

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: P935448

Luminaire Tested: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-8-6500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935448
REPORT IS A COMBINATION OF REPORTS P933756 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-8-6500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

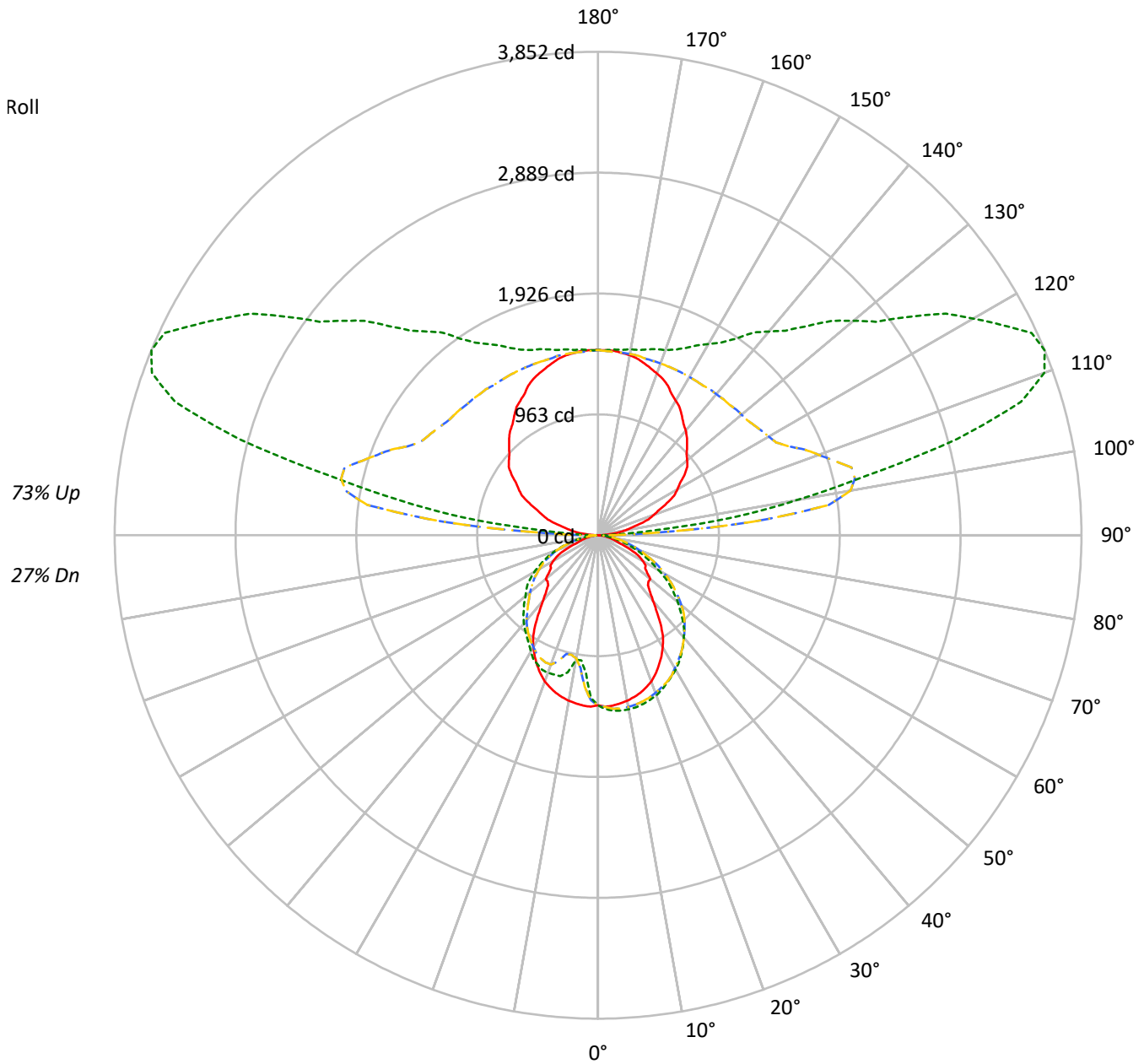
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13084.5 lumens
Efficiency: N/A
Efficacy: 137.4 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): 95.2
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										
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	50	30	10	0														
RCR																																						
0	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35	27						27														
1	93	88	85	81	83	79	76	73	62	60	58	46	44	43	31	30	29	23						23														
2	84	77	71	66	75	69	64	60	54	51	48	40	38	36	27	26	25	19						19														
3	77	68	61	55	68	61	55	50	48	43	40	35	33	30	24	22	21	16						16														
4	70	60	52	47	62	54	47	42	42	38	34	31	28	26	21	20	18	14						14														
5	64	53	45	40	57	48	41	36	38	33	29	28	25	22	19	17	16	12						12														
6	59	48	40	34	53	43	36	31	34	29	25	25	22	19	17	15	14	10						10														
7	55	43	35	30	49	38	32	27	30	26	22	23	20	17	16	14	12	9						9														
8	50	39	31	26	45	35	28	24	28	23	19	21	18	15	15	12	11	8						8														
9	47	35	28	23	42	32	25	21	25	21	17	19	16	14	13	11	10	7						7														
10	44	32	25	20	39	29	23	19	23	19	15	18	14	12	12	10	9	7						7														

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6290	6290	6290	6290
5°	6337	6349	6337	4992
10°	6294	6254	6294	4471
15°	6226	6118	6226	5109
20°	6096	5958	6096	5120
25°	5829	5724	5829	5011
30°	5485	5530	5485	4773
35°	4889	5284	4889	4511
40°	4075	4994	4075	4314
45°	3641	4656	3641	4086
50°	3868	4252	3868	3858
55°	3638	3816	3638	3726
60°	3751	3241	3751	3412
65°	3400	2679	3400	2995
70°	2355	2136	2355	2510
75°	2066	1579	2066	1891
80°	1662	1043	1662	1135
85°	960	553	960	470

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5579 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.4	0.9
10°-20°	347.4	2.7
20°-30°	537.1	4.1
30°-40°	641.2	4.9
40°-50°	644.9	4.9
50°-60°	561.2	4.3
60°-70°	397.9	3.0
70°-80°	210.5	1.6
80°-90°	58.1	0.4
90°-100°	719.2	5.5
100°-110°	1890.7	14.4
110°-120°	1960.4	15.0
120°-130°	1572.5	12.0
130°-140°	1233.8	9.4
140°-150°	947.0	7.2
150°-160°	682.0	5.2
160°-170°	417.3	3.2
170°-180°	141.0	1.1
0°-30°	1006.9	7.7
0°-40°	1648.1	12.6
0°-60°	2854.2	21.8
0°-90°	3520.6	26.9
90°-120°	4570.3	34.9
90°-150°	8323.6	63.6
90°-180°	9564.0	73.1
0°-180°	13084.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1356	1356	1356	1356	1356	
5°	1362	1404	1362	1104	1362	129
15°	1300	1392	1300	1162	1300	366
25°	1145	1298	1145	1136	1145	526
35°	871	1158	871	989	871	539
45°	562	954	562	838	562	450
55°	458	704	458	687	458	421
65°	318	424	318	475	318	304
75°	121	201	121	241	121	127
85°	21	51	21	44	21	28
90°	10	38	10	38	10	9
95°	95	435	95	435	95	106
105°	341	2961	341	2961	341	361
115°	605	3812	605	3812	605	598
125°	842	3036	842	3036	842	747
135°	1003	2356	1003	2356	1003	776
145°	1163	1911	1163	1911	1163	729
155°	1315	1646	1315	1646	1315	604
165°	1419	1533	1419	1533	1419	400
175°	1475	1485	1475	1485	1475	140
180°	1475	1475	1475	1475	1475	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7
2.5°	1367.2	1367.2	1374.9	1377.5	1377.5	1373.6	1369.7	1373.6	1385.1	1389.0	1387.7
5°	1362.1	1372.3	1386.5	1389.0	1391.5	1390.3	1387.7	1390.3	1403.1	1405.7	1406.9
7.5°	1351.8	1371.1	1389.0	1392.9	1396.7	1392.9	1391.5	1394.1	1406.9	1409.5	1409.5
10°	1339.0	1365.9	1386.5	1389.0	1392.9	1389.0	1389.0	1394.1	1406.9	1409.5	1410.8
