

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: P936095

Luminaire Tested: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-8-4000K

Issue Date: 12/17/2024

**Test Information**

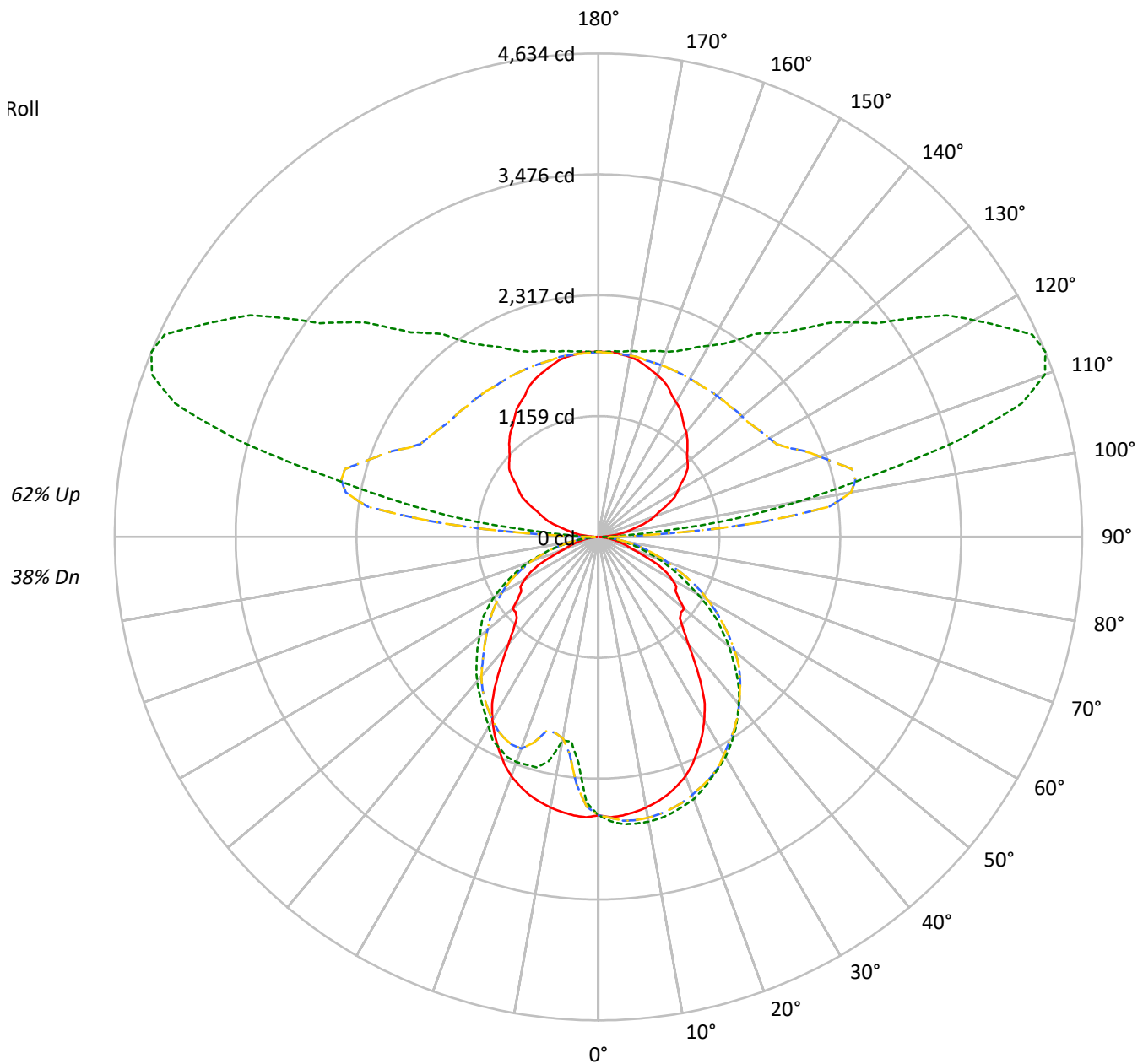
Test Method: LM-79-2019  
Report Number: P936095  
REPORT IS A COMBINATION OF REPORTS P933780 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-8-4000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18429.6 lumens  
Efficiency: N/A  
Efficacy: 127.3 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: Semi-Indirect  
  
Input Watts (W): 144.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot



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



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

RF	20				20				20				20				20	
RC	80				70				50				30				10	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°	12376	12376	12376	12376
5°	12468	12493	12468	9823
10°	12385	12306	12385	8798
15°	12250	12039	12250	10053
20°	11994	11724	11994	10074
25°	11469	11263	11469	9860
30°	10792	10880	10792	9392
35°	9621	10397	9621	8877
40°	8017	9827	8017	8488
45°	7163	9160	7163	8040
50°	7610	8365	7610	7591
55°	7160	7509	7160	7331
60°	7381	6378	7381	6715
65°	6691	5272	6691	5893
70°	4634	4202	4634	4939
75°	4063	3106	4063	3719
80°	3273	2053	3273	2236
85°	1882	1087	1882	924

