

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: P935528

Luminaire Tested: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

**Test Information**

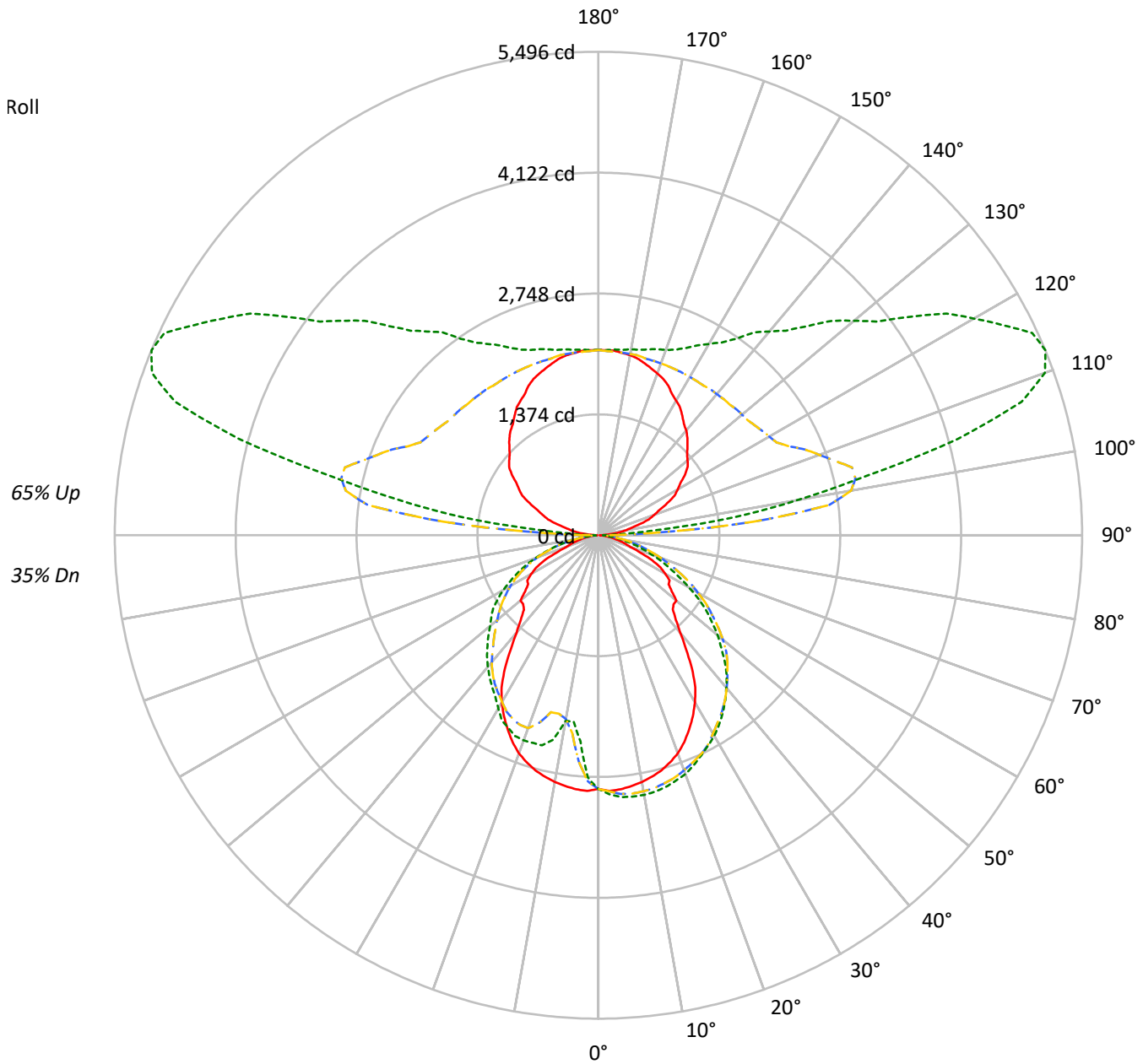
Test Method: LM-79-2019  
Report Number: P935528  
REPORT IS A COMBINATION OF REPORTS P933757 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-12-4000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21134.4 lumens  
Efficiency: N/A  
Efficacy: 126.7 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 (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	
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°	8922	8922	8922	8922
5°	8992	9006	8992	7082
10°	8935	8872	8935	6343
15°	8841	8680	8841	7248
20°	8660	8452	8660	7263
25°	8285	8120	8285	7109
30°	7799	7844	7799	6771
35°	6956	7495	6956	6399
40°	5799	7085	5799	6119
45°	5185	6604	5185	5796
50°	5513	6031	5513	5472
55°	5192	5413	5192	5285
60°	5358	4598	5358	4840
65°	4866	3801	4866	4248
70°	3377	3029	3377	3561
75°	2973	2239	2973	2681
80°	2414	1480	2414	1612
85°	1416	784	1416	666

