

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: P935352

Luminaire Tested: SQ4-FA-100U-125D-930-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935352
REPORT IS A COMBINATION OF REPORTS P933752 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-125D-930-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

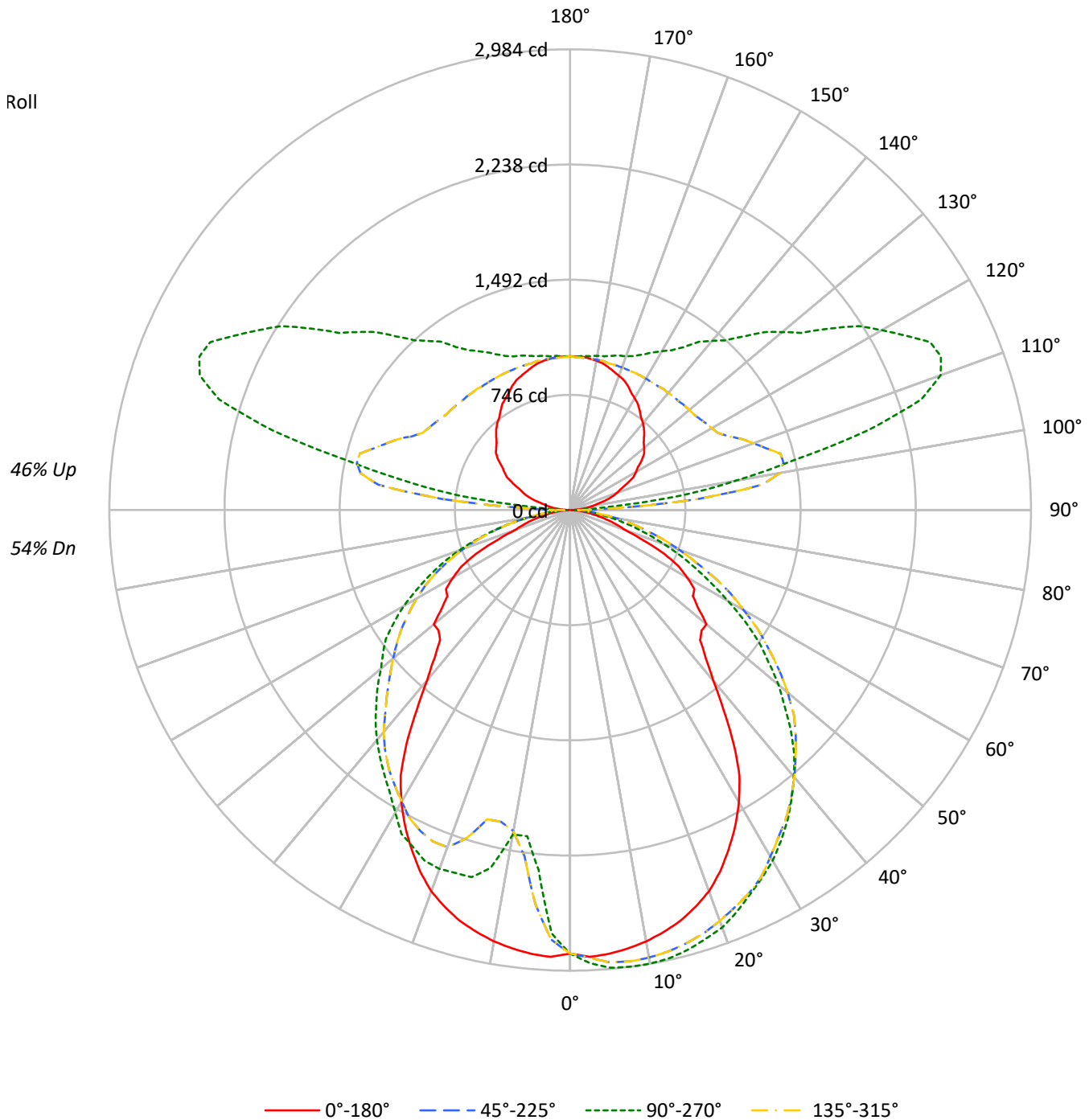
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13904.0 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 137.6
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





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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	108	108	108	108	100	100	100	100	85	85	85	72	72	72	59	59	59	54				54
1	99	94	90	87	91	88	84	81	75	73	70	63	62	60	53	51	50	45				45
2	90	82	76	71	83	77	71	67	66	62	58	56	53	50	46	44	42	38				38
3	82	72	65	59	76	67	61	56	58	53	49	49	46	42	41	38	36	32				32
4	75	64	56	50	69	60	53	47	51	46	42	44	40	36	37	34	31	28				28
5	69	57	49	43	64	53	46	41	46	40	36	39	35	31	33	30	27	24				24
6	63	51	43	37	59	48	41	35	41	36	31	35	31	28	30	26	24	21				21
7	59	46	38	33	54	43	36	31	38	32	28	32	28	24	27	24	21	19				19
8	54	42	34	29	50	39	32	27	34	29	24	29	25	22	25	22	19	17				17
9	51	38	31	26	47	36	29	24	31	26	22	27	23	19	23	20	17	15				15
10	47	35	28	23	44	33	26	22	29	23	20	25	21	18	21	18	15	13				13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13327	13327	13327	13327
5°	13427	13453	13427	10579
10°	13337	13252	13337	9474
15°	13192	12965	13192	10826
20°	12916	12625	12916	10849
25°	12351	12129	12351	10619
30°	11622	11717	11622	10114
35°	10360	11196	10360	9559
40°	8633	10583	8633	9140
45°	7714	9865	7714	8658
50°	8194	9009	8194	8175
55°	7710	8086	7710	7895
60°	7947	6868	7947	7230
65°	7206	5677	7206	6346
70°	4990	4524	4990	5320
75°	4374	3344	4374	4005
80°	3525	2211	3525	2408
85°	2022	1171	2022	995

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11822 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.3	1.9
10°-20°	736.2	5.3
20°-30°	1138.0	8.2
30°-40°	1358.6	9.8
40°-50°	1366.5	9.8
50°-60°	1189.0	8.6
60°-70°	843.1	6.1
70°-80°	446.0	3.2
80°-90°	114.9	0.8
90°-100°	485.2	3.5
100°-110°	1275.5	9.2
110°-120°	1322.6	9.5
120°-130°	1060.9	7.6
130°-140°	832.4	6.0
140°-150°	638.9	4.6
150°-160°	460.1	3.3
160°-170°	281.5	2.0
170°-180°	95.1	0.7
0°-30°	2133.5	15.3
0°-40°	3492.1	25.1
0°-60°	6047.7	43.5
0°-90°	7451.6	53.6
90°-120°	3083.3	22.2
90°-150°	5615.6	40.4
90°-180°	6452.0	46.4
0°-180°	13904.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2872	2872	2872	2872	2872	
5°	2886	2976	2886	2340	2886	274
15°	2756	2948	2756	2462	2756	775
25°	2427	2750	2427	2408	2427	1114
35°	1845	2454	1845	2095	1845	1142
45°	1190	2022	1190	1774	1190	953
55°	970	1492	970	1457	970	891
65°	674	900	674	1006	674	644
75°	255	427	255	511	255	269
85°	43	109	43	92	43	59
90°	7	25	7	25	7	7
95°	64	293	64	293	64	71
105°	230	1997	230	1997	230	244
115°	408	2572	408	2572	408	403
125°	568	2048	568	2048	568	504
135°	677	1589	677	1589	677	524
145°	785	1289	785	1289	785	492
155°	887	1110	887	1110	887	408
165°	957	1034	957	1034	957	270
175°	995	1002	995	1002	995	94
180°	995	995	995	995	995	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5
2.5°	2896.9	2896.9	2913.2	2918.7	2918.7	2910.6	2902.4	2910.6	2935.0	2943.2	2940.4
5°	2886.1	2907.8	2937.7	2943.2	2948.5	2945.9	2940.4	2945.9	2973.0	2978.5	2981.2
7.5°	2864.3	2905.1	2943.2	2951.3	2959.5	2951.3	2948.5	2954.0	2981.2	2986.6	2986.6
10°	2837.2	2894.3	2937.7	2943.2	2951.3	2943.2	2943.2	2954.0	2981.2	2986.6	2989.3
12.5°	2799.1	2877.9	2918.7	2924.1	2935.0	2932.2	2929.6	2940.4	2967.6	2973.0	2973.0
15°	2755.7	2848.0	2886.1	2891.5	2910.6	2905.1	2905.1	2915.9	2945.9	2954.0	2951.3
17.5°	2695.8	2809.9	2853.5	2861.6	2875.2	2872.5	2875.2	2886.1	2913.2	2918.7	2921.4
