

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: P934844

Luminaire Tested: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-8-3000K

Issue Date: 12/17/2024

**Test Information**

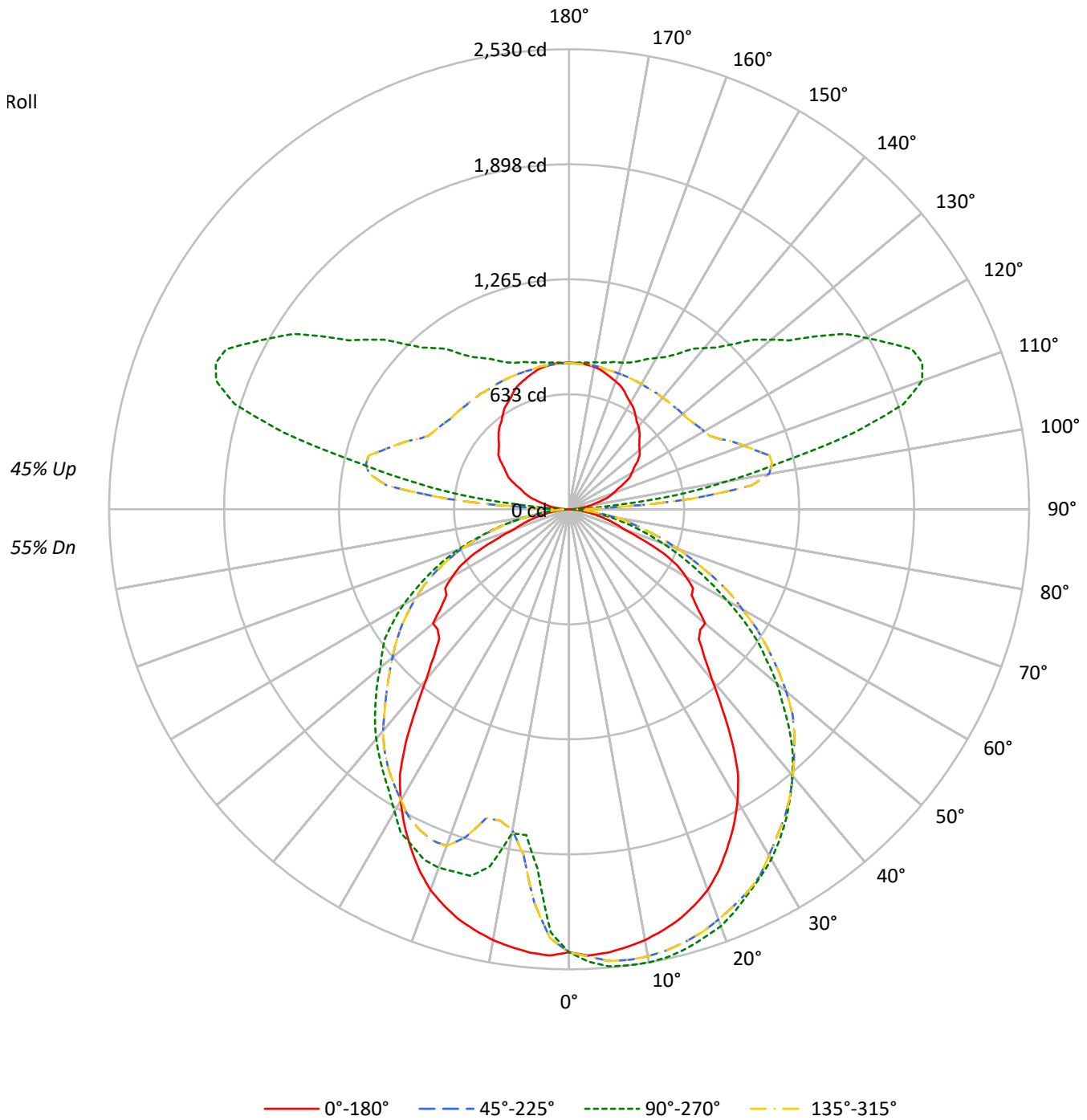
Test Method: LM-79-2019  
Report Number: P934844  
REPORT IS A COMBINATION OF REPORTS P933716 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-8-3000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11540.5 lumens  
Efficiency: N/A  
Efficacy: 112.7 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): 102.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				20	
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	108	108	108	108	100	100	100	100	86	86	86	73	73	73	60	60	60	55
1	99	95	91	87	92	88	85	82	76	73	71	64	62	61	54	52	51	46
2	90	83	76	71	83	77	72	67	66	62	59	56	53	51	47	45	43	39
3	82	73	65	59	76	68	61	56	58	53	49	50	46	43	42	39	37	33
4	75	64	56	50	69	60	53	47	52	46	42	44	40	37	37	34	32	28
5	69	57	49	43	64	54	46	41	46	41	36	40	35	32	34	30	28	24
6	64	51	43	37	59	48	41	35	42	36	32	36	31	28	30	27	24	21
7	59	46	38	33	54	43	36	31	38	32	28	33	28	25	28	24	21	19
8	55	42	34	29	51	39	32	27	35	29	25	30	25	22	25	22	19	17
9	51	38	31	26	47	36	29	25	32	26	22	27	23	20	24	20	17	15
10	47	35	28	23	44	33	26	22	29	24	20	25	21	18	22	18	16	14

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

	0°	90°	180°	270°
0°	11301	11301	11301	11301
5°	11385	11407	11385	8970
10°	11309	11237	11309	8034
15°	11186	10993	11186	9180
20°	10952	10705	10952	9199
25°	10473	10284	10473	9004
30°	9854	9935	9854	8576
35°	8785	9493	8785	8105
40°	7320	8973	7320	7750
45°	6541	8365	6541	7341
50°	6948	7639	6948	6932
55°	6538	6857	6538	6694
60°	6739	5823	6739	6131
65°	6109	4814	6109	5381
70°	4231	3837	4231	4510
75°	3710	2836	3710	3396
80°	2989	1875	2989	2042
85°	1719	993	1719	844

