

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: P935579

Luminaire Tested: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-12-3500K

Issue Date: 12/17/2024

**Test Information**

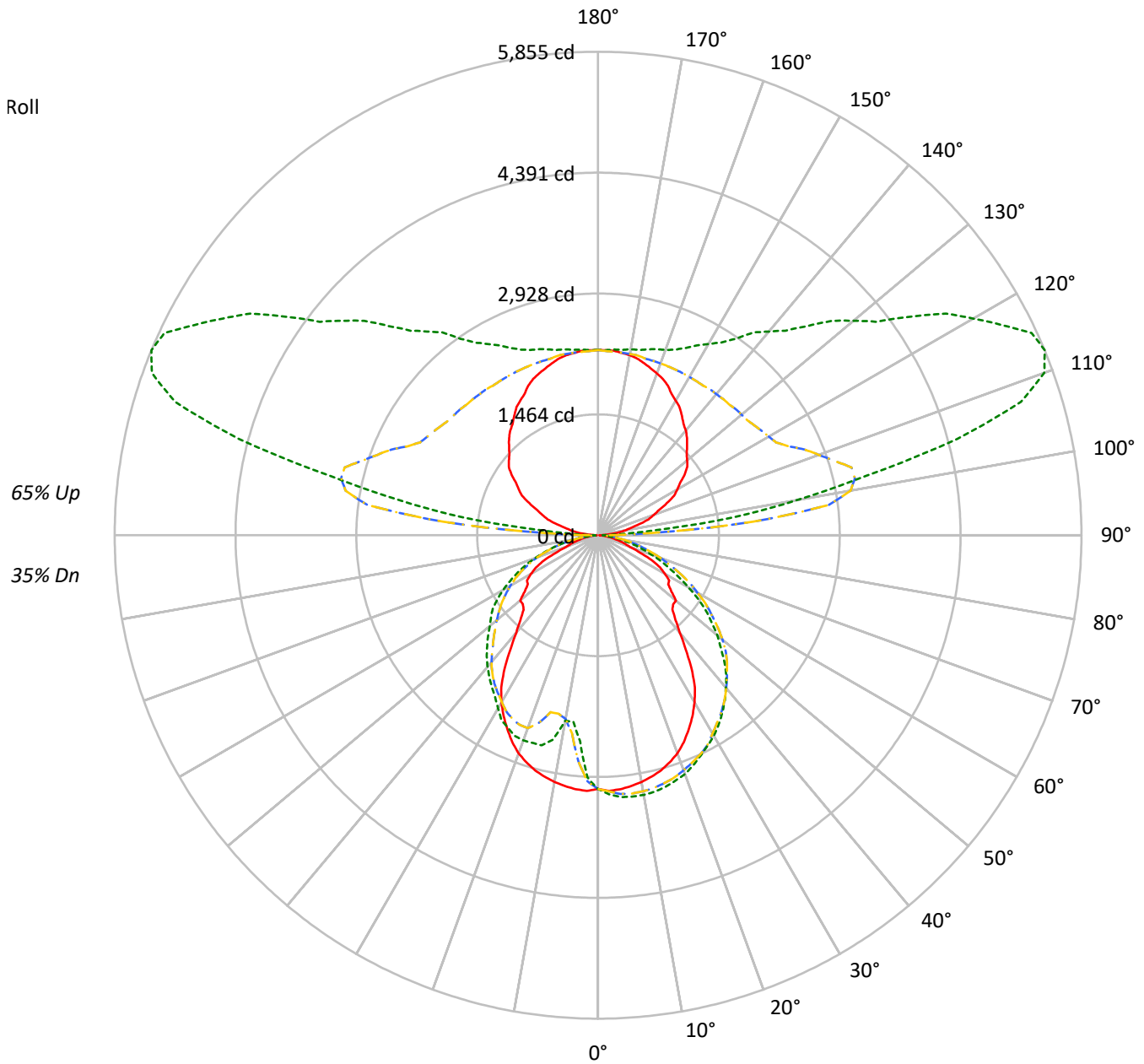
Test Method: LM-79-2019  
Report Number: P935579  
REPORT IS A COMBINATION OF REPORTS P933757 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-12-3500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22513.7 lumens  
Efficiency: N/A  
Efficacy: 135.0 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: Semi-Indirect  
  
