

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: P935020

Luminaire Tested: SQ4-FA-100U-050D-840-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935020
REPORT IS A COMBINATION OF REPORTS P933740 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-050D-840-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

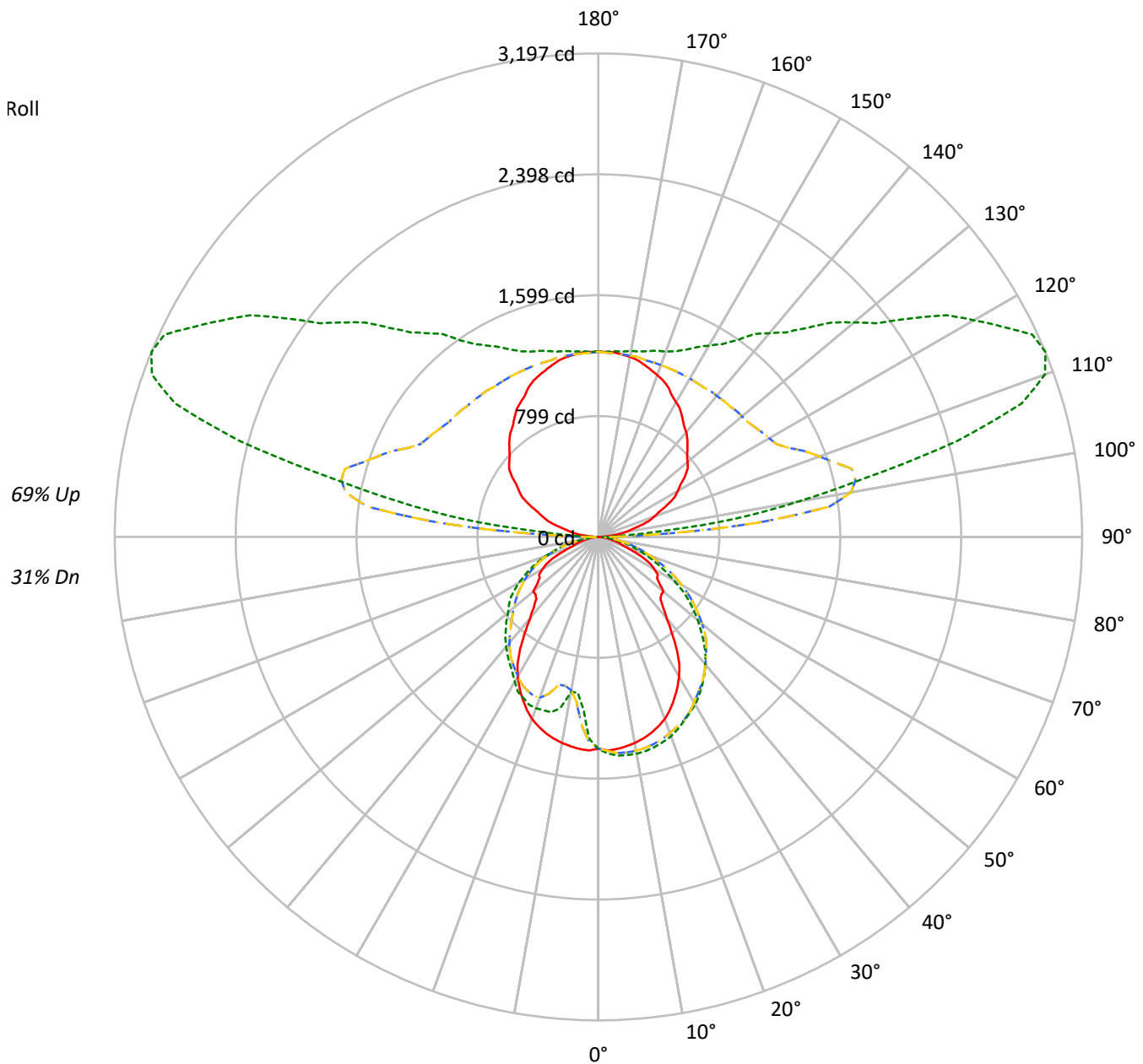
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11575.4 lumens
Efficiency: N/A
Efficacy: 140.5 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 82.4
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



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	39	39	39	31
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	35	34	33	35	34	33	27
2	85	78	72	67	76	70	65	61	56	53	50	43	40	38	30	29	28	30	29	28	22
3	78	69	62	56	70	62	56	51	49	45	42	38	35	32	27	25	24	27	25	24	19
4	71	61	53	47	64	55	48	43	44	39	35	34	30	28	24	22	20	24	22	20	16
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	22	19	18	14
6	60	48	40	35	54	44	37	32	35	30	26	27	24	21	20	17	15	20	17	15	12
7	55	43	36	30	49	39	33	28	32	27	23	25	21	18	18	15	14	18	15	14	11
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	16	14	12	10
9	47	36	28	23	43	32	26	22	26	21	18	20	17	15	15	13	11	15	13	11	9
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6499	6499	6499	6499
5°	6548	6560	6548	5158
10°	6504	6462	6504	4620
15°	6433	6322	6433	5279
20°	6298	6156	6298	5290
25°	6023	5914	6023	5178
30°	5667	5714	5667	4932
35°	5052	5460	5052	4661
40°	4210	5161	4210	4457
45°	3761	4810	3761	4222
50°	3996	4393	3996	3986
55°	3760	3943	3760	3850
60°	3876	3349	3876	3526
65°	3513	2769	3513	3094
70°	2433	2207	2433	2594
75°	2134	1631	2134	1953
80°	1719	1078	1719	1173
85°	987	572	987	486

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5765 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.4	1.1
10°-20°	359.0	3.1
20°-30°	555.0	4.8
30°-40°	662.5	5.7
40°-50°	666.4	5.8
50°-60°	579.8	5.0
60°-70°	411.1	3.6
70°-80°	217.5	1.9
80°-90°	58.8	0.5
90°-100°	597.0	5.2
100°-110°	1569.4	13.6
110°-120°	1627.3	14.1
120°-130°	1305.3	11.3
130°-140°	1024.2	8.8
140°-150°	786.1	6.8
150°-160°	566.1	4.9
160°-170°	346.4	3.0
170°-180°	117.0	1.0
0°-30°	1040.4	9.0
0°-40°	1702.9	14.7
0°-60°	2949.1	25.5
0°-90°	3636.6	31.4
90°-120°	3793.7	32.8
90°-150°	6909.3	59.7
90°-180°	7939.0	68.6