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 10024 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	219.9	1.9
10°-20°	624.2	5.4
20°-30°	965.0	8.4
30°-40°	1152.0	10.0
40°-50°	1158.7	10.0
50°-60°	1008.2	8.7
60°-70°	714.9	6.2
70°-80°	378.2	3.3
80°-90°	97.3	0.8
90°-100°	392.7	3.4
100°-110°	1032.4	8.9
110°-120°	1070.4	9.3
120°-130°	858.6	7.4
130°-140°	673.7	5.8
140°-150°	517.1	4.5
150°-160°	372.4	3.2
160°-170°	227.9	2.0
170°-180°	77.0	0.7
0°-30°	1809.1	15.7
0°-40°	2961.1	25.7
0°-60°	5128.0	44.4
0°-90°	6318.3	54.7
90°-120°	2495.5	21.6
90°-150°	4544.9	39.4
90°-180°	5222.0	45.2
0°-180°	11540.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2436	2436	2436	2436	2436	
5°	2447	2523	2447	1984	2447	232
15°	2337	2500	2337	2088	2337	657
25°	2058	2332	2058	2042	2058	945
35°	1565	2081	1565	1777	1565	968
45°	1009	1714	1009	1505	1009	809
55°	823	1265	823	1235	823	756
65°	571	763	571	853	571	546
75°	217	362	217	433	217	228
85°	37	92	37	78	37	50
90°	5	21	5	21	5	6
95°	52	237	52	237	52	58
105°	186	1616	186	1616	186	197
115°	330	2082	330	2082	330	326
125°	460	1658	460	1658	460	408
135°	548	1286	548	1286	548	424
145°	635	1044	635	1044	635	398
155°	718	898	718	898	718	330
165°	775	837	775	837	775	219
175°	806	811	806	811	806	76
180°	806	806	806	806	806	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7
2.5°	2456.4	2456.4	2470.2	2474.8	2474.8	2467.9	2461.1	2467.9	2488.7	2495.6	2493.3
5°	2447.2	2465.6	2491.0	2495.6	2500.2	2497.9	2493.3	2497.9	2521.0	2525.6	2527.9
7.5°	2428.8	2463.3	2495.6	2502.5	2509.5	2502.5	2500.2	2504.8	2527.9	2532.5	2532.5
10°	2405.7	2454.1	2491.0	2495.6	2502.5	2495.6	2495.6	2504.8	2527.9	2532.5	2534.7
12.5°	2373.4	2440.3	2474.8	2479.5	2488.7	2486.3	2484.1	2493.3	2516.3	2521.0	2521.0
15°	2336.6	2414.9	2447.2	2451.8	2467.9	2463.3	2463.3	2472.6	2497.9	2504.8	2502.5
17.5°	2285.9	2382.7	2419.5	2426.4	2437.9	2435.7	2437.9	2447.2	2470.2	2474.8	2477.2
20°	2228.3	2338.9	2382.7	2389.5	2401.1	2401.1	2401.1	2412.7	2435.7	2444.9	2444.9
22.5°	2149.9	2292.8	2338.9	2343.5	2357.3	2357.3	2361.9	2378.0	2398.8	2401.1	2401.1
25°	2057.7	2242.1	2281.2	2295.1	2309.0	2315.9	2322.7	2332.0	2338.9	2336.6	2338.9
27.5°	1960.9	2177.6	2228.3	2237.5	2256.0	2262.8	2272.1	2274.4	2276.7	2283.6	2279.0
30°	1852.6	2087.7	2163.8	2173.0	2202.9	2207.6	2198.3	2202.9	2214.4	2219.1	2223.7
32.5°	1730.6	1954.1	2097.0	2117.6	2145.3	2131.5	2129.2	2136.1	2154.5	2154.5	2159.2
35°	1564.6	1850.4	2034.7	2053.1	2073.9	2057.7	2067.0	2069.2	2080.8	2087.7	2085.4
37.5°	1382.6	1760.5	1970.2	1984.1	2000.2	1979.4	1993.2	2000.2	2009.3	2004.8	2004.8
40°	1221.3	1620.0	1894.1	1903.4	1917.2	1901.0	1914.9	1919.5	1924.1	1919.5	1917.2
42.5°	1101.5	1465.5	1813.5	1825.0	1815.8	1827.3	1832.0	1841.1	1834.2	1825.0	1825.0
45°	1009.3	1424.0	1725.9	1739.8	1725.9	1744.4	1751.3	1751.3	1730.6	1725.9	1723.7
47.5°	979.4	1341.1	1638.4	1638.4	1631.5	1654.5	1666.0	1649.9	1629.1	1622.2	1622.2
50°	977.0	1248.9	1518.6	1509.3	1541.6	1569.2	1557.7	1541.6	1525.4	1500.1	1500.1
52.5°	887.2	1136.0	1364.1	1398.7	1449.4	1465.5	1447.1	1431.0	1403.4	1391.9	1382.6
55°	822.7	1018.5	1223.6	1292.7	1345.7	1366.5	1331.9	1315.8	1274.3	1267.4	1262.8
57.5°	808.8	848.0	1094.6	1182.1	1246.7	1244.3	1223.6	1193.6	1159.1	1152.1	1149.9
60°	742.0	613.0	956.3	1060.0	1126.8	1119.9	1101.5	1073.8	1041.6	1036.9	1032.3
62.5°	672.9	444.7	799.6	917.1	1011.6	1009.3	993.2	951.7	928.6	917.1	907.9
65°	571.4	373.3	569.2	762.8	898.7	903.3	868.7	838.8	813.4	799.6	797.3
67.5°	435.5	304.2	384.8	636.0	790.4	785.8	742.0	728.1	695.9	689.0	675.1
70°	322.6	202.7	267.3	516.2	684.4	672.9	638.3	622.2	592.2	576.1	566.8
72.5°	267.3	163.6	195.9	401.0	576.1	562.3	532.3	513.9	488.5	474.6	465.5
75°	216.6	172.8	149.8	297.3	467.8	458.6	430.9	412.5	391.7	373.3	375.6
77.5°	159.0	161.3	119.8	218.9	371.0	357.2	341.1	318.0	308.8	290.4	290.4
80°	119.8	126.7	89.9	149.8	267.3	267.3	253.5	237.4	221.2	212.0	212.0
82.5°	80.7	80.7	66.8	94.4	182.1	175.1	165.9	161.3	152.1	147.5	147.5
85°	36.9	46.0	41.5	57.6	99.1	103.7	103.7	99.1	96.8	92.2	94.4
87.5°	11.5	20.8	25.4	32.3	50.7	53.0	55.3	55.3	55.3	57.6	57.6
90°	5.4	9.8	14.1	15.2	23.8	35.3	41.1	36.5	27.4	20.6	20.6
92.5°	21.6	58.4	95.2	104.4	146.8	203.2	231.4	202.8	145.6	102.7	98.6
95°	51.9	119.2	186.4	203.3	360.9	571.2	676.3	603.5	457.9	348.7	336.3
97.5°	89.7	149.1	208.5	223.3	486.2	836.8	1012.1	966.0	874.0	805.1	781.5
100°	118.9	172.7	226.6	240.1	531.9	920.9	1115.3	1118.7	1125.4	1130.5	1102.4
102.5°	143.8	194.0	244.3	256.8	552.7	947.3	1144.5	1203.1	1320.4	1408.4	1384.4
105°	186.0	228.6	271.0	281.7	568.2	950.3	1141.3	1272.7	1535.6	1732.7	1719.8
107.5°	229.3	268.9	308.5	318.5	571.1	908.0	1076.4	1259.7	1626.4	1901.5	1904.6
110°	258.5	294.2	330.0	339.0	566.7	870.5	1022.4	1227.3	1637.2	1944.7	1958.2