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 10978 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	240.8	1.3
10°-20°	683.6	3.7
20°-30°	1056.8	5.7
30°-40°	1261.6	6.8
40°-50°	1269.0	6.9
50°-60°	1104.2	6.0
60°-70°	782.9	4.2
70°-80°	414.2	2.2
80°-90°	109.9	0.6
90°-100°	865.2	4.7
100°-110°	2274.7	12.3
110°-120°	2358.7	12.8
120°-130°	1891.9	10.3
130°-140°	1484.5	8.1
140°-150°	1139.4	6.2
150°-160°	820.6	4.5
160°-170°	502.1	2.7
170°-180°	169.6	0.9
0°-30°	1981.2	10.8
0°-40°	3242.8	17.6
0°-60°	5615.9	30.5
0°-90°	6922.9	37.6
90°-120°	5498.6	29.8
90°-150°	10014.5	54.3
90°-180°	11507.0	62.4
0°-180°	18429.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2667	2667	2667	2667	2667	
5°	2680	2763	2680	2173	2680	254
15°	2559	2738	2559	2286	2559	720
25°	2254	2554	2254	2236	2254	1035
35°	1714	2279	1714	1946	1714	1060
45°	1105	1878	1105	1648	1105	885
55°	901	1385	901	1353	901	828
65°	626	835	626	934	626	598
75°	237	396	237	474	237	249
85°	40	101	40	86	40	55
90°	12	45	12	45	12	12
95°	114	523	114	523	114	127
105°	410	3562	410	3562	410	434
115°	728	4586	728	4586	728	719
125°	1013	3652	1013	3652	1013	899
135°	1207	2834	1207	2834	1207	934
145°	1400	2299	1400	2299	1400	877
155°	1582	1980	1582	1980	1582	727
165°	1707	1844	1707	1844	1707	482
175°	1775	1787	1775	1787	1775	168
180°	1775	1775	1775	1775	1775	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4
2.5°	2690.1	2690.1	2705.2	2710.3	2710.3	2702.7	2695.2	2702.7	2725.5	2733.0	2730.5
5°	2680.0	2700.2	2728.0	2733.0	2738.1	2735.5	2730.5	2735.5	2760.8	2765.9	2768.4
7.5°	2659.9	2697.7	2733.0	2740.6	2748.2	2740.6	2738.1	2743.1	2768.4	2773.4	2773.4
10°	2634.6	2687.6	2728.0	2733.0	2740.6	2733.0	2733.0	2743.1	2768.4	2773.4	2775.9
12.5°	2599.2	2672.5	2710.3	2715.4	2725.5	2722.9	2720.4	2730.5	2755.7	2760.8	2760.8
15°	2558.9	2644.7	2680.0	2685.1	2702.7	2697.7	2697.7	2707.8	2735.5	2743.1	2740.6
17.5°	2503.3	2609.3	2649.7	2657.3	2669.9	2667.4	2669.9	2680.0	2705.2	2710.3	2712.9
20°	2440.3	2561.4	2609.3	2616.9	2629.6	2629.6	2629.6	2642.2	2667.4	2677.5	2677.5
22.5°	2354.5	2511.0	2561.4	2566.5	2581.6	2581.6	2586.6	2604.3	2627.0	2629.6	2629.6
25°	2253.5	2455.4	2498.3	2513.5	2528.6	2536.2	2543.7	2553.9	2561.4	2558.9	2561.4
27.5°	2147.5	2384.7	2440.3	2450.3	2470.6	2478.1	2488.3	2490.7	2493.3	2500.9	2495.8
30°	2028.9	2286.4	2369.6	2379.8	2412.5	2417.6	2407.5	2412.5	2425.1	2430.2	2435.2
32.5°	1895.2	2140.0	2296.5	2319.1	2349.4	2334.3	2331.7	2339.4	2359.5	2359.5	2364.6
35°	1713.5	2026.4	2228.3	2248.5	2271.2	2253.5	2263.6	2266.1	2278.8	2286.4	2283.8
37.5°	1514.2	1928.0	2157.6	2172.8	2190.5	2167.8	2182.8	2190.5	2200.5	2195.5	2195.5
40°	1337.5	1774.1	2074.4	2084.5	2099.6	2081.9	2097.1	2102.1	2107.2	2102.1	2099.6
42.5°	1206.3	1605.0	1986.0	1998.6	1988.6	2001.2	2006.3	2016.3	2008.7	1998.6	1998.6
45°	1105.3	1559.5	1890.1	1905.3	1890.1	1910.4	1917.9	1917.9	1895.2	1890.1	1887.7
47.5°	1072.6	1468.7	1794.3	1794.3	1786.7	1811.9	1824.5	1806.9	1784.1	1776.6	1776.6
50°	1070.0	1367.8	1663.0	1652.9	1688.2	1718.5	1705.9	1688.2	1670.6	1642.8	1642.8
52.5°	971.6	1244.1	1493.9	1531.8	1587.3	1605.0	1584.8	1567.2	1536.9	1524.3	1514.2
55°	900.9	1115.4	1340.1	1415.7	1473.8	1496.5	1458.6	1441.0	1395.5	1388.0	1382.9
57.5°	885.8	928.6	1198.7	1294.6	1365.3	1362.7	1340.1	1307.2	1269.4	1261.7	1259.3
60°	812.6	671.3	1047.3	1160.8	1234.1	1226.4	1206.3	1176.0	1140.7	1135.6	1130.5
62.5°	736.9	487.0	875.6	1004.4	1107.8	1105.3	1087.6	1042.2	1017.0	1004.4	994.3
65°	625.8	408.8	623.3	835.3	984.2	989.2	951.4	918.6	890.8	875.6	873.2
67.5°	476.9	333.1	421.4	696.5	865.6	860.6	812.6	797.4	762.1	754.5	739.4
70°	353.3	222.0	292.7	565.3	749.5	736.9	699.1	681.4	648.5	630.9	620.8
72.5°	292.7	179.2	214.5	439.1	630.9	615.8	582.9	562.8	535.0	519.8	509.8
75°	237.2	189.3	164.1	325.6	512.3	502.2	471.9	451.7	429.0	408.8	411.3
77.5°	174.1	176.7	131.2	239.7	406.3	391.2	373.5	348.3	338.2	318.0	318.0
80°	131.2	138.8	98.5	164.1	292.7	292.7	277.6	260.0	242.3	232.2	232.2
82.5°	88.3	88.3	73.2	103.4	199.4	191.8	181.7	176.7	166.6	161.5	161.5
85°	40.4	50.4	45.5	63.1	108.5	113.5	113.5	108.5	106.0	100.9	103.4
87.5°	12.6	22.7	27.8	35.3	55.5	58.1	60.5	60.5	60.5	63.1	63.1
90°	11.9	21.5	30.9	33.3	52.4	77.8	90.5	80.5	60.4	45.3	45.3
92.5°	47.7	128.6	209.7	230.0	323.3	447.7	509.9	446.8	320.9	226.3	217.4
95°	114.4	262.6	410.8	447.9	795.3	1258.6	1490.3	1329.8	1009.1	768.4	741.1
97.5°	197.8	328.5	459.4	492.0	1071.4	1843.9	2230.1	2128.7	1925.9	1773.8	1722.0
100°	262.1	380.7	499.3	529.0	1171.9	2029.0	2457.6	2465.0	2479.8	2490.9	2429.1
102.5°	316.9	427.6	538.1	565.8	1217.9	2087.2	2522.0	2651.2	2909.5	3103.3	3050.4
105°	409.8	503.5	597.3	620.7	1252.0	2093.8	2514.8	2804.5	3383.7	3818.1	3789.6
107.5°	505.1	592.5	679.8	701.6	1258.4	2000.7	2371.8	2775.8	3583.8	4189.8	4196.7
110°	569.5	648.3	727.2	746.9	1248.9	1918.1	2252.7	2704.4	3607.6	4285.1	4314.7



