

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: P935697

Luminaire Tested: SQ4-FA-125U-100D-B35-1D-UNV-STD-W-12

Issue Date: 12/17/2024

**Test Information**

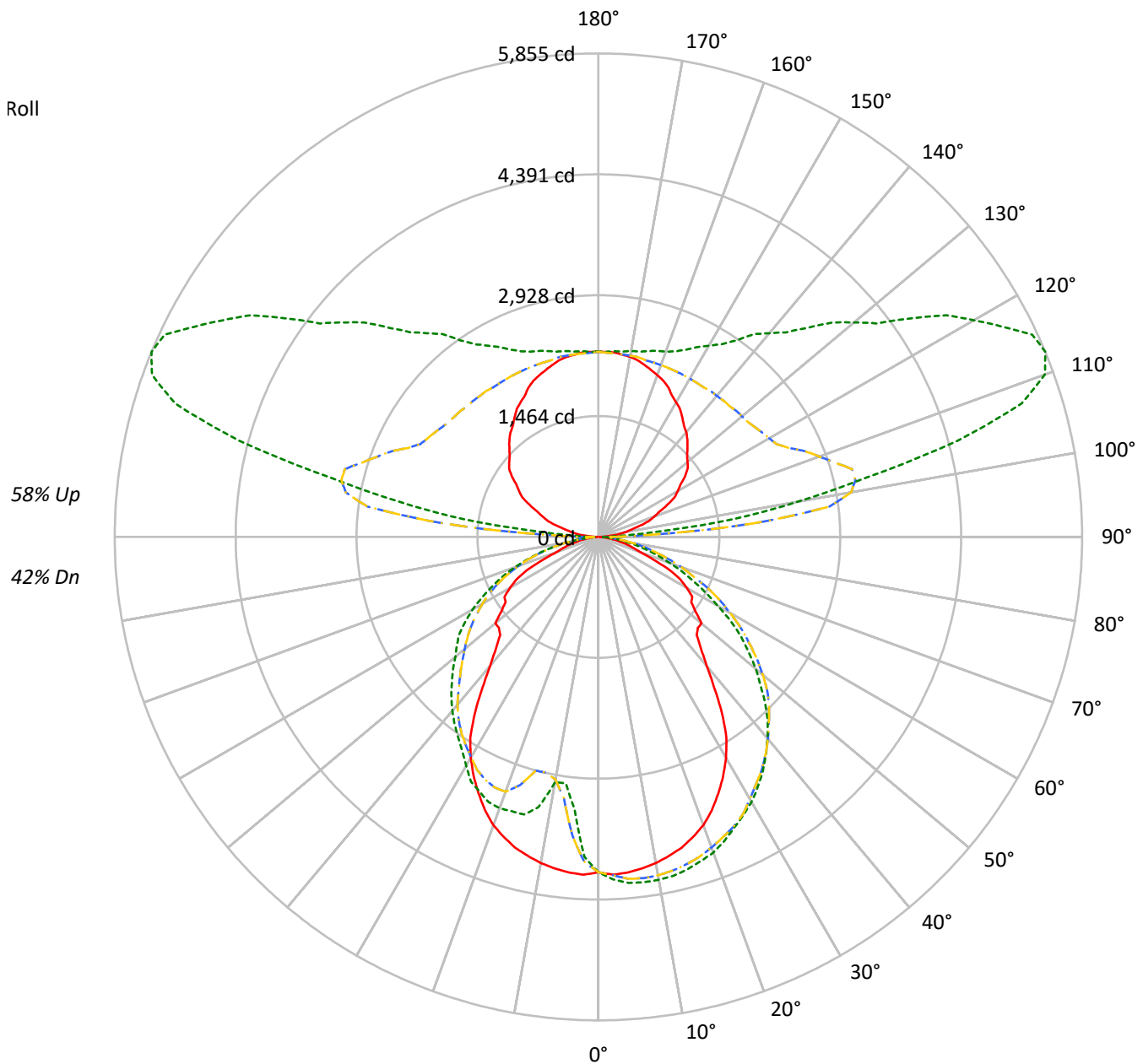
Test Method: LM-79-2019  
Report Number: P935697  
REPORT IS A COMBINATION OF REPORTS P933761 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-100D-B35-1D-UNV-STD-W-12  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25072.9 lumens  
Efficiency: N/A  
Efficacy: 129.8 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°	12557	12557	12557	12557
5°	12656	12676	12656	9967
10°	12575	12486	12575	8927
15°	12443	12216	12443	10200
20°	12188	11896	12188	10222
25°	11660	11428	11660	10005
30°	10976	11040	10976	9530
35°	9791	10549	9791	9007
40°	8163	9971	8163	8612
45°	7298	9295	7298	8158
50°	7759	8488	7759	7702
55°	7307	7619	7307	7438
60°	7542	6471	7542	6813
65°	6849	5349	6849	5979
70°	4754	4263	4754	5012
75°	4184	3151	4184	3773
80°	3397	2083	3397	2268
85°	1990	1103	1990	938

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 11178 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	366.5	1.5
10°-20°	1040.5	4.1
20°-30°	1608.4	6.4
30°-40°	1920.1	7.7
40°-50°	1931.4	7.7
50°-60°	1680.5	6.7
60°-70°	1191.5	4.8
70°-80°	630.4	2.5
80°-90°	165.5	0.7
90°-100°	1093.2	4.4
100°-110°	2874.0	11.5
110°-120°	2980.0	11.9
120°-130°	2390.3	9.5
130°-140°	1875.6	7.5
140°-150°	1439.6	5.7
150°-160°	1036.7	4.1
160°-170°	634.3	2.5
170°-180°	214.3	0.9
0°-30°	3015.4	12.0
0°-40°	4935.5	19.7
0°-60°	8547.4	34.1
0°-90°	10534.8	42.0
90°-120°	6947.2	27.7
90°-150°	12652.7	50.5
90°-180°	14538.0	58.0
0°-180°	25072.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4060	4060	4060	4060	4060	
5°	4079	4206	4079	3307	4079	387
15°	3895	4167	3895	3480	3895	1096
25°	3430	3887	3430	3403	3430	1575
35°	2608	3468	2608	2961	2608	1613
45°	1682	2858	1682	2508	1682	1348
55°	1371	2109	1371	2059	1371	1260
65°	952	1271	952	1421	952	910
75°	361	603	361	722	361	380
85°	61	154	61	131	61	83
90°	15	57	15	57	15	15
95°	144	661	144	661	144	160
105°	518	4500	518	4500	518	549
115°	920	5795	920	5795	920	908
125°	1279	4615	1279	4615	1279	1136
135°	1525	3581	1525	3581	1525	1180
145°	1768	2905	1768	2905	1768	1108
155°	1999	2502	1999	2502	1999	918
165°	2157	2330	2157	2330	2157	609
175°	2243	2258	2243	2258	2243	213
180°	2243	2243	2243	2243	2243	