20°	2627.9	2758.3	2809.9	2818.1	2831.7	2831.7	2831.7	2845.3	2872.5	2883.3	2883.3
22.5°	2535.5	2704.0	2758.3	2763.8	2780.1	2780.1	2785.5	2804.6	2829.0	2831.7	2831.7
25°	2426.8	2644.2	2690.4	2706.7	2723.0	2731.2	2739.4	2750.2	2758.3	2755.7	2758.3
27.5°	2312.6	2568.1	2627.9	2638.7	2660.5	2668.7	2679.5	2682.3	2685.0	2693.1	2687.6
30°	2185.0	2462.2	2551.8	2562.7	2598.0	2603.4	2592.6	2598.0	2611.6	2617.1	2622.4
32.5°	2040.9	2304.5	2473.0	2497.5	2530.1	2513.8	2511.1	2519.2	2540.9	2540.9	2546.4
35°	1845.2	2182.2	2399.6	2421.4	2445.8	2426.8	2437.7	2440.4	2454.0	2462.2	2459.4
37.5°	1630.6	2076.2	2323.6	2339.9	2358.9	2334.4	2350.7	2358.9	2369.7	2364.3	2364.3
40°	1440.3	1910.4	2233.9	2244.7	2261.0	2242.0	2258.3	2263.7	2269.2	2263.7	2261.0
42.5°	1299.0	1728.4	2138.7	2152.3	2141.4	2155.0	2160.5	2171.3	2163.2	2152.3	2152.3
45°	1190.3	1679.5	2035.4	2051.7	2035.4	2057.2	2065.4	2065.4	2040.9	2035.4	2032.7
47.5°	1155.0	1581.6	1932.2	1932.2	1924.1	1951.2	1964.8	1945.7	1921.3	1913.1	1913.1
50°	1152.2	1472.9	1790.9	1780.0	1818.1	1850.7	1837.1	1818.1	1799.0	1769.2	1769.2
52.5°	1046.2	1339.7	1608.8	1649.6	1709.3	1728.4	1706.6	1687.6	1655.0	1641.4	1630.6
55°	970.2	1201.2	1443.1	1524.6	1587.0	1611.5	1570.7	1551.7	1502.8	1494.7	1489.2
57.5°	953.9	1000.1	1290.8	1394.1	1470.2	1467.5	1443.1	1407.7	1366.9	1358.8	1356.1
60°	875.0	722.9	1127.8	1250.1	1328.9	1320.8	1299.0	1266.4	1228.3	1222.9	1217.5
62.5°	793.5	524.5	943.0	1081.6	1193.0	1190.3	1171.3	1122.4	1095.2	1081.6	1070.7
65°	674.0	440.3	671.2	899.5	1059.9	1065.3	1024.5	989.2	959.3	943.0	940.3
67.5°	513.6	358.7	453.9	750.1	932.1	926.7	875.0	858.7	820.7	812.6	796.3
70°	380.5	239.1	315.3	608.8	807.1	793.5	752.7	733.8	698.4	679.4	668.5
72.5°	315.3	193.0	231.0	472.9	679.4	663.1	627.8	606.0	576.2	559.9	548.9
75°	255.4	203.8	176.7	350.6	551.7	540.8	508.2	486.5	462.0	440.3	442.9
77.5°	187.5	190.2	141.3	258.2	437.6	421.3	402.2	375.0	364.2	342.4	342.4
80°	141.3	149.4	106.0	176.7	315.3	315.3	299.0	279.9	260.9	250.1	250.1
82.5°	95.1	95.1	78.8	111.5	214.7	206.5	195.7	190.2	179.4	173.9	173.9
85°	43.4	54.4	48.9	67.9	116.8	122.3	122.3	116.8	114.1	108.7	111.5
87.5°	13.6	24.5	29.9	38.1	59.8	62.5	65.2	65.2	65.2	67.9	67.9
90°	6.7	12.0	17.3	18.7	29.4	43.6	50.7	45.1	33.8	25.4	25.4
92.5°	26.7	72.2	117.6	129.0	181.2	251.0	285.9	250.5	180.0	127.0	121.9
95°	64.2	147.3	230.4	251.2	446.0	705.8	835.7	745.7	565.8	430.9	415.6
97.5°	110.9	184.2	257.6	275.9	600.8	1033.9	1250.5	1193.7	1080.0	994.7	965.6
100°	146.9	213.4	280.0	296.6	657.1	1137.8	1378.1	1382.3	1390.6	1396.8	1362.1
102.5°	177.7	239.7	301.8	317.3	682.9	1170.4	1414.2	1486.6	1631.5	1740.2	1710.5
105°	229.8	282.3	334.9	348.0	702.1	1174.1	1410.1	1572.5	1897.3	2141.0	2125.0
107.5°	283.2	332.2	381.2	393.5	705.7	1121.9	1330.0	1556.5	2009.6	2349.3	2353.2
110°	319.3	363.5	407.8	418.8	700.3	1075.5	1263.2	1516.5	2022.9	2402.8	2419.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	354.7	396.8	439.1	449.6	700.5	1035.1	1202.4	1461.6	1980.0	2368.8	2394.3
115°	408.2	447.0	486.0	495.7	707.0	988.7	1129.6	1379.3	1878.7	2253.2	2288.6
117.5°	460.9	496.3	531.6	540.4	720.1	959.7	1079.5	1304.8	1755.5	2093.5	2132.8
120°	491.7	524.9	558.2	566.4	730.8	949.9	1059.5	1265.4	1677.1	1986.0	2024.1
122.5°	521.7	555.3	588.8	597.2	746.1	944.7	1044.1	1229.5	1600.3	1878.5	1916.1
125°	567.8	598.4	629.0	636.6	766.9	940.6	1027.4	1184.9	1499.9	1736.2	1770.9
127.5°	605.2	636.1	667.0	674.7	787.6	938.1	1013.4	1148.6	1419.1	1621.9	1651.1
130°	625.2	658.5	691.7	700.1	802.7	939.6	1008.0	1128.4	1369.2	1549.8	1576.8
132.5°	645.9	679.2	712.4	720.8	815.0	940.6	1003.3	1111.1	1326.6	1488.3	1512.5
135°	676.7	707.0	737.3	744.9	828.4	939.7	995.3	1085.6	1266.1	1401.5	1422.4
137.5°	708.1	738.0	768.1	775.5	848.4	945.5	994.0	1070.2	1222.9	1337.3	1354.4
