

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: P936069

Luminaire Tested: SQ4-FA-150U-100D-935-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936069
REPORT IS A COMBINATION OF REPORTS P933777 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-100D-935-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

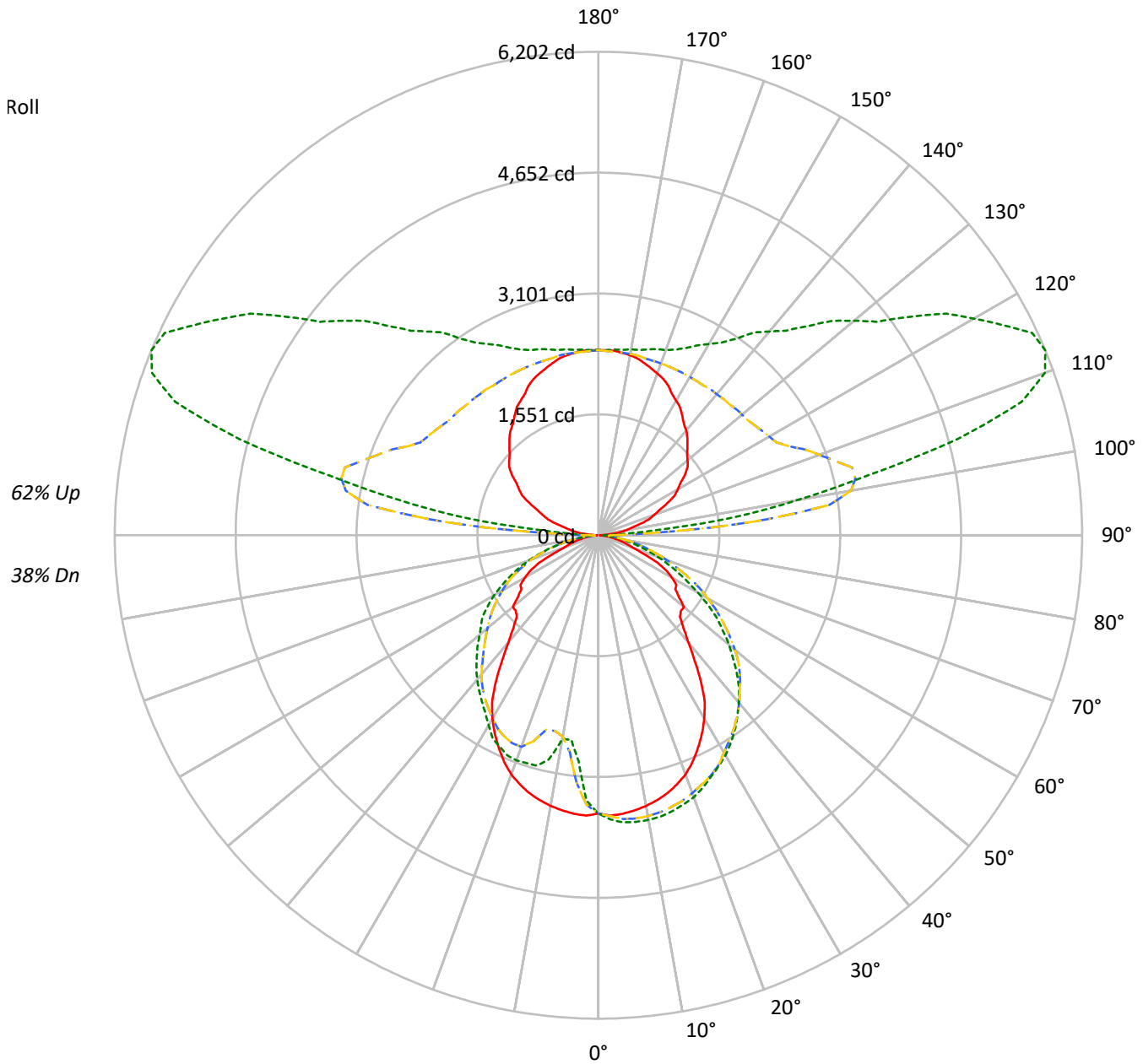
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24662.8 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 217.2
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	50	30	10
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°	11041	11041	11041	11041
5°	11128	11145	11128	8764
10°	11057	10979	11057	7849
15°	10941	10741	10941	8969
20°	10716	10459	10716	8988
25°	10252	10048	10252	8797
30°	9651	9707	9651	8379
35°	8608	9275	8608	7919
40°	7177	8767	7177	7572
45°	6417	8172	6417	7173
50°	6823	7463	6823	6772
55°	6425	6699	6425	6540
60°	6631	5689	6631	5990
65°	6022	4703	6022	5257
70°	4180	3748	4180	4407
75°	3680	2771	3680	3318
80°	2987	1831	2987	1994
85°	1750	970	1750	824

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 9828 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.2	1.3
10°-20°	914.9	3.7
20°-30°	1414.2	5.7
30°-40°	1688.3	6.8
40°-50°	1698.2	6.9
50°-60°	1477.6	6.0
60°-70°	1047.6	4.2
70°-80°	554.3	2.2
80°-90°	147.1	0.6
90°-100°	1157.9	4.7
100°-110°	3044.1	12.3
110°-120°	3156.4	12.8
120°-130°	2531.8	10.3
130°-140°	1986.6	8.1
140°-150°	1524.8	6.2
150°-160°	1098.1	4.5
160°-170°	671.9	2.7
170°-180°	227.0	0.9
0°-30°	2651.3	10.8
0°-40°	4339.6	17.6
0°-60°	7515.3	30.5
0°-90°	9264.3	37.6
90°-120°	7358.3	29.8
90°-150°	13401.5	54.3
90°-180°	15398.0	62.4
0°-180°	24662.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3570	3570	3570	3570	3570	
5°	3586	3698	3586	2908	3586	340
15°	3424	3664	3424	3060	3424	963
25°	3016	3418	3016	2992	3016	1385
35°	2293	3050	2293	2604	2293	1419
45°	1479	2512	1479	2205	1479	1185
55°	1206	1854	1206	1810	1206	1108
65°	838	1118	838	1250	838	800
75°	318	530	318	635	318	334
85°	54	135	54	115	54	73
90°	16	61	16	61	16	15
95°	153	700	153	700	153	170
105°	548	4767	548	4767	548	581
115°	974	6138	974	6138	974	962
125°	1355	4888	1355	4888	1355	1203
135°	1615	3793	1615	3793	1615	1249
145°	1873	3077	1873	3077	1873	1174
155°	2117	2650	2117	2650	2117	973
165°	2284	2468	2284	2468	2284	645
175°	2375	2391	2375	2391	2375	225
180°	2375	2375	2375	2375	2375	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5
2.5°	3600.0	3600.0	3620.2	3627.0	3627.0	3616.8	3606.7	3616.8	3647.2	3657.4	3654.0
5°	3586.5	3613.5	3650.6	3657.4	3664.1	3660.8	3654.0	3660.8	3694.5	3701.3	3704.7
7.5°	3559.4	3610.1	3657.4	3667.5	3677.7	3667.5	3664.1	3670.9	3704.7	3711.4	3711.4
10°	3525.7	3596.6	3650.6	3657.4	3667.5	3657.4	3657.4	3670.9	3704.7	3711.4	3714.8
12.5°	3478.4	3576.4	3627.0	3633.8	3647.2	3643.8	3640.5	3654.0	3687.8	3694.5	3694.5
15°	3424.4	3539.2	3586.5	3593.2	3616.8	3610.1	3610.1	3623.6	3660.8	3670.9	3667.5
17.5°	3350.1	3491.9	3545.9	3556.1	3572.9	3569.5	3572.9	3586.5	3620.2	3627.0	3630.4
20°	3265.6	3427.8	3491.9	3502.1	3518.9	3518.9	3518.9	3535.8	3569.5	3583.1	3583.1
22.5°	3150.8	3360.2	3427.8	3434.5	3454.8	3454.8	3461.5	3485.1	3515.5	3518.9	3518.9
25°	3015.7	3285.9	3343.3	3363.6	3383.8	3393.9	3404.1	3417.6	3427.8	3424.4	3427.8
27.5°	2873.9	3191.3	3265.6	3279.2	3306.2	3316.3	3329.8	3333.2	3336.5	3346.7	3339.9
30°	2715.2	3059.6	3171.1	3184.6	3228.5	3235.2	3221.8	3228.5	3245.4	3252.2	3258.9
32.5°	2536.1	2863.7	3073.2	3103.5	3144.1	3123.8	3120.4	3130.6	3157.6	3157.6	3164.3
35°	2293.1	2711.8	2982.0	3009.0	3039.3	3015.7	3029.2	3032.6	3049.5	3059.6	3056.3
37.5°	2026.2	2580.1	2887.4	2907.7	2931.3	2900.9	2921.2	2931.3	2944.9	2938.0	2938.0
40°	1789.9	2374.1	2776.0	2789.4	2809.7	2786.1	2806.3	2813.1	2819.9	2813.1	2809.7
