

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: P935513

Luminaire Tested: SQ4-FA-125U-075D-835-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935513
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-835-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

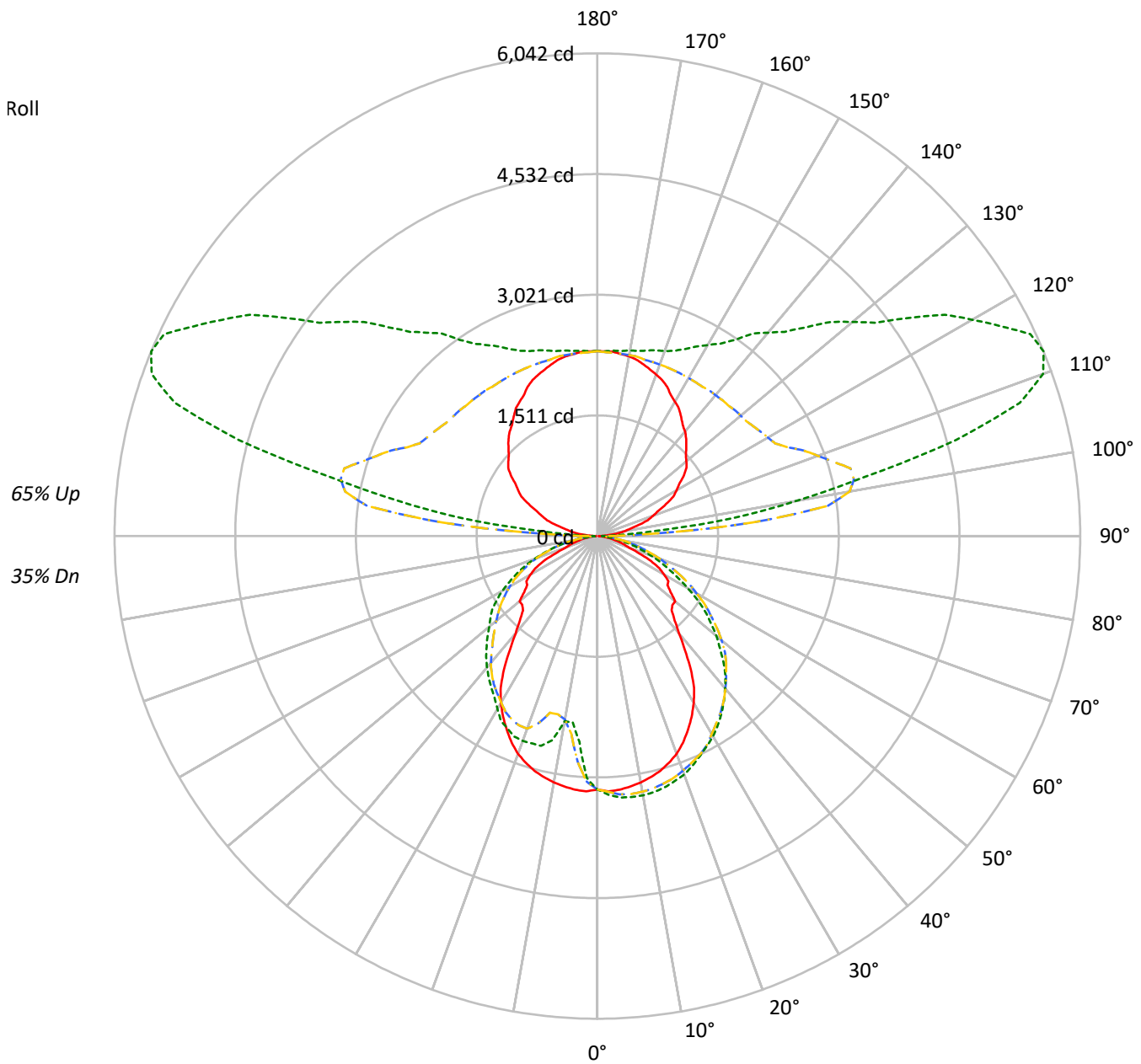
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23233.9 lumens
Efficiency: N/A
Efficacy: 139.3 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				20	
RC	80				70				50				30				10				0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35				35
1	95	90	87	83	85	82	79	76	66	64	62	51	50	49	38	37	36	30				30
2	86	79	73	68	78	72	66	62	58	54	51	45	43	41	33	32	30	25				25
3	78	69	62	56	71	63	57	52	51	47	43	40	37	34	29	28	26	21				21
4	72	61	54	48	65	56	49	44	45	40	36	35	32	29	26	24	22	18				18
5	66	54	46	41	59	50	43	38	40	35	31	32	28	25	24	21	19	16				16
6	60	49	41	35	54	44	37	32	36	31	27	29	25	22	21	19	17	14				14
7	56	44	36	31	50	40	33	28	33	28	24	26	22	19	20	17	15	12				12
8	52	40	32	27	47	36	30	25	30	25	21	24	20	17	18	15	13	11				11
9	48	36	29	24	43	33	27	22	27	22	19	22	18	15	16	14	12	10				10
10	45	33	26	21	41	30	24	20	25	20	17	20	16	14	15	13	11	9				9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9808	9808	9808	9808
5°	9885	9901	9885	7785
10°	9823	9753	9823	6973
15°	9720	9542	9720	7968
20°	9520	9292	9520	7984
25°	9108	8926	9108	7815
30°	8573	8623	8573	7443
35°	7647	8240	7647	7035
40°	6375	7788	6375	6727
45°	5700	7260	5700	6372
50°	6061	6630	6061	6016
55°	5708	5951	5708	5810
60°	5891	5054	5891	5321
65°	5350	4178	5350	4670
70°	3713	3330	3713	3915
75°	3268	2461	3268	2947
80°	2653	1627	2653	1772
85°	1555	862	1555	733

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8731 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.2	1.2
10°-20°	812.7	3.5
20°-30°	1256.3	5.4
30°-40°	1499.8	6.5
40°-50°	1508.6	6.5
50°-60°	1312.6	5.6
60°-70°	930.7	4.0
70°-80°	492.4	2.1
80°-90°	131.5	0.6
90°-100°	1128.1	4.9
100°-110°	2966.0	12.8
110°-120°	3075.4	13.2
120°-130°	2466.8	10.6
130°-140°	1935.6	8.3
140°-150°	1485.6	6.4
150°-160°	1069.9	4.6
160°-170°	654.6	2.8
170°-180°	221.2	1.0
0°-30°	2355.3	10.1
0°-40°	3855.1	16.6
0°-60°	6676.2	28.7
0°-90°	8230.7	35.4
90°-120°	7169.4	30.9
90°-150°	13057.5	56.2
90°-180°	15003.0	64.6
0°-180°	23233.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3171	3171	3171	3171	3171	
5°	3186	3285	3186	2583	3186	302
15°	3042	3255	3042	2718	3042	856
25°	2679	3036	2679	2658	2679	1230
35°	2037	2709	2037	2313	2037	1260
45°	1314	2232	1314	1959	1314	1053
55°	1071	1647	1071	1608	1071	984
65°	744	993	744	1110	744	711
75°	282	471	282	564	282	296
85°	48	120	48	102	48	65
90°	16	59	16	59	16	15
95°	149	682	149	682	149	166
105°	534	4644	534	4644	534	566
115°	949	5980	949	5980	949	937
125°	1320	4762	1320	4762	1320	1172
135°	1574	3695	1574	3695	1574	1217
145°	1825	2998	1825	2998	1825	1143
155°	2063	2582	2063	2582	2063	948
165°	2226	2404	2226	2404	2226	628
175°	2314	2330	2314	2330	2314	220
180°	2314	2314	2314	2314	2314	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1
2.5°	3198.1	3198.1	3216.1	3222.1	3222.1	3213.1	3204.1	3213.1	3240.1	3249.1	3246.1
5°	3186.1	3210.1	3243.1	3249.1	3255.1	3252.1	3246.1	3252.1	3282.1	3288.1	3291.1
7.5°	3162.1	3207.1	3249.1	3258.1	3267.1	3258.1	3255.1	3261.1	3291.1	3297.1	3297.1
10°	3132.1	3195.1	3243.1	3249.1	3258.1	3249.1	3249.1	3261.1	3291.1	3297.1	3300.1
12.5°	3090.1	3177.1	3222.1	3228.1	3240.1	3237.1	3234.1	3246.1	3276.1	3282.1	3282.1
15°	3042.1	3144.1	3186.1	3192.1	3213.1	3207.1	3207.1	3219.1	3252.1	3261.1	3258.1
17.5°	2976.1	3102.1	3150.1	3159.1	3174.1	3171.1	3174.1	3186.1	3216.1	3222.1	3225.1
20°	2901.1	3045.1	3102.1	3111.1	3126.1	3126.1	3126.1	3141.1	3171.1	3183.1	3183.1
22.5°	2799.1	2985.1	3045.1	3051.1	3069.1	3069.1	3075.1	3096.1	3123.1	3126.1	3126.1
25°	2679.1	2919.1	2970.1	2988.1	3006.1	3015.1	3024.1	3036.1	3045.1	3042.1	3045.1