Input Watts (W): 166.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	
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	0
RCR																		
0	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35
1	95	90	87	83	85	82	79	76	66	64	62	51	50	49	38	37	36	30
2	86	79	73	68	78	72	66	62	58	54	51	45	43	41	33	32	30	25
3	78	69	62	56	71	63	57	52	51	47	43	40	37	34	29	28	26	21
4	72	61	54	48	65	56	49	44	45	40	36	35	32	29	26	24	22	18
5	66	54	46	41	59	50	43	38	40	35	31	32	28	25	24	21	19	16
6	60	49	41	35	54	44	37	32	36	31	27	29	25	22	21	19	17	14
7	56	44	36	31	50	40	33	28	33	28	24	26	22	19	20	17	15	12
8	52	40	32	27	47	36	30	25	30	25	21	24	20	17	18	15	13	11
9	48	36	29	24	43	33	27	22	27	22	19	22	18	15	16	14	12	10
10	45	33	26	21	41	30	24	20	25	20	17	20	16	14	15	13	11	9

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	9504	9504	9504	9504
5°	9579	9594	9579	7544
10°	9518	9451	9518	6756
15°	9418	9246	9418	7721
20°	9225	9003	9225	7737
25°	8825	8650	8825	7573
30°	8308	8356	8308	7213
35°	7410	7984	7410	6817
40°	6178	7547	6178	6518
45°	5524	7035	5524	6175
50°	5873	6424	5873	5829
55°	5531	5766	5531	5630
60°	5708	4897	5708	5156
65°	5184	4048	5184	4526
70°	3598	3227	3598	3794
75°	3168	2385	3168	2856
80°	2572	1577	2572	1717
85°	1507	835	1507	710

