

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P333681

Luminaire Tested: **S125RDIW-S850D470U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333681
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIW-S850D470U835-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 470 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4903.6 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Semi-Direct

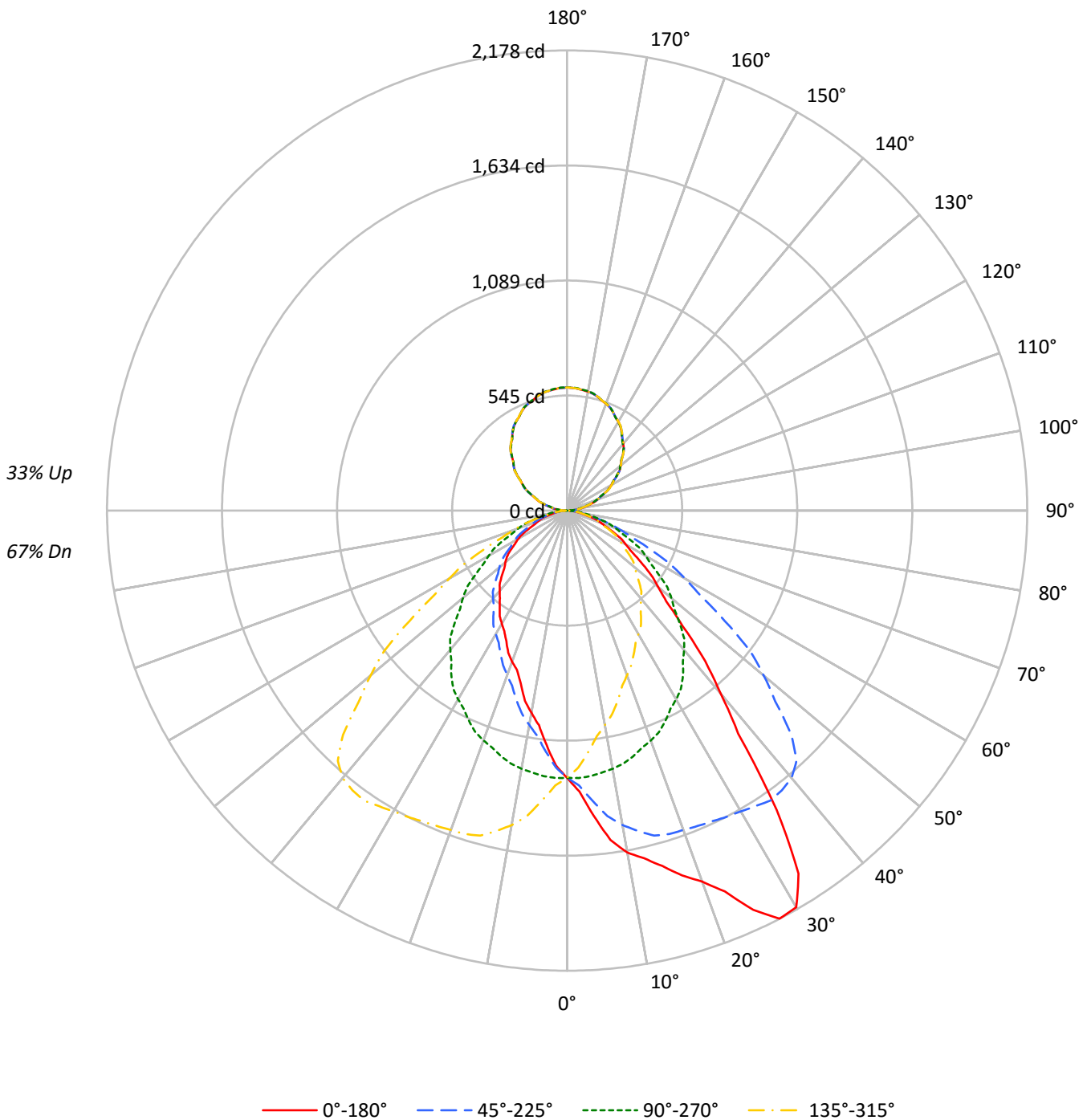
Input Watts (W): 37.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	111	111	111	111	105	105	105	105	93	93	93	82	82	82	72	72	72	67
1	102	98	94	91	96	92	89	86	82	80	78	73	71	69	64	63	62	58
2	93	86	80	75	88	82	76	72	73	69	65	65	62	59	57	55	53	49
3	86	76	69	63	80	72	66	60	65	59	55	58	54	50	51	48	45	42
4	79	68	60	54	74	64	57	52	58	52	48	52	47	43	46	42	40	36
5	72	61	53	47	68	58	50	45	52	46	41	47	42	38	42	38	35	32
6	67	55	47	41	63	52	45	39	47	41	36	42	37	33	38	34	31	28
7	62	50	41	36	58	47	40	35	43	37	32	39	34	30	35	31	27	25
8	58	45	37	32	54	43	36	31	39	33	29	35	30	27	32	28	25	22
9	54	41	34	29	51	39	32	28	36	30	26	33	28	24	29	25	22	20
10	50	38	31	26	47	36	30	25	33	27	23	30	25	22	27	23	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8169	8169	8169	8169
5°	9398	8180	7224	8180
10°	10781	8138	6374	8138
15°	11645	8055	5666	8055
20°	12841	7958	5232	7958
25°	14860	7829	4855	7829
30°	16171	7694	4608	7694
35°	13640	7536	4380	7536
40°	9526	7254	4185	7254
45°	7067	6872	3993	6872
50°	5635	6475	3829	6475
55°	4782	5981	3683	5981
60°	4132	5540	3447	5540
65°	3681	5063	2968	5063
70°	3237	4638	2706	4638
75°	2800	4017	2540	4017
80°	2124	3381	2124	3381
85°	1771	2653	2001	2653



