

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: P935705

Luminaire Tested: SQ4-FA-125U-100D-B50-1D-UNV-STD-W-12

Issue Date: 12/17/2024

**Test Information**

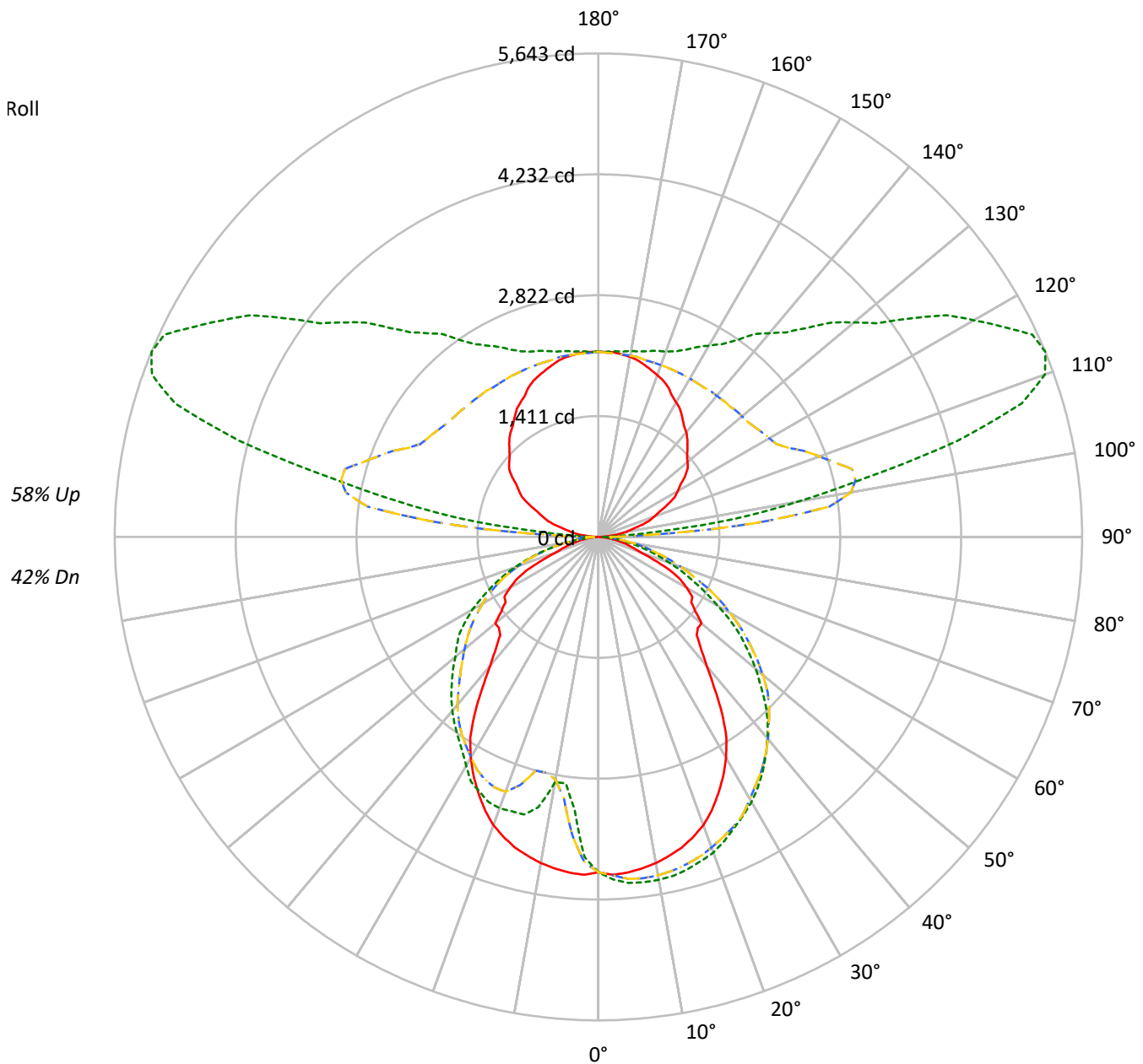
Test Method: LM-79-2019  
Report Number: P935705  
REPORT IS A COMBINATION OF REPORTS P933761 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-100D-B50-1D-UNV-STD-W-12  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24167.2 lumens  
Efficiency: N/A  
Efficacy: 125.1 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: P935705  
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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°	12104	12104	12104	12104
5°	12199	12218	12199	9607
10°	12121	12036	12121	8604
15°	11994	11775	11994	9832
20°	11748	11466	11748	9852
25°	11239	11015	11239	9643
30°	10580	10641	10580	9186
35°	9437	10168	9437	8682
40°	7867	9611	7867	8301
45°	7034	8959	7034	7863
50°	7479	8182	7479	7424
55°	7043	7344	7043	7170
60°	7270	6237	7270	6567
65°	6601	5156	6601	5763
70°	4582	4109	4582	4831
75°	4033	3037	4033	3637
80°	3274	2008	3274	2186
85°	1918	1063	1918	904

