

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: P331532-840

Luminaire Tested: **S122DIW-S675D710U840-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331532-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DIW-S675D710U840-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 710 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5445.9 lumens
Efficiency: N/A
Efficacy: 121.0 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

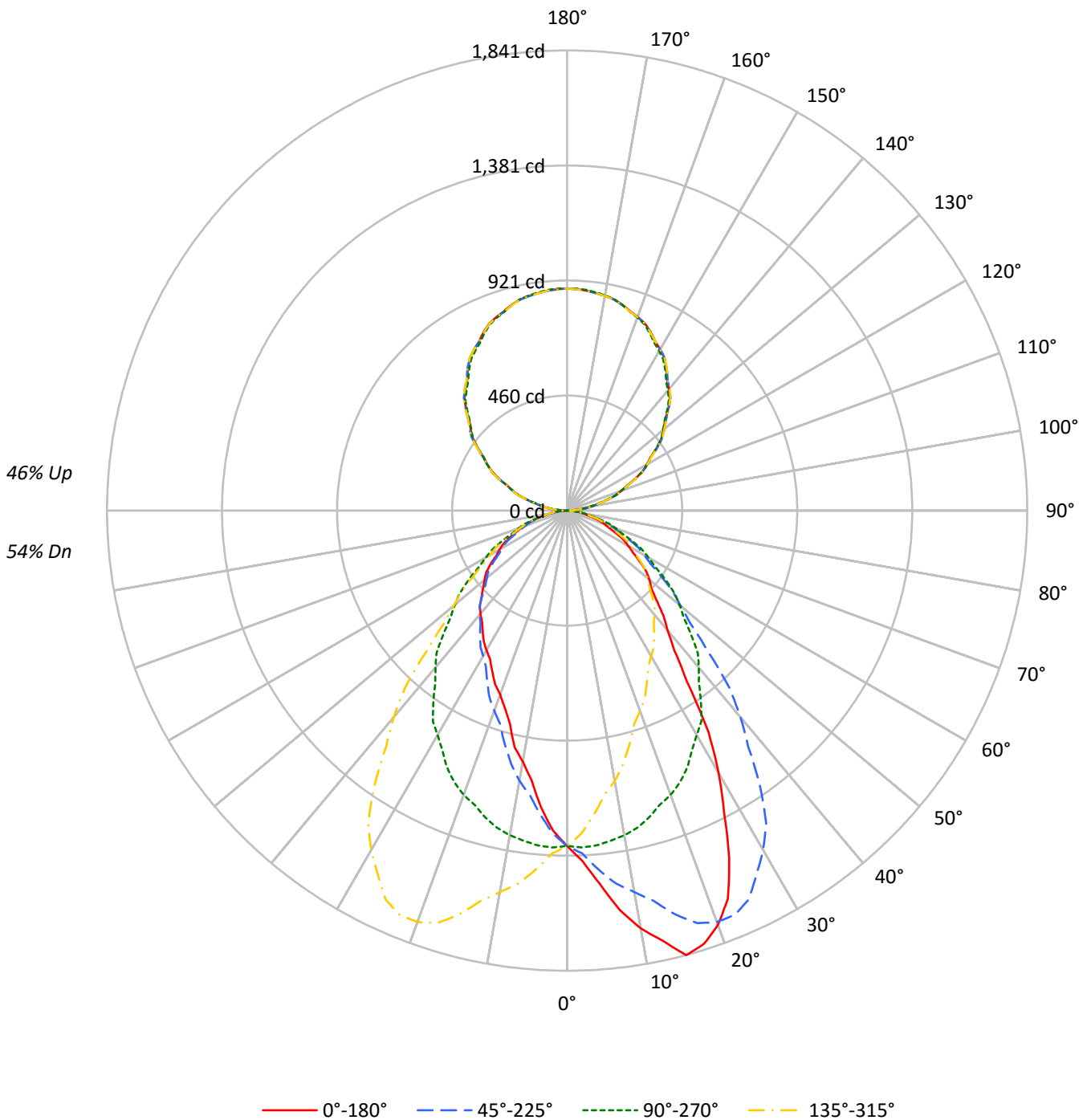
Input Watts (W): 45
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	108	108	108	100	100	100	100	86	86	86	72	72	72	60	60	60	54
1	99	95	91	88	92	88	85	82	76	74	72	65	63	61	54	53	52	47
2	91	84	78	73	84	78	73	68	67	63	60	57	55	52	48	46	44	40
3	83	74	67	61	77	69	63	58	60	55	51	51	48	45	43	41	38	35
4	76	66	58	52	71	62	55	50	53	48	44	46	42	39	39	36	34	30
5	70	59	51	45	65	55	48	43	48	43	38	41	37	34	35	32	30	27
6	65	53	45	40	60	50	43	38	44	38	34	38	33	30	32	29	26	24
7	60	48	40	35	56	45	38	33	40	34	30	34	30	27	30	26	24	21
8	56	44	36	31	52	41	34	30	36	31	27	32	27	24	27	24	21	19
9	52	40	33	28	49	38	31	27	33	28	24	29	25	22	25	22	19	17
10	49	37	30	25	46	35	28	24	31	26	22	27	23	20	24	20	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	21658	21658	21658	21658
5°	24280	21797	19316	21797
10°	27824	21620	16718	21620
15°	30780	21224	14770	21224
20°	30311	20797	13464	20797
25°	27332	20232	12636	20232
30°	22585	19328	12033	19328
35°	16462	18382	11606	18382
40°	13148	17266	11367	17266
45°	11488	15972	11040	15972
50°	10798	14722	10826	14722
55°	9956	13453	10536	13453
60°	9122	12103	10091	12103
65°	8309	10892	9650	10892
70°	7544	9711	9007	9711
75°	6687	8390	7973	8390
80°	5755	6946	6425	6946
85°	5169	5169	3816	5169



