652	142	652	142	158
105°	511	4440	511	4440	511	542
115°	907	5717	907	5717	907	896
125°	1262	4553	1262	4553	1262	1121
135°	1504	3533	1504	3533	1504	1164
145°	1745	2866	1745	2866	1745	1093
155°	1972	2468	1972	2468	1972	906
165°	2128	2299	2128	2299	2128	601
175°	2213	2227	2213	2227	2213	210
180°	2213	2213	2213	2213	2213	



TEST NUMBER: P935609

CATALOG NUMBER: SQ4-FA-125U-100D-830-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3
2.5°	4039.4	4039.4	4062.1	4069.7	4069.7	4058.3	4046.9	4058.3	4092.4	4103.8	4100.0
5°	4024.3	4054.6	4096.3	4103.8	4111.4	4107.6	4100.0	4107.6	4145.5	4153.1	4156.9
7.5°	3993.9	4050.8	4103.8	4115.2	4126.6	4115.2	4111.4	4119.0	4156.9	4164.4	4164.4
10°	3956.0	4035.7	4096.3	4103.8	4115.2	4103.8	4103.8	4119.0	4156.9	4164.4	4168.3
12.5°	3903.0	4012.9	4069.7	4077.3	4092.4	4088.6	4084.9	4100.0	4138.0	4145.5	4145.5
15°	3842.4	3971.2	4024.3	4031.8	4058.3	4050.8	4050.8	4066.0	4107.6	4119.0	4115.2
17.5°	3759.0	3918.2	3978.8	3990.2	4009.1	4005.3	4009.1	4024.3	4062.1	4069.7	4073.5
20°	3664.3	3846.2	3918.2	3929.5	3948.5	3948.5	3948.5	3967.4	4005.3	4020.5	4020.5
22.5°	3535.4	3770.4	3846.2	3853.7	3876.5	3876.5	3884.0	3910.5	3944.6	3948.5	3948.5
25°	3383.9	3687.0	3751.4	3774.2	3796.8	3808.2	3819.6	3834.8	3846.2	3842.4	3846.2
27.5°	3224.7	3580.9	3664.3	3679.5	3709.8	3721.1	3736.2	3740.1	3743.8	3755.2	3747.6
30°	3046.6	3433.1	3558.1	3573.3	3622.6	3630.1	3615.0	3622.6	3641.5	3649.1	3656.7
32.5°	2845.7	3213.3	3448.3	3482.3	3527.8	3505.1	3501.4	3512.7	3543.0	3543.0	3550.6
35°	2573.0	3042.9	3346.0	3376.3	3410.3	3383.9	3399.0	3402.8	3421.7	3433.1	3429.4
37.5°	2273.6	2895.1	3239.9	3262.6	3289.1	3255.0	3277.7	3289.1	3304.3	3296.7	3296.7
40°	2008.4	2663.9	3114.8	3129.9	3152.7	3126.2	3148.9	3156.5	3164.1	3156.5	3152.7
42.5°	1811.3	2410.0	2982.1	3001.2	2986.0	3004.9	3012.5	3027.7	3016.3	3001.2	3001.2
45°	1659.7	2341.8	2838.2	2860.9	2838.2	2868.5	2879.9	2879.9	2845.7	2838.2	2834.4
47.5°	1610.5	2205.4	2694.2	2694.2	2682.8	2720.7	2739.7	2713.1	2679.0	2667.7	2667.7
50°	1606.7	2053.8	2497.2	2482.0	2535.0	2580.5	2561.6	2535.0	2508.5	2466.9	2466.9
52.5°	1458.9	1868.1	2243.3	2300.1	2383.5	2410.0	2379.7	2353.2	2307.7	2288.8	2273.6
55°	1352.7	1674.9	2012.1	2125.8	2212.9	2247.1	2190.2	2163.7	2095.5	2084.1	2076.5
57.5°	1330.1	1394.4	1800.0	1943.9	2050.0	2046.2	2012.1	1962.9	1906.0	1894.7	1890.9
60°	1220.1	1007.9	1572.5	1743.1	1853.0	1841.6	1811.3	1765.8	1712.8	1705.2	1697.6
62.5°	1106.5	731.3	1314.9	1508.2	1663.5	1659.7	1633.2	1565.0	1527.1	1508.2	1493.0
65°	939.7	613.8	935.9	1254.3	1477.8	1485.4	1428.6	1379.3	1337.6	1314.9	1311.1
67.5°	716.1	500.2	632.8	1045.9	1299.8	1292.1	1220.1	1197.4	1144.3	1133.0	1110.3
70°	530.5	333.5	439.6	848.8	1125.4	1106.5	1049.6	1023.1	973.9	947.3	932.2
72.5°	439.6	269.0	322.1	659.4	947.3	924.5	875.3	845.0	803.3	780.6	765.5
75°	356.2	284.2	246.3	488.8	769.2	754.1	708.6	678.3	644.2	613.8	617.7
77.5°	261.5	265.3	197.0	360.0	610.1	587.4	560.8	522.9	507.7	477.4	477.4
80°	197.0	208.4	147.8	246.3	439.6	439.6	416.8	390.3	363.8	348.7	348.7
82.5°	132.6	132.6	109.8	155.4	299.3	287.9	272.8	265.3	250.1	242.5	242.5
85°	60.6	75.8	68.2	94.7	162.9	170.6	170.6	162.9	159.2	151.5	155.4
87.5°	18.9	34.1	41.7	53.1	83.4	87.2	90.9	90.9	90.9	94.7	94.7
90°	14.8	26.7	38.6	41.6	65.3	96.9	112.8	100.3	75.2	56.4	56.4
92.5°	59.4	160.3	261.4	286.6	403.0	558.0	635.5	557.0	399.9	282.1	270.9
95°	142.5	327.3	512.1	558.3	991.4	1568.9	1857.6	1657.6	1257.7	957.8	923.8
97.5°	246.5	409.5	572.5	613.3	1335.4	2298.3	2779.8	2653.4	2400.6	2211.0	2146.3
100°	326.7	474.6	622.4	659.4	1460.7	2529.2	3063.4	3072.7	3091.1	3105.0	3027.9
102.5°	395.0	533.0	670.8	705.3	1518.1	2601.8	3143.6	3304.6	3626.7	3868.3	3802.3
105°	510.8	627.6	744.4	773.7	1560.7	2610.0	3134.6	3495.6	4217.7	4759.2	4723.7
107.5°	629.6	738.5	847.4	874.6	1568.6	2493.9	2956.5	3460.1	4467.1	5222.4	5231.0
110°	709.8	808.1	906.5	931.0	1556.7	2390.9	2808.0	3371.0	4496.8	5341.3	5378.3