140°	734.1	761.7	789.3	796.3	860.6	946.4	989.3	1055.2	1187.1	1285.9	1301.9
142.5°	754.2	779.7	805.2	811.6	870.9	949.8	989.3	1047.2	1163.0	1249.9	1263.6
145°	784.9	807.2	829.5	835.0	884.3	949.9	982.6	1030.0	1124.7	1195.7	1206.1
147.5°	815.6	837.3	859.0	864.4	903.9	956.4	982.6	1019.9	1094.4	1150.3	1158.9
150°	835.7	855.3	874.9	879.8	914.1	959.7	982.6	1014.1	1077.1	1124.3	1131.3
152.5°	856.4	871.3	886.1	889.8	920.7	962.0	982.6	1009.5	1063.3	1103.6	1108.9
155°	887.1	898.1	909.1	911.8	935.4	966.9	982.6	1004.0	1046.8	1078.8	1082.3
157.5°	909.8	920.5	931.2	933.9	950.1	971.8	982.6	999.3	1032.5	1057.5	1059.9
160°	925.2	933.6	941.8	943.9	956.9	974.0	982.6	996.9	1025.4	1046.8	1048.2
162.5°	940.6	946.8	953.1	954.6	963.9	976.4	982.6	994.7	1018.7	1036.8	1038.1
165°	957.3	962.9	968.5	969.9	974.2	979.8	982.6	991.2	1008.5	1021.4	1022.9
167.5°	972.6	975.2	978.0	978.6	982.1	986.9	989.3	994.9	1006.2	1014.7	1015.2
170°	982.6	985.3	988.0	988.7	988.9	989.1	989.3	994.9	1006.2	1014.7	1014.7
172.5°	988.0	988.6	989.1	989.3	989.3	989.3	989.3	993.8	1002.7	1009.4	1008.9
175°	995.3	995.3	995.3	995.3	993.3	990.7	989.3	992.1	997.7	1002.0	1002.0
177.5°	995.3	995.3	995.3	995.3	993.8	991.7	990.7	992.9	997.3	1000.7	1000.1
180°	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5
2.5°	2945.9	2937.7	2945.9	2940.4	2943.2	2935.0	2910.6	2902.4	2910.6	2918.7	2918.7
5°	2981.2	2975.8	2981.2	2981.2	2978.5	2973.0	2945.9	2940.4	2945.9	2948.5	2943.2
7.5°	2992.1	2983.9	2992.1	2986.6	2986.6	2981.2	2954.0	2948.5	2951.3	2959.5	2951.3
10°	2992.1	2983.9	2992.1	2989.3	2986.6	2981.2	2954.0	2943.2	2943.2	2951.3	2943.2
12.5°	2978.5	2973.0	2978.5	2973.0	2973.0	2967.6	2940.4	2929.6	2932.2	2935.0	2924.1
15°	2956.7	2948.5	2956.7	2951.3	2954.0	2945.9	2915.9	2905.1	2905.1	2910.6	2891.5
17.5°	2924.1	2913.2	2924.1	2921.4	2918.7	2913.2	2886.1	2875.2	2872.5	2875.2	2861.6
20°	2886.1	2877.9	2886.1	2883.3	2883.3	2872.5	2845.3	2831.7	2831.7	2831.7	2818.1
22.5°	2826.2	2818.1	2826.2	2831.7	2831.7	2829.0	2804.6	2785.5	2780.1	2780.1	2763.8
25°	2758.3	2750.2	2758.3	2758.3	2755.7	2758.3	2750.2	2739.4	2731.2	2723.0	2706.7
27.5°	2693.1	2687.6	2693.1	2687.6	2693.1	2685.0	2682.3	2679.5	2668.7	2660.5	2638.7
30°	2627.9	2622.4	2627.9	2622.4	2617.1	2611.6	2598.0	2592.6	2603.4	2598.0	2562.7
32.5°	2546.4	2540.9	2546.4	2546.4	2540.9	2540.9	2519.2	2511.1	2513.8	2530.1	2497.5
35°	2462.2	2454.0	2462.2	2459.4	2462.2	2454.0	2440.4	2437.7	2426.8	2445.8	2421.4
37.5°	2364.3	2356.2	2364.3	2364.3	2364.3	2369.7	2358.9	2350.7	2334.4	2358.9	2339.9
40°	2263.7	2252.9	2263.7	2261.0	2263.7	2269.2	2263.7	2258.3	2242.0	2261.0	2244.7
42.5°	2149.6	2146.9	2149.6	2152.3	2152.3	2163.2	2171.3	2160.5	2155.0	2141.4	2152.3
45°	2027.3	2021.9	2027.3	2032.7	2035.4	2040.9	2065.4	2065.4	2057.2	2035.4	2051.7
47.5°	1896.8	1883.3	1896.8	1913.1	1913.1	1921.3	1945.7	1964.8	1951.2	1924.1	1932.2
50°	1758.2	1761.0	1758.2	1769.2	1769.2	1799.0	1818.1	1837.1	1850.7	1818.1	1780.0
52.5°	1622.4	1619.7	1622.4	1630.6	1641.4	1655.0	1687.6	1706.6	1728.4	1709.3	1649.6
55°	1486.5	1492.0	1486.5	1489.2	1494.7	1502.8	1551.7	1570.7	1611.5	1587.0	1524.6
57.5°	1350.6	1342.5	1350.6	1356.1	1358.8	1366.9	1407.7	1443.1	1467.5	1470.2	1394.1
60°	1193.0	1182.2	1193.0	1217.5	1222.9	1228.3	1266.4	1299.0	1320.8	1328.9	1250.1
62.5°	1054.4	1035.4	1054.4	1070.7	1081.6	1095.2	1122.4	1171.3	1190.3	1193.0	1081.6
65°	907.6	899.5	907.6	940.3	943.0	959.3	989.2	1024.5	1065.3	1059.9	899.5
67.5°	774.5	774.5	774.5	796.3	812.6	820.7	858.7	875.0	926.7	932.1	750.1
70°	652.2	649.5	652.2	668.5	679.4	698.4	733.8	752.7	793.5	807.1	608.8
72.5°	535.4	532.6	535.4	548.9	559.9	576.2	606.0	627.8	663.1	679.4	472.9
75°	432.1	426.6	432.1	442.9	440.3	462.0	486.5	508.2	540.8	551.7	350.6
77.5°	331.6	331.6	331.6	342.4	342.4	364.2	375.0	402.2	421.3	437.6	258.2