27.5°	2553.0	2835.1	2901.1	2913.1	2937.1	2946.1	2958.1	2961.1	2964.1	2973.1	2967.1
30°	2412.0	2718.1	2817.1	2829.1	2868.1	2874.1	2862.1	2868.1	2883.1	2889.1	2895.1
32.5°	2253.0	2544.0	2730.1	2757.1	2793.1	2775.1	2772.1	2781.1	2805.1	2805.1	2811.1
35°	2037.0	2409.0	2649.1	2673.1	2700.1	2679.1	2691.1	2694.1	2709.1	2718.1	2715.1
37.5°	1800.0	2292.0	2565.0	2583.0	2604.0	2577.0	2595.0	2604.0	2616.0	2610.0	2610.0
40°	1590.0	2109.0	2466.0	2478.0	2496.0	2475.0	2493.0	2499.0	2505.0	2499.0	2496.0
42.5°	1434.0	1908.0	2361.0	2376.0	2364.0	2379.0	2385.0	2397.0	2388.0	2376.0	2376.0
45°	1314.0	1854.0	2247.0	2265.0	2247.0	2271.0	2280.0	2280.0	2253.0	2247.0	2244.0
47.5°	1275.0	1746.0	2133.0	2133.0	2124.0	2154.0	2169.0	2148.0	2121.0	2112.0	2112.0
50°	1272.0	1626.0	1977.0	1965.0	2007.0	2043.0	2028.0	2007.0	1986.0	1953.0	1953.0
52.5°	1155.0	1479.0	1776.0	1821.0	1887.0	1908.0	1884.0	1863.0	1827.0	1812.0	1800.0
55°	1071.0	1326.0	1593.0	1683.0	1752.0	1779.0	1734.0	1713.0	1659.0	1650.0	1644.0
57.5°	1053.0	1104.0	1425.0	1539.0	1623.0	1620.0	1593.0	1554.0	1509.0	1500.0	1497.0
60°	966.0	798.0	1245.0	1380.0	1467.0	1458.0	1434.0	1398.0	1356.0	1350.0	1344.0
62.5°	876.0	579.0	1041.0	1194.0	1317.0	1314.0	1293.0	1239.0	1209.0	1194.0	1182.0
65°	744.0	486.0	741.0	993.0	1170.0	1176.0	1131.0	1092.0	1059.0	1041.0	1038.0
67.5°	567.0	396.0	501.0	828.0	1029.0	1023.0	966.0	948.0	906.0	897.0	879.0
70°	420.0	264.0	348.0	672.0	891.0	876.0	831.0	810.0	771.0	750.0	738.0
72.5°	348.0	213.0	255.0	522.0	750.0	732.0	693.0	669.0	636.0	618.0	606.0
75°	282.0	225.0	195.0	387.0	609.0	597.0	561.0	537.0	510.0	486.0	489.0
77.5°	207.0	210.0	156.0	285.0	483.0	465.0	444.0	414.0	402.0	378.0	378.0
80°	156.0	165.0	117.0	195.0	348.0	348.0	330.0	309.0	288.0	276.0	276.0
82.5°	105.0	105.0	87.0	123.0	237.0	228.0	216.0	210.0	198.0	192.0	192.0
85°	48.0	60.0	54.0	75.0	129.0	135.0	135.0	129.0	126.0	120.0	123.0
87.5°	15.0	27.0	33.0	42.0	66.0	69.0	72.0	72.0	72.0	75.0	75.0
90°	15.5	27.9	40.4	43.5	68.3	101.4	118.0	104.9	78.7	59.0	59.0
92.5°	62.1	167.7	273.4	299.8	421.5	583.7	664.8	582.6	418.3	295.1	283.4
95°	149.1	342.4	535.7	584.0	1037.0	1641.1	1943.1	1733.9	1315.6	1001.9	966.3
97.5°	257.8	428.3	598.9	641.5	1396.9	2404.1	2907.7	2775.5	2511.1	2312.8	2245.1
100°	341.7	496.4	651.0	689.7	1527.9	2645.6	3204.4	3214.1	3233.4	3247.9	3167.3
102.5°	413.2	557.5	701.7	737.8	1588.0	2721.5	3288.3	3456.7	3793.6	4046.3	3977.3
105°	534.3	656.5	778.7	809.3	1632.5	2730.1	3278.9	3656.5	4411.8	4978.2	4941.1
107.5°	658.6	772.5	886.4	914.9	1640.8	2608.7	3092.6	3619.3	4672.7	5462.8	5471.8
110°	742.5	845.3	948.2	973.9	1628.3	2500.9	2937.2	3526.1	4703.8	5587.1	5625.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	824.8	922.8	1020.8	1045.3	1628.8	2406.9	2795.9	3398.6	4603.9	5507.9	5567.3
115°	949.0	1039.4	1129.9	1152.5	1643.9	2299.0	2626.6	3207.2	4368.3	5239.2	5321.5
117.5°	1071.8	1153.9	1236.1	1256.6	1674.4	2231.5	2510.1	3034.1	4082.0	4867.9	4959.2
120°	1143.2	1220.5	1297.9	1317.2	1699.3	2208.8	2463.5	2942.3	3899.8	4617.9	4706.6
122.5°	1213.1	1291.1	1369.1	1388.6	1735.0	2196.9	2427.8	2858.9	3721.1	4367.8	4455.3
125°	1320.3	1391.4	1462.5	1480.3	1783.2	2187.0	2388.9	2755.1	3487.6	4036.9	4117.5
127.5°	1407.3	1479.1	1550.9	1568.8	1831.3	2181.3	2356.3	2670.7	3299.6	3771.3	3839.3
130°	1453.9	1531.2	1608.5	1627.8	1866.5	2184.8	2343.9	2623.8	3183.7	3603.6	3666.4
132.5°	1502.0	1579.3	1656.7	1676.0	1895.0	2187.0	2333.0	2583.6	3084.8	3460.7	3517.0
135°	1573.5	1643.9	1714.3	1731.9	1926.1	2185.0	2314.4	2524.3	2944.0	3258.8	3307.3
137.5°	1646.5	1716.2	1785.9	1803.3	1972.6	2198.4	2311.3	2488.7	2843.5	3109.6	3149.3
140°	1707.0	1771.2	1835.4	1851.5	2001.1	2200.6	2300.4	2453.6	2760.1	2990.0	3027.1
142.5°	1753.6	1813.0	1872.4	1887.2	2024.9	2208.6	2300.4	2435.0	2704.3	2906.2	2938.1
145°	1825.1	1876.9	1928.7	1941.6	2056.0	2208.6	2284.9	2395.0	2615.2	2780.3	2804.5