TEST NUMBER: P935609

CATALOG NUMBER: SQ4-FA-125U-100D-830-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	788.5	882.2	975.9	999.3	1557.1	2301.0	2672.9	3249.1	4401.3	5265.6	5322.3
115°	907.2	993.7	1080.2	1101.8	1571.6	2197.8	2511.0	3066.1	4176.1	5008.7	5087.4
117.5°	1024.6	1103.1	1181.7	1201.3	1600.7	2133.3	2399.7	2900.6	3902.4	4653.7	4741.0
120°	1092.9	1166.8	1240.8	1259.2	1624.5	2111.6	2355.1	2812.8	3728.2	4414.7	4499.5
122.5°	1159.7	1234.3	1308.9	1327.5	1658.7	2100.2	2321.0	2733.1	3557.4	4175.6	4259.3
125°	1262.2	1330.2	1398.1	1415.2	1704.7	2090.8	2283.8	2633.9	3334.1	3859.3	3936.3
127.5°	1345.4	1414.0	1482.7	1499.8	1750.7	2085.3	2252.6	2553.2	3154.4	3605.4	3670.4
130°	1389.9	1463.8	1537.7	1556.2	1784.4	2088.7	2240.8	2508.4	3043.6	3445.0	3505.1
132.5°	1435.9	1509.8	1583.8	1602.3	1811.6	2090.8	2230.3	2469.9	2949.1	3308.4	3362.3
135°	1504.3	1571.6	1638.9	1655.7	1841.4	2088.9	2212.6	2413.2	2814.5	3115.4	3161.8
137.5°	1574.1	1640.7	1707.3	1724.0	1885.8	2101.7	2209.6	2379.2	2718.4	2972.8	3010.7
140°	1631.9	1693.3	1754.6	1770.0	1913.1	2103.8	2199.2	2345.6	2638.7	2858.4	2893.9
142.5°	1676.4	1733.2	1790.0	1804.2	1935.8	2111.4	2199.2	2327.9	2585.3	2778.3	2808.8
145°	1744.8	1794.3	1843.8	1856.2	1965.5	2111.4	2184.4	2289.6	2500.1	2658.0	2681.1
147.5°	1813.1	1861.2	1909.4	1921.5	2009.1	2126.0	2184.4	2267.2	2432.8	2557.0	2576.1
150°	1857.6	1901.2	1944.8	1955.7	2031.9	2133.5	2184.4	2254.3	2394.2	2499.1	2514.6
152.5°	1903.7	1936.7	1969.7	1978.0	2046.8	2138.5	2184.4	2244.1	2363.5	2453.1	2464.9
155°	1971.9	1996.4	2020.8	2026.9	2079.4	2149.4	2184.4	2231.9	2326.9	2398.1	2405.9
157.5°	2022.5	2046.2	2070.0	2076.0	2112.1	2160.3	2184.4	2221.3	2295.2	2350.6	2356.1
160°	2056.6	2075.1	2093.6	2098.2	2126.9	2165.2	2184.4	2216.0	2279.4	2326.9	2330.1
162.5°	2090.8	2104.6	2118.5	2121.9	2142.8	2170.5	2184.4	2211.1	2264.6	2304.6	2307.6
165°	2127.9	2140.4	2152.9	2156.1	2165.5	2178.1	2184.4	2203.5	2241.7	2270.4	2273.6
167.5°	2162.1	2168.0	2173.9	2175.4	2183.3	2193.9	2199.2	2211.7	2236.8	2255.6	2256.9
170°	2184.4	2190.3	2196.2	2197.7	2198.1	2198.8	2199.2	2211.7	2236.8	2255.6	2255.6
172.5°	2196.2	2197.6	2198.9	2199.2	2199.2	2199.2	2199.2	2209.1	2228.9	2243.7	2242.6
175°	2212.6	2212.6	2212.6	2212.6	2208.1	2202.1	2199.2	2205.5	2218.0	2227.4	2227.4
177.5°	2212.6	2212.6	2212.6	2212.6	2209.1	2204.4	2202.1	2207.1	2217.0	2224.4	2223.1
180°	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6



