

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: P935973

Luminaire Tested: SQ4-FA-150U-075D-940-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935973
REPORT IS A COMBINATION OF REPORTS P933773 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-075D-940-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

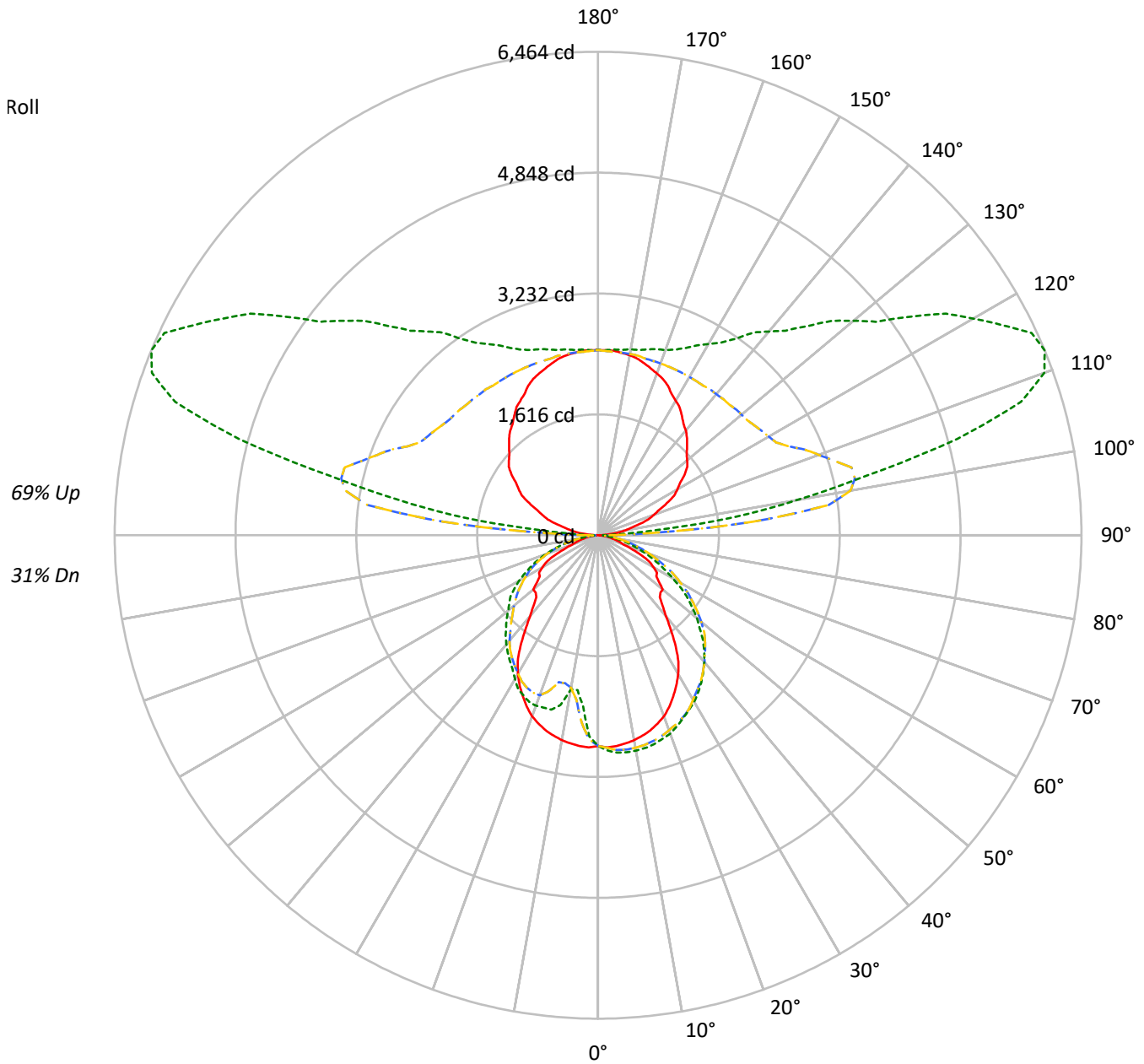
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23359.6 lumens
Efficiency: N/A
Efficacy: 122.4 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): 190.8
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			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39			31
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	34	34	33			26
2	85	78	72	67	76	70	65	61	56	52	49	43	40	38	30	29	28			22
3	78	69	61	56	70	62	56	51	49	45	42	38	35	32	27	25	24			19
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20			16
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18			14
6	60	48	40	35	54	44	37	32	35	30	26	27	23	21	19	17	15			12
7	55	43	36	30	49	39	33	28	32	27	23	24	21	18	18	15	14			11
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12			10
9	47	36	28	23	43	32	26	22	26	21	18	20	17	14	15	13	11			9
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10			8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8710	8710	8710	8710
5°	8778	8792	8778	6913
10°	8723	8661	8723	6192
15°	8631	8473	8631	7075
20°	8454	8251	8454	7090
25°	8088	7927	8088	6940
30°	7613	7657	7613	6610
35°	6791	7317	6791	6247
40°	5661	6916	5661	5973
45°	5062	6447	5062	5658
50°	5382	5887	5382	5342
55°	5068	5284	5068	5159
60°	5231	4488	5231	4725
65°	4751	3710	4751	4147
70°	3298	2957	3298	3476
75°	2902	2185	2902	2617
80°	2356	1445	2356	1574
85°	1380	766	1380	651

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7753 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.2	1.1
10°-20°	721.7	3.1
20°-30°	1115.6	4.8
30°-40°	1331.8	5.7
40°-50°	1339.6	5.7
50°-60°	1165.6	5.0
60°-70°	826.4	3.5
70°-80°	437.2	1.9
80°-90°	118.3	0.5
90°-100°	1206.8	5.2
100°-110°	3172.7	13.6
110°-120°	3289.8	14.1
120°-130°	2638.8	11.3
130°-140°	2070.5	8.9
140°-150°	1589.2	6.8
150°-160°	1144.5	4.9
160°-170°	700.3	3.0
170°-180°	236.6	1.0
0°-30°	2091.5	9.0
0°-40°	3423.3	14.7
0°-60°	5928.5	25.4
0°-90°	7310.5	31.3
90°-120°	7669.3	32.8
90°-150°	13967.8	59.8
90°-180°	16049.0	68.7
0°-180°	23359.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2816	2816	2816	2816	2816	
5°	2829	2917	2829	2294	2829	268
15°	2701	2890	2701	2414	2701	760
25°	2379	2696	2379	2360	2379	1092
35°	1809	2406	1809	2054	1809	1119
45°	1167	1982	1167	1740	1167	935
55°	951	1462	951	1428	951	874
65°	661	882	661	986	661	631
75°	250	418	250	501	250	263
85°	43	107	43	91	43	58
90°	17	63	17	63	17	15
95°	160	729	160	729	160	177
105°	572	4968	572	4968	572	606
115°	1015	6397	1015	6397	1015	1003
125°	1412	5094	1412	5094	1412	1254
135°	1683	3953	1683	3953	1683	1302
145°	1952	3207	1952	3207	1952	1223
155°	2207	2762	2207	2762	2207	1014
165°	2381	2572	2381	2572	2381	672
175°	2476	2492	2476	2492	2476	235
180°	2476	2476	2476	2476	2476	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9
2.5°	2839.9	2839.9	2855.9	2861.2	2861.2	2853.2	2845.2	2853.2	2877.2	2885.2	2882.5
5°	2829.3	2850.6	2879.9	2885.2	2890.5	2887.9	2882.5	2887.9	2914.5	2919.8	2922.5
7.5°	2807.9	2847.9	2885.2	2893.2	2901.2	2893.2	2890.5	2895.9	2922.5	2927.8	2927.8
10°	2781.3	2837.2	2879.9	2885.2	2893.2	2885.2	2885.2	2895.9	2922.5	2927.8	2930.5
12.5°	2744.0	2821.3	2861.2	2866.6	2877.2	2874.5	2871.9	2882.5	2909.2	2914.5	2914.5
15°	2701.4	2792.0	2829.3	2834.6	2853.2	2847.9	2847.9	2858.6	2887.9	2895.9	2893.2
17.5°	2642.8	2754.7	2797.3	2805.3	2818.6	2815.9	2818.6	2829.3	2855.9	2861.2	2863.9
20°	2576.2	2704.0	2754.7	2762.7	2776.0	2776.0	2776.0	2789.3	2815.9	2826.6	2826.6
22.5°	2485.6	2650.8	2704.0	2709.4	2725.4	2725.4	2730.7	2749.3	2773.3	2776.0	2776.0