42.5°	1614.3	2147.8	2657.7	2674.7	2661.1	2678.0	2684.7	2698.3	2688.1	2674.7	2674.7
45°	1479.2	2087.1	2529.4	2549.7	2529.4	2556.4	2566.6	2566.6	2536.1	2529.4	2526.1
47.5°	1435.3	1965.5	2401.1	2401.1	2391.0	2424.7	2441.7	2418.0	2387.6	2377.5	2377.5
50°	1431.9	1830.4	2225.5	2212.0	2259.2	2299.8	2282.9	2259.2	2235.6	2198.5	2198.5
52.5°	1300.2	1664.9	1999.2	2049.9	2124.2	2147.8	2120.8	2097.2	2056.6	2039.8	2026.2
55°	1205.6	1492.7	1793.2	1894.5	1972.2	2002.6	1951.9	1928.3	1867.5	1857.4	1850.6
57.5°	1185.4	1242.7	1604.1	1732.5	1827.0	1823.6	1793.2	1749.3	1698.6	1688.6	1685.2
60°	1087.4	898.3	1401.5	1553.5	1651.4	1641.3	1614.3	1573.7	1526.4	1519.7	1512.9
62.5°	986.1	651.8	1171.8	1344.1	1482.6	1479.2	1455.6	1394.7	1361.0	1344.1	1330.6
65°	837.5	547.1	834.1	1117.8	1317.0	1323.8	1273.1	1229.3	1192.1	1171.8	1168.4
67.5°	638.2	445.8	563.9	932.1	1158.4	1151.6	1087.4	1067.1	1019.8	1009.7	989.5
70°	472.8	297.2	391.7	756.5	1003.0	986.1	935.4	911.8	867.9	844.2	830.8
72.5°	391.7	239.8	287.0	587.6	844.2	824.0	780.1	753.1	715.9	695.7	682.2
75°	317.5	253.3	219.5	435.6	685.5	672.1	631.5	604.5	574.1	547.1	550.5
77.5°	233.0	236.4	175.6	320.9	543.7	523.5	499.8	466.0	452.5	425.5	425.5
80°	175.6	185.7	131.7	219.5	391.7	391.7	371.5	347.9	324.2	310.7	310.7
82.5°	118.2	118.2	97.9	138.4	266.8	256.6	243.2	236.4	222.9	216.2	216.2
85°	54.0	67.6	60.7	84.4	145.2	152.0	152.0	145.2	141.9	135.0	138.4
87.5°	16.9	30.4	37.1	47.3	74.3	77.7	81.0	81.0	81.0	84.4	84.4
90°	15.9	28.7	41.5	44.6	70.1	104.1	121.2	107.7	80.8	60.6	60.6
92.5°	63.7	172.1	280.6	307.7	432.6	599.0	682.3	597.9	429.3	302.9	290.9
95°	153.0	351.4	549.8	599.4	1064.4	1684.4	1994.4	1779.7	1350.3	1028.3	991.8
97.5°	264.6	439.6	614.6	658.4	1433.7	2467.5	2984.3	2848.7	2577.3	2373.8	2304.3
100°	350.7	509.4	668.1	707.8	1568.2	2715.2	3288.8	3298.7	3318.5	3333.4	3250.7
102.5°	424.0	572.1	720.2	757.3	1629.8	2793.2	3374.9	3547.8	3893.6	4152.9	4082.0
105°	548.4	673.8	799.3	830.6	1675.5	2802.1	3365.3	3752.9	4528.0	5109.4	5071.3
107.5°	676.0	792.9	909.8	939.0	1684.0	2677.3	3174.0	3714.6	4795.8	5606.8	5616.0
110°	762.0	867.6	973.2	999.6	1671.3	2566.8	3014.6	3619.0	4827.8	5734.3	5774.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	846.5	947.2	1047.8	1072.9	1671.8	2470.3	2869.5	3488.1	4725.2	5653.0	5713.9
115°	974.1	1066.9	1159.7	1182.9	1687.2	2359.6	2695.8	3291.7	4483.4	5377.2	5461.7
117.5°	1100.0	1184.3	1268.6	1289.7	1718.5	2290.3	2576.2	3114.0	4189.5	4996.2	5089.9
120°	1173.3	1252.7	1332.0	1351.9	1744.0	2266.9	2528.4	3019.7	4002.4	4739.5	4830.6
122.5°	1245.0	1325.1	1405.2	1425.2	1780.8	2254.7	2491.8	2934.2	3819.2	4482.9	4572.7
125°	1355.1	1428.0	1501.1	1519.3	1830.2	2244.7	2451.9	2827.8	3579.5	4143.3	4226.0
127.5°	1444.3	1518.0	1591.7	1610.1	1879.5	2238.8	2418.4	2741.1	3386.6	3870.7	3940.5
130°	1492.2	1571.5	1650.8	1670.7	1915.6	2242.3	2405.6	2692.9	3267.6	3698.5	3763.0
132.5°	1541.6	1620.9	1700.3	1720.1	1944.9	2244.6	2394.5	2651.7	3166.1	3551.9	3609.7
135°	1614.9	1687.1	1759.5	1777.5	1976.8	2242.5	2375.4	2590.8	3021.5	3344.6	3394.4
137.5°	1689.9	1761.4	1833.0	1850.9	2024.6	2256.3	2372.1	2554.2	2918.4	3191.6	3232.3
140°	1752.1	1817.9	1883.9	1900.3	2053.8	2258.6	2361.0	2518.3	2832.9	3068.8	3106.9
142.5°	1799.8	1860.8	1921.7	1936.9	2078.3	2266.7	2361.0	2499.2	2775.5	2982.8	3015.6
145°	1873.2	1926.4	1979.5	1992.7	2110.1	2266.7	2345.0	2458.0	2684.1	2853.6	2878.4
147.5°	1946.5	1998.2	2049.9	2062.9	2156.9	2282.3	2345.0	2434.0	2611.8	2745.2	2765.8
150°	1994.4	2041.1	2087.9	2099.6	2181.4	2290.5	2345.0	2420.2	2570.4	2683.0	2699.6
152.5°	2043.8	2079.2	2114.6	2123.4	2197.3	2295.8	2345.0	2409.2	2537.4	2633.6	2646.2
155°	2117.1	2143.4	2169.5	2176.1	2232.4	2307.5	2345.0	2396.1	2498.1	2574.7	2583.0
157.5°	2171.3	2196.8	2222.3	2228.7	2267.4	2319.1	2345.0	2384.7	2464.1	2523.6	2529.5
