

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: P935412

Luminaire Tested: SQ4-FA-125U-050D-830-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935412
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-830-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

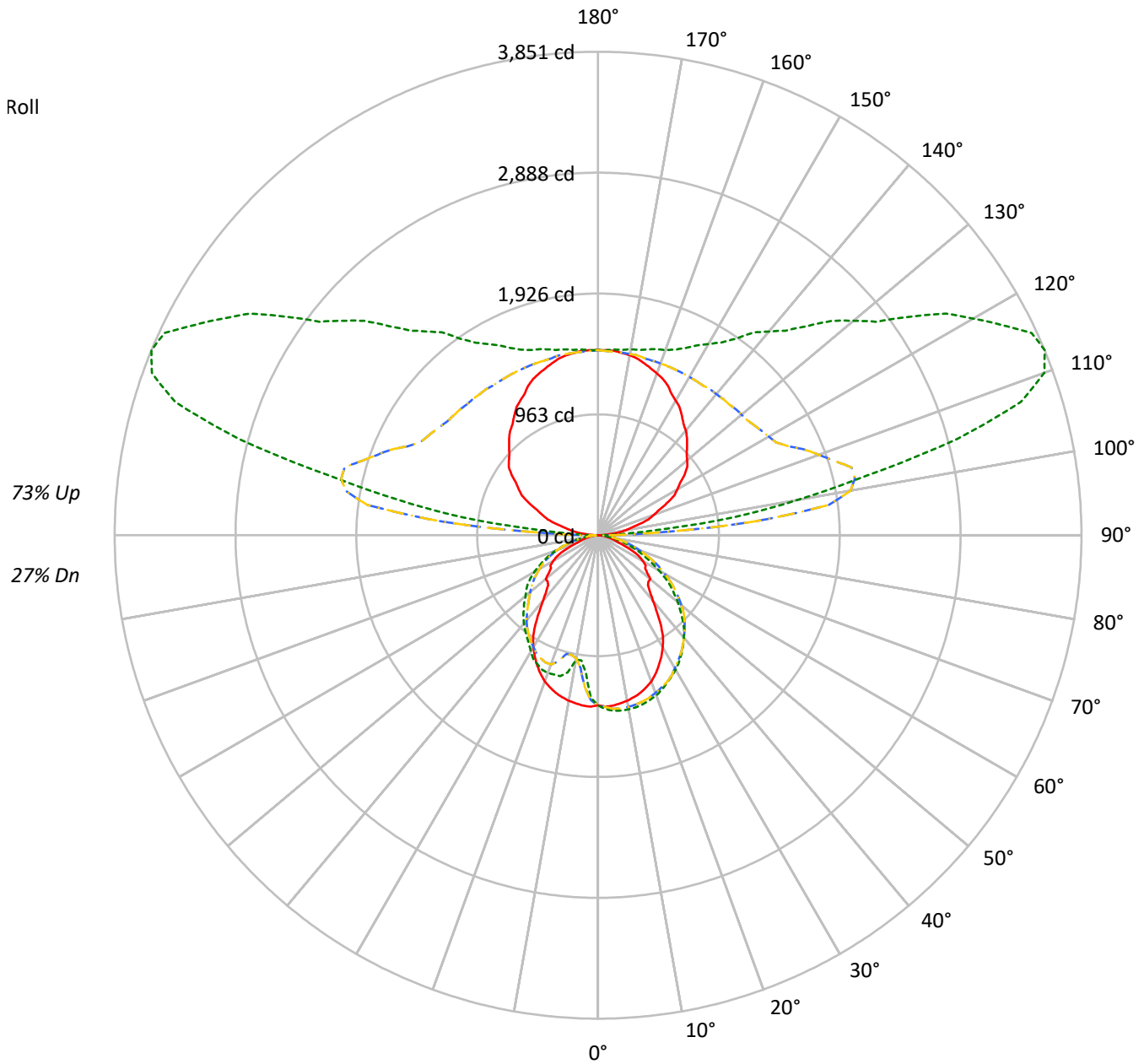
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13081.9 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				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	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35				27
1	93	88	85	81	83	79	76	73	62	60	58	46	44	43	31	30	29				23
2	84	77	71	66	75	69	64	60	54	51	48	40	38	36	27	26	25				19
3	77	68	61	55	68	61	55	50	48	43	40	35	33	30	24	22	21				16
4	70	60	52	47	62	54	47	42	42	38	34	31	28	26	21	20	18				14
5	64	53	45	40	57	48	41	36	38	33	29	28	25	22	19	17	16				12
6	59	48	40	34	53	43	36	31	34	29	25	25	22	19	17	15	14				10
7	55	43	35	30	49	38	32	27	30	26	22	23	20	17	16	14	12				9
8	50	39	31	26	45	35	28	24	28	23	19	21	18	15	15	12	11				8
9	47	35	28	23	42	32	25	21	25	21	17	19	16	14	13	11	10				7
10	44	32	25	20	39	29	23	19	23	19	15	18	14	12	12	10	9				7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6289	6289	6289	6289
5°	6335	6348	6335	4992
10°	6293	6253	6293	4470
15°	6225	6118	6225	5108
20°	6094	5957	6094	5119
25°	5828	5723	5828	5010
30°	5484	5529	5484	4772
35°	4888	5283	4888	4510
40°	4073	4993	4073	4313
45°	3639	4655	3639	4086
50°	3867	4251	3867	3857
55°	3637	3816	3637	3725
60°	3750	3241	3750	3412
65°	3400	2679	3400	2995
70°	2354	2135	2354	2510
75°	2066	1578	2066	1890
80°	1662	1043	1662	1135
85°	960	553	960	470

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5578 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.3	0.9
10°-20°	347.4	2.7
20°-30°	537.0	4.1
30°-40°	641.0	4.9
40°-50°	644.8	4.9
50°-60°	561.1	4.3
60°-70°	397.8	3.0
70°-80°	210.5	1.6
80°-90°	58.0	0.4
90°-100°	719.0	5.5
100°-110°	1890.3	14.4
110°-120°	1960.0	15.0
120°-130°	1572.2	12.0
130°-140°	1233.6	9.4
140°-150°	946.8	7.2
150°-160°	681.9	5.2
160°-170°	417.2	3.2
170°-180°	141.0	1.1
0°-30°	1006.7	7.7
0°-40°	1647.7	12.6
0°-60°	2853.6	21.8
0°-90°	3519.9	26.9
90°-120°	4569.3	34.9
90°-150°	8322.0	63.6
90°-180°	9562.0	73.1
0°-180°	13081.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1355	1355	1355	1355	1355	
5°	1362	1404	1362	1104	1362	129
15°	1300	1391	1300	1162	1300	366
25°	1145	1298	1145	1136	1145	526
35°	871	1158	871	989	871	539
45°	562	954	562	837	562	450
55°	458	704	458	687	458	421
65°	318	424	318	474	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°	340	2960	340	2960	340	361
115°	605	3811	605	3811	605	597
125°	842	3035	842	3035	842	747
135°	1003	2355	1003	2355	1003	776
145°	1163	1911	1163	1911	1163	729
155°	1315	1645	1315	1645	1315	604
165°	1419	1532	1419	1532	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°	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4
2.5°	1366.9	1366.9	1374.6	1377.2	1377.2	1373.3	1369.5	1373.3	1384.9	1388.7	1387.4
5°	1361.8	1372.1	1386.2	1388.7	1391.3	1390.0	1387.4	1390.0	1402.8	1405.4	1406.7
7.5°	1351.5	1370.8	1388.7	1392.6	1396.4	1392.6	1391.3	1393.8	1406.7	1409.2	1409.2
10°	1338.7	1365.6	1386.2	1388.7	1392.6	1388.7	1388.7	1393.8	1406.7	1409.2	1410.5
12.5°	1320.7	1357.9	1377.2	1379.7	1384.9	1383.6	1382.3	1387.4	1400.3	1402.8	1402.8
15°	1300.3	1343.8	1361.8	1364.3	1373.3	1370.8	1370.8	1375.9	1390.0	1393.8	1392.6
17.5°	1272.1	1325.9	1346.4	1350.3	1356.7	1355.4	1356.7	1361.8	1374.6	1377.2	1378.5
20°	1239.9	1301.5	1325.9	1329.7	1336.1	1336.1	1336.1	1342.5	1355.4	1360.5	1360.5