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 10774 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	353.2	1.5
10°-20°	1002.9	4.1
20°-30°	1550.3	6.4
30°-40°	1850.7	7.7
40°-50°	1861.6	7.7
50°-60°	1619.8	6.7
60°-70°	1148.5	4.8
70°-80°	607.6	2.5
80°-90°	159.6	0.7
90°-100°	1053.7	4.4
100°-110°	2770.2	11.5
110°-120°	2872.4	11.9
120°-130°	2304.0	9.5
130°-140°	1807.8	7.5
140°-150°	1387.6	5.7
150°-160°	999.3	4.1
160°-170°	611.4	2.5
170°-180°	206.6	0.9
0°-30°	2906.5	12.0
0°-40°	4757.2	19.7
0°-60°	8238.6	34.1
0°-90°	10154.3	42.0
90°-120°	6696.3	27.7
90°-150°	12195.7	50.5
90°-180°	14013.0	58.0
0°-180°	24167.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3913	3913	3913	3913	3913	
5°	3932	4054	3932	3188	3932	373
15°	3754	4017	3754	3354	3754	1056
25°	3306	3747	3306	3280	3306	1518
35°	2514	3343	2514	2854	2514	1555
45°	1622	2754	1622	2418	1622	1299
55°	1322	2032	1322	1984	1322	1214
65°	918	1225	918	1370	918	877
75°	348	581	348	696	348	366
85°	59	148	59	126	59	80
90°	14	55	14	55	14	14
95°	139	637	139	637	139	155
105°	499	4338	499	4338	499	529
115°	886	5585	886	5585	886	876
125°	1233	4448	1233	4448	1233	1095
135°	1470	3451	1470	3451	1470	1137
145°	1705	2800	1705	2800	1705	1068
155°	1927	2411	1927	2411	1927	885
165°	2079	2246	2079	2246	2079	587
175°	2162	2176	2162	2176	2162	205
180°	2162	2162	2162	2162	2162	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1
2.5°	3946.4	3946.4	3968.7	3976.0	3976.0	3964.9	3953.8	3964.9	3998.3	4009.4	4005.6
5°	3931.7	3961.3	4002.0	4009.4	4016.8	4013.1	4005.6	4013.1	4050.1	4057.5	4061.2
7.5°	3902.0	3957.5	4009.4	4020.5	4031.6	4020.5	4016.8	4024.2	4061.2	4068.6	4068.6
10°	3865.0	3942.8	4002.0	4009.4	4020.5	4009.4	4009.4	4024.2	4061.2	4068.6	4072.3
12.5°	3813.1	3920.6	3976.0	3983.5	3998.3	3994.5	3990.9	4005.6	4042.7	4050.1	4050.1
15°	3753.9	3879.8	3931.7	3939.1	3964.9	3957.5	3957.5	3972.4	4013.1	4024.2	4020.5
17.5°	3672.5	3828.0	3887.2	3898.3	3916.8	3913.1	3916.8	3931.7	3968.7	3976.0	3979.8
20°	3579.9	3757.7	3828.0	3839.1	3857.6	3857.6	3857.6	3876.1	3913.1	3927.9	3927.9
22.5°	3454.0	3683.6	3757.7	3765.0	3787.3	3787.3	3794.7	3820.5	3853.9	3857.6	3857.6
25°	3306.0	3602.2	3665.1	3687.3	3709.5	3720.6	3731.7	3746.6	3757.7	3753.9	3757.7
27.5°	3150.5	3498.5	3579.9	3594.8	3624.4	3635.5	3650.3	3654.0	3657.6	3668.8	3661.4
30°	2976.5	3354.1	3476.3	3491.1	3539.2	3546.6	3531.8	3539.2	3557.7	3565.2	3572.6
32.5°	2780.2	3139.4	3368.9	3402.2	3446.6	3424.4	3420.8	3431.9	3461.5	3461.5	3468.9
35°	2513.8	2972.8	3269.0	3298.6	3331.9	3306.0	3320.7	3324.5	3343.0	3354.1	3350.4
37.5°	2221.2	2828.4	3165.3	3187.6	3213.4	3180.1	3202.3	3213.4	3228.3	3220.8	3220.8
40°	1962.1	2602.6	3043.2	3057.9	3080.1	3054.3	3076.4	3083.9	3091.3	3083.9	3080.1
42.5°	1769.6	2354.5	2913.5	2932.1	2917.3	2935.7	2943.1	2958.0	2946.9	2932.1	2932.1
45°	1621.5	2287.9	2772.9	2795.1	2772.9	2802.5	2813.6	2813.6	2780.2	2772.9	2769.2
47.5°	1573.4	2154.6	2632.2	2632.2	2621.1	2658.1	2676.7	2650.7	2617.3	2606.3	2606.3
50°	1569.7	2006.5	2439.7	2424.9	2476.7	2521.1	2502.7	2476.7	2450.8	2410.1	2410.1
52.5°	1425.3	1825.1	2191.6	2247.2	2328.6	2354.5	2324.9	2299.0	2254.6	2236.1	2221.2
55°	1321.6	1636.4	1965.8	2076.8	2162.0	2195.4	2139.8	2113.9	2047.2	2036.1	2028.7
57.5°	1299.5	1362.3	1758.5	1899.2	2002.9	1999.1	1965.8	1917.7	1862.1	1851.1	1847.4
60°	1192.1	984.7	1536.3	1703.0	1810.4	1799.3	1769.6	1725.2	1673.4	1666.0	1658.5
62.5°	1081.0	714.5	1284.6	1473.5	1625.3	1621.5	1595.6	1529.0	1492.0	1473.5	1458.6
65°	918.1	599.7	914.4	1225.4	1443.8	1451.2	1395.7	1347.6	1306.9	1284.6	1280.9
67.5°	699.7	488.7	618.2	1021.8	1269.9	1262.4	1192.1	1169.8	1118.0	1106.9	1084.7
70°	518.3	325.8	429.5	829.3	1099.5	1081.0	1025.4	999.6	951.5	925.5	910.7
72.5°	429.5	262.8	314.7	644.2	925.5	903.3	855.2	825.6	784.8	762.6	747.9
75°	348.0	277.7	240.6	477.6	751.5	736.7	692.3	662.7	629.3	599.7	603.5
77.5°	255.4	259.2	192.5	351.7	596.1	573.8	547.9	510.9	496.0	466.4	466.4
80°	192.5	203.6	144.4	240.6	429.5	429.5	407.2	381.4	355.4	340.6	340.6
82.5°	129.5	129.5	107.3	151.8	292.4	281.3	266.6	259.2	244.3	237.0	237.0
85°	59.2	74.1	66.6	92.6	159.2	166.6	166.6	159.2	155.5	148.0	151.8
87.5°	18.5	33.3	40.7	51.8	81.4	85.2	88.8	88.8	88.8	92.6	92.6
90°	14.5	26.1	37.7	40.6	63.8	94.7	110.2	98.0	73.5	55.1	55.1
92.5°	58.0	156.6	255.4	280.0	393.7	545.2	620.9	544.1	390.7	275.6	264.7
95°	139.3	319.8	500.3	545.5	968.6	1532.8	1814.9	1619.5	1228.8	935.8	902.5
97.5°	240.8	400.0	559.4	599.2	1304.7	2245.4	2715.8	2592.3	2345.4	2160.2	2096.9
100°	319.1	463.6	608.0	644.2	1427.1	2471.0	2992.9	3002.0	3020.0	3033.5	2958.3
102.5°	385.9	520.7	655.4	689.1	1483.2	2541.9	3071.3	3228.6	3543.2	3779.2	3714.8
105°	499.0	613.2	727.3	755.9	1524.8	2549.9	3062.5	3415.2	4120.6	4649.6	4615.0
107.5°	615.1	721.5	827.9	854.5	1532.5	2436.5	2888.5	3380.4	4364.3	5102.3	5110.7
110°	693.5	789.5	885.6	909.6	1520.8	2335.8	2743.3	3293.4	4393.3	5218.4	5254.5