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 8460 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	277.4	1.2
10°-20°	787.5	3.5
20°-30°	1217.4	5.4
30°-40°	1453.3	6.5
40°-50°	1461.8	6.5
50°-60°	1271.9	5.6
60°-70°	901.8	4.0
70°-80°	477.1	2.1
80°-90°	127.4	0.6
90°-100°	1093.2	4.9
100°-110°	2874.0	12.8
110°-120°	2980.0	13.2
120°-130°	2390.3	10.6
130°-140°	1875.6	8.3
140°-150°	1439.6	6.4
150°-160°	1036.7	4.6
160°-170°	634.3	2.8
170°-180°	214.3	1.0
0°-30°	2282.3	10.1
0°-40°	3735.6	16.6
0°-60°	6469.3	28.7
0°-90°	7975.6	35.4
90°-120°	6947.2	30.9
90°-150°	12652.7	56.2
90°-180°	14538.0	64.6
0°-180°	22513.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3073	3073	3073	3073	3073	
5°	3087	3183	3087	2503	3087	293
15°	2948	3154	2948	2634	2948	829
25°	2596	2942	2596	2576	2596	1192
35°	1974	2625	1974	2241	1974	1221
45°	1273	2163	1273	1898	1273	1020
55°	1038	1596	1038	1558	1038	954
65°	721	962	721	1076	721	689
75°	273	456	273	546	273	287
85°	46	116	46	99	46	63
90°	15	57	15	57	15	14
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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8
2.5°	3099.0	3099.0	3116.4	3122.2	3122.2	3113.5	3104.8	3113.5	3139.7	3148.4	3145.5
5°	3087.3	3110.6	3142.6	3148.4	3154.2	3151.3	3145.5	3151.3	3180.4	3186.2	3189.1
7.5°	3064.1	3107.7	3148.4	3157.1	3165.8	3157.1	3154.2	3160.0	3189.1	3194.9	3194.9
10°	3035.0	3096.1	3142.6	3148.4	3157.1	3148.4	3148.4	3160.0	3189.1	3194.9	3197.8
12.5°	2994.3	3078.6	3122.2	3128.0	3139.7	3136.7	3133.8	3145.5	3174.5	3180.4	3180.4
15°	2947.8	3046.6	3087.3	3093.1	3113.5	3107.7	3107.7	3119.3	3151.3	3160.0	3157.1
17.5°	2883.8	3005.9	3052.4	3061.2	3075.7	3072.8	3075.7	3087.3	3116.4	3122.2	3125.1
20°	2811.2	2950.7	3005.9	3014.7	3029.2	3029.2	3029.2	3043.7	3072.8	3084.4	3084.4
22.5°	2712.3	2892.6	2950.7	2956.5	2974.0	2974.0	2979.8	3000.1	3026.3	3029.2	3029.2
25°	2596.0	2828.6	2878.0	2895.5	2912.9	2921.6	2930.4	2942.0	2950.7	2947.8	2950.7
27.5°	2473.9	2747.2	2811.2	2822.8	2846.0	2854.8	2866.4	2869.3	2872.2	2880.9	2875.1