12.5°	1321.0	1358.2	1377.5	1380.0	1385.1	1383.9	1382.6	1387.7	1400.5	1403.1	1403.1
15°	1300.5	1344.1	1362.1	1364.6	1373.6	1371.1	1371.1	1376.2	1390.3	1394.1	1392.9
17.5°	1272.3	1326.1	1346.7	1350.5	1356.9	1355.7	1356.9	1362.1	1374.9	1377.5	1378.7
20°	1240.2	1301.8	1326.1	1330.0	1336.4	1336.4	1336.4	1342.8	1355.7	1360.8	1360.8
22.5°	1196.6	1276.1	1301.8	1304.3	1312.1	1312.1	1314.6	1323.6	1335.1	1336.4	1336.4
25°	1145.3	1247.9	1269.7	1277.4	1285.1	1288.9	1292.8	1297.9	1301.8	1300.5	1301.8
27.5°	1091.5	1212.0	1240.2	1245.3	1255.6	1259.5	1264.6	1265.9	1267.1	1271.0	1268.5
30°	1031.2	1162.0	1204.3	1209.5	1226.1	1228.7	1223.5	1226.1	1232.5	1235.1	1237.7
32.5°	963.2	1087.6	1167.1	1178.7	1194.1	1186.3	1185.1	1188.9	1199.2	1199.2	1201.7
35°	870.8	1029.9	1132.5	1142.7	1154.3	1145.3	1150.5	1151.7	1158.1	1162.0	1160.7
37.5°	769.5	979.9	1096.6	1104.3	1113.3	1101.7	1109.4	1113.3	1118.4	1115.8	1115.8
40°	679.8	901.6	1054.3	1059.4	1067.1	1058.1	1065.8	1068.4	1070.9	1068.4	1067.1
42.5°	613.0	815.7	1009.4	1015.8	1010.6	1017.1	1019.6	1024.8	1020.9	1015.8	1015.8
45°	561.8	792.6	960.6	968.3	960.6	970.9	974.7	974.7	963.2	960.6	959.3
47.5°	545.1	746.4	911.9	911.9	908.0	920.9	927.3	918.3	906.8	902.9	902.9
50°	543.8	695.2	845.2	840.1	858.0	873.4	867.0	858.0	849.0	834.9	834.9
52.5°	493.8	632.3	759.3	778.5	806.7	815.7	805.4	796.5	781.1	774.6	769.5
55°	457.8	566.9	681.0	719.5	749.0	760.6	741.3	732.3	709.2	705.4	702.8
57.5°	450.2	472.0	609.2	658.0	693.8	692.6	681.0	664.4	645.1	641.3	640.0
60°	413.0	341.2	532.2	590.0	627.2	623.3	613.0	597.6	579.7	577.2	574.6
62.5°	374.5	247.6	445.0	510.4	563.0	561.8	552.8	529.7	516.8	510.4	505.3
65°	318.0	207.8	316.8	424.5	500.2	502.8	483.5	466.8	452.8	445.0	443.8
67.5°	242.4	169.3	214.2	354.0	439.9	437.4	413.0	405.3	387.4	383.5	375.8
70°	179.6	112.8	148.8	287.3	380.9	374.5	355.2	346.3	329.6	320.6	315.5
72.5°	148.8	91.0	109.0	223.2	320.6	313.0	296.2	286.0	271.9	264.2	259.0
75°	120.6	96.2	83.4	165.4	260.4	255.2	239.8	229.6	218.0	207.8	209.0
77.5°	88.5	89.8	66.6	121.8	206.5	198.8	189.8	177.0	171.8	161.6	161.6
80°	66.6	70.6	50.0	83.4	148.8	148.8	141.0	132.1	123.2	118.0	118.0
82.5°	44.8	44.8	37.2	52.6	101.4	97.4	92.4	89.8	84.6	82.0	82.0
85°	20.6	25.6	23.0	32.0	55.2	57.8	57.8	55.2	53.8	51.3	52.6
87.5°	6.4	11.6	14.2	18.0	28.2	29.5	30.8	30.8	30.8	32.0	32.0
90°	9.9	17.9	25.7	27.7	43.6	64.7	75.3	66.8	50.1	37.6	37.6
92.5°	39.6	106.9	174.3	191.1	268.7	372.1	423.8	371.4	266.7	188.1	180.6
95°	95.0	218.3	341.6	372.3	661.1	1046.2	1238.7	1105.4	838.7	638.6	616.0
97.5°	164.4	273.1	381.8	409.0	890.5	1532.6	1853.6	1769.3	1600.8	1474.4	1431.2
100°	217.8	316.4	415.0	439.7	974.0	1686.4	2042.7	2048.8	2061.2	2070.4	2019.1
102.5°	263.3	355.3	447.3	470.4	1012.3	1734.9	2096.2	2203.5	2418.3	2579.3	2535.3
105°	340.6	418.5	496.4	515.9	1040.6	1740.4	2090.2	2330.9	2812.4	3173.4	3149.8
107.5°	419.9	492.4	565.0	583.2	1045.9	1662.9	1971.4	2307.2	2978.7	3482.4	3488.1
110°	473.3	538.9	604.5	620.9	1038.0	1594.3	1872.4	2247.8	2998.5	3561.5	3586.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	525.8	588.2	650.8	666.4	1038.3	1534.3	1782.2	2166.4	2934.7	3511.0	3548.9
115°	605.0	662.6	720.2	734.6	1047.9	1465.6	1674.4	2044.4	2784.6	3339.8	3392.3
117.5°	683.2	735.6	787.9	801.0	1067.4	1422.5	1600.1	1934.1	2602.1	3103.1	3161.4
120°	728.7	778.1	827.3	839.6	1083.2	1408.0	1570.4	1875.6	2485.9	2943.7	3000.2
122.5°	773.3	823.0	872.7	885.1	1105.9	1400.3	1547.6	1822.4	2372.1	2784.3	2840.1
125°	841.6	887.0	932.3	943.6	1136.6	1394.1	1522.8	1756.3	2223.2	2573.4	2624.7
127.5°	897.1	942.9	988.6	1000.1	1167.4	1390.5	1502.1	1702.5	2103.4	2404.1	2447.4
130°	926.7	976.1	1025.3	1037.7	1189.8	1392.7	1494.1	1672.6	2029.5	2297.2	2337.2
132.5°	957.4	1006.8	1056.0	1068.4	1208.0	1394.1	1487.2	1646.9	1966.4	2206.0	2241.9
135°	1003.0	1047.9	1092.8	1104.0	1227.8	1392.8	1475.3	1609.1	1876.6	2077.3	2108.2