160°	2208.0	2227.8	2247.7	2252.6	2283.4	2324.5	2345.0	2379.0	2447.0	2498.1	2501.5
162.5°	2244.6	2259.5	2274.3	2278.1	2300.4	2330.1	2345.0	2373.8	2431.2	2474.2	2477.4
165°	2284.5	2297.9	2311.4	2314.8	2324.9	2338.3	2345.0	2365.6	2406.6	2437.5	2440.9
167.5°	2321.2	2327.6	2333.9	2335.5	2344.0	2355.4	2361.0	2374.4	2401.4	2421.6	2423.0
170°	2345.0	2351.4	2357.8	2359.4	2360.0	2360.6	2361.0	2374.4	2401.4	2421.6	2421.6
172.5°	2357.8	2359.2	2360.6	2361.0	2361.0	2361.0	2361.0	2371.6	2392.9	2408.9	2407.6
175°	2375.4	2375.4	2375.4	2375.4	2370.6	2364.2	2361.0	2367.7	2381.2	2391.3	2391.3
177.5°	2375.4	2375.4	2375.4	2375.4	2371.6	2366.7	2364.2	2369.5	2380.1	2388.1	2386.6
180°	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5
2.5°	3660.8	3650.6	3660.8	3654.0	3657.4	3647.2	3616.8	3606.7	3616.8	3627.0	3627.0
5°	3704.7	3697.9	3704.7	3704.7	3701.3	3694.5	3660.8	3654.0	3660.8	3664.1	3657.4
7.5°	3718.1	3708.1	3718.1	3711.4	3711.4	3704.7	3670.9	3664.1	3667.5	3677.7	3667.5
10°	3718.1	3708.1	3718.1	3714.8	3711.4	3704.7	3670.9	3657.4	3657.4	3667.5	3657.4
12.5°	3701.3	3694.5	3701.3	3694.5	3694.5	3687.8	3654.0	3640.5	3643.8	3647.2	3633.8
15°	3674.2	3664.1	3674.2	3667.5	3670.9	3660.8	3623.6	3610.1	3610.1	3616.8	3593.2
17.5°	3633.8	3620.2	3633.8	3630.4	3627.0	3620.2	3586.5	3572.9	3569.5	3572.9	3556.1
20°	3586.5	3576.4	3586.5	3583.1	3583.1	3569.5	3535.8	3518.9	3518.9	3518.9	3502.1
22.5°	3512.2	3502.1	3512.2	3518.9	3518.9	3515.5	3485.1	3461.5	3454.8	3454.8	3434.5
25°	3427.8	3417.6	3427.8	3427.8	3424.4	3427.8	3417.6	3404.1	3393.9	3383.8	3363.6
27.5°	3346.7	3339.9	3346.7	3339.9	3346.7	3336.5	3333.2	3329.8	3316.3	3306.2	3279.2
30°	3265.6	3258.9	3265.6	3258.9	3252.2	3245.4	3228.5	3221.8	3235.2	3228.5	3184.6
32.5°	3164.3	3157.6	3164.3	3164.3	3157.6	3157.6	3130.6	3120.4	3123.8	3144.1	3103.5
35°	3059.6	3049.5	3059.6	3056.3	3059.6	3049.5	3032.6	3029.2	3015.7	3039.3	3009.0
37.5°	2938.0	2927.9	2938.0	2938.0	2938.0	2944.9	2931.3	2921.2	2900.9	2931.3	2907.7
40°	2813.1	2799.6	2813.1	2809.7	2813.1	2819.9	2813.1	2806.3	2786.1	2809.7	2789.4
42.5°	2671.3	2667.9	2671.3	2674.7	2674.7	2688.1	2698.3	2684.7	2678.0	2661.1	2674.7
45°	2519.3	2512.5	2519.3	2526.1	2529.4	2536.1	2566.6	2566.6	2556.4	2529.4	2549.7
47.5°	2357.2	2340.4	2357.2	2377.5	2377.5	2387.6	2418.0	2441.7	2424.7	2391.0	2401.1
50°	2185.0	2188.4	2185.0	2198.5	2198.5	2235.6	2259.2	2282.9	2299.8	2259.2	2212.0
52.5°	2016.1	2012.8	2016.1	2026.2	2039.8	2056.6	2097.2	2120.8	2147.8	2124.2	2049.9
55°	1847.2	1854.0	1847.2	1850.6	1857.4	1867.5	1928.3	1951.9	2002.6	1972.2	1894.5
57.5°	1678.4	1668.3	1678.4	1685.2	1688.6	1698.6	1749.3	1793.2	1823.6	1827.0	1732.5
60°	1482.6	1469.0	1482.6	1512.9	1519.7	1526.4	1573.7	1614.3	1641.3	1651.4	1553.5
62.5°	1310.3	1286.7	1310.3	1330.6	1344.1	1361.0	1394.7	1455.6	1479.2	1482.6	1344.1
65°	1128.0	1117.8	1128.0	1168.4	1171.8	1192.1	1229.3	1273.1	1323.8	1317.0	1117.8
67.5°	962.5	962.5	962.5	989.5	1009.7	1019.8	1067.1	1087.4	1151.6	1158.4	932.1
70°	810.5	807.1	810.5	830.8	844.2	867.9	911.8	935.4	986.1	1003.0	756.5
72.5°	665.3	661.9	665.3	682.2	695.7	715.9	753.1	780.1	824.0	844.2	587.6
75°	536.9	530.2	536.9	550.5	547.1	574.1	604.5	631.5	672.1	685.5	435.6
77.5°	412.0	412.0	412.0	425.5	425.5	452.5	466.0	499.8	523.5	543.7	320.9
80°	307.3	303.9	307.3	310.7	310.7	324.2	347.9	371.5	391.7	391.7	219.5
82.5°	216.2	209.3	216.2	216.2	216.2	222.9	236.4	243.2	256.6	266.8	138.4
85°	135.0	135.0	135.0	138.4	135.0	141.9	145.2	152.0	152.0	145.2	84.4
87.5°	87.8	84.4	87.8	84.4	84.4	81.0	81.0	81.0	77.7	74.3	47.3
90°	60.6	60.6	60.6	60.6	60.6	80.8	107.7	121.2	104.1	70.1	44.6
92.5°	242.6	194.5	242.6	290.9	302.9	429.3	597.9	682.3	599.0	432.6	307.7
95°	845.8	699.8	845.8	991.8	1028.3	1350.3	1779.7	1994.4	1684.4	1064.4	599.4