30°	2337.2	2633.8	2729.8	2741.4	2779.2	2785.0	2773.4	2779.2	2793.7	2799.5	2805.4
32.5°	2183.2	2465.1	2645.5	2671.6	2706.5	2689.1	2686.2	2694.9	2718.1	2718.1	2724.0
35°	1973.9	2334.3	2567.0	2590.2	2616.4	2596.0	2607.7	2610.6	2625.1	2633.8	2630.9
37.5°	1744.2	2220.9	2485.5	2502.9	2523.3	2497.1	2514.6	2523.3	2534.9	2529.1	2529.1
40°	1540.7	2043.6	2389.6	2401.2	2418.6	2398.3	2415.7	2421.5	2427.3	2421.5	2418.6
42.5°	1389.5	1848.9	2287.8	2302.3	2290.7	2305.3	2311.1	2322.7	2314.0	2302.3	2302.3
45°	1273.3	1796.5	2177.3	2194.8	2177.3	2200.6	2209.3	2209.3	2183.2	2177.3	2174.4
47.5°	1235.5	1691.9	2066.9	2066.9	2058.2	2087.2	2101.8	2081.4	2055.2	2046.5	2046.5
50°	1232.6	1575.6	1915.7	1904.1	1944.8	1979.7	1965.1	1944.8	1924.4	1892.5	1892.5
52.5°	1119.2	1433.2	1720.9	1764.5	1828.5	1848.9	1825.6	1805.2	1770.4	1755.8	1744.2
55°	1037.8	1284.9	1543.6	1630.8	1697.7	1723.9	1680.2	1659.9	1607.6	1598.8	1593.0
57.5°	1020.4	1069.8	1380.8	1491.3	1572.7	1569.8	1543.6	1505.8	1462.2	1453.5	1450.6
60°	936.1	773.3	1206.4	1337.2	1421.5	1412.8	1389.5	1354.7	1314.0	1308.1	1302.3
62.5°	848.8	561.1	1008.7	1157.0	1276.2	1273.3	1252.9	1200.6	1171.5	1157.0	1145.4
65°	720.9	470.9	718.0	962.2	1133.7	1139.5	1095.9	1058.1	1026.2	1008.7	1005.8
67.5°	549.4	383.7	485.5	802.3	997.1	991.3	936.1	918.6	877.9	869.2	851.8
70°	407.0	255.8	337.2	651.2	863.4	848.8	805.2	784.9	747.1	726.8	715.1
72.5°	337.2	206.4	247.1	505.8	726.8	709.3	671.5	648.3	616.3	598.8	587.2
75°	273.3	218.0	189.0	375.0	590.1	578.5	543.6	520.4	494.2	470.9	473.8
77.5°	200.6	203.5	151.2	276.2	468.0	450.6	430.2	401.2	389.5	366.3	366.3
80°	151.2	159.9	113.4	189.0	337.2	337.2	319.8	299.4	279.1	267.4	267.4
82.5°	101.7	101.7	84.3	119.2	229.7	220.9	209.3	203.5	191.9	186.0	186.0
85°	46.5	58.1	52.3	72.7	125.0	130.8	130.8	125.0	122.1	116.3	119.2
87.5°	14.5	26.2	32.0	40.7	64.0	66.9	69.8	69.8	69.8	72.7	72.7
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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**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