137.5°	1049.5	1094.0	1138.4	1149.5	1257.5	1401.4	1473.3	1586.4	1812.7	1982.3	2007.6
140°	1088.1	1129.1	1170.0	1180.2	1275.7	1402.8	1466.4	1564.1	1759.5	1906.1	1929.7
142.5°	1117.9	1155.8	1193.5	1203.0	1290.8	1407.9	1466.4	1552.2	1723.8	1852.5	1872.9
145°	1163.4	1196.4	1229.5	1237.7	1310.7	1407.9	1456.5	1526.7	1667.1	1772.4	1787.8
147.5°	1209.0	1241.1	1273.3	1281.3	1339.7	1417.6	1456.5	1511.7	1622.2	1705.1	1717.8
150°	1238.7	1267.7	1296.8	1304.1	1354.8	1422.6	1456.5	1503.1	1596.5	1666.5	1676.8
152.5°	1269.3	1291.3	1313.3	1318.9	1364.8	1425.9	1456.5	1496.3	1576.0	1635.8	1643.6
155°	1315.0	1331.2	1347.5	1351.6	1386.6	1433.1	1456.5	1488.2	1551.6	1599.1	1604.3
157.5°	1348.6	1364.4	1380.3	1384.2	1408.3	1440.4	1456.5	1481.1	1530.4	1567.4	1571.0
160°	1371.4	1383.7	1396.0	1399.1	1418.2	1443.8	1456.5	1477.6	1519.9	1551.5	1553.6
162.5°	1394.1	1403.3	1412.6	1414.9	1428.7	1447.2	1456.5	1474.3	1509.9	1536.7	1538.7
165°	1418.9	1427.3	1435.6	1437.7	1443.9	1452.3	1456.5	1469.3	1494.8	1513.9	1516.0
167.5°	1441.7	1445.6	1449.6	1450.5	1455.8	1462.9	1466.4	1474.7	1491.5	1504.0	1504.9
170°	1456.5	1460.5	1464.5	1465.5	1465.7	1466.2	1466.4	1474.7	1491.5	1504.0	1504.0
172.5°	1464.4	1465.3	1466.2	1466.4	1466.4	1466.4	1466.4	1473.0	1486.2	1496.2	1495.4
175°	1475.3	1475.3	1475.3	1475.3	1472.3	1468.4	1466.4	1470.6	1478.9	1485.3	1485.3
177.5°	1475.3	1475.3	1475.3	1475.3	1473.0	1470.0	1468.4	1471.7	1478.3	1483.2	1482.4
180°	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7
2.5°	1390.3	1386.5	1390.3	1387.7	1389.0	1385.1	1373.6	1369.7	1373.6	1377.5	1377.5
5°	1406.9	1404.4	1406.9	1406.9	1405.7	1403.1	1390.3	1387.7	1390.3	1391.5	1389.0
7.5°	1412.1	1408.3	1412.1	1409.5	1409.5	1406.9	1394.1	1391.5	1392.9	1396.7	1392.9
10°	1412.1	1408.3	1412.1	1410.8	1409.5	1406.9	1394.1	1389.0	1389.0	1392.9	1389.0
12.5°	1405.7	1403.1	1405.7	1403.1	1403.1	1400.5	1387.7	1382.6	1383.9	1385.1	1380.0
15°	1395.4	1391.5	1395.4	1392.9	1394.1	1390.3	1376.2	1371.1	1371.1	1373.6	1364.6
17.5°	1380.0	1374.9	1380.0	1378.7	1377.5	1374.9	1362.1	1356.9	1355.7	1356.9	1350.5
20°	1362.1	1358.2	1362.1	1360.8	1360.8	1355.7	1342.8	1336.4	1336.4	1336.4	1330.0
22.5°	1333.9	1330.0	1333.9	1336.4	1336.4	1335.1	1323.6	1314.6	1312.1	1312.1	1304.3
25°	1301.8	1297.9	1301.8	1301.8	1300.5	1301.8	1297.9	1292.8	1288.9	1285.1	1277.4
27.5°	1271.0	1268.5	1271.0	1268.5	1271.0	1267.1	1265.9	1264.6	1259.5	1255.6	1245.3
30°	1240.2	1237.7	1240.2	1237.7	1235.1	1232.5	1226.1	1223.5	1228.7	1226.1	1209.5
32.5°	1201.7	1199.2	1201.7	1201.7	1199.2	1199.2	1188.9	1185.1	1186.3	1194.1	1178.7
35°	1162.0	1158.1	1162.0	1160.7	1162.0	1158.1	1151.7	1150.5	1145.3	1154.3	1142.7
37.5°	1115.8	1112.0	1115.8	1115.8	1115.8	1118.4	1113.3	1109.4	1101.7	1113.3	1104.3
40°	1068.4	1063.2	1068.4	1067.1	1068.4	1070.9	1068.4	1065.8	1058.1	1067.1	1059.4
42.5°	1014.5	1013.2	1014.5	1015.8	1015.8	1020.9	1024.8	1019.6	1017.1	1010.6	1015.8
45°	956.8	954.2	956.8	959.3	960.6	963.2	974.7	974.7	970.9	960.6	968.3
47.5°	895.2	888.8	895.2	902.9	902.9	906.8	918.3	927.3	920.9	908.0	911.9
50°	829.8	831.1	829.8	834.9	834.9	849.0	858.0	867.0	873.4	858.0	840.1
52.5°	765.7	764.4	765.7	769.5	774.6	781.1	796.5	805.4	815.7	806.7	778.5
55°	701.6	704.1	701.6	702.8	705.4	709.2	732.3	741.3	760.6	749.0	719.5
57.5°	637.4	633.6	637.4	640.0	641.3	645.1	664.4	681.0	692.6	693.8	658.0
60°	563.0	557.9	563.0	574.6	577.2	579.7	597.6	613.0	623.3	627.2	590.0
62.5°	497.6	488.6	497.6	505.3	510.4	516.8	529.7	552.8	561.8	563.0	510.4
65°	428.4	424.5	428.4	443.8	445.0	452.8	466.8	483.5	502.8	500.2	424.5
67.5°	365.6	365.6	365.6	375.8	383.5	387.4	405.3	413.0	437.4	439.9	354.0
70°	307.8	306.6	307.8	315.5	320.6	329.6	346.3	355.2	374.5	380.9	287.3
72.5°	252.6	251.4	252.6	259.0	264.2	271.9	286.0	296.2	313.0	320.6	223.2