80°	247.3	244.6	247.3	250.1	250.1	260.9	279.9	299.0	315.3	315.3	176.7
82.5°	173.9	168.5	173.9	173.9	173.9	179.4	190.2	195.7	206.5	214.7	111.5
85°	108.7	108.7	108.7	111.5	108.7	114.1	116.8	122.3	122.3	116.8	67.9
87.5°	70.7	67.9	70.7	67.9	67.9	65.2	65.2	65.2	62.5	59.8	38.1
90°	25.4	25.4	25.4	25.4	25.4	33.8	45.1	50.7	43.6	29.4	18.7
92.5°	101.7	81.5	101.7	121.9	127.0	180.0	250.5	285.9	251.0	181.2	129.0
95°	354.4	293.3	354.4	415.6	430.9	565.8	745.7	835.7	705.8	446.0	251.2
97.5°	849.2	732.8	849.2	965.6	994.7	1080.0	1193.7	1250.5	1033.9	600.8	275.9
100°	1223.5	1084.9	1223.5	1362.1	1396.8	1390.6	1382.3	1378.1	1137.8	657.1	296.6
102.5°	1591.7	1472.9	1591.7	1710.5	1740.2	1631.5	1486.6	1414.2	1170.4	682.9	317.3
105°	2061.1	1997.3	2061.1	2125.0	2141.0	1897.3	1572.5	1410.1	1174.1	702.1	348.0
107.5°	2368.7	2384.1	2368.7	2353.2	2349.3	2009.6	1556.5	1330.0	1121.9	705.7	393.5
110°	2485.9	2552.4	2485.9	2419.4	2402.8	2022.9	1516.5	1263.2	1075.5	700.3	418.8



TEST NUMBER: P935352

CATALOG NUMBER: SQ4-FA-100U-125D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2496.4	2598.5	2496.4	2394.3	2368.8	1980.0	1461.6	1202.4	1035.1	700.5	449.6
115°	2430.2	2571.8	2430.2	2288.6	2253.2	1878.7	1379.3	1129.6	988.7	707.0	495.7
117.5°	2289.8	2446.9	2289.8	2132.8	2093.5	1755.5	1304.8	1079.5	959.7	720.1	540.4
120°	2176.8	2329.3	2176.8	2024.1	1986.0	1677.1	1265.4	1059.5	949.9	730.8	566.4
122.5°	2066.6	2217.1	2066.6	1916.1	1878.5	1600.3	1229.5	1044.1	944.7	746.1	597.2
125°	1909.5	2048.1	1909.5	1770.9	1736.2	1499.9	1184.9	1027.4	940.6	766.9	636.6
127.5°	1768.1	1885.1	1768.1	1651.1	1621.9	1419.1	1148.6	1013.4	938.1	787.6	674.7
130°	1684.9	1792.9	1684.9	1576.8	1549.8	1369.2	1128.4	1008.0	939.6	802.7	700.1
132.5°	1609.3	1706.1	1609.3	1512.5	1488.3	1326.6	1111.1	1003.3	940.6	815.0	720.8
135°	1505.8	1589.2	1505.8	1422.4	1401.5	1266.1	1085.6	995.3	939.7	828.4	744.9
137.5°	1422.7	1491.0	1422.7	1354.4	1337.3	1222.9	1070.2	994.0	945.5	848.4	775.5
140°	1365.7	1429.5	1365.7	1301.9	1285.9	1187.1	1055.2	989.3	946.4	860.6	796.3
142.5°	1318.5	1373.5	1318.5	1263.6	1249.9	1163.0	1047.2	989.3	949.8	870.9	811.6
145°	1247.7	1289.2	1247.7	1206.1	1195.7	1124.7	1030.0	982.6	949.9	884.3	835.0
147.5°	1193.3	1227.8	1193.3	1158.9	1150.3	1094.4	1019.9	982.6	956.4	903.9	864.4
150°	1159.1	1187.1	1159.1	1131.3	1124.3	1077.1	1014.1	982.6	959.7	914.1	879.8
152.5°	1129.9	1150.9	1129.9	1108.9	1103.6	1063.3	1009.5	982.6	962.0	920.7	889.8
155°	1096.3	1110.2	1096.3	1082.3	1078.8	1046.8	1004.0	982.6	966.9	935.4	911.8
157.5°	1069.7	1079.5	1069.7	1059.9	1057.5	1032.5	999.3	982.6	971.8	950.1	933.9
160°	1053.9	1059.5	1053.9	1048.2	1046.8	1025.4	996.9	982.6	974.0	956.9	943.9
162.5°	1043.4	1048.8	1043.4	1038.1	1036.8	1018.7	994.7	982.6	976.4	963.9	954.6
165°	1028.5	1034.1	1028.5	1022.9	1021.4	1008.5	991.2	982.6	979.8	974.2	969.9
167.5°	1017.6	1020.1	1017.6	1015.2	1014.7	1006.2	994.9	989.3	986.9	982.1	978.6
170°	1014.7	1014.7	1014.7	1014.7	1014.7	1006.2	994.9	989.3	989.1	988.9	988.7
172.5°	1006.8	1004.7	1006.8	1008.9	1009.4	1002.7	993.8	989.3	989.3	989.3	989.3
175°	1002.0	1002.0	1002.0	1002.0	1002.0	997.7	992.1	989.3	990.7	993.3	995.3
177.5°	997.7	995.3	997.7	1000.1	1000.7	997.3	992.9	990.7	991.7	993.8	995.3
180°	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3



TEST NUMBER: P935352

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5
2.5°	2913.2	2896.9	2896.9	2869.8	2858.9	2850.7	2837.2	2796.4	2785.5	2774.6	2791.0
5°	2937.7	2907.8	2886.1	2837.2	2796.4	2780.1	2728.4	2630.6	2565.4	2516.4	2489.3
7.5°	2943.2	2905.1	2864.3	2788.3	2690.4	2646.9	2489.3	2309.9	2261.0	2217.6	2190.3
10°	2937.7	2894.3	2837.2	2723.0	2492.0	2415.9	2258.3	2141.4	2111.6	2103.4	2111.6
12.5°	2918.7	2877.9	2799.1	2608.9	2285.5	2233.9	2141.4	2073.5	2068.0	2081.7	2155.0