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 7942 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	260.4	1.2
10°-20°	739.3	3.5
20°-30°	1142.8	5.4
30°-40°	1364.2	6.5
40°-50°	1372.2	6.5
50°-60°	1194.0	5.6
60°-70°	846.6	4.0
70°-80°	447.9	2.1
80°-90°	119.6	0.6
90°-100°	1026.2	4.9
100°-110°	2697.9	12.8
110°-120°	2797.5	13.2
120°-130°	2243.9	10.6
130°-140°	1760.7	8.3
140°-150°	1351.4	6.4
150°-160°	973.2	4.6
160°-170°	595.5	2.8
170°-180°	201.2	1.0
0°-30°	2142.5	10.1
0°-40°	3506.7	16.6
0°-60°	6073.0	28.7
0°-90°	7487.0	35.4
90°-120°	6521.6	30.9
90°-150°	11877.6	56.2
90°-180°	13647.0	64.6
0°-180°	21134.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2884	2884	2884	2884	2884	
5°	2898	2988	2898	2350	2898	275
15°	2767	2961	2767	2472	2767	779
25°	2437	2762	2437	2418	2437	1119
35°	1853	2464	1853	2104	1853	1146
45°	1195	2030	1195	1782	1195	957
55°	974	1498	974	1463	974	895
65°	677	903	677	1010	677	647
75°	256	428	256	513	256	270
85°	44	109	44	93	44	59
90°	14	54	14	54	14	13
95°	136	620	136	620	136	151
105°	486	4225	486	4225	486	515
115°	863	5440	863	5440	863	853
125°	1201	4332	1201	4332	1201	1066
135°	1431	3361	1431	3361	1431	1107
145°	1660	2727	1660	2727	1660	1040
155°	1876	2348	1876	2348	1876	862
165°	2025	2187	2025	2187	2025	571
175°	2105	2119	2105	2119	2105	200
180°	2105	2105	2105	2105	2105	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5
2.5°	2909.1	2909.1	2925.5	2930.9	2930.9	2922.8	2914.6	2922.8	2947.3	2955.5	2952.8
5°	2898.2	2920.0	2950.0	2955.5	2961.0	2958.2	2952.8	2958.2	2985.5	2991.0	2993.7
7.5°	2876.4	2917.3	2955.5	2963.7	2971.9	2963.7	2961.0	2966.4	2993.7	2999.2	2999.2
10°	2849.1	2906.4	2950.0	2955.5	2963.7	2955.5	2955.5	2966.4	2993.7	2999.2	3001.9
12.5°	2810.9	2890.0	2930.9	2936.4	2947.3	2944.6	2941.9	2952.8	2980.1	2985.5	2985.5
15°	2767.2	2860.0	2898.2	2903.7	2922.8	2917.3	2917.3	2928.2	2958.2	2966.4	2963.7
17.5°	2707.2	2821.8	2865.4	2873.6	2887.3	2884.5	2887.3	2898.2	2925.5	2930.9	2933.7
20°	2638.9	2769.9	2821.8	2830.0	2843.6	2843.6	2843.6	2857.3	2884.5	2895.5	2895.5
22.5°	2546.2	2715.4	2769.9	2775.4	2791.8	2791.8	2797.2	2816.3	2840.9	2843.6	2843.6
25°	2437.0	2655.3	2701.7	2718.1	2734.5	2742.6	2750.8	2761.7	2769.9	2767.2	2769.9
27.5°	2322.3	2578.9	2638.9	2649.9	2671.7	2679.9	2690.8	2693.5	2696.3	2704.4	2699.0
30°	2194.0	2472.5	2562.5	2573.5	2608.9	2614.4	2603.5	2608.9	2622.6	2628.0	2633.5
32.5°	2049.4	2314.1	2483.4	2508.0	2540.7	2524.3	2521.6	2529.8	2551.6	2551.6	2557.1
35°	1852.9	2191.3	2409.7	2431.6	2456.1	2437.0	2447.9	2450.7	2464.3	2472.5	2469.8
37.5°	1637.3	2084.9	2333.2	2349.6	2368.7	2344.1	2360.5	2368.7	2379.6	2374.2	2374.2
40°	1446.3	1918.4	2243.2	2254.1	2270.5	2251.4	2267.7	2273.2	2278.6	2273.2	2270.5
42.5°	1304.4	1735.6	2147.7	2161.3	2150.4	2164.0	2169.5	2180.4	2172.2	2161.3	2161.3
45°	1195.3	1686.5	2044.0	2060.3	2044.0	2065.8	2074.0	2074.0	2049.4	2044.0	2041.2
47.5°	1159.8	1588.2	1940.3	1940.3	1932.1	1959.4	1973.0	1953.9	1929.3	1921.2	1921.2
50°	1157.1	1479.1	1798.4	1787.4	1825.6	1858.4	1844.7	1825.6	1806.5	1776.5	1776.5
52.5°	1050.6	1345.4	1615.5	1656.4	1716.5	1735.6	1713.8	1694.7	1661.9	1648.3	1637.3
55°	974.2	1206.2	1449.1	1530.9	1593.7	1618.2	1577.3	1558.2	1509.1	1500.9	1495.4
57.5°	957.8	1004.2	1296.2	1399.9	1476.3	1473.6	1449.1	1413.6	1372.6	1364.5	1361.7
60°	878.7	725.9	1132.5	1255.3	1334.4	1326.3	1304.4	1271.7	1233.5	1228.0	1222.6
62.5°	796.8	526.7	946.9	1086.1	1198.0	1195.3	1176.2	1127.0	1099.8	1086.1	1075.2
65°	676.8	442.1	674.0	903.3	1064.3	1069.7	1028.8	993.3	963.3	946.9	944.2
67.5°	515.8	360.2	455.7	753.2	936.0	930.6	878.7	862.3	824.1	815.9	799.6
70°	382.0	240.1	316.6	611.3	810.5	796.8	755.9	736.8	701.3	682.2	671.3
72.5°	316.6	193.8	232.0	474.8	682.2	665.9	630.4	608.5	578.5	562.2	551.2
75°	256.5	204.7	177.4	352.0	554.0	543.1	510.3	488.5	463.9	442.1	444.8
77.5°	188.3	191.0	141.9	259.2	439.4	423.0	403.9	376.6	365.7	343.8	343.8
80°	141.9	150.1	106.4	177.4	316.6	316.6	300.2	281.1	262.0	251.1	251.1
82.5°	95.5	95.5	79.1	111.9	215.6	207.4	196.5	191.0	180.1	174.7	174.7
85°	43.7	54.6	49.1	68.2	117.3	122.8	122.8	117.3	114.6	109.2	111.9
87.5°	13.6	24.6	30.0	38.2	60.0	62.8	65.5	65.5	65.5	68.2	68.2
90°	14.1	25.4	36.7	39.6	62.1	92.2	107.3	95.4	71.6	53.7	53.7
92.5°	56.5	152.5	248.7	272.7	383.4	531.0	604.7	530.0	380.5	268.4	257.8
95°	135.6	311.5	487.3	531.2	943.3	1492.8	1767.5	1577.2	1196.7	911.4	879.0
97.5°	234.5	389.6	544.8	583.5	1270.7	2186.9	2645.0	2524.7	2284.2	2103.8	2042.2
100°	310.8	451.5	592.2	627.4	1389.8	2406.5	2914.8	2923.7	2941.2	2954.4	2881.1
102.5°	375.9	507.1	638.3	671.1	1444.5	2475.6	2991.2	3144.3	3450.8	3680.7	3617.9
105°	486.0	597.2	708.3	736.2	1485.0	2483.4	2982.6	3326.1	4013.1	4528.4	4494.6
107.5°	599.1	702.7	806.3	832.2	1492.5	2373.0	2813.1	3292.2	4250.5	4969.2	4977.4
110°	675.4	768.9	862.5	885.9	1481.2	2274.9	2671.8	3207.5	4278.8	5082.2	5117.4