TEST NUMBER: P935609

CATALOG NUMBER: SQ4-FA-125U-100D-830-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3
2.5°	4107.6	4096.3	4107.6	4100.0	4103.8	4092.4	4058.3	4046.9	4058.3	4069.7	4069.7
5°	4156.9	4149.3	4156.9	4156.9	4153.1	4145.5	4107.6	4100.0	4107.6	4111.4	4103.8
7.5°	4172.0	4160.7	4172.0	4164.4	4164.4	4156.9	4119.0	4111.4	4115.2	4126.6	4115.2
10°	4172.0	4160.7	4172.0	4168.3	4164.4	4156.9	4119.0	4103.8	4103.8	4115.2	4103.8
12.5°	4153.1	4145.5	4153.1	4145.5	4145.5	4138.0	4100.0	4084.9	4088.6	4092.4	4077.3
15°	4122.8	4111.4	4122.8	4115.2	4119.0	4107.6	4066.0	4050.8	4050.8	4058.3	4031.8
17.5°	4077.3	4062.1	4077.3	4073.5	4069.7	4062.1	4024.3	4009.1	4005.3	4009.1	3990.2
20°	4024.3	4012.9	4024.3	4020.5	4020.5	4005.3	3967.4	3948.5	3948.5	3948.5	3929.5
22.5°	3940.9	3929.5	3940.9	3948.5	3948.5	3944.6	3910.5	3884.0	3876.5	3876.5	3853.7
25°	3846.2	3834.8	3846.2	3846.2	3842.4	3846.2	3834.8	3819.6	3808.2	3796.8	3774.2
27.5°	3755.2	3747.6	3755.2	3747.6	3755.2	3743.8	3740.1	3736.2	3721.1	3709.8	3679.5
30°	3664.3	3656.7	3664.3	3656.7	3649.1	3641.5	3622.6	3615.0	3630.1	3622.6	3573.3
32.5°	3550.6	3543.0	3550.6	3550.6	3543.0	3543.0	3512.7	3501.4	3505.1	3527.8	3482.3
35°	3433.1	3421.7	3433.1	3429.4	3433.1	3421.7	3402.8	3399.0	3383.9	3410.3	3376.3
37.5°	3296.7	3285.3	3296.7	3296.7	3296.7	3304.3	3289.1	3277.7	3255.0	3289.1	3262.6
40°	3156.5	3141.3	3156.5	3152.7	3156.5	3164.1	3156.5	3148.9	3126.2	3152.7	3129.9
42.5°	2997.3	2993.5	2997.3	3001.2	3001.2	3016.3	3027.7	3012.5	3004.9	2986.0	3001.2
45°	2826.8	2819.2	2826.8	2834.4	2838.2	2845.7	2879.9	2879.9	2868.5	2838.2	2860.9
47.5°	2645.0	2626.0	2645.0	2667.7	2667.7	2679.0	2713.1	2739.7	2720.7	2682.8	2694.2
50°	2451.7	2455.5	2451.7	2466.9	2466.9	2508.5	2535.0	2561.6	2580.5	2535.0	2482.0
52.5°	2262.2	2258.5	2262.2	2273.6	2288.8	2307.7	2353.2	2379.7	2410.0	2383.5	2300.1
55°	2072.7	2080.4	2072.7	2076.5	2084.1	2095.5	2163.7	2190.2	2247.1	2212.9	2125.8
57.5°	1883.3	1871.9	1883.3	1890.9	1894.7	1906.0	1962.9	2012.1	2046.2	2050.0	1943.9
60°	1663.5	1648.3	1663.5	1697.6	1705.2	1712.8	1765.8	1811.3	1841.6	1853.0	1743.1
62.5°	1470.2	1443.8	1470.2	1493.0	1508.2	1527.1	1565.0	1633.2	1659.7	1663.5	1508.2
65°	1265.6	1254.3	1265.6	1311.1	1314.9	1337.6	1379.3	1428.6	1485.4	1477.8	1254.3
67.5°	1080.0	1080.0	1080.0	1110.3	1133.0	1144.3	1197.4	1220.1	1292.1	1299.8	1045.9
70°	909.4	905.6	909.4	932.2	947.3	973.9	1023.1	1049.6	1106.5	1125.4	848.8
72.5°	746.5	742.7	746.5	765.5	780.6	803.3	845.0	875.3	924.5	947.3	659.4
75°	602.5	594.9	602.5	617.7	613.8	644.2	678.3	708.6	754.1	769.2	488.8
77.5°	462.3	462.3	462.3	477.4	477.4	507.7	522.9	560.8	587.4	610.1	360.0
80°	344.8	341.0	344.8	348.7	348.7	363.8	390.3	416.8	439.6	439.6	246.3
82.5°	242.5	234.9	242.5	242.5	242.5	250.1	265.3	272.8	287.9	299.3	155.4
85°	151.5	151.5	151.5	155.4	151.5	159.2	162.9	170.6	170.6	162.9	94.7
87.5°	98.6	94.7	98.6	94.7	94.7	90.9	90.9	90.9	87.2	83.4	53.1
90°	56.4	56.4	56.4	56.4	56.4	75.2	100.3	112.8	96.9	65.3	41.6
92.5°	226.0	181.2	226.0	270.9	282.1	399.9	557.0	635.5	558.0	403.0	286.6
95°	787.8	651.9	787.8	923.8	957.8	1257.7	1657.6	1857.6	1568.9	991.4	558.3
97.5°	1887.6	1628.9	1887.6	2146.3	2211.0	2400.6	2653.4	2779.8	2298.3	1335.4	613.3
100°	2719.7	2411.5	2719.7	3027.9	3105.0	3091.1	3072.7	3063.4	2529.2	1460.7	659.4
102.5°	3538.3	3274.3	3538.3	3802.3	3868.3	3626.7	3304.6	3143.6	2601.8	1518.1	705.3
105°	4581.8	4440.0	4581.8	4723.7	4759.2	4217.7	3495.6	3134.6	2610.0	1560.7	773.7
107.5°	5265.4	5299.7	5265.4	5231.0	5222.4	4467.1	3460.1	2956.5	2493.9	1568.6	874.6
110°	5526.1	5673.9	5526.1	5378.3	5341.3	4496.8	3371.0	2808.0	2390.9	1556.7	931.0