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.3	2.5
10°-20°	355.5	7.2
20°-30°	563.6	11.5
30°-40°	679.7	13.9
40°-50°	607.0	12.4
50°-60°	465.5	9.5
60°-70°	302.5	6.2
70°-80°	147.1	3.0
80°-90°	36.4	0.7
90°-100°	39.0	0.8
100°-110°	115.2	2.3
110°-120°	195.1	4.0
120°-130°	256.8	5.2
130°-140°	287.7	5.9
140°-150°	282.0	5.8
150°-160°	236.9	4.8
160°-170°	157.4	3.2
170°-180°	55.1	1.1
0°-30°	1040.4	21.2
0°-40°	1720.1	35.1
0°-60°	2792.5	56.9
0°-90°	3278.4	66.9
90°-120°	349.3	7.1
90°-150°	1175.8	24.0
90°-180°	1625.0	33.1
0°-180°	4903.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1265	1265	1265	1265	1265	
5°	1450	1262	1114	1262	1450	145
15°	1742	1205	847	1205	1742	499
25°	2085	1099	681	1099	2085	957
35°	1730	956	556	956	1730	1045
45°	774	752	437	752	774	617
55°	425	531	327	531	425	385
65°	241	331	194	331	241	240
75°	112	161	102	161	112	119
85°	24	36	27	36	24	28
90°	11	0	11	0	11	7
95°	39	30	39	30	39	40
105°	112	103	112	103	112	119
115°	197	195	197	195	197	195
125°	287	285	287	285	287	256
135°	372	371	372	371	372	287
145°	451	449	451	449	451	282
155°	514	514	514	514	514	237
165°	558	559	558	559	558	157
175°	579	581	579	581	579	55
180°	582	582	582	582	582	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1330.5	1329.7	1331.4	1326.8	1327.2	1320.1	1320.1	1314.7	1307.7	1302.3	1299.8
5°	1449.7	1450.8	1448.7	1440.9	1435.7	1427.9	1419.1	1403.5	1390.5	1378.1	1368.2
7.5°	1572.5	1573.2	1566.4	1564.0	1550.9	1541.3	1521.7	1500.5	1481.7	1457.8	1439.6
10°	1643.9	1643.4	1636.2	1630.4	1619.0	1604.5	1585.3	1560.3	1537.0	1511.0	1486.1
12.5°	1685.5	1684.1	1681.8	1674.9	1664.3	1651.4	1635.1	1610.6	1581.8	1553.4	1524.3
15°	1741.6	1737.9	1731.2	1722.3	1707.3	1692.2	1674.1	1652.3	1624.7	1592.5	1565.5
17.5°	1810.9	1811.0	1800.7	1788.4	1767.9	1741.4	1713.3	1678.1	1640.7	1605.3	1576.5
20°	1868.3	1866.7	1856.3	1832.4	1809.1	1775.8	1743.6	1700.5	1654.8	1608.6	1572.8
22.5°	1950.5	1946.5	1935.7	1904.3	1868.1	1825.3	1776.0	1723.4	1668.1	1615.7	1568.7
25°	2085.3	2082.2	2060.9	2024.6	1973.7	1907.7	1843.3	1771.2	1691.7	1622.7	1565.5
27.5°	2177.5	2174.1	2158.3	2128.1	2081.2	2011.8	1924.6	1828.2	1729.0	1634.0	1551.6
30°	2168.4	2176.2	2174.1	2160.1	2124.8	2062.5	1982.0	1873.5	1755.6	1643.9	1545.8
32.5°	2037.9	2044.9	2063.2	2090.7	2092.8	2067.9	2007.7	1907.5	1785.5	1658.5	1541.2
35°	1730.1	1739.5	1774.8	1830.4	1903.0	1963.8	1976.3	1922.3	1812.7	1676.1	1534.4
37.5°	1330.1	1381.2	1410.9	1469.4	1579.2	1691.0	1798.5	1838.0	1791.4	1668.9	1523.3
40°	1129.9	1142.3	1195.3	1261.3	1353.7	1470.0	1623.2	1733.8	1737.4	1652.3	1505.8
42.5°	967.0	982.8	1019.2	1071.8	1151.0	1267.3	1425.4	1571.4	1639.0	1606.6	1483.0
45°	773.7	785.6	812.1	852.6	913.4	1009.4	1145.5	1314.2	1448.2	1500.6	1421.7
47.5°	635.6	642.0	665.1	695.9	740.9	810.9	916.2	1062.7	1223.4	1336.0	1324.9
50°	560.8	568.1	585.7	609.1	647.0	706.2	790.3	912.3	1078.0	1215.6	1243.1
52.5°	502.6	508.7	519.7	541.8	573.0	618.5	686.4	796.8	945.9	1092.2	1155.8
55°	424.7	428.9	437.7	450.2	475.1	507.8	566.5	642.8	763.3	910.8	1004.2
57.5°	360.6	362.6	368.3	379.8	397.0	420.9	463.3	528.0	614.4	747.2	850.3
60°	319.9	321.9	329.2	337.0	350.5	372.3	405.5	450.7	533.8	643.3	747.7
62.5°	287.5	288.7	291.8	299.6	311.4	328.3	354.4	391.3	457.4	553.6	652.2
65°	240.9	241.5	242.5	248.7	256.0	268.5	285.6	311.5	361.4	434.1	521.3
67.5°	196.3	197.0	200.6	202.8	210.4	216.9	227.0	246.9	282.0	331.0	398.8
70°	171.4	170.8	174.5	177.1	179.7	187.4	194.2	210.3	232.1	269.5	326.1
72.5°	148.1	146.7	148.3	149.2	152.7	158.0	164.7	174.6	191.4	217.1	260.5
75°	112.2	112.7	112.7	113.7	116.3	118.4	120.5	125.7	135.0	152.1	175.5
77.5°	78.7	77.9	80.1	80.4	81.9	84.2	86.0	88.1	91.9	99.0	111.0
80°	57.1	57.1	57.6	59.2	58.7	59.7	62.3	64.4	69.1	73.2	77.4
82.5°	43.8	43.4	43.9	44.2	44.1	45.2	46.1	46.5	48.3	50.4	53.3
85°	23.9	23.9	24.4	24.4	24.9	24.9	25.4	25.4	25.4	26.0	26.5
87.5°	11.3	10.8	10.4	10.3	10.7	11.4	10.9	10.4	10.3	10.2	10.4
90°	10.9	10.6	10.3	10.0	9.7	9.3	8.8	8.3	7.8	7.3	6.5
92.5°	21.4	21.2	20.9	20.7	20.5	20.1	19.4	18.7	18.1	17.4	16.5
95°	39.0	38.8	38.6	38.4	38.2	37.7	37.0	36.3	35.6	34.9	33.9
97.5°	59.1	59.0	58.9	58.7	58.6	58.2	57.6	56.9	56.2	55.6	54.2
100°	74.3	74.1	73.9	73.7	73.5	73.0	72.1	71.2	70.3	69.3	68.0
102.5°	89.6	89.3	89.0	88.7	88.4	87.8	86.8	85.8	84.8	83.8	83.2
105°	112.4	112.1	111.8	111.5	111.2	110.7	110.1	109.5	108.9	108.3	107.7
107.5°	135.8	135.8	135.8	135.9	135.9	135.7	135.4	135.1	134.8	134.5	134.1
110°	153.2	153.3	153.4	153.5	153.6	153.5	153.2	152.9	152.6	152.3	152.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	170.2	170.4	170.6	170.8	171.0	171.0	170.8	170.7	170.6	170.4	170.0
115°	197.2	197.3	197.4	197.5	197.6	197.7	197.8	197.9	198.0	198.1	197.9
117.5°	223.4	223.8	224.3	224.7	225.1	225.2	225.1	225.1	225.0	224.9	224.7
120°	241.6	242.0	242.4	242.8	243.2	243.4	243.4	243.4	243.4	243.4	243.3
122.5°	259.7	260.0	260.4	260.7	261.0	261.2	261.3	261.4	261.4	261.5	261.3
125°	286.9	287.0	287.1	287.2	287.3	287.5	287.7	287.9	288.1	288.3	288.2
127.5°	313.0	313.2	313.4	313.6	313.8	314.0	314.1	314.2	314.3	314.4	314.2
130°	330.4	330.6	330.8	331.0	331.2	331.4	331.5	331.6	331.7	331.8	331.6
132.5°	346.7	347.0	347.3	347.6	347.9	348.0	348.1	348.2	348.3	348.4	348.5
135°	372.1	372.5	372.9	373.3	373.7	373.9	373.9	373.9	373.9	373.9	373.8
137.5°	396.9	397.4	398.0	398.5	399.0	399.2	399.0	398.9	398.8	398.7	398.4
140°	412.9	413.4	413.9	414.4	414.9	415.1	414.9	414.7	414.5	414.3	414.0
142.5°	428.1	428.6	429.1	429.6	430.1	430.3	430.2	430.1	430.0	429.9	429.5
145°	451.0	451.3	451.6	451.9	452.2	452.3	452.3	452.3	452.3	452.3	452.0
147.5°	470.5	471.1	471.8	472.5	473.2	473.4	473.2	472.9	472.7	472.5	472.2
150°	485.0	485.2	485.4	485.6	485.8	485.9	485.9	485.9	485.9	485.9	485.5
152.5°	496.9	497.3	497.7	498.0	498.4	498.4	498.2	498.0	497.7	497.5	497.3
155°	514.0	514.5	515.0	515.5	516.0	516.0	515.6	515.2	514.8	514.4	514.3
157.5°	528.2	528.9	529.5	530.2	530.9	531.0	530.6	530.2	529.8	529.4	529.3
160°	538.0	538.5	539.0	539.5	540.0	540.1	539.7	539.3	538.9	538.4	538.3
162.5°	546.3	546.9	547.5	548.1	548.7	548.7	548.2	547.8	547.3	546.8	546.8
165°	557.5	558.1	558.7	559.3	559.9	560.0	559.6	559.2	558.8	558.4	558.3
167.5°	566.4	567.0	567.6	568.2	568.9	568.9	568.3	567.7	567.1	566.5	566.5
170°	571.1	571.8	572.5	573.2	573.9	574.0	573.3	572.7	572.1	571.5	571.5
172.5°	575.1	575.7	576.3	576.9	577.6	577.6	577.0	576.4	575.8	575.2	575.2
175°	578.8	579.5	580.2	580.9	581.6	581.7	581.1	580.4	579.8	579.2	579.2
177.5°	581.0	581.5	582.1	582.7	583.2	583.3	582.8	582.3	581.8	581.3	581.4
180°	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1299.8	1296.9	1291.5	1286.5	1280.3	1274.9	1271.1	1266.6	1260.7	1253.7	1247.9
5°	1357.3	1345.9	1330.8	1317.9	1301.2	1288.3	1274.8	1261.8	1248.8	1232.2	1217.6
7.5°	1421.1	1397.5	1374.6	1345.7	1319.5	1296.1	1273.7	1251.0	1228.8	1205.2	1182.4
10°	1460.1	1431.6	1399.9	1363.5	1330.3	1298.6	1269.6	1241.0	1210.9	1184.4	1155.8
12.5°	1496.7	1459.8	1423.6	1377.7	1337.8	1299.1	1262.1	1226.5	1194.3	1159.9	1129.3
15°	1529.7	1493.4	1452.9	1396.8	1341.2	1294.5	1250.9	1204.7	1164.7	1126.3	1092.0
17.5°	1542.5	1504.4	1457.3	1403.4	1342.7	1283.9	1227.7	1177.0	1130.0	1085.2	1046.7
20°	1537.5	1500.6	1452.3	1400.9	1336.0	1274.8	1214.0	1157.9	1105.5	1058.2	1017.2
22.5°	1525.4	1487.3	1440.7	1386.4	1324.8	1259.8	1194.9	1135.1	1080.1	1031.2	986.5
25°	1507.4	1455.5	1407.7	1354.7	1296.0	1231.7	1164.7	1098.7	1040.1	990.2	941.4
27.5°	1488.6	1423.8	1363.0	1310.4	1248.4	1190.9	1126.4	1058.7	997.1	946.3	896.2
30°	1471.6	1398.9	1331.9	1272.2	1213.5	1159.0	1097.7	1031.7	968.4	916.0	865.1
32.5°	1450.4	1373.1	1299.5	1230.6	1174.0	1119.9	1064.5	1001.4	939.7	885.6	833.9
35°	1423.8	1325.1	1245.2	1171.9	1109.1	1056.7	1006.8	955.9	894.1	838.1	787.7
37.5°	1388.9	1276.9	1184.4	1104.7	1038.4	985.7	946.4	899.9	843.5	789.8	743.0
40°	1367.7	1242.0	1140.8	1061.9	992.3	936.7	899.9	860.4	809.0	758.6	711.9
42.5°	1339.5	1210.1	1096.8	1014.5	944.5	891.0	853.7	819.3	776.2	728.7	678.7
45°	1284.1	1148.1	1029.2	940.9	870.3	817.8	783.0	752.4	719.7	676.1	632.4
47.5°	1212.0	1083.4	958.9	862.6	793.4	744.7	711.0	686.8	663.4	626.3	583.9
50°	1154.3	1030.2	908.7	815.2	741.5	695.3	663.6	644.4	623.1	589.3	554.0
52.5°	1086.2	975.4	856.3	760.8	691.2	647.9	617.5	598.3	580.7	553.2	519.6
55°	978.8	881.7	772.6	685.9	622.1	578.4	549.4	531.2	520.8	497.4	471.0
57.5°	854.9	785.3	689.1	605.5	549.1	506.0	484.7	469.2	457.5	440.9	422.3
60°	768.5	719.7	633.5	554.0	502.1	461.1	441.9	428.9	418.0	404.0	389.4
62.5°	680.8	645.3	570.3	502.1	454.3	420.0	402.0	390.3	377.7	368.3	354.1
65°	563.4	531.7	479.8	426.3	382.2	354.6	341.7	331.3	323.5	313.1	303.2
67.5°	438.2	425.4	389.5	352.7	321.0	296.5	285.3	278.0	268.7	262.4	255.7
70°	361.4	355.2	329.7	305.3	275.7	259.1	248.7	245.6	234.2	228.0	223.3
72.5°	293.3	290.4	275.7	258.8	237.9	223.4	213.8	210.3	203.0	198.0	195.0
75°	200.9	202.0	199.4	188.5	180.7	171.4	163.0	161.0	155.8	151.6	149.0
77.5°	127.1	132.4	132.6	132.1	129.0	123.3	119.8	118.3	113.2	111.6	111.0
80°	87.2	92.9	98.1	97.6	96.6	95.0	92.4	90.9	88.3	86.7	85.7
82.5°	58.2	63.5	67.8	70.6	70.4	68.9	67.1	66.4	65.8	64.7	64.5
85°	27.5	28.6	30.1	33.8	36.3	36.9	36.3	35.8	34.3	34.8	35.3
87.5°	10.7	10.6	10.9	10.7	10.1	12.0	13.1	13.4	12.7	12.0	11.4
90°	5.8	5.1	4.4	3.7	2.9	2.1	1.3	0.5	1.3	2.1	2.9
92.5°	15.7	14.8	13.9	13.2	12.7	12.1	11.5	11.0	11.5	12.1	12.7
95°	32.9	31.9	30.9	30.3	30.1	29.9	29.7	29.5	29.7	29.9	30.1
97.5°	52.8	51.4	50.0	49.3	49.2	49.1	49.0	48.9	49.0	49.1	49.2
100°	66.7	65.4	64.1	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
102.5°	82.5	81.9	81.2	80.7	80.3	79.9	79.4	79.0	79.4	79.9	80.3
105°	107.1	106.5	105.9	105.4	104.8	104.3	103.8	103.3	103.8	104.3	104.8
107.5°	133.6	133.1	132.7	132.2	131.7	131.2	130.7	130.2	130.7	131.2	131.7
110°	151.7	151.4	151.1	150.7	150.2	149.7	149.2	148.7	149.2	149.7	150.2