25°	2379.0	2592.2	2637.4	2653.4	2669.4	2677.4	2685.4	2696.1	2704.0	2701.4	2704.0
27.5°	2267.1	2517.6	2576.2	2586.8	2608.1	2616.1	2626.8	2629.5	2632.1	2640.1	2634.8
30°	2141.9	2413.7	2501.6	2512.2	2546.9	2552.2	2541.5	2546.9	2560.2	2565.5	2570.8
32.5°	2000.7	2259.1	2424.3	2448.3	2480.3	2464.3	2461.6	2469.6	2490.9	2490.9	2496.3
35°	1808.9	2139.2	2352.4	2373.7	2397.7	2379.0	2389.7	2392.4	2405.7	2413.7	2411.0
37.5°	1598.4	2035.3	2277.7	2293.7	2312.4	2288.4	2304.4	2312.4	2323.0	2317.7	2317.7
40°	1411.9	1872.8	2189.8	2200.5	2216.4	2197.8	2213.8	2219.1	2224.4	2219.1	2216.4
42.5°	1273.4	1694.3	2096.6	2109.9	2099.2	2112.6	2117.9	2128.5	2120.5	2109.9	2109.9
45°	1166.8	1646.4	1995.3	2011.3	1995.3	2016.6	2024.6	2024.6	2000.7	1995.3	1992.7
47.5°	1132.2	1550.4	1894.1	1894.1	1886.1	1912.8	1926.1	1907.4	1883.4	1875.5	1875.5
50°	1129.5	1443.9	1755.6	1744.9	1782.2	1814.2	1800.9	1782.2	1763.6	1734.3	1734.3
52.5°	1025.6	1313.4	1577.1	1617.0	1675.7	1694.3	1673.0	1654.3	1622.4	1609.1	1598.4
55°	951.0	1177.5	1414.6	1494.5	1555.8	1579.8	1539.8	1521.1	1473.2	1465.2	1459.9
57.5°	935.1	980.4	1265.4	1366.6	1441.2	1438.6	1414.6	1380.0	1340.0	1332.0	1329.3
60°	857.8	708.6	1105.6	1225.4	1302.7	1294.7	1273.4	1241.4	1204.1	1198.8	1193.5
62.5°	777.9	514.2	924.4	1060.3	1169.5	1166.8	1148.2	1100.2	1073.6	1060.3	1049.6
65°	660.7	431.6	658.0	881.8	1039.0	1044.3	1004.3	969.7	940.4	924.4	921.7
67.5°	503.5	351.6	444.9	735.3	913.8	908.4	857.8	841.8	804.5	796.5	780.6
70°	373.0	234.4	309.0	596.7	791.2	777.9	737.9	719.3	684.6	666.0	655.3
72.5°	309.0	189.1	226.4	463.5	666.0	650.0	615.4	594.1	564.8	548.8	538.1
75°	250.4	199.8	173.2	343.7	540.8	530.1	498.2	476.9	452.9	431.6	434.2
77.5°	183.8	186.5	138.5	253.1	428.9	412.9	394.3	367.6	357.0	335.7	335.7
80°	138.5	146.5	103.9	173.2	309.0	309.0	293.0	274.4	255.7	245.1	245.1
82.5°	93.2	93.2	77.3	109.2	210.5	202.5	191.8	186.5	175.8	170.5	170.5
85°	42.6	53.3	48.0	66.6	114.6	119.9	119.9	114.6	111.9	106.6	109.2
87.5°	13.3	24.0	29.3	37.3	58.6	61.3	63.9	63.9	63.9	66.6	66.6
90°	16.6	29.9	43.2	46.5	73.1	108.5	126.3	112.2	84.2	63.1	63.1
92.5°	66.4	179.4	292.4	320.7	450.8	624.4	711.1	623.2	447.5	315.7	303.2
95°	159.5	366.2	573.0	624.7	1109.4	1755.6	2078.6	1854.9	1407.4	1071.7	1033.7
97.5°	275.8	458.2	640.6	686.2	1494.3	2571.7	3110.4	2969.0	2686.2	2474.1	2401.7
100°	365.5	530.9	696.4	737.8	1634.5	2830.0	3427.8	3438.1	3458.8	3474.3	3388.1
102.5°	442.0	596.3	750.6	789.3	1698.7	2911.2	3517.5	3697.7	4058.1	4328.4	4254.5
105°	571.6	702.3	833.0	865.7	1746.3	2920.5	3507.5	3911.5	4719.4	5325.2	5285.6
107.5°	704.5	826.4	948.2	978.7	1755.1	2790.5	3308.2	3871.6	4998.5	5843.7	5853.3
110°	794.2	904.3	1014.3	1041.8	1741.9	2675.3	3142.0	3772.0	5031.8	5976.6	6018.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	882.3	987.2	1092.1	1118.3	1742.4	2574.7	2990.8	3635.5	4924.8	5891.9	5955.4
115°	1015.3	1112.0	1208.7	1232.9	1758.5	2459.3	2809.7	3430.8	4672.8	5604.4	5692.5
117.5°	1146.5	1234.3	1322.2	1344.2	1791.1	2387.0	2685.0	3245.6	4366.6	5207.3	5305.0
120°	1222.9	1305.6	1388.3	1409.0	1817.7	2362.7	2635.2	3147.3	4171.6	4939.8	5034.7
122.5°	1297.6	1381.1	1464.6	1485.4	1856.0	2350.0	2597.0	3058.2	3980.5	4672.3	4765.9
125°	1412.4	1488.4	1564.5	1583.5	1907.5	2339.5	2555.5	2947.3	3730.8	4318.3	4404.6
127.5°	1505.3	1582.1	1659.0	1678.1	1958.9	2333.4	2520.6	2857.0	3529.7	4034.3	4107.0
130°	1555.2	1637.9	1720.6	1741.3	1996.6	2337.0	2507.3	2806.7	3405.7	3854.8	3922.0
132.5°	1606.7	1689.4	1772.1	1792.8	2027.0	2339.4	2495.6	2763.7	3299.9	3702.0	3762.2
135°	1683.1	1758.4	1833.8	1852.6	2060.3	2337.3	2475.7	2700.2	3149.2	3485.9	3537.8
137.5°	1761.3	1835.9	1910.4	1929.1	2110.2	2351.6	2472.4	2662.1	3041.8	3326.4	3368.9
140°	1826.1	1894.7	1963.5	1980.6	2140.6	2354.0	2460.7	2624.7	2952.6	3198.5	3238.2
142.5°	1875.9	1939.4	2002.9	2018.8	2166.1	2362.5	2460.7	2604.8	2892.7	3108.8	3143.0