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	770.4	861.9	953.4	976.3	1521.3	2248.0	2611.4	3174.3	4300.0	5144.4	5199.9
115°	886.4	970.8	1055.3	1076.4	1535.4	2147.3	2453.2	2995.5	4080.0	4893.4	4970.3
117.5°	1001.1	1077.7	1154.5	1173.7	1563.9	2084.2	2344.4	2833.8	3812.6	4546.6	4631.9
120°	1067.7	1139.9	1212.2	1230.3	1587.1	2063.0	2300.9	2748.1	3642.4	4313.1	4396.0
122.5°	1133.0	1205.9	1278.7	1297.0	1620.5	2051.9	2267.6	2670.2	3475.5	4079.5	4161.3
125°	1233.2	1299.6	1366.0	1382.6	1665.5	2042.7	2231.2	2573.3	3257.4	3770.5	3845.7
127.5°	1314.4	1381.5	1448.5	1465.3	1710.4	2037.3	2200.8	2494.4	3081.8	3522.4	3585.9
130°	1357.9	1430.1	1502.3	1520.4	1743.3	2040.6	2189.2	2450.6	2973.6	3365.8	3424.4
132.5°	1402.9	1475.1	1547.4	1565.4	1769.9	2042.7	2179.0	2413.1	2881.2	3232.3	3284.9
135°	1469.6	1535.4	1601.2	1617.6	1799.0	2040.8	2161.6	2357.7	2749.7	3043.7	3089.0
137.5°	1537.8	1602.9	1668.0	1684.3	1842.4	2053.3	2158.8	2324.4	2655.8	2904.4	2941.4
140°	1594.3	1654.3	1714.3	1729.3	1869.0	2055.4	2148.6	2291.7	2577.9	2792.7	2827.3
142.5°	1637.9	1693.3	1748.8	1762.6	1891.3	2062.8	2148.6	2274.3	2525.8	2714.4	2744.2
145°	1704.6	1753.0	1801.4	1813.5	1920.3	2062.8	2134.1	2236.9	2442.6	2596.8	2619.4
147.5°	1771.3	1818.4	1865.5	1877.2	1962.9	2077.0	2134.1	2215.0	2376.8	2498.2	2516.8
150°	1814.9	1857.4	1900.0	1910.7	1985.1	2084.4	2134.1	2202.5	2339.1	2441.6	2456.7
152.5°	1859.9	1892.1	1924.4	1932.4	1999.7	2089.3	2134.1	2192.5	2309.1	2396.6	2408.1
155°	1926.6	1950.5	1974.3	1980.3	2031.5	2099.9	2134.1	2180.5	2273.4	2342.9	2350.5
157.5°	1976.0	1999.1	2022.4	2028.2	2063.5	2110.6	2134.1	2170.1	2242.3	2296.5	2301.8
160°	2009.3	2027.3	2045.5	2049.9	2078.0	2115.4	2134.1	2165.0	2226.9	2273.4	2276.4
162.5°	2042.7	2056.2	2069.7	2073.1	2093.5	2120.6	2134.1	2160.2	2212.5	2251.6	2254.5
165°	2078.9	2091.1	2103.4	2106.5	2115.7	2127.9	2134.1	2152.8	2190.1	2218.2	2221.2
167.5°	2112.3	2118.1	2123.9	2125.3	2133.1	2143.4	2148.6	2160.8	2185.3	2203.7	2205.0
170°	2134.1	2139.9	2145.7	2147.1	2147.5	2148.2	2148.6	2160.8	2185.3	2203.7	2203.7
172.5°	2145.7	2147.0	2148.3	2148.6	2148.6	2148.6	2148.6	2158.3	2177.6	2192.1	2191.0
175°	2161.6	2161.6	2161.6	2161.6	2157.3	2151.5	2148.6	2154.7	2167.0	2176.1	2176.1
177.5°	2161.6	2161.6	2161.6	2161.6	2158.3	2153.7	2151.5	2156.3	2165.9	2173.2	2171.9
180°	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1
2.5°	4013.1	4002.0	4013.1	4005.6	4009.4	3998.3	3964.9	3953.8	3964.9	3976.0	3976.0
5°	4061.2	4053.8	4061.2	4061.2	4057.5	4050.1	4013.1	4005.6	4013.1	4016.8	4009.4
7.5°	4076.0	4065.0	4076.0	4068.6	4068.6	4061.2	4024.2	4016.8	4020.5	4031.6	4020.5
10°	4076.0	4065.0	4076.0	4072.3	4068.6	4061.2	4024.2	4009.4	4009.4	4020.5	4009.4
12.5°	4057.5	4050.1	4057.5	4050.1	4050.1	4042.7	4005.6	3990.9	3994.5	3998.3	3983.5
15°	4027.9	4016.8	4027.9	4020.5	4024.2	4013.1	3972.4	3957.5	3957.5	3964.9	3939.1
17.5°	3983.5	3968.7	3983.5	3979.8	3976.0	3968.7	3931.7	3916.8	3913.1	3916.8	3898.3
20°	3931.7	3920.6	3931.7	3927.9	3927.9	3913.1	3876.1	3857.6	3857.6	3857.6	3839.1
22.5°	3850.2	3839.1	3850.2	3857.6	3857.6	3853.9	3820.5	3794.7	3787.3	3787.3	3765.0
25°	3757.7	3746.6	3757.7	3757.7	3753.9	3757.7	3746.6	3731.7	3720.6	3709.5	3687.3
27.5°	3668.8	3661.4	3668.8	3661.4	3668.8	3657.6	3654.0	3650.3	3635.5	3624.4	3594.8
30°	3579.9	3572.6	3579.9	3572.6	3565.2	3557.7	3539.2	3531.8	3546.6	3539.2	3491.1
32.5°	3468.9	3461.5	3468.9	3468.9	3461.5	3461.5	3431.9	3420.8	3424.4	3446.6	3402.2
35°	3354.1	3343.0	3354.1	3350.4	3354.1	3343.0	3324.5	3320.7	3306.0	3331.9	3298.6
37.5°	3220.8	3209.7	3220.8	3220.8	3220.8	3228.3	3213.4	3202.3	3180.1	3213.4	3187.6
40°	3083.9	3069.0	3083.9	3080.1	3083.9	3091.3	3083.9	3076.4	3054.3	3080.1	3057.9
42.5°	2928.4	2924.6	2928.4	2932.1	2932.1	2946.9	2958.0	2943.1	2935.7	2917.3	2932.1
45°	2761.7	2754.4	2761.7	2769.2	2772.9	2780.2	2813.6	2813.6	2802.5	2772.9	2795.1
47.5°	2584.1	2565.6	2584.1	2606.3	2606.3	2617.3	2650.7	2676.7	2658.1	2621.1	2632.2
50°	2395.2	2399.0	2395.2	2410.1	2410.1	2450.8	2476.7	2502.7	2521.1	2476.7	2424.9
52.5°	2210.1	2206.5	2210.1	2221.2	2236.1	2254.6	2299.0	2324.9	2354.5	2328.6	2247.2
55°	2025.0	2032.5	2025.0	2028.7	2036.1	2047.2	2113.9	2139.8	2195.4	2162.0	2076.8
57.5°	1840.0	1828.9	1840.0	1847.4	1851.1	1862.1	1917.7	1965.8	1999.1	2002.9	1899.2
60°	1625.3	1610.4	1625.3	1658.5	1666.0	1673.4	1725.2	1769.6	1799.3	1810.4	1703.0
62.5°	1436.4	1410.5	1436.4	1458.6	1473.5	1492.0	1529.0	1595.6	1621.5	1625.3	1473.5
65°	1236.5	1225.4	1236.5	1280.9	1284.6	1306.9	1347.6	1395.7	1451.2	1443.8	1225.4
67.5°	1055.1	1055.1	1055.1	1084.7	1106.9	1118.0	1169.8	1192.1	1262.4	1269.9	1021.8
70°	888.5	884.8	888.5	910.7	925.5	951.5	999.6	1025.4	1081.0	1099.5	829.3
72.5°	729.4	725.6	729.4	747.9	762.6	784.8	825.6	855.2	903.3	925.5	644.2
75°	588.6	581.2	588.6	603.5	599.7	629.3	662.7	692.3	736.7	751.5	477.6
77.5°	451.7	451.7	451.7	466.4	466.4	496.0	510.9	547.9	573.8	596.1	351.7
80°	336.9	333.2	336.9	340.6	340.6	355.4	381.4	407.2	429.5	429.5	240.6
82.5°	237.0	229.5	237.0	237.0	237.0	244.3	259.2	266.6	281.3	292.4	151.8
85°	148.0	148.0	148.0	151.8	148.0	155.5	159.2	166.6	166.6	159.2	92.6
87.5°	96.3	92.6	96.3	92.6	92.6	88.8	88.8	88.8	85.2	81.4	51.8
90°	55.1	55.1	55.1	55.1	55.1	73.5	98.0	110.2	94.7	63.8	40.6
92.5°	220.8	177.0	220.8	264.7	275.6	390.7	544.1	620.9	545.2	393.7	280.0
95°	769.7	636.9	769.7	902.5	935.8	1228.8	1619.5	1814.9	1532.8	968.6	545.5
97.5°	1844.2	1591.4	1844.2	2096.9	2160.2	2345.4	2592.3	2715.8	2245.4	1304.7	599.2
100°	2657.1	2356.0	2657.1	2958.3	3033.5	3020.0	3002.0	2992.9	2471.0	1427.1	644.2
102.5°	3456.8	3199.0	3456.8	3714.8	3779.2	3543.2	3228.6	3071.3	2541.9	1483.2	689.1
105°	4476.4	4337.8	4476.4	4615.0	4649.6	4120.6	3415.2	3062.5	2549.9	1524.8	755.9
107.5°	5144.2	5177.7	5144.2	5110.7	5102.3	4364.3	3380.4	2888.5	2436.5	1532.5	854.5
110°	5398.9	5543.3	5398.9	5254.5	5218.4	4393.3	3293.4	2743.3	2335.8	1520.8	909.6