15°	2886.1	2848.0	2755.7	2456.7	2171.3	2133.3	2068.0	2043.6	2073.5	2168.7	2388.8
17.5°	2853.5	2809.9	2695.8	2307.3	2084.3	2057.2	2011.0	2059.9	2228.4	2356.2	2429.5
20°	2809.9	2758.3	2627.9	2198.5	2021.9	1997.4	1975.7	2195.8	2323.6	2369.7	2410.5
22.5°	2758.3	2704.0	2535.5	2122.4	1956.7	1937.6	1951.2	2271.9	2323.6	2356.2	2391.5
25°	2690.4	2644.2	2426.8	2062.7	1905.0	1883.3	1934.9	2263.7	2293.6	2301.8	2372.5
27.5°	2627.9	2568.1	2312.6	2008.3	1842.5	1834.4	1948.5	2228.4	2250.2	2258.3	2334.4
30°	2551.8	2462.2	2185.0	1951.2	1777.3	1774.5	1951.2	2185.0	2179.5	2201.3	2277.3
32.5°	2473.0	2304.5	2040.9	1880.5	1714.8	1712.1	1932.2	2119.7	2114.3	2144.2	2201.3
35°	2399.6	2182.2	1845.2	1799.0	1636.0	1638.7	1886.0	2043.6	2046.4	2073.5	2108.8
37.5°	2323.6	2076.2	1630.6	1709.3	1559.9	1559.9	1823.5	1973.0	1967.5	1975.7	2024.6
40°	2233.9	1910.4	1440.3	1592.5	1489.2	1481.1	1747.4	1896.8	1877.8	1875.2	1943.1
42.5°	2138.7	1728.4	1299.0	1437.6	1407.7	1396.8	1655.0	1804.5	1769.2	1777.3	1864.2
45°	2035.4	1679.5	1190.3	1214.8	1323.4	1315.3	1554.4	1698.5	1674.0	1695.8	1785.5
47.5°	1932.2	1581.6	1155.0	1008.2	1233.8	1231.1	1443.1	1595.2	1581.6	1603.4	1698.5
50°	1790.9	1472.9	1152.2	864.2	1133.2	1144.1	1309.9	1494.7	1494.7	1513.7	1614.3
52.5°	1608.8	1339.7	1046.2	782.7	1016.4	1049.0	1193.0	1407.7	1413.1	1432.2	1521.8
55°	1443.1	1201.2	970.2	720.1	877.8	948.4	1078.9	1318.0	1328.9	1347.9	1429.4
57.5°	1290.8	1000.1	953.9	646.8	750.1	818.0	978.3	1231.1	1236.5	1252.8	1331.6
60°	1127.8	722.9	875.0	568.0	638.6	690.3	885.9	1127.8	1146.8	1157.7	1225.6
62.5°	943.0	524.5	793.5	513.6	584.3	595.2	809.8	1029.9	1054.4	1062.6	1103.3
65°	671.2	440.3	674.0	467.4	527.2	529.9	728.3	929.4	951.2	964.7	994.6
67.5°	453.9	358.7	513.6	423.9	483.7	486.5	649.5	812.6	842.4	853.3	872.4
70°	315.3	239.1	380.5	377.7	434.8	440.3	565.2	706.6	733.8	741.9	752.7
72.5°	231.0	193.0	315.3	339.7	383.2	388.7	478.3	587.0	614.1	622.3	627.8
75°	176.7	203.8	255.4	296.2	326.1	328.8	391.3	478.3	497.3	502.8	505.5
77.5°	141.3	190.2	187.5	239.1	266.4	260.9	307.1	369.6	385.9	385.9	385.9
80°	106.0	149.4	141.3	171.2	195.7	190.2	220.1	263.6	269.0	274.5	271.7
82.5°	78.8	95.1	95.1	108.7	130.4	125.0	146.8	171.2	171.2	171.2	176.7
85°	48.9	54.4	43.4	57.1	73.4	70.7	81.5	92.4	95.1	95.1	89.7
87.5°	29.9	24.5	13.6	21.8	32.6	32.6	38.1	40.8	38.1	38.1	38.1
90°	17.3	12.0	6.7	12.0	17.3	18.7	29.4	43.6	50.7	45.1	33.8
92.5°	117.6	72.2	26.7	72.2	117.6	129.0	181.2	251.0	285.9	250.5	180.0
95°	230.4	147.3	64.2	147.3	230.4	251.2	446.0	705.8	835.7	745.7	565.8
97.5°	257.6	184.2	110.9	184.2	257.6	275.9	600.8	1033.9	1250.5	1193.7	1080.0
100°	280.0	213.4	146.9	213.4	280.0	296.6	657.1	1137.8	1378.1	1382.3	1390.6
102.5°	301.8	239.7	177.7	239.7	301.8	317.3	682.9	1170.4	1414.2	1486.6	1631.5
105°	334.9	282.3	229.8	282.3	334.9	348.0	702.1	1174.1	1410.1	1572.5	1897.3
107.5°	381.2	332.2	283.2	332.2	381.2	393.5	705.7	1121.9	1330.0	1556.5	2009.6
110°	407.8	363.5	319.3	363.5	407.8	418.8	700.3	1075.5	1263.2	1516.5	2022.9



TEST NUMBER: P935352

CATALOG NUMBER: SQ4-FA-100U-125D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	439.1	396.8	354.7	396.8	439.1	449.6	700.5	1035.1	1202.4	1461.6	1980.0
115°	486.0	447.0	408.2	447.0	486.0	495.7	707.0	988.7	1129.6	1379.3	1878.7
117.5°	531.6	496.3	460.9	496.3	531.6	540.4	720.1	959.7	1079.5	1304.8	1755.5
120°	558.2	524.9	491.7	524.9	558.2	566.4	730.8	949.9	1059.5	1265.4	1677.1
122.5°	588.8	555.3	521.7	555.3	588.8	597.2	746.1	944.7	1044.1	1229.5	1600.3
125°	629.0	598.4	567.8	598.4	629.0	636.6	766.9	940.6	1027.4	1184.9	1499.9
127.5°	667.0	636.1	605.2	636.1	667.0	674.7	787.6	938.1	1013.4	1148.6	1419.1
130°	691.7	658.5	625.2	658.5	691.7	700.1	802.7	939.6	1008.0	1128.4	1369.2
132.5°	712.4	679.2	645.9	679.2	712.4	720.8	815.0	940.6	1003.3	1111.1	1326.6