TEST NUMBER: P333681

CATALOG NUMBER: S125RDIW-S850D470U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	169.7	169.3	168.9	168.6	168.3	168.0	167.8	167.5	167.8	168.0	168.3
115°	197.7	197.5	197.3	197.0	196.6	196.2	195.7	195.3	195.7	196.2	196.6
117.5°	224.5	224.4	224.2	224.0	223.8	223.6	223.4	223.3	223.4	223.6	223.8
120°	243.2	243.1	243.0	242.7	242.2	241.7	241.2	240.7	241.2	241.7	242.2
122.5°	261.0	260.7	260.5	260.2	260.1	259.9	259.7	259.5	259.7	259.9	260.1
125°	288.1	288.0	287.9	287.5	286.9	286.3	285.7	285.1	285.7	286.3	286.9
127.5°	314.1	314.0	313.9	313.7	313.3	313.0	312.6	312.3	312.6	313.0	313.3
130°	331.4	331.2	331.0	330.6	330.1	329.6	329.1	328.6	329.1	329.6	330.1
132.5°	348.5	348.6	348.6	348.2	347.4	346.6	345.7	344.9	345.7	346.6	347.4
135°	373.7	373.6	373.5	373.2	372.6	372.0	371.4	370.7	371.4	372.0	372.6
137.5°	398.2	398.0	397.8	397.4	396.8	396.2	395.6	395.0	395.6	396.2	396.8
140°	413.7	413.4	413.1	412.6	412.1	411.6	411.1	410.6	411.1	411.6	412.1
142.5°	429.1	428.7	428.3	427.9	427.5	427.1	426.6	426.2	426.6	427.1	427.5
145°	451.7	451.4	451.1	450.8	450.4	450.0	449.6	449.2	449.6	450.0	450.4
147.5°	472.0	471.7	471.5	471.3	471.0	470.8	470.6	470.4	470.6	470.8	471.0
150°	485.1	484.7	484.3	484.1	484.2	484.3	484.4	484.5	484.4	484.3	484.2
152.5°	497.2	497.0	496.8	496.7	496.5	496.4	496.3	496.1	496.3	496.4	496.5
155°	514.2	514.1	514.0	514.0	514.0	514.0	514.0	514.0	514.0	514.0	514.0
157.5°	529.2	529.1	529.0	529.0	529.3	529.5	529.7	529.9	529.7	529.5	529.3
160°	538.2	538.1	538.0	538.1	538.4	538.7	539.1	539.4	539.1	538.7	538.4
162.5°	546.7	546.7	546.7	546.8	547.0	547.3	547.5	547.7	547.5	547.3	547.0
165°	558.2	558.1	558.0	558.0	558.2	558.4	558.6	558.8	558.6	558.4	558.2
167.5°	566.5	566.5	566.5	566.7	567.1	567.5	567.9	568.3	567.9	567.5	567.1
170°	571.5	571.5	571.5	571.7	572.1	572.5	572.9	573.3	572.9	572.5	572.1
172.5°	575.2	575.2	575.2	575.4	575.8	576.2	576.6	577.0	576.6	576.2	575.8
175°	579.2	579.2	579.2	579.4	579.8	580.2	580.6	581.1	580.6	580.2	579.8
177.5°	581.5	581.6	581.6	581.8	582.2	582.5	582.8	583.1	582.8	582.5	582.2
180°	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4