TEST NUMBER: P935705

CATALOG NUMBER: SQ4-FA-125U-100D-B50-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5421.6	5643.4	5421.6	5199.9	5144.4	4300.0	3174.3	2611.4	2248.0	1521.3	976.3
115°	5277.8	5585.4	5277.8	4970.3	4893.4	4080.0	2995.5	2453.2	2147.3	1535.4	1076.4
117.5°	4973.0	5314.1	4973.0	4631.9	4546.6	3812.6	2833.8	2344.4	2084.2	1563.9	1173.7
120°	4727.3	5058.7	4727.3	4396.0	4313.1	3642.4	2748.1	2300.9	2063.0	1587.1	1230.3
122.5°	4488.2	4815.1	4488.2	4161.3	4079.5	3475.5	2670.2	2267.6	2051.9	1620.5	1297.0
125°	4146.9	4448.0	4146.9	3845.7	3770.5	3257.4	2573.3	2231.2	2042.7	1665.5	1382.6
127.5°	3840.0	4094.0	3840.0	3585.9	3522.4	3081.8	2494.4	2200.8	2037.3	1710.4	1465.3
130°	3659.1	3893.8	3659.1	3424.4	3365.8	2973.6	2450.6	2189.2	2040.6	1743.3	1520.4
132.5°	3495.0	3705.2	3495.0	3284.9	3232.3	2881.2	2413.1	2179.0	2042.7	1769.9	1565.4
135°	3270.1	3451.3	3270.1	3089.0	3043.7	2749.7	2357.7	2161.6	2040.8	1799.0	1617.6
137.5°	3089.8	3238.1	3089.8	2941.4	2904.4	2655.8	2324.4	2158.8	2053.3	1842.4	1684.3
140°	2966.0	3104.6	2966.0	2827.3	2792.7	2577.9	2291.7	2148.6	2055.4	1869.0	1729.3
142.5°	2863.5	2982.7	2863.5	2744.2	2714.4	2525.8	2274.3	2148.6	2062.8	1891.3	1762.6
145°	2709.6	2799.9	2709.6	2619.4	2596.8	2442.6	2236.9	2134.1	2062.8	1920.3	1813.5
147.5°	2591.7	2666.5	2591.7	2516.8	2498.2	2376.8	2215.0	2134.1	2077.0	1962.9	1877.2
150°	2517.4	2578.0	2517.4	2456.7	2441.6	2339.1	2202.5	2134.1	2084.4	1985.1	1910.7
152.5°	2453.9	2499.7	2453.9	2408.1	2396.6	2309.1	2192.5	2134.1	2089.3	1999.7	1932.4
155°	2380.9	2411.1	2380.9	2350.5	2342.9	2273.4	2180.5	2134.1	2099.9	2031.5	1980.3
157.5°	2323.1	2344.4	2323.1	2301.8	2296.5	2242.3	2170.1	2134.1	2110.6	2063.5	2028.2
160°	2288.7	2300.9	2288.7	2276.4	2273.4	2226.9	2165.0	2134.1	2115.4	2078.0	2049.9
162.5°	2266.1	2277.7	2266.1	2254.5	2251.6	2212.5	2160.2	2134.1	2120.6	2093.5	2073.1
165°	2233.5	2245.8	2233.5	2221.2	2218.2	2190.1	2152.8	2134.1	2127.9	2115.7	2106.5
167.5°	2210.1	2215.3	2210.1	2205.0	2203.7	2185.3	2160.8	2148.6	2143.4	2133.1	2125.3
170°	2203.7	2203.7	2203.7	2203.7	2203.7	2185.3	2160.8	2148.6	2148.2	2147.5	2147.1
172.5°	2186.4	2181.9	2186.4	2191.0	2192.1	2177.6	2158.3	2148.6	2148.6	2148.6	2148.6
175°	2176.1	2176.1	2176.1	2176.1	2176.1	2167.0	2154.7	2148.6	2151.5	2157.3	2161.6
177.5°	2166.8	2161.6	2166.8	2171.9	2173.2	2165.9	2156.3	2151.5	2153.7	2158.3	2161.6
180°	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6



