

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: P935220

Luminaire Tested: SQ4-FA-100U-100D-840-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935220
REPORT IS A COMBINATION OF REPORTS P933748 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-100D-840-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

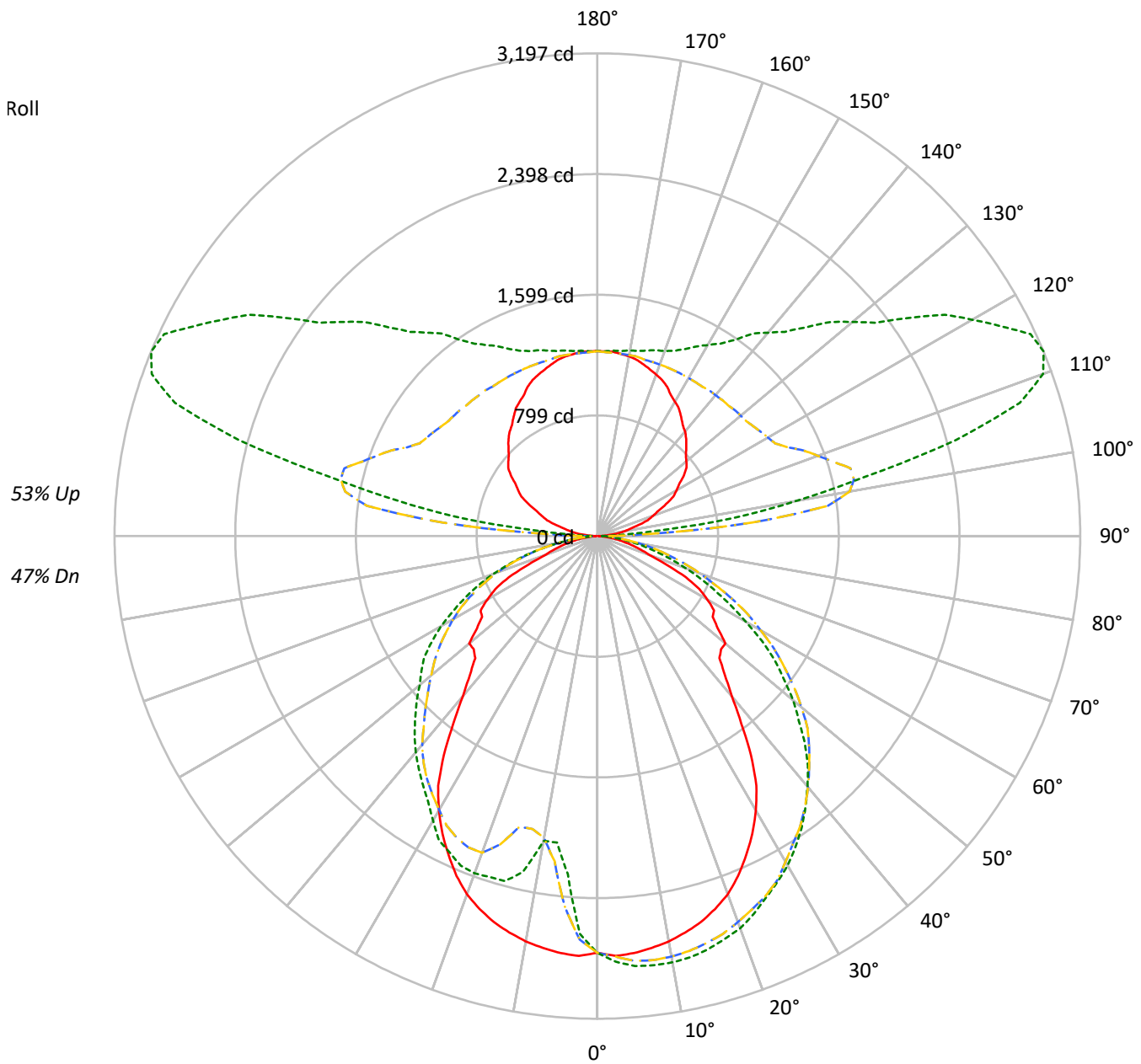
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15098.6 lumens
Efficiency: N/A
Efficacy: 130.2 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): 116
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

TEST NUMBER: P935220
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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	0
RCR																					
0	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	47	47	47	47
1	97	93	89	86	89	86	82	79	72	70	67	59	58	56	48	47	46	40	40	40	40
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	42	40	38	34	34	34	34
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	28	28	28	28
4	74	63	55	49	68	58	51	46	49	44	40	41	37	34	33	30	28	24	24	24	24
5	68	56	48	42	62	52	45	39	44	39	34	37	33	29	30	27	24	21	21	21	21
6	62	50	42	36	57	47	39	34	40	34	30	33	29	26	27	24	21	19	19	19	19
7	58	45	37	32	53	42	35	30	36	30	26	30	26	23	25	21	19	16	16	16	16
8	53	41	33	28	49	38	31	27	33	27	23	28	23	20	23	19	17	15	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13	13	13	13
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12	12	12	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12803	12803	12803	12803
5°	12899	12924	12899	10163
10°	12813	12731	12813	9102
15°	12673	12455	12673	10401
20°	12408	12129	12408	10422
25°	11866	11652	11866	10201
30°	11165	11256	11165	9717
35°	9953	10756	9953	9184
40°	8294	10167	8294	8781
45°	7410	9477	7410	8318
50°	7873	8655	7873	7854
55°	7407	7768	7407	7585
60°	7636	6598	7636	6947
65°	6922	5454	6922	6097
70°	4794	4347	4794	5110
75°	4203	3213	4203	3847
80°	3388	2123	3388	2313
85°	1947	1125	1947	956

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11357 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.1	1.6
10°-20°	707.3	4.7
20°-30°	1093.3	7.2
30°-40°	1305.2	8.6
40°-50°	1312.8	8.7
50°-60°	1142.3	7.6
60°-70°	809.9	5.4
70°-80°	428.5	2.8
80°-90°	111.4	0.7
90°-100°	597.0	4.0
100°-110°	1569.4	10.4
110°-120°	1627.3	10.8
120°-130°	1305.3	8.6
130°-140°	1024.2	6.8
140°-150°	786.1	5.2
150°-160°	566.1	3.7
160°-170°	346.4	2.3
170°-180°	117.0	0.8
0°-30°	2049.7	13.6
0°-40°	3354.8	22.2
0°-60°	5810.0	38.5
0°-90°	7159.8	47.4
90°-120°	3793.7	25.1
90°-150°	6909.3	45.8
90°-180°	7939.0	52.6
0°-180°	15098.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2760	2760	2760	2760	2760	
5°	2773	2859	2773	2248	2773	263
15°	2647	2833	2647	2365	2647	745
25°	2331	2642	2331	2313	2331	1070
35°	1773	2358	1773	2013	1773	1097
45°	1144	1942	1144	1705	1144	916
55°	932	1433	932	1399	932	856
65°	647	864	647	966	647	619
75°	245	410	245	491	245	258
85°	42	104	42	89	42	56
90°	8	31	8	31	8	9
95°	79	361	79	361	79	88
105°	283	2458	283	2458	283	300
115°	502	3164	502	3164	502	496
125°	699	2520	699	2520	699	620
135°	833	1955	833	1955	833	644
145°	966	1586	966	1586	966	605
155°	1091	1366	1091	1366	1091	502
165°	1178	1272	1178	1272	1178	332
175°	1225	1233	1225	1233	1225	116
180°	1225	1225	1225	1225	1225	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6
2.5°	2783.1	2783.1	2798.7	2803.9	2803.9	2796.1	2788.3	2796.1	2819.7	2827.5	2824.9
5°	2772.6	2793.5	2822.2	2827.5	2832.7	2830.0	2824.9	2830.0	2856.2	2861.4	2864.0
7.5°	2751.8	2790.9	2827.5	2835.3	2843.2	2835.3	2832.7	2837.9	2864.0	2869.3	2869.3
10°	2725.6	2780.4	2822.2	2827.5	2835.3	2827.5	2827.5	2837.9	2864.0	2869.3	2871.8
12.5°	2689.0	2764.8	2803.9	2809.2	2819.7	2817.0	2814.4	2824.9	2851.0	2856.2	2856.2
15°	2647.3	2736.1	2772.6	2777.9	2796.1	2790.9	2790.9	2801.4	2830.0	2837.9	2835.3
