

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: P935612

Luminaire Tested: SQ4-FA-125U-100D-830-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935612
REPORT IS A COMBINATION OF REPORTS P933764 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-100D-830-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

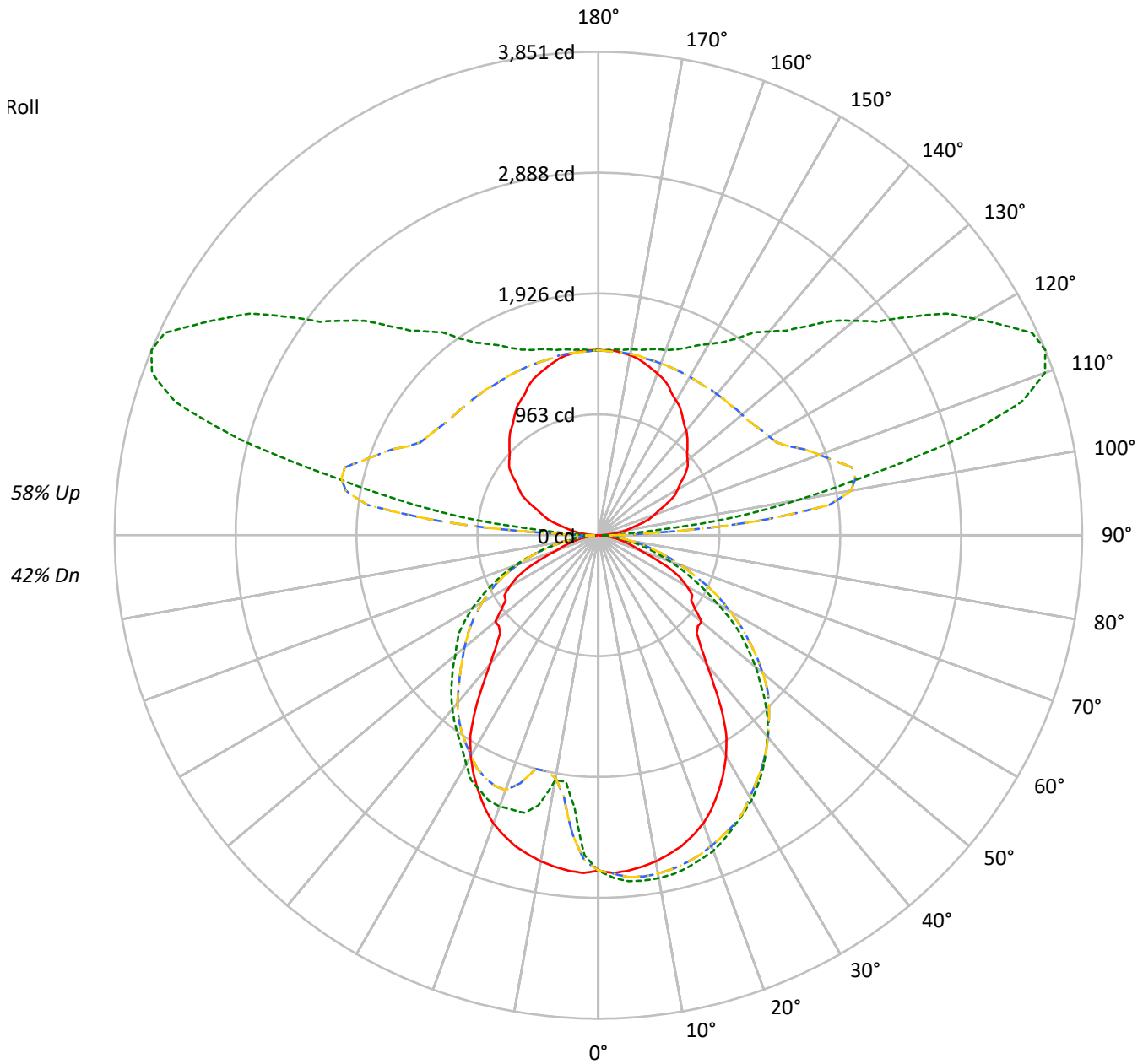
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16491.0 lumens
Efficiency: N/A
Efficacy: 128.0 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): 128.8
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	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	49	49	49	42
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	41	41	41	35
2	87	80	74	69	80	73	68	64	61	57	54	49	46	44	38	36	35	35	35	35	30
3	80	70	63	57	72	65	58	53	53	49	45	43	40	37	34	31	30	30	30	30	25
4	73	62	54	49	66	57	50	45	47	42	38	38	35	32	30	28	25	25	25	25	22
5	67	55	47	41	61	51	44	39	42	37	33	34	31	27	27	24	22	22	22	22	19
6	62	50	42	36	56	46	39	33	38	33	29	31	27	24	24	22	19	19	19	19	16
7	57	45	37	31	52	41	34	29	34	29	25	28	24	21	22	19	17	17	17	17	15
8	53	40	33	28	48	37	31	26	31	26	22	26	22	19	20	18	15	15	15	15	13
9	49	37	30	25	45	34	27	23	29	24	20	24	20	17	19	16	14	14	14	14	12
10	46	34	27	22	42	31	25	21	26	21	18	22	18	15	17	15	13	13	13	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12389	12389	12389	12389
5°	12481	12506	12481	9834
10°	12398	12318	12398	8807
15°	12263	12052	12263	10064
20°	12007	11736	12007	10085
25°	11482	11274	11482	9871
30°	10803	10892	10803	9402
35°	9631	10408	9631	8886
40°	8025	9837	8025	8497
45°	7171	9170	7171	8048
50°	7618	8374	7618	7599
55°	7167	7517	7167	7339
60°	7389	6384	7389	6722
65°	6698	5277	6698	5899
70°	4637	4206	4637	4944
75°	4068	3109	4068	3723
80°	3278	2055	3278	2238
85°	1882	1088	1882	924

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10990 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.0	1.5
10°-20°	684.4	4.1
20°-30°	1057.9	6.4
30°-40°	1262.9	7.7
40°-50°	1270.3	7.7
50°-60°	1105.3	6.7
60°-70°	783.7	4.8
70°-80°	414.6	2.5
80°-90°	108.9	0.7
90°-100°	719.0	4.4
100°-110°	1890.3	11.5
110°-120°	1960.0	11.9
120°-130°	1572.2	9.5
130°-140°	1233.6	7.5
140°-150°	946.8	5.7
150°-160°	681.9	4.1
160°-170°	417.2	2.5
170°-180°	141.0	0.9
0°-30°	1983.3	12.0
0°-40°	3246.2	19.7
0°-60°	5621.8	34.1
0°-90°	6929.0	42.0
90°-120°	4569.3	27.7
90°-150°	8322.0	50.5
90°-180°	9562.0	58.0
0°-180°	16491.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2670	2670	2670	2670	2670	
5°	2683	2766	2683	2175	2683	255
15°	2562	2741	2562	2289	2562	721
25°	2256	2556	2256	2238	2256	1036
35°	1715	2281	1715	1948	1715	1061
45°	1106	1880	1106	1650	1106	886
55°	902	1387	902	1354	902	829
65°	626	836	626	935	626	599
75°	238	397	238	475	238	250
85°	40	101	40	86	40	55
90°	10	38	10	38	10	10
95°	95	435	95	435	95	106
105°	340	2960	340	2960	340	361
115°	605	3811	605	3811	605	597
125°	842	3035	842	3035	842	747
135°	1003	2355	1003	2355	1003	776
145°	1163	1911	1163	1911	1163	729
155°	1315	1645	1315	1645	1315	604
165°	1419	1532	1419	1532	1419	400
175°	1475	1485	1475	1485	1475	140
180°	1475	1475	1475	1475	1475	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2
2.5°	2693.0	2693.0	2708.1	2713.1	2713.1	2705.6	2698.0	2705.6	2728.3	2735.9	2733.4
5°	2682.8	2703.0	2730.8	2735.9	2740.9	2738.4	2733.4	2738.4	2763.7	2768.8	2771.3
7.5°	2662.7	2700.5	2735.9	2743.4	2751.1	2743.4	2740.9	2746.0	2771.3	2776.3	2776.3
10°	2637.3	2690.4	2730.8	2735.9	2743.4	2735.9	2735.9	2746.0	2771.3	2776.3	2778.8
12.5°	2601.9	2675.3	2713.1	2718.2	2728.3	2725.7	2723.3	2733.4	2758.6	2763.7	2763.7
15°	2561.6	2647.5	2682.8	2687.9	2705.6	2700.5	2700.5	2710.6	2738.4	2746.0	2743.4
17.5°	2506.0	2612.1	2652.5	2660.1	2672.7	2670.2	2672.7	2682.8	2708.1	2713.1	2715.7
20°	2442.9	2564.1	2612.1	2619.6	2632.3	2632.3	2632.3	2645.0	2670.2	2680.3	2680.3