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	750.3	839.4	928.6	950.8	1481.6	2189.4	2543.3	3091.5	4187.9	5010.2	5064.2
115°	863.2	945.5	1027.8	1048.4	1495.4	2091.3	2389.3	2917.4	3973.6	4765.8	4840.6
117.5°	974.9	1049.6	1124.4	1143.0	1523.1	2029.9	2283.3	2759.9	3713.1	4428.0	4511.1
120°	1039.9	1110.2	1180.6	1198.2	1545.7	2009.2	2240.9	2676.4	3547.4	4200.6	4281.3
122.5°	1103.5	1174.4	1245.4	1263.1	1578.2	1998.4	2208.4	2600.6	3384.9	3973.1	4052.7
125°	1201.0	1265.7	1330.3	1346.5	1622.1	1989.4	2173.0	2506.1	3172.5	3672.1	3745.4
127.5°	1280.1	1345.4	1410.8	1427.0	1665.8	1984.2	2143.4	2429.4	3001.4	3430.5	3492.4
130°	1322.5	1392.8	1463.2	1480.7	1697.8	1987.4	2132.1	2386.7	2896.0	3278.0	3335.1
132.5°	1366.3	1436.6	1507.0	1524.6	1723.8	1989.4	2122.2	2350.1	2806.0	3148.0	3199.2
135°	1431.3	1495.4	1559.4	1575.4	1752.1	1987.6	2105.3	2296.2	2678.0	2964.3	3008.4
137.5°	1497.7	1561.1	1624.5	1640.3	1794.3	1999.7	2102.4	2263.8	2586.6	2828.6	2864.7
140°	1552.8	1611.1	1669.5	1684.2	1820.3	2001.7	2092.5	2231.9	2510.7	2719.8	2753.6
142.5°	1595.1	1649.2	1703.2	1716.7	1841.9	2009.0	2092.5	2215.0	2459.9	2643.6	2672.6
145°	1660.2	1707.3	1754.4	1766.2	1870.2	2009.0	2078.4	2178.6	2378.9	2529.1	2551.1
147.5°	1725.1	1771.0	1816.8	1828.3	1911.7	2022.9	2078.4	2157.2	2314.8	2433.0	2451.2
150°	1767.5	1809.0	1850.5	1860.8	1933.3	2030.0	2078.4	2145.0	2278.1	2377.9	2392.6
152.5°	1811.4	1842.7	1874.2	1882.0	1947.5	2034.8	2078.4	2135.3	2248.9	2334.1	2345.3
155°	1876.3	1899.6	1922.8	1928.6	1978.6	2045.1	2078.4	2123.6	2214.1	2281.8	2289.2
157.5°	1924.4	1947.0	1969.6	1975.3	2009.7	2055.5	2078.4	2113.5	2183.9	2236.6	2241.8
160°	1956.9	1974.5	1992.1	1996.5	2023.8	2060.2	2078.4	2108.5	2168.8	2214.1	2217.1
162.5°	1989.4	2002.6	2015.8	2019.0	2038.9	2065.2	2078.4	2103.9	2154.7	2192.9	2195.7
165°	2024.7	2036.6	2048.5	2051.5	2060.5	2072.4	2078.4	2096.6	2133.0	2160.3	2163.3
167.5°	2057.2	2062.9	2068.5	2069.9	2077.4	2087.5	2092.5	2104.4	2128.3	2146.2	2147.5
170°	2078.4	2084.1	2089.7	2091.1	2091.5	2092.2	2092.5	2104.4	2128.3	2146.2	2146.2
172.5°	2089.7	2091.0	2092.3	2092.5	2092.5	2092.5	2092.5	2102.0	2120.8	2134.9	2133.8
175°	2105.3	2105.3	2105.3	2105.3	2101.0	2095.3	2092.5	2098.5	2110.4	2119.4	2119.4
177.5°	2105.3	2105.3	2105.3	2105.3	2102.0	2097.5	2095.3	2100.1	2109.4	2116.5	2115.3
180°	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5
2.5°	2958.2	2950.0	2958.2	2952.8	2955.5	2947.3	2922.8	2914.6	2922.8	2930.9	2930.9
5°	2993.7	2988.2	2993.7	2993.7	2991.0	2985.5	2958.2	2952.8	2958.2	2961.0	2955.5
7.5°	3004.6	2996.4	3004.6	2999.2	2999.2	2993.7	2966.4	2961.0	2963.7	2971.9	2963.7
10°	3004.6	2996.4	3004.6	3001.9	2999.2	2993.7	2966.4	2955.5	2955.5	2963.7	2955.5
12.5°	2991.0	2985.5	2991.0	2985.5	2985.5	2980.1	2952.8	2941.9	2944.6	2947.3	2936.4
15°	2969.1	2961.0	2969.1	2963.7	2966.4	2958.2	2928.2	2917.3	2917.3	2922.8	2903.7
17.5°	2936.4	2925.5	2936.4	2933.7	2930.9	2925.5	2898.2	2887.3	2884.5	2887.3	2873.6
20°	2898.2	2890.0	2898.2	2895.5	2895.5	2884.5	2857.3	2843.6	2843.6	2843.6	2830.0
22.5°	2838.2	2830.0	2838.2	2843.6	2843.6	2840.9	2816.3	2797.2	2791.8	2791.8	2775.4
25°	2769.9	2761.7	2769.9	2769.9	2767.2	2769.9	2761.7	2750.8	2742.6	2734.5	2718.1
27.5°	2704.4	2699.0	2704.4	2699.0	2704.4	2696.3	2693.5	2690.8	2679.9	2671.7	2649.9
30°	2638.9	2633.5	2638.9	2633.5	2628.0	2622.6	2608.9	2603.5	2614.4	2608.9	2573.5
32.5°	2557.1	2551.6	2557.1	2557.1	2551.6	2551.6	2529.8	2521.6	2524.3	2540.7	2508.0
35°	2472.5	2464.3	2472.5	2469.8	2472.5	2464.3	2450.7	2447.9	2437.0	2456.1	2431.6
37.5°	2374.2	2366.0	2374.2	2374.2	2374.2	2379.6	2368.7	2360.5	2344.1	2368.7	2349.6
40°	2273.2	2262.3	2273.2	2270.5	2273.2	2278.6	2273.2	2267.7	2251.4	2270.5	2254.1
42.5°	2158.6	2155.8	2158.6	2161.3	2161.3	2172.2	2180.4	2169.5	2164.0	2150.4	2161.3
45°	2035.8	2030.3	2035.8	2041.2	2044.0	2049.4	2074.0	2074.0	2065.8	2044.0	2060.3
47.5°	1904.8	1891.1	1904.8	1921.2	1921.2	1929.3	1953.9	1973.0	1959.4	1932.1	1940.3
50°	1765.6	1768.3	1765.6	1776.5	1776.5	1806.5	1825.6	1844.7	1858.4	1825.6	1787.4
52.5°	1629.2	1626.4	1629.2	1637.3	1648.3	1661.9	1694.7	1713.8	1735.6	1716.5	1656.4
55°	1492.7	1498.2	1492.7	1495.4	1500.9	1509.1	1558.2	1577.3	1618.2	1593.7	1530.9
57.5°	1356.3	1348.1	1356.3	1361.7	1364.5	1372.6	1413.6	1449.1	1473.6	1476.3	1399.9
60°	1198.0	1187.1	1198.0	1222.6	1228.0	1233.5	1271.7	1304.4	1326.3	1334.4	1255.3
62.5°	1058.8	1039.7	1058.8	1075.2	1086.1	1099.8	1127.0	1176.2	1195.3	1198.0	1086.1
65°	911.5	903.3	911.5	944.2	946.9	963.3	993.3	1028.8	1069.7	1064.3	903.3
67.5°	777.7	777.7	777.7	799.6	815.9	824.1	862.3	878.7	930.6	936.0	753.2
70°	654.9	652.2	654.9	671.3	682.2	701.3	736.8	755.9	796.8	810.5	611.3
72.5°	537.6	534.9	537.6	551.2	562.2	578.5	608.5	630.4	665.9	682.2	474.8
75°	433.9	428.4	433.9	444.8	442.1	463.9	488.5	510.3	543.1	554.0	352.0
77.5°	332.9	332.9	332.9	343.8	343.8	365.7	376.6	403.9	423.0	439.4	259.2
80°	248.3	245.6	248.3	251.1	251.1	262.0	281.1	300.2	316.6	316.6	177.4
82.5°	174.7	169.2	174.7	174.7	174.7	180.1	191.0	196.5	207.4	215.6	111.9
85°	109.2	109.2	109.2	111.9	109.2	114.6	117.3	122.8	122.8	117.3	68.2
87.5°	71.0	68.2	71.0	68.2	68.2	65.5	65.5	65.5	62.8	60.0	38.2
90°	53.7	53.7	53.7	53.7	53.7	71.6	95.4	107.3	92.2	62.1	39.6
92.5°	215.0	172.4	215.0	257.8	268.4	380.5	530.0	604.7	531.0	383.4	272.7
95°	749.6	620.3	749.6	879.0	911.4	1196.7	1577.2	1767.5	1492.8	943.3	531.2
97.5°	1796.1	1549.9	1796.1	2042.2	2103.8	2284.2	2524.7	2645.0	2186.9	1270.7	583.5
100°	2587.8	2294.6	2587.8	2881.1	2954.4	2941.2	2923.7	2914.8	2406.5	1389.8	627.4
102.5°	3366.7	3115.5	3366.7	3617.9	3680.7	3450.8	3144.3	2991.2	2475.6	1444.5	671.1
105°	4359.6	4224.6	4359.6	4494.6	4528.4	4013.1	3326.1	2982.6	2483.4	1485.0	736.2
107.5°	5010.0	5042.7	5010.0	4977.4	4969.2	4250.5	3292.2	2813.1	2373.0	1492.5	832.2
110°	5258.1	5398.7	5258.1	5117.4	5082.2	4278.8	3207.5	2671.8	2274.9	1481.2	885.9