17.5°	2589.8	2699.5	2741.3	2749.1	2762.2	2759.6	2762.2	2772.6	2798.7	2803.9	2806.6
20°	2524.6	2649.9	2699.5	2707.3	2720.5	2720.5	2720.5	2733.5	2759.6	2770.1	2770.1
22.5°	2435.8	2597.7	2649.9	2655.2	2670.8	2670.8	2676.0	2694.3	2717.8	2720.5	2720.5
25°	2331.4	2540.2	2584.6	2600.3	2616.0	2623.8	2631.6	2642.1	2649.9	2647.3	2649.9
27.5°	2221.7	2467.1	2524.6	2535.0	2556.0	2563.8	2574.2	2576.8	2579.5	2587.3	2582.0
30°	2099.0	2365.4	2451.5	2462.0	2495.9	2501.1	2490.6	2495.9	2508.9	2514.2	2519.4
32.5°	1960.7	2213.9	2375.8	2399.3	2430.6	2415.0	2412.3	2420.2	2441.1	2441.1	2446.3
35°	1772.7	2096.4	2305.3	2326.1	2349.7	2331.4	2341.9	2344.4	2357.6	2365.4	2362.7
37.5°	1566.5	1994.6	2232.2	2247.9	2266.2	2242.7	2258.3	2266.2	2276.5	2271.4	2271.4
40°	1383.7	1835.4	2146.0	2156.5	2172.1	2153.8	2169.5	2174.8	2180.0	2174.8	2172.1
42.5°	1247.9	1660.4	2054.6	2067.7	2057.3	2070.4	2075.6	2086.0	2078.2	2067.7	2067.7
45°	1143.5	1613.4	1955.4	1971.2	1955.4	1976.4	1984.2	1984.2	1960.7	1955.4	1952.9
47.5°	1109.6	1519.4	1856.3	1856.3	1848.4	1874.5	1887.6	1869.3	1845.8	1838.0	1838.0
50°	1107.0	1415.0	1720.5	1710.0	1746.6	1777.9	1764.9	1746.6	1728.3	1699.6	1699.6
52.5°	1005.2	1287.1	1545.5	1584.8	1642.2	1660.4	1639.6	1621.3	1590.0	1576.9	1566.5
55°	932.1	1154.0	1386.4	1464.6	1524.7	1548.2	1509.0	1490.8	1443.8	1436.0	1430.7
57.5°	916.4	960.7	1240.1	1339.3	1412.4	1409.8	1386.4	1352.4	1313.2	1305.3	1302.8
60°	840.7	694.5	1083.4	1200.9	1276.7	1268.8	1247.9	1216.6	1180.1	1174.8	1169.6
62.5°	762.3	503.9	905.9	1039.1	1146.1	1143.5	1125.2	1078.2	1052.1	1039.1	1028.6
65°	647.4	423.0	644.9	864.2	1018.2	1023.4	984.2	950.4	921.6	905.9	903.3
67.5°	493.4	344.6	436.0	720.5	895.5	890.3	840.7	825.0	788.4	780.6	764.9
70°	365.5	229.7	302.8	584.8	775.4	762.3	723.2	704.9	671.0	652.7	642.2
72.5°	302.8	185.3	221.9	454.3	652.7	637.1	603.1	582.2	553.5	537.8	527.4
75°	245.4	195.8	169.7	336.8	530.0	519.6	488.2	467.3	443.8	423.0	425.5
77.5°	180.1	182.8	135.8	248.0	420.3	404.7	386.4	360.3	349.9	329.0	329.0
80°	135.8	143.6	101.9	169.7	302.8	302.8	287.2	268.9	250.7	240.2	240.2
82.5°	91.4	91.4	75.7	107.0	206.3	198.4	188.0	182.8	172.3	167.1	167.1
85°	41.8	52.2	47.0	65.3	112.2	117.5	117.5	112.2	109.7	104.4	107.0
87.5°	13.0	23.5	28.8	36.6	57.4	60.1	62.6	62.6	62.6	65.3	65.3
90°	8.2	14.8	21.3	23.0	36.2	53.6	62.4	55.5	41.6	31.2	31.2
92.5°	32.9	88.8	144.7	158.7	223.0	308.8	351.7	308.3	221.4	156.2	150.0
95°	78.9	181.2	283.5	309.0	548.7	868.4	1028.2	917.6	696.1	530.2	511.4
97.5°	136.4	226.6	317.0	339.5	739.2	1272.1	1538.6	1468.7	1328.8	1223.8	1188.1
100°	180.8	262.6	344.5	365.0	808.5	1399.9	1695.6	1700.7	1710.9	1718.6	1675.9
102.5°	218.6	294.9	371.3	390.4	840.2	1440.0	1740.0	1829.1	2007.4	2141.1	2104.5
105°	282.8	347.4	412.0	428.2	863.8	1444.7	1735.0	1934.8	2334.4	2634.2	2614.5
107.5°	348.5	408.7	469.0	484.1	868.3	1380.3	1636.4	1915.1	2472.6	2890.6	2895.3
110°	392.8	447.3	501.7	515.3	861.6	1323.3	1554.2	1865.8	2489.0	2956.4	2976.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	436.4	488.3	540.2	553.2	861.9	1273.6	1479.4	1798.4	2436.1	2914.5	2945.9
115°	502.2	550.0	597.9	609.9	869.8	1216.5	1389.8	1697.1	2311.5	2772.3	2815.9
117.5°	567.1	610.6	654.1	664.9	886.0	1180.8	1328.2	1605.4	2160.0	2575.8	2624.1
120°	605.0	645.9	686.8	696.9	899.2	1168.8	1303.6	1556.9	2063.5	2443.5	2490.5
122.5°	641.9	683.2	724.5	734.8	918.0	1162.4	1284.6	1512.7	1969.0	2311.2	2357.6
125°	698.6	736.3	773.9	783.3	943.5	1157.2	1264.0	1457.9	1845.5	2136.2	2178.8
127.5°	744.7	782.6	820.6	830.1	969.0	1154.3	1246.9	1413.2	1746.0	1995.6	2031.5
130°	769.3	810.2	851.1	861.3	987.6	1156.1	1240.2	1388.3	1684.6	1906.8	1940.0
132.5°	794.7	835.7	876.6	886.8	1002.7	1157.2	1234.5	1367.1	1632.3	1831.2	1860.9
135°	832.6	869.8	907.2	916.5	1019.2	1156.2	1224.6	1335.7	1557.8	1724.4	1750.0
137.5°	871.2	908.1	945.0	954.2	1043.8	1163.3	1222.9	1316.8	1504.6	1645.4	1666.5
140°	903.2	937.2	971.2	979.7	1058.8	1164.5	1217.2	1298.3	1460.6	1582.2	1601.8