135°	737.3	707.0	676.7	707.0	737.3	744.9	828.4	939.7	995.3	1085.6	1266.1
137.5°	768.1	738.0	708.1	738.0	768.1	775.5	848.4	945.5	994.0	1070.2	1222.9
140°	789.3	761.7	734.1	761.7	789.3	796.3	860.6	946.4	989.3	1055.2	1187.1
142.5°	805.2	779.7	754.2	779.7	805.2	811.6	870.9	949.8	989.3	1047.2	1163.0
145°	829.5	807.2	784.9	807.2	829.5	835.0	884.3	949.9	982.6	1030.0	1124.7
147.5°	859.0	837.3	815.6	837.3	859.0	864.4	903.9	956.4	982.6	1019.9	1094.4
150°	874.9	855.3	835.7	855.3	874.9	879.8	914.1	959.7	982.6	1014.1	1077.1
152.5°	886.1	871.3	856.4	871.3	886.1	889.8	920.7	962.0	982.6	1009.5	1063.3
155°	909.1	898.1	887.1	898.1	909.1	911.8	935.4	966.9	982.6	1004.0	1046.8
157.5°	931.2	920.5	909.8	920.5	931.2	933.9	950.1	971.8	982.6	999.3	1032.5
160°	941.8	933.6	925.2	933.6	941.8	943.9	956.9	974.0	982.6	996.9	1025.4
162.5°	953.1	946.8	940.6	946.8	953.1	954.6	963.9	976.4	982.6	994.7	1018.7
165°	968.5	962.9	957.3	962.9	968.5	969.9	974.2	979.8	982.6	991.2	1008.5
167.5°	978.0	975.2	972.6	975.2	978.0	978.6	982.1	986.9	989.3	994.9	1006.2
170°	988.0	985.3	982.6	985.3	988.0	988.7	988.9	989.1	989.3	994.9	1006.2
172.5°	989.1	988.6	988.0	988.6	989.1	989.3	989.3	989.3	989.3	993.8	1002.7
175°	995.3	995.3	995.3	995.3	995.3	995.3	993.3	990.7	989.3	992.1	997.7
177.5°	995.3	995.3	995.3	995.3	995.3	995.3	993.8	991.7	990.7	992.9	997.3
180°	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3



TEST NUMBER: P935352
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5
2.5°	2772.0	2763.8	2774.6	2744.7	2774.6	2763.8	2772.0	2791.0	2774.6	2785.5	2796.4
5°	2432.2	2418.6	2375.2	2339.9	2375.2	2418.6	2432.2	2489.3	2516.4	2565.4	2630.6
7.5°	2174.0	2163.2	2152.3	2130.6	2152.3	2163.2	2174.0	2190.3	2217.6	2261.0	2309.9
10°	2117.0	2119.7	2136.0	2133.3	2136.0	2119.7	2117.0	2111.6	2103.4	2111.6	2141.4
12.5°	2263.7	2288.2	2377.8	2372.5	2377.8	2288.2	2263.7	2155.0	2081.7	2068.0	2073.5
15°	2432.2	2440.4	2459.4	2462.2	2459.4	2440.4	2432.2	2388.8	2168.7	2073.5	2043.6
17.5°	2448.5	2451.2	2464.8	2464.8	2464.8	2451.2	2448.5	2429.5	2356.2	2228.4	2059.9
20°	2434.9	2440.4	2467.5	2473.0	2467.5	2440.4	2434.9	2410.5	2369.7	2323.6	2195.8
22.5°	2429.5	2440.4	2462.2	2459.4	2462.2	2440.4	2429.5	2391.5	2356.2	2323.6	2271.9
25°	2402.3	2402.3	2405.1	2407.8	2405.1	2402.3	2402.3	2372.5	2301.8	2293.6	2263.7
27.5°	2345.2	2350.7	2367.0	2364.3	2367.0	2350.7	2345.2	2334.4	2258.3	2250.2	2228.4
30°	2293.6	2288.2	2274.6	2263.7	2274.6	2288.2	2293.6	2277.3	2201.3	2179.5	2185.0
32.5°	2206.6	2193.1	2179.5	2171.3	2179.5	2193.1	2206.6	2201.3	2144.2	2114.3	2119.7
35°	2103.4	2106.1	2103.4	2095.3	2103.4	2106.1	2103.4	2108.8	2073.5	2046.4	2043.6
37.5°	2030.1	2035.4	2032.7	2021.9	2032.7	2035.4	2030.1	2024.6	1975.7	1967.5	1973.0
40°	1953.9	1956.7	1953.9	1945.7	1953.9	1956.7	1953.9	1943.1	1875.2	1877.8	1896.8
42.5°	1880.5	1877.8	1869.7	1864.2	1869.7	1877.8	1880.5	1864.2	1777.3	1769.2	1804.5
45°	1796.3	1799.0	1782.7	1774.5	1782.7	1799.0	1796.3	1785.5	1695.8	1674.0	1698.5
47.5°	1712.1	1712.1	1698.5	1690.3	1698.5	1712.1	1712.1	1698.5	1603.4	1581.6	1595.2
50°	1622.4	1619.7	1600.6	1598.0	1600.6	1619.7	1622.4	1614.3	1513.7	1494.7	1494.7
52.5°	1519.1	1519.1	1521.8	1527.3	1521.8	1519.1	1519.1	1521.8	1432.2	1413.1	1407.7
55°	1429.4	1432.2	1451.2	1456.6	1451.2	1432.2	1429.4	1429.4	1347.9	1328.9	1318.0
57.5°	1337.1	1337.1	1350.6	1350.6	1350.6	1337.1	1337.1	1331.6	1252.8	1236.5	1231.1
60°	1231.1	1236.5	1247.4	1244.6	1247.4	1236.5	1231.1	1225.6	1157.7	1146.8	1127.8
62.5°	1119.6	1125.1	1127.8	1122.4	1127.8	1125.1	1119.6	1103.3	1062.6	1054.4	1029.9
65°	1002.8	1008.2	1011.0	1005.5	1011.0	1008.2	1002.8	994.6	964.7	951.2	929.4
67.5°	883.2	880.5	877.8	888.7	877.8	880.5	883.2	872.4	853.3	842.4	812.6
70°	760.9	760.9	758.2	763.7	758.2	760.9	760.9	752.7	741.9	733.8	706.6