145°	1952.4	2007.8	2063.1	2076.9	2199.3	2362.5	2444.1	2561.9	2797.5	2974.2	3000.0
147.5°	2028.7	2082.6	2136.5	2150.0	2248.1	2378.8	2444.1	2536.8	2722.2	2861.2	2882.6
150°	2078.6	2127.4	2176.1	2188.3	2273.5	2387.3	2444.1	2522.5	2679.0	2796.4	2813.7
152.5°	2130.1	2167.1	2203.9	2213.2	2290.2	2392.8	2444.1	2511.0	2644.6	2744.9	2758.0
155°	2206.6	2233.9	2261.2	2268.0	2326.7	2405.0	2444.1	2497.3	2603.7	2683.4	2692.1
157.5°	2263.1	2289.6	2316.2	2322.8	2363.2	2417.1	2444.1	2485.5	2568.2	2630.3	2636.4
160°	2301.3	2321.9	2342.6	2347.8	2379.9	2422.7	2444.1	2479.6	2550.4	2603.6	2607.2
162.5°	2339.4	2355.0	2370.4	2374.3	2397.6	2428.6	2444.1	2474.1	2533.9	2578.8	2582.0
165°	2381.0	2395.0	2409.1	2412.6	2423.1	2437.1	2444.1	2465.5	2508.3	2540.5	2544.0
167.5°	2419.3	2425.9	2432.5	2434.2	2443.1	2454.9	2460.7	2474.8	2502.8	2523.9	2525.4
170°	2444.1	2450.8	2457.5	2459.1	2459.7	2460.4	2460.7	2474.8	2502.8	2523.9	2523.9
172.5°	2457.5	2458.9	2460.4	2460.7	2460.7	2460.7	2460.7	2471.8	2494.0	2510.6	2509.3
175°	2475.7	2475.7	2475.7	2475.7	2470.8	2464.1	2460.7	2467.8	2481.8	2492.3	2492.3
177.5°	2475.7	2475.7	2475.7	2475.7	2471.8	2466.7	2464.1	2469.6	2480.7	2489.0	2487.5
180°	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9
2.5°	2887.9	2879.9	2887.9	2882.5	2885.2	2877.2	2853.2	2845.2	2853.2	2861.2	2861.2
5°	2922.5	2917.2	2922.5	2922.5	2919.8	2914.5	2887.9	2882.5	2887.9	2890.5	2885.2
7.5°	2933.2	2925.2	2933.2	2927.8	2927.8	2922.5	2895.9	2890.5	2893.2	2901.2	2893.2
10°	2933.2	2925.2	2933.2	2930.5	2927.8	2922.5	2895.9	2885.2	2885.2	2893.2	2885.2
12.5°	2919.8	2914.5	2919.8	2914.5	2914.5	2909.2	2882.5	2871.9	2874.5	2877.2	2866.6
15°	2898.5	2890.5	2898.5	2893.2	2895.9	2887.9	2858.6	2847.9	2847.9	2853.2	2834.6
17.5°	2866.6	2855.9	2866.6	2863.9	2861.2	2855.9	2829.3	2818.6	2815.9	2818.6	2805.3
20°	2829.3	2821.3	2829.3	2826.6	2826.6	2815.9	2789.3	2776.0	2776.0	2776.0	2762.7
22.5°	2770.6	2762.7	2770.6	2776.0	2776.0	2773.3	2749.3	2730.7	2725.4	2725.4	2709.4
25°	2704.0	2696.1	2704.0	2704.0	2701.4	2704.0	2696.1	2685.4	2677.4	2669.4	2653.4
27.5°	2640.1	2634.8	2640.1	2634.8	2640.1	2632.1	2629.5	2626.8	2616.1	2608.1	2586.8
30°	2576.2	2570.8	2576.2	2570.8	2565.5	2560.2	2546.9	2541.5	2552.2	2546.9	2512.2
32.5°	2496.3	2490.9	2496.3	2496.3	2490.9	2490.9	2469.6	2461.6	2464.3	2480.3	2448.3
35°	2413.7	2405.7	2413.7	2411.0	2413.7	2405.7	2392.4	2389.7	2379.0	2397.7	2373.7
37.5°	2317.7	2309.7	2317.7	2317.7	2317.7	2323.0	2312.4	2304.4	2288.4	2312.4	2293.7
40°	2219.1	2208.5	2219.1	2216.4	2219.1	2224.4	2219.1	2213.8	2197.8	2216.4	2200.5
42.5°	2107.2	2104.6	2107.2	2109.9	2109.9	2120.5	2128.5	2117.9	2112.6	2099.2	2109.9
45°	1987.3	1982.0	1987.3	1992.7	1995.3	2000.7	2024.6	2024.6	2016.6	1995.3	2011.3
47.5°	1859.5	1846.2	1859.5	1875.5	1875.5	1883.4	1907.4	1926.1	1912.8	1886.1	1894.1
50°	1723.6	1726.3	1723.6	1734.3	1734.3	1763.6	1782.2	1800.9	1814.2	1782.2	1744.9
52.5°	1590.4	1587.7	1590.4	1598.4	1609.1	1622.4	1654.3	1673.0	1694.3	1675.7	1617.0
55°	1457.2	1462.5	1457.2	1459.9	1465.2	1473.2	1521.1	1539.8	1579.8	1555.8	1494.5
57.5°	1324.0	1316.0	1324.0	1329.3	1332.0	1340.0	1380.0	1414.6	1438.6	1441.2	1366.6
60°	1169.5	1158.8	1169.5	1193.5	1198.8	1204.1	1241.4	1273.4	1294.7	1302.7	1225.4
62.5°	1033.6	1015.0	1033.6	1049.6	1060.3	1073.6	1100.2	1148.2	1166.8	1169.5	1060.3
65°	889.8	881.8	889.8	921.7	924.4	940.4	969.7	1004.3	1044.3	1039.0	881.8
67.5°	759.2	759.2	759.2	780.6	796.5	804.5	841.8	857.8	908.4	913.8	735.3
70°	639.4	636.7	639.4	655.3	666.0	684.6	719.3	737.9	777.9	791.2	596.7
72.5°	524.8	522.1	524.8	538.1	548.8	564.8	594.1	615.4	650.0	666.0	463.5
75°	423.6	418.2	423.6	434.2	431.6	452.9	476.9	498.2	530.1	540.8	343.7
77.5°	325.0	325.0	325.0	335.7	335.7	357.0	367.6	394.3	412.9	428.9	253.1
80°	242.4	239.8	242.4	245.1	245.1	255.7	274.4	293.0	309.0	309.0	173.2
82.5°	170.5	165.2	170.5	170.5	170.5	175.8	186.5	191.8	202.5	210.5	109.2