142.5°	927.9	959.3	990.8	998.6	1071.5	1168.6	1217.2	1288.5	1430.9	1537.8	1554.7
145°	965.8	993.1	1020.6	1027.4	1088.0	1168.7	1209.0	1267.3	1383.8	1471.2	1484.0
147.5°	1003.5	1030.2	1056.9	1063.6	1112.1	1176.7	1209.0	1254.9	1346.5	1415.3	1425.9
150°	1028.2	1052.3	1076.4	1082.5	1124.6	1180.9	1209.0	1247.7	1325.2	1383.3	1391.9
152.5°	1053.7	1072.0	1090.3	1094.8	1132.8	1183.6	1209.0	1242.1	1308.2	1357.8	1364.3
155°	1091.4	1105.0	1118.5	1121.9	1150.9	1189.7	1209.0	1235.3	1288.0	1327.4	1331.6
157.5°	1119.4	1132.5	1145.8	1149.0	1169.0	1195.7	1209.0	1229.5	1270.4	1301.1	1304.1
160°	1138.4	1148.6	1158.8	1161.4	1177.3	1198.4	1209.0	1226.6	1261.7	1288.0	1289.7
162.5°	1157.2	1165.0	1172.7	1174.5	1186.0	1201.3	1209.0	1223.8	1253.4	1275.6	1277.3
165°	1177.8	1184.7	1191.6	1193.4	1198.6	1205.6	1209.0	1219.6	1240.8	1256.7	1258.5
167.5°	1196.7	1199.9	1203.3	1204.1	1208.4	1214.3	1217.2	1224.1	1238.1	1248.4	1249.1
170°	1209.0	1212.3	1215.6	1216.4	1216.7	1217.0	1217.2	1224.1	1238.1	1248.4	1248.4
172.5°	1215.6	1216.3	1217.0	1217.2	1217.2	1217.2	1217.2	1222.7	1233.7	1241.9	1241.3
175°	1224.6	1224.6	1224.6	1224.6	1222.2	1218.9	1217.2	1220.7	1227.6	1232.8	1232.8
177.5°	1224.6	1224.6	1224.6	1224.6	1222.7	1220.2	1218.9	1221.7	1227.1	1231.2	1230.6
180°	1224.6	1224.6	1224.6	1224.6	1224.6	1224.6	1224.6	1224.6	1224.6	1224.6	1224.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6
2.5°	2830.0	2822.2	2830.0	2824.9	2827.5	2819.7	2796.1	2788.3	2796.1	2803.9	2803.9
5°	2864.0	2858.8	2864.0	2864.0	2861.4	2856.2	2830.0	2824.9	2830.0	2832.7	2827.5
7.5°	2874.5	2866.6	2874.5	2869.3	2869.3	2864.0	2837.9	2832.7	2835.3	2843.2	2835.3
10°	2874.5	2866.6	2874.5	2871.8	2869.3	2864.0	2837.9	2827.5	2827.5	2835.3	2827.5
12.5°	2861.4	2856.2	2861.4	2856.2	2856.2	2851.0	2824.9	2814.4	2817.0	2819.7	2809.2
15°	2840.5	2832.7	2840.5	2835.3	2837.9	2830.0	2801.4	2790.9	2790.9	2796.1	2777.9
17.5°	2809.2	2798.7	2809.2	2806.6	2803.9	2798.7	2772.6	2762.2	2759.6	2762.2	2749.1
20°	2772.6	2764.8	2772.6	2770.1	2770.1	2759.6	2733.5	2720.5	2720.5	2720.5	2707.3
22.5°	2715.2	2707.3	2715.2	2720.5	2720.5	2717.8	2694.3	2676.0	2670.8	2670.8	2655.2
25°	2649.9	2642.1	2649.9	2649.9	2647.3	2649.9	2642.1	2631.6	2623.8	2616.0	2600.3
27.5°	2587.3	2582.0	2587.3	2582.0	2587.3	2579.5	2576.8	2574.2	2563.8	2556.0	2535.0
30°	2524.6	2519.4	2524.6	2519.4	2514.2	2508.9	2495.9	2490.6	2501.1	2495.9	2462.0
32.5°	2446.3	2441.1	2446.3	2446.3	2441.1	2441.1	2420.2	2412.3	2415.0	2430.6	2399.3
35°	2365.4	2357.6	2365.4	2362.7	2365.4	2357.6	2344.4	2341.9	2331.4	2349.7	2326.1
37.5°	2271.4	2263.5	2271.4	2271.4	2271.4	2276.5	2266.2	2258.3	2242.7	2266.2	2247.9
40°	2174.8	2164.3	2174.8	2172.1	2174.8	2180.0	2174.8	2169.5	2153.8	2172.1	2156.5
42.5°	2065.1	2062.5	2065.1	2067.7	2067.7	2078.2	2086.0	2075.6	2070.4	2057.3	2067.7
45°	1947.6	1942.4	1947.6	1952.9	1955.4	1960.7	1984.2	1984.2	1976.4	1955.4	1971.2
47.5°	1822.3	1809.2	1822.3	1838.0	1838.0	1845.8	1869.3	1887.6	1874.5	1848.4	1856.3
50°	1689.2	1691.8	1689.2	1699.6	1699.6	1728.3	1746.6	1764.9	1777.9	1746.6	1710.0
52.5°	1558.7	1556.0	1558.7	1566.5	1576.9	1590.0	1621.3	1639.6	1660.4	1642.2	1584.8
55°	1428.1	1433.3	1428.1	1430.7	1436.0	1443.8	1490.8	1509.0	1548.2	1524.7	1464.6
57.5°	1297.5	1289.7	1297.5	1302.8	1305.3	1313.2	1352.4	1386.4	1409.8	1412.4	1339.3
60°	1146.1	1135.7	1146.1	1169.6	1174.8	1180.1	1216.6	1247.9	1268.8	1276.7	1200.9
62.5°	1013.0	994.7	1013.0	1028.6	1039.1	1052.1	1078.2	1125.2	1143.5	1146.1	1039.1
65°	872.0	864.2	872.0	903.3	905.9	921.6	950.4	984.2	1023.4	1018.2	864.2
67.5°	744.1	744.1	744.1	764.9	780.6	788.4	825.0	840.7	890.3	895.5	720.5
70°	626.6	624.0	626.6	642.2	652.7	671.0	704.9	723.2	762.3	775.4	584.8
72.5°	514.4	511.7	514.4	527.4	537.8	553.5	582.2	603.1	637.1	652.7	454.3
75°	415.2	409.9	415.2	425.5	423.0	443.8	467.3	488.2	519.6	530.0	336.8