75°	204.0	201.4	204.0	209.0	207.8	218.0	229.6	239.8	255.2	260.4	165.4
77.5°	156.4	156.4	156.4	161.6	161.6	171.8	177.0	189.8	198.8	206.5	121.8
80°	116.8	115.4	116.8	118.0	118.0	123.2	132.1	141.0	148.8	148.8	83.4
82.5°	82.0	79.6	82.0	82.0	82.0	84.6	89.8	92.4	97.4	101.4	52.6
85°	51.3	51.3	51.3	52.6	51.3	53.8	55.2	57.8	57.8	55.2	32.0
87.5°	33.4	32.0	33.4	32.0	32.0	30.8	30.8	30.8	29.5	28.2	18.0
90°	37.6	37.6	37.6	37.6	37.6	50.1	66.8	75.3	64.7	43.6	27.7
92.5°	150.7	120.8	150.7	180.6	188.1	266.7	371.4	423.8	372.1	268.7	191.1
95°	525.3	434.7	525.3	616.0	638.6	838.7	1105.4	1238.7	1046.2	661.1	372.3
97.5°	1258.7	1086.2	1258.7	1431.2	1474.4	1600.8	1769.3	1853.6	1532.6	890.5	409.0
100°	1813.5	1608.0	1813.5	2019.1	2070.4	2061.2	2048.8	2042.7	1686.4	974.0	439.7
102.5°	2359.3	2183.3	2359.3	2535.3	2579.3	2418.3	2203.5	2096.2	1734.9	1012.3	470.4
105°	3055.1	2960.6	3055.1	3149.8	3173.4	2812.4	2330.9	2090.2	1740.4	1040.6	515.9
107.5°	3510.9	3533.8	3510.9	3488.1	3482.4	2978.7	2307.2	1971.4	1662.9	1045.9	583.2
110°	3684.8	3783.4	3684.8	3586.2	3561.5	2998.5	2247.8	1872.4	1594.3	1038.0	620.9



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3700.3	3851.6	3700.3	3548.9	3511.0	2934.7	2166.4	1782.2	1534.3	1038.3	666.4
115°	3602.2	3812.1	3602.2	3392.3	3339.8	2784.6	2044.4	1674.4	1465.6	1047.9	734.6
117.5°	3394.1	3626.9	3394.1	3161.4	3103.1	2602.1	1934.1	1600.1	1422.5	1067.4	801.0
120°	3226.5	3452.6	3226.5	3000.2	2943.7	2485.9	1875.6	1570.4	1408.0	1083.2	839.6
122.5°	3063.3	3286.3	3063.3	2840.1	2784.3	2372.1	1822.4	1547.6	1400.3	1105.9	885.1
125°	2830.3	3035.8	2830.3	2624.7	2573.4	2223.2	1756.3	1522.8	1394.1	1136.6	943.6
127.5°	2620.8	2794.2	2620.8	2447.4	2404.1	2103.4	1702.5	1502.1	1390.5	1167.4	1000.1
130°	2497.4	2657.5	2497.4	2337.2	2297.2	2029.5	1672.6	1494.1	1392.7	1189.8	1037.7
132.5°	2385.4	2528.8	2385.4	2241.9	2206.0	1966.4	1646.9	1487.2	1394.1	1208.0	1068.4
135°	2231.9	2355.6	2231.9	2108.2	2077.3	1876.6	1609.1	1475.3	1392.8	1227.8	1104.0
137.5°	2108.8	2210.0	2108.8	2007.6	1982.3	1812.7	1586.4	1473.3	1401.4	1257.5	1149.5
140°	2024.4	2118.9	2024.4	1929.7	1906.1	1759.5	1564.1	1466.4	1402.8	1275.7	1180.2
142.5°	1954.3	2035.7	1954.3	1872.9	1852.5	1723.8	1552.2	1466.4	1407.9	1290.8	1203.0
145°	1849.4	1911.0	1849.4	1787.8	1772.4	1667.1	1526.7	1456.5	1407.9	1310.7	1237.7
147.5°	1768.9	1819.9	1768.9	1717.8	1705.1	1622.2	1511.7	1456.5	1417.6	1339.7	1281.3
150°	1718.2	1759.5	1718.2	1676.8	1666.5	1596.5	1503.1	1456.5	1422.6	1354.8	1304.1
152.5°	1674.8	1706.0	1674.8	1643.6	1635.8	1576.0	1496.3	1456.5	1425.9	1364.8	1318.9
155°	1625.0	1645.6	1625.0	1604.3	1599.1	1551.6	1488.2	1456.5	1433.1	1386.6	1351.6
157.5°	1585.6	1600.1	1585.6	1571.0	1567.4	1530.4	1481.1	1456.5	1440.4	1408.3	1384.2
160°	1561.9	1570.4	1561.9	1553.6	1551.5	1519.9	1477.6	1456.5	1443.8	1418.2	1399.1
162.5°	1546.6	1554.6	1546.6	1538.7	1536.7	1509.9	1474.3	1456.5	1447.2	1428.7	1414.9
165°	1524.4	1532.8	1524.4	1516.0	1513.9	1494.8	1469.3	1456.5	1452.3	1443.9	1437.7
167.5°	1508.4	1511.9	1508.4	1504.9	1504.0	1491.5	1474.7	1466.4	1462.9	1455.8	1450.5
170°	1504.0	1504.0	1504.0	1504.0	1504.0	1491.5	1474.7	1466.4	1466.2	1465.7	1465.5
172.5°	1492.2	1489.2	1492.2	1495.4	1496.2	1486.2	1473.0	1466.4	1466.4	1466.4	1466.4
175°	1485.3	1485.3	1485.3	1485.3	1485.3	1478.9	1470.6	1466.4	1468.4	1472.3	1475.3
177.5°	1478.8	1475.3	1478.8	1482.4	1483.2	1478.3	1471.7	1468.4	1470.0	1473.0	1475.3
180°	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7
2.5°	1374.9	1367.2	1367.2	1354.4	1349.3	1345.4	1339.0	1319.7	1314.6	1309.5	1317.2
5°	1386.5	1372.3	1362.1	1339.0	1319.7	1312.1	1287.7	1241.5	1210.7	1187.6	1174.8
7.5°	1389.0	1371.1	1351.8	1315.9	1269.7	1249.2	1174.8	1090.2	1067.1	1046.6	1033.7
10°	1386.5	1365.9	1339.0	1285.1	1176.1	1140.2	1065.8	1010.6	996.5	992.7	996.5
12.5°	1377.5	1358.2	1321.0	1231.3	1078.6	1054.3	1010.6	978.6	976.0	982.4	1017.1