0°-180°	11575.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1401	1401	1401	1401	1401	
5°	1407	1451	1407	1141	1407	134
15°	1344	1438	1344	1201	1344	378
25°	1183	1341	1183	1174	1183	543
35°	900	1197	900	1022	900	557
45°	580	986	580	865	580	465
55°	473	728	473	710	473	435
65°	329	439	329	490	329	314
75°	125	208	125	249	125	131
85°	21	53	21	45	21	29
90°	8	31	8	31	8	8
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°	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8
2.5°	1412.6	1412.6	1420.6	1423.3	1423.3	1419.3	1415.3	1419.3	1431.2	1435.2	1433.9
5°	1407.4	1418.0	1432.6	1435.2	1437.8	1436.6	1433.9	1436.6	1449.8	1452.5	1453.7
7.5°	1396.7	1416.7	1435.2	1439.2	1443.2	1439.2	1437.8	1440.5	1453.7	1456.4	1456.4
10°	1383.5	1411.4	1432.6	1435.2	1439.2	1435.2	1435.2	1440.5	1453.7	1456.4	1457.7
12.5°	1364.9	1403.4	1423.3	1425.9	1431.2	1429.9	1428.5	1433.9	1447.1	1449.8	1449.8
15°	1343.8	1388.8	1407.4	1410.0	1419.3	1416.7	1416.7	1421.9	1436.6	1440.5	1439.2
17.5°	1314.6	1370.3	1391.5	1395.5	1402.1	1400.8	1402.1	1407.4	1420.6	1423.3	1424.6
20°	1281.4	1345.1	1370.3	1374.2	1380.8	1380.8	1380.8	1387.4	1400.8	1406.0	1406.0
22.5°	1236.4	1318.6	1345.1	1347.7	1355.7	1355.7	1358.3	1367.6	1379.5	1380.8	1380.8
25°	1183.4	1289.4	1312.0	1319.9	1327.9	1331.8	1335.8	1341.1	1345.1	1343.8	1345.1
27.5°	1127.8	1252.3	1281.4	1286.8	1297.3	1301.4	1306.6	1308.0	1309.3	1313.2	1310.7
30°	1065.5	1200.6	1244.4	1249.7	1266.9	1269.6	1264.2	1266.9	1273.5	1276.2	1278.9
32.5°	995.2	1123.8	1206.0	1217.9	1233.8	1225.8	1224.5	1228.5	1239.1	1239.1	1241.7
35°	899.8	1064.2	1170.2	1180.8	1192.7	1183.4	1188.8	1190.0	1196.7	1200.6	1199.3
37.5°	795.1	1012.5	1133.0	1141.0	1150.3	1138.4	1146.3	1150.3	1155.6	1152.9	1152.9
40°	702.4	931.6	1089.4	1094.6	1102.6	1093.3	1101.2	1103.9	1106.6	1103.9	1102.6
42.5°	633.4	842.9	1042.9	1049.6	1044.2	1050.9	1053.5	1058.8	1054.9	1049.6	1049.6
45°	580.4	819.0	992.5	1000.5	992.5	1003.2	1007.2	1007.2	995.2	992.5	991.3
47.5°	563.3	771.2	942.3	942.3	938.2	951.5	958.2	948.9	936.9	933.0	933.0
50°	561.9	718.3	873.3	868.1	886.5	902.4	895.8	886.5	877.2	862.7	862.7
52.5°	510.2	653.4	784.6	804.4	833.6	842.9	832.2	823.0	807.1	800.4	795.1
55°	473.1	585.8	703.7	743.5	773.9	785.9	766.0	756.7	732.8	728.8	726.2
57.5°	465.2	487.7	629.5	679.8	716.9	715.6	703.7	686.5	666.6	662.7	661.3
60°	426.7	352.5	549.9	609.6	648.0	644.1	633.4	617.5	599.0	596.4	593.7