147.5°	1896.5	1946.9	1997.3	2009.9	2101.6	2223.8	2284.9	2371.5	2544.8	2674.7	2694.7
150°	1943.1	1988.7	2034.3	2045.7	2125.4	2231.7	2284.9	2358.1	2504.4	2614.1	2630.3
152.5°	1991.3	2025.8	2060.4	2069.0	2141.0	2236.9	2284.9	2347.4	2472.3	2566.0	2578.3
155°	2062.7	2088.3	2113.8	2120.2	2175.1	2248.3	2284.9	2334.6	2434.0	2508.5	2516.6
157.5°	2115.6	2140.4	2165.3	2171.5	2209.3	2259.7	2284.9	2323.5	2400.8	2458.8	2464.5
160°	2151.3	2170.6	2190.0	2194.8	2224.8	2264.9	2284.9	2318.0	2384.3	2434.0	2437.3
162.5°	2187.0	2201.5	2216.0	2219.6	2241.4	2270.4	2284.9	2312.9	2368.8	2410.7	2413.8
165°	2225.8	2238.9	2252.0	2255.3	2265.2	2278.3	2284.9	2304.9	2344.9	2374.9	2378.2
167.5°	2261.6	2267.8	2274.0	2275.5	2283.8	2294.9	2300.4	2313.5	2339.7	2359.4	2360.8
170°	2284.9	2291.1	2297.3	2298.8	2299.3	2300.0	2300.4	2313.5	2339.7	2359.4	2359.4
172.5°	2297.3	2298.7	2300.1	2300.4	2300.4	2300.4	2300.4	2310.8	2331.5	2347.0	2345.8
175°	2314.4	2314.4	2314.4	2314.4	2309.7	2303.5	2300.4	2307.0	2320.1	2329.9	2329.9
177.5°	2314.4	2314.4	2314.4	2314.4	2310.8	2305.9	2303.5	2308.7	2319.0	2326.8	2325.4
180°	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1
2.5°	3252.1	3243.1	3252.1	3246.1	3249.1	3240.1	3213.1	3204.1	3213.1	3222.1	3222.1
5°	3291.1	3285.1	3291.1	3291.1	3288.1	3282.1	3252.1	3246.1	3252.1	3255.1	3249.1
7.5°	3303.1	3294.1	3303.1	3297.1	3297.1	3291.1	3261.1	3255.1	3258.1	3267.1	3258.1
10°	3303.1	3294.1	3303.1	3300.1	3297.1	3291.1	3261.1	3249.1	3249.1	3258.1	3249.1
12.5°	3288.1	3282.1	3288.1	3282.1	3282.1	3276.1	3246.1	3234.1	3237.1	3240.1	3228.1
15°	3264.1	3255.1	3264.1	3258.1	3261.1	3252.1	3219.1	3207.1	3207.1	3213.1	3192.1
17.5°	3228.1	3216.1	3228.1	3225.1	3222.1	3216.1	3186.1	3174.1	3171.1	3174.1	3159.1
20°	3186.1	3177.1	3186.1	3183.1	3183.1	3171.1	3141.1	3126.1	3126.1	3126.1	3111.1
22.5°	3120.1	3111.1	3120.1	3126.1	3126.1	3123.1	3096.1	3075.1	3069.1	3069.1	3051.1
25°	3045.1	3036.1	3045.1	3045.1	3042.1	3045.1	3036.1	3024.1	3015.1	3006.1	2988.1
27.5°	2973.1	2967.1	2973.1	2967.1	2973.1	2964.1	2961.1	2958.1	2946.1	2937.1	2913.1
30°	2901.1	2895.1	2901.1	2895.1	2889.1	2883.1	2868.1	2862.1	2874.1	2868.1	2829.1
32.5°	2811.1	2805.1	2811.1	2811.1	2805.1	2805.1	2781.1	2772.1	2775.1	2793.1	2757.1
35°	2718.1	2709.1	2718.1	2715.1	2718.1	2709.1	2694.1	2691.1	2679.1	2700.1	2673.1
37.5°	2610.0	2601.0	2610.0	2610.0	2610.0	2616.0	2604.0	2595.0	2577.0	2604.0	2583.0
40°	2499.0	2487.0	2499.0	2496.0	2499.0	2505.0	2499.0	2493.0	2475.0	2496.0	2478.0
42.5°	2373.0	2370.0	2373.0	2376.0	2376.0	2388.0	2397.0	2385.0	2379.0	2364.0	2376.0
45°	2238.0	2232.0	2238.0	2244.0	2247.0	2253.0	2280.0	2280.0	2271.0	2247.0	2265.0
47.5°	2094.0	2079.0	2094.0	2112.0	2112.0	2121.0	2148.0	2169.0	2154.0	2124.0	2133.0
50°	1941.0	1944.0	1941.0	1953.0	1953.0	1986.0	2007.0	2028.0	2043.0	2007.0	1965.0
52.5°	1791.0	1788.0	1791.0	1800.0	1812.0	1827.0	1863.0	1884.0	1908.0	1887.0	1821.0
55°	1641.0	1647.0	1641.0	1644.0	1650.0	1659.0	1713.0	1734.0	1779.0	1752.0	1683.0
57.5°	1491.0	1482.0	1491.0	1497.0	1500.0	1509.0	1554.0	1593.0	1620.0	1623.0	1539.0
60°	1317.0	1305.0	1317.0	1344.0	1350.0	1356.0	1398.0	1434.0	1458.0	1467.0	1380.0
62.5°	1164.0	1143.0	1164.0	1182.0	1194.0	1209.0	1239.0	1293.0	1314.0	1317.0	1194.0
65°	1002.0	993.0	1002.0	1038.0	1041.0	1059.0	1092.0	1131.0	1176.0	1170.0	993.0
67.5°	855.0	855.0	855.0	879.0	897.0	906.0	948.0	966.0	1023.0	1029.0	828.0
70°	720.0	717.0	720.0	738.0	750.0	771.0	810.0	831.0	876.0	891.0	672.0
72.5°	591.0	588.0	591.0	606.0	618.0	636.0	669.0	693.0	732.0	750.0	522.0
75°	477.0	471.0	477.0	489.0	486.0	510.0	537.0	561.0	597.0	609.0	387.0
77.5°	366.0	366.0	366.0	378.0	378.0	402.0	414.0	444.0	465.0	483.0	285.0
80°	273.0	270.0	273.0	276.0	276.0	288.0	309.0	330.0	348.0	348.0	195.0
82.5°	192.0	186.0	192.0	192.0	192.0	198.0	210.0	216.0	228.0	237.0	123.0
85°	120.0	120.0	120.0	123.0	120.0	126.0	129.0	135.0	135.0	129.0	75.0