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	287.1	321.2	355.3	363.8	566.9	837.8	973.2	1183.0	1602.5	1917.2	1937.8
115°	330.3	361.8	393.3	401.1	572.1	800.2	914.2	1116.3	1520.5	1823.6	1852.3
117.5°	373.1	401.7	430.3	437.4	582.9	776.7	873.7	1056.0	1420.8	1694.4	1726.1
120°	397.9	424.8	451.7	458.4	591.4	768.8	857.5	1024.1	1357.4	1607.3	1638.2
122.5°	422.2	449.4	476.6	483.4	603.9	764.6	845.0	995.1	1295.2	1520.3	1550.7
125°	459.6	484.3	509.0	515.2	620.6	761.2	831.5	959.0	1213.9	1405.1	1433.2
127.5°	489.8	514.8	539.8	546.1	637.5	759.3	820.1	929.6	1148.5	1312.7	1336.3
130°	506.0	532.9	559.8	566.6	649.7	760.5	815.9	913.3	1108.2	1254.3	1276.2
132.5°	522.8	549.7	576.7	583.4	659.6	761.2	812.0	899.2	1073.7	1204.5	1224.2
135°	547.6	572.1	596.7	602.8	670.4	760.5	805.6	878.7	1024.7	1134.3	1151.2
137.5°	573.1	597.3	621.6	627.7	686.6	765.2	804.5	866.2	989.8	1082.4	1096.1
140°	594.2	616.5	638.9	644.4	696.5	766.0	800.7	854.1	960.7	1040.8	1053.7
142.5°	610.4	631.1	651.8	656.9	704.9	768.8	800.7	847.5	941.3	1011.6	1022.6
145°	635.3	653.3	671.3	675.8	715.7	768.8	795.3	833.7	910.3	967.8	976.2
147.5°	660.1	677.7	695.3	699.6	731.5	774.0	795.3	825.5	885.7	931.0	938.0
150°	676.3	692.2	708.1	712.0	739.7	776.8	795.3	820.8	871.7	909.9	915.5
152.5°	693.1	705.1	717.2	720.1	745.2	778.6	795.3	817.0	860.5	893.1	897.4
155°	717.9	726.8	735.7	738.0	757.1	782.6	795.3	812.6	847.2	873.2	876.0
157.5°	736.3	745.0	753.6	755.8	769.0	786.5	795.3	808.7	835.7	855.8	857.8
160°	748.8	755.5	762.2	763.9	774.4	788.3	795.3	806.8	829.9	847.2	848.3
162.5°	761.2	766.3	771.3	772.6	780.2	790.2	795.3	805.1	824.5	839.1	840.1
165°	774.7	779.2	783.9	785.0	788.4	793.0	795.3	802.3	816.2	826.7	827.8
167.5°	787.2	789.4	791.5	792.1	794.9	798.8	800.7	805.2	814.4	821.3	821.7
170°	795.3	797.5	799.7	800.2	800.4	800.6	800.7	805.2	814.4	821.3	821.3
172.5°	799.7	800.1	800.6	800.7	800.7	800.7	800.7	804.3	811.5	816.9	816.5
175°	805.6	805.6	805.6	805.6	803.9	801.7	800.7	803.0	807.6	811.0	811.0
177.5°	805.6	805.6	805.6	805.6	804.3	802.6	801.7	803.6	807.2	809.9	809.4
180°	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7
2.5°	2497.9	2491.0	2497.9	2493.3	2495.6	2488.7	2467.9	2461.1	2467.9	2474.8	2474.8
5°	2527.9	2523.2	2527.9	2527.9	2525.6	2521.0	2497.9	2493.3	2497.9	2500.2	2495.6
7.5°	2537.1	2530.1	2537.1	2532.5	2532.5	2527.9	2504.8	2500.2	2502.5	2509.5	2502.5
10°	2537.1	2530.1	2537.1	2534.7	2532.5	2527.9	2504.8	2495.6	2495.6	2502.5	2495.6
12.5°	2525.6	2521.0	2525.6	2521.0	2521.0	2516.3	2493.3	2484.1	2486.3	2488.7	2479.5
15°	2507.1	2500.2	2507.1	2502.5	2504.8	2497.9	2472.6	2463.3	2463.3	2467.9	2451.8
17.5°	2479.5	2470.2	2479.5	2477.2	2474.8	2470.2	2447.2	2437.9	2435.7	2437.9	2426.4
20°	2447.2	2440.3	2447.2	2444.9	2444.9	2435.7	2412.7	2401.1	2401.1	2401.1	2389.5
22.5°	2396.5	2389.5	2396.5	2401.1	2401.1	2398.8	2378.0	2361.9	2357.3	2357.3	2343.5
25°	2338.9	2332.0	2338.9	2338.9	2336.6	2338.9	2332.0	2322.7	2315.9	2309.0	2295.1
27.5°	2283.6	2279.0	2283.6	2279.0	2283.6	2276.7	2274.4	2272.1	2262.8	2256.0	2237.5
30°	2228.3	2223.7	2228.3	2223.7	2219.1	2214.4	2202.9	2198.3	2207.6	2202.9	2173.0
32.5°	2159.2	2154.5	2159.2	2159.2	2154.5	2154.5	2136.1	2129.2	2131.5	2145.3	2117.6
35°	2087.7	2080.8	2087.7	2085.4	2087.7	2080.8	2069.2	2067.0	2057.7	2073.9	2053.1
37.5°	2004.8	1997.8	2004.8	2004.8	2004.8	2009.3	2000.2	1993.2	1979.4	2000.2	1984.1
40°	1919.5	1910.3	1919.5	1917.2	1919.5	1924.1	1919.5	1914.9	1901.0	1917.2	1903.4
42.5°	1822.7	1820.5	1822.7	1825.0	1825.0	1834.2	1841.1	1832.0	1827.3	1815.8	1825.0
45°	1719.0	1714.4	1719.0	1723.7	1725.9	1730.6	1751.3	1751.3	1744.4	1725.9	1739.8
47.5°	1608.4	1596.9	1608.4	1622.2	1622.2	1629.1	1649.9	1666.0	1654.5	1631.5	1638.4
50°	1490.9	1493.2	1490.9	1500.1	1500.1	1525.4	1541.6	1557.7	1569.2	1541.6	1509.3
52.5°	1375.7	1373.4	1375.7	1382.6	1391.9	1403.4	1431.0	1447.1	1465.5	1449.4	1398.7
55°	1260.4	1265.1	1260.4	1262.8	1267.4	1274.3	1315.8	1331.9	1366.5	1345.7	1292.7
57.5°	1145.2	1138.4	1145.2	1149.9	1152.1	1159.1	1193.6	1223.6	1244.3	1246.7	1182.1
60°	1011.6	1002.4	1011.6	1032.3	1036.9	1041.6	1073.8	1101.5	1119.9	1126.8	1060.0
62.5°	894.1	878.0	894.1	907.9	917.1	928.6	951.7	993.2	1009.3	1011.6	917.1
65°	769.7	762.8	769.7	797.3	799.6	813.4	838.8	868.7	903.3	898.7	762.8
67.5°	656.7	656.7	656.7	675.1	689.0	695.9	728.1	742.0	785.8	790.4	636.0
70°	553.0	550.8	553.0	566.8	576.1	592.2	622.2	638.3	672.9	684.4	516.2
72.5°	454.0	451.6	454.0	465.5	474.6	488.5	513.9	532.3	562.3	576.1	401.0
75°	366.4	361.8	366.4	375.6	373.3	391.7	412.5	430.9	458.6	467.8	297.3
77.5°	281.1	281.1	281.1	290.4	290.4	308.8	318.0	341.1	357.2	371.0	218.9
80°	209.7	207.4	209.7	212.0	212.0	221.2	237.4	253.5	267.3	267.3	149.8
82.5°	147.5	142.8	147.5	147.5	147.5	152.1	161.3	165.9	175.1	182.1	94.4
85°	92.2	92.2	92.2	94.4	92.2	96.8	99.1	103.7	103.7	99.1	57.6
87.5°	59.9	57.6	59.9	57.6	57.6	55.3	55.3	55.3	53.0	50.7	32.3
90°	20.6	20.6	20.6	20.6	20.6	27.4	36.5	41.1	35.3	23.8	15.2
92.5°	82.3	65.9	82.3	98.6	102.7	145.6	202.8	231.4	203.2	146.8	104.4
95°	286.9	237.4	286.9	336.3	348.7	457.9	603.5	676.3	571.2	360.9	203.3
97.5°	687.2	593.1	687.2	781.5	805.1	874.0	966.0	1012.1	836.8	486.2	223.3
100°	990.3	878.1	990.3	1102.4	1130.5	1125.4	1118.7	1115.3	920.9	531.9	240.1
102.5°	1288.3	1192.2	1288.3	1384.4	1408.4	1320.4	1203.1	1144.5	947.3	552.7	256.8
105°	1668.1	1616.5	1668.1	1719.8	1732.7	1535.6	1272.7	1141.3	950.3	568.2	281.7
107.5°	1917.1	1929.5	1917.1	1904.6	1901.5	1626.4	1259.7	1076.4	908.0	571.1	318.5
110°	2012.0	2065.8	2012.0	1958.2	1944.7	1637.2	1227.3	1022.4	870.5	566.7	339.0