22.5°	2356.9	2513.6	2564.1	2569.2	2584.3	2584.3	2589.3	2607.0	2629.8	2632.3	2632.3
25°	2255.9	2458.0	2500.9	2516.1	2531.3	2538.8	2546.4	2556.5	2564.1	2561.6	2564.1
27.5°	2149.8	2387.2	2442.9	2452.9	2473.2	2480.7	2490.9	2493.3	2495.9	2503.5	2498.4
30°	2031.0	2288.8	2372.1	2382.3	2415.0	2420.1	2410.0	2415.0	2427.7	2432.7	2437.8
32.5°	1897.2	2142.2	2298.9	2321.6	2351.9	2336.8	2334.2	2341.8	2362.0	2362.0	2367.1
35°	1715.3	2028.5	2230.6	2250.8	2273.6	2255.9	2266.0	2268.5	2281.2	2288.8	2286.2
37.5°	1515.7	1930.0	2159.9	2175.1	2192.8	2170.0	2185.1	2192.8	2202.8	2197.8	2197.8
40°	1338.9	1776.0	2076.5	2086.7	2101.8	2084.1	2099.3	2104.3	2109.4	2104.3	2101.8
42.5°	1207.5	1606.7	1988.1	2000.7	1990.7	2003.3	2008.4	2018.4	2010.9	2000.7	2000.7
45°	1106.5	1561.1	1892.1	1907.3	1892.1	1912.4	1919.9	1919.9	1897.2	1892.1	1889.6
47.5°	1073.7	1470.2	1796.1	1796.1	1788.6	1813.8	1826.4	1808.8	1786.0	1778.4	1778.4
50°	1071.1	1369.2	1664.8	1654.6	1690.0	1720.3	1707.7	1690.0	1672.3	1644.5	1644.5
52.5°	972.6	1245.4	1495.5	1533.4	1589.0	1606.7	1586.5	1568.8	1538.5	1525.9	1515.7
55°	901.9	1116.6	1341.5	1417.2	1475.3	1498.1	1460.1	1442.5	1397.0	1389.5	1384.4
57.5°	886.7	929.6	1200.0	1296.0	1366.7	1364.1	1341.5	1308.6	1270.7	1263.1	1260.6
60°	813.5	672.0	1048.3	1162.0	1235.3	1227.7	1207.5	1177.2	1141.8	1136.8	1131.7
62.5°	737.6	487.6	876.6	1005.4	1109.0	1106.5	1088.8	1043.3	1018.0	1005.4	995.3
65°	626.5	409.3	624.0	836.2	985.3	990.2	952.4	919.6	891.8	876.6	874.1
67.5°	477.4	333.5	421.9	697.2	866.5	861.5	813.5	798.3	762.9	755.3	740.1
70°	353.6	222.3	293.0	565.9	750.3	737.6	699.8	682.1	649.2	631.5	621.4
72.5°	293.0	179.3	214.7	439.6	631.5	616.4	583.5	563.4	535.6	520.4	510.3
75°	237.5	189.5	164.2	325.9	512.8	502.8	472.4	452.2	429.4	409.3	411.7
77.5°	174.3	176.9	131.4	240.0	406.7	391.6	373.9	348.7	338.5	318.3	318.3
80°	131.4	138.9	98.6	164.2	293.0	293.0	277.9	260.2	242.5	232.4	232.4
82.5°	88.4	88.4	73.2	103.5	199.6	192.0	181.9	176.9	166.7	161.7	161.7
85°	40.4	50.5	45.5	63.2	108.6	113.7	113.7	108.6	106.1	101.0	103.5
87.5°	12.6	22.8	27.8	35.4	55.5	58.1	60.6	60.6	60.6	63.2	63.2
90°	9.9	17.9	25.7	27.7	43.6	64.7	75.2	66.8	50.1	37.6	37.6
92.5°	39.6	106.9	174.3	191.1	268.6	372.0	423.7	371.3	266.6	188.0	180.6
95°	95.0	218.3	341.5	372.3	661.0	1046.0	1238.4	1105.1	838.5	638.5	615.9
97.5°	164.3	273.0	381.7	408.9	890.3	1532.3	1853.2	1769.0	1600.4	1474.1	1430.9
100°	217.8	316.3	414.9	439.6	973.8	1686.1	2042.3	2048.4	2060.8	2070.0	2018.7
102.5°	263.3	355.2	447.2	470.3	1012.1	1734.6	2095.7	2203.1	2417.8	2578.8	2534.8
105°	340.5	418.4	496.3	515.8	1040.4	1740.0	2089.8	2330.4	2811.8	3172.8	3149.2
107.5°	419.8	492.3	564.9	583.1	1045.7	1662.6	1971.0	2306.7	2978.1	3481.7	3487.4
110°	473.2	538.8	604.4	620.7	1037.8	1593.9	1872.0	2247.4	2997.9	3560.8	3585.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	525.7	588.1	650.7	666.2	1038.1	1534.0	1781.9	2166.0	2934.2	3510.3	3548.2
115°	604.9	662.5	720.1	734.5	1047.7	1465.3	1674.1	2044.0	2784.1	3339.1	3391.6
117.5°	683.1	735.5	787.7	800.8	1067.2	1422.2	1599.8	1933.7	2601.6	3102.5	3160.7
120°	728.6	777.9	827.1	839.5	1083.0	1407.7	1570.0	1875.2	2485.4	2943.1	2999.6
122.5°	773.1	822.8	872.5	885.0	1105.7	1400.1	1547.3	1822.0	2371.6	2783.8	2839.5
125°	841.5	886.8	932.1	943.4	1136.4	1393.8	1522.5	1756.0	2222.8	2572.9	2624.2
127.5°	896.9	942.7	988.4	999.9	1167.2	1390.2	1501.8	1702.2	2103.0	2403.6	2446.9
130°	926.6	975.9	1025.1	1037.5	1189.6	1392.4	1493.8	1672.2	2029.1	2296.7	2336.8
132.5°	957.2	1006.6	1055.8	1068.1	1207.7	1393.8	1486.9	1646.6	1966.0	2205.6	2241.4
135°	1002.8	1047.7	1092.6	1103.8	1227.5	1392.5	1475.0	1608.8	1876.2	2076.9	2107.8
137.5°	1049.3	1093.8	1138.2	1149.3	1257.2	1401.1	1473.0	1586.1	1812.3	1981.9	2007.2
140°	1087.9	1128.8	1169.8	1180.0	1275.4	1402.5	1466.1	1563.8	1759.1	1905.7	1929.3