TEST NUMBER: P935697

CATALOG NUMBER: SQ4-FA-125U-100D-B35-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7
2.5°	4094.3	4094.3	4117.4	4125.0	4125.0	4113.5	4102.0	4113.5	4148.1	4159.6	4155.8
5°	4079.0	4109.7	4152.0	4159.6	4167.3	4163.5	4155.8	4163.5	4201.9	4209.5	4213.4
7.5°	4048.2	4105.8	4159.6	4171.2	4182.7	4171.2	4167.3	4175.0	4213.4	4221.1	4221.1
10°	4009.8	4090.5	4152.0	4159.6	4171.2	4159.6	4159.6	4175.0	4213.4	4221.1	4224.9
12.5°	3956.0	4067.5	4125.0	4132.8	4148.1	4144.2	4140.4	4155.8	4194.2	4201.9	4201.9
15°	3894.6	4025.2	4079.0	4086.7	4113.5	4105.8	4105.8	4121.3	4163.5	4175.0	4171.2
17.5°	3810.1	3971.4	4032.9	4044.4	4063.6	4059.7	4063.6	4079.0	4117.4	4125.0	4128.9
20°	3714.1	3898.5	3971.4	3983.0	4002.2	4002.2	4002.2	4021.4	4059.7	4075.1	4075.1
22.5°	3583.5	3821.6	3898.5	3906.1	3929.2	3929.2	3936.9	3963.7	3998.3	4002.2	4002.2
25°	3429.9	3737.1	3802.5	3825.5	3848.5	3860.0	3871.5	3886.9	3898.5	3894.6	3898.5
27.5°	3268.5	3629.6	3714.1	3729.5	3760.2	3771.7	3787.0	3790.9	3794.7	3806.2	3798.6
30°	3088.0	3479.8	3606.5	3621.9	3671.8	3679.5	3664.2	3671.8	3691.0	3698.8	3706.4
32.5°	2884.4	3257.0	3495.2	3529.7	3575.8	3552.7	3549.0	3560.5	3591.2	3591.2	3598.9
35°	2608.0	3084.2	3391.5	3422.2	3456.7	3429.9	3445.2	3449.1	3468.2	3479.8	3476.0
37.5°	2304.5	2934.4	3283.9	3307.0	3333.8	3299.3	3322.3	3333.8	3349.3	3341.5	3341.5
40°	2035.7	2700.1	3157.2	3172.5	3195.6	3168.7	3191.7	3199.4	3207.1	3199.4	3195.6
42.5°	1836.0	2442.8	3022.7	3042.0	3026.6	3045.8	3053.4	3068.8	3057.3	3042.0	3042.0
45°	1682.3	2373.7	2876.8	2899.8	2876.8	2907.5	2919.0	2919.0	2884.4	2876.8	2873.0
47.5°	1632.4	2235.4	2730.8	2730.8	2719.3	2757.7	2777.0	2750.0	2715.4	2704.0	2704.0
50°	1628.5	2081.7	2531.1	2515.7	2569.5	2615.6	2596.4	2569.5	2542.7	2500.4	2500.4
52.5°	1478.7	1893.5	2273.8	2331.4	2415.9	2442.8	2412.0	2385.2	2339.1	2319.9	2304.5
55°	1371.1	1697.7	2039.5	2154.7	2243.0	2277.6	2220.0	2193.1	2124.0	2112.4	2104.8
57.5°	1348.2	1413.4	1824.4	1970.4	2077.9	2074.0	2039.5	1989.6	1931.9	1920.5	1916.6
60°	1236.7	1021.6	1593.9	1766.8	1878.2	1866.7	1836.0	1789.8	1736.1	1728.4	1720.7
62.5°	1121.5	741.3	1332.8	1528.7	1686.2	1682.3	1655.4	1586.3	1547.9	1528.7	1513.3
65°	952.5	622.2	948.7	1271.3	1497.9	1505.6	1448.0	1398.1	1355.8	1332.8	1328.9
67.5°	725.9	507.0	641.4	1060.1	1317.5	1309.7	1236.7	1213.7	1159.9	1148.4	1125.4
70°	537.7	338.0	445.5	860.4	1140.7	1121.5	1063.9	1037.0	987.1	960.2	944.9
72.5°	445.5	272.7	326.5	668.3	960.2	937.1	887.2	856.5	814.3	791.2	775.9
75°	361.0	288.1	249.6	495.4	779.7	764.3	718.2	687.5	652.9	622.2	626.1
77.5°	265.0	268.9	199.7	364.9	618.4	595.4	568.4	530.0	514.6	483.9	483.9
80°	199.7	211.2	149.8	249.6	445.5	445.5	422.5	395.6	368.7	353.4	353.4
82.5°	134.4	134.4	111.3	157.5	303.4	291.9	276.6	268.9	253.5	245.8	245.8
85°	61.4	76.8	69.1	96.0	165.1	172.9	172.9	165.1	161.3	153.6	157.5
87.5°	19.2	34.6	42.2	53.8	84.5	88.4	92.2	92.2	92.2	96.0	96.0
90°	15.0	27.0	39.1	42.2	66.2	98.3	114.3	101.6	76.3	57.2	57.2
92.5°	60.2	162.5	264.9	290.5	408.4	565.6	644.2	564.5	405.3	286.0	274.6
95°	144.5	331.8	519.1	565.9	1004.9	1590.2	1882.9	1680.1	1274.8	970.8	936.3
97.5°	249.8	415.0	580.3	621.6	1353.6	2329.6	2817.6	2689.5	2433.3	2241.1	2175.5
100°	331.1	481.0	630.8	668.3	1480.5	2563.6	3105.1	3114.5	3133.2	3147.2	3069.1
102.5°	400.4	540.2	679.9	714.9	1538.8	2637.1	3186.4	3349.5	3676.0	3920.9	3854.0
105°	517.7	636.1	754.6	784.2	1581.9	2645.5	3177.3	3543.1	4275.0	4823.9	4787.9
107.5°	638.2	748.6	858.9	886.5	1589.9	2527.8	2996.7	3507.1	4527.8	5293.5	5302.2
110°	719.5	819.1	918.8	943.7	1577.8	2423.4	2846.1	3416.8	4558.0	5413.9	5451.4