TEST NUMBER: P935609

CATALOG NUMBER: SQ4-FA-125U-100D-830-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5549.3	5776.3	5549.3	5322.3	5265.6	4401.3	3249.1	2672.9	2301.0	1557.1	999.3
115°	5402.2	5717.0	5402.2	5087.4	5008.7	4176.1	3066.1	2511.0	2197.8	1571.6	1101.8
117.5°	5090.1	5439.3	5090.1	4741.0	4653.7	3902.4	2900.6	2399.7	2133.3	1600.7	1201.3
120°	4838.7	5177.9	4838.7	4499.5	4414.7	3728.2	2812.8	2355.1	2111.6	1624.5	1259.2
122.5°	4593.9	4928.5	4593.9	4259.3	4175.6	3557.4	2733.1	2321.0	2100.2	1658.7	1327.5
125°	4244.5	4552.8	4244.5	3936.3	3859.3	3334.1	2633.9	2283.8	2090.8	1704.7	1415.2
127.5°	3930.4	4190.4	3930.4	3670.4	3605.4	3154.4	2553.2	2252.6	2085.3	1750.7	1499.8
130°	3745.3	3985.6	3745.3	3505.1	3445.0	3043.6	2508.4	2240.8	2088.7	1784.4	1556.2
132.5°	3577.4	3792.5	3577.4	3362.3	3308.4	2949.1	2469.9	2230.3	2090.8	1811.6	1602.3
135°	3347.1	3532.6	3347.1	3161.8	3115.4	2814.5	2413.2	2212.6	2088.9	1841.4	1655.7
137.5°	3162.5	3314.4	3162.5	3010.7	2972.8	2718.4	2379.2	2209.6	2101.7	1885.8	1724.0
140°	3035.9	3177.7	3035.9	2893.9	2858.4	2638.7	2345.6	2199.2	2103.8	1913.1	1770.0
142.5°	2930.9	3053.0	2930.9	2808.8	2778.3	2585.3	2327.9	2199.2	2111.4	1935.8	1804.2
145°	2773.5	2865.9	2773.5	2681.1	2658.0	2500.1	2289.6	2184.4	2111.4	1965.5	1856.2
147.5°	2652.7	2729.3	2652.7	2576.1	2557.0	2432.8	2267.2	2184.4	2126.0	2009.1	1921.5
150°	2576.7	2638.8	2576.7	2514.6	2499.1	2394.2	2254.3	2184.4	2133.5	2031.9	1955.7
152.5°	2511.7	2558.5	2511.7	2464.9	2453.1	2363.5	2244.1	2184.4	2138.5	2046.8	1978.0
155°	2436.9	2467.9	2436.9	2405.9	2398.1	2326.9	2231.9	2184.4	2149.4	2079.4	2026.9
157.5°	2377.9	2399.7	2377.9	2356.1	2350.6	2295.2	2221.3	2184.4	2160.3	2112.1	2076.0
160°	2342.6	2355.1	2342.6	2330.1	2326.9	2279.4	2216.0	2184.4	2165.2	2126.9	2098.2
162.5°	2319.4	2331.3	2319.4	2307.6	2304.6	2264.6	2211.1	2184.4	2170.5	2142.8	2121.9
165°	2286.1	2298.7	2286.1	2273.6	2270.4	2241.7	2203.5	2184.4	2178.1	2165.5	2156.1
167.5°	2262.2	2267.4	2262.2	2256.9	2255.6	2236.8	2211.7	2199.2	2193.9	2183.3	2175.4
170°	2255.6	2255.6	2255.6	2255.6	2255.6	2236.8	2211.7	2199.2	2198.8	2198.1	2197.7
172.5°	2237.9	2233.3	2237.9	2242.6	2243.7	2228.9	2209.1	2199.2	2199.2	2199.2	2199.2
175°	2227.4	2227.4	2227.4	2227.4	2227.4	2218.0	2205.5	2199.2	2202.1	2208.1	2212.6
177.5°	2217.8	2212.6	2217.8	2223.1	2224.4	2217.0	2207.1	2202.1	2204.4	2209.1	2212.6
180°	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6



TEST NUMBER: P935609

CATALOG NUMBER: SQ4-FA-125U-100D-830-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3
2.5°	4062.1	4039.4	4039.4	4001.5	3986.3	3975.0	3956.0	3899.2	3884.0	3868.8	3891.6
5°	4096.3	4054.6	4024.3	3956.0	3899.2	3876.5	3804.5	3668.1	3577.1	3508.9	3471.0
7.5°	4103.8	4050.8	3993.9	3887.9	3751.4	3690.8	3471.0	3221.0	3152.7	3092.1	3054.1
10°	4096.3	4035.7	3956.0	3796.8	3474.8	3368.7	3148.9	2986.0	2944.3	2932.9	2944.3
12.5°	4069.7	4012.9	3903.0	3637.8	3186.8	3114.8	2986.0	2891.2	2883.7	2902.6	3004.9
15°	4024.3	3971.2	3842.4	3425.5	3027.7	2974.6	2883.7	2849.5	2891.2	3023.8	3330.8
17.5°	3978.8	3918.2	3759.0	3217.1	2906.4	2868.5	2804.0	2872.3	3107.2	3285.3	3387.7
20°	3918.2	3846.2	3664.3	3065.5	2819.2	2785.1	2754.8	3061.8	3239.9	3304.3	3361.1
22.5°	3846.2	3770.4	3535.4	2959.5	2728.3	2701.8	2720.7	3167.9	3239.9	3285.3	3334.6
25°	3751.4	3687.0	3383.9	2876.1	2656.3	2626.0	2698.0	3156.5	3198.2	3209.6	3308.0
27.5°	3664.3	3580.9	3224.7	2800.3	2569.2	2557.8	2717.0	3107.2	3137.6	3148.9	3255.0
30°	3558.1	3433.1	3046.6	2720.7	2478.2	2474.4	2720.7	3046.6	3039.0	3069.3	3175.4
32.5°	3448.3	3213.3	2845.7	2622.2	2391.1	2387.2	2694.2	2955.7	2948.1	2989.8	3069.3
35°	3346.0	3042.9	2573.0	2508.5	2281.2	2284.9	2629.8	2849.5	2853.4	2891.2	2940.5
37.5°	3239.9	2895.1	2273.6	2383.5	2175.1	2175.1	2542.6	2751.1	2743.4	2754.8	2823.1
40°	3114.8	2663.9	2008.4	2220.5	2076.5	2065.2	2436.6	2645.0	2618.4	2614.7	2709.4
42.5°	2982.1	2410.0	1811.3	2004.5	1962.9	1947.7	2307.7	2516.1	2466.9	2478.2	2599.5
45°	2838.2	2341.8	1659.7	1693.8	1845.4	1834.0	2167.4	2368.3	2334.2	2364.6	2489.6
47.5°	2694.2	2205.4	1610.5	1405.8	1720.3	1716.6	2012.1	2224.3	2205.4	2235.7	2368.3
50°	2497.2	2053.8	1606.7	1205.0	1580.2	1595.3	1826.4	2084.1	2084.1	2110.7	2250.8
52.5°	2243.3	1868.1	1458.9	1091.3	1417.2	1462.7	1663.5	1962.9	1970.4	1997.0	2122.0
55°	2012.1	1674.9	1352.7	1004.2	1224.0	1322.4	1504.4	1837.8	1853.0	1879.5	1993.2
57.5°	1800.0	1394.4	1330.1	901.9	1045.9	1140.6	1364.1	1716.6	1724.1	1746.9	1856.7
60°	1572.5	1007.9	1220.1	792.0	890.5	962.5	1235.3	1572.5	1599.1	1614.2	1708.9
62.5°	1314.9	731.3	1106.5	716.1	814.7	829.9	1129.2	1436.1	1470.2	1481.6	1538.5
65°	935.9	613.8	939.7	651.8	735.2	738.9	1015.6	1296.0	1326.3	1345.2	1386.9
67.5°	632.8	500.2	716.1	591.1	674.5	678.3	905.6	1133.0	1174.6	1189.8	1216.4
70°	439.6	333.5	530.5	526.8	606.3	613.8	788.2	985.3	1023.1	1034.5	1049.6
72.5°	322.1	269.0	439.6	473.7	534.3	541.9	666.9	818.5	856.4	867.8	875.3
75°	246.3	284.2	356.2	413.0	454.7	458.5	545.7	666.9	693.5	701.0	704.8
77.5°	197.0	265.3	261.5	333.5	371.3	363.8	428.2	515.4	538.0	538.0	538.0
80°	147.8	208.4	197.0	238.7	272.8	265.3	307.0	367.6	375.1	382.7	379.0
82.5°	109.8	132.6	132.6	151.5	181.9	174.3	204.6	238.7	238.7	238.7	246.3
85°	68.2	75.8	60.6	79.5	102.3	98.6	113.7	128.9	132.6	132.6	125.0
87.5°	41.7	34.1	18.9	30.3	45.5	45.5	53.1	56.9	53.1	53.1	53.1
90°	38.6	26.7	14.8	26.7	38.6	41.6	65.3	96.9	112.8	100.3	75.2
92.5°	261.4	160.3	59.4	160.3	261.4	286.6	403.0	558.0	635.5	557.0	399.9
95°	512.1	327.3	142.5	327.3	512.1	558.3	991.4	1568.9	1857.6	1657.6	1257.7
97.5°	572.5	409.5	246.5	409.5	572.5	613.3	1335.4	2298.3	2779.8	2653.4	2400.6
100°	622.4	474.6	326.7	474.6	622.4	659.4	1460.7	2529.2	3063.4	3072.7	3091.1
102.5°	670.8	533.0	395.0	533.0	670.8	705.3	1518.1	2601.8	3143.6	3304.6	3626.7
105°	744.4	627.6	510.8	627.6	744.4	773.7	1560.7	2610.0	3134.6	3495.6	4217.7
107.5°	847.4	738.5	629.6	738.5	847.4	874.6	1568.6	2493.9	2956.5	3460.1	4467.1
110°	906.5	808.1	709.8	808.1	906.5	931.0	1556.7	2390.9	2808.0	3371.0	4496.8