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	632.6	707.8	782.9	801.7	1249.2	1845.9	2144.3	2606.5	3530.9	4224.3	4269.8
115°	727.9	797.2	866.6	883.9	1260.8	1763.2	2014.5	2459.7	3350.2	4018.2	4081.3
117.5°	822.0	885.0	948.0	963.8	1284.2	1711.5	1925.1	2327.0	3130.7	3733.5	3803.5
120°	876.8	936.1	995.4	1010.2	1303.3	1694.0	1889.4	2256.6	2991.0	3541.7	3609.7
122.5°	930.4	990.2	1050.0	1065.0	1330.7	1684.9	1862.0	2192.6	2853.9	3349.9	3417.0
125°	1012.6	1067.1	1121.6	1135.3	1367.6	1677.3	1832.2	2113.0	2674.8	3096.1	3157.9
127.5°	1079.3	1134.3	1189.5	1203.2	1404.5	1673.0	1807.1	2048.3	2530.7	2892.4	2944.6
130°	1115.1	1174.4	1233.7	1248.5	1431.5	1675.5	1797.6	2012.3	2441.7	2763.8	2812.0
132.5°	1152.0	1211.3	1270.6	1285.4	1453.4	1677.4	1789.3	1981.4	2365.8	2654.1	2697.3
135°	1206.7	1260.8	1314.8	1328.3	1477.2	1675.7	1775.0	1936.0	2257.9	2499.3	2536.5
137.5°	1262.8	1316.3	1369.7	1383.0	1512.9	1686.1	1772.7	1908.8	2180.8	2384.9	2415.4
140°	1309.2	1358.5	1407.7	1420.0	1534.8	1687.8	1764.3	1881.8	2116.9	2293.2	2321.7
142.5°	1344.9	1390.5	1436.0	1447.4	1553.0	1693.9	1764.3	1867.5	2074.0	2228.9	2253.3
145°	1399.7	1439.5	1479.2	1489.1	1576.9	1693.9	1752.3	1836.8	2005.7	2132.4	2150.9
147.5°	1454.6	1493.2	1531.9	1541.6	1611.8	1705.5	1752.3	1818.8	1951.6	2051.3	2066.7
150°	1490.3	1525.2	1560.2	1568.9	1630.0	1711.6	1752.3	1808.5	1920.7	2004.9	2017.3
152.5°	1527.2	1553.7	1580.2	1586.8	1642.0	1715.6	1752.3	1800.3	1896.1	1968.0	1977.3
155°	1582.1	1601.6	1621.2	1626.1	1668.2	1724.3	1752.3	1790.4	1866.7	1923.9	1930.2
157.5°	1622.5	1641.6	1660.6	1665.4	1694.4	1733.0	1752.3	1782.0	1841.3	1885.8	1890.2
160°	1650.0	1664.8	1679.6	1683.3	1706.3	1737.0	1752.3	1777.7	1828.6	1866.7	1869.2
162.5°	1677.4	1688.4	1699.6	1702.4	1719.0	1741.3	1752.3	1773.8	1816.7	1848.9	1851.3
165°	1707.1	1717.1	1727.2	1729.7	1737.2	1747.3	1752.3	1767.7	1798.5	1821.5	1824.0
167.5°	1734.5	1739.2	1744.0	1745.3	1751.6	1760.1	1764.3	1774.3	1794.4	1809.5	1810.6
170°	1752.3	1757.1	1761.9	1763.1	1763.5	1764.0	1764.3	1774.3	1794.4	1809.5	1809.5
172.5°	1761.9	1762.9	1764.0	1764.3	1764.3	1764.3	1764.3	1772.2	1788.0	1800.0	1799.0
175°	1775.0	1775.0	1775.0	1775.0	1771.4	1766.7	1764.3	1769.3	1779.4	1786.9	1786.9
177.5°	1775.0	1775.0	1775.0	1775.0	1772.2	1768.5	1766.7	1770.7	1778.6	1784.5	1783.5
180°	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4
2.5°	2735.5	2728.0	2735.5	2730.5	2733.0	2725.5	2702.7	2695.2	2702.7	2710.3	2710.3
5°	2768.4	2763.3	2768.4	2768.4	2765.9	2760.8	2735.5	2730.5	2735.5	2738.1	2733.0
7.5°	2778.5	2770.8	2778.5	2773.4	2773.4	2768.4	2743.1	2738.1	2740.6	2748.2	2740.6
10°	2778.5	2770.8	2778.5	2775.9	2773.4	2768.4	2743.1	2733.0	2733.0	2740.6	2733.0
12.5°	2765.9	2760.8	2765.9	2760.8	2760.8	2755.7	2730.5	2720.4	2722.9	2725.5	2715.4
15°	2745.6	2738.1	2745.6	2740.6	2743.1	2735.5	2707.8	2697.7	2697.7	2702.7	2685.1
17.5°	2715.4	2705.2	2715.4	2712.9	2710.3	2705.2	2680.0	2669.9	2667.4	2669.9	2657.3
20°	2680.0	2672.5	2680.0	2677.5	2677.5	2667.4	2642.2	2629.6	2629.6	2629.6	2616.9
22.5°	2624.5	2616.9	2624.5	2629.6	2629.6	2627.0	2604.3	2586.6	2581.6	2581.6	2566.5
25°	2561.4	2553.9	2561.4	2561.4	2558.9	2561.4	2553.9	2543.7	2536.2	2528.6	2513.5
27.5°	2500.9	2495.8	2500.9	2495.8	2500.9	2493.3	2490.7	2488.3	2478.1	2470.6	2450.3
30°	2440.3	2435.2	2440.3	2435.2	2430.2	2425.1	2412.5	2407.5	2417.6	2412.5	2379.8
32.5°	2364.6	2359.5	2364.6	2364.6	2359.5	2359.5	2339.4	2331.7	2334.3	2349.4	2319.1
35°	2286.4	2278.8	2286.4	2283.8	2286.4	2278.8	2266.1	2263.6	2253.5	2271.2	2248.5
37.5°	2195.5	2187.9	2195.5	2195.5	2195.5	2200.5	2190.5	2182.8	2167.8	2190.5	2172.8
40°	2102.1	2092.0	2102.1	2099.6	2102.1	2107.2	2102.1	2097.1	2081.9	2099.6	2084.5
42.5°	1996.1	1993.7	1996.1	1998.6	1998.6	2008.7	2016.3	2006.3	2001.2	1988.6	1998.6
45°	1882.6	1877.5	1882.6	1887.7	1890.1	1895.2	1917.9	1917.9	1910.4	1890.1	1905.3
47.5°	1761.4	1748.8	1761.4	1776.6	1776.6	1784.1	1806.9	1824.5	1811.9	1786.7	1794.3
50°	1632.8	1635.2	1632.8	1642.8	1642.8	1670.6	1688.2	1705.9	1718.5	1688.2	1652.9
52.5°	1506.6	1504.0	1506.6	1514.2	1524.3	1536.9	1567.2	1584.8	1605.0	1587.3	1531.8
55°	1380.4	1385.4	1380.4	1382.9	1388.0	1395.5	1441.0	1458.6	1496.5	1473.8	1415.7
57.5°	1254.2	1246.7	1254.2	1259.3	1261.7	1269.4	1307.2	1340.1	1362.7	1365.3	1294.6
60°	1107.8	1097.8	1107.8	1130.5	1135.6	1140.7	1176.0	1206.3	1226.4	1234.1	1160.8
62.5°	979.2	961.5	979.2	994.3	1004.4	1017.0	1042.2	1087.6	1105.3	1107.8	1004.4
65°	842.9	835.3	842.9	873.2	875.6	890.8	918.6	951.4	989.2	984.2	835.3
67.5°	719.2	719.2	719.2	739.4	754.5	762.1	797.4	812.6	860.6	865.6	696.5
70°	605.7	603.2	605.7	620.8	630.9	648.5	681.4	699.1	736.9	749.5	565.3
72.5°	497.2	494.6	497.2	509.8	519.8	535.0	562.8	582.9	615.8	630.9	439.1
75°	401.3	396.2	401.3	411.3	408.8	429.0	451.7	471.9	502.2	512.3	325.6
77.5°	307.9	307.9	307.9	318.0	318.0	338.2	348.3	373.5	391.2	406.3	239.7
80°	229.7	227.1	229.7	232.2	232.2	242.3	260.0	277.6	292.7	292.7	164.1
82.5°	161.5	156.4	161.5	161.5	161.5	166.6	176.7	181.7	191.8	199.4	103.4
85°	100.9	100.9	100.9	103.4	100.9	106.0	108.5	113.5	113.5	108.5	63.1
87.5°	65.6	63.1	65.6	63.1	63.1	60.5	60.5	60.5	58.1	55.5	35.3
90°	45.3	45.3	45.3	45.3	45.3	60.4	80.5	90.5	77.8	52.4	33.3
92.5°	181.4	145.4	181.4	217.4	226.3	320.9	446.8	509.9	447.7	323.3	230.0
95°	632.0	523.0	632.0	741.1	768.4	1009.1	1329.8	1490.3	1258.6	795.3	447.9
97.5°	1514.3	1306.8	1514.3	1722.0	1773.8	1925.9	2128.7	2230.1	1843.9	1071.4	492.0
100°	2181.9	1934.6	2181.9	2429.1	2490.9	2479.8	2465.0	2457.6	2029.0	1171.9	529.0
102.5°	2838.5	2626.8	2838.5	3050.4	3103.3	2909.5	2651.2	2522.0	2087.2	1217.9	565.8
105°	3675.8	3562.0	3675.8	3789.6	3818.1	3383.7	2804.5	2514.8	2093.8	1252.0	620.7
107.5°	4224.2	4251.7	4224.2	4196.7	4189.8	3583.8	2775.8	2371.8	2000.7	1258.4	701.6
110°	4433.3	4551.9	4433.3	4314.7	4285.1	3607.6	2704.4	2252.7	1918.1	1248.9	746.9