85°	106.6	106.6	106.6	109.2	106.6	111.9	114.6	119.9	119.9	114.6	66.6
87.5°	69.3	66.6	69.3	66.6	66.6	63.9	63.9	63.9	61.3	58.6	37.3
90°	63.1	63.1	63.1	63.1	63.1	84.2	112.2	126.3	108.5	73.1	46.5
92.5°	252.9	202.7	252.9	303.2	315.7	447.5	623.2	711.1	624.4	450.8	320.7
95°	881.5	729.4	881.5	1033.7	1071.7	1407.4	1854.9	2078.6	1755.6	1109.4	624.7
97.5°	2112.2	1822.7	2112.2	2401.7	2474.1	2686.2	2969.0	3110.4	2571.7	1494.3	686.2
100°	3043.3	2698.4	3043.3	3388.1	3474.3	3458.8	3438.1	3427.8	2830.0	1634.5	737.8
102.5°	3959.1	3663.7	3959.1	4254.5	4328.4	4058.1	3697.7	3517.5	2911.2	1698.7	789.3
105°	5126.9	4968.1	5126.9	5285.6	5325.2	4719.4	3911.5	3507.5	2920.5	1746.3	865.7
107.5°	5891.7	5930.1	5891.7	5853.3	5843.7	4998.5	3871.6	3308.2	2790.5	1755.1	978.7
110°	6183.4	6348.8	6183.4	6018.0	5976.6	5031.8	3772.0	3142.0	2675.3	1741.9	1041.8



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6209.4	6463.5	6209.4	5955.4	5891.9	4924.8	3635.5	2990.8	2574.7	1742.4	1118.3
115°	6044.7	6397.0	6044.7	5692.5	5604.4	4672.8	3430.8	2809.7	2459.3	1758.5	1232.9
117.5°	5695.6	6086.3	5695.6	5305.0	5207.3	4366.6	3245.6	2685.0	2387.0	1791.1	1344.2
120°	5414.2	5793.8	5414.2	5034.7	4939.8	4171.6	3147.3	2635.2	2362.7	1817.7	1409.0
122.5°	5140.4	5514.7	5140.4	4765.9	4672.3	3980.5	3058.2	2597.0	2350.0	1856.0	1485.4
125°	4749.5	5094.4	4749.5	4404.6	4318.3	3730.8	2947.3	2555.5	2339.5	1907.5	1583.5
127.5°	4398.0	4688.9	4398.0	4107.0	4034.3	3529.7	2857.0	2520.6	2333.4	1958.9	1678.1
130°	4190.8	4459.6	4190.8	3922.0	3854.8	3405.7	2806.7	2507.3	2337.0	1996.6	1741.3
132.5°	4002.8	4243.6	4002.8	3762.2	3702.0	3299.9	2763.7	2495.6	2339.4	2027.0	1792.8
135°	3745.3	3952.8	3745.3	3537.8	3485.9	3149.2	2700.2	2475.7	2337.3	2060.3	1852.6
137.5°	3538.8	3708.6	3538.8	3368.9	3326.4	3041.8	2662.1	2472.4	2351.6	2110.2	1929.1
140°	3397.0	3555.7	3397.0	3238.2	3198.5	2952.6	2624.7	2460.7	2354.0	2140.6	1980.6
142.5°	3279.6	3416.1	3279.6	3143.0	3108.8	2892.7	2604.8	2460.7	2362.5	2166.1	2018.8
145°	3103.5	3206.8	3103.5	3000.0	2974.2	2797.5	2561.9	2444.1	2362.5	2199.3	2076.9
147.5°	2968.3	3053.9	2968.3	2882.6	2861.2	2722.2	2536.8	2444.1	2378.8	2248.1	2150.0
150°	2883.2	2952.6	2883.2	2813.7	2796.4	2679.0	2522.5	2444.1	2387.3	2273.5	2188.3
152.5°	2810.4	2862.8	2810.4	2758.0	2744.9	2644.6	2511.0	2444.1	2392.8	2290.2	2213.2
155°	2726.8	2761.5	2726.8	2692.1	2683.4	2603.7	2497.3	2444.1	2405.0	2326.7	2268.0
157.5°	2660.7	2685.0	2660.7	2636.4	2630.3	2568.2	2485.5	2444.1	2417.1	2363.2	2322.8
160°	2621.2	2635.2	2621.2	2607.2	2603.6	2550.4	2479.6	2444.1	2422.7	2379.9	2347.8
162.5°	2595.4	2608.7	2595.4	2582.0	2578.8	2533.9	2474.1	2444.1	2428.6	2397.6	2374.3
165°	2558.1	2572.1	2558.1	2544.0	2540.5	2508.3	2465.5	2444.1	2437.1	2423.1	2412.6
167.5°	2531.2	2537.2	2531.2	2525.4	2523.9	2502.8	2474.8	2460.7	2454.9	2443.1	2434.2
170°	2523.9	2523.9	2523.9	2523.9	2523.9	2502.8	2474.8	2460.7	2460.4	2459.7	2459.1
172.5°	2504.2	2499.0	2504.2	2509.3	2510.6	2494.0	2471.8	2460.7	2460.7	2460.7	2460.7
175°	2492.3	2492.3	2492.3	2492.3	2492.3	2481.8	2467.8	2460.7	2464.1	2470.8	2475.7
177.5°	2481.6	2475.7	2481.6	2487.5	2489.0	2480.7	2469.6	2464.1	2466.7	2471.8	2475.7
180°	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9
2.5°	2855.9	2839.9	2839.9	2813.3	2802.6	2794.6	2781.3	2741.3	2730.7	2720.0	2736.0
5°	2879.9	2850.6	2829.3	2781.3	2741.3	2725.4	2674.7	2578.8	2514.9	2467.0	2440.3
7.5°	2885.2	2847.9	2807.9	2733.4	2637.4	2594.8	2440.3	2264.4	2216.4	2173.8	2147.2
10°	2879.9	2837.2	2781.3	2669.4	2443.0	2368.4	2213.8	2099.2	2069.9	2061.9	2069.9
12.5°	2861.2	2821.3	2744.0	2557.5	2240.4	2189.8	2099.2	2032.6	2027.3	2040.6	2112.6
15°	2829.3	2792.0	2701.4	2408.3	2128.5	2091.2	2027.3	2003.3	2032.6	2125.9	2341.7
17.5°	2797.3	2754.7	2642.8	2261.7	2043.3	2016.6	1971.4	2019.3	2184.5	2309.7	2381.7
20°	2754.7	2704.0	2576.2	2155.2	1982.0	1958.0	1936.7	2152.5	2277.7	2323.0	2363.1