97.5°	2026.6	1748.8	2026.6	2304.3	2373.8	2577.3	2848.7	2984.3	2467.5	1433.7	658.4
100°	2919.9	2589.0	2919.9	3250.7	3333.4	3318.5	3298.7	3288.8	2715.2	1568.2	707.8
102.5°	3798.6	3515.2	3798.6	4082.0	4152.9	3893.6	3547.8	3374.9	2793.2	1629.8	757.3
105°	4919.0	4766.7	4919.0	5071.3	5109.4	4528.0	3752.9	3365.3	2802.1	1675.5	830.6
107.5°	5652.8	5689.7	5652.8	5616.0	5606.8	4795.8	3714.6	3174.0	2677.3	1684.0	939.0
110°	5932.7	6091.5	5932.7	5774.0	5734.3	4827.8	3619.0	3014.6	2566.8	1671.3	999.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5957.7	6201.5	5957.7	5713.9	5653.0	4725.2	3488.1	2869.5	2470.3	1671.8	1072.9
115°	5799.6	6137.6	5799.6	5461.7	5377.2	4483.4	3291.7	2695.8	2359.6	1687.2	1182.9
117.5°	5464.7	5839.5	5464.7	5089.9	4996.2	4189.5	3114.0	2576.2	2290.3	1718.5	1289.7
120°	5194.7	5559.0	5194.7	4830.6	4739.5	4002.4	3019.7	2528.4	2266.9	1744.0	1351.9
122.5°	4932.0	5291.2	4932.0	4572.7	4482.9	3819.2	2934.2	2491.8	2254.7	1780.8	1425.2
125°	4556.9	4887.8	4556.9	4226.0	4143.3	3579.5	2827.8	2451.9	2244.7	1830.2	1519.3
127.5°	4219.7	4498.8	4219.7	3940.5	3870.7	3386.6	2741.1	2418.4	2238.8	1879.5	1610.1
130°	4020.9	4278.8	4020.9	3763.0	3698.5	3267.6	2692.9	2405.6	2242.3	1915.6	1670.7
132.5°	3840.6	4071.5	3840.6	3609.7	3551.9	3166.1	2651.7	2394.5	2244.6	1944.9	1720.1
135°	3593.5	3792.6	3593.5	3394.4	3344.6	3021.5	2590.8	2375.4	2242.5	1976.8	1777.5
137.5°	3395.3	3558.2	3395.3	3232.3	3191.6	2918.4	2554.2	2372.1	2256.3	2024.6	1850.9
140°	3259.2	3411.6	3259.2	3106.9	3068.8	2832.9	2518.3	2361.0	2258.6	2053.8	1900.3
142.5°	3146.6	3277.6	3146.6	3015.6	2982.8	2775.5	2499.2	2361.0	2266.7	2078.3	1936.9
145°	2977.7	3076.8	2977.7	2878.4	2853.6	2684.1	2458.0	2345.0	2266.7	2110.1	1992.7
147.5°	2848.0	2930.1	2848.0	2765.8	2745.2	2611.8	2434.0	2345.0	2282.3	2156.9	2062.9
150°	2766.3	2832.9	2766.3	2699.6	2683.0	2570.4	2420.2	2345.0	2290.5	2181.4	2099.6
152.5°	2696.5	2746.8	2696.5	2646.2	2633.6	2537.4	2409.2	2345.0	2295.8	2197.3	2123.4
155°	2616.2	2649.5	2616.2	2583.0	2574.7	2498.1	2396.1	2345.0	2307.5	2232.4	2176.1
157.5°	2552.8	2576.2	2552.8	2529.5	2523.6	2464.1	2384.7	2345.0	2319.1	2267.4	2228.7
160°	2514.9	2528.4	2514.9	2501.5	2498.1	2447.0	2379.0	2345.0	2324.5	2283.4	2252.6
162.5°	2490.1	2502.9	2490.1	2477.4	2474.2	2431.2	2373.8	2345.0	2330.1	2300.4	2278.1
165°	2454.4	2467.8	2454.4	2440.9	2437.5	2406.6	2365.6	2345.0	2338.3	2324.9	2314.8
167.5°	2428.6	2434.3	2428.6	2423.0	2421.6	2401.4	2374.4	2361.0	2355.4	2344.0	2335.5
170°	2421.6	2421.6	2421.6	2421.6	2421.6	2401.4	2374.4	2361.0	2360.6	2360.0	2359.4
172.5°	2402.6	2397.7	2402.6	2407.6	2408.9	2392.9	2371.6	2361.0	2361.0	2361.0	2361.0
175°	2391.3	2391.3	2391.3	2391.3	2391.3	2381.2	2367.7	2361.0	2364.2	2370.6	2375.4
177.5°	2381.0	2375.4	2381.0	2386.6	2388.1	2380.1	2369.5	2364.2	2366.7	2371.6	2375.4
180°	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5
2.5°	3620.2	3600.0	3600.0	3566.2	3552.7	3542.5	3525.7	3475.1	3461.5	3448.0	3468.2
5°	3650.6	3613.5	3586.5	3525.7	3475.1	3454.8	3390.6	3269.0	3187.9	3127.2	3093.4
7.5°	3657.4	3610.1	3559.4	3464.9	3343.3	3289.3	3093.4	2870.6	2809.7	2755.7	2721.9
10°	3650.6	3596.6	3525.7	3383.8	3096.8	3002.2	2806.3	2661.1	2624.0	2613.9	2624.0
12.5°	3627.0	3576.4	3478.4	3242.0	2840.1	2776.0	2661.1	2576.7	2570.0	2586.8	2678.0
15°	3586.5	3539.2	3424.4	3052.9	2698.3	2651.0	2570.0	2539.6	2576.7	2694.9	2968.5
17.5°	3545.9	3491.9	3350.1	2867.2	2590.3	2556.4	2499.0	2559.8	2769.2	2927.9	3019.1
20°	3491.9	3427.8	3265.6	2732.0	2512.5	2482.1	2455.1	2728.7	2887.4	2944.9	2995.5
22.5°	3427.8	3360.2	3150.8	2637.5	2431.5	2407.8	2424.7	2823.3	2887.4	2927.9	2971.9
25°	3343.3	3285.9	3015.7	2563.2	2367.4	2340.4	2404.5	2813.1	2850.3	2860.4	2948.2
27.5°	3265.6	3191.3	2873.9	2495.7	2289.7	2279.5	2421.4	2769.2	2796.3	2806.3	2900.9