TEST NUMBER: P935609

CATALOG NUMBER: SQ4-FA-125U-100D-830-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	975.9	882.2	788.5	882.2	975.9	999.3	1557.1	2301.0	2672.9	3249.1	4401.3
115°	1080.2	993.7	907.2	993.7	1080.2	1101.8	1571.6	2197.8	2511.0	3066.1	4176.1
117.5°	1181.7	1103.1	1024.6	1103.1	1181.7	1201.3	1600.7	2133.3	2399.7	2900.6	3902.4
120°	1240.8	1166.8	1092.9	1166.8	1240.8	1259.2	1624.5	2111.6	2355.1	2812.8	3728.2
122.5°	1308.9	1234.3	1159.7	1234.3	1308.9	1327.5	1658.7	2100.2	2321.0	2733.1	3557.4
125°	1398.1	1330.2	1262.2	1330.2	1398.1	1415.2	1704.7	2090.8	2283.8	2633.9	3334.1
127.5°	1482.7	1414.0	1345.4	1414.0	1482.7	1499.8	1750.7	2085.3	2252.6	2553.2	3154.4
130°	1537.7	1463.8	1389.9	1463.8	1537.7	1556.2	1784.4	2088.7	2240.8	2508.4	3043.6
132.5°	1583.8	1509.8	1435.9	1509.8	1583.8	1602.3	1811.6	2090.8	2230.3	2469.9	2949.1
135°	1638.9	1571.6	1504.3	1571.6	1638.9	1655.7	1841.4	2088.9	2212.6	2413.2	2814.5
137.5°	1707.3	1640.7	1574.1	1640.7	1707.3	1724.0	1885.8	2101.7	2209.6	2379.2	2718.4
140°	1754.6	1693.3	1631.9	1693.3	1754.6	1770.0	1913.1	2103.8	2199.2	2345.6	2638.7
142.5°	1790.0	1733.2	1676.4	1733.2	1790.0	1804.2	1935.8	2111.4	2199.2	2327.9	2585.3
145°	1843.8	1794.3	1744.8	1794.3	1843.8	1856.2	1965.5	2111.4	2184.4	2289.6	2500.1
147.5°	1909.4	1861.2	1813.1	1861.2	1909.4	1921.5	2009.1	2126.0	2184.4	2267.2	2432.8
150°	1944.8	1901.2	1857.6	1901.2	1944.8	1955.7	2031.9	2133.5	2184.4	2254.3	2394.2
152.5°	1969.7	1936.7	1903.7	1936.7	1969.7	1978.0	2046.8	2138.5	2184.4	2244.1	2363.5
155°	2020.8	1996.4	1971.9	1996.4	2020.8	2026.9	2079.4	2149.4	2184.4	2231.9	2326.9
157.5°	2070.0	2046.2	2022.5	2046.2	2070.0	2076.0	2112.1	2160.3	2184.4	2221.3	2295.2
160°	2093.6	2075.1	2056.6	2075.1	2093.6	2098.2	2126.9	2165.2	2184.4	2216.0	2279.4
162.5°	2118.5	2104.6	2090.8	2104.6	2118.5	2121.9	2142.8	2170.5	2184.4	2211.1	2264.6
165°	2152.9	2140.4	2127.9	2140.4	2152.9	2156.1	2165.5	2178.1	2184.4	2203.5	2241.7
167.5°	2173.9	2168.0	2162.1	2168.0	2173.9	2175.4	2183.3	2193.9	2199.2	2211.7	2236.8
170°	2196.2	2190.3	2184.4	2190.3	2196.2	2197.7	2198.1	2198.8	2199.2	2211.7	2236.8
172.5°	2198.9	2197.6	2196.2	2197.6	2198.9	2199.2	2199.2	2199.2	2199.2	2209.1	2228.9
175°	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2208.1	2202.1	2199.2	2205.5	2218.0
177.5°	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2209.1	2204.4	2202.1	2207.1	2217.0
180°	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6