72.5°	630.5	627.8	638.6	630.5	638.6	627.8	630.5	627.8	622.3	614.1	587.0
75°	502.8	508.2	502.8	510.9	502.8	508.2	502.8	505.5	502.8	497.3	478.3
77.5°	383.2	388.7	383.2	383.2	383.2	388.7	383.2	385.9	385.9	385.9	369.6
80°	271.7	269.0	269.0	266.4	269.0	269.0	271.7	271.7	274.5	269.0	263.6
82.5°	173.9	171.2	171.2	176.7	171.2	171.2	173.9	176.7	171.2	171.2	171.2
85°	95.1	97.8	92.4	92.4	92.4	97.8	95.1	89.7	95.1	95.1	92.4
87.5°	35.3	32.6	32.6	32.6	32.6	32.6	35.3	38.1	38.1	38.1	40.8
90°	25.4	25.4	25.4	25.4	25.4	25.4	25.4	33.8	45.1	50.7	43.6
92.5°	127.0	121.9	101.7	81.5	101.7	121.9	127.0	180.0	250.5	285.9	251.0
95°	430.9	415.6	354.4	293.3	354.4	415.6	430.9	565.8	745.7	835.7	705.8
97.5°	994.7	965.6	849.2	732.8	849.2	965.6	994.7	1080.0	1193.7	1250.5	1033.9
100°	1396.8	1362.1	1223.5	1084.9	1223.5	1362.1	1396.8	1390.6	1382.3	1378.1	1137.8
102.5°	1740.2	1710.5	1591.7	1472.9	1591.7	1710.5	1740.2	1631.5	1486.6	1414.2	1170.4
105°	2141.0	2125.0	2061.1	1997.3	2061.1	2125.0	2141.0	1897.3	1572.5	1410.1	1174.1
107.5°	2349.3	2353.2	2368.7	2384.1	2368.7	2353.2	2349.3	2009.6	1556.5	1330.0	1121.9
110°	2402.8	2419.4	2485.9	2552.4	2485.9	2419.4	2402.8	2022.9	1516.5	1263.2	1075.5



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2368.8	2394.3	2496.4	2598.5	2496.4	2394.3	2368.8	1980.0	1461.6	1202.4	1035.1
115°	2253.2	2288.6	2430.2	2571.8	2430.2	2288.6	2253.2	1878.7	1379.3	1129.6	988.7
117.5°	2093.5	2132.8	2289.8	2446.9	2289.8	2132.8	2093.5	1755.5	1304.8	1079.5	959.7
120°	1986.0	2024.1	2176.8	2329.3	2176.8	2024.1	1986.0	1677.1	1265.4	1059.5	949.9
122.5°	1878.5	1916.1	2066.6	2217.1	2066.6	1916.1	1878.5	1600.3	1229.5	1044.1	944.7
125°	1736.2	1770.9	1909.5	2048.1	1909.5	1770.9	1736.2	1499.9	1184.9	1027.4	940.6
127.5°	1621.9	1651.1	1768.1	1885.1	1768.1	1651.1	1621.9	1419.1	1148.6	1013.4	938.1
130°	1549.8	1576.8	1684.9	1792.9	1684.9	1576.8	1549.8	1369.2	1128.4	1008.0	939.6
132.5°	1488.3	1512.5	1609.3	1706.1	1609.3	1512.5	1488.3	1326.6	1111.1	1003.3	940.6
135°	1401.5	1422.4	1505.8	1589.2	1505.8	1422.4	1401.5	1266.1	1085.6	995.3	939.7
137.5°	1337.3	1354.4	1422.7	1491.0	1422.7	1354.4	1337.3	1222.9	1070.2	994.0	945.5
140°	1285.9	1301.9	1365.7	1429.5	1365.7	1301.9	1285.9	1187.1	1055.2	989.3	946.4
142.5°	1249.9	1263.6	1318.5	1373.5	1318.5	1263.6	1249.9	1163.0	1047.2	989.3	949.8
145°	1195.7	1206.1	1247.7	1289.2	1247.7	1206.1	1195.7	1124.7	1030.0	982.6	949.9
147.5°	1150.3	1158.9	1193.3	1227.8	1193.3	1158.9	1150.3	1094.4	1019.9	982.6	956.4
150°	1124.3	1131.3	1159.1	1187.1	1159.1	1131.3	1124.3	1077.1	1014.1	982.6	959.7
152.5°	1103.6	1108.9	1129.9	1150.9	1129.9	1108.9	1103.6	1063.3	1009.5	982.6	962.0
155°	1078.8	1082.3	1096.3	1110.2	1096.3	1082.3	1078.8	1046.8	1004.0	982.6	966.9
157.5°	1057.5	1059.9	1069.7	1079.5	1069.7	1059.9	1057.5	1032.5	999.3	982.6	971.8
160°	1046.8	1048.2	1053.9	1059.5	1053.9	1048.2	1046.8	1025.4	996.9	982.6	974.0
162.5°	1036.8	1038.1	1043.4	1048.8	1043.4	1038.1	1036.8	1018.7	994.7	982.6	976.4
165°	1021.4	1022.9	1028.5	1034.1	1028.5	1022.9	1021.4	1008.5	991.2	982.6	979.8
167.5°	1014.7	1015.2	1017.6	1020.1	1017.6	1015.2	1014.7	1006.2	994.9	989.3	986.9
170°	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1006.2	994.9	989.3	989.1
172.5°	1009.4	1008.9	1006.8	1004.7	1006.8	1008.9	1009.4	1002.7	993.8	989.3	989.3
175°	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	997.7	992.1	989.3	990.7
177.5°	1000.7	1000.1	997.7	995.3	997.7	1000.1	1000.7	997.3	992.9	990.7	991.7
180°	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2872.5	2872.5	2872.5	2872.5	2872.5
2.5°	2837.2	2850.7	2858.9	2869.8	2896.9
5°	2728.4	2780.1	2796.4	2837.2	2886.1
7.5°	2489.3	2646.9	2690.4	2788.3	2864.3
10°	2258.3	2415.9	2492.0	2723.0	2837.2
12.5°	2141.4	2233.9	2285.5	2608.9	2799.1
15°	2068.0	2133.3	2171.3	2456.7	2755.7
17.5°	2011.0	2057.2	2084.3	2307.3	2695.8