22.5°	2704.0	2650.8	2485.6	2080.6	1918.1	1899.4	1912.8	2227.1	2277.7	2309.7	2344.3
25°	2637.4	2592.2	2379.0	2022.0	1867.5	1846.2	1896.8	2219.1	2248.4	2256.4	2325.7
27.5°	2576.2	2517.6	2267.1	1968.7	1806.2	1798.2	1910.1	2184.5	2205.8	2213.8	2288.4
30°	2501.6	2413.7	2141.9	1912.8	1742.3	1739.6	1912.8	2141.9	2136.5	2157.8	2232.4
32.5°	2424.3	2259.1	2000.7	1843.5	1681.0	1678.3	1894.1	2077.9	2072.6	2101.9	2157.8
35°	2352.4	2139.2	1808.9	1763.6	1603.7	1606.4	1848.8	2003.3	2006.0	2032.6	2067.3
37.5°	2277.7	2035.3	1598.4	1675.7	1529.1	1529.1	1787.5	1934.1	1928.7	1936.7	1984.7
40°	2189.8	1872.8	1411.9	1561.1	1459.9	1451.9	1713.0	1859.5	1840.8	1838.2	1904.8
42.5°	2096.6	1694.3	1273.4	1409.3	1380.0	1369.3	1622.4	1768.9	1734.3	1742.3	1827.5
45°	1995.3	1646.4	1166.8	1190.8	1297.4	1289.4	1523.8	1665.0	1641.0	1662.3	1750.2
47.5°	1894.1	1550.4	1132.2	988.3	1209.5	1206.8	1414.6	1563.8	1550.4	1571.8	1665.0
50°	1755.6	1443.9	1129.5	847.2	1110.9	1121.5	1284.0	1465.2	1465.2	1483.8	1582.4
52.5°	1577.1	1313.4	1025.6	767.2	996.3	1028.3	1169.5	1380.0	1385.3	1403.9	1491.8
55°	1414.6	1177.5	951.0	706.0	860.5	929.7	1057.6	1292.0	1302.7	1321.3	1401.3
57.5°	1265.4	980.4	935.1	634.0	735.3	801.9	959.0	1206.8	1212.1	1228.1	1305.4
60°	1105.6	708.6	857.8	556.8	626.0	676.7	868.5	1105.6	1124.2	1134.9	1201.5
62.5°	924.4	514.2	777.9	503.5	572.8	583.4	793.9	1009.7	1033.6	1041.6	1081.6
65°	658.0	431.6	660.7	458.2	516.8	519.5	714.0	911.1	932.4	945.7	975.0
67.5°	444.9	351.6	503.5	415.6	474.2	476.9	636.7	796.5	825.8	836.5	855.1
70°	309.0	234.4	373.0	370.3	426.2	431.6	554.1	692.6	719.3	727.3	737.9
72.5°	226.4	189.1	309.0	333.0	375.6	381.0	468.9	575.4	602.1	610.1	615.4
75°	173.2	199.8	250.4	290.4	319.7	322.3	383.6	468.9	487.5	492.8	495.5
77.5°	138.5	186.5	183.8	234.4	261.1	255.7	301.0	362.3	378.3	378.3	378.3
80°	103.9	146.5	138.5	167.8	191.8	186.5	215.8	258.4	263.7	269.1	266.4
82.5°	77.3	93.2	93.2	106.6	127.9	122.5	143.9	167.8	167.8	167.8	173.2
85°	48.0	53.3	42.6	55.9	71.9	69.3	79.9	90.6	93.2	93.2	87.9
87.5°	29.3	24.0	13.3	21.3	32.0	32.0	37.3	40.0	37.3	37.3	37.3
90°	43.2	29.9	16.6	29.9	43.2	46.5	73.1	108.5	126.3	112.2	84.2
92.5°	292.4	179.4	66.4	179.4	292.4	320.7	450.8	624.4	711.1	623.2	447.5
95°	573.0	366.2	159.5	366.2	573.0	624.7	1109.4	1755.6	2078.6	1854.9	1407.4
97.5°	640.6	458.2	275.8	458.2	640.6	686.2	1494.3	2571.7	3110.4	2969.0	2686.2
100°	696.4	530.9	365.5	530.9	696.4	737.8	1634.5	2830.0	3427.8	3438.1	3458.8
102.5°	750.6	596.3	442.0	596.3	750.6	789.3	1698.7	2911.2	3517.5	3697.7	4058.1
105°	833.0	702.3	571.6	702.3	833.0	865.7	1746.3	2920.5	3507.5	3911.5	4719.4
107.5°	948.2	826.4	704.5	826.4	948.2	978.7	1755.1	2790.5	3308.2	3871.6	4998.5
110°	1014.3	904.3	794.2	904.3	1014.3	1041.8	1741.9	2675.3	3142.0	3772.0	5031.8



TEST NUMBER: P935973

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1092.1	987.2	882.3	987.2	1092.1	1118.3	1742.4	2574.7	2990.8	3635.5	4924.8
115°	1208.7	1112.0	1015.3	1112.0	1208.7	1232.9	1758.5	2459.3	2809.7	3430.8	4672.8
117.5°	1322.2	1234.3	1146.5	1234.3	1322.2	1344.2	1791.1	2387.0	2685.0	3245.6	4366.6
120°	1388.3	1305.6	1222.9	1305.6	1388.3	1409.0	1817.7	2362.7	2635.2	3147.3	4171.6
122.5°	1464.6	1381.1	1297.6	1381.1	1464.6	1485.4	1856.0	2350.0	2597.0	3058.2	3980.5
125°	1564.5	1488.4	1412.4	1488.4	1564.5	1583.5	1907.5	2339.5	2555.5	2947.3	3730.8
127.5°	1659.0	1582.1	1505.3	1582.1	1659.0	1678.1	1958.9	2333.4	2520.6	2857.0	3529.7
130°	1720.6	1637.9	1555.2	1637.9	1720.6	1741.3	1996.6	2337.0	2507.3	2806.7	3405.7
132.5°	1772.1	1689.4	1606.7	1689.4	1772.1	1792.8	2027.0	2339.4	2495.6	2763.7	3299.9
135°	1833.8	1758.4	1683.1	1758.4	1833.8	1852.6	2060.3	2337.3	2475.7	2700.2	3149.2
137.5°	1910.4	1835.9	1761.3	1835.9	1910.4	1929.1	2110.2	2351.6	2472.4	2662.1	3041.8
140°	1963.5	1894.7	1826.1	1894.7	1963.5	1980.6	2140.6	2354.0	2460.7	2624.7	2952.6