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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4451.9	4634.0	4451.9	4269.8	4224.3	3530.9	2606.5	2144.3	1845.9	1249.2	801.7
115°	4333.9	4586.4	4333.9	4081.3	4018.2	3350.2	2459.7	2014.5	1763.2	1260.8	883.9
117.5°	4083.6	4363.7	4083.6	3803.5	3733.5	3130.7	2327.0	1925.1	1711.5	1284.2	963.8
120°	3881.9	4154.0	3881.9	3609.7	3541.7	2991.0	2256.6	1889.4	1694.0	1303.3	1010.2
122.5°	3685.4	3953.9	3685.4	3417.0	3349.9	2853.9	2192.6	1862.0	1684.9	1330.7	1065.0
125°	3405.2	3652.5	3405.2	3157.9	3096.1	2674.8	2113.0	1832.2	1677.3	1367.6	1135.3
127.5°	3153.2	3361.8	3153.2	2944.6	2892.4	2530.7	2048.3	1807.1	1673.0	1404.5	1203.2
130°	3004.7	3197.4	3004.7	2812.0	2763.8	2441.7	2012.3	1797.6	1675.5	1431.5	1248.5
132.5°	2869.9	3042.5	2869.9	2697.3	2654.1	2365.8	1981.4	1789.3	1677.4	1453.4	1285.4
135°	2685.3	2834.1	2685.3	2536.5	2499.3	2257.9	1936.0	1775.0	1675.7	1477.2	1328.3
137.5°	2537.1	2658.9	2537.1	2415.4	2384.9	2180.8	1908.8	1772.7	1686.1	1512.9	1383.0
140°	2435.5	2549.4	2435.5	2321.7	2293.2	2116.9	1881.8	1764.3	1687.8	1534.8	1420.0
142.5°	2351.3	2449.3	2351.3	2253.3	2228.9	2074.0	1867.5	1764.3	1693.9	1553.0	1447.4
145°	2225.1	2299.2	2225.1	2150.9	2132.4	2005.7	1836.8	1752.3	1693.9	1576.9	1489.1
147.5°	2128.1	2189.5	2128.1	2066.7	2051.3	1951.6	1818.8	1752.3	1705.5	1611.8	1541.6
150°	2067.2	2116.9	2067.2	2017.3	2004.9	1920.7	1808.5	1752.3	1711.6	1630.0	1568.9
152.5°	2015.0	2052.6	2015.0	1977.3	1968.0	1896.1	1800.3	1752.3	1715.6	1642.0	1586.8
155°	1955.1	1979.9	1955.1	1930.2	1923.9	1866.7	1790.4	1752.3	1724.3	1668.2	1626.1
157.5°	1907.6	1925.1	1907.6	1890.2	1885.8	1841.3	1782.0	1752.3	1733.0	1694.4	1665.4
160°	1879.3	1889.4	1879.3	1869.2	1866.7	1828.6	1777.7	1752.3	1737.0	1706.3	1683.3
162.5°	1860.7	1870.3	1860.7	1851.3	1848.9	1816.7	1773.8	1752.3	1741.3	1719.0	1702.4
165°	1834.1	1844.1	1834.1	1824.0	1821.5	1798.5	1767.7	1752.3	1747.3	1737.2	1729.7
167.5°	1814.9	1819.1	1814.9	1810.6	1809.5	1794.4	1774.3	1764.3	1760.1	1751.6	1745.3
170°	1809.5	1809.5	1809.5	1809.5	1809.5	1794.4	1774.3	1764.3	1764.0	1763.5	1763.1
172.5°	1795.4	1791.7	1795.4	1799.0	1800.0	1788.0	1772.2	1764.3	1764.3	1764.3	1764.3
175°	1786.9	1786.9	1786.9	1786.9	1786.9	1779.4	1769.3	1764.3	1766.7	1771.4	1775.0
177.5°	1779.2	1775.0	1779.2	1783.5	1784.5	1778.6	1770.7	1766.7	1768.5	1772.2	1775.0
180°	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0