TEST NUMBER: P333681

CATALOG NUMBER: S125RDIW-S850D470U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1243.7	1237.9	1233.7	1225.4	1219.6	1217.1	1212.6	1211.3	1215.9	1212.6	1212.1
5°	1206.7	1191.7	1179.7	1167.8	1154.8	1146.5	1134.0	1132.0	1128.8	1124.2	1123.1
7.5°	1162.4	1142.8	1127.4	1107.7	1090.5	1076.7	1061.1	1053.8	1049.7	1043.7	1035.6
10°	1132.5	1109.1	1088.3	1068.6	1047.3	1030.2	1014.6	1002.7	994.9	987.6	984.5
12.5°	1103.0	1079.2	1052.6	1028.7	1005.0	985.7	968.5	960.7	952.1	943.6	936.3
15°	1057.2	1025.5	996.4	968.9	948.7	927.9	911.3	899.9	886.9	883.2	869.2
17.5°	1008.6	977.5	943.5	914.5	891.0	868.2	849.9	836.9	827.2	813.8	807.3
20°	978.3	941.4	908.2	881.7	855.7	828.7	810.0	799.1	789.8	778.9	773.7
22.5°	945.9	909.8	875.8	844.7	818.3	791.8	778.5	767.1	756.5	746.5	739.6
25°	898.3	862.0	826.1	793.9	766.4	747.2	731.6	718.6	712.9	703.1	695.8
27.5°	851.3	812.6	775.4	743.4	721.8	702.8	690.0	679.7	669.4	660.8	654.5
30°	820.9	781.5	741.0	715.5	692.7	674.5	660.5	650.6	642.8	635.0	630.4
32.5°	790.6	749.9	714.0	686.4	664.8	649.2	634.7	625.3	617.1	608.5	603.0
35°	742.0	700.5	671.4	644.4	623.1	608.6	598.7	585.2	578.4	572.2	566.5
37.5°	696.8	658.2	626.7	603.1	584.6	570.1	557.4	550.1	541.8	536.2	531.4
40°	663.6	628.3	599.7	574.8	561.3	545.2	533.3	523.9	517.7	510.4	505.2
42.5°	633.7	600.9	573.1	550.7	533.9	520.3	508.8	499.4	491.5	486.3	482.0
45°	591.4	558.7	531.7	510.9	495.4	482.4	470.4	465.8	455.4	449.2	447.1
47.5°	547.7	518.4	492.4	473.2	457.3	445.0	433.8	424.2	418.5	412.4	409.1
50°	518.2	490.2	465.8	447.1	431.5	418.0	407.6	401.4	393.6	387.9	383.7
52.5°	488.7	462.8	438.4	420.5	407.0	393.5	381.9	375.6	368.3	364.6	361.7
55°	446.6	419.0	398.3	380.6	366.6	354.1	343.2	337.0	332.3	328.7	327.6
57.5°	398.8	377.0	357.7	341.8	327.2	315.5	305.9	300.0	295.9	295.3	292.2
60°	367.6	347.9	330.2	313.1	300.6	289.7	281.4	274.7	270.5	270.0	269.0
62.5°	336.5	317.6	301.2	286.1	274.9	264.4	256.5	248.9	246.4	243.8	241.6
65°	290.3	273.1	259.6	247.7	235.7	226.9	219.1	214.4	208.7	205.6	199.9
67.5°	244.9	231.6	218.6	208.5	199.2	190.8	184.3	177.4	173.5	171.0	166.9
70°	215.0	204.6	191.6	180.7	173.4	166.7	161.5	153.7	151.1	149.0	146.9
72.5°	186.7	177.6	166.7	157.9	150.6	144.2	138.2	134.6	132.0	129.9	128.7
75°	146.9	138.1	128.8	122.5	117.4	112.2	109.0	106.4	105.4	104.9	102.8
77.5°	107.9	103.2	95.7	90.8	87.3	85.3	82.5	81.1	81.0	78.7	78.0
80°	82.6	80.0	73.7	71.7	69.1	67.0	65.4	62.8	60.2	59.2	57.6
82.5°	61.4	58.8	56.3	53.0	50.8	49.5	48.0	47.0	47.4	45.9	45.2
85°	32.7	30.1	29.1	28.6	27.5	28.6	28.0	27.5	27.0	26.5	27.0
87.5°	11.1	11.3	11.0	12.0	10.9	11.4	11.5	11.2	11.3	11.4	11.1
90°	3.7	4.4	5.1	5.8	6.5	7.3	7.8	8.3	8.8	9.3	9.7
92.5°	13.2	13.9	14.8	15.7	16.5	17.4	18.1	18.7	19.4	20.1	20.5
95°	30.3	30.9	31.9	32.9	33.9	34.9	35.6	36.3	37.0	37.7	38.2
97.5°	49.3	50.0	51.4	52.8	54.2	55.6	56.2	56.9	57.6	58.2	58.6
100°	63.5	64.1	65.4	66.7	68.0	69.3	70.3	71.2	72.1	73.0	73.5
102.5°	80.7	81.2	81.9	82.5	83.2	83.8	84.8	85.8	86.8	87.8	88.4
105°	105.4	105.9	106.5	107.1	107.7	108.3	108.9	109.5	110.1	110.7	111.2
107.5°	132.2	132.7	133.1	133.6	134.1	134.5	134.8	135.1	135.4	135.7	135.9
110°	150.7	151.1	151.4	151.7	152.0	152.3	152.6	152.9	153.2	153.5	153.6



TEST NUMBER: P333681

CATALOG NUMBER: S125RDIW-S850D470U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	168.6	168.9	169.3	169.7	170.0	170.4	170.6	170.7	170.8	171.0	171.0
115°	197.0	197.3	197.5	197.7	197.9	198.1	198.0	197.9	197.8	197.7	197.6
117.5°	224.0	224.2	224.4	224.5	224.7	224.9	225.0	225.1	225.1	225.2	225.1
120°	242.7	243.0	243.1	243.2	243.3	243.4	243.4	243.4	243.4	243.4	243.2
122.5°	260.2	260.5	260.7	261.0	261.3	261.5	261.4	261.4	261.3	261.2	261.0
125°	287.5	287.9	288.0	288.1	288.2	288.3	288.1	287.9	287.7	287.5	287.3
127.5°	313.7	313.9	314.0	314.1	314.2	314.4	314.3	314.2	314.1	314.0	313.8
130°	330.6	331.0	331.2	331.4	331.6	331.8	331.7	331.6	331.5	331.4	331.2
132.5°	348.2	348.6	348.6	348.5	348.5	348.4	348.3	348.2	348.1	348.0	347.9
135°	373.2	373.5	373.6	373.7	373.8	373.9	373.9	373.9	373.9	373.9	373.7
137.5°	397.4	397.8	398.0	398.2	398.4	398.7	398.8	398.9	399.0	399.2	399.0
140°	412.6	413.1	413.4	413.7	414.0	414.3	414.5	414.7	414.9	415.1	414.9
142.5°	427.9	428.3	428.7	429.1	429.5	429.9	430.0	430.1	430.2	430.3	430.1
145°	450.8	451.1	451.4	451.7	452.0	452.3	452.3	452.3	452.3	452.3	452.2
147.5°	471.3	471.5	471.7	472.0	472.2	472.5	472.7	472.9	473.2	473.4	473.2
150°	484.1	484.3	484.7	485.1	485.5	485.9	485.9	485.9	485.9	485.9	485.8
152.5°	496.7	496.8	497.0	497.2	497.3	497.5	497.7	498.0	498.2	498.4	498.4
155°	514.0	514.0	514.1	514.2	514.3	514.4	514.8	515.2	515.6	516.0	516.0
157.5°	529.0	529.0	529.1	529.2	529.3	529.4	529.8	530.2	530.6	531.0	530.9
160°	538.1	538.0	538.1	538.2	538.3	538.4	538.9	539.3	539.7	540.1	540.0
162.5°	546.8	546.7	546.7	546.7	546.8	546.8	547.3	547.8	548.2	548.7	548.7
165°	558.0	558.0	558.1	558.2	558.3	558.4	558.8	559.2	559.6	560.0	559.9
167.5°	566.7	566.5	566.5	566.5	566.5	566.5	567.1	567.7	568.3	568.9	568.9
170°	571.7	571.5	571.5	571.5	571.5	571.5	572.1	572.7	573.3	574.0	573.9
172.5°	575.4	575.2	575.2	575.2	575.2	575.2	575.8	576.4	577.0	577.6	577.6
175°	579.4	579.2	579.2	579.2	579.2	579.2	579.8	580.4	581.1	581.7	581.6
177.5°	581.8	581.6	581.6	581.5	581.4	581.3	581.8	582.3	582.8	583.3	583.2
180°	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4