TEST NUMBER: P935705  
 CATALOG NUMBER: SQ4-FA-125U-100D-B50-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1
2.5°	3968.7	3946.4	3946.4	3909.4	3894.6	3883.5	3865.0	3809.5	3794.7	3779.8	3802.0
5°	4002.0	3961.3	3931.7	3865.0	3809.5	3787.3	3716.9	3583.7	3494.7	3428.2	3391.2
7.5°	4009.4	3957.5	3902.0	3798.4	3665.1	3605.9	3391.2	3146.8	3080.1	3020.9	2983.8
10°	4002.0	3942.8	3865.0	3709.5	3394.8	3291.1	3076.4	2917.3	2876.5	2865.4	2876.5
12.5°	3976.0	3920.6	3813.1	3554.1	3113.5	3043.2	2917.3	2824.7	2817.3	2835.8	2935.7
15°	3931.7	3879.8	3753.9	3346.7	2958.0	2906.1	2817.3	2784.0	2824.7	2954.2	3254.1
17.5°	3887.2	3828.0	3672.5	3143.1	2839.5	2802.5	2739.5	2806.2	3035.7	3209.7	3309.7
20°	3828.0	3757.7	3579.9	2995.0	2754.4	2721.0	2691.4	2991.3	3165.3	3228.3	3283.8
22.5°	3757.7	3683.6	3454.0	2891.4	2665.5	2639.6	2658.1	3095.0	3165.3	3209.7	3257.9
25°	3665.1	3602.2	3306.0	2809.9	2595.2	2565.6	2635.9	3083.9	3124.6	3135.7	3231.9
27.5°	3579.9	3498.5	3150.5	2735.9	2510.0	2498.9	2654.4	3035.7	3065.4	3076.4	3180.1
30°	3476.3	3354.1	2976.5	2658.1	2421.2	2417.5	2658.1	2976.5	2969.1	2998.7	3102.4
32.5°	3368.9	3139.4	2780.2	2561.9	2336.0	2332.3	2632.2	2887.6	2880.3	2921.0	2998.7
35°	3269.0	2972.8	2513.8	2450.8	2228.7	2232.4	2569.2	2784.0	2787.7	2824.7	2872.8
37.5°	3165.3	2828.4	2221.2	2328.6	2125.0	2125.0	2484.1	2687.8	2680.3	2691.4	2758.1
40°	3043.2	2602.6	1962.1	2169.4	2028.7	2017.6	2380.5	2584.1	2558.1	2554.5	2647.0
42.5°	2913.5	2354.5	1769.6	1958.4	1917.7	1902.8	2254.6	2458.2	2410.1	2421.2	2539.6
45°	2772.9	2287.9	1621.5	1654.9	1802.9	1791.8	2117.6	2313.8	2280.5	2310.2	2432.3
47.5°	2632.2	2154.6	1573.4	1373.4	1680.7	1677.1	1965.8	2173.1	2154.6	2184.3	2313.8
50°	2439.7	2006.5	1569.7	1177.3	1543.8	1558.6	1784.4	2036.1	2036.1	2062.1	2199.0
52.5°	2191.6	1825.1	1425.3	1066.2	1384.6	1429.0	1625.3	1917.7	1925.1	1951.0	2073.2
55°	1965.8	1636.4	1321.6	981.1	1195.8	1292.0	1469.7	1795.5	1810.4	1836.2	1947.3
57.5°	1758.5	1362.3	1299.5	881.1	1021.8	1114.4	1332.7	1677.1	1684.5	1706.7	1814.0
60°	1536.3	984.7	1192.1	773.7	870.0	940.4	1206.9	1536.3	1562.3	1577.1	1669.6
62.5°	1284.6	714.5	1081.0	699.7	796.0	810.8	1103.2	1403.1	1436.4	1447.5	1503.1
65°	914.4	599.7	918.1	636.8	718.2	721.9	992.2	1266.1	1295.7	1314.2	1355.0
67.5°	618.2	488.7	699.7	577.5	658.9	662.7	884.8	1106.9	1147.6	1162.5	1188.4
70°	429.5	325.8	518.3	514.6	592.3	599.7	770.1	962.6	999.6	1010.7	1025.4
72.5°	314.7	262.8	429.5	462.8	522.0	529.4	651.6	799.7	836.7	847.8	855.2
75°	240.6	277.7	348.0	403.5	444.2	447.9	533.1	651.6	677.5	684.9	688.5
77.5°	192.5	259.2	255.4	325.8	362.8	355.4	418.3	503.5	525.7	525.7	525.7
80°	144.4	203.6	192.5	233.2	266.6	259.2	299.9	359.1	366.5	373.9	370.2
82.5°	107.3	129.5	129.5	148.0	177.7	170.3	199.9	233.2	233.2	233.2	240.6
85°	66.6	74.1	59.2	77.7	99.9	96.3	111.1	125.9	129.5	129.5	122.2
87.5°	40.7	33.3	18.5	29.6	44.5	44.5	51.8	55.6	51.8	51.8	51.8
90°	37.7	26.1	14.5	26.1	37.7	40.6	63.8	94.7	110.2	98.0	73.5
92.5°	255.4	156.6	58.0	156.6	255.4	280.0	393.7	545.2	620.9	544.1	390.7
95°	500.3	319.8	139.3	319.8	500.3	545.5	968.6	1532.8	1814.9	1619.5	1228.8
97.5°	559.4	400.0	240.8	400.0	559.4	599.2	1304.7	2245.4	2715.8	2592.3	2345.4
100°	608.0	463.6	319.1	463.6	608.0	644.2	1427.1	2471.0	2992.9	3002.0	3020.0
102.5°	655.4	520.7	385.9	520.7	655.4	689.1	1483.2	2541.9	3071.3	3228.6	3543.2
105°	727.3	613.2	499.0	613.2	727.3	755.9	1524.8	2549.9	3062.5	3415.2	4120.6
107.5°	827.9	721.5	615.1	721.5	827.9	854.5	1532.5	2436.5	2888.5	3380.4	4364.3
110°	885.6	789.5	693.5	789.5	885.6	909.6	1520.8	2335.8	2743.3	3293.4	4393.3