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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5280.2	5496.2	5280.2	5064.2	5010.2	4187.9	3091.5	2543.3	2189.4	1481.6	950.8
115°	5140.2	5439.7	5140.2	4840.6	4765.8	3973.6	2917.4	2389.3	2091.3	1495.4	1048.4
117.5°	4843.3	5175.5	4843.3	4511.1	4428.0	3713.1	2759.9	2283.3	2029.9	1523.1	1143.0
120°	4604.0	4926.8	4604.0	4281.3	4200.6	3547.4	2676.4	2240.9	2009.2	1545.7	1198.2
122.5°	4371.1	4689.5	4371.1	4052.7	3973.1	3384.9	2600.6	2208.4	1998.4	1578.2	1263.1
125°	4038.7	4332.0	4038.7	3745.4	3672.1	3172.5	2506.1	2173.0	1989.4	1622.1	1346.5
127.5°	3739.8	3987.2	3739.8	3492.4	3430.5	3001.4	2429.4	2143.4	1984.2	1665.8	1427.0
130°	3563.7	3792.3	3563.7	3335.1	3278.0	2896.0	2386.7	2132.1	1987.4	1697.8	1480.7
132.5°	3403.9	3608.5	3403.9	3199.2	3148.0	2806.0	2350.1	2122.2	1989.4	1723.8	1524.6
135°	3184.8	3361.3	3184.8	3008.4	2964.3	2678.0	2296.2	2105.3	1987.6	1752.1	1575.4
137.5°	3009.2	3153.6	3009.2	2864.7	2828.6	2586.6	2263.8	2102.4	1999.7	1794.3	1640.3
140°	2888.6	3023.6	2888.6	2753.6	2719.8	2510.7	2231.9	2092.5	2001.7	1820.3	1684.2
142.5°	2788.8	2904.9	2788.8	2672.6	2643.6	2459.9	2215.0	2092.5	2009.0	1841.9	1716.7
145°	2638.9	2726.9	2638.9	2551.1	2529.1	2378.9	2178.6	2078.4	2009.0	1870.2	1766.2
147.5°	2524.1	2596.9	2524.1	2451.2	2433.0	2314.8	2157.2	2078.4	2022.9	1911.7	1828.3
150°	2451.7	2510.8	2451.7	2392.6	2377.9	2278.1	2145.0	2078.4	2030.0	1933.3	1860.8
152.5°	2389.9	2434.5	2389.9	2345.3	2334.1	2248.9	2135.3	2078.4	2034.8	1947.5	1882.0
155°	2318.8	2348.2	2318.8	2289.2	2281.8	2214.1	2123.6	2078.4	2045.1	1978.6	1928.6
157.5°	2262.5	2283.3	2262.5	2241.8	2236.6	2183.9	2113.5	2078.4	2055.5	2009.7	1975.3
160°	2229.0	2240.9	2229.0	2217.1	2214.1	2168.8	2108.5	2078.4	2060.2	2023.8	1996.5
162.5°	2207.0	2218.2	2207.0	2195.7	2192.9	2154.7	2103.9	2078.4	2065.2	2038.9	2019.0
165°	2175.2	2187.2	2175.2	2163.3	2160.3	2133.0	2096.6	2078.4	2072.4	2060.5	2051.5
167.5°	2152.5	2157.5	2152.5	2147.5	2146.2	2128.3	2104.4	2092.5	2087.5	2077.4	2069.9
170°	2146.2	2146.2	2146.2	2146.2	2146.2	2128.3	2104.4	2092.5	2092.2	2091.5	2091.1
172.5°	2129.4	2125.0	2129.4	2133.8	2134.9	2120.8	2102.0	2092.5	2092.5	2092.5	2092.5
175°	2119.4	2119.4	2119.4	2119.4	2119.4	2110.4	2098.5	2092.5	2095.3	2101.0	2105.3
177.5°	2110.3	2105.3	2110.3	2115.3	2116.5	2109.4	2100.1	2095.3	2097.5	2102.0	2105.3
180°	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3