77.5°	318.5	318.5	318.5	329.0	329.0	349.9	360.3	386.4	404.7	420.3	248.0
80°	237.6	234.9	237.6	240.2	240.2	250.7	268.9	287.2	302.8	302.8	169.7
82.5°	167.1	161.8	167.1	167.1	167.1	172.3	182.8	188.0	198.4	206.3	107.0
85°	104.4	104.4	104.4	107.0	104.4	109.7	112.2	117.5	117.5	112.2	65.3
87.5°	67.9	65.3	67.9	65.3	65.3	62.6	62.6	62.6	60.1	57.4	36.6
90°	31.2	31.2	31.2	31.2	31.2	41.6	55.5	62.4	53.6	36.2	23.0
92.5°	125.2	100.3	125.2	150.0	156.2	221.4	308.3	351.7	308.8	223.0	158.7
95°	436.1	360.8	436.1	511.4	530.2	696.1	917.6	1028.2	868.4	548.7	309.0
97.5°	1044.8	901.6	1044.8	1188.1	1223.8	1328.8	1468.7	1538.6	1272.1	739.2	339.5
100°	1505.4	1334.8	1505.4	1675.9	1718.6	1710.9	1700.7	1695.6	1399.9	808.5	365.0
102.5°	1958.4	1812.3	1958.4	2104.5	2141.1	2007.4	1829.1	1740.0	1440.0	840.2	390.4
105°	2536.0	2457.5	2536.0	2614.5	2634.2	2334.4	1934.8	1735.0	1444.7	863.8	428.2
107.5°	2914.4	2933.4	2914.4	2895.3	2890.6	2472.6	1915.1	1636.4	1380.3	868.3	484.1
110°	3058.7	3140.5	3058.7	2976.8	2956.4	2489.0	1865.8	1554.2	1323.3	861.6	515.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3071.5	3197.2	3071.5	2945.9	2914.5	2436.1	1798.4	1479.4	1273.6	861.9	553.2
115°	2990.1	3164.4	2990.1	2815.9	2772.3	2311.5	1697.1	1389.8	1216.5	869.8	609.9
117.5°	2817.4	3010.6	2817.4	2624.1	2575.8	2160.0	1605.4	1328.2	1180.8	886.0	664.9
120°	2678.3	2866.0	2678.3	2490.5	2443.5	2063.5	1556.9	1303.6	1168.8	899.2	696.9
122.5°	2542.7	2727.9	2542.7	2357.6	2311.2	1969.0	1512.7	1284.6	1162.4	918.0	734.8
125°	2349.4	2520.0	2349.4	2178.8	2136.2	1845.5	1457.9	1264.0	1157.2	943.5	783.3
127.5°	2175.5	2319.4	2175.5	2031.5	1995.6	1746.0	1413.2	1246.9	1154.3	969.0	830.1
130°	2073.0	2206.0	2073.0	1940.0	1906.8	1684.6	1388.3	1240.2	1156.1	987.6	861.3
132.5°	1980.1	2099.1	1980.1	1860.9	1831.2	1632.3	1367.1	1234.5	1157.2	1002.7	886.8
135°	1852.7	1955.4	1852.7	1750.0	1724.4	1557.8	1335.7	1224.6	1156.2	1019.2	916.5
137.5°	1750.4	1834.5	1750.4	1666.5	1645.4	1504.6	1316.8	1222.9	1163.3	1043.8	954.2
140°	1680.3	1758.8	1680.3	1601.8	1582.2	1460.6	1298.3	1217.2	1164.5	1058.8	979.7
142.5°	1622.3	1689.9	1622.3	1554.7	1537.8	1430.9	1288.5	1217.2	1168.6	1071.5	998.6
145°	1535.2	1586.2	1535.2	1484.0	1471.2	1383.8	1267.3	1209.0	1168.7	1088.0	1027.4
147.5°	1468.3	1510.7	1468.3	1425.9	1415.3	1346.5	1254.9	1209.0	1176.7	1112.1	1063.6
150°	1426.2	1460.6	1426.2	1391.9	1383.3	1325.2	1247.7	1209.0	1180.9	1124.6	1082.5
152.5°	1390.2	1416.1	1390.2	1364.3	1357.8	1308.2	1242.1	1209.0	1183.6	1132.8	1094.8
155°	1348.8	1366.0	1348.8	1331.6	1327.4	1288.0	1235.3	1209.0	1189.7	1150.9	1121.9
157.5°	1316.1	1328.2	1316.1	1304.1	1301.1	1270.4	1229.5	1209.0	1195.7	1169.0	1149.0
160°	1296.7	1303.6	1296.7	1289.7	1288.0	1261.7	1226.6	1209.0	1198.4	1177.3	1161.4
162.5°	1283.8	1290.4	1283.8	1277.3	1275.6	1253.4	1223.8	1209.0	1201.3	1186.0	1174.5
165°	1265.4	1272.3	1265.4	1258.5	1256.7	1240.8	1219.6	1209.0	1205.6	1198.6	1193.4
167.5°	1252.1	1255.1	1252.1	1249.1	1248.4	1238.1	1224.1	1217.2	1214.3	1208.4	1204.1
170°	1248.4	1248.4	1248.4	1248.4	1248.4	1238.1	1224.1	1217.2	1217.0	1216.7	1216.4
172.5°	1238.8	1236.2	1238.8	1241.3	1241.9	1233.7	1222.7	1217.2	1217.2	1217.2	1217.2
175°	1232.8	1232.8	1232.8	1232.8	1232.8	1227.6	1220.7	1217.2	1218.9	1222.2	1224.6
177.5°	1227.6	1224.6	1227.6	1230.6	1231.2	1227.1	1221.7	1218.9	1220.2	1222.7	1224.6
180°	1224.6	1224.6	1224.6	1224.6	1224.6	1224.6	1224.6	1224.6	1224.6	1224.6	1224.6



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6
2.5°	2798.7	2783.1	2783.1	2757.0	2746.5	2738.7	2725.6	2686.5	2676.0	2665.6	2681.2
5°	2822.2	2793.5	2772.6	2725.6	2686.5	2670.8	2621.2	2527.2	2464.6	2417.5	2391.5
7.5°	2827.5	2790.9	2751.8	2678.7	2584.6	2542.9	2391.5	2219.1	2172.1	2130.4	2104.2
10°	2822.2	2780.4	2725.6	2616.0	2394.0	2321.0	2169.5	2057.3	2028.6	2020.8	2028.6
12.5°	2803.9	2764.8	2689.0	2506.4	2195.6	2146.0	2057.3	1992.0	1986.8	1999.8	2070.4