TEST NUMBER: P935705

CATALOG NUMBER: SQ4-FA-125U-100D-B50-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	953.4	861.9	770.4	861.9	953.4	976.3	1521.3	2248.0	2611.4	3174.3	4300.0
115°	1055.3	970.8	886.4	970.8	1055.3	1076.4	1535.4	2147.3	2453.2	2995.5	4080.0
117.5°	1154.5	1077.7	1001.1	1077.7	1154.5	1173.7	1563.9	2084.2	2344.4	2833.8	3812.6
120°	1212.2	1139.9	1067.7	1139.9	1212.2	1230.3	1587.1	2063.0	2300.9	2748.1	3642.4
122.5°	1278.7	1205.9	1133.0	1205.9	1278.7	1297.0	1620.5	2051.9	2267.6	2670.2	3475.5
125°	1366.0	1299.6	1233.2	1299.6	1366.0	1382.6	1665.5	2042.7	2231.2	2573.3	3257.4
127.5°	1448.5	1381.5	1314.4	1381.5	1448.5	1465.3	1710.4	2037.3	2200.8	2494.4	3081.8
130°	1502.3	1430.1	1357.9	1430.1	1502.3	1520.4	1743.3	2040.6	2189.2	2450.6	2973.6
132.5°	1547.4	1475.1	1402.9	1475.1	1547.4	1565.4	1769.9	2042.7	2179.0	2413.1	2881.2
135°	1601.2	1535.4	1469.6	1535.4	1601.2	1617.6	1799.0	2040.8	2161.6	2357.7	2749.7
137.5°	1668.0	1602.9	1537.8	1602.9	1668.0	1684.3	1842.4	2053.3	2158.8	2324.4	2655.8
140°	1714.3	1654.3	1594.3	1654.3	1714.3	1729.3	1869.0	2055.4	2148.6	2291.7	2577.9
142.5°	1748.8	1693.3	1637.9	1693.3	1748.8	1762.6	1891.3	2062.8	2148.6	2274.3	2525.8
145°	1801.4	1753.0	1704.6	1753.0	1801.4	1813.5	1920.3	2062.8	2134.1	2236.9	2442.6
147.5°	1865.5	1818.4	1771.3	1818.4	1865.5	1877.2	1962.9	2077.0	2134.1	2215.0	2376.8
150°	1900.0	1857.4	1814.9	1857.4	1900.0	1910.7	1985.1	2084.4	2134.1	2202.5	2339.1
152.5°	1924.4	1892.1	1859.9	1892.1	1924.4	1932.4	1999.7	2089.3	2134.1	2192.5	2309.1
155°	1974.3	1950.5	1926.6	1950.5	1974.3	1980.3	2031.5	2099.9	2134.1	2180.5	2273.4
157.5°	2022.4	1999.1	1976.0	1999.1	2022.4	2028.2	2063.5	2110.6	2134.1	2170.1	2242.3
160°	2045.5	2027.3	2009.3	2027.3	2045.5	2049.9	2078.0	2115.4	2134.1	2165.0	2226.9
162.5°	2069.7	2056.2	2042.7	2056.2	2069.7	2073.1	2093.5	2120.6	2134.1	2160.2	2212.5
165°	2103.4	2091.1	2078.9	2091.1	2103.4	2106.5	2115.7	2127.9	2134.1	2152.8	2190.1
167.5°	2123.9	2118.1	2112.3	2118.1	2123.9	2125.3	2133.1	2143.4	2148.6	2160.8	2185.3
170°	2145.7	2139.9	2134.1	2139.9	2145.7	2147.1	2147.5	2148.2	2148.6	2160.8	2185.3
172.5°	2148.3	2147.0	2145.7	2147.0	2148.3	2148.6	2148.6	2148.6	2148.6	2158.3	2177.6
175°	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2157.3	2151.5	2148.6	2167.0
177.5°	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2158.3	2153.7	2151.5	2165.9
180°	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6



TEST NUMBER: P935705  
 CATALOG NUMBER: SQ4-FA-125U-100D-B50-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1
2.5°	3776.2	3765.0	3779.8	3739.1	3779.8	3765.0	3776.2	3802.0	3779.8	3794.7	3809.5
5°	3313.4	3294.9	3235.7	3187.6	3235.7	3294.9	3313.4	3391.2	3428.2	3494.7	3583.7
7.5°	2961.7	2946.9	2932.1	2902.4	2932.1	2946.9	2961.7	2983.8	3020.9	3080.1	3146.8
10°	2883.9	2887.6	2909.9	2906.1	2909.9	2887.6	2883.9	2876.5	2865.4	2876.5	2917.3
12.5°	3083.9	3117.1	3239.3	3231.9	3239.3	3117.1	3083.9	2935.7	2835.8	2817.3	2824.7
15°	3313.4	3324.5	3350.4	3354.1	3350.4	3324.5	3313.4	3254.1	2954.2	2824.7	2784.0
17.5°	3335.6	3339.3	3357.8	3357.8	3357.8	3339.3	3335.6	3309.7	3209.7	3035.7	2806.2
20°	3317.1	3324.5	3361.5	3368.9	3361.5	3324.5	3317.1	3283.8	3228.3	3165.3	2991.3
22.5°	3309.7	3324.5	3354.1	3350.4	3354.1	3324.5	3309.7	3257.9	3209.7	3165.3	3095.0
25°	3272.6	3272.6	3276.4	3280.0	3276.4	3272.6	3272.6	3231.9	3135.7	3124.6	3083.9
27.5°	3194.9	3202.3	3224.5	3220.8	3224.5	3202.3	3194.9	3180.1	3076.4	3065.4	3035.7
30°	3124.6	3117.1	3098.6	3083.9	3098.6	3117.1	3124.6	3102.4	2998.7	2969.1	2976.5
32.5°	3006.1	2987.6	2969.1	2958.0	2969.1	2987.6	3006.1	2998.7	2921.0	2880.3	2887.6
35°	2865.4	2869.2	2865.4	2854.3	2865.4	2869.2	2865.4	2872.8	2824.7	2787.7	2784.0
37.5°	2765.5	2772.9	2769.2	2754.4	2769.2	2772.9	2765.5	2758.1	2691.4	2680.3	2687.8
40°	2661.8	2665.5	2661.8	2650.7	2661.8	2665.5	2661.8	2647.0	2554.5	2558.1	2584.1
42.5°	2561.9	2558.1	2547.0	2539.6	2547.0	2558.1	2561.9	2539.6	2421.2	2410.1	2458.2
45°	2447.1	2450.8	2428.6	2417.5	2428.6	2450.8	2447.1	2432.3	2310.2	2280.5	2313.8
47.5°	2332.3	2332.3	2313.8	2302.7	2313.8	2332.3	2332.3	2313.8	2184.3	2154.6	2173.1
50°	2210.1	2206.5	2180.5	2176.9	2180.5	2206.5	2210.1	2199.0	2062.1	2036.1	2036.1
52.5°	2069.5	2069.5	2073.2	2080.6	2073.2	2069.5	2069.5	2073.2	1951.0	1925.1	1917.7
55°	1947.3	1951.0	1976.9	1984.3	1976.9	1951.0	1947.3	1947.3	1836.2	1810.4	1795.5
57.5°	1821.4	1821.4	1840.0	1840.0	1840.0	1821.4	1821.4	1814.0	1706.7	1684.5	1677.1
60°	1677.1	1684.5	1699.2	1695.6	1699.2	1684.5	1677.1	1669.6	1577.1	1562.3	1536.3
62.5°	1525.2	1532.7	1536.3	1529.0	1536.3	1532.7	1525.2	1503.1	1447.5	1436.4	1403.1
65°	1366.1	1373.4	1377.2	1369.8	1377.2	1373.4	1366.1	1355.0	1314.2	1295.7	1266.1
67.5°	1203.2	1199.4	1195.8	1210.6	1195.8	1199.4	1203.2	1188.4	1162.5	1147.6	1106.9
70°	1036.6	1036.6	1032.9	1040.3	1032.9	1036.6	1036.6	1025.4	1010.7	999.6	962.6
72.5°	858.9	855.2	870.0	858.9	870.0	855.2	858.9	855.2	847.8	836.7	799.7
75°	684.9	692.3	684.9	696.0	684.9	692.3	684.9	688.5	684.9	677.5	651.6
77.5°	522.0	529.4	522.0	522.0	522.0	529.4	522.0	525.7	525.7	525.7	503.5
80°	370.2	366.5	366.5	362.8	366.5	366.5	370.2	370.2	373.9	366.5	359.1
82.5°	237.0	233.2	233.2	240.6	233.2	233.2	237.0	240.6	233.2	233.2	233.2
85°	129.5	133.3	125.9	125.9	125.9	133.3	129.5	122.2	129.5	129.5	125.9
87.5°	48.1	44.5	44.5	44.5	44.5	44.5	48.1	51.8	51.8	51.8	55.6
90°	55.1	55.1	55.1	55.1	55.1	55.1	55.1	73.5	98.0	110.2	94.7
92.5°	275.6	264.7	220.8	177.0	220.8	264.7	275.6	390.7	544.1	620.9	545.2
95°	935.8	902.5	769.7	636.9	769.7	902.5	935.8	1228.8	1619.5	1814.9	1532.8
97.5°	2160.2	2096.9	1844.2	1591.4	1844.2	2096.9	2160.2	2345.4	2592.3	2715.8	2245.4
100°	3033.5	2958.3	2657.1	2356.0	2657.1	2958.3	3033.5	3020.0	3002.0	2992.9	2471.0
102.5°	3779.2	3714.8	3456.8	3199.0	3456.8	3714.8	3779.2	3543.2	3228.6	3071.3	2541.9
105°	4649.6	4615.0	4476.4	4337.8	4476.4	4615.0	4649.6	4120.6	3415.2	3062.5	2549.9
107.5°	5102.3	5110.7	5144.2	5177.7	5144.2	5110.7	5102.3	4364.3	3380.4	2888.5	2436.5
110°	5218.4	5254.5	5398.9	5543.3	5398.9	5254.5	5218.4	4393.3	3293.4	2743.3	2335.8