TEST NUMBER: P935528

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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5
2.5°	2925.5	2909.1	2909.1	2881.8	2870.9	2862.7	2849.1	2808.1	2797.2	2786.3	2802.7
5°	2950.0	2920.0	2898.2	2849.1	2808.1	2791.8	2739.9	2641.7	2576.2	2527.1	2499.8
7.5°	2955.5	2917.3	2876.4	2800.0	2701.7	2658.1	2499.8	2319.6	2270.5	2226.8	2199.5
10°	2950.0	2906.4	2849.1	2734.5	2502.5	2426.1	2267.7	2150.4	2120.4	2112.2	2120.4
12.5°	2930.9	2890.0	2810.9	2619.8	2295.0	2243.2	2150.4	2082.2	2076.7	2090.3	2164.0
15°	2898.2	2860.0	2767.2	2467.0	2180.4	2142.2	2076.7	2052.1	2082.2	2177.7	2398.7
17.5°	2865.4	2821.8	2707.2	2316.8	2093.1	2065.8	2019.4	2068.5	2237.7	2366.0	2439.7
20°	2821.8	2769.9	2638.9	2207.7	2030.3	2005.7	1983.9	2205.0	2333.2	2379.6	2420.6
22.5°	2769.9	2715.4	2546.2	2131.3	1964.8	1945.7	1959.4	2281.4	2333.2	2366.0	2401.4
25°	2701.7	2655.3	2437.0	2071.2	1913.0	1891.1	1943.0	2273.2	2303.2	2311.4	2382.3
27.5°	2638.9	2578.9	2322.3	2016.7	1850.2	1842.0	1956.6	2237.7	2259.5	2267.7	2344.1
30°	2562.5	2472.5	2194.0	1959.4	1784.7	1782.0	1959.4	2194.0	2188.6	2210.4	2286.8
32.5°	2483.4	2314.1	2049.4	1888.4	1721.9	1719.2	1940.3	2128.6	2123.1	2153.1	2210.4
35°	2409.7	2191.3	1852.9	1806.5	1642.8	1645.5	1893.9	2052.1	2054.9	2082.2	2117.6
37.5°	2333.2	2084.9	1637.3	1716.5	1566.4	1566.4	1831.1	1981.2	1975.7	1983.9	2033.0
40°	2243.2	1918.4	1446.3	1599.1	1495.4	1487.3	1754.7	1904.8	1885.7	1882.9	1951.2
42.5°	2147.7	1735.6	1304.4	1443.6	1413.6	1402.7	1661.9	1812.0	1776.5	1784.7	1872.0
45°	2044.0	1686.5	1195.3	1219.8	1329.0	1320.8	1560.9	1705.6	1681.0	1702.8	1792.9
47.5°	1940.3	1588.2	1159.8	1012.4	1238.9	1236.2	1449.1	1601.9	1588.2	1610.1	1705.6
50°	1798.4	1479.1	1157.1	867.8	1138.0	1148.9	1315.3	1500.9	1500.9	1520.0	1621.0
52.5°	1615.5	1345.4	1050.6	785.9	1020.6	1053.4	1198.0	1413.6	1419.0	1438.1	1528.2
55°	1449.1	1206.2	974.2	723.2	881.4	952.4	1083.4	1323.5	1334.4	1353.5	1435.4
57.5°	1296.2	1004.2	957.8	649.5	753.2	821.4	982.4	1236.2	1241.7	1258.0	1337.2
60°	1132.5	725.9	878.7	570.3	641.3	693.1	889.6	1132.5	1151.6	1162.5	1230.7
62.5°	946.9	526.7	796.8	515.8	586.7	597.6	813.2	1034.3	1058.8	1067.0	1107.9
65°	674.0	442.1	676.8	469.4	529.4	532.1	731.3	933.3	955.1	968.8	998.8
67.5°	455.7	360.2	515.8	425.7	485.7	488.5	652.2	815.9	846.0	856.9	876.0
70°	316.6	240.1	382.0	379.3	436.6	442.1	567.6	709.5	736.8	745.0	755.9
72.5°	232.0	193.8	316.6	341.1	384.8	390.2	480.3	589.4	616.7	624.9	630.4
75°	177.4	204.7	256.5	297.5	327.5	330.2	393.0	480.3	499.4	504.8	507.6
77.5°	141.9	191.0	188.3	240.1	267.4	262.0	308.4	371.1	387.5	387.5	387.5
80°	106.4	150.1	141.9	171.9	196.5	191.0	221.0	264.7	270.2	275.6	272.9
82.5°	79.1	95.5	95.5	109.2	131.0	125.5	147.4	171.9	171.9	171.9	177.4
85°	49.1	54.6	43.7	57.3	73.7	71.0	81.9	92.8	95.5	95.5	90.1
87.5°	30.0	24.6	13.6	21.8	32.7	32.7	38.2	40.9	38.2	38.2	38.2
90°	36.7	25.4	14.1	25.4	36.7	39.6	62.1	92.2	107.3	95.4	71.6
92.5°	248.7	152.5	56.5	152.5	248.7	272.7	383.4	531.0	604.7	530.0	380.5
95°	487.3	311.5	135.6	311.5	487.3	531.2	943.3	1492.8	1767.5	1577.2	1196.7
97.5°	544.8	389.6	234.5	389.6	544.8	583.5	1270.7	2186.9	2645.0	2524.7	2284.2
100°	592.2	451.5	310.8	451.5	592.2	627.4	1389.8	2406.5	2914.8	2923.7	2941.2
102.5°	638.3	507.1	375.9	507.1	638.3	671.1	1444.5	2475.6	2991.2	3144.3	3450.8
105°	708.3	597.2	486.0	597.2	708.3	736.2	1485.0	2483.4	2982.6	3326.1	4013.1
107.5°	806.3	702.7	599.1	702.7	806.3	832.2	1492.5	2373.0	2813.1	3292.2	4250.5
110°	862.5	768.9	675.4	768.9	862.5	885.9	1481.2	2274.9	2671.8	3207.5	4278.8