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8
2.5°	3151.3	3142.6	3151.3	3145.5	3148.4	3139.7	3113.5	3104.8	3113.5	3122.2	3122.2
5°	3189.1	3183.3	3189.1	3189.1	3186.2	3180.4	3151.3	3145.5	3151.3	3154.2	3148.4
7.5°	3200.7	3192.0	3200.7	3194.9	3194.9	3189.1	3160.0	3154.2	3157.1	3165.8	3157.1
10°	3200.7	3192.0	3200.7	3197.8	3194.9	3189.1	3160.0	3148.4	3148.4	3157.1	3148.4
12.5°	3186.2	3180.4	3186.2	3180.4	3180.4	3174.5	3145.5	3133.8	3136.7	3139.7	3128.0
15°	3162.9	3154.2	3162.9	3157.1	3160.0	3151.3	3119.3	3107.7	3107.7	3113.5	3093.1
17.5°	3128.0	3116.4	3128.0	3125.1	3122.2	3116.4	3087.3	3075.7	3072.8	3075.7	3061.2
20°	3087.3	3078.6	3087.3	3084.4	3084.4	3072.8	3043.7	3029.2	3029.2	3029.2	3014.7
22.5°	3023.4	3014.7	3023.4	3029.2	3029.2	3026.3	3000.1	2979.8	2974.0	2974.0	2956.5
25°	2950.7	2942.0	2950.7	2950.7	2947.8	2950.7	2942.0	2930.4	2921.6	2912.9	2895.5
27.5°	2880.9	2875.1	2880.9	2875.1	2880.9	2872.2	2869.3	2866.4	2854.8	2846.0	2822.8
30°	2811.2	2805.4	2811.2	2805.4	2799.5	2793.7	2779.2	2773.4	2785.0	2779.2	2741.4
32.5°	2724.0	2718.1	2724.0	2724.0	2718.1	2718.1	2694.9	2686.2	2689.1	2706.5	2671.6
35°	2633.8	2625.1	2633.8	2630.9	2633.8	2625.1	2610.6	2607.7	2596.0	2616.4	2590.2
37.5°	2529.1	2520.4	2529.1	2529.1	2529.1	2534.9	2523.3	2514.6	2497.1	2523.3	2502.9
40°	2421.5	2409.9	2421.5	2418.6	2421.5	2427.3	2421.5	2415.7	2398.3	2418.6	2401.2
42.5°	2299.4	2296.5	2299.4	2302.3	2302.3	2314.0	2322.7	2311.1	2305.3	2290.7	2302.3
45°	2168.6	2162.8	2168.6	2174.4	2177.3	2183.2	2209.3	2209.3	2200.6	2177.3	2194.8
47.5°	2029.1	2014.6	2029.1	2046.5	2046.5	2055.2	2081.4	2101.8	2087.2	2058.2	2066.9
50°	1880.8	1883.7	1880.8	1892.5	1892.5	1924.4	1944.8	1965.1	1979.7	1944.8	1904.1
52.5°	1735.5	1732.6	1735.5	1744.2	1755.8	1770.4	1805.2	1825.6	1848.9	1828.5	1764.5
55°	1590.1	1595.9	1590.1	1593.0	1598.8	1607.6	1659.9	1680.2	1723.9	1697.7	1630.8
57.5°	1444.8	1436.1	1444.8	1450.6	1453.5	1462.2	1505.8	1543.6	1569.8	1572.7	1491.3
60°	1276.2	1264.5	1276.2	1302.3	1308.1	1314.0	1354.7	1389.5	1412.8	1421.5	1337.2
62.5°	1127.9	1107.6	1127.9	1145.4	1157.0	1171.5	1200.6	1252.9	1273.3	1276.2	1157.0
65°	970.9	962.2	970.9	1005.8	1008.7	1026.2	1058.1	1095.9	1139.5	1133.7	962.2
67.5°	828.5	828.5	828.5	851.8	869.2	877.9	918.6	936.1	991.3	997.1	802.3
70°	697.7	694.8	697.7	715.1	726.8	747.1	784.9	805.2	848.8	863.4	651.2
72.5°	572.7	569.8	572.7	587.2	598.8	616.3	648.3	671.5	709.3	726.8	505.8
75°	462.2	456.4	462.2	473.8	470.9	494.2	520.4	543.6	578.5	590.1	375.0
77.5°	354.7	354.7	354.7	366.3	366.3	389.5	401.2	430.2	450.6	468.0	276.2
80°	264.5	261.6	264.5	267.4	267.4	279.1	299.4	319.8	337.2	337.2	189.0
82.5°	186.0	180.2	186.0	186.0	186.0	191.9	203.5	209.3	220.9	229.7	119.2
85°	116.3	116.3	116.3	119.2	116.3	122.1	125.0	130.8	130.8	125.0	72.7
87.5°	75.6	72.7	75.6	72.7	72.7	69.8	69.8	69.8	66.9	64.0	40.7
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: P935579

