

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: P936088

Luminaire Tested: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-6-3000K

Issue Date: 12/17/2024

**Test Information**

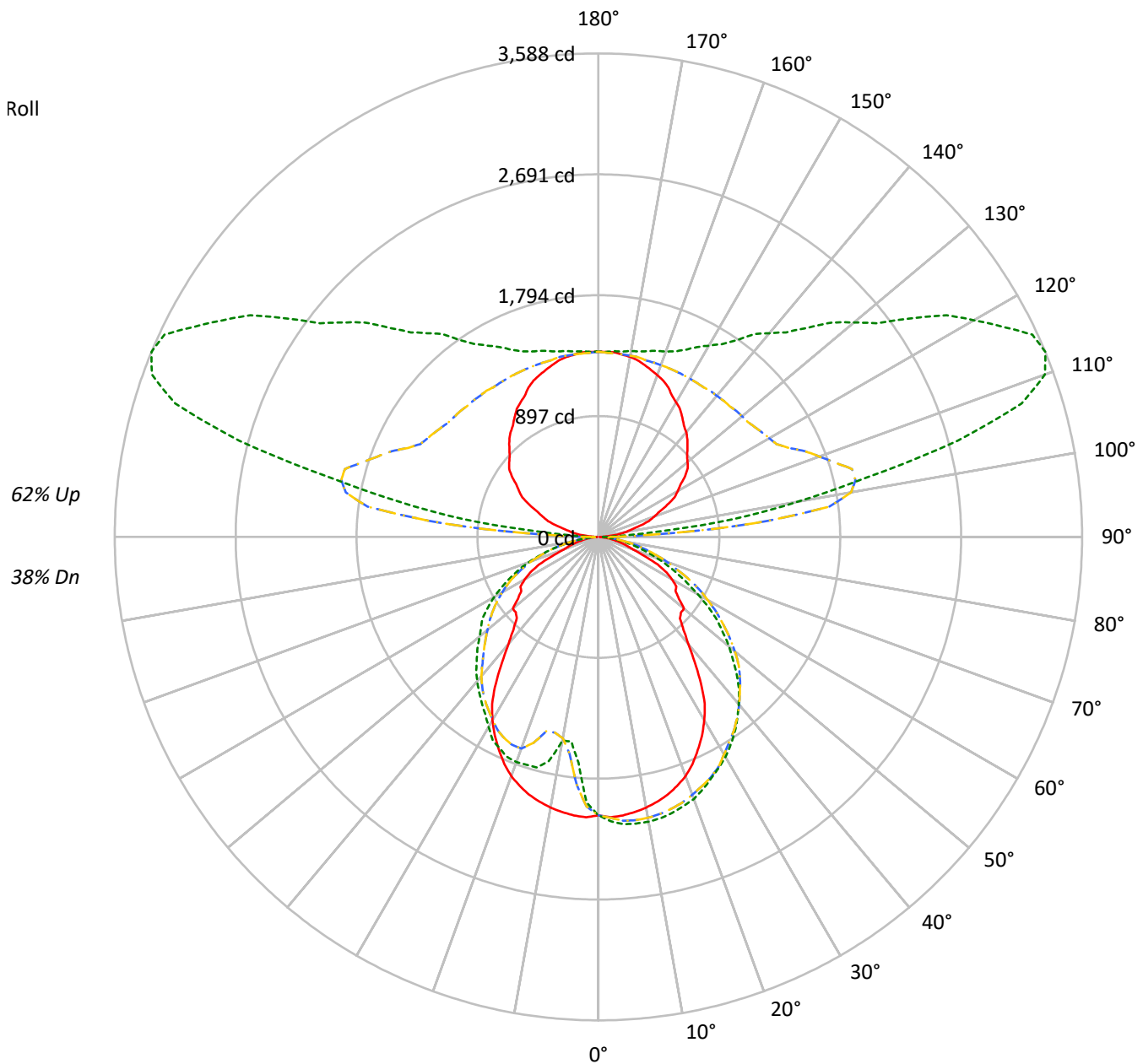
Test Method: LM-79-2019  
Report Number: P936088  
REPORT IS A COMBINATION OF REPORTS P933779 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-6-3000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14270.4 lumens  
Efficiency: N/A  
Efficacy: 131.4 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')  
CIE Type: Semi-Indirect  
  
Input Watts (W): 108.6  
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



— 0°-180°    - - 45°-225°    - - - 90°-270°    - · - 135°-315°



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	104	104	104	104	94	94	94	94	76	76	76	60	60	60	45	45	45	38
1	95	91	87	84	86	83	79	76	67	65	63	53	51	50	40	39	38	32
2	87	79	73	68	78	72	67	63	59	55	52	46	44	42	35	33	32	27
3	79	70	62	57	71	63	57	52	52	47	44	41	38	35	31	29	27	23
4	72	62	54	48	65	56	49	44	46	41	37	36	33	30	28	25	23	19
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17
6	61	49	41	35	55	45	38	33	37	32	28	29	26	23	22	20	18	15
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	20	18	16	13
8	52	40	32	27	47	37	30	25	30	25	21	24	21	18	19	16	14	12
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13	10
10	45	33	26	21	41	31	24	20	25	21	17	21	17	14	16	13	11	9

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	12776	12776	12776	12776
5°	12867	12897	12867	10141
10°	12776	12704	12776	9082
15°	12633	12429	12633	10379
20°	12364	12103	12364	10400
25°	11818	11627	11818	10180
30°	11115	11232	11115	9696
35°	9904	10732	9904	9164
40°	8248	10145	8248	8762
45°	7364	9457	7364	8300
50°	7817	8636	7817	7837
55°	7349	7752	7349	7568
60°	7566	6583	7566	6932
65°	6849	5442	6849	6083
70°	4730	4337	4730	5099
75°	4134	3205	4134	3840
80°	3307	2120	3307	2308
85°	1866	1123	1866	955