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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4
2.5°	2705.2	2690.1	2690.1	2664.9	2654.8	2647.3	2634.6	2596.7	2586.6	2576.6	2591.7
5°	2728.0	2700.2	2680.0	2634.6	2596.7	2581.6	2533.6	2442.8	2382.2	2336.8	2311.6
7.5°	2733.0	2697.7	2659.9	2589.2	2498.3	2458.0	2311.6	2145.0	2099.6	2059.3	2034.0
10°	2728.0	2687.6	2634.6	2528.6	2314.1	2243.5	2097.1	1988.6	1960.8	1953.3	1960.8
12.5°	2710.3	2672.5	2599.2	2422.6	2122.3	2074.4	1988.6	1925.5	1920.4	1933.0	2001.2
15°	2680.0	2644.7	2558.9	2281.3	2016.3	1981.0	1920.4	1897.7	1925.5	2013.8	2218.2
17.5°	2649.7	2609.3	2503.3	2142.5	1935.6	1910.4	1867.4	1912.9	2069.3	2187.9	2256.1
20°	2609.3	2561.4	2440.3	2041.6	1877.5	1854.8	1834.7	2039.0	2157.6	2200.5	2238.4
22.5°	2561.4	2511.0	2354.5	1970.9	1817.0	1799.3	1811.9	2109.7	2157.6	2187.9	2220.8
25°	2498.3	2455.4	2253.5	1915.3	1769.0	1748.8	1796.7	2102.1	2129.8	2137.5	2203.1
27.5°	2440.3	2384.7	2147.5	1864.9	1711.0	1703.4	1809.4	2069.3	2089.5	2097.1	2167.8
30°	2369.6	2286.4	2028.9	1811.9	1650.4	1647.9	1811.9	2028.9	2023.9	2044.1	2114.8
32.5°	2296.5	2140.0	1895.2	1746.3	1592.4	1589.9	1794.3	1968.4	1963.3	1991.1	2044.1
35°	2228.3	2026.4	1713.5	1670.6	1519.2	1521.7	1751.4	1897.7	1900.3	1925.5	1958.3
37.5°	2157.6	1928.0	1514.2	1587.3	1448.5	1448.5	1693.3	1832.1	1827.1	1834.7	1880.0
40°	2074.4	1774.1	1337.5	1478.8	1382.9	1375.3	1622.6	1761.4	1743.7	1741.3	1804.4
42.5°	1986.0	1605.0	1206.3	1335.0	1307.2	1297.1	1536.9	1675.6	1642.8	1650.4	1731.1
45°	1890.1	1559.5	1105.3	1128.0	1229.0	1221.4	1443.5	1577.2	1554.5	1574.7	1658.0
47.5°	1794.3	1468.7	1072.6	936.3	1145.7	1143.1	1340.1	1481.3	1468.7	1488.9	1577.2
50°	1663.0	1367.8	1070.0	802.5	1052.3	1062.4	1216.4	1388.0	1388.0	1405.7	1499.0
52.5°	1493.9	1244.1	971.6	726.8	943.8	974.1	1107.8	1307.2	1312.3	1329.9	1413.2
55°	1340.1	1115.4	900.9	668.8	815.1	880.7	1001.9	1223.9	1234.1	1251.7	1327.4
57.5°	1198.7	928.6	885.8	600.6	696.5	759.6	908.5	1143.1	1148.2	1163.4	1236.5
60°	1047.3	671.3	812.6	527.4	593.1	641.0	822.6	1047.3	1064.9	1075.0	1138.2
62.5°	875.6	487.0	736.9	476.9	542.5	552.7	752.1	956.4	979.2	986.7	1024.5
65°	623.3	408.8	625.8	434.0	489.5	492.1	676.3	863.0	883.3	895.9	923.6
67.5°	421.4	333.1	476.9	393.7	449.2	451.7	603.2	754.5	782.3	792.4	810.0
70°	292.7	222.0	353.3	350.8	403.8	408.8	524.9	656.1	681.4	688.9	699.1
72.5°	214.5	179.2	292.7	315.4	355.8	360.9	444.2	545.1	570.3	577.9	582.9
75°	164.1	189.3	237.2	275.0	302.8	305.3	363.4	444.2	461.8	466.9	469.4
77.5°	131.2	176.7	174.1	222.0	247.3	242.3	285.2	343.2	358.3	358.3	358.3
80°	98.5	138.8	131.2	159.0	181.7	176.7	204.4	244.8	249.8	254.9	252.3
82.5°	73.2	88.3	88.3	100.9	121.1	116.1	136.3	159.0	159.0	159.0	164.1
85°	45.5	50.4	40.4	53.0	68.1	65.6	75.7	85.8	88.3	88.3	83.3
87.5°	27.8	22.7	12.6	20.2	30.3	30.3	35.3	37.8	35.3	35.3	35.3
90°	30.9	21.5	11.9	21.5	30.9	33.3	52.4	77.8	90.5	80.5	60.4
92.5°	209.7	128.6	47.7	128.6	209.7	230.0	323.3	447.7	509.9	446.8	320.9
95°	410.8	262.6	114.4	262.6	410.8	447.9	795.3	1258.6	1490.3	1329.8	1009.1
97.5°	459.4	328.5	197.8	328.5	459.4	492.0	1071.4	1843.9	2230.1	2128.7	1925.9
100°	499.3	380.7	262.1	380.7	499.3	529.0	1171.9	2029.0	2457.6	2465.0	2479.8
102.5°	538.1	427.6	316.9	427.6	538.1	565.8	1217.9	2087.2	2522.0	2651.2	2909.5
105°	597.3	503.5	409.8	503.5	597.3	620.7	1252.0	2093.8	2514.8	2804.5	3383.7
107.5°	679.8	592.5	505.1	592.5	679.8	701.6	1258.4	2000.7	2371.8	2775.8	3583.8
110°	727.2	648.3	569.5	648.3	727.2	746.9	1248.9	1918.1	2252.7	2704.4	3607.6