22.5°	1196.3	1275.9	1301.5	1304.1	1311.8	1311.8	1314.3	1323.3	1334.9	1336.1	1336.1
25°	1145.1	1247.7	1269.5	1277.1	1284.9	1288.7	1292.5	1297.7	1301.5	1300.3	1301.5
27.5°	1091.3	1211.7	1239.9	1245.1	1255.3	1259.2	1264.3	1265.6	1266.9	1270.7	1268.2
30°	1031.0	1161.7	1204.1	1209.2	1225.9	1228.5	1223.3	1225.9	1232.3	1234.9	1237.4
32.5°	963.0	1087.4	1166.9	1178.5	1193.9	1186.1	1184.9	1188.7	1198.9	1198.9	1201.5
35°	870.6	1029.7	1132.3	1142.5	1154.1	1145.1	1150.3	1151.5	1157.9	1161.7	1160.5
37.5°	769.4	979.7	1096.3	1104.1	1113.1	1101.5	1109.2	1113.1	1118.1	1115.6	1115.6
40°	679.6	901.4	1054.1	1059.2	1066.9	1057.9	1065.6	1068.1	1070.7	1068.1	1066.9
42.5°	612.9	815.6	1009.2	1015.6	1010.4	1016.9	1019.4	1024.5	1020.7	1015.6	1015.6
45°	561.6	792.4	960.4	968.1	960.4	970.7	974.5	974.5	963.0	960.4	959.2
47.5°	545.0	746.3	911.7	911.7	907.8	920.7	927.1	918.1	906.6	902.8	902.8
50°	543.7	695.0	845.0	839.9	857.8	873.2	866.8	857.8	848.8	834.8	834.8
52.5°	493.7	632.2	759.2	778.4	806.6	815.6	805.2	796.3	781.0	774.5	769.4
55°	457.7	566.8	680.9	719.4	748.8	760.4	741.2	732.2	709.1	705.2	702.7
57.5°	450.1	471.9	609.1	657.8	693.7	692.4	680.9	664.2	645.0	641.2	639.9
60°	412.9	341.1	532.1	589.9	627.0	623.2	612.9	597.5	579.6	577.0	574.5
62.5°	374.5	247.5	444.9	510.3	562.9	561.6	552.7	529.6	516.7	510.3	505.2
65°	318.0	207.7	316.7	424.5	500.1	502.7	483.4	466.7	452.7	444.9	443.7
67.5°	242.3	169.3	214.1	353.9	439.9	437.3	412.9	405.2	387.3	383.5	375.7
70°	179.5	112.8	148.8	287.3	380.9	374.5	355.2	346.3	329.5	320.5	315.5
72.5°	148.8	91.0	109.0	223.1	320.5	312.9	296.2	285.9	271.9	264.1	259.0
75°	120.6	96.2	83.4	165.4	260.3	255.2	239.8	229.5	218.0	207.7	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	123.1	118.0	118.0
82.5°	44.8	44.8	37.2	52.6	101.3	97.4	92.3	89.8	84.6	82.0	82.0
85°	20.6	25.6	23.0	32.0	55.2	57.7	57.7	55.2	53.8	51.3	52.6
87.5°	6.4	11.6	14.1	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	75.2	66.8	50.1	37.6	37.6
92.5°	39.6	106.9	174.3	191.1	268.6	372.0	423.7	371.3	266.6	188.0	180.6
95°	95.0	218.3	341.5	372.3	661.0	1046.0	1238.4	1105.1	838.5	638.5	615.9
97.5°	164.3	273.0	381.7	408.9	890.3	1532.3	1853.2	1769.0	1600.4	1474.1	1430.9
100°	217.8	316.3	414.9	439.6	973.8	1686.1	2042.3	2048.4	2060.8	2070.0	2018.7
102.5°	263.3	355.2	447.2	470.3	1012.1	1734.6	2095.7	2203.1	2417.8	2578.8	2534.8
105°	340.5	418.4	496.3	515.8	1040.4	1740.0	2089.8	2330.4	2811.8	3172.8	3149.2
107.5°	419.8	492.3	564.9	583.1	1045.7	1662.6	1971.0	2306.7	2978.1	3481.7	3487.4
110°	473.2	538.8	604.4	620.7	1037.8	1593.9	1872.0	2247.4	2997.9	3560.8	3585.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	525.7	588.1	650.7	666.2	1038.1	1534.0	1781.9	2166.0	2934.2	3510.3	3548.2
115°	604.9	662.5	720.1	734.5	1047.7	1465.3	1674.1	2044.0	2784.1	3339.1	3391.6
117.5°	683.1	735.5	787.7	800.8	1067.2	1422.2	1599.8	1933.7	2601.6	3102.5	3160.7
120°	728.6	777.9	827.1	839.5	1083.0	1407.7	1570.0	1875.2	2485.4	2943.1	2999.6
122.5°	773.1	822.8	872.5	885.0	1105.7	1400.1	1547.3	1822.0	2371.6	2783.8	2839.5
125°	841.5	886.8	932.1	943.4	1136.4	1393.8	1522.5	1756.0	2222.8	2572.9	2624.2
127.5°	896.9	942.7	988.4	999.9	1167.2	1390.2	1501.8	1702.2	2103.0	2403.6	2446.9
130°	926.6	975.9	1025.1	1037.5	1189.6	1392.4	1493.8	1672.2	2029.1	2296.7	2336.8
132.5°	957.2	1006.6	1055.8	1068.1	1207.7	1393.8	1486.9	1646.6	1966.0	2205.6	2241.4
135°	1002.8	1047.7	1092.6	1103.8	1227.5	1392.5	1475.0	1608.8	1876.2	2076.9	2107.8
137.5°	1049.3	1093.8	1138.2	1149.3	1257.2	1401.1	1473.0	1586.1	1812.3	1981.9	2007.2