62.5°	387.0	255.8	459.8	527.4	581.7	580.4	571.2	547.4	534.0	527.4	522.2
65°	328.6	214.7	327.3	438.7	516.8	519.5	499.6	482.3	467.8	459.8	458.5
67.5°	250.5	175.0	221.3	365.8	454.6	451.9	426.7	418.8	400.2	396.3	388.3
70°	185.5	116.6	153.7	296.9	393.6	387.0	367.0	357.9	340.6	331.3	326.0
72.5°	153.7	94.1	112.6	230.6	331.3	323.4	306.1	295.5	281.0	273.0	267.6
75°	124.6	99.4	86.2	170.9	269.0	263.7	247.8	237.2	225.3	214.7	216.0
77.5°	91.5	92.8	68.9	125.9	213.4	205.4	196.1	182.9	177.5	167.0	167.0
80°	68.9	72.9	51.7	86.2	153.7	153.7	145.7	136.5	127.3	121.9	121.9
82.5°	46.3	46.3	38.4	54.3	104.7	100.7	95.4	92.8	87.4	84.8	84.8
85°	21.2	26.5	23.8	33.1	57.0	59.7	59.7	57.0	55.6	53.1	54.3
87.5°	6.6	12.0	14.6	18.6	29.1	30.5	31.8	31.8	31.8	33.1	33.1
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°	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8
2.5°	1436.6	1432.6	1436.6	1433.9	1435.2	1431.2	1419.3	1415.3	1419.3	1423.3	1423.3
5°	1453.7	1451.1	1453.7	1453.7	1452.5	1449.8	1436.6	1433.9	1436.6	1437.8	1435.2
7.5°	1459.1	1455.1	1459.1	1456.4	1456.4	1453.7	1440.5	1437.8	1439.2	1443.2	1439.2
10°	1459.1	1455.1	1459.1	1457.7	1456.4	1453.7	1440.5	1435.2	1435.2	1439.2	1435.2
12.5°	1452.5	1449.8	1452.5	1449.8	1449.8	1447.1	1433.9	1428.5	1429.9	1431.2	1425.9
15°	1441.8	1437.8	1441.8	1439.2	1440.5	1436.6	1421.9	1416.7	1416.7	1419.3	1410.0
17.5°	1425.9	1420.6	1425.9	1424.6	1423.3	1420.6	1407.4	1402.1	1400.8	1402.1	1395.5
20°	1407.4	1403.4	1407.4	1406.0	1406.0	1400.8	1387.4	1380.8	1380.8	1380.8	1374.2
22.5°	1378.3	1374.2	1378.3	1380.8	1380.8	1379.5	1367.6	1358.3	1355.7	1355.7	1347.7
25°	1345.1	1341.1	1345.1	1345.1	1343.8	1345.1	1341.1	1335.8	1331.8	1327.9	1319.9
27.5°	1313.2	1310.7	1313.2	1310.7	1313.2	1309.3	1308.0	1306.6	1301.4	1297.3	1286.8
30°	1281.4	1278.9	1281.4	1278.9	1276.2	1273.5	1266.9	1264.2	1269.6	1266.9	1249.7
32.5°	1241.7	1239.1	1241.7	1241.7	1239.1	1239.1	1228.5	1224.5	1225.8	1233.8	1217.9
35°	1200.6	1196.7	1200.6	1199.3	1200.6	1196.7	1190.0	1188.8	1183.4	1192.7	1180.8
37.5°	1152.9	1148.9	1152.9	1152.9	1152.9	1155.6	1150.3	1146.3	1138.4	1150.3	1141.0
40°	1103.9	1098.6	1103.9	1102.6	1103.9	1106.6	1103.9	1101.2	1093.3	1102.6	1094.6
42.5°	1048.3	1046.9	1048.3	1049.6	1049.6	1054.9	1058.8	1053.5	1050.9	1044.2	1049.6
45°	988.6	985.9	988.6	991.3	992.5	995.2	1007.2	1007.2	1003.2	992.5	1000.5