15°	1362.1	1344.1	1300.5	1159.4	1024.8	1006.8	976.0	964.5	978.6	1023.5	1127.4
17.5°	1346.7	1326.1	1272.3	1088.9	983.7	970.9	949.1	972.2	1051.7	1112.0	1146.6
20°	1326.1	1301.8	1240.2	1037.6	954.2	942.7	932.4	1036.3	1096.6	1118.4	1137.6
22.5°	1301.8	1276.1	1196.6	1001.7	923.4	914.5	920.9	1072.2	1096.6	1112.0	1128.6
25°	1269.7	1247.9	1145.3	973.5	899.1	888.8	913.2	1068.4	1082.5	1086.3	1119.7
27.5°	1240.2	1212.0	1091.5	947.8	869.6	865.7	919.6	1051.7	1061.9	1065.8	1101.7
30°	1204.3	1162.0	1031.2	920.9	838.8	837.5	920.9	1031.2	1028.6	1038.9	1074.8
32.5°	1167.1	1087.6	963.2	887.5	809.3	808.0	911.9	1000.4	997.8	1011.9	1038.9
35°	1132.5	1029.9	870.8	849.0	772.1	773.4	890.1	964.5	965.8	978.6	995.3
37.5°	1096.6	979.9	769.5	806.7	736.2	736.2	860.6	931.1	928.6	932.4	955.5
40°	1054.3	901.6	679.8	751.6	702.8	699.0	824.7	895.2	886.2	885.0	917.0
42.5°	1009.4	815.7	613.0	678.5	664.4	659.2	781.1	851.6	834.9	838.8	879.8
45°	960.6	792.6	561.8	573.3	624.6	620.8	733.6	801.6	790.0	800.3	842.6
47.5°	911.9	746.4	545.1	475.8	582.3	581.0	681.0	752.8	746.4	756.7	801.6
50°	845.2	695.2	543.8	407.8	534.8	540.0	618.2	705.4	705.4	714.4	761.8
52.5°	759.3	632.3	493.8	369.4	479.6	495.0	563.0	664.4	666.9	675.9	718.2
55°	681.0	566.9	457.8	339.8	414.2	447.6	509.2	622.0	627.2	636.2	674.6
57.5°	609.2	472.0	450.2	305.2	354.0	386.0	461.7	581.0	583.6	591.2	628.4
60°	532.2	341.2	413.0	268.0	301.4	325.8	418.1	532.2	541.2	546.4	578.4
62.5°	445.0	247.6	374.5	242.4	275.8	280.8	382.2	486.1	497.6	501.5	520.7
65°	316.8	207.8	318.0	220.6	248.8	250.1	343.8	438.6	448.9	455.3	469.4
67.5°	214.2	169.3	242.4	200.0	228.3	229.6	306.6	383.5	397.6	402.7	411.7
70°	148.8	112.8	179.6	178.2	205.2	207.8	266.8	333.4	346.3	350.2	355.2
72.5°	109.0	91.0	148.8	160.4	180.8	183.4	225.8	277.0	289.8	293.7	296.2
75°	83.4	96.2	120.6	139.8	153.9	155.2	184.6	225.8	234.7	237.2	238.6
77.5°	66.6	89.8	88.5	112.8	125.6	123.2	145.0	174.4	182.2	182.2	182.2
80°	50.0	70.6	66.6	80.8	92.4	89.8	103.8	124.4	127.0	129.6	128.2
82.5°	37.2	44.8	44.8	51.3	61.6	59.0	69.2	80.8	80.8	80.8	83.4
85°	23.0	25.6	20.6	27.0	34.6	33.4	38.4	43.6	44.8	44.8	42.4
87.5°	14.2	11.6	6.4	10.2	15.4	15.4	18.0	19.2	18.0	18.0	18.0
90°	25.7	17.9	9.9	17.9	25.7	27.7	43.6	64.7	75.3	66.8	50.1
92.5°	174.3	106.9	39.6	106.9	174.3	191.1	268.7	372.1	423.8	371.4	266.7
95°	341.6	218.3	95.0	218.3	341.6	372.3	661.1	1046.2	1238.7	1105.4	838.7
97.5°	381.8	273.1	164.4	273.1	381.8	409.0	890.5	1532.6	1853.6	1769.3	1600.8
100°	415.0	316.4	217.8	316.4	415.0	439.7	974.0	1686.4	2042.7	2048.8	2061.2
102.5°	447.3	355.3	263.3	355.3	447.3	470.4	1012.3	1734.9	2096.2	2203.5	2418.3
105°	496.4	418.5	340.6	418.5	496.4	515.9	1040.6	1740.4	2090.2	2330.9	2812.4
107.5°	565.0	492.4	419.9	492.4	565.0	583.2	1045.9	1662.9	1971.4	2307.2	2978.7
110°	604.5	538.9	473.3	538.9	604.5	620.9	1038.0	1594.3	1872.4	2247.8	2998.5



TEST NUMBER: P935448

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	650.8	588.2	525.8	588.2	650.8	666.4	1038.3	1534.3	1782.2	2166.4	2934.7
115°	720.2	662.6	605.0	662.6	720.2	734.6	1047.9	1465.6	1674.4	2044.4	2784.6
117.5°	787.9	735.6	683.2	735.6	787.9	801.0	1067.4	1422.5	1600.1	1934.1	2602.1
120°	827.3	778.1	728.7	778.1	827.3	839.6	1083.2	1408.0	1570.4	1875.6	2485.9
122.5°	872.7	823.0	773.3	823.0	872.7	885.1	1105.9	1400.3	1547.6	1822.4	2372.1
125°	932.3	887.0	841.6	887.0	932.3	943.6	1136.6	1394.1	1522.8	1756.3	2223.2
127.5°	988.6	942.9	897.1	942.9	988.6	1000.1	1167.4	1390.5	1502.1	1702.5	2103.4
130°	1025.3	976.1	926.7	976.1	1025.3	1037.7	1189.8	1392.7	1494.1	1672.6	2029.5
132.5°	1056.0	1006.8	957.4	1006.8	1056.0	1068.4	1208.0	1394.1	1487.2	1646.9	1966.4
135°	1092.8	1047.9	1003.0	1047.9	1092.8	1104.0	1227.8	1392.8	1475.3	1609.1	1876.6
137.5°	1138.4	1094.0	1049.5	1094.0	1138.4	1149.5	1257.5	1401.4	1473.3	1586.4	1812.7