140°	1087.9	1128.8	1169.8	1180.0	1275.4	1402.5	1466.1	1563.8	1759.1	1905.7	1929.3
142.5°	1117.7	1155.5	1193.3	1202.7	1290.5	1407.6	1466.1	1551.9	1723.5	1852.2	1872.5
145°	1163.2	1196.1	1229.2	1237.4	1310.4	1407.6	1456.2	1526.3	1666.8	1772.0	1787.4
147.5°	1208.8	1240.9	1273.0	1281.0	1339.5	1417.3	1456.2	1511.4	1621.9	1704.7	1717.5
150°	1238.4	1267.5	1296.5	1303.8	1354.6	1422.3	1456.2	1502.8	1596.1	1666.1	1676.4
152.5°	1269.1	1291.1	1313.1	1318.6	1364.5	1425.6	1456.2	1496.0	1575.7	1635.4	1643.3
155°	1314.7	1330.9	1347.2	1351.3	1386.3	1432.9	1456.2	1487.9	1551.3	1598.8	1604.0
157.5°	1348.3	1364.1	1380.0	1383.9	1408.0	1440.1	1456.2	1480.8	1530.1	1567.1	1570.7
160°	1371.1	1383.4	1395.8	1398.8	1417.9	1443.5	1456.2	1477.3	1519.6	1551.2	1553.3
162.5°	1393.8	1403.0	1412.3	1414.6	1428.5	1446.9	1456.2	1474.0	1509.6	1536.4	1538.4
165°	1418.6	1427.0	1435.3	1437.4	1443.7	1452.0	1456.2	1469.0	1494.5	1513.6	1515.7
167.5°	1441.4	1445.3	1449.3	1450.3	1455.5	1462.6	1466.1	1474.4	1491.2	1503.7	1504.6
170°	1456.2	1460.2	1464.2	1465.2	1465.5	1465.9	1466.1	1474.4	1491.2	1503.7	1503.7
172.5°	1464.1	1465.0	1465.9	1466.1	1466.1	1466.1	1466.1	1472.7	1485.9	1495.9	1495.1
175°	1475.0	1475.0	1475.0	1475.0	1472.0	1468.1	1466.1	1470.3	1478.6	1485.0	1485.0
177.5°	1475.0	1475.0	1475.0	1475.0	1472.7	1469.7	1468.1	1471.4	1478.0	1482.9	1482.1
180°	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4
2.5°	1390.0	1386.2	1390.0	1387.4	1388.7	1384.9	1373.3	1369.5	1373.3	1377.2	1377.2
5°	1406.7	1404.1	1406.7	1406.7	1405.4	1402.8	1390.0	1387.4	1390.0	1391.3	1388.7
7.5°	1411.8	1408.0	1411.8	1409.2	1409.2	1406.7	1393.8	1391.3	1392.6	1396.4	1392.6
10°	1411.8	1408.0	1411.8	1410.5	1409.2	1406.7	1393.8	1388.7	1388.7	1392.6	1388.7
12.5°	1405.4	1402.8	1405.4	1402.8	1402.8	1400.3	1387.4	1382.3	1383.6	1384.9	1379.7
15°	1395.1	1391.3	1395.1	1392.6	1393.8	1390.0	1375.9	1370.8	1370.8	1373.3	1364.3
17.5°	1379.7	1374.6	1379.7	1378.5	1377.2	1374.6	1361.8	1356.7	1355.4	1356.7	1350.3
20°	1361.8	1357.9	1361.8	1360.5	1360.5	1355.4	1342.5	1336.1	1336.1	1336.1	1329.7
22.5°	1333.6	1329.7	1333.6	1336.1	1336.1	1334.9	1323.3	1314.3	1311.8	1311.8	1304.1
25°	1301.5	1297.7	1301.5	1301.5	1300.3	1301.5	1297.7	1292.5	1288.7	1284.9	1277.1
27.5°	1270.7	1268.2	1270.7	1268.2	1270.7	1266.9	1265.6	1264.3	1259.2	1255.3	1245.1
30°	1239.9	1237.4	1239.9	1237.4	1234.9	1232.3	1225.9	1223.3	1228.5	1225.9	1209.2
32.5°	1201.5	1198.9	1201.5	1201.5	1198.9	1198.9	1188.7	1184.9	1186.1	1193.9	1178.5
35°	1161.7	1157.9	1161.7	1160.5	1161.7	1157.9	1151.5	1150.3	1145.1	1154.1	1142.5
37.5°	1115.6	1111.7	1115.6	1115.6	1115.6	1118.1	1113.1	1109.2	1101.5	1113.1	1104.1
40°	1068.1	1063.0	1068.1	1066.9	1068.1	1070.7	1068.1	1065.6	1057.9	1066.9	1059.2
42.5°	1014.3	1013.0	1014.3	1015.6	1015.6	1020.7	1024.5	1019.4	1016.9	1010.4	1015.6
45°	956.6	954.0	956.6	959.2	960.4	963.0	974.5	974.5	970.7	960.4	968.1
47.5°	895.0	888.6	895.0	902.8	902.8	906.6	918.1	927.1	920.7	907.8	911.7
50°	829.6	831.0	829.6	834.8	834.8	848.8	857.8	866.8	873.2	857.8	839.9
52.5°	765.6	764.2	765.6	769.4	774.5	781.0	796.3	805.2	815.6	806.6	778.4
55°	701.4	704.0	701.4	702.7	705.2	709.1	732.2	741.2	760.4	748.8	719.4
57.5°	637.3	633.4	637.3	639.9	641.2	645.0	664.2	680.9	692.4	693.7	657.8
60°	562.9	557.8	562.9	574.5	577.0	579.6	597.5	612.9	623.2	627.0	589.9
62.5°	497.5	488.5	497.5	505.2	510.3	516.7	529.6	552.7	561.6	562.9	510.3
65°	428.3	424.5	428.3	443.7	444.9	452.7	466.7	483.4	502.7	500.1	424.5
67.5°	365.5	365.5	365.5	375.7	383.5	387.3	405.2	412.9	437.3	439.9	353.9