47.5°	925.0	918.3	925.0	933.0	933.0	936.9	948.9	958.2	951.5	938.2	942.3
50°	857.4	858.8	857.4	862.7	862.7	877.2	886.5	895.8	902.4	886.5	868.1
52.5°	791.2	789.8	791.2	795.1	800.4	807.1	823.0	832.2	842.9	833.6	804.4
55°	724.9	727.6	724.9	726.2	728.8	732.8	756.7	766.0	785.9	773.9	743.5
57.5°	658.6	654.6	658.6	661.3	662.7	666.6	686.5	703.7	715.6	716.9	679.8
60°	581.7	576.5	581.7	593.7	596.4	599.0	617.5	633.4	644.1	648.0	609.6
62.5°	514.2	504.9	514.2	522.2	527.4	534.0	547.4	571.2	580.4	581.7	527.4
65°	442.6	438.7	442.6	458.5	459.8	467.8	482.3	499.6	519.5	516.8	438.7
67.5°	377.7	377.7	377.7	388.3	396.3	400.2	418.8	426.7	451.9	454.6	365.8
70°	318.0	316.8	318.0	326.0	331.3	340.6	357.9	367.0	387.0	393.6	296.9
72.5°	261.0	259.7	261.0	267.6	273.0	281.0	295.5	306.1	323.4	331.3	230.6
75°	210.7	208.1	210.7	216.0	214.7	225.3	237.2	247.8	263.7	269.0	170.9
77.5°	161.6	161.6	161.6	167.0	167.0	177.5	182.9	196.1	205.4	213.4	125.9
80°	120.6	119.3	120.6	121.9	121.9	127.3	136.5	145.7	153.7	153.7	86.2
82.5°	84.8	82.2	84.8	84.8	84.8	87.4	92.8	95.4	100.7	104.7	54.3
85°	53.1	53.1	53.1	54.3	53.1	55.6	57.0	59.7	59.7	57.0	33.1
87.5°	34.5	33.1	34.5	33.1	33.1	31.8	31.8	31.8	30.5	29.1	18.6
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°	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8
2.5°	1420.6	1412.6	1412.6	1399.4	1394.2	1390.1	1383.5	1363.6	1358.3	1353.1	1361.0
5°	1432.6	1418.0	1407.4	1383.5	1363.6	1355.7	1330.5	1282.8	1251.0	1227.1	1213.9
7.5°	1435.2	1416.7	1396.7	1359.7	1312.0	1290.7	1213.9	1126.4	1102.6	1081.4	1068.1
10°	1432.6	1411.4	1383.5	1327.9	1215.2	1178.1	1101.2	1044.2	1029.7	1025.7	1029.7
12.5°	1423.3	1403.4	1364.9	1272.2	1114.5	1089.4	1044.2	1011.1	1008.5	1015.1	1050.9
15°	1407.4	1388.8	1343.8	1198.0	1058.8	1040.3	1008.5	996.6	1011.1	1057.6	1164.9
17.5°	1391.5	1370.3	1314.6	1125.1	1016.5	1003.2	980.7	1004.5	1086.7	1148.9	1184.7
20°	1370.3	1345.1	1281.4	1072.1	985.9	974.1	963.4	1070.8	1133.0	1155.6	1175.4
22.5°	1345.1	1318.6	1236.4	1035.0	954.1	944.9	951.5	1107.8	1133.0	1148.9	1166.1
25°	1312.0	1289.4	1183.4	1005.9	929.0	918.3	943.5	1103.9	1118.5	1122.5	1156.9
27.5°	1281.4	1252.3	1127.8	979.3	898.5	894.5	950.2	1086.7	1097.3	1101.2	1138.4
30°	1244.4	1200.6	1065.5	951.5	866.7	865.4	951.5	1065.5	1062.8	1073.5	1110.5
32.5°	1206.0	1123.8	995.2	917.1	836.2	834.9	942.3	1033.6	1031.0	1045.6	1073.5