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CATALOG NUMBER: SQ4-FA-125U-100D-B35-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	799.2	894.2	989.2	1012.9	1578.3	2332.3	2709.2	3293.2	4461.2	5337.2	5394.7
115°	919.6	1007.2	1094.9	1116.8	1592.9	2227.7	2545.2	3107.8	4232.9	5076.8	5156.5
117.5°	1038.6	1118.1	1197.8	1217.6	1622.5	2162.3	2432.3	2940.0	3955.5	4717.0	4805.5
120°	1107.8	1182.7	1257.7	1276.4	1646.6	2140.3	2387.1	2851.1	3778.9	4474.7	4560.7
122.5°	1175.5	1251.1	1326.7	1345.6	1681.2	2128.8	2352.5	2770.3	3605.7	4232.4	4317.2
125°	1279.4	1348.3	1417.2	1434.4	1727.9	2119.2	2314.8	2669.7	3379.5	3911.8	3989.9
127.5°	1363.7	1433.2	1502.8	1520.2	1774.5	2113.7	2283.3	2587.9	3197.3	3654.4	3720.3
130°	1408.8	1483.7	1558.6	1577.3	1808.6	2117.1	2271.2	2542.5	3085.0	3491.9	3552.7
132.5°	1455.4	1530.3	1605.3	1624.0	1836.3	2119.2	2260.7	2503.5	2989.2	3353.4	3408.0
135°	1524.7	1592.9	1661.2	1678.2	1866.4	2117.3	2242.7	2446.0	2852.7	3157.8	3204.8
137.5°	1595.5	1663.0	1730.5	1747.4	1911.4	2130.2	2239.6	2411.6	2755.4	3013.2	3051.7
140°	1654.1	1716.3	1778.5	1794.1	1939.1	2132.4	2229.1	2377.5	2674.5	2897.3	2933.3
142.5°	1699.2	1756.8	1814.4	1828.7	1962.1	2140.1	2229.1	2359.5	2620.5	2816.1	2847.0
145°	1768.5	1818.7	1868.9	1881.4	1992.3	2140.1	2214.1	2320.8	2534.1	2694.1	2717.6
147.5°	1837.7	1886.5	1935.4	1947.6	2036.5	2154.9	2214.1	2298.0	2465.9	2591.8	2611.2
150°	1882.9	1927.1	1971.2	1982.3	2059.5	2162.5	2214.1	2285.0	2426.8	2533.1	2548.8
152.5°	1929.6	1963.0	1996.5	2004.9	2074.6	2167.6	2214.1	2274.6	2395.7	2486.5	2498.4
155°	1998.8	2023.6	2048.3	2054.5	2107.7	2178.6	2214.1	2262.2	2358.5	2430.7	2438.6
157.5°	2050.0	2074.0	2098.2	2104.2	2140.8	2189.6	2214.1	2251.5	2326.4	2382.6	2388.1
160°	2084.6	2103.3	2122.1	2126.8	2155.8	2194.7	2214.1	2246.1	2310.4	2358.5	2361.7
162.5°	2119.2	2133.3	2147.3	2150.8	2171.9	2200.0	2214.1	2241.2	2295.4	2336.0	2339.0
165°	2156.8	2169.5	2182.2	2185.4	2195.0	2207.7	2214.1	2233.4	2272.2	2301.3	2304.5
167.5°	2191.5	2197.5	2203.5	2205.0	2213.0	2223.8	2229.1	2241.8	2267.2	2286.3	2287.6
170°	2214.1	2220.1	2226.1	2227.5	2228.0	2228.7	2229.1	2241.8	2267.2	2286.3	2286.3
172.5°	2226.1	2227.4	2228.8	2229.1	2229.1	2229.1	2229.1	2239.2	2259.2	2274.2	2273.1
175°	2242.7	2242.7	2242.7	2242.7	2238.1	2232.1	2229.1	2235.5	2248.2	2257.7	2257.7
177.5°	2242.7	2242.7	2242.7	2242.7	2239.2	2234.4	2232.1	2237.1	2247.1	2254.7	2253.3
180°	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7



TEST NUMBER: P935697

CATALOG NUMBER: SQ4-FA-125U-100D-B35-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7
2.5°	4163.5	4152.0	4163.5	4155.8	4159.6	4148.1	4113.5	4102.0	4113.5	4125.0	4125.0
5°	4213.4	4205.8	4213.4	4213.4	4209.5	4201.9	4163.5	4155.8	4163.5	4167.3	4159.6
7.5°	4228.7	4217.3	4228.7	4221.1	4221.1	4213.4	4175.0	4167.3	4171.2	4182.7	4171.2
10°	4228.7	4217.3	4228.7	4224.9	4221.1	4213.4	4175.0	4159.6	4159.6	4171.2	4159.6
12.5°	4209.5	4201.9	4209.5	4201.9	4201.9	4194.2	4155.8	4140.4	4144.2	4148.1	4132.8
15°	4178.8	4167.3	4178.8	4171.2	4175.0	4163.5	4121.3	4105.8	4105.8	4113.5	4086.7
17.5°	4132.8	4117.4	4132.8	4128.9	4125.0	4117.4	4079.0	4063.6	4059.7	4063.6	4044.4
20°	4079.0	4067.5	4079.0	4075.1	4075.1	4059.7	4021.4	4002.2	4002.2	4002.2	3983.0
22.5°	3994.5	3983.0	3994.5	4002.2	4002.2	3998.3	3963.7	3936.9	3929.2	3929.2	3906.1
25°	3898.5	3886.9	3898.5	3898.5	3894.6	3898.5	3886.9	3871.5	3860.0	3848.5	3825.5
27.5°	3806.2	3798.6	3806.2	3798.6	3806.2	3794.7	3790.9	3787.0	3771.7	3760.2	3729.5
30°	3714.1	3706.4	3714.1	3706.4	3698.8	3691.0	3671.8	3664.2	3679.5	3671.8	3621.9
32.5°	3598.9	3591.2	3598.9	3598.9	3591.2	3591.2	3560.5	3549.0	3552.7	3575.8	3529.7
35°	3479.8	3468.2	3479.8	3476.0	3479.8	3468.2	3449.1	3445.2	3429.9	3456.7	3422.2
37.5°	3341.5	3330.0	3341.5	3341.5	3341.5	3349.3	3333.8	3322.3	3299.3	3333.8	3307.0
40°	3199.4	3184.0	3199.4	3195.6	3199.4	3207.1	3199.4	3191.7	3168.7	3195.6	3172.5
42.5°	3038.1	3034.2	3038.1	3042.0	3042.0	3057.3	3068.8	3053.4	3045.8	3026.6	3042.0
45°	2865.2	2857.6	2865.2	2873.0	2876.8	2884.4	2919.0	2919.0	2907.5	2876.8	2899.8
47.5°	2680.9	2661.7	2680.9	2704.0	2704.0	2715.4	2750.0	2777.0	2757.7	2719.3	2730.8
50°	2485.0	2488.9	2485.0	2500.4	2500.4	2542.7	2569.5	2596.4	2615.6	2569.5	2515.7
52.5°	2292.9	2289.2	2292.9	2304.5	2319.9	2339.1	2385.2	2412.0	2442.8	2415.9	2331.4
55°	2100.9	2108.6	2100.9	2104.8	2112.4	2124.0	2193.1	2220.0	2277.6	2243.0	2154.7
57.5°	1908.9	1897.4	1908.9	1916.6	1920.5	1931.9	1989.6	2039.5	2074.0	2077.9	1970.4
60°	1686.2	1670.7	1686.2	1720.7	1728.4	1736.1	1789.8	1836.0	1866.7	1878.2	1766.8
62.5°	1490.2	1463.4	1490.2	1513.3	1528.7	1547.9	1586.3	1655.4	1682.3	1686.2	1528.7
65°	1282.9	1271.3	1282.9	1328.9	1332.8	1355.8	1398.1	1448.0	1505.6	1497.9	1271.3
67.5°	1094.7	1094.7	1094.7	1125.4	1148.4	1159.9	1213.7	1236.7	1309.7	1317.5	1060.1
70°	921.8	917.9	921.8	944.9	960.2	987.1	1037.0	1063.9	1121.5	1140.7	860.4
72.5°	756.7	752.8	756.7	775.9	791.2	814.3	856.5	887.2	937.1	960.2	668.3
75°	610.7	603.0	610.7	626.1	622.2	652.9	687.5	718.2	764.3	779.7	495.4
77.5°	468.6	468.6	468.6	483.9	483.9	514.6	530.0	568.4	595.4	618.4	364.9
80°	349.5	345.6	349.5	353.4	353.4	368.7	395.6	422.5	445.5	445.5	249.6
82.5°	245.8	238.1	245.8	245.8	245.8	253.5	268.9	276.6	291.9	303.4	157.5
85°	153.6	153.6	153.6	157.5	153.6	161.3	165.1	172.9	172.9	165.1	96.0
87.5°	99.9	96.0	99.9	96.0	96.0	92.2	92.2	92.2	88.4	84.5	53.8
90°	57.2	57.2	57.2	57.2	57.2	76.3	101.6	114.3	98.3	66.2	42.2
92.5°	229.1	183.6	229.1	274.6	286.0	405.3	564.5	644.2	565.6	408.4	290.5
95°	798.6	660.8	798.6	936.3	970.8	1274.8	1680.1	1882.9	1590.2	1004.9	565.9
97.5°	1913.3	1651.1	1913.3	2175.5	2241.1	2433.3	2689.5	2817.6	2329.6	1353.6	621.6
100°	2756.7	2444.3	2756.7	3069.1	3147.2	3133.2	3114.5	3105.1	2563.6	1480.5	668.3
102.5°	3586.4	3318.8	3586.4	3854.0	3920.9	3676.0	3349.5	3186.4	2637.1	1538.8	714.9
105°	4644.1	4500.3	4644.1	4787.9	4823.9	4275.0	3543.1	3177.3	2645.5	1581.9	784.2
107.5°	5337.0	5371.7	5337.0	5302.2	5293.5	4527.8	3507.1	2996.7	2527.8	1589.9	886.5
110°	5601.2	5751.0	5601.2	5451.4	5413.9	4558.0	3416.8	2846.1	2423.4	1577.8	943.7