70°	307.7	306.5	307.7	315.5	320.5	329.5	346.3	355.2	374.5	380.9	287.3
72.5°	252.6	251.3	252.6	259.0	264.1	271.9	285.9	296.2	312.9	320.5	223.1
75°	203.9	201.3	203.9	209.0	207.7	218.0	229.5	239.8	255.2	260.3	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°	116.7	115.4	116.7	118.0	118.0	123.1	132.1	141.0	148.8	148.8	83.4
82.5°	82.0	79.5	82.0	82.0	82.0	84.6	89.8	92.3	97.4	101.3	52.6
85°	51.3	51.3	51.3	52.6	51.3	53.8	55.2	57.7	57.7	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	75.2	64.7	43.6	27.7
92.5°	150.7	120.7	150.7	180.6	188.0	266.6	371.3	423.7	372.0	268.6	191.1
95°	525.2	434.6	525.2	615.9	638.5	838.5	1105.1	1238.4	1046.0	661.0	372.3
97.5°	1258.5	1086.0	1258.5	1430.9	1474.1	1600.4	1769.0	1853.2	1532.3	890.3	408.9
100°	1813.1	1607.7	1813.1	2018.7	2070.0	2060.8	2048.4	2042.3	1686.1	973.8	439.6
102.5°	2358.8	2182.8	2358.8	2534.8	2578.8	2417.8	2203.1	2095.7	1734.6	1012.1	470.3
105°	3054.5	2960.0	3054.5	3149.2	3172.8	2811.8	2330.4	2089.8	1740.0	1040.4	515.8
107.5°	3510.2	3533.1	3510.2	3487.4	3481.7	2978.1	2306.7	1971.0	1662.6	1045.7	583.1
110°	3684.0	3782.6	3684.0	3585.5	3560.8	2997.9	2247.4	1872.0	1593.9	1037.8	620.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3699.5	3850.9	3699.5	3548.2	3510.3	2934.2	2166.0	1781.9	1534.0	1038.1	666.2
115°	3601.4	3811.3	3601.4	3391.6	3339.1	2784.1	2044.0	1674.1	1465.3	1047.7	734.5
117.5°	3393.4	3626.2	3393.4	3160.7	3102.5	2601.6	1933.7	1599.8	1422.2	1067.2	800.8
120°	3225.8	3451.9	3225.8	2999.6	2943.1	2485.4	1875.2	1570.0	1407.7	1083.0	839.5
122.5°	3062.6	3285.7	3062.6	2839.5	2783.8	2371.6	1822.0	1547.3	1400.1	1105.7	885.0
125°	2829.8	3035.2	2829.8	2624.2	2572.9	2222.8	1756.0	1522.5	1393.8	1136.4	943.4
127.5°	2620.3	2793.6	2620.3	2446.9	2403.6	2103.0	1702.2	1501.8	1390.2	1167.2	999.9
130°	2496.9	2657.0	2496.9	2336.8	2296.7	2029.1	1672.2	1493.8	1392.4	1189.6	1037.5
132.5°	2384.9	2528.3	2384.9	2241.4	2205.6	1966.0	1646.6	1486.9	1393.8	1207.7	1068.1
135°	2231.5	2355.1	2231.5	2107.8	2076.9	1876.2	1608.8	1475.0	1392.5	1227.5	1103.8
137.5°	2108.4	2209.6	2108.4	2007.2	1981.9	1812.3	1586.1	1473.0	1401.1	1257.2	1149.3
140°	2023.9	2118.5	2023.9	1929.3	1905.7	1759.1	1563.8	1466.1	1402.5	1275.4	1180.0
142.5°	1953.9	2035.3	1953.9	1872.5	1852.2	1723.5	1551.9	1466.1	1407.6	1290.5	1202.7
145°	1849.0	1910.6	1849.0	1787.4	1772.0	1666.8	1526.3	1456.2	1407.6	1310.4	1237.4
147.5°	1768.5	1819.6	1768.5	1717.5	1704.7	1621.9	1511.4	1456.2	1417.3	1339.5	1281.0
150°	1717.8	1759.1	1717.8	1676.4	1666.1	1596.1	1502.8	1456.2	1422.3	1354.6	1303.8
152.5°	1674.4	1705.7	1674.4	1643.3	1635.4	1575.7	1496.0	1456.2	1425.6	1364.5	1318.6
155°	1624.6	1645.3	1624.6	1604.0	1598.8	1551.3	1487.9	1456.2	1432.9	1386.3	1351.3
157.5°	1585.2	1599.8	1585.2	1570.7	1567.1	1530.1	1480.8	1456.2	1440.1	1408.0	1383.9
160°	1561.6	1570.0	1561.6	1553.3	1551.2	1519.6	1477.3	1456.2	1443.5	1417.9	1398.8
162.5°	1546.3	1554.3	1546.3	1538.4	1536.4	1509.6	1474.0	1456.2	1446.9	1428.5	1414.6
165°	1524.1	1532.5	1524.1	1515.7	1513.6	1494.5	1469.0	1456.2	1452.0	1443.7	1437.4
167.5°	1508.1	1511.6	1508.1	1504.6	1503.7	1491.2	1474.4	1466.1	1462.6	1455.5	1450.3
170°	1503.7	1503.7	1503.7	1503.7	1503.7	1491.2	1474.4	1466.1	1465.9	1465.5	1465.2
172.5°	1491.9	1488.9	1491.9	1495.1	1495.9	1485.9	1472.7	1466.1	1466.1	1466.1	1466.1
175°	1485.0	1485.0	1485.0	1485.0	1485.0	1478.6	1470.3	1466.1	1468.1	1472.0	1475.0
177.5°	1478.5	1475.0	1478.5	1482.1	1482.9	1478.0	1471.4	1468.1	1469.7	1472.7	1475.0
180°	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4
2.5°	1374.6	1366.9	1366.9	1354.1	1349.0	1345.1	1338.7	1319.5	1314.3	1309.2	1316.9