35°	1170.2	1064.2	899.8	877.2	797.8	799.1	919.7	996.6	997.9	1011.1	1028.4
37.5°	1133.0	1012.5	795.1	833.6	760.7	760.7	889.2	962.1	959.4	963.4	987.3
40°	1089.4	931.6	702.4	776.6	726.2	722.2	852.2	925.0	915.7	914.4	947.5
42.5°	1042.9	842.9	633.4	701.1	686.5	681.1	807.1	879.9	862.7	866.7	909.1
45°	992.5	819.0	580.4	592.4	645.4	641.4	758.0	828.2	816.3	827.0	870.6
47.5°	942.3	771.2	563.3	491.6	601.7	600.3	703.7	777.9	771.2	781.9	828.2
50°	873.3	718.3	561.9	421.4	552.6	557.9	638.7	728.8	728.8	738.1	787.1
52.5°	784.6	653.4	510.2	381.7	495.6	511.5	581.7	686.5	689.1	698.4	742.1
55°	703.7	585.8	473.1	351.1	428.0	462.5	526.1	642.7	648.0	657.3	697.0
57.5°	629.5	487.7	465.2	315.4	365.8	398.9	477.1	600.3	603.0	610.9	649.3
60°	549.9	352.5	426.7	276.9	311.4	336.6	432.1	549.9	559.2	564.5	597.6
62.5°	459.8	255.8	387.0	250.5	284.9	290.2	394.9	502.3	514.2	518.2	538.1
65°	327.3	214.7	328.6	227.9	257.1	258.5	355.2	453.2	463.9	470.5	485.0
67.5°	221.3	175.0	250.5	206.7	235.9	237.2	316.8	396.3	410.8	416.1	425.4
70°	153.7	116.6	185.5	184.2	212.0	214.7	275.7	344.5	357.9	361.8	367.0
72.5°	112.6	94.1	153.7	165.7	186.8	189.5	233.3	286.2	299.5	303.5	306.1
75°	86.2	99.4	124.6	144.4	159.1	160.4	190.8	233.3	242.6	245.1	246.5
77.5°	68.9	92.8	91.5	116.6	129.8	127.3	149.8	180.2	188.2	188.2	188.2
80°	51.7	72.9	68.9	83.5	95.4	92.8	107.3	128.5	131.2	133.9	132.5
82.5°	38.4	46.3	46.3	53.1	63.6	61.0	71.5	83.5	83.5	83.5	86.2
85°	23.8	26.5	21.2	27.9	35.8	34.5	39.7	45.1	46.3	46.3	43.8
87.5°	14.6	12.0	6.6	10.6	15.9	15.9	18.6	19.9	18.6	18.6	18.6
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°	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8
2.5°	1351.7	1347.7	1353.1	1338.4	1353.1	1347.7	1351.7	1361.0	1353.1	1358.3	1363.6
5°	1186.1	1179.5	1158.2	1141.0	1158.2	1179.5	1186.1	1213.9	1227.1	1251.0	1282.8
7.5°	1060.1	1054.9	1049.6	1039.0	1049.6	1054.9	1060.1	1068.1	1081.4	1102.6	1126.4
10°	1032.4	1033.6	1041.6	1040.3	1041.6	1033.6	1032.4	1029.7	1025.7	1029.7	1044.2
12.5°	1103.9	1115.8	1159.5	1156.9	1159.5	1115.8	1103.9	1050.9	1015.1	1008.5	1011.1
15°	1186.1	1190.0	1199.3	1200.6	1199.3	1190.0	1186.1	1164.9	1057.6	1011.1	996.6
17.5°	1194.0	1195.4	1202.0	1202.0	1202.0	1195.4	1194.0	1184.7	1148.9	1086.7	1004.5
20°	1187.4	1190.0	1203.3	1206.0	1203.3	1190.0	1187.4	1175.4	1155.6	1133.0	1070.8