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 11295 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	186.4	1.3
10°-20°	529.3	3.7
20°-30°	818.2	5.7
30°-40°	976.8	6.8
40°-50°	982.5	6.9
50°-60°	854.9	6.0
60°-70°	606.1	4.2
70°-80°	320.7	2.2
80°-90°	85.1	0.6
90°-100°	670.0	4.7
100°-110°	1761.4	12.3
110°-120°	1826.4	12.8
120°-130°	1465.0	10.3
130°-140°	1149.5	8.1
140°-150°	882.3	6.2
150°-160°	635.4	4.5
160°-170°	388.8	2.7
170°-180°	131.3	0.9
0°-30°	1534.0	10.7
0°-40°	2510.8	17.6
0°-60°	4348.3	30.5
0°-90°	5360.2	37.6
90°-120°	4257.9	29.8
90°-150°	7754.7	54.3
90°-180°	8910.0	62.4
0°-180°	14270.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2065	2065	2065	2065	2065	
5°	2075	2140	2075	1682	2075	197
15°	1981	2120	1981	1770	1981	557
25°	1745	1977	1745	1731	1745	801
35°	1327	1764	1327	1506	1327	821
45°	856	1454	856	1276	856	686
55°	698	1073	698	1047	698	641
65°	485	647	485	723	485	463
75°	184	307	184	367	184	193
85°	31	78	31	66	31	42
90°	9	35	9	35	9	9
95°	88	405	88	405	88	98
105°	317	2758	317	2758	317	336
115°	564	3552	564	3552	564	557
125°	784	2828	784	2828	784	696
135°	934	2194	934	2194	934	723
145°	1084	1780	1084	1780	1084	679
155°	1225	1533	1225	1533	1225	563
165°	1322	1428	1322	1428	1322	373
175°	1374	1384	1374	1384	1374	130
180°	1374	1374	1374	1374	1374	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2065.3	2065.3	2065.3	2065.3	2065.3	2065.3	2065.3	2065.3	2065.3	2065.3	2065.3
2.5°	2082.9	2082.9	2094.7	2098.5	2098.5	2092.7	2086.8	2092.7	2110.2	2116.2	2114.2
5°	2075.0	2090.7	2112.2	2116.2	2120.0	2118.0	2114.2	2118.0	2137.5	2141.5	2143.5
7.5°	2059.5	2088.7	2116.2	2122.0	2127.8	2122.0	2120.0	2123.9	2143.5	2147.4	2147.4
10°	2039.9	2081.0	2112.2	2116.2	2122.0	2116.2	2116.2	2123.9	2143.5	2147.4	2149.3
12.5°	2012.5	2069.2	2098.5	2102.4	2110.2	2108.3	2106.3	2114.2	2133.7	2137.5	2137.5
15°	1981.3	2047.7	2075.0	2079.0	2092.7	2088.7	2088.7	2096.5	2118.0	2123.9	2122.0
17.5°	1938.3	2020.3	2051.7	2057.5	2067.2	2065.3	2067.2	2075.0	2094.7	2098.5	2100.5
20°	1889.5	1983.2	2020.3	2026.2	2036.0	2036.0	2036.0	2045.8	2065.3	2073.2	2073.2
22.5°	1823.0	1944.2	1983.2	1987.2	1998.9	1998.9	2002.8	2016.5	2034.0	2036.0	2036.0
25°	1744.8	1901.2	1934.4	1946.1	1957.8	1963.7	1969.5	1977.4	1983.2	1981.3	1983.2
27.5°	1662.8	1846.5	1889.5	1897.3	1912.9	1918.8	1926.5	1928.5	1930.5	1936.3	1932.5
30°	1571.0	1770.3	1834.7	1842.5	1868.0	1871.8	1864.0	1868.0	1877.7	1881.7	1885.5
32.5°	1467.4	1657.0	1778.1	1795.7	1819.1	1807.3	1805.5	1811.3	1827.0	1827.0	1830.8
35°	1326.8	1569.0	1725.3	1741.0	1758.5	1744.8	1752.7	1754.6	1764.3	1770.3	1768.3
37.5°	1172.4	1492.8	1670.6	1682.3	1696.0	1678.5	1690.1	1696.0	1703.8	1700.0	1700.0
40°	1035.6	1373.6	1606.1	1614.0	1625.7	1612.0	1623.7	1627.6	1631.5	1627.6	1625.7
42.5°	933.9	1242.7	1537.8	1547.5	1539.7	1549.5	1553.3	1561.2	1555.3	1547.5	1547.5
45°	855.8	1207.6	1463.5	1475.3	1463.5	1479.1	1485.0	1485.0	1467.4	1463.5	1461.5
47.5°	830.4	1137.2	1389.3	1389.3	1383.4	1402.9	1412.6	1399.0	1381.4	1375.6	1375.6
50°	828.4	1059.1	1287.6	1279.8	1307.1	1330.6	1320.8	1307.1	1293.5	1272.0	1272.0
52.5°	752.2	963.3	1156.7	1186.1	1229.0	1242.7	1227.1	1213.4	1189.9	1180.1	1172.4
55°	697.6	863.6	1037.6	1096.1	1141.1	1158.6	1129.4	1115.7	1080.6	1074.6	1070.8
57.5°	685.9	719.1	928.1	1002.4	1057.1	1055.1	1037.6	1012.1	982.8	976.9	975.1
60°	629.2	519.7	810.9	898.8	955.4	949.6	933.9	910.6	883.2	879.3	875.4
62.5°	570.5	377.1	678.0	777.7	857.8	855.8	842.1	806.9	787.4	777.7	769.9
65°	484.6	316.5	482.6	646.7	762.1	765.9	736.6	711.2	689.7	678.0	676.1
67.5°	369.3	257.9	326.3	539.2	670.2	666.3	629.2	617.4	590.1	584.2	572.5
70°	273.5	172.0	226.7	437.7	580.4	570.5	541.2	527.6	502.2	488.5	480.7
72.5°	226.7	138.7	166.0	340.0	488.5	476.7	451.4	435.7	414.2	402.5	394.7
75°	183.7	146.5	127.0	252.0	396.7	388.9	365.4	349.7	332.2	316.5	318.5
77.5°	134.8	136.8	101.6	185.7	314.5	302.9	289.2	269.7	261.8	246.2	246.2
80°	101.6	107.5	76.2	127.0	226.7	226.7	214.9	201.2	187.5	179.7	179.7
82.5°	68.4	68.4	56.7	80.1	154.4	148.5	140.7	136.8	129.0	125.0	125.0
85°	31.3	39.0	35.2	48.8	84.0	88.0	88.0	84.0	82.0	78.2	80.1
87.5°	9.8	17.6	21.5	27.3	43.0	45.0	46.9	46.9	46.9	48.8	48.8
90°	9.3	16.7	24.0	25.8	40.6	60.2	70.1	62.3	46.7	35.1	35.1
92.5°	36.9	99.6	162.4	178.1	250.3	346.7	394.8	346.0	248.5	175.3	168.3
95°	88.5	203.3	318.2	346.9	616.0	974.7	1154.0	1029.8	781.3	595.0	573.9
97.5°	153.1	254.4	355.7	381.0	829.6	1427.8	1726.9	1648.4	1491.3	1373.6	1333.4
100°	202.9	294.8	386.6	409.6	907.4	1571.2	1903.1	1908.8	1920.3	1928.9	1881.1
102.5°	245.4	331.1	416.8	438.2	943.1	1616.3	1952.9	2052.9	2252.9	2403.0	2362.0
105°	317.3	389.9	462.4	480.6	969.5	1621.4	1947.4	2171.6	2620.1	2956.5	2934.4
107.5°	391.1	458.8	526.4	543.3	974.4	1549.2	1836.6	2149.5	2775.1	3244.3	3249.7
110°	440.9	502.1	563.1	578.4	967.1	1485.2	1744.3	2094.1	2793.5	3318.1	3341.1