5°	1386.2	1372.1	1361.8	1338.7	1319.5	1311.8	1287.4	1241.3	1210.5	1187.4	1174.5
7.5°	1388.7	1370.8	1351.5	1315.6	1269.5	1248.9	1174.5	1089.9	1066.9	1046.3	1033.5
10°	1386.2	1365.6	1338.7	1284.9	1175.9	1139.9	1065.6	1010.4	996.3	992.5	996.3
12.5°	1377.2	1357.9	1320.7	1231.0	1078.4	1054.1	1010.4	978.4	975.8	982.2	1016.9
15°	1361.8	1343.8	1300.3	1159.1	1024.5	1006.6	975.8	964.3	978.4	1023.3	1127.1
17.5°	1346.4	1325.9	1272.1	1088.7	983.5	970.7	948.9	972.0	1051.5	1111.7	1146.3
20°	1325.9	1301.5	1239.9	1037.4	954.0	942.5	932.2	1036.1	1096.3	1118.1	1137.4
22.5°	1301.5	1275.9	1196.3	1001.5	923.2	914.3	920.7	1072.0	1096.3	1111.7	1128.4
25°	1269.5	1247.7	1145.1	973.3	898.9	888.6	913.0	1068.1	1082.3	1086.1	1119.5
27.5°	1239.9	1211.7	1091.3	947.6	869.4	865.6	919.4	1051.5	1061.7	1065.6	1101.5
30°	1204.1	1161.7	1031.0	920.7	838.6	837.4	920.7	1031.0	1028.4	1038.7	1074.5
32.5°	1166.9	1087.4	963.0	887.4	809.2	807.8	911.7	1000.2	997.6	1011.7	1038.7
35°	1132.3	1029.7	870.6	848.8	772.0	773.2	889.9	964.3	965.6	978.4	995.1
37.5°	1096.3	979.7	769.4	806.6	736.0	736.0	860.4	931.0	928.4	932.2	955.3
40°	1054.1	901.4	679.6	751.4	702.7	698.8	824.6	895.0	886.0	884.8	916.8
42.5°	1009.2	815.6	612.9	678.4	664.2	659.1	781.0	851.4	834.8	838.6	879.6
45°	960.4	792.4	561.6	573.2	624.5	620.6	733.4	801.4	789.8	800.2	842.4
47.5°	911.7	746.3	545.0	475.7	582.2	580.9	680.9	752.7	746.3	756.6	801.4
50°	845.0	695.0	543.7	407.7	534.7	539.9	618.1	705.2	705.2	714.2	761.6
52.5°	759.2	632.2	493.7	369.3	479.5	494.9	562.9	664.2	666.8	675.8	718.1
55°	680.9	566.8	457.7	339.8	414.1	447.5	509.1	621.9	627.0	636.0	674.5
57.5°	609.1	471.9	450.1	305.2	353.9	385.9	461.7	580.9	583.4	591.1	628.3
60°	532.1	341.1	412.9	268.0	301.3	325.7	418.1	532.1	541.1	546.3	578.3
62.5°	444.9	247.5	374.5	242.3	275.7	280.8	382.1	486.0	497.5	501.4	520.6
65°	316.7	207.7	318.0	220.5	248.8	250.1	343.7	438.5	448.8	455.2	469.3
67.5°	214.1	169.3	242.3	200.0	228.3	229.5	306.5	383.5	397.5	402.7	411.7
70°	148.8	112.8	179.5	178.2	205.2	207.7	266.7	333.4	346.3	350.1	355.2
72.5°	109.0	91.0	148.8	160.3	180.8	183.4	225.7	277.0	289.8	293.7	296.2
75°	83.4	96.2	120.6	139.8	153.9	155.2	184.6	225.7	234.7	237.2	238.5
77.5°	66.6	89.8	88.5	112.8	125.6	123.1	144.9	174.4	182.1	182.1	182.1
80°	50.0	70.6	66.6	80.8	92.3	89.8	103.8	124.4	127.0	129.5	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°	14.1	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	75.2	66.8	50.1
92.5°	174.3	106.9	39.6	106.9	174.3	191.1	268.6	372.0	423.7	371.3	266.6
95°	341.5	218.3	95.0	218.3	341.5	372.3	661.0	1046.0	1238.4	1105.1	838.5
97.5°	381.7	273.0	164.3	273.0	381.7	408.9	890.3	1532.3	1853.2	1769.0	1600.4
100°	414.9	316.3	217.8	316.3	414.9	439.6	973.8	1686.1	2042.3	2048.4	2060.8
102.5°	447.2	355.2	263.3	355.2	447.2	470.3	1012.1	1734.6	2095.7	2203.1	2417.8
105°	496.3	418.4	340.5	418.4	496.3	515.8	1040.4	1740.0	2089.8	2330.4	2811.8
107.5°	564.9	492.3	419.8	492.3	564.9	583.1	1045.7	1662.6	1971.0	2306.7	2978.1
110°	604.4	538.8	473.2	538.8	604.4	620.7	1037.8	1593.9	1872.0	2247.4	2997.9



TEST NUMBER: P935412

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	650.7	588.1	525.7	588.1	650.7	666.2	1038.1	1534.0	1781.9	2166.0	2934.2
115°	720.1	662.5	604.9	662.5	720.1	734.5	1047.7	1465.3	1674.1	2044.0	2784.1
117.5°	787.7	735.5	683.1	735.5	787.7	800.8	1067.2	1422.2	1599.8	1933.7	2601.6
120°	827.1	777.9	728.6	777.9	827.1	839.5	1083.0	1407.7	1570.0	1875.2	2485.4
122.5°	872.5	822.8	773.1	822.8	872.5	885.0	1105.7	1400.1	1547.3	1822.0	2371.6