TEST NUMBER: P935609

CATALOG NUMBER: SQ4-FA-125U-100D-830-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3
2.5°	3865.1	3853.7	3868.8	3827.2	3868.8	3853.7	3865.1	3891.6	3868.8	3884.0	3899.2
5°	3391.4	3372.5	3311.9	3262.6	3311.9	3372.5	3391.4	3471.0	3508.9	3577.1	3668.1
7.5°	3031.5	3016.3	3001.2	2970.8	3001.2	3016.3	3031.5	3054.1	3092.1	3152.7	3221.0
10°	2951.8	2955.7	2978.4	2974.6	2978.4	2955.7	2951.8	2944.3	2932.9	2944.3	2986.0
12.5°	3156.5	3190.6	3315.6	3308.0	3315.6	3190.6	3156.5	3004.9	2902.6	2883.7	2891.2
15°	3391.4	3402.8	3429.4	3433.1	3429.4	3402.8	3391.4	3330.8	3023.8	2891.2	2849.5
17.5°	3414.2	3418.0	3436.9	3436.9	3436.9	3418.0	3414.2	3387.7	3285.3	3107.2	2872.3
20°	3395.2	3402.8	3440.6	3448.3	3440.6	3402.8	3395.2	3361.1	3304.3	3239.9	3061.8
22.5°	3387.7	3402.8	3433.1	3429.4	3433.1	3402.8	3387.7	3334.6	3285.3	3239.9	3167.9
25°	3349.7	3349.7	3353.6	3357.3	3353.6	3349.7	3349.7	3308.0	3209.6	3198.2	3156.5
27.5°	3270.2	3277.7	3300.5	3296.7	3300.5	3277.7	3270.2	3255.0	3148.9	3137.6	3107.2
30°	3198.2	3190.6	3171.6	3156.5	3171.6	3190.6	3198.2	3175.4	3069.3	3039.0	3046.6
32.5°	3076.9	3058.0	3039.0	3027.7	3039.0	3058.0	3076.9	3069.3	2989.8	2948.1	2955.7
35°	2932.9	2936.7	2932.9	2921.5	2932.9	2936.7	2932.9	2940.5	2891.2	2853.4	2849.5
37.5°	2830.6	2838.2	2834.4	2819.2	2834.4	2838.2	2830.6	2823.1	2754.8	2743.4	2751.1
40°	2724.5	2728.3	2724.5	2713.1	2724.5	2728.3	2724.5	2709.4	2614.7	2618.4	2645.0
42.5°	2622.2	2618.4	2607.0	2599.5	2607.0	2618.4	2622.2	2599.5	2478.2	2466.9	2516.1
45°	2504.7	2508.5	2485.8	2474.4	2485.8	2508.5	2504.7	2489.6	2364.6	2334.2	2368.3
47.5°	2387.2	2387.2	2368.3	2356.9	2368.3	2387.2	2387.2	2368.3	2235.7	2205.4	2224.3
50°	2262.2	2258.5	2231.9	2228.1	2231.9	2258.5	2262.2	2250.8	2110.7	2084.1	2084.1
52.5°	2118.2	2118.2	2122.0	2129.6	2122.0	2118.2	2118.2	2122.0	1997.0	1970.4	1962.9
55°	1993.2	1997.0	2023.5	2031.0	2023.5	1997.0	1993.2	1993.2	1879.5	1853.0	1837.8
57.5°	1864.3	1864.3	1883.3	1883.3	1883.3	1864.3	1864.3	1856.7	1746.9	1724.1	1716.6
60°	1716.6	1724.1	1739.3	1735.5	1739.3	1724.1	1716.6	1708.9	1614.2	1599.1	1572.5
62.5°	1561.1	1568.8	1572.5	1565.0	1572.5	1568.8	1561.1	1538.5	1481.6	1470.2	1436.1
65°	1398.2	1405.8	1409.6	1402.1	1409.6	1405.8	1398.2	1386.9	1345.2	1326.3	1296.0
67.5°	1231.5	1227.7	1224.0	1239.1	1224.0	1227.7	1231.5	1216.4	1189.8	1174.6	1133.0
70°	1061.0	1061.0	1057.2	1064.8	1057.2	1061.0	1061.0	1049.6	1034.5	1023.1	985.3
72.5°	879.1	875.3	890.5	879.1	890.5	875.3	879.1	875.3	867.8	856.4	818.5
75°	701.0	708.6	701.0	712.4	701.0	708.6	701.0	704.8	701.0	693.5	666.9
77.5°	534.3	541.9	534.3	534.3	534.3	541.9	534.3	538.0	538.0	538.0	515.4
80°	379.0	375.1	375.1	371.3	375.1	375.1	379.0	379.0	382.7	375.1	367.6
82.5°	242.5	238.7	238.7	246.3	238.7	238.7	242.5	246.3	238.7	238.7	238.7
85°	132.6	136.4	128.9	128.9	128.9	136.4	132.6	125.0	132.6	132.6	128.9
87.5°	49.2	45.5	45.5	45.5	45.5	45.5	49.2	53.1	53.1	53.1	56.9
90°	56.4	56.4	56.4	56.4	56.4	56.4	56.4	75.2	100.3	112.8	96.9
92.5°	282.1	270.9	226.0	181.2	226.0	270.9	282.1	399.9	557.0	635.5	558.0
95°	957.8	923.8	787.8	651.9	787.8	923.8	957.8	1257.7	1657.6	1857.6	1568.9
97.5°	2211.0	2146.3	1887.6	1628.9	1887.6	2146.3	2211.0	2400.6	2653.4	2779.8	2298.3
100°	3105.0	3027.9	2719.7	2411.5	2719.7	3027.9	3105.0	3091.1	3072.7	3063.4	2529.2
102.5°	3868.3	3802.3	3538.3	3274.3	3538.3	3802.3	3868.3	3626.7	3304.6	3143.6	2601.8
105°	4759.2	4723.7	4581.8	4440.0	4581.8	4723.7	4759.2	4217.7	3495.6	3134.6	2610.0
107.5°	5222.4	5231.0	5265.4	5299.7	5265.4	5231.0	5222.4	4467.1	3460.1	2956.5	2493.9
110°	5341.3	5378.3	5526.1	5673.9	5526.1	5378.3	5341.3	4496.8	3371.0	2808.0	2390.9