30°	3171.1	3059.6	2715.2	2424.7	2208.6	2205.2	2424.7	2715.2	2708.4	2735.4	2830.0
32.5°	3073.2	2863.7	2536.1	2337.0	2130.9	2127.5	2401.1	2634.1	2627.4	2664.5	2735.4
35°	2982.0	2711.8	2293.1	2235.6	2033.0	2036.4	2343.7	2539.6	2543.0	2576.7	2620.6
37.5°	2887.4	2580.1	2026.2	2124.2	1938.5	1938.5	2266.0	2451.8	2445.0	2455.1	2516.0
40°	2776.0	2374.1	1789.9	1978.9	1850.6	1840.5	2171.5	2357.2	2333.5	2330.2	2414.7
42.5°	2657.7	2147.8	1614.3	1786.5	1749.3	1735.8	2056.6	2242.4	2198.5	2208.6	2316.7
45°	2529.4	2087.1	1479.2	1509.6	1644.6	1634.5	1931.7	2110.7	2080.2	2107.3	2218.8
47.5°	2401.1	1965.5	1435.3	1252.9	1533.2	1529.9	1793.2	1982.3	1965.5	1992.5	2110.7
50°	2225.5	1830.4	1431.9	1073.9	1408.3	1421.7	1627.7	1857.4	1857.4	1881.0	2005.9
52.5°	1999.2	1664.9	1300.2	972.6	1263.0	1303.6	1482.6	1749.3	1756.1	1779.7	1891.2
55°	1793.2	1492.7	1205.6	894.9	1090.8	1178.6	1340.7	1637.9	1651.4	1675.0	1776.3
57.5°	1604.1	1242.7	1185.4	803.8	932.1	1016.5	1215.7	1529.9	1536.6	1556.9	1654.8
60°	1401.5	898.3	1087.4	705.8	793.6	857.8	1101.0	1401.5	1425.1	1438.6	1523.0
62.5°	1171.8	651.8	986.1	638.2	726.1	739.6	1006.4	1279.9	1310.3	1320.4	1371.1
65°	834.1	547.1	837.5	580.9	655.2	658.5	905.1	1155.0	1182.0	1198.8	1236.0
67.5°	563.9	445.8	638.2	526.8	601.1	604.5	807.1	1009.7	1046.9	1060.4	1084.1
70°	391.7	297.2	472.8	469.5	540.3	547.1	702.5	878.1	911.8	921.9	935.4
72.5°	287.0	239.8	391.7	422.2	476.2	482.9	594.4	729.5	763.2	773.4	780.1
75°	219.5	253.3	317.5	368.1	405.2	408.6	486.3	594.4	618.0	624.8	628.1
77.5°	175.6	236.4	233.0	297.2	330.9	324.2	381.6	459.3	479.5	479.5	479.5
80°	131.7	185.7	175.6	212.7	243.2	236.4	273.6	327.6	334.3	341.1	337.7
82.5°	97.9	118.2	118.2	135.0	162.1	155.3	182.3	212.7	212.7	212.7	219.5
85°	60.7	67.6	54.0	70.9	91.2	87.8	101.3	114.8	118.2	118.2	111.4
87.5°	37.1	30.4	16.9	27.0	40.6	40.6	47.3	50.7	47.3	47.3	47.3
90°	41.5	28.7	15.9	28.7	41.5	44.6	70.1	104.1	121.2	107.7	80.8
92.5°	280.6	172.1	63.7	172.1	280.6	307.7	432.6	599.0	682.3	597.9	429.3
95°	549.8	351.4	153.0	351.4	549.8	599.4	1064.4	1684.4	1994.4	1779.7	1350.3
97.5°	614.6	439.6	264.6	439.6	614.6	658.4	1433.7	2467.5	2984.3	2848.7	2577.3
100°	668.1	509.4	350.7	509.4	668.1	707.8	1568.2	2715.2	3288.8	3298.7	3318.5
102.5°	720.2	572.1	424.0	572.1	720.2	757.3	1629.8	2793.2	3374.9	3547.8	3893.6
105°	799.3	673.8	548.4	673.8	799.3	830.6	1675.5	2802.1	3365.3	3752.9	4528.0
107.5°	909.8	792.9	676.0	792.9	909.8	939.0	1684.0	2677.3	3174.0	3714.6	4795.8
110°	973.2	867.6	762.0	867.6	973.2	999.6	1671.3	2566.8	3014.6	3619.0	4827.8



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1047.8	947.2	846.5	947.2	1047.8	1072.9	1671.8	2470.3	2869.5	3488.1	4725.2
115°	1159.7	1066.9	974.1	1066.9	1159.7	1182.9	1687.2	2359.6	2695.8	3291.7	4483.4
117.5°	1268.6	1184.3	1100.0	1184.3	1268.6	1289.7	1718.5	2290.3	2576.2	3114.0	4189.5
120°	1332.0	1252.7	1173.3	1252.7	1332.0	1351.9	1744.0	2266.9	2528.4	3019.7	4002.4
122.5°	1405.2	1325.1	1245.0	1325.1	1405.2	1425.2	1780.8	2254.7	2491.8	2934.2	3819.2
125°	1501.1	1428.0	1355.1	1428.0	1501.1	1519.3	1830.2	2244.7	2451.9	2827.8	3579.5
127.5°	1591.7	1518.0	1444.3	1518.0	1591.7	1610.1	1879.5	2238.8	2418.4	2741.1	3386.6
130°	1650.8	1571.5	1492.2	1571.5	1650.8	1670.7	1915.6	2242.3	2405.6	2692.9	3267.6
132.5°	1700.3	1620.9	1541.6	1620.9	1700.3	1720.1	1944.9	2244.6	2394.5	2651.7	3166.1
135°	1759.5	1687.1	1614.9	1687.1	1759.5	1777.5	1976.8	2242.5	2375.4	2590.8	3021.5
137.5°	1833.0	1761.4	1689.9	1761.4	1833.0	1850.9	2024.6	2256.3	2372.1	2554.2	2918.4
140°	1883.9	1817.9	1752.1	1817.9	1883.9	1900.3	2053.8	2258.6	2361.0	2518.3	2832.9
142.5°	1921.7	1860.8	1799.8	1860.8	1921.7	1936.9	2078.3	2266.7	2361.0	2499.2	2775.5
145°	1979.5	1926.4	1873.2	1926.4	1979.5	1992.7	2110.1	2266.7	2345.0	2458.0	2684.1
147.5°	2049.9	1998.2	1946.5	1998.2	2049.9	2062.9	2156.9	2282.3	2345.0	2434.0	2611.8