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	489.8	548.0	606.2	620.8	967.4	1429.4	1660.4	2018.3	2734.2	3271.1	3306.4
115°	563.6	617.3	671.1	684.5	976.2	1365.3	1559.9	1904.7	2594.3	3111.4	3160.3
117.5°	636.5	685.3	734.1	746.3	994.5	1325.3	1490.7	1801.9	2424.2	2891.0	2945.2
120°	679.0	724.9	770.9	782.3	1009.2	1311.8	1463.0	1747.4	2316.0	2742.5	2795.1
122.5°	720.5	766.8	813.2	824.7	1030.4	1304.7	1441.8	1697.9	2209.9	2594.0	2645.9
125°	784.1	826.3	868.6	879.1	1059.0	1298.9	1418.8	1636.3	2071.2	2397.5	2445.3
127.5°	835.7	878.3	921.0	931.7	1087.6	1295.4	1399.3	1586.1	1959.6	2239.7	2280.1
130°	863.4	909.4	955.3	966.8	1108.6	1297.6	1392.0	1558.3	1890.8	2140.1	2177.4
132.5°	892.0	938.0	983.9	995.4	1125.4	1298.9	1385.5	1534.3	1832.0	2055.2	2088.6
135°	934.4	976.2	1018.1	1028.6	1143.9	1297.6	1374.5	1499.1	1748.4	1935.3	1964.1
137.5°	977.8	1019.2	1060.6	1071.0	1171.6	1305.6	1372.6	1478.0	1688.7	1846.8	1870.3
140°	1013.8	1052.0	1090.0	1099.6	1188.4	1306.9	1366.2	1457.2	1639.2	1775.8	1797.8
142.5°	1041.4	1076.7	1112.0	1120.8	1202.6	1311.7	1366.2	1446.2	1606.0	1725.9	1744.8
145°	1083.9	1114.7	1145.4	1153.1	1221.1	1311.7	1356.9	1422.3	1553.1	1651.3	1665.6
147.5°	1126.3	1156.3	1186.2	1193.7	1248.1	1320.6	1356.9	1408.4	1511.2	1588.4	1600.4
150°	1154.0	1181.0	1208.0	1214.9	1262.2	1325.4	1356.9	1400.4	1487.3	1552.5	1562.1
152.5°	1182.6	1203.1	1223.6	1228.8	1271.4	1328.4	1356.9	1394.0	1468.3	1523.9	1531.2
155°	1225.0	1240.2	1255.4	1259.1	1291.8	1335.2	1356.9	1386.4	1445.5	1489.7	1494.6
157.5°	1256.4	1271.2	1285.9	1289.6	1312.1	1341.9	1356.9	1379.9	1425.9	1460.3	1463.6
160°	1277.7	1289.1	1300.5	1303.4	1321.2	1345.0	1356.9	1376.7	1416.0	1445.5	1447.4
162.5°	1298.9	1307.4	1316.0	1318.2	1331.1	1348.4	1356.9	1373.5	1406.7	1431.7	1433.5
165°	1321.9	1329.7	1337.4	1339.4	1345.2	1353.0	1356.9	1368.9	1392.6	1410.5	1412.4
167.5°	1343.1	1346.8	1350.5	1351.4	1356.3	1362.9	1366.2	1374.0	1389.6	1401.2	1402.0
170°	1356.9	1360.6	1364.3	1365.2	1365.5	1366.0	1366.2	1374.0	1389.6	1401.2	1401.2
172.5°	1364.3	1365.1	1366.0	1366.2	1366.2	1366.2	1366.2	1372.3	1384.6	1393.8	1393.1
175°	1374.5	1374.5	1374.5	1374.5	1371.7	1368.1	1366.2	1370.0	1377.8	1383.7	1383.7
177.5°	1374.5	1374.5	1374.5	1374.5	1372.3	1369.5	1368.0	1371.0	1377.2	1381.9	1381.1
180°	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2065.3	2065.3	2065.3	2065.3	2065.3	2065.3	2065.3	2065.3	2065.3	2065.3	2065.3
2.5°	2118.0	2112.2	2118.0	2114.2	2116.2	2110.2	2092.7	2086.8	2092.7	2098.5	2098.5
5°	2143.5	2139.5	2143.5	2143.5	2141.5	2137.5	2118.0	2114.2	2118.0	2120.0	2116.2
7.5°	2151.3	2145.4	2151.3	2147.4	2147.4	2143.5	2123.9	2120.0	2122.0	2127.8	2122.0
10°	2151.3	2145.4	2151.3	2149.3	2147.4	2143.5	2123.9	2116.2	2116.2	2122.0	2116.2
12.5°	2141.5	2137.5	2141.5	2137.5	2137.5	2133.7	2114.2	2106.3	2108.3	2110.2	2102.4
15°	2125.9	2120.0	2125.9	2122.0	2123.9	2118.0	2096.5	2088.7	2088.7	2092.7	2079.0
17.5°	2102.4	2094.7	2102.4	2100.5	2098.5	2094.7	2075.0	2067.2	2065.3	2067.2	2057.5
20°	2075.0	2069.2	2075.0	2073.2	2073.2	2065.3	2045.8	2036.0	2036.0	2036.0	2026.2
22.5°	2032.0	2026.2	2032.0	2036.0	2036.0	2034.0	2016.5	2002.8	1998.9	1998.9	1987.2
25°	1983.2	1977.4	1983.2	1983.2	1981.3	1983.2	1977.4	1969.5	1963.7	1957.8	1946.1
27.5°	1936.3	1932.5	1936.3	1932.5	1936.3	1930.5	1928.5	1926.5	1918.8	1912.9	1897.3
30°	1889.5	1885.5	1889.5	1885.5	1881.7	1877.7	1868.0	1864.0	1871.8	1868.0	1842.5
32.5°	1830.8	1827.0	1830.8	1830.8	1827.0	1827.0	1811.3	1805.5	1807.3	1819.1	1795.7
35°	1770.3	1764.3	1770.3	1768.3	1770.3	1764.3	1754.6	1752.7	1744.8	1758.5	1741.0
37.5°	1700.0	1694.0	1700.0	1700.0	1700.0	1703.8	1696.0	1690.1	1678.5	1696.0	1682.3
40°	1627.6	1619.8	1627.6	1625.7	1627.6	1631.5	1627.6	1623.7	1612.0	1625.7	1614.0
42.5°	1545.6	1543.6	1545.6	1547.5	1547.5	1555.3	1561.2	1553.3	1549.5	1539.7	1547.5
45°	1457.6	1453.8	1457.6	1461.5	1463.5	1467.4	1485.0	1485.0	1479.1	1463.5	1475.3
47.5°	1363.8	1354.1	1363.8	1375.6	1375.6	1381.4	1399.0	1412.6	1402.9	1383.4	1389.3
50°	1264.2	1266.1	1264.2	1272.0	1272.0	1293.5	1307.1	1320.8	1330.6	1307.1	1279.8
52.5°	1166.5	1164.6	1166.5	1172.4	1180.1	1189.9	1213.4	1227.1	1242.7	1229.0	1186.1
55°	1068.8	1072.7	1068.8	1070.8	1074.6	1080.6	1115.7	1129.4	1158.6	1141.1	1096.1
57.5°	971.1	965.2	971.1	975.1	976.9	982.8	1012.1	1037.6	1055.1	1057.1	1002.4
60°	857.8	849.9	857.8	875.4	879.3	883.2	910.6	933.9	949.6	955.4	898.8
62.5°	758.1	744.4	758.1	769.9	777.7	787.4	806.9	842.1	855.8	857.8	777.7
65°	652.6	646.7	652.6	676.1	678.0	689.7	711.2	736.6	765.9	762.1	646.7
67.5°	556.9	556.9	556.9	572.5	584.2	590.1	617.4	629.2	666.3	670.2	539.2
70°	468.9	467.0	468.9	480.7	488.5	502.2	527.6	541.2	570.5	580.4	437.7
72.5°	384.9	383.0	384.9	394.7	402.5	414.2	435.7	451.4	476.7	488.5	340.0
75°	310.7	306.7	310.7	318.5	316.5	332.2	349.7	365.4	388.9	396.7	252.0
77.5°	238.4	238.4	238.4	246.2	246.2	261.8	269.7	289.2	302.9	314.5	185.7
80°	177.8	175.9	177.8	179.7	179.7	187.5	201.2	214.9	226.7	226.7	127.0
82.5°	125.0	121.2	125.0	125.0	125.0	129.0	136.8	140.7	148.5	154.4	80.1
85°	78.2	78.2	78.2	80.1	78.2	82.0	84.0	88.0	88.0	84.0	48.8
87.5°	50.8	48.8	50.8	48.8	48.8	46.9	46.9	46.9	45.0	43.0	27.3
90°	35.1	35.1	35.1	35.1	35.1	46.7	62.3	70.1	60.2	40.6	25.8
92.5°	140.4	112.5	140.4	168.3	175.3	248.5	346.0	394.8	346.7	250.3	178.1
95°	489.4	405.0	489.4	573.9	595.0	781.3	1029.8	1154.0	974.7	616.0	346.9
97.5°	1172.6	1011.9	1172.6	1333.4	1373.6	1491.3	1648.4	1726.9	1427.8	829.6	381.0
100°	1689.6	1498.1	1689.6	1881.1	1928.9	1920.3	1908.8	1903.1	1571.2	907.4	409.6
102.5°	2198.0	2034.0	2198.0	2362.0	2403.0	2252.9	2052.9	1952.9	1616.3	943.1	438.2
105°	2846.3	2758.1	2846.3	2934.4	2956.5	2620.1	2171.6	1947.4	1621.4	969.5	480.6
107.5°	3271.0	3292.3	3271.0	3249.7	3244.3	2775.1	2149.5	1836.6	1549.2	974.4	543.3
110°	3432.9	3524.8	3432.9	3341.1	3318.1	2793.5	2094.1	1744.3	1485.2	967.1	578.4