142.5°	1117.7	1155.5	1193.3	1202.7	1290.5	1407.6	1466.1	1551.9	1723.5	1852.2	1872.5
145°	1163.2	1196.1	1229.2	1237.4	1310.4	1407.6	1456.2	1526.3	1666.8	1772.0	1787.4
147.5°	1208.8	1240.9	1273.0	1281.0	1339.5	1417.3	1456.2	1511.4	1621.9	1704.7	1717.5
150°	1238.4	1267.5	1296.5	1303.8	1354.6	1422.3	1456.2	1502.8	1596.1	1666.1	1676.4
152.5°	1269.1	1291.1	1313.1	1318.6	1364.5	1425.6	1456.2	1496.0	1575.7	1635.4	1643.3
155°	1314.7	1330.9	1347.2	1351.3	1386.3	1432.9	1456.2	1487.9	1551.3	1598.8	1604.0
157.5°	1348.3	1364.1	1380.0	1383.9	1408.0	1440.1	1456.2	1480.8	1530.1	1567.1	1570.7
160°	1371.1	1383.4	1395.8	1398.8	1417.9	1443.5	1456.2	1477.3	1519.6	1551.2	1553.3
162.5°	1393.8	1403.0	1412.3	1414.6	1428.5	1446.9	1456.2	1474.0	1509.6	1536.4	1538.4
165°	1418.6	1427.0	1435.3	1437.4	1443.7	1452.0	1456.2	1469.0	1494.5	1513.6	1515.7
167.5°	1441.4	1445.3	1449.3	1450.3	1455.5	1462.6	1466.1	1474.4	1491.2	1503.7	1504.6
170°	1456.2	1460.2	1464.2	1465.2	1465.5	1465.9	1466.1	1474.4	1491.2	1503.7	1503.7
172.5°	1464.1	1465.0	1465.9	1466.1	1466.1	1466.1	1466.1	1472.7	1485.9	1495.9	1495.1
175°	1475.0	1475.0	1475.0	1475.0	1472.0	1468.1	1466.1	1470.3	1478.6	1485.0	1485.0
177.5°	1475.0	1475.0	1475.0	1475.0	1472.7	1469.7	1468.1	1471.4	1478.0	1482.9	1482.1
180°	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2
2.5°	2738.4	2730.8	2738.4	2733.4	2735.9	2728.3	2705.6	2698.0	2705.6	2713.1	2713.1
5°	2771.3	2766.2	2771.3	2771.3	2768.8	2763.7	2738.4	2733.4	2738.4	2740.9	2735.9
7.5°	2781.4	2773.7	2781.4	2776.3	2776.3	2771.3	2746.0	2740.9	2743.4	2751.1	2743.4
10°	2781.4	2773.7	2781.4	2778.8	2776.3	2771.3	2746.0	2735.9	2735.9	2743.4	2735.9
12.5°	2768.8	2763.7	2768.8	2763.7	2763.7	2758.6	2733.4	2723.3	2725.7	2728.3	2718.2
15°	2748.5	2740.9	2748.5	2743.4	2746.0	2738.4	2710.6	2700.5	2700.5	2705.6	2687.9
17.5°	2718.2	2708.1	2718.2	2715.7	2713.1	2708.1	2682.8	2672.7	2670.2	2672.7	2660.1
20°	2682.8	2675.3	2682.8	2680.3	2680.3	2670.2	2645.0	2632.3	2632.3	2632.3	2619.6
22.5°	2627.3	2619.6	2627.3	2632.3	2632.3	2629.8	2607.0	2589.3	2584.3	2584.3	2569.2
25°	2564.1	2556.5	2564.1	2564.1	2561.6	2564.1	2556.5	2546.4	2538.8	2531.3	2516.1
27.5°	2503.5	2498.4	2503.5	2498.4	2503.5	2495.9	2493.3	2490.9	2480.7	2473.2	2452.9
30°	2442.9	2437.8	2442.9	2437.8	2432.7	2427.7	2415.0	2410.0	2420.1	2415.0	2382.3
32.5°	2367.1	2362.0	2367.1	2367.1	2362.0	2362.0	2341.8	2334.2	2336.8	2351.9	2321.6
35°	2288.8	2281.2	2288.8	2286.2	2288.8	2281.2	2268.5	2266.0	2255.9	2273.6	2250.8
37.5°	2197.8	2190.2	2197.8	2197.8	2197.8	2202.8	2192.8	2185.1	2170.0	2192.8	2175.1
40°	2104.3	2094.2	2104.3	2101.8	2104.3	2109.4	2104.3	2099.3	2084.1	2101.8	2086.7
42.5°	1998.2	1995.7	1998.2	2000.7	2000.7	2010.9	2018.4	2008.4	2003.3	1990.7	2000.7
45°	1884.6	1879.5	1884.6	1889.6	1892.1	1897.2	1919.9	1919.9	1912.4	1892.1	1907.3
47.5°	1763.2	1750.6	1763.2	1778.4	1778.4	1786.0	1808.8	1826.4	1813.8	1788.6	1796.1
50°	1634.5	1637.0	1634.5	1644.5	1644.5	1672.3	1690.0	1707.7	1720.3	1690.0	1654.6
52.5°	1508.2	1505.6	1508.2	1515.7	1525.9	1538.5	1568.8	1586.5	1606.7	1589.0	1533.4
55°	1381.8	1386.9	1381.8	1384.4	1389.5	1397.0	1442.5	1460.1	1498.1	1475.3	1417.2
57.5°	1255.5	1248.0	1255.5	1260.6	1263.1	1270.7	1308.6	1341.5	1364.1	1366.7	1296.0
60°	1109.0	1098.9	1109.0	1131.7	1136.8	1141.8	1177.2	1207.5	1227.7	1235.3	1162.0
62.5°	980.2	962.5	980.2	995.3	1005.4	1018.0	1043.3	1088.8	1106.5	1109.0	1005.4
65°	843.8	836.2	843.8	874.1	876.6	891.8	919.6	952.4	990.2	985.3	836.2
67.5°	720.0	720.0	720.0	740.1	755.3	762.9	798.3	813.5	861.5	866.5	697.2
70°	606.3	603.8	606.3	621.4	631.5	649.2	682.1	699.8	737.6	750.3	565.9
72.5°	497.7	495.1	497.7	510.3	520.4	535.6	563.4	583.5	616.4	631.5	439.6
75°	401.7	396.6	401.7	411.7	409.3	429.4	452.2	472.4	502.8	512.8	325.9
77.5°	308.2	308.2	308.2	318.3	318.3	338.5	348.7	373.9	391.6	406.7	240.0
80°	229.9	227.3	229.9	232.4	232.4	242.5	260.2	277.9	293.0	293.0	164.2