TEST NUMBER: P936095

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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	782.9	707.8	632.6	707.8	782.9	801.7	1249.2	1845.9	2144.3	2606.5	3530.9
115°	866.6	797.2	727.9	797.2	866.6	883.9	1260.8	1763.2	2014.5	2459.7	3350.2
117.5°	948.0	885.0	822.0	885.0	948.0	963.8	1284.2	1711.5	1925.1	2327.0	3130.7
120°	995.4	936.1	876.8	936.1	995.4	1010.2	1303.3	1694.0	1889.4	2256.6	2991.0
122.5°	1050.0	990.2	930.4	990.2	1050.0	1065.0	1330.7	1684.9	1862.0	2192.6	2853.9
125°	1121.6	1067.1	1012.6	1067.1	1121.6	1135.3	1367.6	1677.3	1832.2	2113.0	2674.8
127.5°	1189.5	1134.3	1079.3	1134.3	1189.5	1203.2	1404.5	1673.0	1807.1	2048.3	2530.7
130°	1233.7	1174.4	1115.1	1174.4	1233.7	1248.5	1431.5	1675.5	1797.6	2012.3	2441.7
132.5°	1270.6	1211.3	1152.0	1211.3	1270.6	1285.4	1453.4	1677.4	1789.3	1981.4	2365.8
135°	1314.8	1260.8	1206.7	1260.8	1314.8	1328.3	1477.2	1675.7	1775.0	1936.0	2257.9
137.5°	1369.7	1316.3	1262.8	1316.3	1369.7	1383.0	1512.9	1686.1	1772.7	1908.8	2180.8
140°	1407.7	1358.5	1309.2	1358.5	1407.7	1420.0	1534.8	1687.8	1764.3	1881.8	2116.9
142.5°	1436.0	1390.5	1344.9	1390.5	1436.0	1447.4	1553.0	1693.9	1764.3	1867.5	2074.0
145°	1479.2	1439.5	1399.7	1439.5	1479.2	1489.1	1576.9	1693.9	1752.3	1836.8	2005.7
147.5°	1531.9	1493.2	1454.6	1493.2	1531.9	1541.6	1611.8	1705.5	1752.3	1818.8	1951.6
150°	1560.2	1525.2	1490.3	1525.2	1560.2	1568.9	1630.0	1711.6	1752.3	1808.5	1920.7
152.5°	1580.2	1553.7	1527.2	1553.7	1580.2	1586.8	1642.0	1715.6	1752.3	1800.3	1896.1
155°	1621.2	1601.6	1582.1	1601.6	1621.2	1626.1	1668.2	1724.3	1752.3	1790.4	1866.7
157.5°	1660.6	1641.6	1622.5	1641.6	1660.6	1665.4	1694.4	1733.0	1752.3	1782.0	1841.3
160°	1679.6	1664.8	1650.0	1664.8	1679.6	1683.3	1706.3	1737.0	1752.3	1777.7	1828.6
162.5°	1699.6	1688.4	1677.4	1688.4	1699.6	1702.4	1719.0	1741.3	1752.3	1773.8	1816.7
165°	1727.2	1717.1	1707.1	1717.1	1727.2	1729.7	1737.2	1747.3	1752.3	1767.7	1798.5
167.5°	1744.0	1739.2	1734.5	1739.2	1744.0	1745.3	1751.6	1760.1	1764.3	1774.3	1794.4
170°	1761.9	1757.1	1752.3	1757.1	1761.9	1763.1	1763.5	1764.0	1764.3	1774.3	1794.4
172.5°	1764.0	1762.9	1761.9	1762.9	1764.0	1764.3	1764.3	1764.3	1764.3	1772.2	1788.0
175°	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1771.4	1766.7	1764.3	1769.3	1779.4
177.5°	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1772.2	1768.5	1766.7	1770.7	1778.6
180°	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0



TEST NUMBER: P936095

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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4
2.5°	2574.0	2566.5	2576.6	2548.8	2576.6	2566.5	2574.0	2591.7	2576.6	2586.6	2596.7
5°	2258.6	2246.0	2205.6	2172.8	2205.6	2246.0	2258.6	2311.6	2336.8	2382.2	2442.8
7.5°	2018.9	2008.7	1998.6	1978.5	1998.6	2008.7	2018.9	2034.0	2059.3	2099.6	2145.0
10°	1965.9	1968.4	1983.5	1981.0	1983.5	1968.4	1965.9	1960.8	1953.3	1960.8	1988.6
12.5°	2102.1	2124.9	2208.2	2203.1	2208.2	2124.9	2102.1	2001.2	1933.0	1920.4	1925.5
15°	2258.6	2266.1	2283.8	2286.4	2283.8	2266.1	2258.6	2218.2	2013.8	1925.5	1897.7
17.5°	2273.8	2276.2	2288.8	2288.8	2288.8	2276.2	2273.8	2256.1	2187.9	2069.3	1912.9
20°	2261.2	2266.1	2291.4	2296.5	2291.4	2266.1	2261.2	2238.4	2200.5	2157.6	2039.0
22.5°	2256.1	2266.1	2286.4	2283.8	2286.4	2266.1	2256.1	2220.8	2187.9	2157.6	2109.7
25°	2230.8	2230.8	2233.4	2235.8	2233.4	2230.8	2230.8	2203.1	2137.5	2129.8	2102.1
27.5°	2177.9	2182.8	2198.0	2195.5	2198.0	2182.8	2177.9	2167.8	2097.1	2089.5	2069.3
30°	2129.8	2124.9	2112.2	2102.1	2112.2	2124.9	2129.8	2114.8	2044.1	2023.9	2028.9
32.5°	2049.1	2036.5	2023.9	2016.3	2023.9	2036.5	2049.1	2044.1	1991.1	1963.3	1968.4
35°	1953.3	1955.7	1953.3	1945.6	1953.3	1955.7	1953.3	1958.3	1925.5	1900.3	1897.7
37.5°	1885.1	1890.1	1887.7	1877.5	1887.7	1890.1	1885.1	1880.0	1834.7	1827.1	1832.1
40°	1814.4	1817.0	1814.4	1806.9	1814.4	1817.0	1814.4	1804.4	1741.3	1743.7	1761.4
42.5°	1746.3	1743.7	1736.2	1731.1	1736.2	1743.7	1746.3	1731.1	1650.4	1642.8	1675.6
45°	1668.1	1670.6	1655.5	1647.9	1655.5	1670.6	1668.1	1658.0	1574.7	1554.5	1577.2
47.5°	1589.9	1589.9	1577.2	1569.6	1577.2	1589.9	1589.9	1577.2	1488.9	1468.7	1481.3
50°	1506.6	1504.0	1486.4	1483.9	1486.4	1504.0	1506.6	1499.0	1405.7	1388.0	1388.0
52.5°	1410.6	1410.6	1413.2	1418.3	1413.2	1410.6	1410.6	1413.2	1329.9	1312.3	1307.2
55°	1327.4	1329.9	1347.6	1352.7	1347.6	1329.9	1327.4	1327.4	1251.7	1234.1	1223.9
57.5°	1241.6	1241.6	1254.2	1254.2	1254.2	1241.6	1241.6	1236.5	1163.4	1148.2	1143.1
60°	1143.1	1148.2	1158.3	1155.8	1158.3	1148.2	1143.1	1138.2	1075.0	1064.9	1047.3
62.5°	1039.7	1044.8	1047.3	1042.2	1047.3	1044.8	1039.7	1024.5	986.7	979.2	956.4
65°	931.2	936.3	938.8	933.7	938.8	936.3	931.2	923.6	895.9	883.3	863.0
67.5°	820.2	817.7	815.1	825.2	815.1	817.7	820.2	810.0	792.4	782.3	754.5
70°	706.6	706.6	704.0	709.1	704.0	706.6	706.6	699.1	688.9	681.4	656.1
72.5°	585.5	582.9	593.1	585.5	593.1	582.9	585.5	582.9	577.9	570.3	545.1
75°	466.9	471.9	466.9	474.4	466.9	471.9	466.9	469.4	466.9	461.8	444.2
77.5°	355.8	360.9	355.8	355.8	355.8	360.9	355.8	358.3	358.3	358.3	343.2
80°	252.3	249.8	249.8	247.3	249.8	249.8	252.3	252.3	254.9	249.8	244.8
82.5°	161.5	159.0	159.0	164.1	159.0	159.0	161.5	164.1	159.0	159.0	159.0
85°	88.3	90.8	85.8	85.8	85.8	90.8	88.3	83.3	88.3	88.3	85.8
87.5°	32.9	30.3	30.3	30.3	30.3	30.3	32.9	35.3	35.3	35.3	37.8
90°	45.3	45.3	45.3	45.3	45.3	45.3	45.3	60.4	80.5	90.5	77.8
92.5°	226.3	217.4	181.4	145.4	181.4	217.4	226.3	320.9	446.8	509.9	447.7
95°	768.4	741.1	632.0	523.0	632.0	741.1	768.4	1009.1	1329.8	1490.3	1258.6
97.5°	1773.8	1722.0	1514.3	1306.8	1514.3	1722.0	1773.8	1925.9	2128.7	2230.1	1843.9
100°	2490.9	2429.1	2181.9	1934.6	2181.9	2429.1	2490.9	2479.8	2465.0	2457.6	2029.0
102.5°	3103.3	3050.4	2838.5	2626.8	2838.5	3050.4	3103.3	2909.5	2651.2	2522.0	2087.2
105°	3818.1	3789.6	3675.8	3562.0	3675.8	3789.6	3818.1	3383.7	2804.5	2514.8	2093.8
107.5°	4189.8	4196.7	4224.2	4251.7	4224.2	4196.7	4189.8	3583.8	2775.8	2371.8	2000.7
110°	4285.1	4314.7	4433.3	4551.9	4433.3	4314.7	4285.1	3607.6	2704.4	2252.7	1918.1