142.5°	2002.9	1939.4	1875.9	1939.4	2002.9	2018.8	2166.1	2362.5	2460.7	2604.8	2892.7
145°	2063.1	2007.8	1952.4	2007.8	2063.1	2076.9	2199.3	2362.5	2444.1	2561.9	2797.5
147.5°	2136.5	2082.6	2028.7	2082.6	2136.5	2150.0	2248.1	2378.8	2444.1	2536.8	2722.2
150°	2176.1	2127.4	2078.6	2127.4	2176.1	2188.3	2273.5	2387.3	2444.1	2522.5	2679.0
152.5°	2203.9	2167.1	2130.1	2167.1	2203.9	2213.2	2290.2	2392.8	2444.1	2511.0	2644.6
155°	2261.2	2233.9	2206.6	2233.9	2261.2	2268.0	2326.7	2405.0	2444.1	2497.3	2603.7
157.5°	2316.2	2289.6	2263.1	2289.6	2316.2	2322.8	2363.2	2417.1	2444.1	2485.5	2568.2
160°	2342.6	2321.9	2301.3	2321.9	2342.6	2347.8	2379.9	2422.7	2444.1	2479.6	2550.4
162.5°	2370.4	2355.0	2339.4	2355.0	2370.4	2374.3	2397.6	2428.6	2444.1	2474.1	2533.9
165°	2409.1	2395.0	2381.0	2395.0	2409.1	2412.6	2423.1	2437.1	2444.1	2465.5	2508.3
167.5°	2432.5	2425.9	2419.3	2425.9	2432.5	2434.2	2443.1	2454.9	2460.7	2474.8	2502.8
170°	2457.5	2450.8	2444.1	2450.8	2457.5	2459.1	2459.7	2460.4	2460.7	2474.8	2502.8
172.5°	2460.4	2458.9	2457.5	2458.9	2460.4	2460.7	2460.7	2460.7	2460.7	2471.8	2494.0
175°	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2470.8	2464.1	2460.7	2467.8	2481.8
177.5°	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2471.8	2466.7	2464.1	2469.6	2480.7
180°	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9	2815.9
2.5°	2717.4	2709.4	2720.0	2690.7	2720.0	2709.4	2717.4	2736.0	2720.0	2730.7	2741.3
5°	2384.4	2371.0	2328.3	2293.7	2328.3	2371.0	2384.4	2440.3	2467.0	2514.9	2578.8
7.5°	2131.2	2120.5	2109.9	2088.6	2109.9	2120.5	2131.2	2147.2	2173.8	2216.4	2264.4
10°	2075.3	2077.9	2093.9	2091.2	2093.9	2077.9	2075.3	2069.9	2061.9	2069.9	2099.2
12.5°	2219.1	2243.1	2331.0	2325.7	2331.0	2243.1	2219.1	2112.6	2040.6	2027.3	2032.6
15°	2384.4	2392.4	2411.0	2413.7	2411.0	2392.4	2384.4	2341.7	2125.9	2032.6	2003.3
17.5°	2400.4	2403.0	2416.3	2416.3	2416.3	2403.0	2400.4	2381.7	2309.7	2184.5	2019.3
20°	2387.0	2392.4	2419.0	2424.3	2419.0	2392.4	2387.0	2363.1	2323.0	2277.7	2152.5
22.5°	2381.7	2392.4	2413.7	2411.0	2413.7	2392.4	2381.7	2344.3	2309.7	2277.7	2227.1
25°	2355.1	2355.1	2357.7	2360.4	2357.7	2355.1	2355.1	2325.7	2256.4	2248.4	2219.1
27.5°	2299.0	2304.4	2320.3	2317.7	2320.3	2304.4	2299.0	2288.4	2213.8	2205.8	2184.5
30°	2248.4	2243.1	2229.8	2219.1	2229.8	2243.1	2248.4	2232.4	2157.8	2136.5	2141.9
32.5°	2163.2	2149.8	2136.5	2128.5	2136.5	2149.8	2163.2	2157.8	2101.9	2072.6	2077.9
35°	2061.9	2064.6	2061.9	2053.9	2061.9	2064.6	2061.9	2067.3	2032.6	2006.0	2003.3
37.5°	1990.0	1995.3	1992.7	1982.0	1992.7	1995.3	1990.0	1984.7	1936.7	1928.7	1934.1
40°	1915.4	1918.1	1915.4	1907.4	1915.4	1918.1	1915.4	1904.8	1838.2	1840.8	1859.5
42.5°	1843.5	1840.8	1832.8	1827.5	1832.8	1840.8	1843.5	1827.5	1742.3	1734.3	1768.9
45°	1760.9	1763.6	1747.6	1739.6	1747.6	1763.6	1760.9	1750.2	1662.3	1641.0	1665.0
47.5°	1678.3	1678.3	1665.0	1657.0	1665.0	1678.3	1678.3	1665.0	1571.8	1550.4	1563.8
50°	1590.4	1587.7	1569.1	1566.4	1569.1	1587.7	1590.4	1582.4	1483.8	1465.2	1465.2
52.5°	1489.2	1489.2	1491.8	1497.2	1491.8	1489.2	1489.2	1491.8	1403.9	1385.3	1380.0
55°	1401.3	1403.9	1422.6	1427.9	1422.6	1403.9	1401.3	1401.3	1321.3	1302.7	1292.0
57.5°	1310.7	1310.7	1324.0	1324.0	1324.0	1310.7	1310.7	1305.4	1228.1	1212.1	1206.8
60°	1206.8	1212.1	1222.8	1220.1	1222.8	1212.1	1206.8	1201.5	1134.9	1124.2	1105.6
62.5°	1097.6	1102.9	1105.6	1100.2	1105.6	1102.9	1097.6	1081.6	1041.6	1033.6	1009.7
65°	983.0	988.3	991.0	985.7	991.0	988.3	983.0	975.0	945.7	932.4	911.1
67.5°	865.8	863.1	860.5	871.1	860.5	863.1	865.8	855.1	836.5	825.8	796.5
70°	745.9	745.9	743.3	748.6	743.3	745.9	745.9	737.9	727.3	719.3	692.6
72.5°	618.0	615.4	626.0	618.0	626.0	615.4	618.0	615.4	610.1	602.1	575.4
75°	492.8	498.2	492.8	500.8	492.8	498.2	492.8	495.5	492.8	487.5	468.9
77.5°	375.6	381.0	375.6	375.6	375.6	381.0	375.6	378.3	378.3	378.3	362.3