87.5°	78.0	75.0	78.0	75.0	75.0	72.0	72.0	72.0	69.0	66.0	42.0
90°	59.0	59.0	59.0	59.0	59.0	78.7	104.9	118.0	101.4	68.3	43.5
92.5°	236.4	189.5	236.4	283.4	295.1	418.3	582.6	664.8	583.7	421.5	299.8
95°	824.1	681.9	824.1	966.3	1001.9	1315.6	1733.9	1943.1	1641.1	1037.0	584.0
97.5°	1974.5	1703.9	1974.5	2245.1	2312.8	2511.1	2775.5	2907.7	2404.1	1396.9	641.5
100°	2844.9	2522.5	2844.9	3167.3	3247.9	3233.4	3214.1	3204.4	2645.6	1527.9	689.7
102.5°	3701.1	3425.0	3701.1	3977.3	4046.3	3793.6	3456.7	3288.3	2721.5	1588.0	737.8
105°	4792.7	4644.3	4792.7	4941.1	4978.2	4411.8	3656.5	3278.9	2730.1	1632.5	809.3
107.5°	5507.7	5543.6	5507.7	5471.8	5462.8	4672.7	3619.3	3092.6	2608.7	1640.8	914.9
110°	5780.4	5935.0	5780.4	5625.8	5587.1	4703.8	3526.1	2937.2	2500.9	1628.3	973.9



TEST NUMBER: P935513

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5804.7	6042.2	5804.7	5567.3	5507.9	4603.9	3398.6	2795.9	2406.9	1628.8	1045.3
115°	5650.8	5980.1	5650.8	5321.5	5239.2	4368.3	3207.2	2626.6	2299.0	1643.9	1152.5
117.5°	5324.4	5689.6	5324.4	4959.2	4867.9	4082.0	3034.1	2510.1	2231.5	1674.4	1256.6
120°	5061.4	5416.2	5061.4	4706.6	4617.9	3899.8	2942.3	2463.5	2208.8	1699.3	1317.2
122.5°	4805.3	5155.3	4805.3	4455.3	4367.8	3721.1	2858.9	2427.8	2196.9	1735.0	1388.6
125°	4439.9	4762.3	4439.9	4117.5	4036.9	3487.6	2755.1	2388.9	2187.0	1783.2	1480.3
127.5°	4111.3	4383.3	4111.3	3839.3	3771.3	3299.6	2670.7	2356.3	2181.3	1831.3	1568.8
130°	3917.7	4169.0	3917.7	3666.4	3603.6	3183.7	2623.8	2343.9	2184.8	1866.5	1627.8
132.5°	3742.0	3967.0	3742.0	3517.0	3460.7	3084.8	2583.6	2333.0	2187.0	1895.0	1676.0
135°	3501.2	3695.2	3501.2	3307.3	3258.8	2944.0	2524.3	2314.4	2185.0	1926.1	1731.9
137.5°	3308.1	3466.9	3308.1	3149.3	3109.6	2843.5	2488.7	2311.3	2198.4	1972.6	1803.3
140°	3175.6	3324.0	3175.6	3027.1	2990.0	2760.1	2453.6	2300.4	2200.6	2001.1	1851.5
142.5°	3065.8	3193.5	3065.8	2938.1	2906.2	2704.3	2435.0	2300.4	2208.6	2024.9	1887.2
145°	2901.1	2997.8	2901.1	2804.5	2780.3	2615.2	2395.0	2284.9	2208.6	2056.0	1941.6
147.5°	2774.8	2854.9	2774.8	2694.7	2674.7	2544.8	2371.5	2284.9	2223.8	2101.6	2009.9
150°	2695.3	2760.2	2695.3	2630.3	2614.1	2504.4	2358.1	2284.9	2231.7	2125.4	2045.7
152.5°	2627.3	2676.3	2627.3	2578.3	2566.0	2472.3	2347.4	2284.9	2236.9	2141.0	2069.0
155°	2549.1	2581.5	2549.1	2516.6	2508.5	2434.0	2334.6	2284.9	2248.3	2175.1	2120.2
157.5°	2487.3	2510.1	2487.3	2464.5	2458.8	2400.8	2323.5	2284.9	2259.7	2209.3	2171.5
160°	2450.4	2463.5	2450.4	2437.3	2434.0	2384.3	2318.0	2284.9	2264.9	2224.8	2194.8
162.5°	2426.2	2438.6	2426.2	2413.8	2410.7	2368.8	2312.9	2284.9	2270.4	2241.4	2219.6
165°	2391.3	2404.5	2391.3	2378.2	2374.9	2344.9	2304.9	2284.9	2278.3	2265.2	2255.3
167.5°	2366.3	2371.8	2366.3	2360.8	2359.4	2339.7	2313.5	2300.4	2294.9	2283.8	2275.5
170°	2359.4	2359.4	2359.4	2359.4	2359.4	2339.7	2313.5	2300.4	2300.0	2299.3	2298.8
172.5°	2340.9	2336.1	2340.9	2345.8	2347.0	2331.5	2310.8	2300.4	2300.4	2300.4	2300.4
175°	2329.9	2329.9	2329.9	2329.9	2329.9	2320.1	2307.0	2300.4	2303.5	2309.7	2314.4
177.5°	2319.9	2314.4	2319.9	2325.4	2326.8	2319.0	2308.7	2303.5	2305.9	2310.8	2314.4
180°	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1
2.5°	3216.1	3198.1	3198.1	3168.1	3156.1	3147.1	3132.1	3087.1	3075.1	3063.1	3081.1
5°	3243.1	3210.1	3186.1	3132.1	3087.1	3069.1	3012.1	2904.1	2832.1	2778.1	2748.1
7.5°	3249.1	3207.1	3162.1	3078.1	2970.1	2922.1	2748.1	2550.0	2496.0	2448.0	2418.0
10°	3243.1	3195.1	3132.1	3006.1	2751.1	2667.1	2493.0	2364.0	2331.0	2322.0	2331.0
12.5°	3222.1	3177.1	3090.1	2880.1	2523.0	2466.0	2364.0	2289.0	2283.0	2298.0	2379.0
15°	3186.1	3144.1	3042.1	2712.1	2397.0	2355.0	2283.0	2256.0	2289.0	2394.0	2637.0
17.5°	3150.1	3102.1	2976.1	2547.0	2301.0	2271.0	2220.0	2274.0	2460.0	2601.0	2682.1
20°	3102.1	3045.1	2901.1	2427.0	2232.0	2205.0	2181.0	2424.0	2565.0	2616.0	2661.1
22.5°	3045.1	2985.1	2799.1	2343.0	2160.0	2139.0	2154.0	2508.0	2565.0	2601.0	2640.0