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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3447.4	3588.3	3447.4	3306.4	3271.1	2734.2	2018.3	1660.4	1429.4	967.4	620.8
115°	3355.9	3551.5	3355.9	3160.3	3111.4	2594.3	1904.7	1559.9	1365.3	976.2	684.5
117.5°	3162.1	3379.0	3162.1	2945.2	2891.0	2424.2	1801.9	1490.7	1325.3	994.5	746.3
120°	3005.9	3216.6	3005.9	2795.1	2742.5	2316.0	1747.4	1463.0	1311.8	1009.2	782.3
122.5°	2853.8	3061.6	2853.8	2645.9	2594.0	2209.9	1697.9	1441.8	1304.7	1030.4	824.7
125°	2636.8	2828.2	2636.8	2445.3	2397.5	2071.2	1636.3	1418.8	1298.9	1059.0	879.1
127.5°	2441.6	2603.2	2441.6	2280.1	2239.7	1959.6	1586.1	1399.3	1295.4	1087.6	931.7
130°	2326.7	2475.8	2326.7	2177.4	2140.1	1890.8	1558.3	1392.0	1297.6	1108.6	966.8
132.5°	2222.2	2355.9	2222.2	2088.6	2055.2	1832.0	1534.3	1385.5	1298.9	1125.4	995.4
135°	2079.4	2194.5	2079.4	1964.1	1935.3	1748.4	1499.1	1374.5	1297.6	1143.9	1028.6
137.5°	1964.7	2059.0	1964.7	1870.3	1846.8	1688.7	1478.0	1372.6	1305.6	1171.6	1071.0
140°	1885.9	1974.1	1885.9	1797.8	1775.8	1639.2	1457.2	1366.2	1306.9	1188.4	1099.6
142.5°	1820.7	1896.6	1820.7	1744.8	1725.9	1606.0	1446.2	1366.2	1311.7	1202.6	1120.8
145°	1722.9	1780.3	1722.9	1665.6	1651.3	1553.1	1422.3	1356.9	1311.7	1221.1	1153.1
147.5°	1647.9	1695.5	1647.9	1600.4	1588.4	1511.2	1408.4	1356.9	1320.6	1248.1	1193.7
150°	1600.7	1639.2	1600.7	1562.1	1552.5	1487.3	1400.4	1356.9	1325.4	1262.2	1214.9
152.5°	1560.2	1589.4	1560.2	1531.2	1523.9	1468.3	1394.0	1356.9	1328.4	1271.4	1228.8
155°	1513.8	1533.1	1513.8	1494.6	1489.7	1445.5	1386.4	1356.9	1335.2	1291.8	1259.1
157.5°	1477.2	1490.7	1477.2	1463.6	1460.3	1425.9	1379.9	1356.9	1341.9	1312.1	1289.6
160°	1455.2	1463.0	1455.2	1447.4	1445.5	1416.0	1376.7	1356.9	1345.0	1321.2	1303.4
162.5°	1440.8	1448.2	1440.8	1433.5	1431.7	1406.7	1373.5	1356.9	1348.4	1331.1	1318.2
165°	1420.1	1427.9	1420.1	1412.4	1410.5	1392.6	1368.9	1356.9	1353.0	1345.2	1339.4
167.5°	1405.3	1408.6	1405.3	1402.0	1401.2	1389.6	1374.0	1366.2	1362.9	1356.3	1351.4
170°	1401.2	1401.2	1401.2	1401.2	1401.2	1389.6	1374.0	1366.2	1366.0	1365.5	1365.2
172.5°	1390.3	1387.4	1390.3	1393.1	1393.8	1384.6	1372.3	1366.2	1366.2	1366.2	1366.2
175°	1383.7	1383.7	1383.7	1383.7	1383.7	1377.8	1370.0	1366.2	1368.1	1371.7	1374.5
177.5°	1377.7	1374.5	1377.7	1381.1	1381.9	1377.2	1371.0	1368.0	1369.5	1372.3	1374.5
180°	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5