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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2020.4	2103.1	2020.4	1937.8	1917.2	1602.5	1183.0	973.2	837.8	566.9	363.8
115°	1966.9	2081.5	1966.9	1852.3	1823.6	1520.5	1116.3	914.2	800.2	572.1	401.1
117.5°	1853.2	1980.4	1853.2	1726.1	1694.4	1420.8	1056.0	873.7	776.7	582.9	437.4
120°	1761.8	1885.3	1761.8	1638.2	1607.3	1357.4	1024.1	857.5	768.8	591.4	458.4
122.5°	1672.6	1794.4	1672.6	1550.7	1520.3	1295.2	995.1	845.0	764.6	603.9	483.4
125°	1545.4	1657.6	1545.4	1433.2	1405.1	1213.9	959.0	831.5	761.2	620.6	515.2
127.5°	1431.0	1525.7	1431.0	1336.3	1312.7	1148.5	929.6	820.1	759.3	637.5	546.1
130°	1363.6	1451.1	1363.6	1276.2	1254.3	1108.2	913.3	815.9	760.5	649.7	566.6
132.5°	1302.5	1380.8	1302.5	1224.2	1204.5	1073.7	899.2	812.0	761.2	659.6	583.4
135°	1218.7	1286.2	1218.7	1151.2	1134.3	1024.7	878.7	805.6	760.5	670.4	602.8
137.5°	1151.4	1206.7	1151.4	1096.1	1082.4	989.8	866.2	804.5	765.2	686.6	627.7
140°	1105.4	1157.0	1105.4	1053.7	1040.8	960.7	854.1	800.7	766.0	696.5	644.4
142.5°	1067.1	1111.6	1067.1	1022.6	1011.6	941.3	847.5	800.7	768.8	704.9	656.9
145°	1009.8	1043.5	1009.8	976.2	967.8	910.3	833.7	795.3	768.8	715.7	675.8
147.5°	965.8	993.7	965.8	938.0	931.0	885.7	825.5	795.3	774.0	731.5	699.6
150°	938.1	960.7	938.1	915.5	909.9	871.7	820.8	795.3	776.8	739.7	712.0
152.5°	914.4	931.5	914.4	897.4	893.1	860.5	817.0	795.3	778.6	745.2	720.1
155°	887.3	898.5	887.3	876.0	873.2	847.2	812.6	795.3	782.6	757.1	738.0
157.5°	865.8	873.7	865.8	857.8	855.8	835.7	808.7	795.3	786.5	769.0	755.8
160°	852.9	857.5	852.9	848.3	847.2	829.9	806.8	795.3	788.3	774.4	763.9
162.5°	844.5	848.8	844.5	840.1	839.1	824.5	805.1	795.3	790.2	780.2	772.6
165°	832.4	836.9	832.4	827.8	826.7	816.2	802.3	795.3	793.0	788.4	785.0
167.5°	823.6	825.6	823.6	821.7	821.3	814.4	805.2	800.7	798.8	794.9	792.1
170°	821.3	821.3	821.3	821.3	821.3	814.4	805.2	800.7	800.6	800.4	800.2
172.5°	814.8	813.2	814.8	816.5	816.9	811.5	804.3	800.7	800.7	800.7	800.7
175°	811.0	811.0	811.0	811.0	811.0	807.6	803.0	800.7	801.7	803.9	805.6
177.5°	807.5	805.6	807.5	809.4	809.9	807.2	803.6	801.7	802.6	804.3	805.6
180°	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6