80°	266.4	263.7	263.7	261.1	263.7	263.7	266.4	266.4	269.1	263.7	258.4
82.5°	170.5	167.8	167.8	173.2	167.8	167.8	170.5	173.2	167.8	167.8	167.8
85°	93.2	95.9	90.6	90.6	90.6	95.9	93.2	87.9	93.2	93.2	90.6
87.5°	34.6	32.0	32.0	32.0	32.0	32.0	34.6	37.3	37.3	37.3	40.0
90°	63.1	63.1	63.1	63.1	63.1	63.1	63.1	84.2	112.2	126.3	108.5
92.5°	315.7	303.2	252.9	202.7	252.9	303.2	315.7	447.5	623.2	711.1	624.4
95°	1071.7	1033.7	881.5	729.4	881.5	1033.7	1071.7	1407.4	1854.9	2078.6	1755.6
97.5°	2474.1	2401.7	2112.2	1822.7	2112.2	2401.7	2474.1	2686.2	2969.0	3110.4	2571.7
100°	3474.3	3388.1	3043.3	2698.4	3043.3	3388.1	3474.3	3458.8	3438.1	3427.8	2830.0
102.5°	4328.4	4254.5	3959.1	3663.7	3959.1	4254.5	4328.4	4058.1	3697.7	3517.5	2911.2
105°	5325.2	5285.6	5126.9	4968.1	5126.9	5285.6	5325.2	4719.4	3911.5	3507.5	2920.5
107.5°	5843.7	5853.3	5891.7	5930.1	5891.7	5853.3	5843.7	4998.5	3871.6	3308.2	2790.5
110°	5976.6	6018.0	6183.4	6348.8	6183.4	6018.0	5976.6	5031.8	3772.0	3142.0	2675.3



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5891.9	5955.4	6209.4	6463.5	6209.4	5955.4	5891.9	4924.8	3635.5	2990.8	2574.7
115°	5604.4	5692.5	6044.7	6397.0	6044.7	5692.5	5604.4	4672.8	3430.8	2809.7	2459.3
117.5°	5207.3	5305.0	5695.6	6086.3	5695.6	5305.0	5207.3	4366.6	3245.6	2685.0	2387.0
120°	4939.8	5034.7	5414.2	5793.8	5414.2	5034.7	4939.8	4171.6	3147.3	2635.2	2362.7
122.5°	4672.3	4765.9	5140.4	5514.7	5140.4	4765.9	4672.3	3980.5	3058.2	2597.0	2350.0
125°	4318.3	4404.6	4749.5	5094.4	4749.5	4404.6	4318.3	3730.8	2947.3	2555.5	2339.5
127.5°	4034.3	4107.0	4398.0	4688.9	4398.0	4107.0	4034.3	3529.7	2857.0	2520.6	2333.4
130°	3854.8	3922.0	4190.8	4459.6	4190.8	3922.0	3854.8	3405.7	2806.7	2507.3	2337.0
132.5°	3702.0	3762.2	4002.8	4243.6	4002.8	3762.2	3702.0	3299.9	2763.7	2495.6	2339.4
135°	3485.9	3537.8	3745.3	3952.8	3745.3	3537.8	3485.9	3149.2	2700.2	2475.7	2337.3
137.5°	3326.4	3368.9	3538.8	3708.6	3538.8	3368.9	3326.4	3041.8	2662.1	2472.4	2351.6
140°	3198.5	3238.2	3397.0	3555.7	3397.0	3238.2	3198.5	2952.6	2624.7	2460.7	2354.0
142.5°	3108.8	3143.0	3279.6	3416.1	3279.6	3143.0	3108.8	2892.7	2604.8	2460.7	2362.5
145°	2974.2	3000.0	3103.5	3206.8	3103.5	3000.0	2974.2	2797.5	2561.9	2444.1	2362.5
147.5°	2861.2	2882.6	2968.3	3053.9	2968.3	2882.6	2861.2	2722.2	2536.8	2444.1	2378.8
150°	2796.4	2813.7	2883.2	2952.6	2883.2	2813.7	2796.4	2679.0	2522.5	2444.1	2387.3
152.5°	2744.9	2758.0	2810.4	2862.8	2810.4	2758.0	2744.9	2644.6	2511.0	2444.1	2392.8
155°	2683.4	2692.1	2726.8	2761.5	2726.8	2692.1	2683.4	2603.7	2497.3	2444.1	2405.0
157.5°	2630.3	2636.4	2660.7	2685.0	2660.7	2636.4	2630.3	2568.2	2485.5	2444.1	2417.1
160°	2603.6	2607.2	2621.2	2635.2	2621.2	2607.2	2603.6	2550.4	2479.6	2444.1	2422.7
162.5°	2578.8	2582.0	2595.4	2608.7	2595.4	2582.0	2578.8	2533.9	2474.1	2444.1	2428.6
165°	2540.5	2544.0	2558.1	2572.1	2558.1	2544.0	2540.5	2508.3	2465.5	2444.1	2437.1
167.5°	2523.9	2525.4	2531.2	2537.2	2531.2	2525.4	2523.9	2502.8	2474.8	2460.7	2454.9
170°	2523.9	2523.9	2523.9	2523.9	2523.9	2523.9	2523.9	2502.8	2474.8	2460.7	2460.4
172.5°	2510.6	2509.3	2504.2	2499.0	2504.2	2509.3	2510.6	2494.0	2471.8	2460.7	2460.7
175°	2492.3	2492.3	2492.3	2492.3	2492.3	2492.3	2492.3	2481.8	2467.8	2460.7	2464.1
177.5°	2489.0	2487.5	2481.6	2475.7	2481.6	2487.5	2489.0	2480.7	2469.6	2464.1	2466.7
180°	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7



TEST NUMBER: P935973

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2815.9	2815.9	2815.9	2815.9	2815.9
2.5°	2781.3	2794.6	2802.6	2813.3	2839.9
5°	2674.7	2725.4	2741.3	2781.3	2829.3
7.5°	2440.3	2594.8	2637.4	2733.4	2807.9
10°	2213.8	2368.4	2443.0	2669.4	2781.3
12.5°	2099.2	2189.8	2240.4	2557.5	2744.0
15°	2027.3	2091.2	2128.5	2408.3	2701.4
17.5°	1971.4	2016.6	2043.3	2261.7	2642.8
20°	1936.7	1958.0	1982.0	2155.2	2576.2
22.5°	1912.8	1899.4	1918.1	2080.6	2485.6
25°	1896.8	1846.2	1867.5	2022.0	2379.0