150°	2087.9	2041.1	1994.4	2041.1	2087.9	2099.6	2181.4	2290.5	2345.0	2420.2	2570.4
152.5°	2114.6	2079.2	2043.8	2079.2	2114.6	2123.4	2197.3	2295.8	2345.0	2409.2	2537.4
155°	2169.5	2143.4	2117.1	2143.4	2169.5	2176.1	2232.4	2307.5	2345.0	2396.1	2498.1
157.5°	2222.3	2196.8	2171.3	2196.8	2222.3	2228.7	2267.4	2319.1	2345.0	2384.7	2464.1
160°	2247.7	2227.8	2208.0	2227.8	2247.7	2252.6	2283.4	2324.5	2345.0	2379.0	2447.0
162.5°	2274.3	2259.5	2244.6	2259.5	2274.3	2278.1	2300.4	2330.1	2345.0	2373.8	2431.2
165°	2311.4	2297.9	2284.5	2297.9	2311.4	2314.8	2324.9	2338.3	2345.0	2365.6	2406.6
167.5°	2333.9	2327.6	2321.2	2327.6	2333.9	2335.5	2344.0	2355.4	2361.0	2374.4	2401.4
170°	2357.8	2351.4	2345.0	2351.4	2357.8	2359.4	2360.0	2360.6	2361.0	2374.4	2401.4
172.5°	2360.6	2359.2	2357.8	2359.2	2360.6	2361.0	2361.0	2361.0	2361.0	2371.6	2392.9
175°	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2370.6	2364.2	2361.0	2367.7	2381.2
177.5°	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2371.6	2366.7	2364.2	2369.5	2380.1
180°	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5
2.5°	3444.6	3434.5	3448.0	3410.8	3448.0	3434.5	3444.6	3468.2	3448.0	3461.5	3475.1
5°	3022.5	3005.6	2951.6	2907.7	2951.6	3005.6	3022.5	3093.4	3127.2	3187.9	3269.0
7.5°	2701.7	2688.1	2674.7	2647.6	2674.7	2688.1	2701.7	2721.9	2755.7	2809.7	2870.6
10°	2630.7	2634.1	2654.4	2651.0	2654.4	2634.1	2630.7	2624.0	2613.9	2624.0	2661.1
12.5°	2813.1	2843.5	2954.9	2948.2	2954.9	2843.5	2813.1	2678.0	2586.8	2570.0	2576.7
15°	3022.5	3032.6	3056.3	3059.6	3056.3	3032.6	3022.5	2968.5	2694.9	2576.7	2539.6
17.5°	3042.7	3046.2	3063.0	3063.0	3063.0	3046.2	3042.7	3019.1	2927.9	2769.2	2559.8
20°	3025.9	3032.6	3066.3	3073.2	3066.3	3032.6	3025.9	2995.5	2944.9	2887.4	2728.7
22.5°	3019.1	3032.6	3059.6	3056.3	3059.6	3032.6	3019.1	2971.9	2927.9	2887.4	2823.3
25°	2985.3	2985.3	2988.7	2992.1	2988.7	2985.3	2985.3	2948.2	2860.4	2850.3	2813.1
27.5°	2914.4	2921.2	2941.4	2938.0	2941.4	2921.2	2914.4	2900.9	2806.3	2796.3	2769.2
30°	2850.3	2843.5	2826.6	2813.1	2826.6	2843.5	2850.3	2830.0	2735.4	2708.4	2715.2
32.5°	2742.2	2725.3	2708.4	2698.3	2708.4	2725.3	2742.2	2735.4	2664.5	2627.4	2634.1
35°	2613.9	2617.3	2613.9	2603.7	2613.9	2617.3	2613.9	2620.6	2576.7	2543.0	2539.6
37.5°	2522.7	2529.4	2526.1	2512.5	2526.1	2529.4	2522.7	2516.0	2455.1	2445.0	2451.8
40°	2428.1	2431.5	2428.1	2418.0	2428.1	2431.5	2428.1	2414.7	2330.2	2333.5	2357.2
42.5°	2337.0	2333.5	2323.4	2316.7	2323.4	2333.5	2337.0	2316.7	2208.6	2198.5	2242.4
45°	2232.2	2235.6	2215.4	2205.2	2215.4	2235.6	2232.2	2218.8	2107.3	2080.2	2110.7
47.5°	2127.5	2127.5	2110.7	2100.5	2110.7	2127.5	2127.5	2110.7	1992.5	1965.5	1982.3
50°	2016.1	2012.8	1989.1	1985.8	1989.1	2012.8	2016.1	2005.9	1881.0	1857.4	1857.4
52.5°	1887.8	1887.8	1891.2	1897.9	1891.2	1887.8	1887.8	1891.2	1779.7	1756.1	1749.3
55°	1776.3	1779.7	1803.3	1810.1	1803.3	1779.7	1776.3	1776.3	1675.0	1651.4	1637.9
57.5°	1661.5	1661.5	1678.4	1678.4	1678.4	1661.5	1661.5	1654.8	1556.9	1536.6	1529.9
60°	1529.9	1536.6	1550.0	1546.7	1550.0	1536.6	1529.9	1523.0	1438.6	1425.1	1401.5
62.5°	1391.3	1398.1	1401.5	1394.7	1401.5	1398.1	1391.3	1371.1	1320.4	1310.3	1279.9
65°	1246.1	1252.9	1256.3	1249.5	1256.3	1252.9	1246.1	1236.0	1198.8	1182.0	1155.0
67.5°	1097.5	1094.1	1090.8	1104.3	1090.8	1094.1	1097.5	1084.1	1060.4	1046.9	1009.7
70°	945.5	945.5	942.2	949.0	942.2	945.5	945.5	935.4	921.9	911.8	878.1
72.5°	783.5	780.1	793.6	783.5	793.6	780.1	783.5	780.1	773.4	763.2	729.5
75°	624.8	631.5	624.8	634.9	624.8	631.5	624.8	628.1	624.8	618.0	594.4
77.5°	476.2	482.9	476.2	476.2	476.2	482.9	476.2	479.5	479.5	479.5	459.3
80°	337.7	334.3	334.3	330.9	334.3	334.3	337.7	337.7	341.1	334.3	327.6
82.5°	216.2	212.7	212.7	219.5	212.7	212.7	216.2	219.5	212.7	212.7	212.7