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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7
2.5°	2470.2	2456.4	2456.4	2433.4	2424.2	2417.3	2405.7	2371.1	2361.9	2352.7	2366.5
5°	2491.0	2465.6	2447.2	2405.7	2371.1	2357.3	2313.5	2230.6	2175.3	2133.8	2110.8
7.5°	2495.6	2463.3	2428.8	2364.3	2281.2	2244.4	2110.8	1958.7	1917.2	1880.4	1857.3
10°	2491.0	2454.1	2405.7	2309.0	2113.0	2048.6	1914.9	1815.8	1790.5	1783.6	1790.5
12.5°	2474.8	2440.3	2373.4	2212.2	1937.9	1894.1	1815.8	1758.2	1753.6	1765.1	1827.3
15°	2447.2	2414.9	2336.6	2083.1	1841.1	1808.9	1753.6	1732.8	1758.2	1838.9	2025.5
17.5°	2419.5	2382.7	2285.9	1956.4	1767.4	1744.4	1705.2	1746.7	1889.5	1997.8	2060.1
20°	2382.7	2338.9	2228.3	1864.2	1714.4	1693.7	1675.3	1861.9	1970.2	2009.3	2044.0
22.5°	2338.9	2292.8	2149.9	1799.7	1659.1	1643.0	1654.5	1926.4	1970.2	1997.8	2027.8
25°	2281.2	2242.1	2057.7	1749.0	1615.4	1596.9	1640.6	1919.5	1944.8	1951.8	2011.7
27.5°	2228.3	2177.6	1960.9	1702.9	1562.3	1555.4	1652.2	1889.5	1908.0	1914.9	1979.4
30°	2163.8	2087.7	1852.6	1654.5	1507.0	1504.7	1654.5	1852.6	1848.1	1866.5	1931.0
32.5°	2097.0	1954.1	1730.6	1594.6	1454.0	1451.8	1638.4	1797.3	1792.7	1818.1	1866.5
35°	2034.7	1850.4	1564.6	1525.4	1387.2	1389.5	1599.2	1732.8	1735.2	1758.2	1788.2
37.5°	1970.2	1760.5	1382.6	1449.4	1322.7	1322.7	1546.2	1672.9	1668.4	1675.3	1716.7
40°	1894.1	1620.0	1221.3	1350.3	1262.8	1255.8	1481.7	1608.4	1592.2	1590.0	1647.6
42.5°	1813.5	1465.5	1101.5	1219.0	1193.6	1184.4	1403.4	1530.1	1500.1	1507.0	1580.7
45°	1725.9	1424.0	1009.3	1030.0	1122.2	1115.3	1318.1	1440.2	1419.5	1437.9	1513.9
47.5°	1638.4	1341.1	979.4	854.9	1046.2	1043.8	1223.6	1352.6	1341.1	1359.6	1440.2
50°	1518.6	1248.9	977.0	732.8	960.9	970.1	1110.7	1267.4	1267.4	1283.5	1368.7
52.5°	1364.1	1136.0	887.2	663.6	861.8	889.5	1011.6	1193.6	1198.3	1214.4	1290.4
55°	1223.6	1018.5	822.7	610.7	744.3	804.2	914.9	1117.6	1126.8	1143.0	1212.0
57.5°	1094.6	848.0	808.8	548.4	636.0	693.6	829.6	1043.8	1048.4	1062.3	1129.1
60°	956.3	613.0	742.0	481.6	541.5	585.3	751.2	956.3	972.4	981.6	1039.3
62.5°	799.6	444.7	672.9	435.5	495.4	504.6	686.7	873.3	894.1	901.0	935.5
65°	569.2	373.3	571.4	396.3	447.0	449.4	617.6	788.1	806.5	818.1	843.3
67.5°	384.8	304.2	435.5	359.5	410.2	412.5	550.8	689.0	714.4	723.5	739.7
70°	267.3	202.7	322.6	320.3	368.7	373.3	479.3	599.1	622.2	629.1	638.3
72.5°	195.9	163.6	267.3	288.0	324.9	329.5	405.6	497.8	520.8	527.7	532.3
75°	149.8	172.8	216.6	251.1	276.5	278.8	331.8	405.6	421.7	426.3	428.6
77.5°	119.8	161.3	159.0	202.7	225.9	221.2	260.4	313.4	327.2	327.2	327.2
80°	89.9	126.7	119.8	145.2	165.9	161.3	186.6	223.5	228.1	232.7	230.4
82.5°	66.8	80.7	80.7	92.2	110.6	106.0	124.4	145.2	145.2	145.2	149.8
85°	41.5	46.0	36.9	48.4	62.2	59.9	69.2	78.3	80.7	80.7	76.0
87.5°	25.4	20.8	11.5	18.4	27.6	27.6	32.3	34.5	32.3	32.3	32.3
90°	14.1	9.8	5.4	9.8	14.1	15.2	23.8	35.3	41.1	36.5	27.4
92.5°	95.2	58.4	21.6	58.4	95.2	104.4	146.8	203.2	231.4	202.8	145.6
95°	186.4	119.2	51.9	119.2	186.4	203.3	360.9	571.2	676.3	603.5	457.9
97.5°	208.5	149.1	89.7	149.1	208.5	223.3	486.2	836.8	1012.1	966.0	874.0
100°	226.6	172.7	118.9	172.7	226.6	240.1	531.9	920.9	1115.3	1118.7	1125.4
102.5°	244.3	194.0	143.8	194.0	244.3	256.8	552.7	947.3	1144.5	1203.1	1320.4
105°	271.0	228.6	186.0	228.6	271.0	281.7	568.2	950.3	1141.3	1272.7	1535.6
107.5°	308.5	268.9	229.3	268.9	308.5	318.5	571.1	908.0	1076.4	1259.7	1626.4
110°	330.0	294.2	258.5	294.2	330.0	339.0	566.7	870.5	1022.4	1227.3	1637.2