TEST NUMBER: P935697

CATALOG NUMBER: SQ4-FA-125U-100D-B35-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5624.8	5854.9	5624.8	5394.7	5337.2	4461.2	3293.2	2709.2	2332.3	1578.3	1012.9
115°	5475.6	5794.7	5475.6	5156.5	5076.8	4232.9	3107.8	2545.2	2227.7	1592.9	1116.8
117.5°	5159.3	5513.2	5159.3	4805.5	4717.0	3955.5	2940.0	2432.3	2162.3	1622.5	1217.6
120°	4904.5	5248.3	4904.5	4560.7	4474.7	3778.9	2851.1	2387.1	2140.3	1646.6	1276.4
122.5°	4656.3	4995.5	4656.3	4317.2	4232.4	3605.7	2770.3	2352.5	2128.8	1681.2	1345.6
125°	4302.3	4614.7	4302.3	3989.9	3911.8	3379.5	2669.7	2314.8	2119.2	1727.9	1434.4
127.5°	3983.8	4247.4	3983.8	3720.3	3654.4	3197.3	2587.9	2283.3	2113.7	1774.5	1520.2
130°	3796.3	4039.8	3796.3	3552.7	3491.9	3085.0	2542.5	2271.2	2117.1	1808.6	1577.3
132.5°	3626.0	3844.0	3626.0	3408.0	3353.4	2989.2	2503.5	2260.7	2119.2	1836.3	1624.0
135°	3392.7	3580.6	3392.7	3204.8	3157.8	2852.7	2446.0	2242.7	2117.3	1866.4	1678.2
137.5°	3205.5	3359.4	3205.5	3051.7	3013.2	2755.4	2411.6	2239.6	2130.2	1911.4	1747.4
140°	3077.2	3221.0	3077.2	2933.3	2897.3	2674.5	2377.5	2229.1	2132.4	1939.1	1794.1
142.5°	2970.8	3094.5	2970.8	2847.0	2816.1	2620.5	2359.5	2229.1	2140.1	1962.1	1828.7
145°	2811.2	2904.9	2811.2	2717.6	2694.1	2534.1	2320.8	2214.1	2140.1	1992.3	1881.4
147.5°	2688.8	2766.4	2688.8	2611.2	2591.8	2465.9	2298.0	2214.1	2154.9	2036.5	1947.6
150°	2611.7	2674.6	2611.7	2548.8	2533.1	2426.8	2285.0	2214.1	2162.5	2059.5	1982.3
152.5°	2545.9	2593.3	2545.9	2498.4	2486.5	2395.7	2274.6	2214.1	2167.6	2074.6	2004.9
155°	2470.1	2501.5	2470.1	2438.6	2430.7	2358.5	2262.2	2214.1	2178.6	2107.7	2054.5
157.5°	2410.2	2432.3	2410.2	2388.1	2382.6	2326.4	2251.5	2214.1	2189.6	2140.8	2104.2
160°	2374.4	2387.1	2374.4	2361.7	2358.5	2310.4	2246.1	2214.1	2194.7	2155.8	2126.8
162.5°	2351.0	2363.0	2351.0	2339.0	2336.0	2295.4	2241.2	2214.1	2200.0	2171.9	2150.8
165°	2317.2	2330.0	2317.2	2304.5	2301.3	2272.2	2233.4	2214.1	2207.7	2195.0	2185.4
167.5°	2292.9	2298.3	2292.9	2287.6	2286.3	2267.2	2241.8	2229.1	2223.8	2213.0	2205.0
170°	2286.3	2286.3	2286.3	2286.3	2286.3	2267.2	2241.8	2229.1	2228.7	2228.0	2227.5
172.5°	2268.3	2263.7	2268.3	2273.1	2274.2	2259.2	2239.2	2229.1	2229.1	2229.1	2229.1
175°	2257.7	2257.7	2257.7	2257.7	2257.7	2248.2	2235.5	2229.1	2232.1	2238.1	2242.7
177.5°	2248.0	2242.7	2248.0	2253.3	2254.7	2247.1	2237.1	2232.1	2234.4	2239.2	2242.7
180°	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7