85°	118.2	121.6	114.8	114.8	114.8	121.6	118.2	111.4	118.2	118.2	114.8
87.5°	43.9	40.6	40.6	40.6	40.6	40.6	43.9	47.3	47.3	47.3	50.7
90°	60.6	60.6	60.6	60.6	60.6	60.6	60.6	80.8	107.7	121.2	104.1
92.5°	302.9	290.9	242.6	194.5	242.6	290.9	302.9	429.3	597.9	682.3	599.0
95°	1028.3	991.8	845.8	699.8	845.8	991.8	1028.3	1350.3	1779.7	1994.4	1684.4
97.5°	2373.8	2304.3	2026.6	1748.8	2026.6	2304.3	2373.8	2577.3	2848.7	2984.3	2467.5
100°	3333.4	3250.7	2919.9	2589.0	2919.9	3250.7	3333.4	3318.5	3298.7	3288.8	2715.2
102.5°	4152.9	4082.0	3798.6	3515.2	3798.6	4082.0	4152.9	3893.6	3547.8	3374.9	2793.2
105°	5109.4	5071.3	4919.0	4766.7	4919.0	5071.3	5109.4	4528.0	3752.9	3365.3	2802.1
107.5°	5606.8	5616.0	5652.8	5689.7	5652.8	5616.0	5606.8	4795.8	3714.6	3174.0	2677.3
110°	5734.3	5774.0	5932.7	6091.5	5932.7	5774.0	5734.3	4827.8	3619.0	3014.6	2566.8



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5653.0	5713.9	5957.7	6201.5	5957.7	5713.9	5653.0	4725.2	3488.1	2869.5	2470.3
115°	5377.2	5461.7	5799.6	6137.6	5799.6	5461.7	5377.2	4483.4	3291.7	2695.8	2359.6
117.5°	4996.2	5089.9	5464.7	5839.5	5464.7	5089.9	4996.2	4189.5	3114.0	2576.2	2290.3
120°	4739.5	4830.6	5194.7	5559.0	5194.7	4830.6	4739.5	4002.4	3019.7	2528.4	2266.9
122.5°	4482.9	4572.7	4932.0	5291.2	4932.0	4572.7	4482.9	3819.2	2934.2	2491.8	2254.7
125°	4143.3	4226.0	4556.9	4887.8	4556.9	4226.0	4143.3	3579.5	2827.8	2451.9	2244.7
127.5°	3870.7	3940.5	4219.7	4498.8	4219.7	3940.5	3870.7	3386.6	2741.1	2418.4	2238.8
130°	3698.5	3763.0	4020.9	4278.8	4020.9	3763.0	3698.5	3267.6	2692.9	2405.6	2242.3
132.5°	3551.9	3609.7	3840.6	4071.5	3840.6	3609.7	3551.9	3166.1	2651.7	2394.5	2244.6
135°	3344.6	3394.4	3593.5	3792.6	3593.5	3394.4	3344.6	3021.5	2590.8	2375.4	2242.5
137.5°	3191.6	3232.3	3395.3	3558.2	3395.3	3232.3	3191.6	2918.4	2554.2	2372.1	2256.3
140°	3068.8	3106.9	3259.2	3411.6	3259.2	3106.9	3068.8	2832.9	2518.3	2361.0	2258.6
142.5°	2982.8	3015.6	3146.6	3277.6	3146.6	3015.6	2982.8	2775.5	2499.2	2361.0	2266.7
145°	2853.6	2878.4	2977.7	3076.8	2977.7	2878.4	2853.6	2684.1	2458.0	2345.0	2266.7
147.5°	2745.2	2765.8	2848.0	2930.1	2848.0	2765.8	2745.2	2611.8	2434.0	2345.0	2282.3
150°	2683.0	2699.6	2766.3	2832.9	2766.3	2699.6	2683.0	2570.4	2420.2	2345.0	2290.5
152.5°	2633.6	2646.2	2696.5	2746.8	2696.5	2646.2	2633.6	2537.4	2409.2	2345.0	2295.8
155°	2574.7	2583.0	2616.2	2649.5	2616.2	2583.0	2574.7	2498.1	2396.1	2345.0	2307.5
157.5°	2523.6	2529.5	2552.8	2576.2	2552.8	2529.5	2523.6	2464.1	2384.7	2345.0	2319.1
160°	2498.1	2501.5	2514.9	2528.4	2514.9	2501.5	2498.1	2447.0	2379.0	2345.0	2324.5
162.5°	2474.2	2477.4	2490.1	2502.9	2490.1	2477.4	2474.2	2431.2	2373.8	2345.0	2330.1
165°	2437.5	2440.9	2454.4	2467.8	2454.4	2440.9	2437.5	2406.6	2365.6	2345.0	2338.3
167.5°	2421.6	2423.0	2428.6	2434.3	2428.6	2423.0	2421.6	2401.4	2374.4	2361.0	2355.4
170°	2421.6	2421.6	2421.6	2421.6	2421.6	2421.6	2421.6	2401.4	2374.4	2361.0	2360.6
172.5°	2408.9	2407.6	2402.6	2397.7	2402.6	2407.6	2408.9	2392.9	2371.6	2361.0	2361.0
175°	2391.3	2391.3	2391.3	2391.3	2391.3	2391.3	2391.3	2381.2	2367.7	2361.0	2364.2
177.5°	2388.1	2386.6	2381.0	2375.4	2381.0	2386.6	2388.1	2380.1	2369.5	2364.2	2366.7
180°	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4	2375.4



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3569.5	3569.5	3569.5	3569.5	3569.5
2.5°	3525.7	3542.5	3552.7	3566.2	3600.0
5°	3390.6	3454.8	3475.1	3525.7	3586.5
7.5°	3093.4	3289.3	3343.3	3464.9	3559.4
10°	2806.3	3002.2	3096.8	3383.8	3525.7
12.5°	2661.1	2776.0	2840.1	3242.0	3478.4
15°	2570.0	2651.0	2698.3	3052.9	3424.4
17.5°	2499.0	2556.4	2590.3	2867.2	3350.1
20°	2455.1	2482.1	2512.5	2732.0	3265.6
22.5°	2424.7	2407.8	2431.5	2637.5	3150.8
25°	2404.5	2340.4	2367.4	2563.2	3015.7
27.5°	2421.4	2279.5	2289.7	2495.7	2873.9