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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	355.3	321.2	287.1	321.2	355.3	363.8	566.9	837.8	973.2	1183.0	1602.5
115°	393.3	361.8	330.3	361.8	393.3	401.1	572.1	800.2	914.2	1116.3	1520.5
117.5°	430.3	401.7	373.1	401.7	430.3	437.4	582.9	776.7	873.7	1056.0	1420.8
120°	451.7	424.8	397.9	424.8	451.7	458.4	591.4	768.8	857.5	1024.1	1357.4
122.5°	476.6	449.4	422.2	449.4	476.6	483.4	603.9	764.6	845.0	995.1	1295.2
125°	509.0	484.3	459.6	484.3	509.0	515.2	620.6	761.2	831.5	959.0	1213.9
127.5°	539.8	514.8	489.8	514.8	539.8	546.1	637.5	759.3	820.1	929.6	1148.5
130°	559.8	532.9	506.0	532.9	559.8	566.6	649.7	760.5	815.9	913.3	1108.2
132.5°	576.7	549.7	522.8	549.7	576.7	583.4	659.6	761.2	812.0	899.2	1073.7
135°	596.7	572.1	547.6	572.1	596.7	602.8	670.4	760.5	805.6	878.7	1024.7
137.5°	621.6	597.3	573.1	597.3	621.6	627.7	686.6	765.2	804.5	866.2	989.8
140°	638.9	616.5	594.2	616.5	638.9	644.4	696.5	766.0	800.7	854.1	960.7
142.5°	651.8	631.1	610.4	631.1	651.8	656.9	704.9	768.8	800.7	847.5	941.3
145°	671.3	653.3	635.3	653.3	671.3	675.8	715.7	768.8	795.3	833.7	910.3
147.5°	695.3	677.7	660.1	677.7	695.3	699.6	731.5	774.0	795.3	825.5	885.7
150°	708.1	692.2	676.3	692.2	708.1	712.0	739.7	776.8	795.3	820.8	871.7
152.5°	717.2	705.1	693.1	705.1	717.2	720.1	745.2	778.6	795.3	817.0	860.5
155°	735.7	726.8	717.9	726.8	735.7	738.0	757.1	782.6	795.3	812.6	847.2
157.5°	753.6	745.0	736.3	745.0	753.6	755.8	769.0	786.5	795.3	808.7	835.7
160°	762.2	755.5	748.8	755.5	762.2	763.9	774.4	788.3	795.3	806.8	829.9
162.5°	771.3	766.3	761.2	766.3	771.3	772.6	780.2	790.2	795.3	805.1	824.5
165°	783.9	779.2	774.7	779.2	783.9	785.0	788.4	793.0	795.3	802.3	816.2
167.5°	791.5	789.4	787.2	789.4	791.5	792.1	794.9	798.8	800.7	805.2	814.4
170°	799.7	797.5	795.3	797.5	799.7	800.2	800.4	800.6	800.7	805.2	814.4
172.5°	800.6	800.1	799.7	800.1	800.6	800.7	800.7	800.7	800.7	804.3	811.5
175°	805.6	805.6	805.6	805.6	805.6	805.6	803.9	801.7	800.7	803.0	807.6
177.5°	805.6	805.6	805.6	805.6	805.6	805.6	804.3	802.6	801.7	803.6	807.2
180°	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7
2.5°	2350.4	2343.5	2352.7	2327.4	2352.7	2343.5	2350.4	2366.5	2352.7	2361.9	2371.1
5°	2062.4	2050.8	2014.0	1984.1	2014.0	2050.8	2062.4	2110.8	2133.8	2175.3	2230.6
7.5°	1843.5	1834.2	1825.0	1806.6	1825.0	1834.2	1843.5	1857.3	1880.4	1917.2	1958.7
10°	1795.1	1797.3	1811.2	1808.9	1811.2	1797.3	1795.1	1790.5	1783.6	1790.5	1815.8
12.5°	1919.5	1940.3	2016.3	2011.7	2016.3	1940.3	1919.5	1827.3	1765.1	1753.6	1758.2
15°	2062.4	2069.2	2085.4	2087.7	2085.4	2069.2	2062.4	2025.5	1838.9	1758.2	1732.8
17.5°	2076.2	2078.5	2090.0	2090.0	2090.0	2078.5	2076.2	2060.1	1997.8	1889.5	1746.7
20°	2064.7	2069.2	2092.4	2097.0	2092.4	2069.2	2064.7	2044.0	2009.3	1970.2	1861.9
22.5°	2060.1	2069.2	2087.7	2085.4	2087.7	2069.2	2060.1	2027.8	1997.8	1970.2	1926.4
25°	2037.0	2037.0	2039.3	2041.6	2039.3	2037.0	2037.0	2011.7	1951.8	1944.8	1919.5
27.5°	1988.7	1993.2	2007.1	2004.8	2007.1	1993.2	1988.7	1979.4	1914.9	1908.0	1889.5
30°	1944.8	1940.3	1928.7	1919.5	1928.7	1940.3	1944.8	1931.0	1866.5	1848.1	1852.6
32.5°	1871.1	1859.6	1848.1	1841.1	1848.1	1859.6	1871.1	1866.5	1818.1	1792.7	1797.3
35°	1783.6	1785.8	1783.6	1776.6	1783.6	1785.8	1783.6	1788.2	1758.2	1735.2	1732.8
37.5°	1721.3	1725.9	1723.7	1714.4	1723.7	1725.9	1721.3	1716.7	1675.3	1668.4	1672.9
40°	1656.8	1659.1	1656.8	1649.9	1656.8	1659.1	1656.8	1647.6	1590.0	1592.2	1608.4
42.5°	1594.6	1592.2	1585.4	1580.7	1585.4	1592.2	1594.6	1580.7	1507.0	1500.1	1530.1
45°	1523.2	1525.4	1511.7	1504.7	1511.7	1525.4	1523.2	1513.9	1437.9	1419.5	1440.2
47.5°	1451.8	1451.8	1440.2	1433.3	1440.2	1451.8	1451.8	1440.2	1359.6	1341.1	1352.6
50°	1375.7	1373.4	1357.2	1355.0	1357.2	1373.4	1375.7	1368.7	1283.5	1267.4	1267.4
52.5°	1288.1	1288.1	1290.4	1295.1	1290.4	1288.1	1288.1	1290.4	1214.4	1198.3	1193.6
55°	1212.0	1214.4	1230.5	1235.1	1230.5	1214.4	1212.0	1212.0	1143.0	1126.8	1117.6
57.5°	1133.7	1133.7	1145.2	1145.2	1145.2	1133.7	1133.7	1129.1	1062.3	1048.4	1043.8
60°	1043.8	1048.4	1057.7	1055.4	1057.7	1048.4	1043.8	1039.3	981.6	972.4	956.3
62.5°	949.4	954.0	956.3	951.7	956.3	954.0	949.4	935.5	901.0	894.1	873.3
65°	850.3	854.9	857.2	852.6	857.2	854.9	850.3	843.3	818.1	806.5	788.1
67.5°	748.9	746.6	744.3	753.5	744.3	746.6	748.9	739.7	723.5	714.4	689.0
70°	645.2	645.2	642.9	647.5	642.9	645.2	645.2	638.3	629.1	622.2	599.1
72.5°	534.6	532.3	541.5	534.6	541.5	532.3	534.6	532.3	527.7	520.8	497.8
75°	426.3	430.9	426.3	433.2	426.3	430.9	426.3	428.6	426.3	421.7	405.6
77.5°	324.9	329.5	324.9	324.9	324.9	329.5	324.9	327.2	327.2	327.2	313.4
80°	230.4	228.1	228.1	225.9	228.1	228.1	230.4	230.4	232.7	228.1	223.5
82.5°	147.5	145.2	145.2	149.8	145.2	145.2	147.5	149.8	145.2	145.2	145.2
85°	80.7	82.9	78.3	78.3	78.3	82.9	80.7	76.0	80.7	80.7	78.3
87.5°	30.0	27.6	27.6	27.6	27.6	27.6	30.0	32.3	32.3	32.3	34.5
90°	20.6	20.6	20.6	20.6	20.6	20.6	20.6	27.4	36.5	41.1	35.3
92.5°	102.7	98.6	82.3	65.9	82.3	98.6	102.7	145.6	202.8	231.4	203.2
95°	348.7	336.3	286.9	237.4	286.9	336.3	348.7	457.9	603.5	676.3	571.2
97.5°	805.1	781.5	687.2	593.1	687.2	781.5	805.1	874.0	966.0	1012.1	836.8
100°	1130.5	1102.4	990.3	878.1	990.3	1102.4	1130.5	1125.4	1118.7	1115.3	920.9
102.5°	1408.4	1384.4	1288.3	1192.2	1288.3	1384.4	1408.4	1320.4	1203.1	1144.5	947.3
105°	1732.7	1719.8	1668.1	1616.5	1668.1	1719.8	1732.7	1535.6	1272.7	1141.3	950.3
107.5°	1901.5	1904.6	1917.1	1929.5	1917.1	1904.6	1901.5	1626.4	1259.7	1076.4	908.0
110°	1944.7	1958.2	2012.0	2065.8	2012.0	1958.2	1944.7	1637.2	1227.3	1022.4	870.5