TEST NUMBER: P935697

CATALOG NUMBER: SQ4-FA-125U-100D-B35-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7
2.5°	4117.4	4094.3	4094.3	4055.9	4040.5	4029.0	4009.8	3952.3	3936.9	3921.4	3944.5
5°	4152.0	4109.7	4079.0	4009.8	3952.3	3929.2	3856.2	3718.0	3625.7	3556.6	3518.2
7.5°	4159.6	4105.8	4048.2	3940.7	3802.5	3741.0	3518.2	3264.8	3195.6	3134.1	3095.7
10°	4152.0	4090.5	4009.8	3848.5	3522.0	3414.5	3191.7	3026.6	2984.3	2972.8	2984.3
12.5°	4125.0	4067.5	3956.0	3687.2	3230.2	3157.2	3026.6	2930.5	2922.9	2942.1	3045.8
15°	4079.0	4025.2	3894.6	3472.1	3068.8	3015.0	2922.9	2888.3	2930.5	3064.9	3376.1
17.5°	4032.9	3971.4	3810.1	3260.9	2946.0	2907.5	2842.2	2911.4	3149.4	3330.0	3433.7
20°	3971.4	3898.5	3714.1	3107.2	2857.6	2823.0	2792.3	3103.4	3283.9	3349.3	3406.8
22.5°	3898.5	3821.6	3583.5	2999.7	2765.4	2738.5	2757.7	3211.0	3283.9	3330.0	3380.0
25°	3802.5	3737.1	3429.9	2915.2	2692.5	2661.7	2734.7	3199.4	3241.7	3253.2	3353.0
27.5°	3714.1	3629.6	3268.5	2838.4	2604.1	2592.6	2753.9	3149.4	3180.3	3191.7	3299.3
30°	3606.5	3479.8	3088.0	2757.7	2511.9	2508.1	2757.7	3088.0	3080.4	3111.1	3218.6
32.5°	3495.2	3257.0	2884.4	2657.9	2423.6	2419.7	2730.8	2995.9	2988.2	3030.5	3111.1
35°	3391.5	3084.2	2608.0	2542.7	2312.2	2316.0	2665.5	2888.3	2892.2	2930.5	2980.5
37.5°	3283.9	2934.4	2304.5	2415.9	2204.7	2204.7	2577.2	2788.5	2780.7	2792.3	2861.5
40°	3157.2	2700.1	2035.7	2250.7	2104.8	2093.2	2469.7	2680.9	2654.0	2650.2	2746.2
42.5°	3022.7	2442.8	1836.0	2031.8	1989.6	1974.1	2339.1	2550.3	2500.4	2511.9	2634.8
45°	2876.8	2373.7	1682.3	1716.9	1870.5	1858.9	2196.9	2400.5	2365.9	2396.7	2523.5
47.5°	2730.8	2235.4	1632.4	1424.9	1743.7	1739.9	2039.5	2254.6	2235.4	2266.1	2400.5
50°	2531.1	2081.7	1628.5	1221.4	1601.7	1617.0	1851.3	2112.4	2112.4	2139.4	2281.4
52.5°	2273.8	1893.5	1478.7	1106.1	1436.4	1482.6	1686.2	1989.6	1997.2	2024.1	2150.9
55°	2039.5	1697.7	1371.1	1017.8	1240.6	1340.4	1524.8	1862.8	1878.2	1905.1	2020.3
57.5°	1824.4	1413.4	1348.2	914.2	1060.1	1156.1	1382.7	1739.9	1747.6	1770.7	1882.0
60°	1593.9	1021.6	1236.7	802.7	902.6	975.6	1252.1	1593.9	1620.8	1636.2	1732.2
62.5°	1332.8	741.3	1121.5	725.9	825.8	841.2	1144.6	1455.6	1490.2	1501.8	1559.4
65°	948.7	622.2	952.5	660.7	745.2	748.9	1029.4	1313.6	1344.3	1363.5	1405.7
67.5°	641.4	507.0	725.9	599.1	683.6	687.5	917.9	1148.4	1190.6	1206.0	1233.0
70°	445.5	338.0	537.7	533.9	614.5	622.2	798.9	998.7	1037.0	1048.6	1063.9
72.5°	326.5	272.7	445.5	480.1	541.6	549.2	676.0	829.7	868.0	879.6	887.2
75°	249.6	288.1	361.0	418.6	460.9	464.7	553.1	676.0	702.9	710.6	714.3
77.5°	199.7	268.9	265.0	338.0	376.4	368.7	434.0	522.4	545.4	545.4	545.4
80°	149.8	211.2	199.7	242.0	276.6	268.9	311.1	372.6	380.2	387.9	384.1
82.5°	111.3	134.4	134.4	153.6	184.4	176.6	207.4	242.0	242.0	242.0	249.6
85°	69.1	76.8	61.4	80.6	103.7	99.9	115.2	130.6	134.4	134.4	126.7
87.5°	42.2	34.6	19.2	30.7	46.1	46.1	53.8	57.7	53.8	53.8	53.8
90°	39.1	27.0	15.0	27.0	39.1	42.2	66.2	98.3	114.3	101.6	76.3
92.5°	264.9	162.5	60.2	162.5	264.9	290.5	408.4	565.6	644.2	564.5	405.3
95°	519.1	331.8	144.5	331.8	519.1	565.9	1004.9	1590.2	1882.9	1680.1	1274.8
97.5°	580.3	415.0	249.8	415.0	580.3	621.6	1353.6	2329.6	2817.6	2689.5	2433.3
100°	630.8	481.0	331.1	481.0	630.8	668.3	1480.5	2563.6	3105.1	3114.5	3133.2
102.5°	679.9	540.2	400.4	540.2	679.9	714.9	1538.8	2637.1	3186.4	3349.5	3676.0
105°	754.6	636.1	517.7	636.1	754.6	784.2	1581.9	2645.5	3177.3	3543.1	4275.0
107.5°	858.9	748.6	638.2	748.6	858.9	886.5	1589.9	2527.8	2996.7	3507.1	4527.8
110°	918.8	819.1	719.5	819.1	918.8	943.7	1577.8	2423.4	2846.1	3416.8	4558.0