82.5°	161.7	156.6	161.7	161.7	161.7	166.7	176.9	181.9	192.0	199.6	103.5
85°	101.0	101.0	101.0	103.5	101.0	106.1	108.6	113.7	113.7	108.6	63.2
87.5°	65.7	63.2	65.7	63.2	63.2	60.6	60.6	60.6	58.1	55.5	35.4
90°	37.6	37.6	37.6	37.6	37.6	50.1	66.8	75.2	64.7	43.6	27.7
92.5°	150.7	120.7	150.7	180.6	188.0	266.6	371.3	423.7	372.0	268.6	191.1
95°	525.2	434.6	525.2	615.9	638.5	838.5	1105.1	1238.4	1046.0	661.0	372.3
97.5°	1258.5	1086.0	1258.5	1430.9	1474.1	1600.4	1769.0	1853.2	1532.3	890.3	408.9
100°	1813.1	1607.7	1813.1	2018.7	2070.0	2060.8	2048.4	2042.3	1686.1	973.8	439.6
102.5°	2358.8	2182.8	2358.8	2534.8	2578.8	2417.8	2203.1	2095.7	1734.6	1012.1	470.3
105°	3054.5	2960.0	3054.5	3149.2	3172.8	2811.8	2330.4	2089.8	1740.0	1040.4	515.8
107.5°	3510.2	3533.1	3510.2	3487.4	3481.7	2978.1	2306.7	1971.0	1662.6	1045.7	583.1
110°	3684.0	3782.6	3684.0	3585.5	3560.8	2997.9	2247.4	1872.0	1593.9	1037.8	620.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3699.5	3850.9	3699.5	3548.2	3510.3	2934.2	2166.0	1781.9	1534.0	1038.1	666.2
115°	3601.4	3811.3	3601.4	3391.6	3339.1	2784.1	2044.0	1674.1	1465.3	1047.7	734.5
117.5°	3393.4	3626.2	3393.4	3160.7	3102.5	2601.6	1933.7	1599.8	1422.2	1067.2	800.8
120°	3225.8	3451.9	3225.8	2999.6	2943.1	2485.4	1875.2	1570.0	1407.7	1083.0	839.5
122.5°	3062.6	3285.7	3062.6	2839.5	2783.8	2371.6	1822.0	1547.3	1400.1	1105.7	885.0
125°	2829.8	3035.2	2829.8	2624.2	2572.9	2222.8	1756.0	1522.5	1393.8	1136.4	943.4
127.5°	2620.3	2793.6	2620.3	2446.9	2403.6	2103.0	1702.2	1501.8	1390.2	1167.2	999.9
130°	2496.9	2657.0	2496.9	2336.8	2296.7	2029.1	1672.2	1493.8	1392.4	1189.6	1037.5
132.5°	2384.9	2528.3	2384.9	2241.4	2205.6	1966.0	1646.6	1486.9	1393.8	1207.7	1068.1
135°	2231.5	2355.1	2231.5	2107.8	2076.9	1876.2	1608.8	1475.0	1392.5	1227.5	1103.8
137.5°	2108.4	2209.6	2108.4	2007.2	1981.9	1812.3	1586.1	1473.0	1401.1	1257.2	1149.3
140°	2023.9	2118.5	2023.9	1929.3	1905.7	1759.1	1563.8	1466.1	1402.5	1275.4	1180.0
142.5°	1953.9	2035.3	1953.9	1872.5	1852.2	1723.5	1551.9	1466.1	1407.6	1290.5	1202.7
145°	1849.0	1910.6	1849.0	1787.4	1772.0	1666.8	1526.3	1456.2	1407.6	1310.4	1237.4
147.5°	1768.5	1819.6	1768.5	1717.5	1704.7	1621.9	1511.4	1456.2	1417.3	1339.5	1281.0
150°	1717.8	1759.1	1717.8	1676.4	1666.1	1596.1	1502.8	1456.2	1422.3	1354.6	1303.8
152.5°	1674.4	1705.7	1674.4	1643.3	1635.4	1575.7	1496.0	1456.2	1425.6	1364.5	1318.6
155°	1624.6	1645.3	1624.6	1604.0	1598.8	1551.3	1487.9	1456.2	1432.9	1386.3	1351.3
157.5°	1585.2	1599.8	1585.2	1570.7	1567.1	1530.1	1480.8	1456.2	1440.1	1408.0	1383.9
160°	1561.6	1570.0	1561.6	1553.3	1551.2	1519.6	1477.3	1456.2	1443.5	1417.9	1398.8
162.5°	1546.3	1554.3	1546.3	1538.4	1536.4	1509.6	1474.0	1456.2	1446.9	1428.5	1414.6
165°	1524.1	1532.5	1524.1	1515.7	1513.6	1494.5	1469.0	1456.2	1452.0	1443.7	1437.4
167.5°	1508.1	1511.6	1508.1	1504.6	1503.7	1491.2	1474.4	1466.1	1462.6	1455.5	1450.3
170°	1503.7	1503.7	1503.7	1503.7	1503.7	1491.2	1474.4	1466.1	1465.9	1465.5	1465.2
172.5°	1491.9	1488.9	1491.9	1495.1	1495.9	1485.9	1472.7	1466.1	1466.1	1466.1	1466.1
175°	1485.0	1485.0	1485.0	1485.0	1485.0	1478.6	1470.3	1466.1	1468.1	1472.0	1475.0
177.5°	1478.5	1475.0	1478.5	1482.1	1482.9	1478.0	1471.4	1468.1	1469.7	1472.7	1475.0
180°	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2
2.5°	2708.1	2693.0	2693.0	2667.7	2657.6	2650.0	2637.3	2599.5	2589.3	2579.3	2594.4
5°	2730.8	2703.0	2682.8	2637.3	2599.5	2584.3	2536.3	2445.4	2384.7	2339.2	2314.0
7.5°	2735.9	2700.5	2662.7	2591.9	2500.9	2460.6	2314.0	2147.3	2101.8	2061.4	2036.1
10°	2730.8	2690.4	2637.3	2531.3	2316.5	2245.8	2099.3	1990.7	1962.9	1955.3	1962.9
12.5°	2713.1	2675.3	2601.9	2425.2	2124.5	2076.5	1990.7	1927.5	1922.4	1935.0	2003.3
15°	2682.8	2647.5	2561.6	2283.7	2018.4	1983.0	1922.4	1899.7	1927.5	2015.9	2220.5
17.5°	2652.5	2612.1	2506.0	2144.8	1937.6	1912.4	1869.4	1914.9	2071.5	2190.2	2258.5