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**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: P935579

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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8
2.5°	3116.4	3099.0	3099.0	3069.9	3058.3	3049.5	3035.0	2991.4	2979.8	2968.1	2985.6
5°	3142.6	3110.6	3087.3	3035.0	2991.4	2974.0	2918.7	2814.1	2744.3	2692.0	2662.9
7.5°	3148.4	3107.7	3064.1	2982.7	2878.0	2831.5	2662.9	2471.0	2418.6	2372.1	2343.0
10°	3142.6	3096.1	3035.0	2912.9	2665.8	2584.4	2415.7	2290.7	2258.7	2250.0	2258.7
12.5°	3122.2	3078.6	2994.3	2790.8	2444.8	2389.6	2290.7	2218.0	2212.2	2226.8	2305.3
15°	3087.3	3046.6	2947.8	2628.0	2322.7	2282.0	2212.2	2186.1	2218.0	2319.8	2555.3
17.5°	3052.4	3005.9	2883.8	2468.0	2229.7	2200.6	2151.2	2203.5	2383.7	2520.4	2599.0
20°	3005.9	2950.7	2811.2	2351.8	2162.8	2136.6	2113.4	2348.9	2485.5	2534.9	2578.6
22.5°	2950.7	2892.6	2712.3	2270.4	2093.0	2072.7	2087.2	2430.3	2485.5	2520.4	2558.2
25°	2878.0	2828.6	2596.0	2206.4	2037.8	2014.6	2069.8	2421.5	2453.5	2462.2	2537.8
27.5°	2811.2	2747.2	2473.9	2148.3	1970.9	1962.2	2084.3	2383.7	2407.0	2415.7	2497.1
30°	2729.8	2633.8	2337.2	2087.2	1901.2	1898.3	2087.2	2337.2	2331.4	2354.7	2436.1
32.5°	2645.5	2465.1	2183.2	2011.6	1834.3	1831.4	2066.9	2267.5	2261.6	2293.6	2354.7
35°	2567.0	2334.3	1973.9	1924.4	1750.0	1752.9	2017.5	2186.1	2189.0	2218.0	2255.8
37.5°	2485.5	2220.9	1744.2	1828.5	1668.6	1668.6	1950.6	2110.5	2104.7	2113.4	2165.7
40°	2389.6	2043.6	1540.7	1703.5	1593.0	1584.3	1869.2	2029.1	2008.7	2005.8	2078.5
42.5°	2287.8	1848.9	1389.5	1537.8	1505.8	1494.2	1770.4	1930.2	1892.5	1901.2	1994.2
45°	2177.3	1796.5	1273.3	1299.4	1415.7	1407.0	1662.8	1816.9	1790.7	1814.0	1909.9
47.5°	2066.9	1691.9	1235.5	1078.5	1319.8	1316.9	1543.6	1706.4	1691.9	1715.1	1816.9
50°	1915.7	1575.6	1232.6	924.4	1212.2	1223.8	1401.2	1598.8	1598.8	1619.2	1726.8
52.5°	1720.9	1433.2	1119.2	837.2	1087.2	1122.1	1276.2	1505.8	1511.6	1532.0	1627.9
55°	1543.6	1284.9	1037.8	770.4	939.0	1014.5	1154.1	1409.9	1421.5	1441.9	1529.1
57.5°	1380.8	1069.8	1020.4	691.9	802.3	875.0	1046.5	1316.9	1322.7	1340.1	1424.4
60°	1206.4	773.3	936.1	607.6	683.1	738.4	947.7	1206.4	1226.8	1238.4	1311.1
62.5°	1008.7	561.1	848.8	549.4	625.0	636.6	866.3	1101.8	1127.9	1136.6	1180.2
65°	718.0	470.9	720.9	500.0	564.0	566.9	779.1	994.2	1017.4	1032.0	1064.0
67.5°	485.5	383.7	549.4	453.5	517.4	520.4	694.8	869.2	901.2	912.8	933.1
70°	337.2	255.8	407.0	404.1	465.1	470.9	604.7	755.8	784.9	793.6	805.2
72.5°	247.1	206.4	337.2	363.4	409.9	415.7	511.6	627.9	657.0	665.7	671.5
75°	189.0	218.0	273.3	316.9	348.8	351.7	418.6	511.6	532.0	537.8	540.7
77.5°	151.2	203.5	200.6	255.8	284.9	279.1	328.5	395.4	412.8	412.8	412.8
80°	113.4	159.9	151.2	183.1	209.3	203.5	235.5	282.0	287.8	293.6	290.7
82.5°	84.3	101.7	101.7	116.3	139.5	133.7	157.0	183.1	183.1	183.1	189.0
85°	52.3	58.1	46.5	61.0	78.5	75.6	87.2	98.8	101.7	101.7	95.9
87.5°	32.0	26.2	14.5	23.3	34.9	34.9	40.7	43.6	40.7	40.7	40.7
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: P935579