TEST NUMBER: P935697

CATALOG NUMBER: SQ4-FA-125U-100D-B35-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	989.2	894.2	799.2	894.2	989.2	1012.9	1578.3	2332.3	2709.2	3293.2	4461.2
115°	1094.9	1007.2	919.6	1007.2	1094.9	1116.8	1592.9	2227.7	2545.2	3107.8	4232.9
117.5°	1197.8	1118.1	1038.6	1118.1	1197.8	1217.6	1622.5	2162.3	2432.3	2940.0	3955.5
120°	1257.7	1182.7	1107.8	1182.7	1257.7	1276.4	1646.6	2140.3	2387.1	2851.1	3778.9
122.5°	1326.7	1251.1	1175.5	1251.1	1326.7	1345.6	1681.2	2128.8	2352.5	2770.3	3605.7
125°	1417.2	1348.3	1279.4	1348.3	1417.2	1434.4	1727.9	2119.2	2314.8	2669.7	3379.5
127.5°	1502.8	1433.2	1363.7	1433.2	1502.8	1520.2	1774.5	2113.7	2283.3	2587.9	3197.3
130°	1558.6	1483.7	1408.8	1483.7	1558.6	1577.3	1808.6	2117.1	2271.2	2542.5	3085.0
132.5°	1605.3	1530.3	1455.4	1530.3	1605.3	1624.0	1836.3	2119.2	2260.7	2503.5	2989.2
135°	1661.2	1592.9	1524.7	1592.9	1661.2	1678.2	1866.4	2117.3	2242.7	2446.0	2852.7
137.5°	1730.5	1663.0	1595.5	1663.0	1730.5	1747.4	1911.4	2130.2	2239.6	2411.6	2755.4
140°	1778.5	1716.3	1654.1	1716.3	1778.5	1794.1	1939.1	2132.4	2229.1	2377.5	2674.5
142.5°	1814.4	1756.8	1699.2	1756.8	1814.4	1828.7	1962.1	2140.1	2229.1	2359.5	2620.5
145°	1868.9	1818.7	1768.5	1818.7	1868.9	1881.4	1992.3	2140.1	2214.1	2320.8	2534.1
147.5°	1935.4	1886.5	1837.7	1886.5	1935.4	1947.6	2036.5	2154.9	2214.1	2298.0	2465.9
150°	1971.2	1927.1	1882.9	1927.1	1971.2	1982.3	2059.5	2162.5	2214.1	2285.0	2426.8
152.5°	1996.5	1963.0	1929.6	1963.0	1996.5	2004.9	2074.6	2167.6	2214.1	2274.6	2395.7
155°	2048.3	2023.6	1998.8	2023.6	2048.3	2054.5	2107.7	2178.6	2214.1	2262.2	2358.5
157.5°	2098.2	2074.0	2050.0	2074.0	2098.2	2104.2	2140.8	2189.6	2214.1	2251.5	2326.4
160°	2122.1	2103.3	2084.6	2103.3	2122.1	2126.8	2155.8	2194.7	2214.1	2246.1	2310.4
162.5°	2147.3	2133.3	2119.2	2133.3	2147.3	2150.8	2171.9	2200.0	2214.1	2241.2	2295.4
165°	2182.2	2169.5	2156.8	2169.5	2182.2	2185.4	2195.0	2207.7	2214.1	2233.4	2272.2
167.5°	2203.5	2197.5	2191.5	2197.5	2203.5	2205.0	2213.0	2223.8	2229.1	2241.8	2267.2
170°	2226.1	2220.1	2214.1	2220.1	2226.1	2227.5	2228.0	2228.7	2229.1	2241.8	2267.2
172.5°	2228.8	2227.4	2226.1	2227.4	2228.8	2229.1	2229.1	2229.1	2229.1	2239.2	2259.2
175°	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2238.1	2232.1	2229.1	2235.5	2248.2
177.5°	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2239.2	2234.4	2232.1	2237.1	2247.1
180°	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7



TEST NUMBER: P935697

CATALOG NUMBER: SQ4-FA-125U-100D-B35-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7
2.5°	3917.7	3906.1	3921.4	3879.2	3921.4	3906.1	3917.7	3944.5	3921.4	3936.9	3952.3
5°	3437.5	3418.3	3356.9	3307.0	3356.9	3418.3	3437.5	3518.2	3556.6	3625.7	3718.0
7.5°	3072.7	3057.3	3042.0	3011.2	3042.0	3057.3	3072.7	3095.7	3134.1	3195.6	3264.8
10°	2992.0	2995.9	3018.9	3015.0	3018.9	2995.9	2992.0	2984.3	2972.8	2984.3	3026.6
12.5°	3199.4	3233.9	3360.7	3353.0	3360.7	3233.9	3199.4	3045.8	2942.1	2922.9	2930.5
15°	3437.5	3449.1	3476.0	3479.8	3476.0	3449.1	3437.5	3376.1	3064.9	2930.5	2888.3
17.5°	3460.6	3464.5	3483.7	3483.7	3483.7	3464.5	3460.6	3433.7	3330.0	3149.4	2911.4
20°	3441.4	3449.1	3487.4	3495.2	3487.4	3449.1	3441.4	3406.8	3349.3	3283.9	3103.4
22.5°	3433.7	3449.1	3479.8	3476.0	3479.8	3449.1	3433.7	3380.0	3330.0	3283.9	3211.0
25°	3395.3	3395.3	3399.2	3402.9	3399.2	3395.3	3395.3	3353.0	3253.2	3241.7	3199.4
27.5°	3314.7	3322.3	3345.4	3341.5	3345.4	3322.3	3314.7	3299.3	3191.7	3180.3	3149.4
30°	3241.7	3233.9	3214.8	3199.4	3214.8	3233.9	3241.7	3218.6	3111.1	3080.4	3088.0
32.5°	3118.7	3099.5	3080.4	3068.8	3080.4	3099.5	3118.7	3111.1	3030.5	2988.2	2995.9
35°	2972.8	2976.7	2972.8	2961.3	2972.8	2976.7	2972.8	2980.5	2930.5	2892.2	2888.3
37.5°	2869.1	2876.8	2873.0	2857.6	2873.0	2876.8	2869.1	2861.5	2792.3	2780.7	2788.5
40°	2761.6	2765.4	2761.6	2750.0	2761.6	2765.4	2761.6	2746.2	2650.2	2654.0	2680.9
42.5°	2657.9	2654.0	2642.5	2634.8	2642.5	2654.0	2657.9	2634.8	2511.9	2500.4	2550.3
45°	2538.8	2542.7	2519.6	2508.1	2519.6	2542.7	2538.8	2523.5	2396.7	2365.9	2400.5
47.5°	2419.7	2419.7	2400.5	2389.0	2400.5	2419.7	2419.7	2400.5	2266.1	2235.4	2254.6
50°	2292.9	2289.2	2262.2	2258.4	2262.2	2289.2	2292.9	2281.4	2139.4	2112.4	2112.4
52.5°	2147.0	2147.0	2150.9	2158.5	2150.9	2147.0	2147.0	2150.9	2024.1	1997.2	1989.6
55°	2020.3	2024.1	2051.0	2058.6	2051.0	2024.1	2020.3	2020.3	1905.1	1878.2	1862.8
57.5°	1889.6	1889.6	1908.9	1908.9	1908.9	1889.6	1889.6	1882.0	1770.7	1747.6	1739.9
60°	1739.9	1747.6	1762.9	1759.1	1762.9	1747.6	1739.9	1732.2	1636.2	1620.8	1593.9
62.5°	1582.4	1590.1	1593.9	1586.3	1593.9	1590.1	1582.4	1559.4	1501.8	1490.2	1455.6
65°	1417.3	1424.9	1428.8	1421.1	1428.8	1424.9	1417.3	1405.7	1363.5	1344.3	1313.6
67.5°	1248.3	1244.4	1240.6	1255.9	1240.6	1244.4	1248.3	1233.0	1206.0	1190.6	1148.4
70°	1075.4	1075.4	1071.6	1079.3	1071.6	1075.4	1075.4	1063.9	1048.6	1037.0	998.7
72.5°	891.1	887.2	902.6	891.1	902.6	887.2	891.1	887.2	879.6	868.0	829.7
75°	710.6	718.2	710.6	722.1	710.6	718.2	710.6	714.3	710.6	702.9	676.0
77.5°	541.6	549.2	541.6	541.6	541.6	549.2	541.6	545.4	545.4	545.4	522.4
80°	384.1	380.2	380.2	376.4	380.2	380.2	384.1	384.1	387.9	380.2	372.6
82.5°	245.8	242.0	242.0	249.6	242.0	242.0	245.8	249.6	242.0	242.0	242.0
85°	134.4	138.3	130.6	130.6	130.6	138.3	134.4	126.7	134.4	134.4	130.6
87.5°	49.9	46.1	46.1	46.1	46.1	46.1	49.9	53.8	53.8	53.8	57.7
90°	57.2	57.2	57.2	57.2	57.2	57.2	57.2	76.3	101.6	114.3	98.3
92.5°	286.0	274.6	229.1	183.6	229.1	274.6	286.0	405.3	564.5	644.2	565.6
95°	970.8	936.3	798.6	660.8	798.6	936.3	970.8	1274.8	1680.1	1882.9	1590.2
97.5°	2241.1	2175.5	1913.3	1651.1	1913.3	2175.5	2241.1	2433.3	2689.5	2817.6	2329.6
100°	3147.2	3069.1	2756.7	2444.3	2756.7	3069.1	3147.2	3133.2	3114.5	3105.1	2563.6
102.5°	3920.9	3854.0	3586.4	3318.8	3586.4	3854.0	3920.9	3676.0	3349.5	3186.4	2637.1
105°	4823.9	4787.9	4644.1	4500.3	4644.1	4787.9	4823.9	4275.0	3543.1	3177.3	2645.5
107.5°	5293.5	5302.2	5337.0	5371.7	5337.0	5302.2	5293.5	4527.8	3507.1	2996.7	2527.8
110°	5413.9	5451.4	5601.2	5751.0	5601.2	5451.4	5413.9	4558.0	3416.8	2846.1	2423.4