20°	2612.1	2564.1	2442.9	2043.7	1879.5	1856.7	1836.6	2041.2	2159.9	2202.8	2240.8
22.5°	2564.1	2513.6	2356.9	1973.0	1818.9	1801.2	1813.8	2111.9	2159.9	2190.2	2223.1
25°	2500.9	2458.0	2255.9	1917.4	1770.9	1750.6	1798.6	2104.3	2132.1	2139.7	2205.4
27.5°	2442.9	2387.2	2149.8	1866.9	1712.8	1705.2	1811.3	2071.5	2091.7	2099.3	2170.0
30°	2372.1	2288.8	2031.0	1813.8	1652.2	1649.6	1813.8	2031.0	2026.1	2046.2	2117.0
32.5°	2298.9	2142.2	1897.2	1748.1	1594.0	1591.5	1796.1	1970.4	1965.3	1993.2	2046.2
35°	2230.6	2028.5	1715.3	1672.3	1520.8	1523.3	1753.2	1899.7	1902.2	1927.5	1960.4
37.5°	2159.9	1930.0	1515.7	1589.0	1450.1	1450.1	1695.1	1834.0	1829.0	1836.6	1882.0
40°	2076.5	1776.0	1338.9	1480.4	1384.4	1376.7	1624.3	1763.2	1745.6	1743.1	1806.3
42.5°	1988.1	1606.7	1207.5	1336.4	1308.6	1298.4	1538.5	1677.4	1644.5	1652.2	1732.9
45°	1892.1	1561.1	1106.5	1129.2	1230.3	1222.7	1445.0	1578.8	1556.2	1576.3	1659.7
47.5°	1796.1	1470.2	1073.7	937.3	1146.9	1144.3	1341.5	1482.9	1470.2	1490.5	1578.8
50°	1664.8	1369.2	1071.1	803.3	1053.4	1063.6	1217.7	1389.5	1389.5	1407.1	1500.5
52.5°	1495.5	1245.4	972.6	727.5	944.8	975.1	1109.0	1308.6	1313.6	1331.3	1414.7
55°	1341.5	1116.6	901.9	669.5	815.9	881.6	1002.9	1225.2	1235.3	1253.0	1328.7
57.5°	1200.0	929.6	886.7	601.2	697.2	760.4	909.4	1144.3	1149.4	1164.6	1237.8
60°	1048.3	672.0	813.5	528.0	593.7	641.7	823.5	1048.3	1066.0	1076.2	1139.4
62.5°	876.6	487.6	737.6	477.4	543.1	553.2	752.8	957.4	980.2	987.7	1025.6
65°	624.0	409.3	626.5	434.5	490.0	492.6	677.0	863.9	884.2	896.8	924.5
67.5°	421.9	333.5	477.4	394.1	449.7	452.2	603.8	755.3	783.2	793.2	810.9
70°	293.0	222.3	353.6	351.1	404.2	409.3	525.4	656.8	682.1	689.7	699.8
72.5°	214.7	179.3	293.0	315.8	356.2	361.3	444.6	545.7	570.9	578.5	583.5
75°	164.2	189.5	237.5	275.3	303.1	305.6	363.8	444.6	462.3	467.4	469.9
77.5°	131.4	176.9	174.3	222.3	247.6	242.5	285.5	343.6	358.7	358.7	358.7
80°	98.6	138.9	131.4	159.2	181.9	176.9	204.6	245.0	250.1	255.2	252.6
82.5°	73.2	88.4	88.4	101.0	121.2	116.2	136.4	159.2	159.2	159.2	164.2
85°	45.5	50.5	40.4	53.1	68.2	65.7	75.8	85.8	88.4	88.4	83.4
87.5°	27.8	22.8	12.6	20.2	30.3	30.3	35.4	37.9	35.4	35.4	35.4
90°	25.7	17.9	9.9	17.9	25.7	27.7	43.6	64.7	75.2	66.8	50.1
92.5°	174.3	106.9	39.6	106.9	174.3	191.1	268.6	372.0	423.7	371.3	266.6
95°	341.5	218.3	95.0	218.3	341.5	372.3	661.0	1046.0	1238.4	1105.1	838.5
97.5°	381.7	273.0	164.3	273.0	381.7	408.9	890.3	1532.3	1853.2	1769.0	1600.4
100°	414.9	316.3	217.8	316.3	414.9	439.6	973.8	1686.1	2042.3	2048.4	2060.8
102.5°	447.2	355.2	263.3	355.2	447.2	470.3	1012.1	1734.6	2095.7	2203.1	2417.8
105°	496.3	418.4	340.5	418.4	496.3	515.8	1040.4	1740.0	2089.8	2330.4	2811.8
107.5°	564.9	492.3	419.8	492.3	564.9	583.1	1045.7	1662.6	1971.0	2306.7	2978.1
110°	604.4	538.8	473.2	538.8	604.4	620.7	1037.8	1593.9	1872.0	2247.4	2997.9



TEST NUMBER: P935612

CATALOG NUMBER: SQ4-FA-125U-100D-830-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	650.7	588.1	525.7	588.1	650.7	666.2	1038.1	1534.0	1781.9	2166.0	2934.2
115°	720.1	662.5	604.9	662.5	720.1	734.5	1047.7	1465.3	1674.1	2044.0	2784.1
117.5°	787.7	735.5	683.1	735.5	787.7	800.8	1067.2	1422.2	1599.8	1933.7	2601.6
120°	827.1	777.9	728.6	777.9	827.1	839.5	1083.0	1407.7	1570.0	1875.2	2485.4
122.5°	872.5	822.8	773.1	822.8	872.5	885.0	1105.7	1400.1	1547.3	1822.0	2371.6
125°	932.1	886.8	841.5	886.8	932.1	943.4	1136.4	1393.8	1522.5	1756.0	2222.8
127.5°	988.4	942.7	896.9	942.7	988.4	999.9	1167.2	1390.2	1501.8	1702.2	2103.0
130°	1025.1	975.9	926.6	975.9	1025.1	1037.5	1189.6	1392.4	1493.8	1672.2	2029.1
132.5°	1055.8	1006.6	957.2	1006.6	1055.8	1068.1	1207.7	1393.8	1486.9	1646.6	1966.0
135°	1092.6	1047.7	1002.8	1047.7	1092.6	1103.8	1227.5	1392.5	1475.0	1608.8	1876.2
137.5°	1138.2	1093.8	1049.3	1093.8	1138.2	1149.3	1257.2	1401.1	1473.0	1586.1	1812.3