TEST NUMBER: P935705

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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5144.4	5199.9	5421.6	5643.4	5421.6	5199.9	5144.4	4300.0	3174.3	2611.4	2248.0
115°	4893.4	4970.3	5277.8	5585.4	5277.8	4970.3	4893.4	4080.0	2995.5	2453.2	2147.3
117.5°	4546.6	4631.9	4973.0	5314.1	4973.0	4631.9	4546.6	3812.6	2833.8	2344.4	2084.2
120°	4313.1	4396.0	4727.3	5058.7	4727.3	4396.0	4313.1	3642.4	2748.1	2300.9	2063.0
122.5°	4079.5	4161.3	4488.2	4815.1	4488.2	4161.3	4079.5	3475.5	2670.2	2267.6	2051.9
125°	3770.5	3845.7	4146.9	4448.0	4146.9	3845.7	3770.5	3257.4	2573.3	2231.2	2042.7
127.5°	3522.4	3585.9	3840.0	4094.0	3840.0	3585.9	3522.4	3081.8	2494.4	2200.8	2037.3
130°	3365.8	3424.4	3659.1	3893.8	3659.1	3424.4	3365.8	2973.6	2450.6	2189.2	2040.6
132.5°	3232.3	3284.9	3495.0	3705.2	3495.0	3284.9	3232.3	2881.2	2413.1	2179.0	2042.7
135°	3043.7	3089.0	3270.1	3451.3	3270.1	3089.0	3043.7	2749.7	2357.7	2161.6	2040.8
137.5°	2904.4	2941.4	3089.8	3238.1	3089.8	2941.4	2904.4	2655.8	2324.4	2158.8	2053.3
140°	2792.7	2827.3	2966.0	3104.6	2966.0	2827.3	2792.7	2577.9	2291.7	2148.6	2055.4
142.5°	2714.4	2744.2	2863.5	2982.7	2863.5	2744.2	2714.4	2525.8	2274.3	2148.6	2062.8
145°	2596.8	2619.4	2709.6	2799.9	2709.6	2619.4	2596.8	2442.6	2236.9	2134.1	2062.8
147.5°	2498.2	2516.8	2591.7	2666.5	2591.7	2516.8	2498.2	2376.8	2215.0	2134.1	2077.0
150°	2441.6	2456.7	2517.4	2578.0	2517.4	2456.7	2441.6	2339.1	2202.5	2134.1	2084.4
152.5°	2396.6	2408.1	2453.9	2499.7	2453.9	2408.1	2396.6	2309.1	2192.5	2134.1	2089.3
155°	2342.9	2350.5	2380.9	2411.1	2380.9	2350.5	2342.9	2273.4	2180.5	2134.1	2099.9
157.5°	2296.5	2301.8	2323.1	2344.4	2323.1	2301.8	2296.5	2242.3	2170.1	2134.1	2110.6
160°	2273.4	2276.4	2288.7	2300.9	2288.7	2276.4	2273.4	2226.9	2165.0	2134.1	2115.4
162.5°	2251.6	2254.5	2266.1	2277.7	2266.1	2254.5	2251.6	2212.5	2160.2	2134.1	2120.6
165°	2218.2	2221.2	2233.5	2245.8	2233.5	2221.2	2218.2	2190.1	2152.8	2134.1	2127.9
167.5°	2203.7	2205.0	2210.1	2215.3	2210.1	2205.0	2203.7	2185.3	2160.8	2148.6	2143.4
170°	2203.7	2203.7	2203.7	2203.7	2203.7	2203.7	2203.7	2185.3	2160.8	2148.6	2148.2
172.5°	2192.1	2191.0	2186.4	2181.9	2186.4	2191.0	2192.1	2177.6	2158.3	2148.6	2148.6
175°	2176.1	2176.1	2176.1	2176.1	2176.1	2176.1	2176.1	2167.0	2154.7	2148.6	2151.5
177.5°	2173.2	2171.9	2166.8	2161.6	2166.8	2171.9	2173.2	2165.9	2156.3	2151.5	2153.7
180°	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6