TEST NUMBER: P333681

CATALOG NUMBER: S125RDIW-S850D470U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1211.7	1207.2	1205.9	1207.6	1205.9	1207.2	1211.7	1212.1	1212.6	1215.9	1211.3
5°	1117.9	1112.8	1115.3	1114.3	1115.3	1112.8	1117.9	1123.1	1124.2	1128.8	1132.0
7.5°	1035.5	1029.0	1022.2	1024.4	1022.2	1029.0	1035.5	1035.6	1043.7	1049.7	1053.8
10°	977.7	972.6	969.4	972.0	969.4	972.6	977.7	984.5	987.6	994.9	1002.7
12.5°	929.1	926.0	923.3	922.2	923.3	926.0	929.1	936.3	943.6	952.1	960.7
15°	863.0	856.8	854.2	847.4	854.2	856.8	863.0	869.2	883.2	886.9	899.9
17.5°	802.0	800.0	793.2	790.3	793.2	800.0	802.0	807.3	813.8	827.2	836.9
20°	765.9	763.8	757.1	761.2	757.1	763.8	765.9	773.7	778.9	789.8	799.1
22.5°	736.0	731.4	729.2	728.0	729.2	731.4	736.0	739.6	746.5	756.5	767.1
25°	693.7	687.0	684.4	681.3	684.4	687.0	693.7	695.8	703.1	712.9	718.6
27.5°	651.6	647.9	644.5	643.7	644.5	647.9	651.6	654.5	660.8	669.4	679.7
30°	624.1	620.5	617.9	617.9	617.9	620.5	624.1	630.4	635.0	642.8	650.6
32.5°	599.6	596.8	594.2	593.8	594.2	596.8	599.6	603.0	608.5	617.1	625.3
35°	563.9	559.8	558.7	555.6	558.7	559.8	563.9	566.5	572.2	578.4	585.2
37.5°	526.8	523.4	523.3	523.0	523.3	523.4	526.8	531.4	536.2	541.8	550.1
40°	503.2	500.6	500.0	496.4	500.0	500.6	503.2	505.2	510.4	517.7	523.9
42.5°	477.8	476.5	474.7	473.1	474.7	476.5	477.8	482.0	486.3	491.5	499.4
45°	443.4	439.8	439.8	437.2	439.8	439.8	443.4	447.1	449.2	455.4	465.8
47.5°	407.9	405.1	405.4	402.7	405.4	405.1	407.9	409.1	412.4	418.5	424.2
50°	384.2	382.7	382.2	381.1	382.2	382.7	384.2	383.7	387.9	393.6	401.4
52.5°	360.6	359.8	361.8	359.5	361.8	359.8	360.6	361.7	364.6	368.3	375.6
55°	328.7	327.1	330.2	327.1	330.2	327.1	328.7	327.6	328.7	332.3	337.0
57.5°	292.0	290.6	293.4	291.8	293.4	290.6	292.0	292.2	295.3	295.9	300.0
60°	267.9	264.8	266.4	266.9	266.4	264.8	267.9	269.0	270.0	270.5	274.7
62.5°	239.3	237.4	238.5	236.2	238.5	237.4	239.3	241.6	243.8	246.4	248.9
65°	198.9	197.3	195.2	194.2	195.2	197.3	198.9	199.9	205.6	208.7	214.4
67.5°	167.1	163.4	163.3	164.1	163.3	163.4	167.1	166.9	171.0	173.5	177.4
70°	143.8	143.8	143.3	143.3	143.3	143.8	143.8	146.9	149.0	151.1	153.7
72.5°	127.6	127.2	126.3	125.9	126.3	127.2	127.6	128.7	129.9	132.0	134.6
75°	102.8	103.3	102.3	101.8	102.3	103.3	102.8	102.8	104.9	105.4	106.4
77.5°	75.9	73.7	74.9	73.7	74.9	73.7	75.9	78.0	78.7	81.0	81.1
80°	57.6	57.1	58.7	57.1	58.7	57.1	57.6	57.6	59.2	60.2	62.8
82.5°	45.6	45.1	45.8	44.7	45.8	45.1	45.6	45.2	45.9	47.4	47.0
85°	27.5	27.0	26.5	27.0	26.5	27.0	27.5	27.0	26.5	27.0	27.5
87.5°	11.5	11.2	11.3	11.3	11.3	11.2	11.5	11.1	11.4	11.3	11.2
90°	10.0	10.3	10.6	10.9	10.6	10.3	10.0	9.7	9.3	8.8	8.3
92.5°	20.7	20.9	21.2	21.4	21.2	20.9	20.7	20.5	20.1	19.4	18.7
95°	38.4	38.6	38.8	39.0	38.8	38.6	38.4	38.2	37.7	37.0	36.3
97.5°	58.7	58.9	59.0	59.1	59.0	58.9	58.7	58.6	58.2	57.6	56.9
100°	73.7	73.9	74.1	74.3	74.1	73.9	73.7	73.5	73.0	72.1	71.2
102.5°	88.7	89.0	89.3	89.6	89.3	89.0	88.7	88.4	87.8	86.8	85.8
105°	111.5	111.8	112.1	112.4	112.1	111.8	111.5	111.2	110.7	110.1	109.5
107.5°	135.9	135.8	135.8	135.8	135.8	135.8	135.9	135.9	135.7	135.4	135.1
110°	153.5	153.4	153.3	153.2	153.3	153.4	153.5	153.6	153.5	153.2	152.9



TEST NUMBER: P333681

CATALOG NUMBER: S125RDIW-S850D470U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	170.8	170.6	170.4	170.2	170.4	170.6	170.8	171.0	171.0	170.8	170.7
115°	197.5	197.4	197.3	197.2	197.3	197.4	197.5	197.6	197.7	197.8	197.9
117.5°	224.7	224.3	223.8	223.4	223.8	224.3	224.7	225.1	225.2	225.1	225.1
120°	242.8	242.4	242.0	241.6	242.0	242.4	242.8	243.2	243.4	243.4	243.4
122.5°	260.7	260.4	260.0	259.7	260.0	260.4	260.7	261.0	261.2	261.3	261.4
125°	287.2	287.1	287.0	286.9	287.0	287.1	287.2	287.3	287.5	287.7	287.9
127.5°	313.6	313.4	313.2	313.0	313.2	313.4	313.6	313.8	314.0	314.1	314.2
130°	331.0	330.8	330.6	330.4	330.6	330.8	331.0	331.2	331.4	331.5	331.6
132.5°	347.6	347.3	347.0	346.7	347.0	347.3	347.6	347.9	348.0	348.1	348.2
135°	373.3	372.9	372.5	372.1	372.5	372.9	373.3	373.7	373.9	373.9	373.9
137.5°	398.5	398.0	397.4	396.9	397.4	398.0	398.5	399.0	399.2	399.0	398.9
140°	414.4	413.9	413.4	412.9	413.4	413.9	414.4	414.9	415.1	414.9	414.7
142.5°	429.6	429.1	428.6	428.1	428.6	429.1	429.6	430.1	430.3	430.2	430.1
145°	451.9	451.6	451.3	451.0	451.3	451.6	451.9	452.2	452.3	452.3	452.3
147.5°	472.5	471.8	471.1	470.5	471.1	471.8	472.5	473.2	473.4	473.2	472.9
150°	485.6	485.4	485.2	485.0	485.2	485.4	485.6	485.8	485.9	485.9	485.9
152.5°	498.0	497.7	497.3	496.9	497.3	497.7	498.0	498.4	498.4	498.2	498.0
155°	515.5	515.0	514.5	514.0	514.5	515.0	515.5	516.0	516.0	515.6	515.2
157.5°	530.2	529.5	528.9	528.2	528.9	529.5	530.2	530.9	531.0	530.6	530.2
160°	539.5	539.0	538.5	538.0	538.5	539.0	539.5	540.0	540.1	539.7	539.3
162.5°	548.1	547.5	546.9	546.3	546.9	547.5	548.1	548.7	548.7	548.2	547.8
165°	559.3	558.7	558.1	557.5	558.1	558.7	559.3	559.9	560.0	559.6	559.2
167.5°	568.2	567.6	567.0	566.4	567.0	567.6	568.2	568.9	568.9	568.3	567.7
170°	573.2	572.5	571.8	571.1	571.8	572.5	573.2	573.9	574.0	573.3	572.7
172.5°	576.9	576.3	575.7	575.1	575.7	576.3	576.9	577.6	577.6	577.0	576.4
175°	580.9	580.2	579.5	578.8	579.5	580.2	580.9	581.6	581.7	581.1	580.4
177.5°	582.7	582.1	581.5	581.0	581.5	582.1	582.7	583.2	583.3	582.8	582.3
180°	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4