125°	932.1	886.8	841.5	886.8	932.1	943.4	1136.4	1393.8	1522.5	1756.0	2222.8
127.5°	988.4	942.7	896.9	942.7	988.4	999.9	1167.2	1390.2	1501.8	1702.2	2103.0
130°	1025.1	975.9	926.6	975.9	1025.1	1037.5	1189.6	1392.4	1493.8	1672.2	2029.1
132.5°	1055.8	1006.6	957.2	1006.6	1055.8	1068.1	1207.7	1393.8	1486.9	1646.6	1966.0
135°	1092.6	1047.7	1002.8	1047.7	1092.6	1103.8	1227.5	1392.5	1475.0	1608.8	1876.2
137.5°	1138.2	1093.8	1049.3	1093.8	1138.2	1149.3	1257.2	1401.1	1473.0	1586.1	1812.3
140°	1169.8	1128.8	1087.9	1128.8	1169.8	1180.0	1275.4	1402.5	1466.1	1563.8	1759.1
142.5°	1193.3	1155.5	1117.7	1155.5	1193.3	1202.7	1290.5	1407.6	1466.1	1551.9	1723.5
145°	1229.2	1196.1	1163.2	1196.1	1229.2	1237.4	1310.4	1407.6	1456.2	1526.3	1666.8
147.5°	1273.0	1240.9	1208.8	1240.9	1273.0	1281.0	1339.5	1417.3	1456.2	1511.4	1621.9
150°	1296.5	1267.5	1238.4	1267.5	1296.5	1303.8	1354.6	1422.3	1456.2	1502.8	1596.1
152.5°	1313.1	1291.1	1269.1	1291.1	1313.1	1318.6	1364.5	1425.6	1456.2	1496.0	1575.7
155°	1347.2	1330.9	1314.7	1330.9	1347.2	1351.3	1386.3	1432.9	1456.2	1487.9	1551.3
157.5°	1380.0	1364.1	1348.3	1364.1	1380.0	1383.9	1408.0	1440.1	1456.2	1480.8	1530.1
160°	1395.8	1383.4	1371.1	1383.4	1395.8	1398.8	1417.9	1443.5	1456.2	1477.3	1519.6
162.5°	1412.3	1403.0	1393.8	1403.0	1412.3	1414.6	1428.5	1446.9	1456.2	1474.0	1509.6
165°	1435.3	1427.0	1418.6	1427.0	1435.3	1437.4	1443.7	1452.0	1456.2	1469.0	1494.5
167.5°	1449.3	1445.3	1441.4	1445.3	1449.3	1450.3	1455.5	1462.6	1466.1	1474.4	1491.2
170°	1464.2	1460.2	1456.2	1460.2	1464.2	1465.2	1465.5	1465.9	1466.1	1474.4	1491.2
172.5°	1465.9	1465.0	1464.1	1465.0	1465.9	1466.1	1466.1	1466.1	1466.1	1472.7	1485.9
175°	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1472.0	1468.1	1466.1	1470.3	1478.6
177.5°	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1472.7	1469.7	1468.1	1471.4	1478.0
180°	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4
2.5°	1307.9	1304.1	1309.2	1295.1	1309.2	1304.1	1307.9	1316.9	1309.2	1314.3	1319.5
5°	1147.7	1141.3	1120.7	1104.1	1120.7	1141.3	1147.7	1174.5	1187.4	1210.5	1241.3
7.5°	1025.8	1020.7	1015.6	1005.3	1015.6	1020.7	1025.8	1033.5	1046.3	1066.9	1089.9
10°	998.9	1000.2	1007.9	1006.6	1007.9	1000.2	998.9	996.3	992.5	996.3	1010.4
12.5°	1068.1	1079.7	1122.0	1119.5	1122.0	1079.7	1068.1	1016.9	982.2	975.8	978.4
15°	1147.7	1151.5	1160.5	1161.7	1160.5	1151.5	1147.7	1127.1	1023.3	978.4	964.3
17.5°	1155.3	1156.7	1163.1	1163.1	1163.1	1156.7	1155.3	1146.3	1111.7	1051.5	972.0
20°	1148.9	1151.5	1164.3	1166.9	1164.3	1151.5	1148.9	1137.4	1118.1	1096.3	1036.1
22.5°	1146.3	1151.5	1161.7	1160.5	1161.7	1151.5	1146.3	1128.4	1111.7	1096.3	1072.0
25°	1133.5	1133.5	1134.9	1136.1	1134.9	1133.5	1133.5	1119.5	1086.1	1082.3	1068.1
27.5°	1106.6	1109.2	1116.9	1115.6	1116.9	1109.2	1106.6	1101.5	1065.6	1061.7	1051.5
30°	1082.3	1079.7	1073.3	1068.1	1073.3	1079.7	1082.3	1074.5	1038.7	1028.4	1031.0
32.5°	1041.2	1034.8	1028.4	1024.5	1028.4	1034.8	1041.2	1038.7	1011.7	997.6	1000.2
35°	992.5	993.8	992.5	988.6	992.5	993.8	992.5	995.1	978.4	965.6	964.3
37.5°	957.9	960.4	959.2	954.0	959.2	960.4	957.9	955.3	932.2	928.4	931.0
40°	922.0	923.2	922.0	918.1	922.0	923.2	922.0	916.8	884.8	886.0	895.0
42.5°	887.4	886.0	882.2	879.6	882.2	886.0	887.4	879.6	838.6	834.8	851.4
45°	847.6	848.8	841.2	837.4	841.2	848.8	847.6	842.4	800.2	789.8	801.4
47.5°	807.8	807.8	801.4	797.6	801.4	807.8	807.8	801.4	756.6	746.3	752.7
50°	765.6	764.2	755.2	754.0	755.2	764.2	765.6	761.6	714.2	705.2	705.2
52.5°	716.8	716.8	718.1	720.6	718.1	716.8	716.8	718.1	675.8	666.8	664.2