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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2065.3	2065.3	2065.3	2065.3	2065.3	2065.3	2065.3	2065.3	2065.3	2065.3	2065.3
2.5°	2094.7	2082.9	2082.9	2063.3	2055.5	2049.7	2039.9	2010.6	2002.8	1995.0	2006.7
5°	2112.2	2090.7	2075.0	2039.9	2010.6	1998.9	1961.7	1891.4	1844.5	1809.3	1789.8
7.5°	2116.2	2088.7	2059.5	2004.7	1934.4	1903.1	1789.8	1660.8	1625.7	1594.4	1574.8
10°	2112.2	2081.0	2039.9	1957.8	1791.8	1737.0	1623.7	1539.7	1518.2	1512.3	1518.2
12.5°	2098.5	2069.2	2012.5	1875.8	1643.3	1606.1	1539.7	1490.8	1487.0	1496.7	1549.5
15°	2075.0	2047.7	1981.3	1766.3	1561.2	1533.8	1487.0	1469.3	1490.8	1559.3	1717.5
17.5°	2051.7	2020.3	1938.3	1658.8	1498.6	1479.1	1445.9	1481.1	1602.2	1694.0	1746.8
20°	2020.3	1983.2	1889.5	1580.8	1453.8	1436.1	1420.5	1578.8	1670.6	1703.8	1733.1
22.5°	1983.2	1944.2	1823.0	1526.0	1406.8	1393.1	1402.9	1633.5	1670.6	1694.0	1719.5
25°	1934.4	1901.2	1744.8	1483.0	1369.8	1354.1	1391.2	1627.6	1649.1	1655.0	1705.8
27.5°	1889.5	1846.5	1662.8	1444.0	1324.8	1318.9	1401.0	1602.2	1617.8	1623.7	1678.5
30°	1834.7	1770.3	1571.0	1402.9	1277.9	1275.9	1402.9	1571.0	1567.0	1582.7	1637.4
32.5°	1778.1	1657.0	1467.4	1352.1	1232.9	1231.0	1389.3	1524.1	1520.1	1541.6	1582.7
35°	1725.3	1569.0	1326.8	1293.5	1176.3	1178.2	1356.0	1469.3	1471.3	1490.8	1516.3
37.5°	1670.6	1492.8	1172.4	1229.0	1121.6	1121.6	1311.1	1418.6	1414.6	1420.5	1455.6
40°	1606.1	1373.6	1035.6	1145.0	1070.8	1064.9	1256.4	1363.8	1350.1	1348.3	1397.1
42.5°	1537.8	1242.7	933.9	1033.6	1012.1	1004.3	1189.9	1297.4	1272.0	1277.9	1340.4
45°	1463.5	1207.6	855.8	873.4	951.6	945.7	1117.6	1221.2	1203.6	1219.3	1283.8
47.5°	1389.3	1137.2	830.4	724.9	887.1	885.1	1037.6	1146.9	1137.2	1152.8	1221.2
50°	1287.6	1059.1	828.4	621.4	814.8	822.6	941.8	1074.6	1074.6	1088.3	1160.6
52.5°	1156.7	963.3	752.2	562.7	730.7	754.2	857.8	1012.1	1016.1	1029.7	1094.2
55°	1037.6	863.6	697.6	517.7	631.1	681.9	775.7	947.6	955.4	969.1	1027.8
57.5°	928.1	719.1	685.9	465.0	539.2	588.1	703.4	885.1	889.1	900.8	957.4
60°	810.9	519.7	629.2	408.4	459.2	496.3	637.0	810.9	824.6	832.4	881.2
62.5°	678.0	377.1	570.5	369.3	420.1	427.9	582.2	740.6	758.1	764.0	793.3
65°	482.6	316.5	484.6	336.0	379.0	381.0	523.7	668.2	683.9	693.7	715.1
67.5°	326.3	257.9	369.3	304.8	347.8	349.7	467.0	584.2	605.7	613.5	627.2
70°	226.7	172.0	273.5	271.6	312.7	316.5	406.4	508.0	527.6	533.4	541.2
72.5°	166.0	138.7	226.7	244.2	275.5	279.4	343.9	422.0	441.6	447.4	451.4
75°	127.0	146.5	183.7	213.0	234.5	236.4	281.4	343.9	357.5	361.5	363.4
77.5°	101.6	136.8	134.8	172.0	191.5	187.5	220.8	265.7	277.5	277.5	277.5
80°	76.2	107.5	101.6	123.1	140.7	136.8	158.3	189.5	193.5	197.3	195.4
82.5°	56.7	68.4	68.4	78.2	93.8	89.9	105.5	123.1	123.1	123.1	127.0
85°	35.2	39.0	31.3	41.0	52.8	50.8	58.7	66.5	68.4	68.4	64.5
87.5°	21.5	17.6	9.8	15.7	23.5	23.5	27.3	29.3	27.3	27.3	27.3
90°	24.0	16.7	9.3	16.7	24.0	25.8	40.6	60.2	70.1	62.3	46.7
92.5°	162.4	99.6	36.9	99.6	162.4	178.1	250.3	346.7	394.8	346.0	248.5
95°	318.2	203.3	88.5	203.3	318.2	346.9	616.0	974.7	1154.0	1029.8	781.3
97.5°	355.7	254.4	153.1	254.4	355.7	381.0	829.6	1427.8	1726.9	1648.4	1491.3
100°	386.6	294.8	202.9	294.8	386.6	409.6	907.4	1571.2	1903.1	1908.8	1920.3
102.5°	416.8	331.1	245.4	331.1	416.8	438.2	943.1	1616.3	1952.9	2052.9	2252.9
105°	462.4	389.9	317.3	389.9	462.4	480.6	969.5	1621.4	1947.4	2171.6	2620.1
107.5°	526.4	458.8	391.1	458.8	526.4	543.3	974.4	1549.2	1836.6	2149.5	2775.1
110°	563.1	502.1	440.9	502.1	563.1	578.4	967.1	1485.2	1744.3	2094.1	2793.5