22.5°	1184.7	1190.0	1200.6	1199.3	1200.6	1190.0	1184.7	1166.1	1148.9	1133.0	1107.8
25°	1171.5	1171.5	1172.9	1174.1	1172.9	1171.5	1171.5	1156.9	1122.5	1118.5	1103.9
27.5°	1143.6	1146.3	1154.3	1152.9	1154.3	1146.3	1143.6	1138.4	1101.2	1097.3	1086.7
30°	1118.5	1115.8	1109.2	1103.9	1109.2	1115.8	1118.5	1110.5	1073.5	1062.8	1065.5
32.5°	1076.0	1069.4	1062.8	1058.8	1062.8	1069.4	1076.0	1073.5	1045.6	1031.0	1033.6
35°	1025.7	1027.0	1025.7	1021.7	1025.7	1027.0	1025.7	1028.4	1011.1	997.9	996.6
37.5°	990.0	992.5	991.3	985.9	991.3	992.5	990.0	987.3	963.4	959.4	962.1
40°	952.8	954.1	952.8	948.9	952.8	954.1	952.8	947.5	914.4	915.7	925.0
42.5°	917.1	915.7	911.7	909.1	911.7	915.7	917.1	909.1	866.7	862.7	879.9
45°	876.0	877.2	869.3	865.4	869.3	877.2	876.0	870.6	827.0	816.3	828.2
47.5°	834.9	834.9	828.2	824.3	828.2	834.9	834.9	828.2	781.9	771.2	777.9
50°	791.2	789.8	780.5	779.2	780.5	789.8	791.2	787.1	738.1	728.8	728.8
52.5°	740.8	740.8	742.1	744.8	742.1	740.8	740.8	742.1	698.4	689.1	686.5
55°	697.0	698.4	707.7	710.3	707.7	698.4	697.0	697.0	657.3	648.0	642.7
57.5°	652.0	652.0	658.6	658.6	658.6	652.0	652.0	649.3	610.9	603.0	600.3
60°	600.3	603.0	608.3	606.9	608.3	603.0	600.3	597.6	564.5	559.2	549.9
62.5°	546.0	548.6	549.9	547.4	549.9	548.6	546.0	538.1	518.2	514.2	502.3
65°	489.0	491.6	493.0	490.3	493.0	491.6	489.0	485.0	470.5	463.9	453.2
67.5°	430.7	429.4	428.0	433.3	428.0	429.4	430.7	425.4	416.1	410.8	396.3
70°	371.1	371.1	369.7	372.4	369.7	371.1	371.1	367.0	361.8	357.9	344.5
72.5°	307.5	306.1	311.4	307.5	311.4	306.1	307.5	306.1	303.5	299.5	286.2
75°	245.1	247.8	245.1	249.2	245.1	247.8	245.1	246.5	245.1	242.6	233.3
77.5°	186.8	189.5	186.8	186.8	186.8	189.5	186.8	188.2	188.2	188.2	180.2
80°	132.5	131.2	131.2	129.8	131.2	131.2	132.5	132.5	133.9	131.2	128.5
82.5°	84.8	83.5	83.5	86.2	83.5	83.5	84.8	86.2	83.5	83.5	83.5
85°	46.3	47.7	45.1	45.1	45.1	47.7	46.3	43.8	46.3	46.3	45.1
87.5°	17.2	15.9	15.9	15.9	15.9	15.9	17.2	18.6	18.6	18.6	19.9
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°	1400.8	1400.8	1400.8	1400.8	1400.8
2.5°	1383.5	1390.1	1394.2	1399.4	1412.6
5°	1330.5	1355.7	1363.6	1383.5	1407.4
7.5°	1213.9	1290.7	1312.0	1359.7	1396.7
10°	1101.2	1178.1	1215.2	1327.9	1383.5
12.5°	1044.2	1089.4	1114.5	1272.2	1364.9
15°	1008.5	1040.3	1058.8	1198.0	1343.8
17.5°	980.7	1003.2	1016.5	1125.1	1314.6