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-12-3500K

**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: P935579  
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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8
2.5°	2965.2	2956.5	2968.1	2936.2	2968.1	2956.5	2965.2	2985.6	2968.1	2979.8	2991.4
5°	2601.9	2587.3	2540.7	2502.9	2540.7	2587.3	2601.9	2662.9	2692.0	2744.3	2814.1
7.5°	2325.6	2314.0	2302.3	2279.1	2302.3	2314.0	2325.6	2343.0	2372.1	2418.6	2471.0
10°	2264.6	2267.5	2284.9	2282.0	2284.9	2267.5	2264.6	2258.7	2250.0	2258.7	2290.7
12.5°	2421.5	2447.7	2543.6	2537.8	2543.6	2447.7	2421.5	2305.3	2226.8	2212.2	2218.0
15°	2601.9	2610.6	2630.9	2633.8	2630.9	2610.6	2601.9	2555.3	2319.8	2218.0	2186.1
17.5°	2619.3	2622.2	2636.7	2636.7	2636.7	2622.2	2619.3	2599.0	2520.4	2383.7	2203.5
20°	2604.8	2610.6	2639.7	2645.5	2639.7	2610.6	2604.8	2578.6	2534.9	2485.5	2348.9
22.5°	2599.0	2610.6	2633.8	2630.9	2633.8	2610.6	2599.0	2558.2	2520.4	2485.5	2430.3
25°	2569.9	2569.9	2572.8	2575.7	2572.8	2569.9	2569.9	2537.8	2462.2	2453.5	2421.5
27.5°	2508.7	2514.6	2532.0	2529.1	2532.0	2514.6	2508.7	2497.1	2415.7	2407.0	2383.7
30°	2453.5	2447.7	2433.2	2421.5	2433.2	2447.7	2453.5	2436.1	2354.7	2331.4	2337.2
32.5°	2360.5	2345.9	2331.4	2322.7	2331.4	2345.9	2360.5	2354.7	2293.6	2261.6	2267.5
35°	2250.0	2252.9	2250.0	2241.3	2250.0	2252.9	2250.0	2255.8	2218.0	2189.0	2186.1
37.5°	2171.5	2177.3	2174.4	2162.8	2174.4	2177.3	2171.5	2165.7	2113.4	2104.7	2110.5
40°	2090.1	2093.0	2090.1	2081.4	2090.1	2093.0	2090.1	2078.5	2005.8	2008.7	2029.1
42.5°	2011.6	2008.7	2000.0	1994.2	2000.0	2008.7	2011.6	1994.2	1901.2	1892.5	1930.2
45°	1921.5	1924.4	1907.0	1898.3	1907.0	1924.4	1921.5	1909.9	1814.0	1790.7	1816.9
47.5°	1831.4	1831.4	1816.9	1808.2	1816.9	1831.4	1831.4	1816.9	1715.1	1691.9	1706.4
50°	1735.5	1732.6	1712.2	1709.3	1712.2	1732.6	1735.5	1726.8	1619.2	1598.8	1598.8
52.5°	1625.0	1625.0	1627.9	1633.7	1627.9	1625.0	1625.0	1627.9	1532.0	1511.6	1505.8
55°	1529.1	1532.0	1552.3	1558.2	1552.3	1532.0	1529.1	1529.1	1441.9	1421.5	1409.9
57.5°	1430.2	1430.2	1444.8	1444.8	1444.8	1430.2	1430.2	1424.4	1340.1	1322.7	1316.9
60°	1316.9	1322.7	1334.3	1331.4	1334.3	1322.7	1316.9	1311.1	1238.4	1226.8	1206.4
62.5°	1197.7	1203.5	1206.4	1200.6	1206.4	1203.5	1197.7	1180.2	1136.6	1127.9	1101.8
65°	1072.7	1078.5	1081.4	1075.6	1081.4	1078.5	1072.7	1064.0	1032.0	1017.4	994.2
67.5°	944.8	941.9	939.0	950.6	939.0	941.9	944.8	933.1	912.8	901.2	869.2
70°	814.0	814.0	811.1	816.9	811.1	814.0	814.0	805.2	793.6	784.9	755.8
72.5°	674.4	671.5	683.1	674.4	683.1	671.5	674.4	671.5	665.7	657.0	627.9
75°	537.8	543.6	537.8	546.5	537.8	543.6	537.8	540.7	537.8	532.0	511.6
77.5°	409.9	415.7	409.9	409.9	409.9	415.7	409.9	412.8	412.8	412.8	395.4
80°	290.7	287.8	287.8	284.9	287.8	287.8	290.7	290.7	293.6	287.8	282.0
82.5°	186.0	183.1	183.1	189.0	183.1	183.1	186.0	189.0	183.1	183.1	183.1
85°	101.7	104.7	98.8	98.8	98.8	104.7	101.7	95.9	101.7	101.7	98.8
87.5°	37.8	34.9	34.9	34.9	34.9	34.9	37.8	40.7	40.7	40.7	43.6
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



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**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