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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	606.2	548.0	489.8	548.0	606.2	620.8	967.4	1429.4	1660.4	2018.3	2734.2
115°	671.1	617.3	563.6	617.3	671.1	684.5	976.2	1365.3	1559.9	1904.7	2594.3
117.5°	734.1	685.3	636.5	685.3	734.1	746.3	994.5	1325.3	1490.7	1801.9	2424.2
120°	770.9	724.9	679.0	724.9	770.9	782.3	1009.2	1311.8	1463.0	1747.4	2316.0
122.5°	813.2	766.8	720.5	766.8	813.2	824.7	1030.4	1304.7	1441.8	1697.9	2209.9
125°	868.6	826.3	784.1	826.3	868.6	879.1	1059.0	1298.9	1418.8	1636.3	2071.2
127.5°	921.0	878.3	835.7	878.3	921.0	931.7	1087.6	1295.4	1399.3	1586.1	1959.6
130°	955.3	909.4	863.4	909.4	955.3	966.8	1108.6	1297.6	1392.0	1558.3	1890.8
132.5°	983.9	938.0	892.0	938.0	983.9	995.4	1125.4	1298.9	1385.5	1534.3	1832.0
135°	1018.1	976.2	934.4	976.2	1018.1	1028.6	1143.9	1297.6	1374.5	1499.1	1748.4
137.5°	1060.6	1019.2	977.8	1019.2	1060.6	1071.0	1171.6	1305.6	1372.6	1478.0	1688.7
140°	1090.0	1052.0	1013.8	1052.0	1090.0	1099.6	1188.4	1306.9	1366.2	1457.2	1639.2
142.5°	1112.0	1076.7	1041.4	1076.7	1112.0	1120.8	1202.6	1311.7	1366.2	1446.2	1606.0
145°	1145.4	1114.7	1083.9	1114.7	1145.4	1153.1	1221.1	1311.7	1356.9	1422.3	1553.1
147.5°	1186.2	1156.3	1126.3	1156.3	1186.2	1193.7	1248.1	1320.6	1356.9	1408.4	1511.2
150°	1208.0	1181.0	1154.0	1181.0	1208.0	1214.9	1262.2	1325.4	1356.9	1400.4	1487.3
152.5°	1223.6	1203.1	1182.6	1203.1	1223.6	1228.8	1271.4	1328.4	1356.9	1394.0	1468.3
155°	1255.4	1240.2	1225.0	1240.2	1255.4	1259.1	1291.8	1335.2	1356.9	1386.4	1445.5
157.5°	1285.9	1271.2	1256.4	1271.2	1285.9	1289.6	1312.1	1341.9	1356.9	1379.9	1425.9
160°	1300.5	1289.1	1277.7	1289.1	1300.5	1303.4	1321.2	1345.0	1356.9	1376.7	1416.0
162.5°	1316.0	1307.4	1298.9	1307.4	1316.0	1318.2	1331.1	1348.4	1356.9	1373.5	1406.7
165°	1337.4	1329.7	1321.9	1329.7	1337.4	1339.4	1345.2	1353.0	1356.9	1368.9	1392.6
167.5°	1350.5	1346.8	1343.1	1346.8	1350.5	1351.4	1356.3	1362.9	1366.2	1374.0	1389.6
170°	1364.3	1360.6	1356.9	1360.6	1364.3	1365.2	1365.5	1366.0	1366.2	1374.0	1389.6
172.5°	1366.0	1365.1	1364.3	1365.1	1366.0	1366.2	1366.2	1366.2	1366.2	1372.3	1384.6
175°	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1371.7	1368.1	1366.2	1370.0	1377.8
177.5°	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1372.3	1369.5	1368.0	1371.0	1377.2
180°	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5



TEST NUMBER: P936088  
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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2065.3	2065.3	2065.3	2065.3	2065.3	2065.3	2065.3	2065.3	2065.3	2065.3	2065.3
2.5°	1993.0	1987.2	1995.0	1973.5	1995.0	1987.2	1993.0	2006.7	1995.0	2002.8	2010.6
5°	1748.8	1739.0	1707.8	1682.3	1707.8	1739.0	1748.8	1789.8	1809.3	1844.5	1891.4
7.5°	1563.1	1555.3	1547.5	1531.8	1547.5	1555.3	1563.1	1574.8	1594.4	1625.7	1660.8
10°	1522.1	1524.1	1535.8	1533.8	1535.8	1524.1	1522.1	1518.2	1512.3	1518.2	1539.7
12.5°	1627.6	1645.2	1709.7	1705.8	1709.7	1645.2	1627.6	1549.5	1496.7	1487.0	1490.8
15°	1748.8	1754.6	1768.3	1770.3	1768.3	1754.6	1748.8	1717.5	1559.3	1490.8	1469.3
17.5°	1760.5	1762.5	1772.2	1772.2	1772.2	1762.5	1760.5	1746.8	1694.0	1602.2	1481.1
20°	1750.7	1754.6	1774.2	1778.1	1774.2	1754.6	1750.7	1733.1	1703.8	1670.6	1578.8
22.5°	1746.8	1754.6	1770.3	1768.3	1770.3	1754.6	1746.8	1719.5	1694.0	1670.6	1633.5
25°	1727.3	1727.3	1729.2	1731.2	1729.2	1727.3	1727.3	1705.8	1655.0	1649.1	1627.6
27.5°	1686.3	1690.1	1701.8	1700.0	1701.8	1690.1	1686.3	1678.5	1623.7	1617.8	1602.2
30°	1649.1	1645.2	1635.5	1627.6	1635.5	1645.2	1649.1	1637.4	1582.7	1567.0	1571.0
32.5°	1586.6	1576.8	1567.0	1561.2	1567.0	1576.8	1586.6	1582.7	1541.6	1520.1	1524.1
35°	1512.3	1514.3	1512.3	1506.5	1512.3	1514.3	1512.3	1516.3	1490.8	1471.3	1469.3
37.5°	1459.6	1463.5	1461.5	1453.8	1461.5	1463.5	1459.6	1455.6	1420.5	1414.6	1418.6
40°	1404.9	1406.8	1404.9	1399.0	1404.9	1406.8	1404.9	1397.1	1348.3	1350.1	1363.8
42.5°	1352.1	1350.1	1344.3	1340.4	1344.3	1350.1	1352.1	1340.4	1277.9	1272.0	1297.4
45°	1291.6	1293.5	1281.8	1275.9	1281.8	1293.5	1291.6	1283.8	1219.3	1203.6	1221.2
47.5°	1231.0	1231.0	1221.2	1215.3	1221.2	1231.0	1231.0	1221.2	1152.8	1137.2	1146.9
50°	1166.5	1164.6	1150.9	1148.9	1150.9	1164.6	1166.5	1160.6	1088.3	1074.6	1074.6
52.5°	1092.3	1092.3	1094.2	1098.1	1094.2	1092.3	1092.3	1094.2	1029.7	1016.1	1012.1
55°	1027.8	1029.7	1043.4	1047.3	1043.4	1029.7	1027.8	1027.8	969.1	955.4	947.6
57.5°	961.4	961.4	971.1	971.1	971.1	961.4	961.4	957.4	900.8	889.1	885.1
60°	885.1	889.1	896.9	894.9	896.9	889.1	885.1	881.2	832.4	824.6	810.9
62.5°	805.0	808.9	810.9	806.9	810.9	808.9	805.0	793.3	764.0	758.1	740.6
65°	721.0	724.9	726.9	722.9	726.9	724.9	721.0	715.1	693.7	683.9	668.2
67.5°	635.0	633.1	631.1	638.9	631.1	633.1	635.0	627.2	613.5	605.7	584.2
70°	547.1	547.1	545.2	549.0	545.2	547.1	547.1	541.2	533.4	527.6	508.0
72.5°	453.3	451.4	459.2	453.3	459.2	451.4	453.3	451.4	447.4	441.6	422.0
75°	361.5	365.4	361.5	367.4	361.5	365.4	361.5	363.4	361.5	357.5	343.9
77.5°	275.5	279.4	275.5	275.5	275.5	279.4	275.5	277.5	277.5	277.5	265.7
80°	195.4	193.5	193.5	191.5	193.5	193.5	195.4	195.4	197.3	193.5	189.5
82.5°	125.0	123.1	123.1	127.0	123.1	123.1	125.0	127.0	123.1	123.1	123.1
85°	68.4	70.3	66.5	66.5	66.5	70.3	68.4	64.5	68.4	68.4	66.5
87.5°	25.4	23.5	23.5	23.5	23.5	23.5	25.4	27.3	27.3	27.3	29.3
90°	35.1	35.1	35.1	35.1	35.1	35.1	35.1	46.7	62.3	70.1	60.2
92.5°	175.3	168.3	140.4	112.5	140.4	168.3	175.3	248.5	346.0	394.8	346.7
95°	595.0	573.9	489.4	405.0	489.4	573.9	595.0	781.3	1029.8	1154.0	974.7
97.5°	1373.6	1333.4	1172.6	1011.9	1172.6	1333.4	1373.6	1491.3	1648.4	1726.9	1427.8
100°	1928.9	1881.1	1689.6	1498.1	1689.6	1881.1	1928.9	1920.3	1908.8	1903.1	1571.2
102.5°	2403.0	2362.0	2198.0	2034.0	2198.0	2362.0	2403.0	2252.9	2052.9	1952.9	1616.3
105°	2956.5	2934.4	2846.3	2758.1	2846.3	2934.4	2956.5	2620.1	2171.6	1947.4	1621.4
107.5°	3244.3	3249.7	3271.0	3292.3	3271.0	3249.7	3244.3	2775.1	2149.5	1836.6	1549.2
110°	3318.1	3341.1	3432.9	3524.8	3432.9	3341.1	3318.1	2793.5	2094.1	1744.3	1485.2