25°	2970.1	2919.1	2679.1	2277.0	2103.0	2079.0	2136.0	2499.0	2532.0	2541.0	2619.0
27.5°	2901.1	2835.1	2553.0	2217.0	2034.0	2025.0	2151.0	2460.0	2484.0	2493.0	2577.0
30°	2817.1	2718.1	2412.0	2154.0	1962.0	1959.0	2154.0	2412.0	2406.0	2430.0	2514.0
32.5°	2730.1	2544.0	2253.0	2076.0	1893.0	1890.0	2133.0	2340.0	2334.0	2367.0	2430.0
35°	2649.1	2409.0	2037.0	1986.0	1806.0	1809.0	2082.0	2256.0	2259.0	2289.0	2328.0
37.5°	2565.0	2292.0	1800.0	1887.0	1722.0	1722.0	2013.0	2178.0	2172.0	2181.0	2235.0
40°	2466.0	2109.0	1590.0	1758.0	1644.0	1635.0	1929.0	2094.0	2073.0	2070.0	2145.0
42.5°	2361.0	1908.0	1434.0	1587.0	1554.0	1542.0	1827.0	1992.0	1953.0	1962.0	2058.0
45°	2247.0	1854.0	1314.0	1341.0	1461.0	1452.0	1716.0	1875.0	1848.0	1872.0	1971.0
47.5°	2133.0	1746.0	1275.0	1113.0	1362.0	1359.0	1593.0	1761.0	1746.0	1770.0	1875.0
50°	1977.0	1626.0	1272.0	954.0	1251.0	1263.0	1446.0	1650.0	1650.0	1671.0	1782.0
52.5°	1776.0	1479.0	1155.0	864.0	1122.0	1158.0	1317.0	1554.0	1560.0	1581.0	1680.0
55°	1593.0	1326.0	1071.0	795.0	969.0	1047.0	1191.0	1455.0	1467.0	1488.0	1578.0
57.5°	1425.0	1104.0	1053.0	714.0	828.0	903.0	1080.0	1359.0	1365.0	1383.0	1470.0
60°	1245.0	798.0	966.0	627.0	705.0	762.0	978.0	1245.0	1266.0	1278.0	1353.0
62.5°	1041.0	579.0	876.0	567.0	645.0	657.0	894.0	1137.0	1164.0	1173.0	1218.0
65°	741.0	486.0	744.0	516.0	582.0	585.0	804.0	1026.0	1050.0	1065.0	1098.0
67.5°	501.0	396.0	567.0	468.0	534.0	537.0	717.0	897.0	930.0	942.0	963.0
70°	348.0	264.0	420.0	417.0	480.0	486.0	624.0	780.0	810.0	819.0	831.0
72.5°	255.0	213.0	348.0	375.0	423.0	429.0	528.0	648.0	678.0	687.0	693.0
75°	195.0	225.0	282.0	327.0	360.0	363.0	432.0	528.0	549.0	555.0	558.0
77.5°	156.0	210.0	207.0	264.0	294.0	288.0	339.0	408.0	426.0	426.0	426.0
80°	117.0	165.0	156.0	189.0	216.0	210.0	243.0	291.0	297.0	303.0	300.0
82.5°	87.0	105.0	105.0	120.0	144.0	138.0	162.0	189.0	189.0	189.0	195.0
85°	54.0	60.0	48.0	63.0	81.0	78.0	90.0	102.0	105.0	105.0	99.0
87.5°	33.0	27.0	15.0	24.0	36.0	36.0	42.0	45.0	42.0	42.0	42.0
90°	40.4	27.9	15.5	27.9	40.4	43.5	68.3	101.4	118.0	104.9	78.7
92.5°	273.4	167.7	62.1	167.7	273.4	299.8	421.5	583.7	664.8	582.6	418.3
95°	535.7	342.4	149.1	342.4	535.7	584.0	1037.0	1641.1	1943.1	1733.9	1315.6
97.5°	598.9	428.3	257.8	428.3	598.9	641.5	1396.9	2404.1	2907.7	2775.5	2511.1
100°	651.0	496.4	341.7	496.4	651.0	689.7	1527.9	2645.6	3204.4	3214.1	3233.4
102.5°	701.7	557.5	413.2	557.5	701.7	737.8	1588.0	2721.5	3288.3	3456.7	3793.6
105°	778.7	656.5	534.3	656.5	778.7	809.3	1632.5	2730.1	3278.9	3656.5	4411.8
107.5°	886.4	772.5	658.6	772.5	886.4	914.9	1640.8	2608.7	3092.6	3619.3	4672.7
110°	948.2	845.3	742.5	845.3	948.2	973.9	1628.3	2500.9	2937.2	3526.1	4703.8



TEST NUMBER: P935513

CATALOG NUMBER: SQ4-FA-125U-075D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1020.8	922.8	824.8	922.8	1020.8	1045.3	1628.8	2406.9	2795.9	3398.6	4603.9
115°	1129.9	1039.4	949.0	1039.4	1129.9	1152.5	1643.9	2299.0	2626.6	3207.2	4368.3
117.5°	1236.1	1153.9	1071.8	1153.9	1236.1	1256.6	1674.4	2231.5	2510.1	3034.1	4082.0
120°	1297.9	1220.5	1143.2	1220.5	1297.9	1317.2	1699.3	2208.8	2463.5	2942.3	3899.8
122.5°	1369.1	1291.1	1213.1	1291.1	1369.1	1388.6	1735.0	2196.9	2427.8	2858.9	3721.1
125°	1462.5	1391.4	1320.3	1391.4	1462.5	1480.3	1783.2	2187.0	2388.9	2755.1	3487.6
127.5°	1550.9	1479.1	1407.3	1479.1	1550.9	1568.8	1831.3	2181.3	2356.3	2670.7	3299.6
130°	1608.5	1531.2	1453.9	1531.2	1608.5	1627.8	1866.5	2184.8	2343.9	2623.8	3183.7
132.5°	1656.7	1579.3	1502.0	1579.3	1656.7	1676.0	1895.0	2187.0	2333.0	2583.6	3084.8
135°	1714.3	1643.9	1573.5	1643.9	1714.3	1731.9	1926.1	2185.0	2314.4	2524.3	2944.0
137.5°	1785.9	1716.2	1646.5	1716.2	1785.9	1803.3	1972.6	2198.4	2311.3	2488.7	2843.5
140°	1835.4	1771.2	1707.0	1771.2	1835.4	1851.5	2001.1	2200.6	2300.4	2453.6	2760.1
142.5°	1872.4	1813.0	1753.6	1813.0	1872.4	1887.2	2024.9	2208.6	2300.4	2435.0	2704.3