TEST NUMBER: P935528

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	928.6	839.4	750.3	839.4	928.6	950.8	1481.6	2189.4	2543.3	3091.5	4187.9
115°	1027.8	945.5	863.2	945.5	1027.8	1048.4	1495.4	2091.3	2389.3	2917.4	3973.6
117.5°	1124.4	1049.6	974.9	1049.6	1124.4	1143.0	1523.1	2029.9	2283.3	2759.9	3713.1
120°	1180.6	1110.2	1039.9	1110.2	1180.6	1198.2	1545.7	2009.2	2240.9	2676.4	3547.4
122.5°	1245.4	1174.4	1103.5	1174.4	1245.4	1263.1	1578.2	1998.4	2208.4	2600.6	3384.9
125°	1330.3	1265.7	1201.0	1265.7	1330.3	1346.5	1622.1	1989.4	2173.0	2506.1	3172.5
127.5°	1410.8	1345.4	1280.1	1345.4	1410.8	1427.0	1665.8	1984.2	2143.4	2429.4	3001.4
130°	1463.2	1392.8	1322.5	1392.8	1463.2	1480.7	1697.8	1987.4	2132.1	2386.7	2896.0
132.5°	1507.0	1436.6	1366.3	1436.6	1507.0	1524.6	1723.8	1989.4	2122.2	2350.1	2806.0
135°	1559.4	1495.4	1431.3	1495.4	1559.4	1575.4	1752.1	1987.6	2105.3	2296.2	2678.0
137.5°	1624.5	1561.1	1497.7	1561.1	1624.5	1640.3	1794.3	1999.7	2102.4	2263.8	2586.6
140°	1669.5	1611.1	1552.8	1611.1	1669.5	1684.2	1820.3	2001.7	2092.5	2231.9	2510.7
142.5°	1703.2	1649.2	1595.1	1649.2	1703.2	1716.7	1841.9	2009.0	2092.5	2215.0	2459.9
145°	1754.4	1707.3	1660.2	1707.3	1754.4	1766.2	1870.2	2009.0	2078.4	2178.6	2378.9
147.5°	1816.8	1771.0	1725.1	1771.0	1816.8	1828.3	1911.7	2022.9	2078.4	2157.2	2314.8
150°	1850.5	1809.0	1767.5	1809.0	1850.5	1860.8	1933.3	2030.0	2078.4	2145.0	2278.1
152.5°	1874.2	1842.7	1811.4	1842.7	1874.2	1882.0	1947.5	2034.8	2078.4	2135.3	2248.9
155°	1922.8	1899.6	1876.3	1899.6	1922.8	1928.6	1978.6	2045.1	2078.4	2123.6	2214.1
157.5°	1969.6	1947.0	1924.4	1947.0	1969.6	1975.3	2009.7	2055.5	2078.4	2113.5	2183.9
160°	1992.1	1974.5	1956.9	1974.5	1992.1	1996.5	2023.8	2060.2	2078.4	2108.5	2168.8
162.5°	2015.8	2002.6	1989.4	2002.6	2015.8	2019.0	2038.9	2065.2	2078.4	2103.9	2154.7
165°	2048.5	2036.6	2024.7	2036.6	2048.5	2051.5	2060.5	2072.4	2078.4	2096.6	2133.0
167.5°	2068.5	2062.9	2057.2	2062.9	2068.5	2069.9	2077.4	2087.5	2092.5	2104.4	2128.3
170°	2089.7	2084.1	2078.4	2084.1	2089.7	2091.1	2091.5	2092.2	2092.5	2104.4	2128.3
172.5°	2092.3	2091.0	2089.7	2091.0	2092.3	2092.5	2092.5	2092.5	2092.5	2102.0	2120.8
175°	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2101.0	2095.3	2092.5	2098.5	2110.4
177.5°	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2102.0	2097.5	2095.3	2100.1	2109.4
180°	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3



TEST NUMBER: P935528  
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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5
2.5°	2783.6	2775.4	2786.3	2756.3	2786.3	2775.4	2783.6	2802.7	2786.3	2797.2	2808.1
5°	2442.5	2428.8	2385.1	2349.6	2385.1	2428.8	2442.5	2499.8	2527.1	2576.2	2641.7
7.5°	2183.1	2172.2	2161.3	2139.5	2161.3	2172.2	2183.1	2199.5	2226.8	2270.5	2319.6
10°	2125.8	2128.6	2144.9	2142.2	2144.9	2128.6	2125.8	2120.4	2112.2	2120.4	2150.4
12.5°	2273.2	2297.7	2387.8	2382.3	2387.8	2297.7	2273.2	2164.0	2090.3	2076.7	2082.2
15°	2442.5	2450.7	2469.8	2472.5	2469.8	2450.7	2442.5	2398.7	2177.7	2082.2	2052.1
17.5°	2458.8	2461.6	2475.2	2475.2	2475.2	2461.6	2458.8	2439.7	2366.0	2237.7	2068.5
20°	2445.2	2450.7	2477.9	2483.4	2477.9	2450.7	2445.2	2420.6	2379.6	2333.2	2205.0
22.5°	2439.7	2450.7	2472.5	2469.8	2472.5	2450.7	2439.7	2401.4	2366.0	2333.2	2281.4
25°	2412.4	2412.4	2415.2	2417.9	2415.2	2412.4	2412.4	2382.3	2311.4	2303.2	2273.2
27.5°	2355.1	2360.5	2376.9	2374.2	2376.9	2360.5	2355.1	2344.1	2267.7	2259.5	2237.7
30°	2303.2	2297.7	2284.1	2273.2	2284.1	2297.7	2303.2	2286.8	2210.4	2188.6	2194.0
32.5°	2215.9	2202.2	2188.6	2180.4	2188.6	2202.2	2215.9	2210.4	2153.1	2123.1	2128.6
35°	2112.2	2114.9	2112.2	2104.0	2112.2	2114.9	2112.2	2117.6	2082.2	2054.9	2052.1
37.5°	2038.5	2044.0	2041.2	2030.3	2041.2	2044.0	2038.5	2033.0	1983.9	1975.7	1981.2
40°	1962.1	1964.8	1962.1	1953.9	1962.1	1964.8	1962.1	1951.2	1882.9	1885.7	1904.8
42.5°	1888.4	1885.7	1877.5	1872.0	1877.5	1885.7	1888.4	1872.0	1784.7	1776.5	1812.0
45°	1803.8	1806.5	1790.2	1782.0	1790.2	1806.5	1803.8	1792.9	1702.8	1681.0	1705.6
47.5°	1719.2	1719.2	1705.6	1697.4	1705.6	1719.2	1719.2	1705.6	1610.1	1588.2	1601.9
50°	1629.2	1626.4	1607.3	1604.6	1607.3	1626.4	1629.2	1621.0	1520.0	1500.9	1500.9
52.5°	1525.5	1525.5	1528.2	1533.6	1528.2	1525.5	1525.5	1528.2	1438.1	1419.0	1413.6
55°	1435.4	1438.1	1457.2	1462.7	1457.2	1438.1	1435.4	1435.4	1353.5	1334.4	1323.5
57.5°	1342.6	1342.6	1356.3	1356.3	1356.3	1342.6	1342.6	1337.2	1258.0	1241.7	1236.2
60°	1236.2	1241.7	1252.6	1249.8	1252.6	1241.7	1236.2	1230.7	1162.5	1151.6	1132.5
62.5°	1124.3	1129.8	1132.5	1127.0	1132.5	1129.8	1124.3	1107.9	1067.0	1058.8	1034.3
65°	1007.0	1012.4	1015.2	1009.7	1015.2	1012.4	1007.0	998.8	968.8	955.1	933.3
67.5°	886.9	884.2	881.4	892.4	881.4	884.2	886.9	876.0	856.9	846.0	815.9
70°	764.1	764.1	761.4	766.8	761.4	764.1	764.1	755.9	745.0	736.8	709.5
72.5°	633.1	630.4	641.3	633.1	641.3	630.4	633.1	630.4	624.9	616.7	589.4
75°	504.8	510.3	504.8	513.0	504.8	510.3	504.8	507.6	504.8	499.4	480.3
77.5°	384.8	390.2	384.8	384.8	384.8	390.2	384.8	387.5	387.5	387.5	371.1
80°	272.9	270.2	270.2	267.4	270.2	270.2	272.9	272.9	275.6	270.2	264.7
82.5°	174.7	171.9	171.9	177.4	171.9	171.9	174.7	177.4	171.9	171.9	171.9
85°	95.5	98.2	92.8	92.8	92.8	98.2	95.5	90.1	95.5	95.5	92.8
87.5°	35.5	32.7	32.7	32.7	32.7	32.7	35.5	38.2	38.2	38.2	40.9
90°	53.7	53.7	53.7	53.7	53.7	53.7	53.7	71.6	95.4	107.3	92.2
92.5°	268.4	257.8	215.0	172.4	215.0	257.8	268.4	380.5	530.0	604.7	531.0
95°	911.4	879.0	749.6	620.3	749.6	879.0	911.4	1196.7	1577.2	1767.5	1492.8
97.5°	2103.8	2042.2	1796.1	1549.9	1796.1	2042.2	2103.8	2284.2	2524.7	2645.0	2186.9
100°	2954.4	2881.1	2587.8	2294.6	2587.8	2881.1	2954.4	2941.2	2923.7	2914.8	2406.5
102.5°	3680.7	3617.9	3366.7	3115.5	3366.7	3617.9	3680.7	3450.8	3144.3	2991.2	2475.6
105°	4528.4	4494.6	4359.6	4224.6	4359.6	4494.6	4528.4	4013.1	3326.1	2982.6	2483.4
107.5°	4969.2	4977.4	5010.0	5042.7	5010.0	4977.4	4969.2	4250.5	3292.2	2813.1	2373.0
110°	5082.2	5117.4	5258.1	5398.7	5258.1	5117.4	5082.2	4278.8	3207.5	2671.8	2274.9