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3271.1	3306.4	3447.4	3588.3	3447.4	3306.4	3271.1	2734.2	2018.3	1660.4	1429.4
115°	3111.4	3160.3	3355.9	3551.5	3355.9	3160.3	3111.4	2594.3	1904.7	1559.9	1365.3
117.5°	2891.0	2945.2	3162.1	3379.0	3162.1	2945.2	2891.0	2424.2	1801.9	1490.7	1325.3
120°	2742.5	2795.1	3005.9	3216.6	3005.9	2795.1	2742.5	2316.0	1747.4	1463.0	1311.8
122.5°	2594.0	2645.9	2853.8	3061.6	2853.8	2645.9	2594.0	2209.9	1697.9	1441.8	1304.7
125°	2397.5	2445.3	2636.8	2828.2	2636.8	2445.3	2397.5	2071.2	1636.3	1418.8	1298.9
127.5°	2239.7	2280.1	2441.6	2603.2	2441.6	2280.1	2239.7	1959.6	1586.1	1399.3	1295.4
130°	2140.1	2177.4	2326.7	2475.8	2326.7	2177.4	2140.1	1890.8	1558.3	1392.0	1297.6
132.5°	2055.2	2088.6	2222.2	2355.9	2222.2	2088.6	2055.2	1832.0	1534.3	1385.5	1298.9
135°	1935.3	1964.1	2079.4	2194.5	2079.4	1964.1	1935.3	1748.4	1499.1	1374.5	1297.6
137.5°	1846.8	1870.3	1964.7	2059.0	1964.7	1870.3	1846.8	1688.7	1478.0	1372.6	1305.6
140°	1775.8	1797.8	1885.9	1974.1	1885.9	1797.8	1775.8	1639.2	1457.2	1366.2	1306.9
142.5°	1725.9	1744.8	1820.7	1896.6	1820.7	1744.8	1725.9	1606.0	1446.2	1366.2	1311.7
145°	1651.3	1665.6	1722.9	1780.3	1722.9	1665.6	1651.3	1553.1	1422.3	1356.9	1311.7
147.5°	1588.4	1600.4	1647.9	1695.5	1647.9	1600.4	1588.4	1511.2	1408.4	1356.9	1320.6
150°	1552.5	1562.1	1600.7	1639.2	1600.7	1562.1	1552.5	1487.3	1400.4	1356.9	1325.4
152.5°	1523.9	1531.2	1560.2	1589.4	1560.2	1531.2	1523.9	1468.3	1394.0	1356.9	1328.4
155°	1489.7	1494.6	1513.8	1533.1	1513.8	1494.6	1489.7	1445.5	1386.4	1356.9	1335.2
157.5°	1460.3	1463.6	1477.2	1490.7	1477.2	1463.6	1460.3	1425.9	1379.9	1356.9	1341.9
160°	1445.5	1447.4	1455.2	1463.0	1455.2	1447.4	1445.5	1416.0	1376.7	1356.9	1345.0
162.5°	1431.7	1433.5	1440.8	1448.2	1440.8	1433.5	1431.7	1406.7	1373.5	1356.9	1348.4
165°	1410.5	1412.4	1420.1	1427.9	1420.1	1412.4	1410.5	1392.6	1368.9	1356.9	1353.0
167.5°	1401.2	1402.0	1405.3	1408.6	1405.3	1402.0	1401.2	1389.6	1374.0	1366.2	1362.9
170°	1401.2	1401.2	1401.2	1401.2	1401.2	1401.2	1401.2	1389.6	1374.0	1366.2	1366.0
172.5°	1393.8	1393.1	1390.3	1387.4	1390.3	1393.1	1393.8	1384.6	1372.3	1366.2	1366.2
175°	1383.7	1383.7	1383.7	1383.7	1383.7	1383.7	1383.7	1377.8	1370.0	1366.2	1368.1
177.5°	1381.9	1381.1	1377.7	1374.5	1377.7	1381.1	1381.9	1377.2	1371.0	1368.0	1369.5
180°	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5	1374.5