145°	1928.7	1876.9	1825.1	1876.9	1928.7	1941.6	2056.0	2208.6	2284.9	2395.0	2615.2
147.5°	1997.3	1946.9	1896.5	1946.9	1997.3	2009.9	2101.6	2223.8	2284.9	2371.5	2544.8
150°	2034.3	1988.7	1943.1	1988.7	2034.3	2045.7	2125.4	2231.7	2284.9	2358.1	2504.4
152.5°	2060.4	2025.8	1991.3	2025.8	2060.4	2069.0	2141.0	2236.9	2284.9	2347.4	2472.3
155°	2113.8	2088.3	2062.7	2088.3	2113.8	2120.2	2175.1	2248.3	2284.9	2334.6	2434.0
157.5°	2165.3	2140.4	2115.6	2140.4	2165.3	2171.5	2209.3	2259.7	2284.9	2323.5	2400.8
160°	2190.0	2170.6	2151.3	2170.6	2190.0	2194.8	2224.8	2264.9	2284.9	2318.0	2384.3
162.5°	2216.0	2201.5	2187.0	2201.5	2216.0	2219.6	2241.4	2270.4	2284.9	2312.9	2368.8
165°	2252.0	2238.9	2225.8	2238.9	2252.0	2255.3	2265.2	2278.3	2284.9	2304.9	2344.9
167.5°	2274.0	2267.8	2261.6	2267.8	2274.0	2275.5	2283.8	2294.9	2300.4	2313.5	2339.7
170°	2297.3	2291.1	2284.9	2291.1	2297.3	2298.8	2299.3	2300.0	2300.4	2313.5	2339.7
172.5°	2300.1	2298.7	2297.3	2298.7	2300.1	2300.4	2300.4	2300.4	2300.4	2310.8	2331.5
175°	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2309.7	2303.5	2300.4	2307.0	2320.1
177.5°	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2310.8	2305.9	2303.5	2308.7	2319.0
180°	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4



TEST NUMBER: P935513
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1
2.5°	3060.1	3051.1	3063.1	3030.1	3063.1	3051.1	3060.1	3081.1	3063.1	3075.1	3087.1
5°	2685.1	2670.1	2622.0	2583.0	2622.0	2670.1	2685.1	2748.1	2778.1	2832.1	2904.1
7.5°	2400.0	2388.0	2376.0	2352.0	2376.0	2388.0	2400.0	2418.0	2448.0	2496.0	2550.0
10°	2337.0	2340.0	2358.0	2355.0	2358.0	2340.0	2337.0	2331.0	2322.0	2331.0	2364.0
12.5°	2499.0	2526.0	2625.0	2619.0	2625.0	2526.0	2499.0	2379.0	2298.0	2283.0	2289.0
15°	2685.1	2694.1	2715.1	2718.1	2715.1	2694.1	2685.1	2637.0	2394.0	2289.0	2256.0
17.5°	2703.1	2706.1	2721.1	2721.1	2721.1	2706.1	2703.1	2682.1	2601.0	2460.0	2274.0
20°	2688.1	2694.1	2724.1	2730.1	2724.1	2694.1	2688.1	2661.1	2616.0	2565.0	2424.0
22.5°	2682.1	2694.1	2718.1	2715.1	2718.1	2694.1	2682.1	2640.0	2601.0	2565.0	2508.0
25°	2652.1	2652.1	2655.1	2658.1	2655.1	2652.1	2652.1	2619.0	2541.0	2532.0	2499.0
27.5°	2589.0	2595.0	2613.0	2610.0	2613.0	2595.0	2589.0	2577.0	2493.0	2484.0	2460.0
30°	2532.0	2526.0	2511.0	2499.0	2511.0	2526.0	2532.0	2514.0	2430.0	2406.0	2412.0
32.5°	2436.0	2421.0	2406.0	2397.0	2406.0	2421.0	2436.0	2430.0	2367.0	2334.0	2340.0
35°	2322.0	2325.0	2322.0	2313.0	2322.0	2325.0	2322.0	2328.0	2289.0	2259.0	2256.0
37.5°	2241.0	2247.0	2244.0	2232.0	2244.0	2247.0	2241.0	2235.0	2181.0	2172.0	2178.0
40°	2157.0	2160.0	2157.0	2148.0	2157.0	2160.0	2157.0	2145.0	2070.0	2073.0	2094.0
42.5°	2076.0	2073.0	2064.0	2058.0	2064.0	2073.0	2076.0	2058.0	1962.0	1953.0	1992.0
45°	1983.0	1986.0	1968.0	1959.0	1968.0	1986.0	1983.0	1971.0	1872.0	1848.0	1875.0
47.5°	1890.0	1890.0	1875.0	1866.0	1875.0	1890.0	1890.0	1875.0	1770.0	1746.0	1761.0
50°	1791.0	1788.0	1767.0	1764.0	1767.0	1788.0	1791.0	1782.0	1671.0	1650.0	1650.0
52.5°	1677.0	1677.0	1680.0	1686.0	1680.0	1677.0	1677.0	1680.0	1581.0	1560.0	1554.0
55°	1578.0	1581.0	1602.0	1608.0	1602.0	1581.0	1578.0	1578.0	1488.0	1467.0	1455.0
57.5°	1476.0	1476.0	1491.0	1491.0	1491.0	1476.0	1476.0	1470.0	1383.0	1365.0	1359.0
60°	1359.0	1365.0	1377.0	1374.0	1377.0	1365.0	1359.0	1353.0	1278.0	1266.0	1245.0
62.5°	1236.0	1242.0	1245.0	1239.0	1245.0	1242.0	1236.0	1218.0	1173.0	1164.0	1137.0
65°	1107.0	1113.0	1116.0	1110.0	1116.0	1113.0	1107.0	1098.0	1065.0	1050.0	1026.0
67.5°	975.0	972.0	969.0	981.0	969.0	972.0	975.0	963.0	942.0	930.0	897.0
70°	840.0	840.0	837.0	843.0	837.0	840.0	840.0	831.0	819.0	810.0	780.0
72.5°	696.0	693.0	705.0	696.0	705.0	693.0	696.0	693.0	687.0	678.0	648.0
75°	555.0	561.0	555.0	564.0	555.0	561.0	555.0	558.0	555.0	549.0	528.0
77.5°	423.0	429.0	423.0	423.0	423.0	429.0	423.0	426.0	426.0	426.0	408.0