55°	674.5	675.8	684.8	687.3	684.8	675.8	674.5	674.5	636.0	627.0	621.9
57.5°	630.9	630.9	637.3	637.3	637.3	630.9	630.9	628.3	591.1	583.4	580.9
60°	580.9	583.4	588.6	587.3	588.6	583.4	580.9	578.3	546.3	541.1	532.1
62.5°	528.3	530.9	532.1	529.6	532.1	530.9	528.3	520.6	501.4	497.5	486.0
65°	473.1	475.7	477.0	474.5	477.0	475.7	473.1	469.3	455.2	448.8	438.5
67.5°	416.7	415.5	414.1	419.3	414.1	415.5	416.7	411.7	402.7	397.5	383.5
70°	359.1	359.1	357.7	360.3	357.7	359.1	359.1	355.2	350.1	346.3	333.4
72.5°	297.5	296.2	301.3	297.5	301.3	296.2	297.5	296.2	293.7	289.8	277.0
75°	237.2	239.8	237.2	241.1	237.2	239.8	237.2	238.5	237.2	234.7	225.7
77.5°	180.8	183.4	180.8	180.8	180.8	183.4	180.8	182.1	182.1	182.1	174.4
80°	128.2	127.0	127.0	125.6	127.0	127.0	128.2	128.2	129.5	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	75.2	64.7
92.5°	188.0	180.6	150.7	120.7	150.7	180.6	188.0	266.6	371.3	423.7	372.0
95°	638.5	615.9	525.2	434.6	525.2	615.9	638.5	838.5	1105.1	1238.4	1046.0
97.5°	1474.1	1430.9	1258.5	1086.0	1258.5	1430.9	1474.1	1600.4	1769.0	1853.2	1532.3
100°	2070.0	2018.7	1813.1	1607.7	1813.1	2018.7	2070.0	2060.8	2048.4	2042.3	1686.1
102.5°	2578.8	2534.8	2358.8	2182.8	2358.8	2534.8	2578.8	2417.8	2203.1	2095.7	1734.6
105°	3172.8	3149.2	3054.5	2960.0	3054.5	3149.2	3172.8	2811.8	2330.4	2089.8	1740.0
107.5°	3481.7	3487.4	3510.2	3533.1	3510.2	3487.4	3481.7	2978.1	2306.7	1971.0	1662.6
110°	3560.8	3585.5	3684.0	3782.6	3684.0	3585.5	3560.8	2997.9	2247.4	1872.0	1593.9



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3510.3	3548.2	3699.5	3850.9	3699.5	3548.2	3510.3	2934.2	2166.0	1781.9	1534.0
115°	3339.1	3391.6	3601.4	3811.3	3601.4	3391.6	3339.1	2784.1	2044.0	1674.1	1465.3
117.5°	3102.5	3160.7	3393.4	3626.2	3393.4	3160.7	3102.5	2601.6	1933.7	1599.8	1422.2
120°	2943.1	2999.6	3225.8	3451.9	3225.8	2999.6	2943.1	2485.4	1875.2	1570.0	1407.7
122.5°	2783.8	2839.5	3062.6	3285.7	3062.6	2839.5	2783.8	2371.6	1822.0	1547.3	1400.1
125°	2572.9	2624.2	2829.8	3035.2	2829.8	2624.2	2572.9	2222.8	1756.0	1522.5	1393.8
127.5°	2403.6	2446.9	2620.3	2793.6	2620.3	2446.9	2403.6	2103.0	1702.2	1501.8	1390.2
130°	2296.7	2336.8	2496.9	2657.0	2496.9	2336.8	2296.7	2029.1	1672.2	1493.8	1392.4
132.5°	2205.6	2241.4	2384.9	2528.3	2384.9	2241.4	2205.6	1966.0	1646.6	1486.9	1393.8
135°	2076.9	2107.8	2231.5	2355.1	2231.5	2107.8	2076.9	1876.2	1608.8	1475.0	1392.5
137.5°	1981.9	2007.2	2108.4	2209.6	2108.4	2007.2	1981.9	1812.3	1586.1	1473.0	1401.1
140°	1905.7	1929.3	2023.9	2118.5	2023.9	1929.3	1905.7	1759.1	1563.8	1466.1	1402.5
142.5°	1852.2	1872.5	1953.9	2035.3	1953.9	1872.5	1852.2	1723.5	1551.9	1466.1	1407.6
145°	1772.0	1787.4	1849.0	1910.6	1849.0	1787.4	1772.0	1666.8	1526.3	1456.2	1407.6
147.5°	1704.7	1717.5	1768.5	1819.6	1768.5	1717.5	1704.7	1621.9	1511.4	1456.2	1417.3
150°	1666.1	1676.4	1717.8	1759.1	1717.8	1676.4	1666.1	1596.1	1502.8	1456.2	1422.3
152.5°	1635.4	1643.3	1674.4	1705.7	1674.4	1643.3	1635.4	1575.7	1496.0	1456.2	1425.6
155°	1598.8	1604.0	1624.6	1645.3	1624.6	1604.0	1598.8	1551.3	1487.9	1456.2	1432.9
157.5°	1567.1	1570.7	1585.2	1599.8	1585.2	1570.7	1567.1	1530.1	1480.8	1456.2	1440.1
160°	1551.2	1553.3	1561.6	1570.0	1561.6	1553.3	1551.2	1519.6	1477.3	1456.2	1443.5
162.5°	1536.4	1538.4	1546.3	1554.3	1546.3	1538.4	1536.4	1509.6	1474.0	1456.2	1446.9
165°	1513.6	1515.7	1524.1	1532.5	1524.1	1515.7	1513.6	1494.5	1469.0	1456.2	1452.0
167.5°	1503.7	1504.6	1508.1	1511.6	1508.1	1504.6	1503.7	1491.2	1474.4	1466.1	1462.6
170°	1503.7	1503.7	1503.7	1503.7	1503.7	1503.7	1503.7	1491.2	1474.4	1466.1	1465.9