140°	1170.0	1129.1	1088.1	1129.1	1170.0	1180.2	1275.7	1402.8	1466.4	1564.1	1759.5
142.5°	1193.5	1155.8	1117.9	1155.8	1193.5	1203.0	1290.8	1407.9	1466.4	1552.2	1723.8
145°	1229.5	1196.4	1163.4	1196.4	1229.5	1237.7	1310.7	1407.9	1456.5	1526.7	1667.1
147.5°	1273.3	1241.1	1209.0	1241.1	1273.3	1281.3	1339.7	1417.6	1456.5	1511.7	1622.2
150°	1296.8	1267.7	1238.7	1267.7	1296.8	1304.1	1354.8	1422.6	1456.5	1503.1	1596.5
152.5°	1313.3	1291.3	1269.3	1291.3	1313.3	1318.9	1364.8	1425.9	1456.5	1496.3	1576.0
155°	1347.5	1331.2	1315.0	1331.2	1347.5	1351.6	1386.6	1433.1	1456.5	1488.2	1551.6
157.5°	1380.3	1364.4	1348.6	1364.4	1380.3	1384.2	1408.3	1440.4	1456.5	1481.1	1530.4
160°	1396.0	1383.7	1371.4	1383.7	1396.0	1399.1	1418.2	1443.8	1456.5	1477.6	1519.9
162.5°	1412.6	1403.3	1394.1	1403.3	1412.6	1414.9	1428.7	1447.2	1456.5	1474.3	1509.9
165°	1435.6	1427.3	1418.9	1427.3	1435.6	1437.7	1443.9	1452.3	1456.5	1469.3	1494.8
167.5°	1449.6	1445.6	1441.7	1445.6	1449.6	1450.5	1455.8	1462.9	1466.4	1474.7	1491.5
170°	1464.5	1460.5	1456.5	1460.5	1464.5	1465.5	1465.7	1466.2	1466.4	1474.7	1491.5
172.5°	1466.2	1465.3	1464.4	1465.3	1466.2	1466.4	1466.4	1466.4	1466.4	1473.0	1486.2
175°	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1472.3	1468.4	1466.4	1470.6	1478.9
177.5°	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1473.0	1470.0	1468.4	1471.7	1478.3
180°	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7
2.5°	1308.2	1304.3	1309.5	1295.4	1309.5	1304.3	1308.2	1317.2	1309.5	1314.6	1319.7
5°	1147.9	1141.5	1120.9	1104.3	1120.9	1141.5	1147.9	1174.8	1187.6	1210.7	1241.5
7.5°	1026.0	1020.9	1015.8	1005.5	1015.8	1020.9	1026.0	1033.7	1046.6	1067.1	1090.2
10°	999.1	1000.4	1008.1	1006.8	1008.1	1000.4	999.1	996.5	992.7	996.5	1010.6
12.5°	1068.4	1079.9	1122.2	1119.7	1122.2	1079.9	1068.4	1017.1	982.4	976.0	978.6
15°	1147.9	1151.7	1160.7	1162.0	1160.7	1151.7	1147.9	1127.4	1023.5	978.6	964.5
17.5°	1155.6	1156.9	1163.3	1163.3	1163.3	1156.9	1155.6	1146.6	1112.0	1051.7	972.2
20°	1149.2	1151.7	1164.5	1167.1	1164.5	1151.7	1149.2	1137.6	1118.4	1096.6	1036.3
22.5°	1146.6	1151.7	1162.0	1160.7	1162.0	1151.7	1146.6	1128.6	1112.0	1096.6	1072.2
25°	1133.8	1133.8	1135.1	1136.3	1135.1	1133.8	1133.8	1119.7	1086.3	1082.5	1068.4
27.5°	1106.8	1109.4	1117.1	1115.8	1117.1	1109.4	1106.8	1101.7	1065.8	1061.9	1051.7
30°	1082.5	1079.9	1073.5	1068.4	1073.5	1079.9	1082.5	1074.8	1038.9	1028.6	1031.2
32.5°	1041.4	1035.0	1028.6	1024.8	1028.6	1035.0	1041.4	1038.9	1011.9	997.8	1000.4
35°	992.7	994.0	992.7	988.8	992.7	994.0	992.7	995.3	978.6	965.8	964.5
37.5°	958.1	960.6	959.3	954.2	959.3	960.6	958.1	955.5	932.4	928.6	931.1
40°	922.2	923.4	922.2	918.3	922.2	923.4	922.2	917.0	885.0	886.2	895.2
42.5°	887.5	886.2	882.4	879.8	882.4	886.2	887.5	879.8	838.8	834.9	851.6
45°	847.8	849.0	841.4	837.5	841.4	849.0	847.8	842.6	800.3	790.0	801.6
47.5°	808.0	808.0	801.6	797.8	801.6	808.0	808.0	801.6	756.7	746.4	752.8
50°	765.7	764.4	755.4	754.1	755.4	764.4	765.7	761.8	714.4	705.4	705.4
52.5°	717.0	717.0	718.2	720.8	718.2	717.0	717.0	718.2	675.9	666.9	664.4
55°	674.6	675.9	684.9	687.4	684.9	675.9	674.6	674.6	636.2	627.2	622.0
57.5°	631.0	631.0	637.4	637.4	637.4	631.0	631.0	628.4	591.2	583.6	581.0
60°	581.0	583.6	588.7	587.4	588.7	583.6	581.0	578.4	546.4	541.2	532.2
62.5°	528.4	531.0	532.2	529.7	532.2	531.0	528.4	520.7	501.5	497.6	486.1
65°	473.2	475.8	477.1	474.6	477.1	475.8	473.2	469.4	455.3	448.9	438.6
67.5°	416.8	415.6	414.2	419.4	414.2	415.6	416.8	411.7	402.7	397.6	383.5
70°	359.1	359.1	357.8	360.4	357.8	359.1	359.1	355.2	350.2	346.3	333.4
72.5°	297.6	296.2	301.4	297.6	301.4	296.2	297.6	296.2	293.7	289.8	277.0
75°	237.2	239.8	237.2	241.2	237.2	239.8	237.2	238.6	237.2	234.7	225.8
77.5°	180.8	183.4	180.8	180.8	180.8	183.4	180.8	182.2	182.2	182.2	174.4