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4224.3	4269.8	4451.9	4634.0	4451.9	4269.8	4224.3	3530.9	2606.5	2144.3	1845.9
115°	4018.2	4081.3	4333.9	4586.4	4333.9	4081.3	4018.2	3350.2	2459.7	2014.5	1763.2
117.5°	3733.5	3803.5	4083.6	4363.7	4083.6	3803.5	3733.5	3130.7	2327.0	1925.1	1711.5
120°	3541.7	3609.7	3881.9	4154.0	3881.9	3609.7	3541.7	2991.0	2256.6	1889.4	1694.0
122.5°	3349.9	3417.0	3685.4	3953.9	3685.4	3417.0	3349.9	2853.9	2192.6	1862.0	1684.9
125°	3096.1	3157.9	3405.2	3652.5	3405.2	3157.9	3096.1	2674.8	2113.0	1832.2	1677.3
127.5°	2892.4	2944.6	3153.2	3361.8	3153.2	2944.6	2892.4	2530.7	2048.3	1807.1	1673.0
130°	2763.8	2812.0	3004.7	3197.4	3004.7	2812.0	2763.8	2441.7	2012.3	1797.6	1675.5
132.5°	2654.1	2697.3	2869.9	3042.5	2869.9	2697.3	2654.1	2365.8	1981.4	1789.3	1677.4
135°	2499.3	2536.5	2685.3	2834.1	2685.3	2536.5	2499.3	2257.9	1936.0	1775.0	1675.7
137.5°	2384.9	2415.4	2537.1	2658.9	2537.1	2415.4	2384.9	2180.8	1908.8	1772.7	1686.1
140°	2293.2	2321.7	2435.5	2549.4	2435.5	2321.7	2293.2	2116.9	1881.8	1764.3	1687.8
142.5°	2228.9	2253.3	2351.3	2449.3	2351.3	2253.3	2228.9	2074.0	1867.5	1764.3	1693.9
145°	2132.4	2150.9	2225.1	2299.2	2225.1	2150.9	2132.4	2005.7	1836.8	1752.3	1693.9
147.5°	2051.3	2066.7	2128.1	2189.5	2128.1	2066.7	2051.3	1951.6	1818.8	1752.3	1705.5
150°	2004.9	2017.3	2067.2	2116.9	2067.2	2017.3	2004.9	1920.7	1808.5	1752.3	1711.6
152.5°	1968.0	1977.3	2015.0	2052.6	2015.0	1977.3	1968.0	1896.1	1800.3	1752.3	1715.6
155°	1923.9	1930.2	1955.1	1979.9	1955.1	1930.2	1923.9	1866.7	1790.4	1752.3	1724.3
157.5°	1885.8	1890.2	1907.6	1925.1	1907.6	1890.2	1885.8	1841.3	1782.0	1752.3	1733.0
160°	1866.7	1869.2	1879.3	1889.4	1879.3	1869.2	1866.7	1828.6	1777.7	1752.3	1737.0
162.5°	1848.9	1851.3	1860.7	1870.3	1860.7	1851.3	1848.9	1816.7	1773.8	1752.3	1741.3
165°	1821.5	1824.0	1834.1	1844.1	1834.1	1824.0	1821.5	1798.5	1767.7	1752.3	1747.3
167.5°	1809.5	1810.6	1814.9	1819.1	1814.9	1810.6	1809.5	1794.4	1774.3	1764.3	1760.1
170°	1809.5	1809.5	1809.5	1809.5	1809.5	1809.5	1809.5	1794.4	1774.3	1764.3	1764.0
172.5°	1800.0	1799.0	1795.4	1791.7	1795.4	1799.0	1800.0	1788.0	1772.2	1764.3	1764.3
175°	1786.9	1786.9	1786.9	1786.9	1786.9	1786.9	1786.9	1779.4	1769.3	1764.3	1766.7
177.5°	1784.5	1783.5	1779.2	1775.0	1779.2	1783.5	1784.5	1778.6	1770.7	1766.7	1768.5
180°	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2667.4	2667.4	2667.4	2667.4	2667.4
2.5°	2634.6	2647.3	2654.8	2664.9	2690.1
5°	2533.6	2581.6	2596.7	2634.6	2680.0
7.5°	2311.6	2458.0	2498.3	2589.2	2659.9
10°	2097.1	2243.5	2314.1	2528.6	2634.6
12.5°	1988.6	2074.4	2122.3	2422.6	2599.2
15°	1920.4	1981.0	2016.3	2281.3	2558.9
17.5°	1867.4	1910.4	1935.6	2142.5	2503.3
20°	1834.7	1854.8	1877.5	2041.6	2440.3
22.5°	1811.9	1799.3	1817.0	1970.9	2354.5
25°	1796.7	1748.8	1769.0	1915.3	2253.5
27.5°	1809.4	1703.4	1711.0	1864.9	2147.5
30°	1811.9	1647.9	1650.4	1811.9	2028.9
32.5°	1794.3	1589.9	1592.4	1746.3	1895.2
35°	1751.4	1521.7	1519.2	1670.6	1713.5
37.5°	1693.3	1448.5	1448.5	1587.3	1514.2
40°	1622.6	1375.3	1382.9	1478.8	1337.5
42.5°	1536.9	1297.1	1307.2	1335.0	1206.3
45°	1443.5	1221.4	1229.0	1128.0	1105.3
47.5°	1340.1	1143.1	1145.7	936.3	1072.6
50°	1216.4	1062.4	1052.3	802.5	1070.0
52.5°	1107.8	974.1	943.8	726.8	971.6
55°	1001.9	880.7	815.1	668.8	900.9
57.5°	908.5	759.6	696.5	600.6	885.8
60°	822.6	641.0	593.1	527.4	812.6
62.5°	752.1	552.7	542.5	476.9	736.9
65°	676.3	492.1	489.5	434.0	625.8
67.5°	603.2	451.7	449.2	393.7	476.9
70°	524.9	408.8	403.8	350.8	353.3
72.5°	444.2	360.9	355.8	315.4	292.7
75°	363.4	305.3	302.8	275.0	237.2
77.5°	285.2	242.3	247.3	222.0	174.1
80°	204.4	176.7	181.7	159.0	131.2
82.5°	136.3	116.1	121.1	100.9	88.3
85°	75.7	65.6	68.1	53.0	40.4
87.5°	35.3	30.3	30.3	20.2	12.6
90°	52.4	33.3	30.9	21.5	11.9
92.5°	323.3	230.0	209.7	128.6	47.7
95°	795.3	447.9	410.8	262.6	114.4
97.5°	1071.4	492.0	459.4	328.5	197.8
100°	1171.9	529.0	499.3	380.7	262.1
102.5°	1217.9	565.8	538.1	427.6	316.9
105°	1252.0	620.7	597.3	503.5	409.8
107.5°	1258.4	701.6	679.8	592.5	505.1
110°	1248.9	746.9	727.2	648.3	569.5