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1917.2	1937.8	2020.4	2103.1	2020.4	1937.8	1917.2	1602.5	1183.0	973.2	837.8
115°	1823.6	1852.3	1966.9	2081.5	1966.9	1852.3	1823.6	1520.5	1116.3	914.2	800.2
117.5°	1694.4	1726.1	1853.2	1980.4	1853.2	1726.1	1694.4	1420.8	1056.0	873.7	776.7
120°	1607.3	1638.2	1761.8	1885.3	1761.8	1638.2	1607.3	1357.4	1024.1	857.5	768.8
122.5°	1520.3	1550.7	1672.6	1794.4	1672.6	1550.7	1520.3	1295.2	995.1	845.0	764.6
125°	1405.1	1433.2	1545.4	1657.6	1545.4	1433.2	1405.1	1213.9	959.0	831.5	761.2
127.5°	1312.7	1336.3	1431.0	1525.7	1431.0	1336.3	1312.7	1148.5	929.6	820.1	759.3
130°	1254.3	1276.2	1363.6	1451.1	1363.6	1276.2	1254.3	1108.2	913.3	815.9	760.5
132.5°	1204.5	1224.2	1302.5	1380.8	1302.5	1224.2	1204.5	1073.7	899.2	812.0	761.2
135°	1134.3	1151.2	1218.7	1286.2	1218.7	1151.2	1134.3	1024.7	878.7	805.6	760.5
137.5°	1082.4	1096.1	1151.4	1206.7	1151.4	1096.1	1082.4	989.8	866.2	804.5	765.2
140°	1040.8	1053.7	1105.4	1157.0	1105.4	1053.7	1040.8	960.7	854.1	800.7	766.0
142.5°	1011.6	1022.6	1067.1	1111.6	1067.1	1022.6	1011.6	941.3	847.5	800.7	768.8
145°	967.8	976.2	1009.8	1043.5	1009.8	976.2	967.8	910.3	833.7	795.3	768.8
147.5°	931.0	938.0	965.8	993.7	965.8	938.0	931.0	885.7	825.5	795.3	774.0
150°	909.9	915.5	938.1	960.7	938.1	915.5	909.9	871.7	820.8	795.3	776.8
152.5°	893.1	897.4	914.4	931.5	914.4	897.4	893.1	860.5	817.0	795.3	778.6
155°	873.2	876.0	887.3	898.5	887.3	876.0	873.2	847.2	812.6	795.3	782.6
157.5°	855.8	857.8	865.8	873.7	865.8	857.8	855.8	835.7	808.7	795.3	786.5
160°	847.2	848.3	852.9	857.5	852.9	848.3	847.2	829.9	806.8	795.3	788.3
162.5°	839.1	840.1	844.5	848.8	844.5	840.1	839.1	824.5	805.1	795.3	790.2
165°	826.7	827.8	832.4	836.9	832.4	827.8	826.7	816.2	802.3	795.3	793.0
167.5°	821.3	821.7	823.6	825.6	823.6	821.7	821.3	814.4	805.2	800.7	798.8
170°	821.3	821.3	821.3	821.3	821.3	821.3	821.3	814.4	805.2	800.7	800.6
172.5°	816.9	816.5	814.8	813.2	814.8	816.5	816.9	811.5	804.3	800.7	800.7
175°	811.0	811.0	811.0	811.0	811.0	811.0	811.0	807.6	803.0	800.7	801.7
177.5°	809.9	809.4	807.5	805.6	807.5	809.4	809.9	807.2	803.6	801.7	802.6
180°	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2435.7	2435.7	2435.7	2435.7	2435.7
2.5°	2405.7	2417.3	2424.2	2433.4	2456.4
5°	2313.5	2357.3	2371.1	2405.7	2447.2
7.5°	2110.8	2244.4	2281.2	2364.3	2428.8
10°	1914.9	2048.6	2113.0	2309.0	2405.7
12.5°	1815.8	1894.1	1937.9	2212.2	2373.4
15°	1753.6	1808.9	1841.1	2083.1	2336.6
17.5°	1705.2	1744.4	1767.4	1956.4	2285.9
20°	1675.3	1693.7	1714.4	1864.2	2228.3
22.5°	1654.5	1643.0	1659.1	1799.7	2149.9
25°	1640.6	1596.9	1615.4	1749.0	2057.7
27.5°	1652.2	1555.4	1562.3	1702.9	1960.9
30°	1654.5	1504.7	1507.0	1654.5	1852.6
32.5°	1638.4	1451.8	1454.0	1594.6	1730.6
35°	1599.2	1389.5	1387.2	1525.4	1564.6
37.5°	1546.2	1322.7	1322.7	1449.4	1382.6
40°	1481.7	1255.8	1262.8	1350.3	1221.3
42.5°	1403.4	1184.4	1193.6	1219.0	1101.5
45°	1318.1	1115.3	1122.2	1030.0	1009.3
47.5°	1223.6	1043.8	1046.2	854.9	979.4
50°	1110.7	970.1	960.9	732.8	977.0
52.5°	1011.6	889.5	861.8	663.6	887.2
55°	914.9	804.2	744.3	610.7	822.7
57.5°	829.6	693.6	636.0	548.4	808.8
60°	751.2	585.3	541.5	481.6	742.0
62.5°	686.7	504.6	495.4	435.5	672.9
65°	617.6	449.4	447.0	396.3	571.4
67.5°	550.8	412.5	410.2	359.5	435.5
70°	479.3	373.3	368.7	320.3	322.6
72.5°	405.6	329.5	324.9	288.0	267.3
75°	331.8	278.8	276.5	251.1	216.6
77.5°	260.4	221.2	225.9	202.7	159.0
80°	186.6	161.3	165.9	145.2	119.8
82.5°	124.4	106.0	110.6	92.2	80.7
85°	69.2	59.9	62.2	48.4	36.9
87.5°	32.3	27.6	27.6	18.4	11.5
90°	23.8	15.2	14.1	9.8	5.4
92.5°	146.8	104.4	95.2	58.4	21.6
95°	360.9	203.3	186.4	119.2	51.9
97.5°	486.2	223.3	208.5	149.1	89.7
100°	531.9	240.1	226.6	172.7	118.9
102.5°	552.7	256.8	244.3	194.0	143.8
105°	568.2	281.7	271.0	228.6	186.0
107.5°	571.1	318.5	308.5	268.9	229.3
110°	566.7	339.0	330.0	294.2	258.5