80°	128.2	127.0	127.0	125.6	127.0	127.0	128.2	128.2	129.6	127.0	124.4
82.5°	82.0	80.8	80.8	83.4	80.8	80.8	82.0	83.4	80.8	80.8	80.8
85°	44.8	46.2	43.6	43.6	43.6	46.2	44.8	42.4	44.8	44.8	43.6
87.5°	16.6	15.4	15.4	15.4	15.4	15.4	16.6	18.0	18.0	18.0	19.2
90°	37.6	37.6	37.6	37.6	37.6	37.6	37.6	50.1	66.8	75.3	64.7
92.5°	188.1	180.6	150.7	120.8	150.7	180.6	188.1	266.7	371.4	423.8	372.1
95°	638.6	616.0	525.3	434.7	525.3	616.0	638.6	838.7	1105.4	1238.7	1046.2
97.5°	1474.4	1431.2	1258.7	1086.2	1258.7	1431.2	1474.4	1600.8	1769.3	1853.6	1532.6
100°	2070.4	2019.1	1813.5	1608.0	1813.5	2019.1	2070.4	2061.2	2048.8	2042.7	1686.4
102.5°	2579.3	2535.3	2359.3	2183.3	2359.3	2535.3	2579.3	2418.3	2203.5	2096.2	1734.9
105°	3173.4	3149.8	3055.1	2960.6	3055.1	3149.8	3173.4	2812.4	2330.9	2090.2	1740.4
107.5°	3482.4	3488.1	3510.9	3533.8	3510.9	3488.1	3482.4	2978.7	2307.2	1971.4	1662.9
110°	3561.5	3586.2	3684.8	3783.4	3684.8	3586.2	3561.5	2998.5	2247.8	1872.4	1594.3



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3511.0	3548.9	3700.3	3851.6	3700.3	3548.9	3511.0	2934.7	2166.4	1782.2	1534.3
115°	3339.8	3392.3	3602.2	3812.1	3602.2	3392.3	3339.8	2784.6	2044.4	1674.4	1465.6
117.5°	3103.1	3161.4	3394.1	3626.9	3394.1	3161.4	3103.1	2602.1	1934.1	1600.1	1422.5
120°	2943.7	3000.2	3226.5	3452.6	3226.5	3000.2	2943.7	2485.9	1875.6	1570.4	1408.0
122.5°	2784.3	2840.1	3063.3	3286.3	3063.3	2840.1	2784.3	2372.1	1822.4	1547.6	1400.3
125°	2573.4	2624.7	2830.3	3035.8	2830.3	2624.7	2573.4	2223.2	1756.3	1522.8	1394.1
127.5°	2404.1	2447.4	2620.8	2794.2	2620.8	2447.4	2404.1	2103.4	1702.5	1502.1	1390.5
130°	2297.2	2337.2	2497.4	2657.5	2497.4	2337.2	2297.2	2029.5	1672.6	1494.1	1392.7
132.5°	2206.0	2241.9	2385.4	2528.8	2385.4	2241.9	2206.0	1966.4	1646.9	1487.2	1394.1
135°	2077.3	2108.2	2231.9	2355.6	2231.9	2108.2	2077.3	1876.6	1609.1	1475.3	1392.8
137.5°	1982.3	2007.6	2108.8	2210.0	2108.8	2007.6	1982.3	1812.7	1586.4	1473.3	1401.4
140°	1906.1	1929.7	2024.4	2118.9	2024.4	1929.7	1906.1	1759.5	1564.1	1466.4	1402.8
142.5°	1852.5	1872.9	1954.3	2035.7	1954.3	1872.9	1852.5	1723.8	1552.2	1466.4	1407.9
145°	1772.4	1787.8	1849.4	1911.0	1849.4	1787.8	1772.4	1667.1	1526.7	1456.5	1407.9
147.5°	1705.1	1717.8	1768.9	1819.9	1768.9	1717.8	1705.1	1622.2	1511.7	1456.5	1417.6
150°	1666.5	1676.8	1718.2	1759.5	1718.2	1676.8	1666.5	1596.5	1503.1	1456.5	1422.6
152.5°	1635.8	1643.6	1674.8	1706.0	1674.8	1643.6	1635.8	1576.0	1496.3	1456.5	1425.9
155°	1599.1	1604.3	1625.0	1645.6	1625.0	1604.3	1599.1	1551.6	1488.2	1456.5	1433.1
157.5°	1567.4	1571.0	1585.6	1600.1	1585.6	1571.0	1567.4	1530.4	1481.1	1456.5	1440.4
160°	1551.5	1553.6	1561.9	1570.4	1561.9	1553.6	1551.5	1519.9	1477.6	1456.5	1443.8
162.5°	1536.7	1538.7	1546.6	1554.6	1546.6	1538.7	1536.7	1509.9	1474.3	1456.5	1447.2
165°	1513.9	1516.0	1524.4	1532.8	1524.4	1516.0	1513.9	1494.8	1469.3	1456.5	1452.3
167.5°	1504.0	1504.9	1508.4	1511.9	1508.4	1504.9	1504.0	1491.5	1474.7	1466.4	1462.9
170°	1504.0	1504.0	1504.0	1504.0	1504.0	1504.0	1504.0	1491.5	1474.7	1466.4	1466.2
172.5°	1496.2	1495.4	1492.2	1489.2	1492.2	1495.4	1496.2	1486.2	1473.0	1466.4	1466.4
175°	1485.3	1485.3	1485.3	1485.3	1485.3	1485.3	1485.3	1478.9	1470.6	1466.4	1468.4
177.5°	1483.2	1482.4	1478.8	1475.3	1478.8	1482.4	1483.2	1478.3	1471.7	1468.4	1470.0
180°	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3	1475.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1355.7	1355.7	1355.7	1355.7	1355.7
2.5°	1339.0	1345.4	1349.3	1354.4	1367.2
5°	1287.7	1312.1	1319.7	1339.0	1362.1
7.5°	1174.8	1249.2	1269.7	1315.9	1351.8
10°	1065.8	1140.2	1176.1	1285.1	1339.0
12.5°	1010.6	1054.3	1078.6	1231.3	1321.0
15°	976.0	1006.8	1024.8	1159.4	1300.5
17.5°	949.1	970.9	983.7	1088.9	1272.3
20°	932.4	942.7	954.2	1037.6	1240.2
22.5°	920.9	914.5	923.4	1001.7	1196.6
25°	913.2	888.8	899.1	973.5	1145.3