140°	1169.8	1128.8	1087.9	1128.8	1169.8	1180.0	1275.4	1402.5	1466.1	1563.8	1759.1
142.5°	1193.3	1155.5	1117.7	1155.5	1193.3	1202.7	1290.5	1407.6	1466.1	1551.9	1723.5
145°	1229.2	1196.1	1163.2	1196.1	1229.2	1237.4	1310.4	1407.6	1456.2	1526.3	1666.8
147.5°	1273.0	1240.9	1208.8	1240.9	1273.0	1281.0	1339.5	1417.3	1456.2	1511.4	1621.9
150°	1296.5	1267.5	1238.4	1267.5	1296.5	1303.8	1354.6	1422.3	1456.2	1502.8	1596.1
152.5°	1313.1	1291.1	1269.1	1291.1	1313.1	1318.6	1364.5	1425.6	1456.2	1496.0	1575.7
155°	1347.2	1330.9	1314.7	1330.9	1347.2	1351.3	1386.3	1432.9	1456.2	1487.9	1551.3
157.5°	1380.0	1364.1	1348.3	1364.1	1380.0	1383.9	1408.0	1440.1	1456.2	1480.8	1530.1
160°	1395.8	1383.4	1371.1	1383.4	1395.8	1398.8	1417.9	1443.5	1456.2	1477.3	1519.6
162.5°	1412.3	1403.0	1393.8	1403.0	1412.3	1414.6	1428.5	1446.9	1456.2	1474.0	1509.6
165°	1435.3	1427.0	1418.6	1427.0	1435.3	1437.4	1443.7	1452.0	1456.2	1469.0	1494.5
167.5°	1449.3	1445.3	1441.4	1445.3	1449.3	1450.3	1455.5	1462.6	1466.1	1474.4	1491.2
170°	1464.2	1460.2	1456.2	1460.2	1464.2	1465.2	1465.5	1465.9	1466.1	1474.4	1491.2
172.5°	1465.9	1465.0	1464.1	1465.0	1465.9	1466.1	1466.1	1466.1	1466.1	1472.7	1485.9
175°	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1472.0	1468.1	1466.1	1470.3	1478.6
177.5°	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1472.7	1469.7	1468.1	1471.4	1478.0
180°	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0



TEST NUMBER: P935612
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2	2670.2
2.5°	2576.7	2569.2	2579.3	2551.5	2579.3	2569.2	2576.7	2594.4	2579.3	2589.3	2599.5
5°	2260.9	2248.3	2207.9	2175.1	2207.9	2248.3	2260.9	2314.0	2339.2	2384.7	2445.4
7.5°	2021.0	2010.9	2000.7	1980.5	2000.7	2010.9	2021.0	2036.1	2061.4	2101.8	2147.3
10°	1967.9	1970.4	1985.6	1983.0	1985.6	1970.4	1967.9	1962.9	1955.3	1962.9	1990.7
12.5°	2104.3	2127.1	2210.5	2205.4	2210.5	2127.1	2104.3	2003.3	1935.0	1922.4	1927.5
15°	2260.9	2268.5	2286.2	2288.8	2286.2	2268.5	2260.9	2220.5	2015.9	1927.5	1899.7
17.5°	2276.1	2278.6	2291.2	2291.2	2291.2	2278.6	2276.1	2258.5	2190.2	2071.5	1914.9
20°	2263.5	2268.5	2293.8	2298.9	2293.8	2268.5	2263.5	2240.8	2202.8	2159.9	2041.2
22.5°	2258.5	2268.5	2288.8	2286.2	2288.8	2268.5	2258.5	2223.1	2190.2	2159.9	2111.9
25°	2233.1	2233.1	2235.7	2238.2	2235.7	2233.1	2233.1	2205.4	2139.7	2132.1	2104.3
27.5°	2180.2	2185.1	2200.3	2197.8	2200.3	2185.1	2180.2	2170.0	2099.3	2091.7	2071.5
30°	2132.1	2127.1	2114.4	2104.3	2114.4	2127.1	2132.1	2117.0	2046.2	2026.1	2031.0
32.5°	2051.3	2038.7	2026.1	2018.4	2026.1	2038.7	2051.3	2046.2	1993.2	1965.3	1970.4
35°	1955.3	1957.8	1955.3	1947.7	1955.3	1957.8	1955.3	1960.4	1927.5	1902.2	1899.7
37.5°	1887.0	1892.1	1889.6	1879.5	1889.6	1892.1	1887.0	1882.0	1836.6	1829.0	1834.0
40°	1816.3	1818.9	1816.3	1808.8	1816.3	1818.9	1816.3	1806.3	1743.1	1745.6	1763.2
42.5°	1748.1	1745.6	1738.0	1732.9	1738.0	1745.6	1748.1	1732.9	1652.2	1644.5	1677.4
45°	1669.8	1672.3	1657.2	1649.6	1657.2	1672.3	1669.8	1659.7	1576.3	1556.2	1578.8
47.5°	1591.5	1591.5	1578.8	1571.3	1578.8	1591.5	1591.5	1578.8	1490.5	1470.2	1482.9
50°	1508.2	1505.6	1487.9	1485.4	1487.9	1505.6	1508.2	1500.5	1407.1	1389.5	1389.5
52.5°	1412.1	1412.1	1414.7	1419.8	1414.7	1412.1	1412.1	1414.7	1331.3	1313.6	1308.6
55°	1328.7	1331.3	1349.0	1354.1	1349.0	1331.3	1328.7	1328.7	1253.0	1235.3	1225.2
57.5°	1242.9	1242.9	1255.5	1255.5	1255.5	1242.9	1242.9	1237.8	1164.6	1149.4	1144.3
60°	1144.3	1149.4	1159.5	1157.0	1159.5	1149.4	1144.3	1139.4	1076.2	1066.0	1048.3
62.5°	1040.8	1045.9	1048.3	1043.3	1048.3	1045.9	1040.8	1025.6	987.7	980.2	957.4
65°	932.2	937.3	939.7	934.7	939.7	937.3	932.2	924.5	896.8	884.2	863.9
67.5°	821.0	818.5	815.9	826.1	815.9	818.5	821.0	810.9	793.2	783.2	755.3
70°	707.3	707.3	704.8	709.8	704.8	707.3	707.3	699.8	689.7	682.1	656.8
72.5°	586.1	583.5	593.7	586.1	593.7	583.5	586.1	583.5	578.5	570.9	545.7