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	3072.8	3072.8	3072.8	3072.8	3072.8
2.5°	3035.0	3049.5	3058.3	3069.9	3099.0
5°	2918.7	2974.0	2991.4	3035.0	3087.3
7.5°	2662.9	2831.5	2878.0	2982.7	3064.1
10°	2415.7	2584.4	2665.8	2912.9	3035.0
12.5°	2290.7	2389.6	2444.8	2790.8	2994.3
15°	2212.2	2282.0	2322.7	2628.0	2947.8
17.5°	2151.2	2200.6	2229.7	2468.0	2883.8
20°	2113.4	2136.6	2162.8	2351.8	2811.2
22.5°	2087.2	2072.7	2093.0	2270.4	2712.3
25°	2069.8	2014.6	2037.8	2206.4	2596.0
27.5°	2084.3	1962.2	1970.9	2148.3	2473.9
30°	2087.2	1898.3	1901.2	2087.2	2337.2
32.5°	2066.9	1831.4	1834.3	2011.6	2183.2
35°	2017.5	1752.9	1750.0	1924.4	1973.9
37.5°	1950.6	1668.6	1668.6	1828.5	1744.2
40°	1869.2	1584.3	1593.0	1703.5	1540.7
42.5°	1770.4	1494.2	1505.8	1537.8	1389.5
45°	1662.8	1407.0	1415.7	1299.4	1273.3
47.5°	1543.6	1316.9	1319.8	1078.5	1235.5
50°	1401.2	1223.8	1212.2	924.4	1232.6
52.5°	1276.2	1122.1	1087.2	837.2	1119.2
55°	1154.1	1014.5	939.0	770.4	1037.8
57.5°	1046.5	875.0	802.3	691.9	1020.4
60°	947.7	738.4	683.1	607.6	936.1
62.5°	866.3	636.6	625.0	549.4	848.8
65°	779.1	566.9	564.0	500.0	720.9
67.5°	694.8	520.4	517.4	453.5	549.4
70°	604.7	470.9	465.1	404.1	407.0
72.5°	511.6	415.7	409.9	363.4	337.2
75°	418.6	351.7	348.8	316.9	273.3
77.5°	328.5	279.1	284.9	255.8	200.6
80°	235.5	203.5	209.3	183.1	151.2
82.5°	157.0	133.7	139.5	116.3	101.7
85°	87.2	75.6	78.5	61.0	46.5
87.5°	40.7	34.9	34.9	23.3	14.5
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: P935579

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-12-3500K

**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: P935579  
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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	11.11	11.86	12.19	12.93	14.40	13.96	14.71	15.04	15.78	17.25
	3H	11.58	12.25	12.66	13.33	14.81	15.31	15.97	16.39	17.06	18.54
	4H	11.77	12.40	12.86	13.48	14.97	15.75	16.38	16.84	17.47	18.96
	6H	11.88	12.46	12.98	13.55	15.05	16.03	16.62	17.14	17.70	19.21
	8H	11.88	12.43	12.98	13.53	15.03	16.11	16.66	17.21	17.77	19.26
	12H	11.84	12.37	12.95	13.47	14.98	16.15	16.67	17.26	17.77	19.29
4H	2H	12.14	12.77	13.24	13.85	15.34	14.36	14.99	15.46	16.07	17.56
	3H	13.15	13.68	14.26	14.79	16.29	15.86	16.39	16.97	17.50	19.00
	4H	13.42	13.91	14.53	15.01	16.53	16.39	16.87	17.50	17.97	19.49
	6H	13.54	13.96	14.66	15.08	16.60	16.75	17.17	17.87	18.29	19.80
	8H	13.54	13.93	14.66	15.05	16.58	16.86	17.24	17.98	18.36	19.89
	12H	13.51	13.86	14.64	14.98	16.52	16.91	17.26	18.05	18.39	19.93
8H	4H	13.87	14.26	14.99	15.37	16.91	16.50	16.89	17.62	18.00	19.54
	6H	14.13	14.45	15.27	15.61	17.13	16.94	17.26	18.08	18.42	19.94
	8H	14.17	14.45	15.32	15.59	17.13	17.09	17.37	18.24	18.51	20.06
	12H	14.15	14.39	15.30	15.53	17.11	17.19	17.44	18.34	18.57	20.15
12H	4H	13.87	14.22	15.01	15.35	16.89	16.46	16.81	17.60	17.94	19.48
	6H	14.19	14.47	15.33	15.61	17.15	16.93	17.21	18.08	18.35	19.90
	8H	14.25	14.50	15.40	15.63	17.21	17.09	17.34	18.24	18.47	20.06