15°	2772.6	2736.1	2647.3	2360.1	2086.0	2049.4	1986.8	1963.3	1992.0	2083.4	2294.8
17.5°	2741.3	2699.5	2589.8	2216.6	2002.5	1976.4	1931.9	1979.0	2140.8	2263.5	2334.1
20°	2699.5	2649.9	2524.6	2112.1	1942.4	1918.9	1898.0	2109.5	2232.2	2276.5	2315.8
22.5°	2649.9	2597.7	2435.8	2039.0	1879.8	1861.5	1874.5	2182.6	2232.2	2263.5	2297.5
25°	2584.6	2540.2	2331.4	1981.5	1830.2	1809.2	1858.8	2174.8	2203.4	2211.3	2279.2
27.5°	2524.6	2467.1	2221.7	1929.4	1770.1	1762.3	1872.0	2140.8	2161.7	2169.5	2242.7
30°	2451.5	2365.4	2099.0	1874.5	1707.5	1704.8	1874.5	2099.0	2093.9	2114.7	2187.8
32.5°	2375.8	2213.9	1960.7	1806.7	1647.4	1644.8	1856.3	2036.4	2031.1	2059.9	2114.7
35°	2305.3	2096.4	1772.7	1728.3	1571.7	1574.3	1811.9	1963.3	1965.9	1992.0	2026.0
37.5°	2232.2	1994.6	1566.5	1642.2	1498.6	1498.6	1751.8	1895.4	1890.2	1898.0	1945.0
40°	2146.0	1835.4	1383.7	1529.9	1430.7	1422.8	1678.7	1822.3	1804.0	1801.4	1866.7
42.5°	2054.6	1660.4	1247.9	1381.1	1352.4	1341.9	1590.0	1733.5	1699.6	1707.5	1790.9
45°	1955.4	1613.4	1143.5	1167.0	1271.5	1263.7	1493.4	1631.7	1608.3	1629.1	1715.3
47.5°	1856.3	1519.4	1109.6	968.6	1185.3	1182.6	1386.4	1532.5	1519.4	1540.4	1631.7
50°	1720.5	1415.0	1107.0	830.2	1088.7	1099.2	1258.4	1436.0	1436.0	1454.2	1550.8
52.5°	1545.5	1287.1	1005.2	751.9	976.4	1007.8	1146.1	1352.4	1357.6	1375.9	1462.0
55°	1386.4	1154.0	932.1	691.9	843.3	911.1	1036.5	1266.2	1276.7	1295.0	1373.2
57.5°	1240.1	960.7	916.4	621.4	720.5	785.9	939.9	1182.6	1187.9	1203.6	1279.3
60°	1083.4	694.5	840.7	545.7	613.5	663.1	851.1	1083.4	1101.7	1112.2	1177.5
62.5°	905.9	503.9	762.3	493.4	561.3	571.8	778.0	989.5	1013.0	1020.8	1059.9
65°	644.9	423.0	647.4	449.0	506.4	509.1	699.7	892.9	913.8	926.8	955.5
67.5°	436.0	344.6	493.4	407.3	464.8	467.3	624.0	780.6	809.4	819.7	838.0
70°	302.8	229.7	365.5	362.9	417.7	423.0	543.0	678.8	704.9	712.7	723.2
72.5°	221.9	185.3	302.8	326.3	368.1	373.4	459.5	564.0	590.0	597.8	603.1
75°	169.7	195.8	245.4	284.5	313.3	315.9	375.9	459.5	477.8	483.0	485.6
77.5°	135.8	182.8	180.1	229.7	255.9	250.7	295.0	355.1	370.7	370.7	370.7
80°	101.9	143.6	135.8	164.5	188.0	182.8	211.4	253.2	258.5	263.7	261.0
82.5°	75.7	91.4	91.4	104.4	125.3	120.1	141.0	164.5	164.5	164.5	169.7
85°	47.0	52.2	41.8	54.8	70.4	67.9	78.3	88.7	91.4	91.4	86.2
87.5°	28.8	23.5	13.0	20.8	31.3	31.3	36.6	39.1	36.6	36.6	36.6
90°	21.3	14.8	8.2	14.8	21.3	23.0	36.2	53.6	62.4	55.5	41.6
92.5°	144.7	88.8	32.9	88.8	144.7	158.7	223.0	308.8	351.7	308.3	221.4
95°	283.5	181.2	78.9	181.2	283.5	309.0	548.7	868.4	1028.2	917.6	696.1
97.5°	317.0	226.6	136.4	226.6	317.0	339.5	739.2	1272.1	1538.6	1468.7	1328.8
100°	344.5	262.6	180.8	262.6	344.5	365.0	808.5	1399.9	1695.6	1700.7	1710.9
102.5°	371.3	294.9	218.6	294.9	371.3	390.4	840.2	1440.0	1740.0	1829.1	2007.4
105°	412.0	347.4	282.8	347.4	412.0	428.2	863.8	1444.7	1735.0	1934.8	2334.4
107.5°	469.0	408.7	348.5	408.7	469.0	484.1	868.3	1380.3	1636.4	1915.1	2472.6
110°	501.7	447.3	392.8	447.3	501.7	515.3	861.6	1323.3	1554.2	1865.8	2489.0



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	540.2	488.3	436.4	488.3	540.2	553.2	861.9	1273.6	1479.4	1798.4	2436.1
115°	597.9	550.0	502.2	550.0	597.9	609.9	869.8	1216.5	1389.8	1697.1	2311.5
117.5°	654.1	610.6	567.1	610.6	654.1	664.9	886.0	1180.8	1328.2	1605.4	2160.0
120°	686.8	645.9	605.0	645.9	686.8	696.9	899.2	1168.8	1303.6	1556.9	2063.5
122.5°	724.5	683.2	641.9	683.2	724.5	734.8	918.0	1162.4	1284.6	1512.7	1969.0
125°	773.9	736.3	698.6	736.3	773.9	783.3	943.5	1157.2	1264.0	1457.9	1845.5
127.5°	820.6	782.6	744.7	782.6	820.6	830.1	969.0	1154.3	1246.9	1413.2	1746.0
130°	851.1	810.2	769.3	810.2	851.1	861.3	987.6	1156.1	1240.2	1388.3	1684.6
132.5°	876.6	835.7	794.7	835.7	876.6	886.8	1002.7	1157.2	1234.5	1367.1	1632.3
135°	907.2	869.8	832.6	869.8	907.2	916.5	1019.2	1156.2	1224.6	1335.7	1557.8
137.5°	945.0	908.1	871.2	908.1	945.0	954.2	1043.8	1163.3	1222.9	1316.8	1504.6