75°	467.4	472.4	467.4	474.9	467.4	472.4	467.4	469.9	467.4	462.3	444.6
77.5°	356.2	361.3	356.2	356.2	356.2	361.3	356.2	358.7	358.7	358.7	343.6
80°	252.6	250.1	250.1	247.6	250.1	250.1	252.6	252.6	255.2	250.1	245.0
82.5°	161.7	159.2	159.2	164.2	159.2	159.2	161.7	164.2	159.2	159.2	159.2
85°	88.4	90.9	85.8	85.8	85.8	90.9	88.4	83.4	88.4	88.4	85.8
87.5°	32.9	30.3	30.3	30.3	30.3	30.3	32.9	35.4	35.4	35.4	37.9
90°	37.6	37.6	37.6	37.6	37.6	37.6	37.6	50.1	66.8	75.2	64.7
92.5°	188.0	180.6	150.7	120.7	150.7	180.6	188.0	266.6	371.3	423.7	372.0
95°	638.5	615.9	525.2	434.6	525.2	615.9	638.5	838.5	1105.1	1238.4	1046.0
97.5°	1474.1	1430.9	1258.5	1086.0	1258.5	1430.9	1474.1	1600.4	1769.0	1853.2	1532.3
100°	2070.0	2018.7	1813.1	1607.7	1813.1	2018.7	2070.0	2060.8	2048.4	2042.3	1686.1
102.5°	2578.8	2534.8	2358.8	2182.8	2358.8	2534.8	2578.8	2417.8	2203.1	2095.7	1734.6
105°	3172.8	3149.2	3054.5	2960.0	3054.5	3149.2	3172.8	2811.8	2330.4	2089.8	1740.0
107.5°	3481.7	3487.4	3510.2	3533.1	3510.2	3487.4	3481.7	2978.1	2306.7	1971.0	1662.6
110°	3560.8	3585.5	3684.0	3782.6	3684.0	3585.5	3560.8	2997.9	2247.4	1872.0	1593.9



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3510.3	3548.2	3699.5	3850.9	3699.5	3548.2	3510.3	2934.2	2166.0	1781.9	1534.0
115°	3339.1	3391.6	3601.4	3811.3	3601.4	3391.6	3339.1	2784.1	2044.0	1674.1	1465.3
117.5°	3102.5	3160.7	3393.4	3626.2	3393.4	3160.7	3102.5	2601.6	1933.7	1599.8	1422.2
120°	2943.1	2999.6	3225.8	3451.9	3225.8	2999.6	2943.1	2485.4	1875.2	1570.0	1407.7
122.5°	2783.8	2839.5	3062.6	3285.7	3062.6	2839.5	2783.8	2371.6	1822.0	1547.3	1400.1
125°	2572.9	2624.2	2829.8	3035.2	2829.8	2624.2	2572.9	2222.8	1756.0	1522.5	1393.8
127.5°	2403.6	2446.9	2620.3	2793.6	2620.3	2446.9	2403.6	2103.0	1702.2	1501.8	1390.2
130°	2296.7	2336.8	2496.9	2657.0	2496.9	2336.8	2296.7	2029.1	1672.2	1493.8	1392.4
132.5°	2205.6	2241.4	2384.9	2528.3	2384.9	2241.4	2205.6	1966.0	1646.6	1486.9	1393.8
135°	2076.9	2107.8	2231.5	2355.1	2231.5	2107.8	2076.9	1876.2	1608.8	1475.0	1392.5
137.5°	1981.9	2007.2	2108.4	2209.6	2108.4	2007.2	1981.9	1812.3	1586.1	1473.0	1401.1
140°	1905.7	1929.3	2023.9	2118.5	2023.9	1929.3	1905.7	1759.1	1563.8	1466.1	1402.5
142.5°	1852.2	1872.5	1953.9	2035.3	1953.9	1872.5	1852.2	1723.5	1551.9	1466.1	1407.6
145°	1772.0	1787.4	1849.0	1910.6	1849.0	1787.4	1772.0	1666.8	1526.3	1456.2	1407.6
147.5°	1704.7	1717.5	1768.5	1819.6	1768.5	1717.5	1704.7	1621.9	1511.4	1456.2	1417.3
150°	1666.1	1676.4	1717.8	1759.1	1717.8	1676.4	1666.1	1596.1	1502.8	1456.2	1422.3
152.5°	1635.4	1643.3	1674.4	1705.7	1674.4	1643.3	1635.4	1575.7	1496.0	1456.2	1425.6
155°	1598.8	1604.0	1624.6	1645.3	1624.6	1604.0	1598.8	1551.3	1487.9	1456.2	1432.9
157.5°	1567.1	1570.7	1585.2	1599.8	1585.2	1570.7	1567.1	1530.1	1480.8	1456.2	1440.1
160°	1551.2	1553.3	1561.6	1570.0	1561.6	1553.3	1551.2	1519.6	1477.3	1456.2	1443.5
162.5°	1536.4	1538.4	1546.3	1554.3	1546.3	1538.4	1536.4	1509.6	1474.0	1456.2	1446.9
165°	1513.6	1515.7	1524.1	1532.5	1524.1	1515.7	1513.6	1494.5	1469.0	1456.2	1452.0
167.5°	1503.7	1504.6	1508.1	1511.6	1508.1	1504.6	1503.7	1491.2	1474.4	1466.1	1462.6
170°	1503.7	1503.7	1503.7	1503.7	1503.7	1503.7	1503.7	1491.2	1474.4	1466.1	1465.9
172.5°	1495.9	1495.1	1491.9	1488.9	1491.9	1495.1	1495.9	1485.9	1472.7	1466.1	1466.1
175°	1485.0	1485.0	1485.0	1485.0	1485.0	1485.0	1485.0	1478.6	1470.3	1466.1	1468.1
177.5°	1482.9	1482.1	1478.5	1475.0	1478.5	1482.1	1482.9	1478.0	1471.4	1468.1	1469.7
180°	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2670.2	2670.2	2670.2	2670.2	2670.2
2.5°	2637.3	2650.0	2657.6	2667.7	2693.0
5°	2536.3	2584.3	2599.5	2637.3	2682.8
7.5°	2314.0	2460.6	2500.9	2591.9	2662.7
10°	2099.3	2245.8	2316.5	2531.3	2637.3
12.5°	1990.7	2076.5	2124.5	2425.2	2601.9
15°	1922.4	1983.0	2018.4	2283.7	2561.6
17.5°	1869.4	1912.4	1937.6	2144.8	2506.0
20°	1836.6	1856.7	1879.5	2043.7	2442.9