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	566.9	363.8	355.3	321.2	287.1
115°	572.1	401.1	393.3	361.8	330.3
117.5°	582.9	437.4	430.3	401.7	373.1
120°	591.4	458.4	451.7	424.8	397.9
122.5°	603.9	483.4	476.6	449.4	422.2
125°	620.6	515.2	509.0	484.3	459.6
127.5°	637.5	546.1	539.8	514.8	489.8
130°	649.7	566.6	559.8	532.9	506.0
132.5°	659.6	583.4	576.7	549.7	522.8
135°	670.4	602.8	596.7	572.1	547.6
137.5°	686.6	627.7	621.6	597.3	573.1
140°	696.5	644.4	638.9	616.5	594.2
142.5°	704.9	656.9	651.8	631.1	610.4
145°	715.7	675.8	671.3	653.3	635.3
147.5°	731.5	699.6	695.3	677.7	660.1
150°	739.7	712.0	708.1	692.2	676.3
152.5°	745.2	720.1	717.2	705.1	693.1
155°	757.1	738.0	735.7	726.8	717.9
157.5°	769.0	755.8	753.6	745.0	736.3
160°	774.4	763.9	762.2	755.5	748.8
162.5°	780.2	772.6	771.3	766.3	761.2
165°	788.4	785.0	783.9	779.2	774.7
167.5°	794.9	792.1	791.5	789.4	787.2
170°	800.4	800.2	799.7	797.5	795.3
172.5°	800.7	800.7	800.6	800.1	799.7
175°	803.9	805.6	805.6	805.6	805.6
177.5°	804.3	805.6	805.6	805.6	805.6
180°	805.6	805.6	805.6	805.6	805.6



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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	13.66	14.57	14.58	15.50	16.70	16.50	17.40	17.41	18.34	19.54
	3H	14.14	14.95	15.07	15.90	17.12	17.85	18.66	18.78	19.60	20.83
	4H	14.33	15.10	15.28	16.05	17.28	18.30	19.06	19.24	20.01	21.25
	6H	14.45	15.16	15.41	16.12	17.36	18.59	19.29	19.54	20.25	21.50
	8H	14.46	15.13	15.42	16.10	17.35	18.66	19.34	19.62	20.31	21.55
	12H	14.43	15.07	15.40	16.04	17.31	18.70	19.35	19.67	20.31	21.58
4H	2H	14.70	15.47	15.65	16.42	17.65	16.91	17.68	17.86	18.63	19.86
	3H	15.73	16.37	16.69	17.35	18.60	18.42	19.06	19.38	20.04	21.29
	4H	16.01	16.59	16.98	17.57	18.84	18.96	19.54	19.92	20.51	21.79
	6H	16.14	16.64	17.12	17.64	18.91	19.33	19.83	20.31	20.83	22.10
	8H	16.14	16.61	17.13	17.60	18.89	19.43	19.90	20.42	20.89	22.18
	12H	16.11	16.54	17.11	17.54	18.84	19.49	19.92	20.50	20.92	22.22
8H	4H	16.47	16.94	17.45	17.93	19.21	19.08	19.55	20.07	20.54	21.83
	6H	16.73	17.12	17.74	18.15	19.44	19.52	19.91	20.53	20.94	22.23
	8H	16.77	17.12	17.79	18.14	19.44	19.68	20.02	20.69	21.04	22.34
	12H	16.76	17.06	17.78	18.07	19.42	19.78	20.08	20.80	21.09	22.44
12H	4H	16.48	16.90	17.48	17.91	19.20	19.05	19.47	20.05	20.48	21.77
	6H	16.79	17.14	17.81	18.15	19.46	19.52	19.86	20.54	20.88	22.19
	8H	16.86	17.16	17.88	18.18	19.52	19.69	19.99	20.71	21.00	22.35