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2065.3	2065.3	2065.3	2065.3	2065.3
2.5°	2039.9	2049.7	2055.5	2063.3	2082.9
5°	1961.7	1998.9	2010.6	2039.9	2075.0
7.5°	1789.8	1903.1	1934.4	2004.7	2059.5
10°	1623.7	1737.0	1791.8	1957.8	2039.9
12.5°	1539.7	1606.1	1643.3	1875.8	2012.5
15°	1487.0	1533.8	1561.2	1766.3	1981.3
17.5°	1445.9	1479.1	1498.6	1658.8	1938.3
20°	1420.5	1436.1	1453.8	1580.8	1889.5
22.5°	1402.9	1393.1	1406.8	1526.0	1823.0
25°	1391.2	1354.1	1369.8	1483.0	1744.8
27.5°	1401.0	1318.9	1324.8	1444.0	1662.8
30°	1402.9	1275.9	1277.9	1402.9	1571.0
32.5°	1389.3	1231.0	1232.9	1352.1	1467.4
35°	1356.0	1178.2	1176.3	1293.5	1326.8
37.5°	1311.1	1121.6	1121.6	1229.0	1172.4
40°	1256.4	1064.9	1070.8	1145.0	1035.6
42.5°	1189.9	1004.3	1012.1	1033.6	933.9
45°	1117.6	945.7	951.6	873.4	855.8
47.5°	1037.6	885.1	887.1	724.9	830.4
50°	941.8	822.6	814.8	621.4	828.4
52.5°	857.8	754.2	730.7	562.7	752.2
55°	775.7	681.9	631.1	517.7	697.6
57.5°	703.4	588.1	539.2	465.0	685.9
60°	637.0	496.3	459.2	408.4	629.2
62.5°	582.2	427.9	420.1	369.3	570.5
65°	523.7	381.0	379.0	336.0	484.6
67.5°	467.0	349.7	347.8	304.8	369.3
70°	406.4	316.5	312.7	271.6	273.5
72.5°	343.9	279.4	275.5	244.2	226.7
75°	281.4	236.4	234.5	213.0	183.7
77.5°	220.8	187.5	191.5	172.0	134.8
80°	158.3	136.8	140.7	123.1	101.6
82.5°	105.5	89.9	93.8	78.2	68.4
85°	58.7	50.8	52.8	41.0	31.3
87.5°	27.3	23.5	23.5	15.7	9.8
90°	40.6	25.8	24.0	16.7	9.3
92.5°	250.3	178.1	162.4	99.6	36.9
95°	616.0	346.9	318.2	203.3	88.5
97.5°	829.6	381.0	355.7	254.4	153.1
100°	907.4	409.6	386.6	294.8	202.9
102.5°	943.1	438.2	416.8	331.1	245.4
105°	969.5	480.6	462.4	389.9	317.3
107.5°	974.4	543.3	526.4	458.8	391.1
110°	967.1	578.4	563.1	502.1	440.9



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	967.4	620.8	606.2	548.0	489.8
115°	976.2	684.5	671.1	617.3	563.6
117.5°	994.5	746.3	734.1	685.3	636.5
120°	1009.2	782.3	770.9	724.9	679.0
122.5°	1030.4	824.7	813.2	766.8	720.5
125°	1059.0	879.1	868.6	826.3	784.1
127.5°	1087.6	931.7	921.0	878.3	835.7
130°	1108.6	966.8	955.3	909.4	863.4
132.5°	1125.4	995.4	983.9	938.0	892.0
135°	1143.9	1028.6	1018.1	976.2	934.4
137.5°	1171.6	1071.0	1060.6	1019.2	977.8
140°	1188.4	1099.6	1090.0	1052.0	1013.8
142.5°	1202.6	1120.8	1112.0	1076.7	1041.4
145°	1221.1	1153.1	1145.4	1114.7	1083.9
147.5°	1248.1	1193.7	1186.2	1156.3	1126.3
150°	1262.2	1214.9	1208.0	1181.0	1154.0
152.5°	1271.4	1228.8	1223.6	1203.1	1182.6
155°	1291.8	1259.1	1255.4	1240.2	1225.0
157.5°	1312.1	1289.6	1285.9	1271.2	1256.4
160°	1321.2	1303.4	1300.5	1289.1	1277.7
162.5°	1331.1	1318.2	1316.0	1307.4	1298.9
165°	1345.2	1339.4	1337.4	1329.7	1321.9
167.5°	1356.3	1351.4	1350.5	1346.8	1343.1
170°	1365.5	1365.2	1364.3	1360.6	1356.9
172.5°	1366.2	1366.2	1366.0	1365.1	1364.3
175°	1371.7	1374.5	1374.5	1374.5	1374.5
177.5°	1372.3	1374.5	1374.5	1374.5	1374.5
180°	1374.5	1374.5	1374.5	1374.5	1374.5



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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	12.38	13.14	13.44	14.20	15.64	15.21	15.97	16.26	17.03	18.46
	3H	12.85	13.53	13.92	14.60	16.06	16.54	17.22	17.61	18.29	19.75
	4H	13.04	13.68	14.11	14.75	16.22	16.98	17.62	18.06	18.70	20.16
	6H	13.15	13.74	14.24	14.82	16.29	17.26	17.85	18.35	18.93	20.40
	8H	13.15	13.71	14.24	14.80	16.27	17.33	17.89	18.42	18.98	20.45
	12H	13.12	13.65	14.21	14.74	16.23	17.36	17.90	18.46	18.98	20.48
4H	2H	13.40	14.04	14.48	15.12	16.58	15.60	16.25	16.69	17.32	18.78
	3H	14.42	14.95	15.51	16.05	17.53	17.10	17.63	18.19	18.73	20.21
	4H	14.69	15.18	15.79	16.27	17.77	17.62	18.11	18.72	19.20	20.70
	6H	14.81	15.23	15.91	16.34	17.83	17.98	18.40	19.08	19.51	21.00
	8H	14.81	15.21	15.92	16.31	17.82	18.08	18.48	19.19	19.58	21.09
	12H	14.77	15.13	15.90	16.25	17.76	18.13	18.49	19.25	19.61	21.12
8H	4H	15.13	15.53	16.24	16.63	18.14	17.74	18.13	18.84	19.23	20.74
	6H	15.39	15.72	16.52	16.86	18.37	18.17	18.49	19.29	19.64	21.14
	8H	15.43	15.72	16.57	16.84	18.37	18.32	18.60	19.45	19.73	21.25
	12H	15.41	15.66	16.55	16.79	18.35	18.41	18.66	19.55	19.78	21.34
12H	4H	15.13	15.49	16.26	16.61	18.12	17.70	18.05	18.82	19.17	20.68
	6H	15.45	15.74	16.58	16.86	18.39	18.16	18.45	19.30	19.58	21.10
	8H	15.51	15.76	16.65	16.89	18.45	18.32	18.57	19.46	19.69	21.25