172.5°	1495.9	1495.1	1491.9	1488.9	1491.9	1495.1	1495.9	1485.9	1472.7	1466.1	1466.1
175°	1485.0	1485.0	1485.0	1485.0	1485.0	1485.0	1485.0	1478.6	1470.3	1466.1	1468.1
177.5°	1482.9	1482.1	1478.5	1475.0	1478.5	1482.1	1482.9	1478.0	1471.4	1468.1	1469.7
180°	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1355.4	1355.4	1355.4	1355.4	1355.4
2.5°	1338.7	1345.1	1349.0	1354.1	1366.9
5°	1287.4	1311.8	1319.5	1338.7	1361.8
7.5°	1174.5	1248.9	1269.5	1315.6	1351.5
10°	1065.6	1139.9	1175.9	1284.9	1338.7
12.5°	1010.4	1054.1	1078.4	1231.0	1320.7
15°	975.8	1006.6	1024.5	1159.1	1300.3
17.5°	948.9	970.7	983.5	1088.7	1272.1
20°	932.2	942.5	954.0	1037.4	1239.9
22.5°	920.7	914.3	923.2	1001.5	1196.3
25°	913.0	888.6	898.9	973.3	1145.1
27.5°	919.4	865.6	869.4	947.6	1091.3
30°	920.7	837.4	838.6	920.7	1031.0
32.5°	911.7	807.8	809.2	887.4	963.0
35°	889.9	773.2	772.0	848.8	870.6
37.5°	860.4	736.0	736.0	806.6	769.4
40°	824.6	698.8	702.7	751.4	679.6
42.5°	781.0	659.1	664.2	678.4	612.9
45°	733.4	620.6	624.5	573.2	561.6
47.5°	680.9	580.9	582.2	475.7	545.0
50°	618.1	539.9	534.7	407.7	543.7
52.5°	562.9	494.9	479.5	369.3	493.7
55°	509.1	447.5	414.1	339.8	457.7
57.5°	461.7	385.9	353.9	305.2	450.1
60°	418.1	325.7	301.3	268.0	412.9
62.5°	382.1	280.8	275.7	242.3	374.5
65°	343.7	250.1	248.8	220.5	318.0
67.5°	306.5	229.5	228.3	200.0	242.3
70°	266.7	207.7	205.2	178.2	179.5
72.5°	225.7	183.4	180.8	160.3	148.8
75°	184.6	155.2	153.9	139.8	120.6
77.5°	144.9	123.1	125.6	112.8	88.5
80°	103.8	89.8	92.3	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°	268.6	191.1	174.3	106.9	39.6
95°	661.0	372.3	341.5	218.3	95.0
97.5°	890.3	408.9	381.7	273.0	164.3
100°	973.8	439.6	414.9	316.3	217.8
102.5°	1012.1	470.3	447.2	355.2	263.3
105°	1040.4	515.8	496.3	418.4	340.5
107.5°	1045.7	583.1	564.9	492.3	419.8
110°	1037.8	620.7	604.4	538.8	473.2



TEST NUMBER: P935412

CATALOG NUMBER: SQ4-FA-125U-050D-830-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1038.1	666.2	650.7	588.1	525.7
115°	1047.7	734.5	720.1	662.5	604.9
117.5°	1067.2	800.8	787.7	735.5	683.1
120°	1083.0	839.5	827.1	777.9	728.6
122.5°	1105.7	885.0	872.5	822.8	773.1
125°	1136.4	943.4	932.1	886.8	841.5
127.5°	1167.2	999.9	988.4	942.7	896.9
130°	1189.6	1037.5	1025.1	975.9	926.6
132.5°	1207.7	1068.1	1055.8	1006.6	957.2
135°	1227.5	1103.8	1092.6	1047.7	1002.8
137.5°	1257.2	1149.3	1138.2	1093.8	1049.3
140°	1275.4	1180.0	1169.8	1128.8	1087.9
142.5°	1290.5	1202.7	1193.3	1155.5	1117.7
145°	1310.4	1237.4	1229.2	1196.1	1163.2
147.5°	1339.5	1281.0	1273.0	1240.9	1208.8
150°	1354.6	1303.8	1296.5	1267.5	1238.4
152.5°	1364.5	1318.6	1313.1	1291.1	1269.1
155°	1386.3	1351.3	1347.2	1330.9	1314.7
157.5°	1408.0	1383.9	1380.0	1364.1	1348.3
160°	1417.9	1398.8	1395.8	1383.4	1371.1
162.5°	1428.5	1414.6	1412.3	1403.0	1393.8
165°	1443.7	1437.4	1435.3	1427.0	1418.6
167.5°	1455.5	1450.3	1449.3	1445.3	1441.4
170°	1465.5	1465.2	1464.2	1460.2	1456.2
172.5°	1466.1	1466.1	1465.9	1465.0	1464.1
175°	1472.0	1475.0	1475.0	1475.0	1475.0
177.5°	1472.7	1475.0	1475.0	1475.0	1475.0
180°	1475.0	1475.0	1475.0	1475.0	1475.0



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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	10.14	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	11.76	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	15.47	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	14.61	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	13.84	14.17	15.03	15.34	16.97
	6H	11.59	11.84	12.78	13.02	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