TEST NUMBER: P333681

CATALOG NUMBER: S125RDIW-S850D470U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1212.6	1217.1	1219.6	1225.4	1233.7	1237.9	1243.7	1247.9	1253.7	1260.7	1266.6
5°	1134.0	1146.5	1154.8	1167.8	1179.7	1191.7	1206.7	1217.6	1232.2	1248.8	1261.8
7.5°	1061.1	1076.7	1090.5	1107.7	1127.4	1142.8	1162.4	1182.4	1205.2	1228.8	1251.0
10°	1014.6	1030.2	1047.3	1068.6	1088.3	1109.1	1132.5	1155.8	1184.4	1210.9	1241.0
12.5°	968.5	985.7	1005.0	1028.7	1052.6	1079.2	1103.0	1129.3	1159.9	1194.3	1226.5
15°	911.3	927.9	948.7	968.9	996.4	1025.5	1057.2	1092.0	1126.3	1164.7	1204.7
17.5°	849.9	868.2	891.0	914.5	943.5	977.5	1008.6	1046.7	1085.2	1130.0	1177.0
20°	810.0	828.7	855.7	881.7	908.2	941.4	978.3	1017.2	1058.2	1105.5	1157.9
22.5°	778.5	791.8	818.3	844.7	875.8	909.8	945.9	986.5	1031.2	1080.1	1135.1
25°	731.6	747.2	766.4	793.9	826.1	862.0	898.3	941.4	990.2	1040.1	1098.7
27.5°	690.0	702.8	721.8	743.4	775.4	812.6	851.3	896.2	946.3	997.1	1058.7
30°	660.5	674.5	692.7	715.5	741.0	781.5	820.9	865.1	916.0	968.4	1031.7
32.5°	634.7	649.2	664.8	686.4	714.0	749.9	790.6	833.9	885.6	939.7	1001.4
35°	598.7	608.6	623.1	644.4	671.4	700.5	742.0	787.7	838.1	894.1	955.9
37.5°	557.4	570.1	584.6	603.1	626.7	658.2	696.8	743.0	789.8	843.5	899.9
40°	533.3	545.2	561.3	574.8	599.7	628.3	663.6	711.9	758.6	809.0	860.4
42.5°	508.8	520.3	533.9	550.7	573.1	600.9	633.7	678.7	728.7	776.2	819.3
45°	470.4	482.4	495.4	510.9	531.7	558.7	591.4	632.4	676.1	719.7	752.4
47.5°	433.8	445.0	457.3	473.2	492.4	518.4	547.7	583.9	626.3	663.4	686.8
50°	407.6	418.0	431.5	447.1	465.8	490.2	518.2	554.0	589.3	623.1	644.4
52.5°	381.9	393.5	407.0	420.5	438.4	462.8	488.7	519.6	553.2	580.7	598.3
55°	343.2	354.1	366.6	380.6	398.3	419.0	446.6	471.0	497.4	520.8	531.2
57.5°	305.9	315.5	327.2	341.8	357.7	377.0	398.8	422.3	440.9	457.5	469.2
60°	281.4	289.7	300.6	313.1	330.2	347.9	367.6	389.4	404.0	418.0	428.9
62.5°	256.5	264.4	274.9	286.1	301.2	317.6	336.5	354.1	368.3	377.7	390.3
65°	219.1	226.9	235.7	247.7	259.6	273.1	290.3	303.2	313.1	323.5	331.3
67.5°	184.3	190.8	199.2	208.5	218.6	231.6	244.9	255.7	262.4	268.7	278.0
70°	161.5	166.7	173.4	180.7	191.6	204.6	215.0	223.3	228.0	234.2	245.6
72.5°	138.2	144.2	150.6	157.9	166.7	177.6	186.7	195.0	198.0	203.0	210.3
75°	109.0	112.2	117.4	122.5	128.8	138.1	146.9	149.0	151.6	155.8	161.0
77.5°	82.5	85.3	87.3	90.8	95.7	103.2	107.9	111.0	111.6	113.2	118.3
80°	65.4	67.0	69.1	71.7	73.7	80.0	82.6	85.7	86.7	88.3	90.9
82.5°	48.0	49.5	50.8	53.0	56.3	58.8	61.4	64.5	64.7	65.8	66.4
85°	28.0	28.6	27.5	28.6	29.1	30.1	32.7	35.3	34.8	34.3	35.8
87.5°	11.5	11.4	10.9	12.0	11.0	11.3	11.1	11.4	12.0	12.7	13.4
90°	7.8	7.3	6.5	5.8	5.1	4.4	3.7	2.9	2.1	1.3	0.5
92.5°	18.1	17.4	16.5	15.7	14.8	13.9	13.2	12.7	12.1	11.5	11.0
95°	35.6	34.9	33.9	32.9	31.9	30.9	30.3	30.1	29.9	29.7	29.5
97.5°	56.2	55.6	54.2	52.8	51.4	50.0	49.3	49.2	49.1	49.0	48.9
100°	70.3	69.3	68.0	66.7	65.4	64.1	63.5	63.5	63.5	63.5	63.5
102.5°	84.8	83.8	83.2	82.5	81.9	81.2	80.7	80.3	79.9	79.4	79.0
105°	108.9	108.3	107.7	107.1	106.5	105.9	105.4	104.8	104.3	103.8	103.3
107.5°	134.8	134.5	134.1	133.6	133.1	132.7	132.2	131.7	131.2	130.7	130.2
110°	152.6	152.3	152.0	151.7	151.4	151.1	150.7	150.2	149.7	149.2	148.7



TEST NUMBER: P333681

CATALOG NUMBER: S125RDIW-S850D470U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	170.6	170.4	170.0	169.7	169.3	168.9	168.6	168.3	168.0	167.8	167.5
115°	198.0	198.1	197.9	197.7	197.5	197.3	197.0	196.6	196.2	195.7	195.3
117.5°	225.0	224.9	224.7	224.5	224.4	224.2	224.0	223.8	223.6	223.4	223.3
120°	243.4	243.4	243.3	243.2	243.1	243.0	242.7	242.2	241.7	241.2	240.7
122.5°	261.4	261.5	261.3	261.0	260.7	260.5	260.2	260.1	259.9	259.7	259.5
125°	288.1	288.3	288.2	288.1	288.0	287.9	287.5	286.9	286.3	285.7	285.1
127.5°	314.3	314.4	314.2	314.1	314.0	313.9	313.7	313.3	313.0	312.6	312.3
130°	331.7	331.8	331.6	331.4	331.2	331.0	330.6	330.1	329.6	329.1	328.6
132.5°	348.3	348.4	348.5	348.5	348.6	348.6	348.2	347.4	346.6	345.7	344.9
135°	373.9	373.9	373.8	373.7	373.6	373.5	373.2	372.6	372.0	371.4	370.7
137.5°	398.8	398.7	398.4	398.2	398.0	397.8	397.4	396.8	396.2	395.6	395.0
140°	414.5	414.3	414.0	413.7	413.4	413.1	412.6	412.1	411.6	411.1	410.6
142.5°	430.0	429.9	429.5	429.1	428.7	428.3	427.9	427.5	427.1	426.6	426.2
145°	452.3	452.3	452.0	451.7	451.4	451.1	450.8	450.4	450.0	449.6	449.2
147.5°	472.7	472.5	472.2	472.0	471.7	471.5	471.3	471.0	470.8	470.6	470.4
150°	485.9	485.9	485.5	485.1	484.7	484.3	484.1	484.2	484.3	484.4	484.5
152.5°	497.7	497.5	497.3	497.2	497.0	496.8	496.7	496.5	496.4	496.3	496.1
155°	514.8	514.4	514.3	514.2	514.1	514.0	514.0	514.0	514.0	514.0	514.0
157.5°	529.8	529.4	529.3	529.2	529.1	529.0	529.0	529.3	529.5	529.7	529.9
160°	538.9	538.4	538.3	538.2	538.1	538.0	538.1	538.4	538.7	539.1	539.4
162.5°	547.3	546.8	546.8	546.7	546.7	546.7	546.8	547.0	547.3	547.5	547.7
165°	558.8	558.4	558.3	558.2	558.1	558.0	558.0	558.2	558.4	558.6	558.8
167.5°	567.1	566.5	566.5	566.5	566.5	566.5	566.7	567.1	567.5	567.9	568.3
170°	572.1	571.5	571.5	571.5	571.5	571.5	571.7	572.1	572.5	572.9	573.3
172.5°	575.8	575.2	575.2	575.2	575.2	575.2	575.4	575.8	576.2	576.6	577.0
175°	579.8	579.2	579.2	579.2	579.2	579.2	579.4	579.8	580.2	580.6	581.1
177.5°	581.8	581.3	581.4	581.5	581.6	581.6	581.8	582.2	582.5	582.8	583.1
180°	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4