30°	2424.7	2205.2	2208.6	2424.7	2715.2
32.5°	2401.1	2127.5	2130.9	2337.0	2536.1
35°	2343.7	2036.4	2033.0	2235.6	2293.1
37.5°	2266.0	1938.5	1938.5	2124.2	2026.2
40°	2171.5	1840.5	1850.6	1978.9	1789.9
42.5°	2056.6	1735.8	1749.3	1786.5	1614.3
45°	1931.7	1634.5	1644.6	1509.6	1479.2
47.5°	1793.2	1529.9	1533.2	1252.9	1435.3
50°	1627.7	1421.7	1408.3	1073.9	1431.9
52.5°	1482.6	1303.6	1263.0	972.6	1300.2
55°	1340.7	1178.6	1090.8	894.9	1205.6
57.5°	1215.7	1016.5	932.1	803.8	1185.4
60°	1101.0	857.8	793.6	705.8	1087.4
62.5°	1006.4	739.6	726.1	638.2	986.1
65°	905.1	658.5	655.2	580.9	837.5
67.5°	807.1	604.5	601.1	526.8	638.2
70°	702.5	547.1	540.3	469.5	472.8
72.5°	594.4	482.9	476.2	422.2	391.7
75°	486.3	408.6	405.2	368.1	317.5
77.5°	381.6	324.2	330.9	297.2	233.0
80°	273.6	236.4	243.2	212.7	175.6
82.5°	182.3	155.3	162.1	135.0	118.2
85°	101.3	87.8	91.2	70.9	54.0
87.5°	47.3	40.6	40.6	27.0	16.9
90°	70.1	44.6	41.5	28.7	15.9
92.5°	432.6	307.7	280.6	172.1	63.7
95°	1064.4	599.4	549.8	351.4	153.0
97.5°	1433.7	658.4	614.6	439.6	264.6
100°	1568.2	707.8	668.1	509.4	350.7
102.5°	1629.8	757.3	720.2	572.1	424.0
105°	1675.5	830.6	799.3	673.8	548.4
107.5°	1684.0	939.0	909.8	792.9	676.0
110°	1671.3	999.6	973.2	867.6	762.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1671.8	1072.9	1047.8	947.2	846.5
115°	1687.2	1182.9	1159.7	1066.9	974.1
117.5°	1718.5	1289.7	1268.6	1184.3	1100.0
120°	1744.0	1351.9	1332.0	1252.7	1173.3
122.5°	1780.8	1425.2	1405.2	1325.1	1245.0
125°	1830.2	1519.3	1501.1	1428.0	1355.1
127.5°	1879.5	1610.1	1591.7	1518.0	1444.3
130°	1915.6	1670.7	1650.8	1571.5	1492.2
132.5°	1944.9	1720.1	1700.3	1620.9	1541.6
135°	1976.8	1777.5	1759.5	1687.1	1614.9
137.5°	2024.6	1850.9	1833.0	1761.4	1689.9
140°	2053.8	1900.3	1883.9	1817.9	1752.1
142.5°	2078.3	1936.9	1921.7	1860.8	1799.8
145°	2110.1	1992.7	1979.5	1926.4	1873.2
147.5°	2156.9	2062.9	2049.9	1998.2	1946.5
150°	2181.4	2099.6	2087.9	2041.1	1994.4
152.5°	2197.3	2123.4	2114.6	2079.2	2043.8
155°	2232.4	2176.1	2169.5	2143.4	2117.1
157.5°	2267.4	2228.7	2222.3	2196.8	2171.3
160°	2283.4	2252.6	2247.7	2227.8	2208.0
162.5°	2300.4	2278.1	2274.3	2259.5	2244.6
165°	2324.9	2314.8	2311.4	2297.9	2284.5
167.5°	2344.0	2335.5	2333.9	2327.6	2321.2
170°	2360.0	2359.4	2357.8	2351.4	2345.0
172.5°	2361.0	2361.0	2360.6	2359.2	2357.8
175°	2370.6	2375.4	2375.4	2375.4	2375.4
177.5°	2371.6	2375.4	2375.4	2375.4	2375.4
180°	2375.4	2375.4	2375.4	2375.4	2375.4



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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	11.88	12.64	12.94	13.70	15.14	14.73	15.49	15.79	16.56	17.99
	3H	12.35	13.03	13.42	14.10	15.56	16.08	16.76	17.15	17.83	19.29
	4H	12.54	13.18	13.62	14.26	15.72	16.52	17.17	17.60	18.24	19.70
	6H	12.65	13.25	13.74	14.32	15.80	16.81	17.40	17.90	18.48	19.95
	8H	12.65	13.22	13.74	14.31	15.78	16.88	17.45	17.97	18.54	20.01
	12H	12.62	13.15	13.71	14.24	15.73	16.92	17.46	18.02	18.54	20.04
4H	2H	12.91	13.55	13.99	14.62	16.09	15.13	15.78	16.22	16.85	18.31
	3H	13.93	14.46	15.02	15.56	17.04	16.63	17.17	17.73	18.27	19.75
	4H	14.20	14.69	15.30	15.78	17.28	17.16	17.65	18.26	18.74	20.24
	6H	14.32	14.74	15.42	15.85	17.34	17.53	17.95	18.63	19.06	20.55
	8H	14.32	14.72	15.43	15.82	17.33	17.63	18.03	18.74	19.13	20.64
	12H	14.28	14.64	15.40	15.76	17.27	17.69	18.05	18.81	19.16	20.67
8H	4H	14.65	15.04	15.75	16.15	17.65	17.28	17.67	18.38	18.78	20.28
	6H	14.90	15.23	16.03	16.38	17.88	17.71	18.04	18.84	19.19	20.69
	8H	14.95	15.23	16.08	16.36	17.88	17.87	18.15	19.00	19.28	20.80
	12H	14.92	15.18	16.06	16.30	17.86	17.97	18.22	19.10	19.34	20.90
12H	4H	14.65	15.01	15.77	16.12	17.63	17.24	17.59	18.36	18.71	20.22
	6H	14.96	15.25	16.10	16.38	17.90	17.71	18.00	18.84	19.12	20.65
	8H	15.03	15.28	16.16	16.40	17.96	17.87	18.12	19.01	19.25	20.81