20°	963.4	974.1	985.9	1072.1	1281.4
22.5°	951.5	944.9	954.1	1035.0	1236.4
25°	943.5	918.3	929.0	1005.9	1183.4
27.5°	950.2	894.5	898.5	979.3	1127.8
30°	951.5	865.4	866.7	951.5	1065.5
32.5°	942.3	834.9	836.2	917.1	995.2
35°	919.7	799.1	797.8	877.2	899.8
37.5°	889.2	760.7	760.7	833.6	795.1
40°	852.2	722.2	726.2	776.6	702.4
42.5°	807.1	681.1	686.5	701.1	633.4
45°	758.0	641.4	645.4	592.4	580.4
47.5°	703.7	600.3	601.7	491.6	563.3
50°	638.7	557.9	552.6	421.4	561.9
52.5°	581.7	511.5	495.6	381.7	510.2
55°	526.1	462.5	428.0	351.1	473.1
57.5°	477.1	398.9	365.8	315.4	465.2
60°	432.1	336.6	311.4	276.9	426.7
62.5°	394.9	290.2	284.9	250.5	387.0
65°	355.2	258.5	257.1	227.9	328.6
67.5°	316.8	237.2	235.9	206.7	250.5
70°	275.7	214.7	212.0	184.2	185.5
72.5°	233.3	189.5	186.8	165.7	153.7
75°	190.8	160.4	159.1	144.4	124.6
77.5°	149.8	127.3	129.8	116.6	91.5
80°	107.3	92.8	95.4	83.5	68.9
82.5°	71.5	61.0	63.6	53.1	46.3
85°	39.7	34.5	35.8	27.9	21.2
87.5°	18.6	15.9	15.9	10.6	6.6
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: P935020

CATALOG NUMBER: SQ4-FA-100U-050D-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	9.29	10.00	10.39	11.10	12.62	12.12	12.84	13.23	13.94	15.45
	3H	9.75	10.39	10.86	11.50	13.03	13.46	14.10	14.57	15.21	16.74
	4H	9.94	10.54	11.06	11.65	13.19	13.90	14.51	15.02	15.62	17.15
	6H	10.05	10.61	11.18	11.72	13.27	14.18	14.74	15.31	15.85	17.40
	8H	10.04	10.58	11.18	11.70	13.24	14.25	14.78	15.38	15.91	17.45
	12H	10.01	10.52	11.15	11.64	13.20	14.28	14.79	15.42	15.91	17.47
4H	2H	10.30	10.91	11.43	12.02	13.56	12.51	13.12	13.64	14.23	15.77
	3H	11.32	11.82	12.45	12.96	14.51	14.01	14.52	15.14	15.65	17.20
	4H	11.59	12.05	12.72	13.18	14.74	14.53	15.00	15.67	16.12	17.69
	6H	11.70	12.10	12.85	13.25	14.81	14.89	15.29	16.04	16.44	18.00
	8H	11.70	12.08	12.85	13.22	14.79	15.00	15.37	16.14	16.51	18.08
	12H	11.66	12.00	12.82	13.15	14.73	15.05	15.38	16.21	16.53	18.12
8H	4H	12.03	12.40	13.17	13.54	15.12	14.64	15.02	15.79	16.16	17.73
	6H	12.28	12.59	13.45	13.77	15.35	15.08	15.38	16.24	16.56	18.14
	8H	12.33	12.59	13.50	13.75	15.35	15.23	15.50	16.40	16.66	18.25
	12H	12.30	12.54	13.48	13.69	15.32	15.32	15.56	16.50	16.71	18.34
12H	4H	12.03	12.37	13.19	13.52	15.10	14.60	14.94	15.76	16.09	17.67
	6H	12.34	12.61	13.51	13.77	15.37	15.07	15.34	16.24	16.50	18.09
	8H	12.40	12.64	13.58	13.80	15.42	15.23	15.46	16.40	16.62	18.25