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1249.2	801.7	782.9	707.8	632.6
115°	1260.8	883.9	866.6	797.2	727.9
117.5°	1284.2	963.8	948.0	885.0	822.0
120°	1303.3	1010.2	995.4	936.1	876.8
122.5°	1330.7	1065.0	1050.0	990.2	930.4
125°	1367.6	1135.3	1121.6	1067.1	1012.6
127.5°	1404.5	1203.2	1189.5	1134.3	1079.3
130°	1431.5	1248.5	1233.7	1174.4	1115.1
132.5°	1453.4	1285.4	1270.6	1211.3	1152.0
135°	1477.2	1328.3	1314.8	1260.8	1206.7
137.5°	1512.9	1383.0	1369.7	1316.3	1262.8
140°	1534.8	1420.0	1407.7	1358.5	1309.2
142.5°	1553.0	1447.4	1436.0	1390.5	1344.9
145°	1576.9	1489.1	1479.2	1439.5	1399.7
147.5°	1611.8	1541.6	1531.9	1493.2	1454.6
150°	1630.0	1568.9	1560.2	1525.2	1490.3
152.5°	1642.0	1586.8	1580.2	1553.7	1527.2
155°	1668.2	1626.1	1621.2	1601.6	1582.1
157.5°	1694.4	1665.4	1660.6	1641.6	1622.5
160°	1706.3	1683.3	1679.6	1664.8	1650.0
162.5°	1719.0	1702.4	1699.6	1688.4	1677.4
165°	1737.2	1729.7	1727.2	1717.1	1707.1
167.5°	1751.6	1745.3	1744.0	1739.2	1734.5
170°	1763.5	1763.1	1761.9	1757.1	1752.3
172.5°	1764.3	1764.3	1764.0	1762.9	1761.9
175°	1771.4	1775.0	1775.0	1775.0	1775.0
177.5°	1772.2	1775.0	1775.0	1775.0	1775.0
180°	1775.0	1775.0	1775.0	1775.0	1775.0



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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	12.28	13.04	13.33	14.10	15.53	15.11	15.87	16.17	16.93	18.37
	3H	12.74	13.42	13.81	14.49	15.95	16.45	17.13	17.52	18.20	19.66
	4H	12.93	13.58	14.01	14.65	16.11	16.89	17.54	17.97	18.61	20.07
	6H	13.04	13.64	14.13	14.71	16.19	17.18	17.77	18.26	18.84	20.32
	8H	13.04	13.61	14.13	14.70	16.17	17.25	17.81	18.34	18.90	20.37
	12H	13.01	13.55	14.11	14.63	16.12	17.28	17.82	18.38	18.91	20.40
4H	2H	13.30	13.94	14.38	15.01	16.48	15.51	16.15	16.59	17.23	18.69
	3H	14.31	14.85	15.41	15.95	17.43	17.01	17.55	18.10	18.64	20.12
	4H	14.59	15.08	15.68	16.17	17.67	17.53	18.03	18.63	19.11	20.61
	6H	14.71	15.13	15.81	16.24	17.73	17.89	18.32	19.00	19.43	20.92
	8H	14.71	15.10	15.81	16.21	17.71	18.00	18.40	19.11	19.50	21.01
	12H	14.67	15.03	15.79	16.15	17.66	18.05	18.41	19.18	19.53	21.04
8H	4H	15.03	15.43	16.14	16.53	18.04	17.65	18.04	18.75	19.15	20.65
	6H	15.29	15.62	16.42	16.76	18.27	18.08	18.41	19.21	19.56	21.06
	8H	15.33	15.62	16.47	16.74	18.27	18.24	18.52	19.37	19.65	21.17
	12H	15.31	15.56	16.45	16.69	18.25	18.33	18.58	19.47	19.71	21.27
12H	4H	15.03	15.39	16.16	16.51	18.02	17.61	17.97	18.73	19.08	20.59
	6H	15.35	15.64	16.48	16.76	18.29	18.08	18.37	19.21	19.49	21.02
	8H	15.41	15.66	16.55	16.79	18.35	18.24	18.49	19.38	19.61	21.17