20°	1975.7	1997.4	2021.9	2198.5	2627.9
22.5°	1951.2	1937.6	1956.7	2122.4	2535.5
25°	1934.9	1883.3	1905.0	2062.7	2426.8
27.5°	1948.5	1834.4	1842.5	2008.3	2312.6
30°	1951.2	1774.5	1777.3	1951.2	2185.0
32.5°	1932.2	1712.1	1714.8	1880.5	2040.9
35°	1886.0	1638.7	1636.0	1799.0	1845.2
37.5°	1823.5	1559.9	1559.9	1709.3	1630.6
40°	1747.4	1481.1	1489.2	1592.5	1440.3
42.5°	1655.0	1396.8	1407.7	1437.6	1299.0
45°	1554.4	1315.3	1323.4	1214.8	1190.3
47.5°	1443.1	1231.1	1233.8	1008.2	1155.0
50°	1309.9	1144.1	1133.2	864.2	1152.2
52.5°	1193.0	1049.0	1016.4	782.7	1046.2
55°	1078.9	948.4	877.8	720.1	970.2
57.5°	978.3	818.0	750.1	646.8	953.9
60°	885.9	690.3	638.6	568.0	875.0
62.5°	809.8	595.2	584.3	513.6	793.5
65°	728.3	529.9	527.2	467.4	674.0
67.5°	649.5	486.5	483.7	423.9	513.6
70°	565.2	440.3	434.8	377.7	380.5
72.5°	478.3	388.7	383.2	339.7	315.3
75°	391.3	328.8	326.1	296.2	255.4
77.5°	307.1	260.9	266.4	239.1	187.5
80°	220.1	190.2	195.7	171.2	141.3
82.5°	146.8	125.0	130.4	108.7	95.1
85°	81.5	70.7	73.4	57.1	43.4
87.5°	38.1	32.6	32.6	21.8	13.6
90°	29.4	18.7	17.3	12.0	6.7
92.5°	181.2	129.0	117.6	72.2	26.7
95°	446.0	251.2	230.4	147.3	64.2
97.5°	600.8	275.9	257.6	184.2	110.9
100°	657.1	296.6	280.0	213.4	146.9
102.5°	682.9	317.3	301.8	239.7	177.7
105°	702.1	348.0	334.9	282.3	229.8
107.5°	705.7	393.5	381.2	332.2	283.2
110°	700.3	418.8	407.8	363.5	319.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	700.5	449.6	439.1	396.8	354.7
115°	707.0	495.7	486.0	447.0	408.2
117.5°	720.1	540.4	531.6	496.3	460.9
120°	730.8	566.4	558.2	524.9	491.7
122.5°	746.1	597.2	588.8	555.3	521.7
125°	766.9	636.6	629.0	598.4	567.8
127.5°	787.6	674.7	667.0	636.1	605.2
130°	802.7	700.1	691.7	658.5	625.2
132.5°	815.0	720.8	712.4	679.2	645.9
135°	828.4	744.9	737.3	707.0	676.7
137.5°	848.4	775.5	768.1	738.0	708.1
140°	860.6	796.3	789.3	761.7	734.1
142.5°	870.9	811.6	805.2	779.7	754.2
145°	884.3	835.0	829.5	807.2	784.9
147.5°	903.9	864.4	859.0	837.3	815.6
150°	914.1	879.8	874.9	855.3	835.7
152.5°	920.7	889.8	886.1	871.3	856.4
155°	935.4	911.8	909.1	898.1	887.1
157.5°	950.1	933.9	931.2	920.5	909.8
160°	956.9	943.9	941.8	933.6	925.2
162.5°	963.9	954.6	953.1	946.8	940.6
165°	974.2	969.9	968.5	962.9	957.3
167.5°	982.1	978.6	978.0	975.2	972.6
170°	988.9	988.7	988.0	985.3	982.6
172.5°	989.3	989.3	989.1	988.6	988.0
175°	993.3	995.3	995.3	995.3	995.3
177.5°	993.8	995.3	995.3	995.3	995.3
180°	995.3	995.3	995.3	995.3	995.3



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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	14.13	15.03	15.06	15.97	17.19	16.97	17.86	17.89	18.81	20.03
	3H	14.61	15.41	15.55	16.37	17.61	18.32	19.12	19.26	20.07	21.32
	4H	14.80	15.56	15.76	16.52	17.77	18.77	19.53	19.72	20.48	21.73
	6H	14.92	15.62	15.89	16.59	17.85	19.06	19.75	20.02	20.72	21.98
	8H	14.93	15.59	15.90	16.57	17.83	19.13	19.80	20.10	20.78	22.04
	12H	14.90	15.53	15.87	16.51	17.79	19.17	19.81	20.15	20.78	22.07
4H	2H	15.17	15.93	16.13	16.89	18.14	17.38	18.14	18.34	19.10	20.35
	3H	16.20	16.83	17.17	17.82	19.09	18.89	19.53	19.86	20.51	21.78
	4H	16.48	17.05	17.45	18.04	19.33	19.42	20.00	20.40	20.98	22.27
	6H	16.60	17.10	17.59	18.11	19.39	19.79	20.29	20.78	21.30	22.58
	8H	16.61	17.08	17.60	18.07	19.38	19.90	20.37	20.89	21.36	22.67
	12H	16.58	17.00	17.59	18.01	19.32	19.96	20.38	20.97	21.40	22.70
8H	4H	16.94	17.40	17.93	18.40	19.70	19.55	20.02	20.54	21.01	22.32
	6H	17.20	17.58	18.21	18.62	19.92	19.99	20.38	21.01	21.42	22.72
	8H	17.24	17.58	18.27	18.61	19.93	20.14	20.48	21.17	21.51	22.83
	12H	17.23	17.52	18.25	18.55	19.91	20.25	20.54	21.27	21.57	22.93
12H	4H	16.94	17.36	17.95	18.38	19.68	19.52	19.94	20.53	20.95	22.26
	6H	17.26	17.60	18.28	18.63	19.94	19.99	20.33	21.01	21.35	22.67
	8H	17.33	17.63	18.36	18.65	20.01	20.15	20.45	21.18	21.47	22.84