140°	971.2	937.2	903.2	937.2	971.2	979.7	1058.8	1164.5	1217.2	1298.3	1460.6
142.5°	990.8	959.3	927.9	959.3	990.8	998.6	1071.5	1168.6	1217.2	1288.5	1430.9
145°	1020.6	993.1	965.8	993.1	1020.6	1027.4	1088.0	1168.7	1209.0	1267.3	1383.8
147.5°	1056.9	1030.2	1003.5	1030.2	1056.9	1063.6	1112.1	1176.7	1209.0	1254.9	1346.5
150°	1076.4	1052.3	1028.2	1052.3	1076.4	1082.5	1124.6	1180.9	1209.0	1247.7	1325.2
152.5°	1090.3	1072.0	1053.7	1072.0	1090.3	1094.8	1132.8	1183.6	1209.0	1242.1	1308.2
155°	1118.5	1105.0	1091.4	1105.0	1118.5	1121.9	1150.9	1189.7	1209.0	1235.3	1288.0
157.5°	1145.8	1132.5	1119.4	1132.5	1145.8	1149.0	1169.0	1195.7	1209.0	1229.5	1270.4
160°	1158.8	1148.6	1138.4	1148.6	1158.8	1161.4	1177.3	1198.4	1209.0	1226.6	1261.7
162.5°	1172.7	1165.0	1157.2	1165.0	1172.7	1174.5	1186.0	1201.3	1209.0	1223.8	1253.4
165°	1191.6	1184.7	1177.8	1184.7	1191.6	1193.4	1198.6	1205.6	1209.0	1219.6	1240.8
167.5°	1203.3	1199.9	1196.7	1199.9	1203.3	1204.1	1208.4	1214.3	1217.2	1224.1	1238.1
170°	1215.6	1212.3	1209.0	1212.3	1215.6	1216.4	1216.7	1217.0	1217.2	1224.1	1238.1
172.5°	1217.0	1216.3	1215.6	1216.3	1217.0	1217.2	1217.2	1217.2	1217.2	1222.7	1233.7
175°	1224.6	1224.6	1224.6	1224.6	1224.6	1224.6	1222.2	1218.9	1217.2	1220.7	1227.6
177.5°	1224.6	1224.6	1224.6	1224.6	1224.6	1224.6	1222.7	1220.2	1218.9	1221.7	1227.1
180°	1224.6	1224.6	1224.6	1224.6	1224.6	1224.6	1224.6	1224.6	1224.6	1224.6	1224.6



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6
2.5°	2663.0	2655.2	2665.6	2636.9	2665.6	2655.2	2663.0	2681.2	2665.6	2676.0	2686.5
5°	2336.6	2323.6	2281.8	2247.9	2281.8	2323.6	2336.6	2391.5	2417.5	2464.6	2527.2
7.5°	2088.6	2078.2	2067.7	2046.8	2067.7	2078.2	2088.6	2104.2	2130.4	2172.1	2219.1
10°	2033.8	2036.4	2052.1	2049.4	2052.1	2036.4	2033.8	2028.6	2020.8	2028.6	2057.3
12.5°	2174.8	2198.3	2284.5	2279.2	2284.5	2198.3	2174.8	2070.4	1999.8	1986.8	1992.0
15°	2336.6	2344.4	2362.7	2365.4	2362.7	2344.4	2336.6	2294.8	2083.4	1992.0	1963.3
17.5°	2352.3	2354.9	2367.9	2367.9	2367.9	2354.9	2352.3	2334.1	2263.5	2140.8	1979.0
20°	2339.3	2344.4	2370.6	2375.8	2370.6	2344.4	2339.3	2315.8	2276.5	2232.2	2109.5
22.5°	2334.1	2344.4	2365.4	2362.7	2365.4	2344.4	2334.1	2297.5	2263.5	2232.2	2182.6
25°	2307.9	2307.9	2310.5	2313.1	2310.5	2307.9	2307.9	2279.2	2211.3	2203.4	2174.8
27.5°	2253.1	2258.3	2274.0	2271.4	2274.0	2258.3	2253.1	2242.7	2169.5	2161.7	2140.8
30°	2203.4	2198.3	2185.2	2174.8	2185.2	2198.3	2203.4	2187.8	2114.7	2093.9	2099.0
32.5°	2120.0	2106.9	2093.9	2086.0	2093.9	2106.9	2120.0	2114.7	2059.9	2031.1	2036.4
35°	2020.8	2023.3	2020.8	2012.9	2020.8	2023.3	2020.8	2026.0	1992.0	1965.9	1963.3
37.5°	1950.2	1955.4	1952.9	1942.4	1952.9	1955.4	1950.2	1945.0	1898.0	1890.2	1895.4
40°	1877.1	1879.8	1877.1	1869.3	1877.1	1879.8	1877.1	1866.7	1801.4	1804.0	1822.3
42.5°	1806.7	1804.0	1796.2	1790.9	1796.2	1804.0	1806.7	1790.9	1707.5	1699.6	1733.5
45°	1725.7	1728.3	1712.7	1704.8	1712.7	1728.3	1725.7	1715.3	1629.1	1608.3	1631.7
47.5°	1644.8	1644.8	1631.7	1623.9	1631.7	1644.8	1644.8	1631.7	1540.4	1519.4	1532.5
50°	1558.7	1556.0	1537.7	1535.2	1537.7	1556.0	1558.7	1550.8	1454.2	1436.0	1436.0
52.5°	1459.4	1459.4	1462.0	1467.3	1462.0	1459.4	1459.4	1462.0	1375.9	1357.6	1352.4
55°	1373.2	1375.9	1394.2	1399.4	1394.2	1375.9	1373.2	1373.2	1295.0	1276.7	1266.2
57.5°	1284.5	1284.5	1297.5	1297.5	1297.5	1284.5	1284.5	1279.3	1203.6	1187.9	1182.6
60°	1182.6	1187.9	1198.3	1195.8	1198.3	1187.9	1182.6	1177.5	1112.2	1101.7	1083.4
62.5°	1075.6	1080.9	1083.4	1078.2	1083.4	1080.9	1075.6	1059.9	1020.8	1013.0	989.5
65°	963.4	968.6	971.2	966.0	971.2	968.6	963.4	955.5	926.8	913.8	892.9
67.5°	848.5	845.9	843.3	853.7	843.3	845.9	848.5	838.0	819.7	809.4	780.6
70°	731.0	731.0	728.4	733.6	728.4	731.0	731.0	723.2	712.7	704.9	678.8
72.5°	605.7	603.1	613.5	605.7	613.5	603.1	605.7	603.1	597.8	590.0	564.0
75°	483.0	488.2	483.0	490.8	483.0	488.2	483.0	485.6	483.0	477.8	459.5