TEST NUMBER: P935705  
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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	3913.1	3913.1	3913.1	3913.1	3913.1
2.5°	3865.0	3883.5	3894.6	3909.4	3946.4
5°	3716.9	3787.3	3809.5	3865.0	3931.7
7.5°	3391.2	3605.9	3665.1	3798.4	3902.0
10°	3076.4	3291.1	3394.8	3709.5	3865.0
12.5°	2917.3	3043.2	3113.5	3554.1	3813.1
15°	2817.3	2906.1	2958.0	3346.7	3753.9
17.5°	2739.5	2802.5	2839.5	3143.1	3672.5
20°	2691.4	2721.0	2754.4	2995.0	3579.9
22.5°	2658.1	2639.6	2665.5	2891.4	3454.0
25°	2635.9	2565.6	2595.2	2809.9	3306.0
27.5°	2654.4	2498.9	2510.0	2735.9	3150.5
30°	2658.1	2417.5	2421.2	2658.1	2976.5
32.5°	2632.2	2332.3	2336.0	2561.9	2780.2
35°	2569.2	2232.4	2228.7	2450.8	2513.8
37.5°	2484.1	2125.0	2125.0	2328.6	2221.2
40°	2380.5	2017.6	2028.7	2169.4	1962.1
42.5°	2254.6	1902.8	1917.7	1958.4	1769.6
45°	2117.6	1791.8	1802.9	1654.9	1621.5
47.5°	1965.8	1677.1	1680.7	1373.4	1573.4
50°	1784.4	1558.6	1543.8	1177.3	1569.7
52.5°	1625.3	1429.0	1384.6	1066.2	1425.3
55°	1469.7	1292.0	1195.8	981.1	1321.6
57.5°	1332.7	1114.4	1021.8	881.1	1299.5
60°	1206.9	940.4	870.0	773.7	1192.1
62.5°	1103.2	810.8	796.0	699.7	1081.0
65°	992.2	721.9	718.2	636.8	918.1
67.5°	884.8	662.7	658.9	577.5	699.7
70°	770.1	599.7	592.3	514.6	518.3
72.5°	651.6	529.4	522.0	462.8	429.5
75°	533.1	447.9	444.2	403.5	348.0
77.5°	418.3	355.4	362.8	325.8	255.4
80°	299.9	259.2	266.6	233.2	192.5
82.5°	199.9	170.3	177.7	148.0	129.5
85°	111.1	96.3	99.9	77.7	59.2
87.5°	51.8	44.5	44.5	29.6	18.5
90°	63.8	40.6	37.7	26.1	14.5
92.5°	393.7	280.0	255.4	156.6	58.0
95°	968.6	545.5	500.3	319.8	139.3
97.5°	1304.7	599.2	559.4	400.0	240.8
100°	1427.1	644.2	608.0	463.6	319.1
102.5°	1483.2	689.1	655.4	520.7	385.9
105°	1524.8	755.9	727.3	613.2	499.0
107.5°	1532.5	854.5	827.9	721.5	615.1
110°	1520.8	909.6	885.6	789.5	693.5



TEST NUMBER: P935705  
 CATALOG NUMBER: SQ4-FA-125U-100D-B50-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1521.3	976.3	953.4	861.9	770.4
115°	1535.4	1076.4	1055.3	970.8	886.4
117.5°	1563.9	1173.7	1154.5	1077.7	1001.1
120°	1587.1	1230.3	1212.2	1139.9	1067.7
122.5°	1620.5	1297.0	1278.7	1205.9	1133.0
125°	1665.5	1382.6	1366.0	1299.6	1233.2
127.5°	1710.4	1465.3	1448.5	1381.5	1314.4
130°	1743.3	1520.4	1502.3	1430.1	1357.9
132.5°	1769.9	1565.4	1547.4	1475.1	1402.9
135°	1799.0	1617.6	1601.2	1535.4	1469.6
137.5°	1842.4	1684.3	1668.0	1602.9	1537.8
140°	1869.0	1729.3	1714.3	1654.3	1594.3
142.5°	1891.3	1762.6	1748.8	1693.3	1637.9
145°	1920.3	1813.5	1801.4	1753.0	1704.6
147.5°	1962.9	1877.2	1865.5	1818.4	1771.3
150°	1985.1	1910.7	1900.0	1857.4	1814.9
152.5°	1999.7	1932.4	1924.4	1892.1	1859.9
155°	2031.5	1980.3	1974.3	1950.5	1926.6
157.5°	2063.5	2028.2	2022.4	1999.1	1976.0
160°	2078.0	2049.9	2045.5	2027.3	2009.3
162.5°	2093.5	2073.1	2069.7	2056.2	2042.7
165°	2115.7	2106.5	2103.4	2091.1	2078.9
167.5°	2133.1	2125.3	2123.9	2118.1	2112.3
170°	2147.5	2147.1	2145.7	2139.9	2134.1
172.5°	2148.6	2148.6	2148.3	2147.0	2145.7
175°	2157.3	2161.6	2161.6	2161.6	2161.6
177.5°	2158.3	2161.6	2161.6	2161.6	2161.6
180°	2161.6	2161.6	2161.6	2161.6	2161.6



TEST NUMBER: P935705  
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**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	12.69	13.48	13.71	14.51	15.90	15.54	16.33	16.56	17.37	18.75
	3H	13.16	13.87	14.19	14.91	16.31	16.89	17.60	17.92	18.64	20.04
	4H	13.35	14.02	14.39	15.07	16.47	17.33	18.01	18.38	19.05	20.46
	6H	13.46	14.08	14.52	15.13	16.55	17.62	18.24	18.68	19.29	20.71
	8H	13.46	14.05	14.52	15.12	16.53	17.70	18.29	18.76	19.35	20.76
	12H	13.43	13.99	14.50	15.05	16.49	17.74	18.30	18.80	19.35	20.79
4H	2H	13.72	14.39	14.77	15.43	16.84	15.94	16.61	16.99	17.66	19.06
	3H	14.74	15.30	15.80	16.37	17.79	17.45	18.01	18.51	19.08	20.50
	4H	15.01	15.53	16.08	16.59	18.03	17.98	18.49	19.04	19.55	20.99
	6H	15.13	15.58	16.21	16.66	18.10	18.34	18.78	19.42	19.87	21.31
	8H	15.14	15.55	16.21	16.63	18.08	18.45	18.86	19.53	19.94	21.39
	12H	15.10	15.47	16.20	16.57	18.02	18.51	18.88	19.60	19.97	21.43
8H	4H	15.46	15.88	16.54	16.95	18.41	18.09	18.51	19.17	19.58	21.04
	6H	15.72	16.06	16.82	17.18	18.63	18.53	18.87	19.63	19.99	21.44
	8H	15.76	16.06	16.87	17.17	18.64	18.69	18.99	19.79	20.09	21.56
	12H	15.75	16.01	16.85	17.11	18.61	18.79	19.05	19.90	20.15	21.66
12H	4H	15.47	15.84	16.56	16.93	18.39	18.06	18.43	19.15	19.52	20.98
	6H	15.78	16.08	16.89	17.18	18.65	18.53	18.83	19.64	19.93	21.40
	8H	15.85	16.11	16.96	17.21	18.72	18.69	18.96	19.80	20.05	21.56