TEST NUMBER: P935609

CATALOG NUMBER: SQ4-FA-125U-100D-830-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5265.6	5322.3	5549.3	5776.3	5549.3	5322.3	5265.6	4401.3	3249.1	2672.9	2301.0
115°	5008.7	5087.4	5402.2	5717.0	5402.2	5087.4	5008.7	4176.1	3066.1	2511.0	2197.8
117.5°	4653.7	4741.0	5090.1	5439.3	5090.1	4741.0	4653.7	3902.4	2900.6	2399.7	2133.3
120°	4414.7	4499.5	4838.7	5177.9	4838.7	4499.5	4414.7	3728.2	2812.8	2355.1	2111.6
122.5°	4175.6	4259.3	4593.9	4928.5	4593.9	4259.3	4175.6	3557.4	2733.1	2321.0	2100.2
125°	3859.3	3936.3	4244.5	4552.8	4244.5	3936.3	3859.3	3334.1	2633.9	2283.8	2090.8
127.5°	3605.4	3670.4	3930.4	4190.4	3930.4	3670.4	3605.4	3154.4	2553.2	2252.6	2085.3
130°	3445.0	3505.1	3745.3	3985.6	3745.3	3505.1	3445.0	3043.6	2508.4	2240.8	2088.7
132.5°	3308.4	3362.3	3577.4	3792.5	3577.4	3362.3	3308.4	2949.1	2469.9	2230.3	2090.8
135°	3115.4	3161.8	3347.1	3532.6	3347.1	3161.8	3115.4	2814.5	2413.2	2212.6	2088.9
137.5°	2972.8	3010.7	3162.5	3314.4	3162.5	3010.7	2972.8	2718.4	2379.2	2209.6	2101.7
140°	2858.4	2893.9	3035.9	3177.7	3035.9	2893.9	2858.4	2638.7	2345.6	2199.2	2103.8
142.5°	2778.3	2808.8	2930.9	3053.0	2930.9	2808.8	2778.3	2585.3	2327.9	2199.2	2111.4
145°	2658.0	2681.1	2773.5	2865.9	2773.5	2681.1	2658.0	2500.1	2289.6	2184.4	2111.4
147.5°	2557.0	2576.1	2652.7	2729.3	2652.7	2576.1	2557.0	2432.8	2267.2	2184.4	2126.0
150°	2499.1	2514.6	2576.7	2638.8	2576.7	2514.6	2499.1	2394.2	2254.3	2184.4	2133.5
152.5°	2453.1	2464.9	2511.7	2558.5	2511.7	2464.9	2453.1	2363.5	2244.1	2184.4	2138.5
155°	2398.1	2405.9	2436.9	2467.9	2436.9	2405.9	2398.1	2326.9	2231.9	2184.4	2149.4
157.5°	2350.6	2356.1	2377.9	2399.7	2377.9	2356.1	2350.6	2295.2	2221.3	2184.4	2160.3
160°	2326.9	2330.1	2342.6	2355.1	2342.6	2330.1	2326.9	2279.4	2216.0	2184.4	2165.2
162.5°	2304.6	2307.6	2319.4	2331.3	2319.4	2307.6	2304.6	2264.6	2211.1	2184.4	2170.5
165°	2270.4	2273.6	2286.1	2298.7	2286.1	2273.6	2270.4	2241.7	2203.5	2184.4	2178.1
167.5°	2255.6	2256.9	2262.2	2267.4	2262.2	2256.9	2255.6	2236.8	2211.7	2199.2	2193.9
170°	2255.6	2255.6	2255.6	2255.6	2255.6	2255.6	2255.6	2236.8	2211.7	2199.2	2198.8
172.5°	2243.7	2242.6	2237.9	2233.3	2237.9	2242.6	2243.7	2228.9	2209.1	2199.2	2199.2
175°	2227.4	2227.4	2227.4	2227.4	2227.4	2227.4	2227.4	2218.0	2205.5	2199.2	2202.1
177.5°	2224.4	2223.1	2217.8	2212.6	2217.8	2223.1	2224.4	2217.0	2207.1	2202.1	2204.4
180°	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6