77.5°	368.1	373.4	368.1	368.1	368.1	373.4	368.1	370.7	370.7	370.7	355.1
80°	261.0	258.5	258.5	255.9	258.5	258.5	261.0	261.0	263.7	258.5	253.2
82.5°	167.1	164.5	164.5	169.7	164.5	164.5	167.1	169.7	164.5	164.5	164.5
85°	91.4	94.0	88.7	88.7	88.7	94.0	91.4	86.2	91.4	91.4	88.7
87.5°	34.0	31.3	31.3	31.3	31.3	31.3	34.0	36.6	36.6	36.6	39.1
90°	31.2	31.2	31.2	31.2	31.2	31.2	31.2	41.6	55.5	62.4	53.6
92.5°	156.2	150.0	125.2	100.3	125.2	150.0	156.2	221.4	308.3	351.7	308.8
95°	530.2	511.4	436.1	360.8	436.1	511.4	530.2	696.1	917.6	1028.2	868.4
97.5°	1223.8	1188.1	1044.8	901.6	1044.8	1188.1	1223.8	1328.8	1468.7	1538.6	1272.1
100°	1718.6	1675.9	1505.4	1334.8	1505.4	1675.9	1718.6	1710.9	1700.7	1695.6	1399.9
102.5°	2141.1	2104.5	1958.4	1812.3	1958.4	2104.5	2141.1	2007.4	1829.1	1740.0	1440.0
105°	2634.2	2614.5	2536.0	2457.5	2536.0	2614.5	2634.2	2334.4	1934.8	1735.0	1444.7
107.5°	2890.6	2895.3	2914.4	2933.4	2914.4	2895.3	2890.6	2472.6	1915.1	1636.4	1380.3
110°	2956.4	2976.8	3058.7	3140.5	3058.7	2976.8	2956.4	2489.0	1865.8	1554.2	1323.3



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2914.5	2945.9	3071.5	3197.2	3071.5	2945.9	2914.5	2436.1	1798.4	1479.4	1273.6
115°	2772.3	2815.9	2990.1	3164.4	2990.1	2815.9	2772.3	2311.5	1697.1	1389.8	1216.5
117.5°	2575.8	2624.1	2817.4	3010.6	2817.4	2624.1	2575.8	2160.0	1605.4	1328.2	1180.8
120°	2443.5	2490.5	2678.3	2866.0	2678.3	2490.5	2443.5	2063.5	1556.9	1303.6	1168.8
122.5°	2311.2	2357.6	2542.7	2727.9	2542.7	2357.6	2311.2	1969.0	1512.7	1284.6	1162.4
125°	2136.2	2178.8	2349.4	2520.0	2349.4	2178.8	2136.2	1845.5	1457.9	1264.0	1157.2
127.5°	1995.6	2031.5	2175.5	2319.4	2175.5	2031.5	1995.6	1746.0	1413.2	1246.9	1154.3
130°	1906.8	1940.0	2073.0	2206.0	2073.0	1940.0	1906.8	1684.6	1388.3	1240.2	1156.1
132.5°	1831.2	1860.9	1980.1	2099.1	1980.1	1860.9	1831.2	1632.3	1367.1	1234.5	1157.2
135°	1724.4	1750.0	1852.7	1955.4	1852.7	1750.0	1724.4	1557.8	1335.7	1224.6	1156.2
137.5°	1645.4	1666.5	1750.4	1834.5	1750.4	1666.5	1645.4	1504.6	1316.8	1222.9	1163.3
140°	1582.2	1601.8	1680.3	1758.8	1680.3	1601.8	1582.2	1460.6	1298.3	1217.2	1164.5
142.5°	1537.8	1554.7	1622.3	1689.9	1622.3	1554.7	1537.8	1430.9	1288.5	1217.2	1168.6
145°	1471.2	1484.0	1535.2	1586.2	1535.2	1484.0	1471.2	1383.8	1267.3	1209.0	1168.7
147.5°	1415.3	1425.9	1468.3	1510.7	1468.3	1425.9	1415.3	1346.5	1254.9	1209.0	1176.7
150°	1383.3	1391.9	1426.2	1460.6	1426.2	1391.9	1383.3	1325.2	1247.7	1209.0	1180.9
152.5°	1357.8	1364.3	1390.2	1416.1	1390.2	1364.3	1357.8	1308.2	1242.1	1209.0	1183.6
155°	1327.4	1331.6	1348.8	1366.0	1348.8	1331.6	1327.4	1288.0	1235.3	1209.0	1189.7
157.5°	1301.1	1304.1	1316.1	1328.2	1316.1	1304.1	1301.1	1270.4	1229.5	1209.0	1195.7
160°	1288.0	1289.7	1296.7	1303.6	1296.7	1289.7	1288.0	1261.7	1226.6	1209.0	1198.4
162.5°	1275.6	1277.3	1283.8	1290.4	1283.8	1277.3	1275.6	1253.4	1223.8	1209.0	1201.3
165°	1256.7	1258.5	1265.4	1272.3	1265.4	1258.5	1256.7	1240.8	1219.6	1209.0	1205.6
167.5°	1248.4	1249.1	1252.1	1255.1	1252.1	1249.1	1248.4	1238.1	1224.1	1217.2	1214.3
170°	1248.4	1248.4	1248.4	1248.4	1248.4	1248.4	1248.4	1238.1	1224.1	1217.2	1217.0
172.5°	1241.9	1241.3	1238.8	1236.2	1238.8	1241.3	1241.9	1233.7	1222.7	1217.2	1217.2
175°	1232.8	1232.8	1232.8	1232.8	1232.8	1232.8	1232.8	1227.6	1220.7	1217.2	1218.9
177.5°	1231.2	1230.6	1227.6	1224.6	1227.6	1230.6	1231.2	1227.1	1221.7	1218.9	1220.2
180°	1224.6	1224.6	1224.6	1224.6	1224.6	1224.6	1224.6	1224.6	1224.6	1224.6	1224.6



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2759.6	2759.6	2759.6	2759.6	2759.6
2.5°	2725.6	2738.7	2746.5	2757.0	2783.1
5°	2621.2	2670.8	2686.5	2725.6	2772.6
7.5°	2391.5	2542.9	2584.6	2678.7	2751.8
10°	2169.5	2321.0	2394.0	2616.0	2725.6
12.5°	2057.3	2146.0	2195.6	2506.4	2689.0
15°	1986.8	2049.4	2086.0	2360.1	2647.3
17.5°	1931.9	1976.4	2002.5	2216.6	2589.8
20°	1898.0	1918.9	1942.4	2112.1	2524.6