TEST NUMBER: P333681

CATALOG NUMBER: S125RDIW-S850D470U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1271.1	1274.9	1280.3	1286.5	1291.5	1296.9	1299.8	1299.8	1302.3	1307.7	1314.7
5°	1274.8	1288.3	1301.2	1317.9	1330.8	1345.9	1357.3	1368.2	1378.1	1390.5	1403.5
7.5°	1273.7	1296.1	1319.5	1345.7	1374.6	1397.5	1421.1	1439.6	1457.8	1481.7	1500.5
10°	1269.6	1298.6	1330.3	1363.5	1399.9	1431.6	1460.1	1486.1	1511.0	1537.0	1560.3
12.5°	1262.1	1299.1	1337.8	1377.7	1423.6	1459.8	1496.7	1524.3	1553.4	1581.8	1610.6
15°	1250.9	1294.5	1341.2	1396.8	1452.9	1493.4	1529.7	1565.5	1592.5	1624.7	1652.3
17.5°	1227.7	1283.9	1342.7	1403.4	1457.3	1504.4	1542.5	1576.5	1605.3	1640.7	1678.1
20°	1214.0	1274.8	1336.0	1400.9	1452.3	1500.6	1537.5	1572.8	1608.6	1654.8	1700.5
22.5°	1194.9	1259.8	1324.8	1386.4	1440.7	1487.3	1525.4	1568.7	1615.7	1668.1	1723.4
25°	1164.7	1231.7	1296.0	1354.7	1407.7	1455.5	1507.4	1565.5	1622.7	1691.7	1771.2
27.5°	1126.4	1190.9	1248.4	1310.4	1363.0	1423.8	1488.6	1551.6	1634.0	1729.0	1828.2
30°	1097.7	1159.0	1213.5	1272.2	1331.9	1398.9	1471.6	1545.8	1643.9	1755.6	1873.5
32.5°	1064.5	1119.9	1174.0	1230.6	1299.5	1373.1	1450.4	1541.2	1658.5	1785.5	1907.5
35°	1006.8	1056.7	1109.1	1171.9	1245.2	1325.1	1423.8	1534.4	1676.1	1812.7	1922.3
37.5°	946.4	985.7	1038.4	1104.7	1184.4	1276.9	1388.9	1523.3	1668.9	1791.4	1838.0
40°	899.9	936.7	992.3	1061.9	1140.8	1242.0	1367.7	1505.8	1652.3	1737.4	1733.8
42.5°	853.7	891.0	944.5	1014.5	1096.8	1210.1	1339.5	1483.0	1606.6	1639.0	1571.4
45°	783.0	817.8	870.3	940.9	1029.2	1148.1	1284.1	1421.7	1500.6	1448.2	1314.2
47.5°	711.0	744.7	793.4	862.6	958.9	1083.4	1212.0	1324.9	1336.0	1223.4	1062.7
50°	663.6	695.3	741.5	815.2	908.7	1030.2	1154.3	1243.1	1215.6	1078.0	912.3
52.5°	617.5	647.9	691.2	760.8	856.3	975.4	1086.2	1155.8	1092.2	945.9	796.8
55°	549.4	578.4	622.1	685.9	772.6	881.7	978.8	1004.2	910.8	763.3	642.8
57.5°	484.7	506.0	549.1	605.5	689.1	785.3	854.9	850.3	747.2	614.4	528.0
60°	441.9	461.1	502.1	554.0	633.5	719.7	768.5	747.7	643.3	533.8	450.7
62.5°	402.0	420.0	454.3	502.1	570.3	645.3	680.8	652.2	553.6	457.4	391.3
65°	341.7	354.6	382.2	426.3	479.8	531.7	563.4	521.3	434.1	361.4	311.5
67.5°	285.3	296.5	321.0	352.7	389.5	425.4	438.2	398.8	331.0	282.0	246.9
70°	248.7	259.1	275.7	305.3	329.7	355.2	361.4	326.1	269.5	232.1	210.3
72.5°	213.8	223.4	237.9	258.8	275.7	290.4	293.3	260.5	217.1	191.4	174.6
75°	163.0	171.4	180.7	188.5	199.4	202.0	200.9	175.5	152.1	135.0	125.7
77.5°	119.8	123.3	129.0	132.1	132.6	132.4	127.1	111.0	99.0	91.9	88.1
80°	92.4	95.0	96.6	97.6	98.1	92.9	87.2	77.4	73.2	69.1	64.4
82.5°	67.1	68.9	70.4	70.6	67.8	63.5	58.2	53.3	50.4	48.3	46.5
85°	36.3	36.9	36.3	33.8	30.1	28.6	27.5	26.5	26.0	25.4	25.4
87.5°	13.1	12.0	10.1	10.7	10.9	10.6	10.7	10.4	10.2	10.3	10.4
90°	1.3	2.1	2.9	3.7	4.4	5.1	5.8	6.5	7.3	7.8	8.3
92.5°	11.5	12.1	12.7	13.2	13.9	14.8	15.7	16.5	17.4	18.1	18.7
95°	29.7	29.9	30.1	30.3	30.9	31.9	32.9	33.9	34.9	35.6	36.3
97.5°	49.0	49.1	49.2	49.3	50.0	51.4	52.8	54.2	55.6	56.2	56.9
100°	63.5	63.5	63.5	63.5	64.1	65.4	66.7	68.0	69.3	70.3	71.2
102.5°	79.4	79.9	80.3	80.7	81.2	81.9	82.5	83.2	83.8	84.8	85.8
105°	103.8	104.3	104.8	105.4	105.9	106.5	107.1	107.7	108.3	108.9	109.5
107.5°	130.7	131.2	131.7	132.2	132.7	133.1	133.6	134.1	134.5	134.8	135.1
110°	149.2	149.7	150.2	150.7	151.1	151.4	151.7	152.0	152.3	152.6	152.9