22.5°	1813.8	1801.2	1818.9	1973.0	2356.9
25°	1798.6	1750.6	1770.9	1917.4	2255.9
27.5°	1811.3	1705.2	1712.8	1866.9	2149.8
30°	1813.8	1649.6	1652.2	1813.8	2031.0
32.5°	1796.1	1591.5	1594.0	1748.1	1897.2
35°	1753.2	1523.3	1520.8	1672.3	1715.3
37.5°	1695.1	1450.1	1450.1	1589.0	1515.7
40°	1624.3	1376.7	1384.4	1480.4	1338.9
42.5°	1538.5	1298.4	1308.6	1336.4	1207.5
45°	1445.0	1222.7	1230.3	1129.2	1106.5
47.5°	1341.5	1144.3	1146.9	937.3	1073.7
50°	1217.7	1063.6	1053.4	803.3	1071.1
52.5°	1109.0	975.1	944.8	727.5	972.6
55°	1002.9	881.6	815.9	669.5	901.9
57.5°	909.4	760.4	697.2	601.2	886.7
60°	823.5	641.7	593.7	528.0	813.5
62.5°	752.8	553.2	543.1	477.4	737.6
65°	677.0	492.6	490.0	434.5	626.5
67.5°	603.8	452.2	449.7	394.1	477.4
70°	525.4	409.3	404.2	351.1	353.6
72.5°	444.6	361.3	356.2	315.8	293.0
75°	363.8	305.6	303.1	275.3	237.5
77.5°	285.5	242.5	247.6	222.3	174.3
80°	204.6	176.9	181.9	159.2	131.4
82.5°	136.4	116.2	121.2	101.0	88.4
85°	75.8	65.7	68.2	53.1	40.4
87.5°	35.4	30.3	30.3	20.2	12.6
90°	43.6	27.7	25.7	17.9	9.9
92.5°	268.6	191.1	174.3	106.9	39.6
95°	661.0	372.3	341.5	218.3	95.0
97.5°	890.3	408.9	381.7	273.0	164.3
100°	973.8	439.6	414.9	316.3	217.8
102.5°	1012.1	470.3	447.2	355.2	263.3
105°	1040.4	515.8	496.3	418.4	340.5
107.5°	1045.7	583.1	564.9	492.3	419.8
110°	1037.8	620.7	604.4	538.8	473.2



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1038.1	666.2	650.7	588.1	525.7
115°	1047.7	734.5	720.1	662.5	604.9
117.5°	1067.2	800.8	787.7	735.5	683.1
120°	1083.0	839.5	827.1	777.9	728.6
122.5°	1105.7	885.0	872.5	822.8	773.1
125°	1136.4	943.4	932.1	886.8	841.5
127.5°	1167.2	999.9	988.4	942.7	896.9
130°	1189.6	1037.5	1025.1	975.9	926.6
132.5°	1207.7	1068.1	1055.8	1006.6	957.2
135°	1227.5	1103.8	1092.6	1047.7	1002.8
137.5°	1257.2	1149.3	1138.2	1093.8	1049.3
140°	1275.4	1180.0	1169.8	1128.8	1087.9
142.5°	1290.5	1202.7	1193.3	1155.5	1117.7
145°	1310.4	1237.4	1229.2	1196.1	1163.2
147.5°	1339.5	1281.0	1273.0	1240.9	1208.8
150°	1354.6	1303.8	1296.5	1267.5	1238.4
152.5°	1364.5	1318.6	1313.1	1291.1	1269.1
155°	1386.3	1351.3	1347.2	1330.9	1314.7
157.5°	1408.0	1383.9	1380.0	1364.1	1348.3
160°	1417.9	1398.8	1395.8	1383.4	1371.1
162.5°	1428.5	1414.6	1412.3	1403.0	1393.8
165°	1443.7	1437.4	1435.3	1427.0	1418.6
167.5°	1455.5	1450.3	1449.3	1445.3	1441.4
170°	1465.5	1465.2	1464.2	1460.2	1456.2
172.5°	1466.1	1466.1	1465.9	1465.0	1464.1
175°	1472.0	1475.0	1475.0	1475.0	1475.0
177.5°	1472.7	1475.0	1475.0	1475.0	1475.0
180°	1475.0	1475.0	1475.0	1475.0	1475.0



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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	12.77	13.56	13.79	14.59	15.97	15.60	16.40	16.63	17.43	18.81
	3H	13.24	13.95	14.27	14.99	16.39	16.95	17.66	17.98	18.70	20.10
	4H	13.43	14.10	14.47	15.14	16.55	17.39	18.06	18.43	19.10	20.51
	6H	13.54	14.16	14.60	15.21	16.63	17.67	18.29	18.73	19.34	20.76
	8H	13.54	14.13	14.60	15.19	16.61	17.75	18.34	18.81	19.40	20.81
	12H	13.51	14.07	14.57	15.13	16.57	17.78	18.34	18.85	19.40	20.84
4H	2H	13.79	14.47	14.84	15.51	16.92	16.00	16.68	17.06	17.72	19.13
	3H	14.81	15.37	15.87	16.44	17.87	17.51	18.07	18.57	19.14	20.56
	4H	15.09	15.60	16.15	16.66	18.10	18.03	18.55	19.10	19.61	21.05
	6H	15.21	15.65	16.28	16.73	18.17	18.40	18.84	19.47	19.92	21.36
	8H	15.21	15.62	16.29	16.70	18.15	18.50	18.91	19.58	19.99	21.44
	12H	15.17	15.55	16.27	16.64	18.10	18.56	18.93	19.65	20.02	21.48
8H	4H	15.54	15.95	16.61	17.02	18.48	18.15	18.56	19.23	19.64	21.09
	6H	15.79	16.13	16.89	17.25	18.70	18.59	18.93	19.69	20.05	21.50
	8H	15.84	16.13	16.94	17.24	18.71	18.74	19.04	19.85	20.14	21.61
	12H	15.82	16.08	16.93	17.18	18.69	18.84	19.10	19.95	20.20	21.71
12H	4H	15.54	15.91	16.63	17.00	18.46	18.11	18.49	19.21	19.58	21.03
	6H	15.85	16.15	16.96	17.26	18.73	18.58	18.88	19.69	19.98	21.45
	8H	15.92	16.18	17.03	17.28	18.79	18.74	19.01	19.85	20.10	21.61