TEST NUMBER: P935609

CATALOG NUMBER: SQ4-FA-125U-100D-830-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	4005.3	4005.3	4005.3	4005.3	4005.3
2.5°	3956.0	3975.0	3986.3	4001.5	4039.4
5°	3804.5	3876.5	3899.2	3956.0	4024.3
7.5°	3471.0	3690.8	3751.4	3887.9	3993.9
10°	3148.9	3368.7	3474.8	3796.8	3956.0
12.5°	2986.0	3114.8	3186.8	3637.8	3903.0
15°	2883.7	2974.6	3027.7	3425.5	3842.4
17.5°	2804.0	2868.5	2906.4	3217.1	3759.0
20°	2754.8	2785.1	2819.2	3065.5	3664.3
22.5°	2720.7	2701.8	2728.3	2959.5	3535.4
25°	2698.0	2626.0	2656.3	2876.1	3383.9
27.5°	2717.0	2557.8	2569.2	2800.3	3224.7
30°	2720.7	2474.4	2478.2	2720.7	3046.6
32.5°	2694.2	2387.2	2391.1	2622.2	2845.7
35°	2629.8	2284.9	2281.2	2508.5	2573.0
37.5°	2542.6	2175.1	2175.1	2383.5	2273.6
40°	2436.6	2065.2	2076.5	2220.5	2008.4
42.5°	2307.7	1947.7	1962.9	2004.5	1811.3
45°	2167.4	1834.0	1845.4	1693.8	1659.7
47.5°	2012.1	1716.6	1720.3	1405.8	1610.5
50°	1826.4	1595.3	1580.2	1205.0	1606.7
52.5°	1663.5	1462.7	1417.2	1091.3	1458.9
55°	1504.4	1322.4	1224.0	1004.2	1352.7
57.5°	1364.1	1140.6	1045.9	901.9	1330.1
60°	1235.3	962.5	890.5	792.0	1220.1
62.5°	1129.2	829.9	814.7	716.1	1106.5
65°	1015.6	738.9	735.2	651.8	939.7
67.5°	905.6	678.3	674.5	591.1	716.1
70°	788.2	613.8	606.3	526.8	530.5
72.5°	666.9	541.9	534.3	473.7	439.6
75°	545.7	458.5	454.7	413.0	356.2
77.5°	428.2	363.8	371.3	333.5	261.5
80°	307.0	265.3	272.8	238.7	197.0
82.5°	204.6	174.3	181.9	151.5	132.6
85°	113.7	98.6	102.3	79.5	60.6
87.5°	53.1	45.5	45.5	30.3	18.9
90°	65.3	41.6	38.6	26.7	14.8
92.5°	403.0	286.6	261.4	160.3	59.4
95°	991.4	558.3	512.1	327.3	142.5
97.5°	1335.4	613.3	572.5	409.5	246.5
100°	1460.7	659.4	622.4	474.6	326.7
102.5°	1518.1	705.3	670.8	533.0	395.0
105°	1560.7	773.7	744.4	627.6	510.8
107.5°	1568.6	874.6	847.4	738.5	629.6
110°	1556.7	931.0	906.5	808.1	709.8



TEST NUMBER: P935609

CATALOG NUMBER: SQ4-FA-125U-100D-830-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1557.1	999.3	975.9	882.2	788.5
115°	1571.6	1101.8	1080.2	993.7	907.2
117.5°	1600.7	1201.3	1181.7	1103.1	1024.6
120°	1624.5	1259.2	1240.8	1166.8	1092.9
122.5°	1658.7	1327.5	1308.9	1234.3	1159.7
125°	1704.7	1415.2	1398.1	1330.2	1262.2
127.5°	1750.7	1499.8	1482.7	1414.0	1345.4
130°	1784.4	1556.2	1537.7	1463.8	1389.9
132.5°	1811.6	1602.3	1583.8	1509.8	1435.9
135°	1841.4	1655.7	1638.9	1571.6	1504.3
137.5°	1885.8	1724.0	1707.3	1640.7	1574.1
140°	1913.1	1770.0	1754.6	1693.3	1631.9
142.5°	1935.8	1804.2	1790.0	1733.2	1676.4
145°	1965.5	1856.2	1843.8	1794.3	1744.8
147.5°	2009.1	1921.5	1909.4	1861.2	1813.1
150°	2031.9	1955.7	1944.8	1901.2	1857.6
152.5°	2046.8	1978.0	1969.7	1936.7	1903.7
155°	2079.4	2026.9	2020.8	1996.4	1971.9
157.5°	2112.1	2076.0	2070.0	2046.2	2022.5
160°	2126.9	2098.2	2093.6	2075.1	2056.6
162.5°	2142.8	2121.9	2118.5	2104.6	2090.8
165°	2165.5	2156.1	2152.9	2140.4	2127.9
167.5°	2183.3	2175.4	2173.9	2168.0	2162.1
170°	2198.1	2197.7	2196.2	2190.3	2184.4
172.5°	2199.2	2199.2	2198.9	2197.6	2196.2
175°	2208.1	2212.6	2212.6	2212.6	2212.6
177.5°	2209.1	2212.6	2212.6	2212.6	2212.6
180°	2212.6	2212.6	2212.6	2212.6	2212.6



TEST NUMBER: P935609  
 CATALOG NUMBER: SQ4-FA-125U-100D-830-1D-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	12.77	13.56	13.79	14.60	15.98	15.62	16.42	16.64	17.45	18.83
	3H	13.24	13.95	14.28	14.99	16.39	16.97	17.68	18.00	18.72	20.12
	4H	13.43	14.10	14.48	15.15	16.55	17.41	18.09	18.46	19.13	20.54
	6H	13.55	14.17	14.60	15.21	16.63	17.70	18.32	18.76	19.37	20.79
	8H	13.54	14.13	14.60	15.20	16.61	17.78	18.37	18.84	19.43	20.84
	12H	13.51	14.07	14.58	15.13	16.57	17.82	18.38	18.88	19.43	20.87
4H	2H	13.80	14.47	14.85	15.52	16.92	16.02	16.70	17.07	17.74	19.15
	3H	14.82	15.38	15.88	16.45	17.87	17.53	18.09	18.59	19.16	20.58
	4H	15.09	15.61	16.16	16.67	18.11	18.06	18.57	19.12	19.63	21.08
	6H	15.21	15.66	16.29	16.74	18.18	18.42	18.87	19.50	19.95	21.39
	8H	15.22	15.63	16.29	16.71	18.16	18.53	18.94	19.61	20.02	21.47
	12H	15.18	15.56	16.28	16.65	18.10	18.59	18.96	19.68	20.05	21.51
8H	4H	15.55	15.96	16.62	17.03	18.49	18.18	18.59	19.25	19.66	21.12
	6H	15.80	16.14	16.90	17.26	18.71	18.61	18.96	19.71	20.07	21.52
	8H	15.85	16.14	16.95	17.25	18.72	18.77	19.07	19.88	20.17	21.64
	12H	15.83	16.09	16.94	17.19	18.70	18.87	19.13	19.98	20.23	21.74
12H	4H	15.55	15.92	16.64	17.01	18.47	18.14	18.51	19.23	19.60	21.06
	6H	15.87	16.16	16.97	17.27	18.74	18.61	18.91	19.72	20.01	21.48
	8H	15.93	16.19	17.04	17.29	18.80	18.77	19.04	19.88	20.13	21.64