80°	300.0	297.0	297.0	294.0	297.0	297.0	300.0	300.0	303.0	297.0	291.0
82.5°	192.0	189.0	189.0	195.0	189.0	189.0	192.0	195.0	189.0	189.0	189.0
85°	105.0	108.0	102.0	102.0	102.0	108.0	105.0	99.0	105.0	105.0	102.0
87.5°	39.0	36.0	36.0	36.0	36.0	36.0	39.0	42.0	42.0	42.0	45.0
90°	59.0	59.0	59.0	59.0	59.0	59.0	59.0	78.7	104.9	118.0	101.4
92.5°	295.1	283.4	236.4	189.5	236.4	283.4	295.1	418.3	582.6	664.8	583.7
95°	1001.9	966.3	824.1	681.9	824.1	966.3	1001.9	1315.6	1733.9	1943.1	1641.1
97.5°	2312.8	2245.1	1974.5	1703.9	1974.5	2245.1	2312.8	2511.1	2775.5	2907.7	2404.1
100°	3247.9	3167.3	2844.9	2522.5	2844.9	3167.3	3247.9	3233.4	3214.1	3204.4	2645.6
102.5°	4046.3	3977.3	3701.1	3425.0	3701.1	3977.3	4046.3	3793.6	3456.7	3288.3	2721.5
105°	4978.2	4941.1	4792.7	4644.3	4792.7	4941.1	4978.2	4411.8	3656.5	3278.9	2730.1
107.5°	5462.8	5471.8	5507.7	5543.6	5507.7	5471.8	5462.8	4672.7	3619.3	3092.6	2608.7
110°	5587.1	5625.8	5780.4	5935.0	5780.4	5625.8	5587.1	4703.8	3526.1	2937.2	2500.9



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5507.9	5567.3	5804.7	6042.2	5804.7	5567.3	5507.9	4603.9	3398.6	2795.9	2406.9
115°	5239.2	5321.5	5650.8	5980.1	5650.8	5321.5	5239.2	4368.3	3207.2	2626.6	2299.0
117.5°	4867.9	4959.2	5324.4	5689.6	5324.4	4959.2	4867.9	4082.0	3034.1	2510.1	2231.5
120°	4617.9	4706.6	5061.4	5416.2	5061.4	4706.6	4617.9	3899.8	2942.3	2463.5	2208.8
122.5°	4367.8	4455.3	4805.3	5155.3	4805.3	4455.3	4367.8	3721.1	2858.9	2427.8	2196.9
125°	4036.9	4117.5	4439.9	4762.3	4439.9	4117.5	4036.9	3487.6	2755.1	2388.9	2187.0
127.5°	3771.3	3839.3	4111.3	4383.3	4111.3	3839.3	3771.3	3299.6	2670.7	2356.3	2181.3
130°	3603.6	3666.4	3917.7	4169.0	3917.7	3666.4	3603.6	3183.7	2623.8	2343.9	2184.8
132.5°	3460.7	3517.0	3742.0	3967.0	3742.0	3517.0	3460.7	3084.8	2583.6	2333.0	2187.0
135°	3258.8	3307.3	3501.2	3695.2	3501.2	3307.3	3258.8	2944.0	2524.3	2314.4	2185.0
137.5°	3109.6	3149.3	3308.1	3466.9	3308.1	3149.3	3109.6	2843.5	2488.7	2311.3	2198.4
140°	2990.0	3027.1	3175.6	3324.0	3175.6	3027.1	2990.0	2760.1	2453.6	2300.4	2200.6
142.5°	2906.2	2938.1	3065.8	3193.5	3065.8	2938.1	2906.2	2704.3	2435.0	2300.4	2208.6
145°	2780.3	2804.5	2901.1	2997.8	2901.1	2804.5	2780.3	2615.2	2395.0	2284.9	2208.6
147.5°	2674.7	2694.7	2774.8	2854.9	2774.8	2694.7	2674.7	2544.8	2371.5	2284.9	2223.8
150°	2614.1	2630.3	2695.3	2760.2	2695.3	2630.3	2614.1	2504.4	2358.1	2284.9	2231.7
152.5°	2566.0	2578.3	2627.3	2676.3	2627.3	2578.3	2566.0	2472.3	2347.4	2284.9	2236.9
155°	2508.5	2516.6	2549.1	2581.5	2549.1	2516.6	2508.5	2434.0	2334.6	2284.9	2248.3
157.5°	2458.8	2464.5	2487.3	2510.1	2487.3	2464.5	2458.8	2400.8	2323.5	2284.9	2259.7
160°	2434.0	2437.3	2450.4	2463.5	2450.4	2437.3	2434.0	2384.3	2318.0	2284.9	2264.9
162.5°	2410.7	2413.8	2426.2	2438.6	2426.2	2413.8	2410.7	2368.8	2312.9	2284.9	2270.4
165°	2374.9	2378.2	2391.3	2404.5	2391.3	2378.2	2374.9	2344.9	2304.9	2284.9	2278.3
167.5°	2359.4	2360.8	2366.3	2371.8	2366.3	2360.8	2359.4	2339.7	2313.5	2300.4	2294.9
170°	2359.4	2359.4	2359.4	2359.4	2359.4	2359.4	2359.4	2339.7	2313.5	2300.4	2300.0
172.5°	2347.0	2345.8	2340.9	2336.1	2340.9	2345.8	2347.0	2331.5	2310.8	2300.4	2300.4
175°	2329.9	2329.9	2329.9	2329.9	2329.9	2329.9	2329.9	2320.1	2307.0	2300.4	2303.5
177.5°	2326.8	2325.4	2319.9	2314.4	2319.9	2325.4	2326.8	2319.0	2308.7	2303.5	2305.9
180°	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4	2314.4



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3171.1	3171.1	3171.1	3171.1	3171.1
2.5°	3132.1	3147.1	3156.1	3168.1	3198.1
5°	3012.1	3069.1	3087.1	3132.1	3186.1
7.5°	2748.1	2922.1	2970.1	3078.1	3162.1
10°	2493.0	2667.1	2751.1	3006.1	3132.1
12.5°	2364.0	2466.0	2523.0	2880.1	3090.1
15°	2283.0	2355.0	2397.0	2712.1	3042.1
17.5°	2220.0	2271.0	2301.0	2547.0	2976.1
20°	2181.0	2205.0	2232.0	2427.0	2901.1
22.5°	2154.0	2139.0	2160.0	2343.0	2799.1
25°	2136.0	2079.0	2103.0	2277.0	2679.1