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	167.8	168.0	168.3	168.6	168.9	169.3	169.7	170.0	170.4	170.6	170.7
115°	195.7	196.2	196.6	197.0	197.3	197.5	197.7	197.9	198.1	198.0	197.9
117.5°	223.4	223.6	223.8	224.0	224.2	224.4	224.5	224.7	224.9	225.0	225.1
120°	241.2	241.7	242.2	242.7	243.0	243.1	243.2	243.3	243.4	243.4	243.4
122.5°	259.7	259.9	260.1	260.2	260.5	260.7	261.0	261.3	261.5	261.4	261.4
125°	285.7	286.3	286.9	287.5	287.9	288.0	288.1	288.2	288.3	288.1	287.9
127.5°	312.6	313.0	313.3	313.7	313.9	314.0	314.1	314.2	314.4	314.3	314.2
130°	329.1	329.6	330.1	330.6	331.0	331.2	331.4	331.6	331.8	331.7	331.6
132.5°	345.7	346.6	347.4	348.2	348.6	348.6	348.5	348.5	348.4	348.3	348.2
135°	371.4	372.0	372.6	373.2	373.5	373.6	373.7	373.8	373.9	373.9	373.9
137.5°	395.6	396.2	396.8	397.4	397.8	398.0	398.2	398.4	398.7	398.8	398.9
140°	411.1	411.6	412.1	412.6	413.1	413.4	413.7	414.0	414.3	414.5	414.7
142.5°	426.6	427.1	427.5	427.9	428.3	428.7	429.1	429.5	429.9	430.0	430.1
145°	449.6	450.0	450.4	450.8	451.1	451.4	451.7	452.0	452.3	452.3	452.3
147.5°	470.6	470.8	471.0	471.3	471.5	471.7	472.0	472.2	472.5	472.7	472.9
150°	484.4	484.3	484.2	484.1	484.3	484.7	485.1	485.5	485.9	485.9	485.9
152.5°	496.3	496.4	496.5	496.7	496.8	497.0	497.2	497.3	497.5	497.7	498.0
155°	514.0	514.0	514.0	514.0	514.0	514.1	514.2	514.3	514.4	514.8	515.2
157.5°	529.7	529.5	529.3	529.0	529.0	529.1	529.2	529.3	529.4	529.8	530.2
160°	539.1	538.7	538.4	538.1	538.0	538.1	538.2	538.3	538.4	538.9	539.3
162.5°	547.5	547.3	547.0	546.8	546.7	546.7	546.7	546.8	546.8	547.3	547.8
165°	558.6	558.4	558.2	558.0	558.0	558.1	558.2	558.3	558.4	558.8	559.2
167.5°	567.9	567.5	567.1	566.7	566.5	566.5	566.5	566.5	566.5	567.1	567.7
170°	572.9	572.5	572.1	571.7	571.5	571.5	571.5	571.5	571.5	572.1	572.7
172.5°	576.6	576.2	575.8	575.4	575.2	575.2	575.2	575.2	575.2	575.8	576.4
175°	580.6	580.2	579.8	579.4	579.2	579.2	579.2	579.2	579.2	579.8	580.4
177.5°	582.8	582.5	582.2	581.8	581.6	581.6	581.5	581.4	581.3	581.8	582.3
180°	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1320.1	1320.1	1327.2	1326.8	1331.4	1329.7	1330.5
5°	1419.1	1427.9	1435.7	1440.9	1448.7	1450.8	1449.7
7.5°	1521.7	1541.3	1550.9	1564.0	1566.4	1573.2	1572.5
10°	1585.3	1604.5	1619.0	1630.4	1636.2	1643.4	1643.9
12.5°	1635.1	1651.4	1664.3	1674.9	1681.8	1684.1	1685.5
15°	1674.1	1692.2	1707.3	1722.3	1731.2	1737.9	1741.6
17.5°	1713.3	1741.4	1767.9	1788.4	1800.7	1811.0	1810.9
20°	1743.6	1775.8	1809.1	1832.4	1856.3	1866.7	1868.3
22.5°	1776.0	1825.3	1868.1	1904.3	1935.7	1946.5	1950.5
25°	1843.3	1907.7	1973.7	2024.6	2060.9	2082.2	2085.3
27.5°	1924.6	2011.8	2081.2	2128.1	2158.3	2174.1	2177.5
30°	1982.0	2062.5	2124.8	2160.1	2174.1	2176.2	2168.4
32.5°	2007.7	2067.9	2092.8	2090.7	2063.2	2044.9	2037.9
35°	1976.3	1963.8	1903.0	1830.4	1774.8	1739.5	1730.1
37.5°	1798.5	1691.0	1579.2	1469.4	1410.9	1381.2	1330.1
40°	1623.2	1470.0	1353.7	1261.3	1195.3	1142.3	1129.9
42.5°	1425.4	1267.3	1151.0	1071.8	1019.2	982.8	967.0
45°	1145.5	1009.4	913.4	852.6	812.1	785.6	773.7
47.5°	916.2	810.9	740.9	695.9	665.1	642.0	635.6
50°	790.3	706.2	647.0	609.1	585.7	568.1	560.8
52.5°	686.4	618.5	573.0	541.8	519.7	508.7	502.6
55°	566.5	507.8	475.1	450.2	437.7	428.9	424.7
57.5°	463.3	420.9	397.0	379.8	368.3	362.6	360.6
60°	405.5	372.3	350.5	337.0	329.2	321.9	319.9
62.5°	354.4	328.3	311.4	299.6	291.8	288.7	287.5
65°	285.6	268.5	256.0	248.7	242.5	241.5	240.9
67.5°	227.0	216.9	210.4	202.8	200.6	197.0	196.3
70°	194.2	187.4	179.7	177.1	174.5	170.8	171.4
72.5°	164.7	158.0	152.7	149.2	148.3	146.7	148.1
75°	120.5	118.4	116.3	113.7	112.7	112.7	112.2
77.5°	86.0	84.2	81.9	80.4	80.1	77.9	78.7
80°	62.3	59.7	58.7	59.2	57.6	57.1	57.1
82.5°	46.1	45.2	44.1	44.2	43.9	43.4	43.8
85°	25.4	24.9	24.9	24.4	24.4	23.9	23.9
87.5°	10.9	11.4	10.7	10.3	10.4	10.8	11.3
90°	8.8	9.3	9.7	10.0	10.3	10.6	10.9
92.5°	19.4	20.1	20.5	20.7	20.9	21.2	21.4
95°	37.0	37.7	38.2	38.4	38.6	38.8	39.0
97.5°	57.6	58.2	58.6	58.7	58.9	59.0	59.1
100°	72.1	73.0	73.5	73.7	73.9	74.1	74.3
102.5°	86.8	87.8	88.4	88.7	89.0	89.3	89.6
105°	110.1	110.7	111.2	111.5	111.8	112.1	112.4
107.5°	135.4	135.7	135.9	135.9	135.8	135.8	135.8
110°	153.2	153.5	153.6	153.5	153.4	153.3	153.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	170.8	171.0	171.0	170.8	170.6	170.4	170.2
115°	197.8	197.7	197.6	197.5	197.4	197.3	197.2
117.5°	225.1	225.2	225.1	224.7	224.3	223.8	223.4
120°	243.4	243.4	243.2	242.8	242.4	242.0	241.6
122.5°	261.3	261.2	261.0	260.7	260.4	260.0	259.7
125°	287.7	287.5	287.3	287.2	287.1	287.0	286.9
127.5°	314.1	314.0	313.8	313.6	313.4	313.2	313.0
130°	331.5	331.4	331.2	331.0	330.8	330.6	330.4
132.5°	348.1	348.0	347.9	347.6	347.3	347.0	346.7
135°	373.9	373.9	373.7	373.3	372.9	372.5	372.1
137.5°	399.0	399.2	399.0	398.5	398.0	397.4	396.9
140°	414.9	415.1	414.9	414.4	413.9	413.4	412.9
142.5°	430.2	430.3	430.1	429.6	429.1	428.6	428.1
145°	452.3	452.3	452.2	451.9	451.6	451.3	451.0
147.5°	473.2	473.4	473.2	472.5	471.8	471.1	470.5
150°	485.9	485.9	485.8	485.6	485.4	485.2	485.0
152.5°	498.2	498.4	498.4	498.0	497.7	497.3	496.9
155°	515.6	516.0	516.0	515.5	515.0	514.5	514.0
157.5°	530.6	531.0	530.9	530.2	529.5	528.9	528.2
160°	539.7	540.1	540.0	539.5	539.0	538.5	538.0
162.5°	548.2	548.7	548.7	548.1	547.5	546.9	546.3
165°	559.6	560.0	559.9	559.3	558.7	558.1	557.5
167.5°	568.3	568.9	568.9	568.2	567.6	567.0	566.4
170°	573.3	574.0	573.9	573.2	572.5	571.8	571.1
172.5°	577.0	577.6	577.6	576.9	576.3	575.7	575.1
175°	581.1	581.7	581.6	580.9	580.2	579.5	578.8
177.5°	582.8	583.3	583.2	582.7	582.1	581.5	581.0
180°	582.4	582.4	582.4	582.4	582.4	582.4	582.4

(END OF REPORT)