TEST NUMBER: P935697

CATALOG NUMBER: SQ4-FA-125U-100D-B35-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5337.2	5394.7	5624.8	5854.9	5624.8	5394.7	5337.2	4461.2	3293.2	2709.2	2332.3
115°	5076.8	5156.5	5475.6	5794.7	5475.6	5156.5	5076.8	4232.9	3107.8	2545.2	2227.7
117.5°	4717.0	4805.5	5159.3	5513.2	5159.3	4805.5	4717.0	3955.5	2940.0	2432.3	2162.3
120°	4474.7	4560.7	4904.5	5248.3	4904.5	4560.7	4474.7	3778.9	2851.1	2387.1	2140.3
122.5°	4232.4	4317.2	4656.3	4995.5	4656.3	4317.2	4232.4	3605.7	2770.3	2352.5	2128.8
125°	3911.8	3989.9	4302.3	4614.7	4302.3	3989.9	3911.8	3379.5	2669.7	2314.8	2119.2
127.5°	3654.4	3720.3	3983.8	4247.4	3983.8	3720.3	3654.4	3197.3	2587.9	2283.3	2113.7
130°	3491.9	3552.7	3796.3	4039.8	3796.3	3552.7	3491.9	3085.0	2542.5	2271.2	2117.1
132.5°	3353.4	3408.0	3626.0	3844.0	3626.0	3408.0	3353.4	2989.2	2503.5	2260.7	2119.2
135°	3157.8	3204.8	3392.7	3580.6	3392.7	3204.8	3157.8	2852.7	2446.0	2242.7	2117.3
137.5°	3013.2	3051.7	3205.5	3359.4	3205.5	3051.7	3013.2	2755.4	2411.6	2239.6	2130.2
140°	2897.3	2933.3	3077.2	3221.0	3077.2	2933.3	2897.3	2674.5	2377.5	2229.1	2132.4
142.5°	2816.1	2847.0	2970.8	3094.5	2970.8	2847.0	2816.1	2620.5	2359.5	2229.1	2140.1
145°	2694.1	2717.6	2811.2	2904.9	2811.2	2717.6	2694.1	2534.1	2320.8	2214.1	2140.1
147.5°	2591.8	2611.2	2688.8	2766.4	2688.8	2611.2	2591.8	2465.9	2298.0	2214.1	2154.9
150°	2533.1	2548.8	2611.7	2674.6	2611.7	2548.8	2533.1	2426.8	2285.0	2214.1	2162.5
152.5°	2486.5	2498.4	2545.9	2593.3	2545.9	2498.4	2486.5	2395.7	2274.6	2214.1	2167.6
155°	2430.7	2438.6	2470.1	2501.5	2470.1	2438.6	2430.7	2358.5	2262.2	2214.1	2178.6
157.5°	2382.6	2388.1	2410.2	2432.3	2410.2	2388.1	2382.6	2326.4	2251.5	2214.1	2189.6
160°	2358.5	2361.7	2374.4	2387.1	2374.4	2361.7	2358.5	2310.4	2246.1	2214.1	2194.7
162.5°	2336.0	2339.0	2351.0	2363.0	2351.0	2339.0	2336.0	2295.4	2241.2	2214.1	2200.0
165°	2301.3	2304.5	2317.2	2330.0	2317.2	2304.5	2301.3	2272.2	2233.4	2214.1	2207.7
167.5°	2286.3	2287.6	2292.9	2298.3	2292.9	2287.6	2286.3	2267.2	2241.8	2229.1	2223.8
170°	2286.3	2286.3	2286.3	2286.3	2286.3	2286.3	2286.3	2267.2	2241.8	2229.1	2228.7
172.5°	2274.2	2273.1	2268.3	2263.7	2268.3	2273.1	2274.2	2259.2	2239.2	2229.1	2229.1
175°	2257.7	2257.7	2257.7	2257.7	2257.7	2257.7	2257.7	2248.2	2235.5	2229.1	2232.1
177.5°	2254.7	2253.3	2248.0	2242.7	2248.0	2253.3	2254.7	2247.1	2237.1	2232.1	2234.4
180°	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7