27.5°	2151.0	2025.0	2034.0	2217.0	2553.0
30°	2154.0	1959.0	1962.0	2154.0	2412.0
32.5°	2133.0	1890.0	1893.0	2076.0	2253.0
35°	2082.0	1809.0	1806.0	1986.0	2037.0
37.5°	2013.0	1722.0	1722.0	1887.0	1800.0
40°	1929.0	1635.0	1644.0	1758.0	1590.0
42.5°	1827.0	1542.0	1554.0	1587.0	1434.0
45°	1716.0	1452.0	1461.0	1341.0	1314.0
47.5°	1593.0	1359.0	1362.0	1113.0	1275.0
50°	1446.0	1263.0	1251.0	954.0	1272.0
52.5°	1317.0	1158.0	1122.0	864.0	1155.0
55°	1191.0	1047.0	969.0	795.0	1071.0
57.5°	1080.0	903.0	828.0	714.0	1053.0
60°	978.0	762.0	705.0	627.0	966.0
62.5°	894.0	657.0	645.0	567.0	876.0
65°	804.0	585.0	582.0	516.0	744.0
67.5°	717.0	537.0	534.0	468.0	567.0
70°	624.0	486.0	480.0	417.0	420.0
72.5°	528.0	429.0	423.0	375.0	348.0
75°	432.0	363.0	360.0	327.0	282.0
77.5°	339.0	288.0	294.0	264.0	207.0
80°	243.0	210.0	216.0	189.0	156.0
82.5°	162.0	138.0	144.0	120.0	105.0
85°	90.0	78.0	81.0	63.0	48.0
87.5°	42.0	36.0	36.0	24.0	15.0
90°	68.3	43.5	40.4	27.9	15.5
92.5°	421.5	299.8	273.4	167.7	62.1
95°	1037.0	584.0	535.7	342.4	149.1
97.5°	1396.9	641.5	598.9	428.3	257.8
100°	1527.9	689.7	651.0	496.4	341.7
102.5°	1588.0	737.8	701.7	557.5	413.2
105°	1632.5	809.3	778.7	656.5	534.3
107.5°	1640.8	914.9	886.4	772.5	658.6
110°	1628.3	973.9	948.2	845.3	742.5



TEST NUMBER: P935513
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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1628.8	1045.3	1020.8	922.8	824.8
115°	1643.9	1152.5	1129.9	1039.4	949.0
117.5°	1674.4	1256.6	1236.1	1153.9	1071.8
120°	1699.3	1317.2	1297.9	1220.5	1143.2
122.5°	1735.0	1388.6	1369.1	1291.1	1213.1
125°	1783.2	1480.3	1462.5	1391.4	1320.3
127.5°	1831.3	1568.8	1550.9	1479.1	1407.3
130°	1866.5	1627.8	1608.5	1531.2	1453.9
132.5°	1895.0	1676.0	1656.7	1579.3	1502.0
135°	1926.1	1731.9	1714.3	1643.9	1573.5
137.5°	1972.6	1803.3	1785.9	1716.2	1646.5
140°	2001.1	1851.5	1835.4	1771.2	1707.0
142.5°	2024.9	1887.2	1872.4	1813.0	1753.6
145°	2056.0	1941.6	1928.7	1876.9	1825.1
147.5°	2101.6	2009.9	1997.3	1946.9	1896.5
150°	2125.4	2045.7	2034.3	1988.7	1943.1
152.5°	2141.0	2069.0	2060.4	2025.8	1991.3
155°	2175.1	2120.2	2113.8	2088.3	2062.7
157.5°	2209.3	2171.5	2165.3	2140.4	2115.6
160°	2224.8	2194.8	2190.0	2170.6	2151.3
162.5°	2241.4	2219.6	2216.0	2201.5	2187.0
165°	2265.2	2255.3	2252.0	2238.9	2225.8
167.5°	2283.8	2275.5	2274.0	2267.8	2261.6
170°	2299.3	2298.8	2297.3	2291.1	2284.9
172.5°	2300.4	2300.4	2300.1	2298.7	2297.3
175°	2309.7	2314.4	2314.4	2314.4	2314.4
177.5°	2310.8	2314.4	2314.4	2314.4	2314.4
180°	2314.4	2314.4	2314.4	2314.4	2314.4



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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	11.22	11.97	12.30	13.04	14.51	14.07	14.82	15.15	15.89	17.36
	3H	11.69	12.36	12.77	13.44	14.92	15.42	16.08	16.50	17.17	18.65
	4H	11.88	12.51	12.97	13.59	15.08	15.86	16.49	16.95	17.58	19.07
	6H	11.99	12.57	13.09	13.66	15.16	16.14	16.73	17.25	17.81	19.31
	8H	11.99	12.54	13.09	13.64	15.14	16.22	16.77	17.32	17.87	19.37
	12H	11.95	12.48	13.06	13.58	15.09	16.26	16.78	17.37	17.88	19.40
4H	2H	12.25	12.88	13.35	13.96	15.45	14.47	15.10	15.57	16.18	17.67
	3H	13.26	13.79	14.37	14.90	16.40	15.97	16.50	17.08	17.61	19.11
	4H	13.53	14.02	14.64	15.12	16.64	16.50	16.98	17.61	18.08	19.60
	6H	13.65	14.07	14.77	15.19	16.70	16.86	17.27	17.98	18.40	19.91
	8H	13.65	14.04	14.77	15.16	16.69	16.97	17.35	18.09	18.47	20.00
	12H	13.62	13.97	14.75	15.09	16.63	17.02	17.37	18.16	18.50	20.04
8H	4H	13.98	14.37	15.10	15.48	17.01	16.61	17.00	17.73	18.11	19.64
	6H	14.24	14.56	15.38	15.71	17.24	17.05	17.37	18.19	18.53	20.05
	8H	14.28	14.56	15.42	15.70	17.24	17.20	17.48	18.35	18.62	20.17
	12H	14.26	14.50	15.41	15.64	17.22	17.30	17.54	18.45	18.68	20.26
12H	4H	13.98	14.33	15.12	15.46	17.00	16.57	16.92	17.71	18.05	19.58
	6H	14.30	14.58	15.44	15.72	17.26	17.04	17.32	18.19	18.46	20.01
	8H	14.36	14.60	15.51	15.74	17.32	17.20	17.45	18.35	18.58	20.17