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5010.2	5064.2	5280.2	5496.2	5280.2	5064.2	5010.2	4187.9	3091.5	2543.3	2189.4
115°	4765.8	4840.6	5140.2	5439.7	5140.2	4840.6	4765.8	3973.6	2917.4	2389.3	2091.3
117.5°	4428.0	4511.1	4843.3	5175.5	4843.3	4511.1	4428.0	3713.1	2759.9	2283.3	2029.9
120°	4200.6	4281.3	4604.0	4926.8	4604.0	4281.3	4200.6	3547.4	2676.4	2240.9	2009.2
122.5°	3973.1	4052.7	4371.1	4689.5	4371.1	4052.7	3973.1	3384.9	2600.6	2208.4	1998.4
125°	3672.1	3745.4	4038.7	4332.0	4038.7	3745.4	3672.1	3172.5	2506.1	2173.0	1989.4
127.5°	3430.5	3492.4	3739.8	3987.2	3739.8	3492.4	3430.5	3001.4	2429.4	2143.4	1984.2
130°	3278.0	3335.1	3563.7	3792.3	3563.7	3335.1	3278.0	2896.0	2386.7	2132.1	1987.4
132.5°	3148.0	3199.2	3403.9	3608.5	3403.9	3199.2	3148.0	2806.0	2350.1	2122.2	1989.4
135°	2964.3	3008.4	3184.8	3361.3	3184.8	3008.4	2964.3	2678.0	2296.2	2105.3	1987.6
137.5°	2828.6	2864.7	3009.2	3153.6	3009.2	2864.7	2828.6	2586.6	2263.8	2102.4	1999.7
140°	2719.8	2753.6	2888.6	3023.6	2888.6	2753.6	2719.8	2510.7	2231.9	2092.5	2001.7
142.5°	2643.6	2672.6	2788.8	2904.9	2788.8	2672.6	2643.6	2459.9	2215.0	2092.5	2009.0
145°	2529.1	2551.1	2638.9	2726.9	2638.9	2551.1	2529.1	2378.9	2178.6	2078.4	2009.0
147.5°	2433.0	2451.2	2524.1	2596.9	2524.1	2451.2	2433.0	2314.8	2157.2	2078.4	2022.9
150°	2377.9	2392.6	2451.7	2510.8	2451.7	2392.6	2377.9	2278.1	2145.0	2078.4	2030.0
152.5°	2334.1	2345.3	2389.9	2434.5	2389.9	2345.3	2334.1	2248.9	2135.3	2078.4	2034.8
155°	2281.8	2289.2	2318.8	2348.2	2318.8	2289.2	2281.8	2214.1	2123.6	2078.4	2045.1
157.5°	2236.6	2241.8	2262.5	2283.3	2262.5	2241.8	2236.6	2183.9	2113.5	2078.4	2055.5
160°	2214.1	2217.1	2229.0	2240.9	2229.0	2217.1	2214.1	2168.8	2108.5	2078.4	2060.2
162.5°	2192.9	2195.7	2207.0	2218.2	2207.0	2195.7	2192.9	2154.7	2103.9	2078.4	2065.2
165°	2160.3	2163.3	2175.2	2187.2	2175.2	2163.3	2160.3	2133.0	2096.6	2078.4	2072.4
167.5°	2146.2	2147.5	2152.5	2157.5	2152.5	2147.5	2146.2	2128.3	2104.4	2092.5	2087.5
170°	2146.2	2146.2	2146.2	2146.2	2146.2	2146.2	2146.2	2128.3	2104.4	2092.5	2092.2
172.5°	2134.9	2133.8	2129.4	2125.0	2129.4	2133.8	2134.9	2120.8	2102.0	2092.5	2092.5
175°	2119.4	2119.4	2119.4	2119.4	2119.4	2119.4	2119.4	2110.4	2098.5	2092.5	2095.3
177.5°	2116.5	2115.3	2110.3	2105.3	2110.3	2115.3	2116.5	2109.4	2100.1	2095.3	2097.5
180°	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2884.5	2884.5	2884.5	2884.5	2884.5
2.5°	2849.1	2862.7	2870.9	2881.8	2909.1
5°	2739.9	2791.8	2808.1	2849.1	2898.2
7.5°	2499.8	2658.1	2701.7	2800.0	2876.4
10°	2267.7	2426.1	2502.5	2734.5	2849.1
12.5°	2150.4	2243.2	2295.0	2619.8	2810.9
15°	2076.7	2142.2	2180.4	2467.0	2767.2
17.5°	2019.4	2065.8	2093.1	2316.8	2707.2
20°	1983.9	2005.7	2030.3	2207.7	2638.9
22.5°	1959.4	1945.7	1964.8	2131.3	2546.2
25°	1943.0	1891.1	1913.0	2071.2	2437.0
27.5°	1956.6	1842.0	1850.2	2016.7	2322.3
30°	1959.4	1782.0	1784.7	1959.4	2194.0
32.5°	1940.3	1719.2	1721.9	1888.4	2049.4
35°	1893.9	1645.5	1642.8	1806.5	1852.9
37.5°	1831.1	1566.4	1566.4	1716.5	1637.3
40°	1754.7	1487.3	1495.4	1599.1	1446.3
42.5°	1661.9	1402.7	1413.6	1443.6	1304.4
45°	1560.9	1320.8	1329.0	1219.8	1195.3
47.5°	1449.1	1236.2	1238.9	1012.4	1159.8
50°	1315.3	1148.9	1138.0	867.8	1157.1
52.5°	1198.0	1053.4	1020.6	785.9	1050.6
55°	1083.4	952.4	881.4	723.2	974.2
57.5°	982.4	821.4	753.2	649.5	957.8
60°	889.6	693.1	641.3	570.3	878.7
62.5°	813.2	597.6	586.7	515.8	796.8
65°	731.3	532.1	529.4	469.4	676.8
67.5°	652.2	488.5	485.7	425.7	515.8
70°	567.6	442.1	436.6	379.3	382.0
72.5°	480.3	390.2	384.8	341.1	316.6
75°	393.0	330.2	327.5	297.5	256.5
77.5°	308.4	262.0	267.4	240.1	188.3
80°	221.0	191.0	196.5	171.9	141.9
82.5°	147.4	125.5	131.0	109.2	95.5
85°	81.9	71.0	73.7	57.3	43.7
87.5°	38.2	32.7	32.7	21.8	13.6
90°	62.1	39.6	36.7	25.4	14.1
92.5°	383.4	272.7	248.7	152.5	56.5
95°	943.3	531.2	487.3	311.5	135.6
97.5°	1270.7	583.5	544.8	389.6	234.5
100°	1389.8	627.4	592.2	451.5	310.8
102.5°	1444.5	671.1	638.3	507.1	375.9
105°	1485.0	736.2	708.3	597.2	486.0
107.5°	1492.5	832.2	806.3	702.7	599.1
110°	1481.2	885.9	862.5	768.9	675.4