27.5°	919.6	865.7	869.6	947.8	1091.5
30°	920.9	837.5	838.8	920.9	1031.2
32.5°	911.9	808.0	809.3	887.5	963.2
35°	890.1	773.4	772.1	849.0	870.8
37.5°	860.6	736.2	736.2	806.7	769.5
40°	824.7	699.0	702.8	751.6	679.8
42.5°	781.1	659.2	664.4	678.5	613.0
45°	733.6	620.8	624.6	573.3	561.8
47.5°	681.0	581.0	582.3	475.8	545.1
50°	618.2	540.0	534.8	407.8	543.8
52.5°	563.0	495.0	479.6	369.4	493.8
55°	509.2	447.6	414.2	339.8	457.8
57.5°	461.7	386.0	354.0	305.2	450.2
60°	418.1	325.8	301.4	268.0	413.0
62.5°	382.2	280.8	275.8	242.4	374.5
65°	343.8	250.1	248.8	220.6	318.0
67.5°	306.6	229.6	228.3	200.0	242.4
70°	266.8	207.8	205.2	178.2	179.6
72.5°	225.8	183.4	180.8	160.4	148.8
75°	184.6	155.2	153.9	139.8	120.6
77.5°	145.0	123.2	125.6	112.8	88.5
80°	103.8	89.8	92.4	80.8	66.6
82.5°	69.2	59.0	61.6	51.3	44.8
85°	38.4	33.4	34.6	27.0	20.6
87.5°	18.0	15.4	15.4	10.2	6.4
90°	43.6	27.7	25.7	17.9	9.9
92.5°	268.7	191.1	174.3	106.9	39.6
95°	661.1	372.3	341.6	218.3	95.0
97.5°	890.5	409.0	381.8	273.1	164.4
100°	974.0	439.7	415.0	316.4	217.8
102.5°	1012.3	470.4	447.3	355.3	263.3
105°	1040.6	515.9	496.4	418.5	340.6
107.5°	1045.9	583.2	565.0	492.4	419.9
110°	1038.0	620.9	604.5	538.9	473.3



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CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-8-6500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1038.3	666.4	650.8	588.2	525.8
115°	1047.9	734.6	720.2	662.6	605.0
117.5°	1067.4	801.0	787.9	735.6	683.2
120°	1083.2	839.6	827.3	778.1	728.7
122.5°	1105.9	885.1	872.7	823.0	773.3
125°	1136.6	943.6	932.3	887.0	841.6
127.5°	1167.4	1000.1	988.6	942.9	897.1
130°	1189.8	1037.7	1025.3	976.1	926.7
132.5°	1208.0	1068.4	1056.0	1006.8	957.4
135°	1227.8	1104.0	1092.8	1047.9	1003.0
137.5°	1257.5	1149.5	1138.4	1094.0	1049.5
140°	1275.7	1180.2	1170.0	1129.1	1088.1
142.5°	1290.8	1203.0	1193.5	1155.8	1117.9
145°	1310.7	1237.7	1229.5	1196.4	1163.4
147.5°	1339.7	1281.3	1273.3	1241.1	1209.0
150°	1354.8	1304.1	1296.8	1267.7	1238.7
152.5°	1364.8	1318.9	1313.3	1291.3	1269.3
155°	1386.6	1351.6	1347.5	1331.2	1315.0
157.5°	1408.3	1384.2	1380.3	1364.4	1348.6
160°	1418.2	1399.1	1396.0	1383.7	1371.4
162.5°	1428.7	1414.9	1412.6	1403.3	1394.1
165°	1443.9	1437.7	1435.6	1427.3	1418.9
167.5°	1455.8	1450.5	1449.6	1445.6	1441.7
170°	1465.7	1465.5	1464.5	1460.5	1456.5
172.5°	1466.4	1466.4	1466.2	1465.3	1464.4
175°	1472.3	1475.3	1475.3	1475.3	1475.3
177.5°	1473.0	1475.3	1475.3	1475.3	1475.3
180°	1475.3	1475.3	1475.3	1475.3	1475.3



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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	8.54	9.23	9.67	10.35	11.92	11.38	12.06	12.51	13.19	14.76
	3H	9.00	9.62	10.15	10.75	12.33	12.71	13.33	13.85	14.46	16.04
	4H	9.19	9.77	10.34	10.90	12.49	13.15	13.73	14.30	14.87	16.45
	6H	9.30	9.83	10.45	10.97	12.57	13.43	13.96	14.59	15.10	16.70
	8H	9.29	9.80	10.45	10.95	12.54	13.50	14.01	14.66	15.16	16.75
	12H	9.26	9.74	10.42	10.89	12.50	13.53	14.02	14.70	15.16	16.77
4H	2H	9.55	10.14	10.71	11.27	12.86	11.77	12.35	12.92	13.48	15.07
	3H	10.56	11.05	11.73	12.21	13.81	13.26	13.74	14.42	14.90	16.50
	4H	10.83	11.28	12.00	12.43	14.05	13.78	14.23	14.94	15.37	16.99
	6H	10.95	11.33	12.12	12.50	14.11	14.14	14.52	15.31	15.69	17.30
	8H	10.95	11.31	12.12	12.47	14.09	14.24	14.60	15.41	15.76	17.38
	12H	10.91	11.23	12.09	12.40	14.03	14.29	14.61	15.48	15.79	17.42
8H	4H	11.27	11.63	12.44	12.79	14.42	13.89	14.25	15.06	15.41	17.03
	6H	11.53	11.82	12.72	13.03	14.65	14.32	14.62	15.51	15.82	17.44
	8H	11.57	11.82	12.76	13.01	14.65	14.47	14.73	15.67	15.91	17.55
	12H	11.54	11.77	12.74	12.95	14.62	14.56	14.79	15.76	15.97	17.64
12H	4H	11.27	11.59	12.46	12.77	14.40	13.85	14.17	15.03	15.34	16.97
	6H	11.59	11.84	12.78	13.03	14.67	14.32	14.57	15.51	15.75	17.40
	8H	11.64	11.87	12.84	13.05	14.72	14.47	14.70	15.67	15.87	17.55