22.5°	1874.5	1861.5	1879.8	2039.0	2435.8
25°	1858.8	1809.2	1830.2	1981.5	2331.4
27.5°	1872.0	1762.3	1770.1	1929.4	2221.7
30°	1874.5	1704.8	1707.5	1874.5	2099.0
32.5°	1856.3	1644.8	1647.4	1806.7	1960.7
35°	1811.9	1574.3	1571.7	1728.3	1772.7
37.5°	1751.8	1498.6	1498.6	1642.2	1566.5
40°	1678.7	1422.8	1430.7	1529.9	1383.7
42.5°	1590.0	1341.9	1352.4	1381.1	1247.9
45°	1493.4	1263.7	1271.5	1167.0	1143.5
47.5°	1386.4	1182.6	1185.3	968.6	1109.6
50°	1258.4	1099.2	1088.7	830.2	1107.0
52.5°	1146.1	1007.8	976.4	751.9	1005.2
55°	1036.5	911.1	843.3	691.9	932.1
57.5°	939.9	785.9	720.5	621.4	916.4
60°	851.1	663.1	613.5	545.7	840.7
62.5°	778.0	571.8	561.3	493.4	762.3
65°	699.7	509.1	506.4	449.0	647.4
67.5°	624.0	467.3	464.8	407.3	493.4
70°	543.0	423.0	417.7	362.9	365.5
72.5°	459.5	373.4	368.1	326.3	302.8
75°	375.9	315.9	313.3	284.5	245.4
77.5°	295.0	250.7	255.9	229.7	180.1
80°	211.4	182.8	188.0	164.5	135.8
82.5°	141.0	120.1	125.3	104.4	91.4
85°	78.3	67.9	70.4	54.8	41.8
87.5°	36.6	31.3	31.3	20.8	13.0
90°	36.2	23.0	21.3	14.8	8.2
92.5°	223.0	158.7	144.7	88.8	32.9
95°	548.7	309.0	283.5	181.2	78.9
97.5°	739.2	339.5	317.0	226.6	136.4
100°	808.5	365.0	344.5	262.6	180.8
102.5°	840.2	390.4	371.3	294.9	218.6
105°	863.8	428.2	412.0	347.4	282.8
107.5°	868.3	484.1	469.0	408.7	348.5
110°	861.6	515.3	501.7	447.3	392.8



TEST NUMBER: P935220

CATALOG NUMBER: SQ4-FA-100U-100D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	861.9	553.2	540.2	488.3	436.4
115°	869.8	609.9	597.9	550.0	502.2
117.5°	886.0	664.9	654.1	610.6	567.1
120°	899.2	696.9	686.8	645.9	605.0
122.5°	918.0	734.8	724.5	683.2	641.9
125°	943.5	783.3	773.9	736.3	698.6
127.5°	969.0	830.1	820.6	782.6	744.7
130°	987.6	861.3	851.1	810.2	769.3
132.5°	1002.7	886.8	876.6	835.7	794.7
135°	1019.2	916.5	907.2	869.8	832.6
137.5°	1043.8	954.2	945.0	908.1	871.2
140°	1058.8	979.7	971.2	937.2	903.2
142.5°	1071.5	998.6	990.8	959.3	927.9
145°	1088.0	1027.4	1020.6	993.1	965.8
147.5°	1112.1	1063.6	1056.9	1030.2	1003.5
150°	1124.6	1082.5	1076.4	1052.3	1028.2
152.5°	1132.8	1094.8	1090.3	1072.0	1053.7
155°	1150.9	1121.9	1118.5	1105.0	1091.4
157.5°	1169.0	1149.0	1145.8	1132.5	1119.4
160°	1177.3	1161.4	1158.8	1148.6	1138.4
162.5°	1186.0	1174.5	1172.7	1165.0	1157.2
165°	1198.6	1193.4	1191.6	1184.7	1177.8
167.5°	1208.4	1204.1	1203.3	1199.9	1196.7
170°	1216.7	1216.4	1215.6	1212.3	1209.0
172.5°	1217.2	1217.2	1217.0	1216.3	1215.6
175°	1222.2	1224.6	1224.6	1224.6	1224.6
177.5°	1222.7	1224.6	1224.6	1224.6	1224.6
180°	1224.6	1224.6	1224.6	1224.6	1224.6



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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	13.42	14.26	14.40	15.25	16.56	16.26	17.10	17.24	18.09	19.40
	3H	13.90	14.65	14.89	15.65	16.98	17.61	18.36	18.60	19.36	20.69
	4H	14.09	14.80	15.09	15.80	17.14	18.05	18.76	19.05	19.77	21.10
	6H	14.21	14.86	15.22	15.87	17.22	18.34	18.99	19.35	20.00	21.35
	8H	14.21	14.83	15.23	15.86	17.20	18.41	19.04	19.43	20.06	21.41
	12H	14.18	14.77	15.20	15.79	17.16	18.45	19.04	19.48	20.06	21.43
4H	2H	14.45	15.16	15.46	16.17	17.51	16.67	17.38	17.68	18.38	19.72
	3H	15.48	16.07	16.50	17.11	18.46	18.17	18.76	19.19	19.80	21.15
	4H	15.75	16.30	16.78	17.32	18.70	18.70	19.24	19.73	20.27	21.64
	6H	15.88	16.34	16.91	17.39	18.76	19.07	19.53	20.10	20.58	21.95
	8H	15.88	16.32	16.92	17.36	18.75	19.17	19.61	20.21	20.65	22.04
	12H	15.85	16.24	16.90	17.30	18.69	19.23	19.62	20.29	20.68	22.07
8H	4H	16.21	16.64	17.24	17.68	19.07	18.82	19.26	19.86	20.30	21.69
	6H	16.47	16.83	17.53	17.91	19.29	19.26	19.62	20.32	20.70	22.09
	8H	16.51	16.83	17.58	17.89	19.30	19.41	19.73	20.48	20.80	22.20
	12H	16.49	16.77	17.57	17.83	19.28	19.51	19.79	20.59	20.85	22.30
12H	4H	16.21	16.61	17.27	17.66	19.05	18.79	19.18	19.84	20.24	21.63
	6H	16.53	16.85	17.60	17.91	19.32	19.26	19.57	20.33	20.64	22.04
	8H	16.59	16.87	17.67	17.94	19.38	19.42	19.70	20.49	20.76	22.20