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CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1481.6	950.8	928.6	839.4	750.3
115°	1495.4	1048.4	1027.8	945.5	863.2
117.5°	1523.1	1143.0	1124.4	1049.6	974.9
120°	1545.7	1198.2	1180.6	1110.2	1039.9
122.5°	1578.2	1263.1	1245.4	1174.4	1103.5
125°	1622.1	1346.5	1330.3	1265.7	1201.0
127.5°	1665.8	1427.0	1410.8	1345.4	1280.1
130°	1697.8	1480.7	1463.2	1392.8	1322.5
132.5°	1723.8	1524.6	1507.0	1436.6	1366.3
135°	1752.1	1575.4	1559.4	1495.4	1431.3
137.5°	1794.3	1640.3	1624.5	1561.1	1497.7
140°	1820.3	1684.2	1669.5	1611.1	1552.8
142.5°	1841.9	1716.7	1703.2	1649.2	1595.1
145°	1870.2	1766.2	1754.4	1707.3	1660.2
147.5°	1911.7	1828.3	1816.8	1771.0	1725.1
150°	1933.3	1860.8	1850.5	1809.0	1767.5
152.5°	1947.5	1882.0	1874.2	1842.7	1811.4
155°	1978.6	1928.6	1922.8	1899.6	1876.3
157.5°	2009.7	1975.3	1969.6	1947.0	1924.4
160°	2023.8	1996.5	1992.1	1974.5	1956.9
162.5°	2038.9	2019.0	2015.8	2002.6	1989.4
165°	2060.5	2051.5	2048.5	2036.6	2024.7
167.5°	2077.4	2069.9	2068.5	2062.9	2057.2
170°	2091.5	2091.1	2089.7	2084.1	2078.4
172.5°	2092.5	2092.5	2092.3	2091.0	2089.7
175°	2101.0	2105.3	2105.3	2105.3	2105.3
177.5°	2102.0	2105.3	2105.3	2105.3	2105.3
180°	2105.3	2105.3	2105.3	2105.3	2105.3



TEST NUMBER: P935528  
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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	10.89	11.64	11.97	12.71	14.18	13.74	14.49	14.82	15.56	17.03
	3H	11.36	12.03	12.44	13.11	14.59	15.09	15.75	16.17	16.84	18.32
	4H	11.55	12.18	12.64	13.26	14.75	15.53	16.16	16.62	17.25	18.74
	6H	11.66	12.24	12.76	13.33	14.83	15.81	16.40	16.92	17.48	18.99
	8H	11.66	12.21	12.76	13.31	14.81	15.89	16.44	17.00	17.55	19.04
	12H	11.62	12.15	12.73	13.25	14.77	15.93	16.45	17.04	17.55	19.07
4H	2H	11.92	12.55	13.02	13.63	15.12	14.14	14.77	15.24	15.85	17.34
	3H	12.93	13.46	14.04	14.57	16.07	15.64	16.17	16.75	17.28	18.78
	4H	13.20	13.69	14.32	14.79	16.31	16.17	16.65	17.28	17.75	19.27
	6H	13.32	13.74	14.44	14.86	16.38	16.53	16.95	17.65	18.07	19.58
	8H	13.32	13.71	14.44	14.83	16.36	16.64	17.02	17.76	18.14	19.67
	12H	13.29	13.64	14.42	14.76	16.30	16.69	17.04	17.83	18.17	19.71
8H	4H	13.65	14.04	14.77	15.15	16.69	16.28	16.67	17.40	17.78	19.32
	6H	13.91	14.23	15.05	15.39	16.91	16.72	17.04	17.86	18.20	19.72
	8H	13.95	14.23	15.10	15.37	16.92	16.87	17.15	18.02	18.29	19.84
	12H	13.93	14.17	15.08	15.31	16.89	16.97	17.22	18.12	18.35	19.93
12H	4H	13.65	14.00	14.79	15.13	16.67	16.24	16.59	17.38	17.72	19.26
	6H	13.97	14.25	15.12	15.39	16.93	16.71	16.99	17.86	18.13	19.68
	8H	14.03	14.28	15.18	15.41	16.99	16.87	17.12	18.02	18.25	19.84