TEST NUMBER: P935697

CATALOG NUMBER: SQ4-FA-125U-100D-B35-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	4059.7	4059.7	4059.7	4059.7	4059.7
2.5°	4009.8	4029.0	4040.5	4055.9	4094.3
5°	3856.2	3929.2	3952.3	4009.8	4079.0
7.5°	3518.2	3741.0	3802.5	3940.7	4048.2
10°	3191.7	3414.5	3522.0	3848.5	4009.8
12.5°	3026.6	3157.2	3230.2	3687.2	3956.0
15°	2922.9	3015.0	3068.8	3472.1	3894.6
17.5°	2842.2	2907.5	2946.0	3260.9	3810.1
20°	2792.3	2823.0	2857.6	3107.2	3714.1
22.5°	2757.7	2738.5	2765.4	2999.7	3583.5
25°	2734.7	2661.7	2692.5	2915.2	3429.9
27.5°	2753.9	2592.6	2604.1	2838.4	3268.5
30°	2757.7	2508.1	2511.9	2757.7	3088.0
32.5°	2730.8	2419.7	2423.6	2657.9	2884.4
35°	2665.5	2316.0	2312.2	2542.7	2608.0
37.5°	2577.2	2204.7	2204.7	2415.9	2304.5
40°	2469.7	2093.2	2104.8	2250.7	2035.7
42.5°	2339.1	1974.1	1989.6	2031.8	1836.0
45°	2196.9	1858.9	1870.5	1716.9	1682.3
47.5°	2039.5	1739.9	1743.7	1424.9	1632.4
50°	1851.3	1617.0	1601.7	1221.4	1628.5
52.5°	1686.2	1482.6	1436.4	1106.1	1478.7
55°	1524.8	1340.4	1240.6	1017.8	1371.1
57.5°	1382.7	1156.1	1060.1	914.2	1348.2
60°	1252.1	975.6	902.6	802.7	1236.7
62.5°	1144.6	841.2	825.8	725.9	1121.5
65°	1029.4	748.9	745.2	660.7	952.5
67.5°	917.9	687.5	683.6	599.1	725.9
70°	798.9	622.2	614.5	533.9	537.7
72.5°	676.0	549.2	541.6	480.1	445.5
75°	553.1	464.7	460.9	418.6	361.0
77.5°	434.0	368.7	376.4	338.0	265.0
80°	311.1	268.9	276.6	242.0	199.7
82.5°	207.4	176.6	184.4	153.6	134.4
85°	115.2	99.9	103.7	80.6	61.4
87.5°	53.8	46.1	46.1	30.7	19.2
90°	66.2	42.2	39.1	27.0	15.0
92.5°	408.4	290.5	264.9	162.5	60.2
95°	1004.9	565.9	519.1	331.8	144.5
97.5°	1353.6	621.6	580.3	415.0	249.8
100°	1480.5	668.3	630.8	481.0	331.1
102.5°	1538.8	714.9	679.9	540.2	400.4
105°	1581.9	784.2	754.6	636.1	517.7
107.5°	1589.9	886.5	858.9	748.6	638.2
110°	1577.8	943.7	918.8	819.1	719.5



TEST NUMBER: P935697

CATALOG NUMBER: SQ4-FA-125U-100D-B35-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1578.3	1012.9	989.2	894.2	799.2
115°	1592.9	1116.8	1094.9	1007.2	919.6
117.5°	1622.5	1217.6	1197.8	1118.1	1038.6
120°	1646.6	1276.4	1257.7	1182.7	1107.8
122.5°	1681.2	1345.6	1326.7	1251.1	1175.5
125°	1727.9	1434.4	1417.2	1348.3	1279.4
127.5°	1774.5	1520.2	1502.8	1433.2	1363.7
130°	1808.6	1577.3	1558.6	1483.7	1408.8
132.5°	1836.3	1624.0	1605.3	1530.3	1455.4
135°	1866.4	1678.2	1661.2	1592.9	1524.7
137.5°	1911.4	1747.4	1730.5	1663.0	1595.5
140°	1939.1	1794.1	1778.5	1716.3	1654.1
142.5°	1962.1	1828.7	1814.4	1756.8	1699.2
145°	1992.3	1881.4	1868.9	1818.7	1768.5
147.5°	2036.5	1947.6	1935.4	1886.5	1837.7
150°	2059.5	1982.3	1971.2	1927.1	1882.9
152.5°	2074.6	2004.9	1996.5	1963.0	1929.6
155°	2107.7	2054.5	2048.3	2023.6	1998.8
157.5°	2140.8	2104.2	2098.2	2074.0	2050.0
160°	2155.8	2126.8	2122.1	2103.3	2084.6
162.5°	2171.9	2150.8	2147.3	2133.3	2119.2
165°	2195.0	2185.4	2182.2	2169.5	2156.8
167.5°	2213.0	2205.0	2203.5	2197.5	2191.5
170°	2228.0	2227.5	2226.1	2220.1	2214.1
172.5°	2229.1	2229.1	2228.8	2227.4	2226.1
175°	2238.1	2242.7	2242.7	2242.7	2242.7
177.5°	2239.2	2242.7	2242.7	2242.7	2242.7
180°	2242.7	2242.7	2242.7	2242.7	2242.7



TEST NUMBER: P935697  
 CATALOG NUMBER: SQ4-FA-125U-100D-B35-1D-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	12.82	13.61	13.84	14.64	16.02	15.67	16.46	16.69	17.49	18.87
	3H	13.29	14.00	14.32	15.04	16.44	17.02	17.73	18.05	18.77	20.17
	4H	13.48	14.15	14.52	15.19	16.60	17.46	18.13	18.51	19.18	20.59
	6H	13.59	14.21	14.65	15.26	16.68	17.75	18.37	18.80	19.41	20.83
	8H	13.59	14.18	14.65	15.24	16.66	17.82	18.41	18.88	19.48	20.89
	12H	13.56	14.12	14.63	15.18	16.62	17.86	18.42	18.93	19.48	20.92
4H	2H	13.85	14.52	14.90	15.56	16.97	16.07	16.74	17.12	17.78	19.19
	3H	14.87	15.43	15.93	16.50	17.92	17.57	18.14	18.63	19.21	20.63
	4H	15.14	15.66	16.21	16.72	18.16	18.10	18.62	19.17	19.68	21.12
	6H	15.26	15.70	16.34	16.79	18.23	18.47	18.91	19.55	20.00	21.43
	8H	15.27	15.68	16.34	16.76	18.21	18.58	18.99	19.66	20.07	21.52
	12H	15.23	15.60	16.32	16.69	18.15	18.64	19.01	19.73	20.10	21.56
8H	4H	15.59	16.00	16.67	17.08	18.53	18.22	18.63	19.30	19.71	21.17
	6H	15.85	16.19	16.95	17.31	18.76	18.66	19.00	19.76	20.12	21.57
	8H	15.89	16.19	17.00	17.29	18.76	18.82	19.12	19.92	20.22	21.69
	12H	15.87	16.14	16.98	17.23	18.74	18.92	19.18	20.03	20.28	21.78
12H	4H	15.60	15.97	16.69	17.06	18.52	18.18	18.56	19.28	19.65	21.11
	6H	15.91	16.21	17.02	17.31	18.78	18.66	18.96	19.76	20.06	21.53
	8H	15.98	16.24	17.08	17.34	18.84	18.82	19.08	19.93	20.18	21.69