27.5°	1910.1	1798.2	1806.2	1968.7	2267.1
30°	1912.8	1739.6	1742.3	1912.8	2141.9
32.5°	1894.1	1678.3	1681.0	1843.5	2000.7
35°	1848.8	1606.4	1603.7	1763.6	1808.9
37.5°	1787.5	1529.1	1529.1	1675.7	1598.4
40°	1713.0	1451.9	1459.9	1561.1	1411.9
42.5°	1622.4	1369.3	1380.0	1409.3	1273.4
45°	1523.8	1289.4	1297.4	1190.8	1166.8
47.5°	1414.6	1206.8	1209.5	988.3	1132.2
50°	1284.0	1121.5	1110.9	847.2	1129.5
52.5°	1169.5	1028.3	996.3	767.2	1025.6
55°	1057.6	929.7	860.5	706.0	951.0
57.5°	959.0	801.9	735.3	634.0	935.1
60°	868.5	676.7	626.0	556.8	857.8
62.5°	793.9	583.4	572.8	503.5	777.9
65°	714.0	519.5	516.8	458.2	660.7
67.5°	636.7	476.9	474.2	415.6	503.5
70°	554.1	431.6	426.2	370.3	373.0
72.5°	468.9	381.0	375.6	333.0	309.0
75°	383.6	322.3	319.7	290.4	250.4
77.5°	301.0	255.7	261.1	234.4	183.8
80°	215.8	186.5	191.8	167.8	138.5
82.5°	143.9	122.5	127.9	106.6	93.2
85°	79.9	69.3	71.9	55.9	42.6
87.5°	37.3	32.0	32.0	21.3	13.3
90°	73.1	46.5	43.2	29.9	16.6
92.5°	450.8	320.7	292.4	179.4	66.4
95°	1109.4	624.7	573.0	366.2	159.5
97.5°	1494.3	686.2	640.6	458.2	275.8
100°	1634.5	737.8	696.4	530.9	365.5
102.5°	1698.7	789.3	750.6	596.3	442.0
105°	1746.3	865.7	833.0	702.3	571.6
107.5°	1755.1	978.7	948.2	826.4	704.5
110°	1741.9	1041.8	1014.3	904.3	794.2



TEST NUMBER: P935973

CATALOG NUMBER: SQ4-FA-150U-075D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1742.4	1118.3	1092.1	987.2	882.3
115°	1758.5	1232.9	1208.7	1112.0	1015.3
117.5°	1791.1	1344.2	1322.2	1234.3	1146.5
120°	1817.7	1409.0	1388.3	1305.6	1222.9
122.5°	1856.0	1485.4	1464.6	1381.1	1297.6
125°	1907.5	1583.5	1564.5	1488.4	1412.4
127.5°	1958.9	1678.1	1659.0	1582.1	1505.3
130°	1996.6	1741.3	1720.6	1637.9	1555.2
132.5°	2027.0	1792.8	1772.1	1689.4	1606.7
135°	2060.3	1852.6	1833.8	1758.4	1683.1
137.5°	2110.2	1929.1	1910.4	1835.9	1761.3
140°	2140.6	1980.6	1963.5	1894.7	1826.1
142.5°	2166.1	2018.8	2002.9	1939.4	1875.9
145°	2199.3	2076.9	2063.1	2007.8	1952.4
147.5°	2248.1	2150.0	2136.5	2082.6	2028.7
150°	2273.5	2188.3	2176.1	2127.4	2078.6
152.5°	2290.2	2213.2	2203.9	2167.1	2130.1
155°	2326.7	2268.0	2261.2	2233.9	2206.6
157.5°	2363.2	2322.8	2316.2	2289.6	2263.1
160°	2379.9	2347.8	2342.6	2321.9	2301.3
162.5°	2397.6	2374.3	2370.4	2355.0	2339.4
165°	2423.1	2412.6	2409.1	2395.0	2381.0
167.5°	2443.1	2434.2	2432.5	2425.9	2419.3
170°	2459.7	2459.1	2457.5	2450.8	2444.1
172.5°	2460.7	2460.7	2460.4	2458.9	2457.5
175°	2470.8	2475.7	2475.7	2475.7	2475.7
177.5°	2471.8	2475.7	2475.7	2475.7	2475.7
180°	2475.7	2475.7	2475.7	2475.7	2475.7



TEST NUMBER: P935973
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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	10.29	11.01	11.40	12.11	13.62	13.14	13.86	14.25	14.96	16.47
	3H	10.76	11.40	11.87	12.51	14.04	14.48	15.12	15.60	16.23	17.76
	4H	10.94	11.55	12.06	12.66	14.20	14.93	15.53	16.05	16.64	18.18
	6H	11.05	11.61	12.18	12.72	14.27	15.21	15.77	16.34	16.88	18.43
	8H	11.05	11.58	12.18	12.71	14.25	15.28	15.81	16.41	16.94	18.48
	12H	11.02	11.52	12.15	12.64	14.21	15.32	15.82	16.46	16.94	18.51
4H	2H	11.31	11.92	12.44	13.03	14.57	13.53	14.14	14.66	15.25	16.79
	3H	12.32	12.83	13.46	13.97	15.52	15.03	15.54	16.17	16.67	18.22
	4H	12.59	13.06	13.73	14.18	15.75	15.56	16.02	16.70	17.15	18.72
	6H	12.71	13.11	13.86	14.26	15.82	15.92	16.32	17.07	17.47	19.03
	8H	12.71	13.09	13.86	14.22	15.80	16.03	16.40	17.17	17.54	19.12
	12H	12.67	13.01	13.83	14.16	15.74	16.08	16.42	17.24	17.57	19.15
8H	4H	13.04	13.41	14.18	14.55	16.13	15.67	16.04	16.81	17.18	18.76
	6H	13.30	13.60	14.46	14.78	16.36	16.11	16.41	17.27	17.59	19.17
	8H	13.34	13.60	14.51	14.76	16.36	16.26	16.53	17.43	17.69	19.28
	12H	13.31	13.55	14.49	14.71	16.34	16.36	16.59	17.53	17.75	19.38
12H	4H	13.04	13.38	14.20	14.53	16.11	15.63	15.96	16.79	17.11	18.70
	6H	13.36	13.62	14.53	14.78	16.38	16.10	16.37	17.27	17.53	19.12
	8H	13.42	13.65	14.59	14.81	16.44	16.26	16.50	17.43	17.65	19.28