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.7	2.3
10°-20°	371.4	6.8
20°-30°	539.0	9.9
30°-40°	568.8	10.4
40°-50°	503.6	9.2
50°-60°	401.9	7.4
60°-70°	273.2	5.0
70°-80°	140.0	2.6
80°-90°	37.3	0.7
90°-100°	56.3	1.0
100°-110°	174.8	3.2
110°-120°	298.7	5.5
120°-130°	392.8	7.2
130°-140°	440.9	8.1
140°-150°	432.3	7.9
150°-160°	362.6	6.7
160°-170°	240.5	4.4
170°-180°	84.1	1.5
0°-30°	1038.1	19.1
0°-40°	1606.9	29.5
0°-60°	2512.4	46.1
0°-90°	2962.9	54.4
90°-120°	529.8	9.7
90°-150°	1795.8	33.0
90°-180°	2483.0	45.6
0°-180°	5445.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1341	1341	1341	1341	1341	
5°	1498	1345	1192	1345	1498	150
15°	1841	1270	884	1270	1841	508
25°	1534	1136	709	1136	1534	693
35°	835	933	589	933	835	543
45°	503	700	484	700	503	396
55°	354	478	374	478	354	317
65°	218	285	253	285	218	216
75°	107	134	128	134	107	115
85°	28	28	21	28	28	31
90°	25	1	25	1	25	12
95°	46	39	46	39	46	52
105°	166	161	166	161	166	175
115°	300	300	300	300	300	296
125°	438	436	438	436	438	390
135°	571	564	571	564	571	440
145°	692	685	692	685	692	432
155°	789	783	789	783	789	363
165°	853	852	853	852	853	241
175°	884	886	884	886	884	84
180°	888	888	888	888	888	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4
2.5°	1403.2	1403.6	1404.5	1397.9	1397.0	1397.0	1391.3	1386.3	1380.6	1372.7	1373.5
5°	1498.1	1503.8	1505.8	1499.6	1490.4	1489.3	1480.6	1466.1	1452.7	1441.9	1434.2
7.5°	1611.3	1613.6	1608.5	1600.3	1593.5	1581.1	1564.8	1548.8	1526.4	1505.9	1490.7
10°	1697.1	1700.2	1691.4	1679.6	1669.8	1655.4	1631.6	1607.4	1578.0	1549.6	1526.9
12.5°	1762.2	1769.9	1758.7	1757.1	1740.3	1720.5	1692.2	1680.0	1638.6	1599.1	1574.8
15°	1841.4	1840.9	1842.0	1832.2	1819.8	1816.6	1786.8	1754.3	1696.1	1672.8	1632.6
17.5°	1818.6	1826.3	1830.0	1829.9	1829.6	1827.7	1818.1	1797.6	1768.4	1730.7	1684.3
20°	1764.1	1774.4	1775.9	1787.9	1794.5	1803.3	1806.9	1801.2	1783.2	1751.7	1711.5
22.5°	1680.0	1682.8	1687.7	1706.2	1720.7	1742.6	1754.1	1773.2	1766.3	1750.9	1717.3
25°	1534.2	1529.0	1547.1	1556.3	1589.8	1624.9	1650.2	1678.0	1702.7	1717.7	1707.9
27.5°	1359.1	1351.4	1378.4	1403.0	1430.3	1468.2	1507.6	1554.1	1592.8	1641.1	1657.7
30°	1211.4	1216.1	1241.9	1268.2	1309.4	1363.0	1407.3	1458.4	1513.6	1567.7	1605.3
32.5°	1052.3	1070.2	1086.4	1126.7	1163.0	1222.8	1287.8	1351.6	1420.4	1481.9	1540.1
35°	835.2	855.8	878.5	907.9	958.9	1018.1	1081.6	1167.6	1261.5	1345.5	1414.6
37.5°	703.0	699.6	712.7	733.9	775.3	823.0	896.1	981.2	1091.6	1190.3	1287.8
40°	623.8	621.7	631.0	650.6	682.1	717.1	781.0	855.8	958.4	1078.9	1195.0
42.5°	569.4	570.6	575.7	589.6	611.1	640.0	687.8	751.4	845.4	959.0	1083.6
45°	503.1	506.8	512.4	519.2	531.5	555.2	582.0	627.4	701.7	796.5	919.2
47.5°	455.6	455.7	461.4	467.3	474.6	488.0	509.9	538.3	590.7	667.9	773.4
50°	429.9	426.4	430.5	435.0	442.8	452.1	466.6	493.3	528.4	590.8	678.9
52.5°	398.6	398.7	402.4	404.1	411.1	420.3	433.5	452.1	483.8	532.6	605.1
55°	353.7	356.2	358.3	361.3	367.6	374.3	384.6	397.0	421.7	458.3	511.9
57.5°	311.3	312.1	314.3	320.1	324.1	330.2	340.0	351.2	367.4	394.5	434.7
60°	282.5	282.5	286.6	289.2	294.4	300.5	308.3	319.1	333.6	355.7	388.2
62.5°	256.1	255.7	257.3	261.6	265.5	271.2	279.0	288.2	301.7	321.4	348.2
65°	217.5	216.5	219.6	220.7	224.8	230.5	236.6	246.4	257.2	271.7	295.4
67.5°	180.5	181.7	183.3	185.3	187.5	193.5	197.6	204.6	213.7	225.7	241.8
70°	159.8	159.8	159.8	161.4	164.4	167.5	171.7	177.3	186.1	196.4	210.9
72.5°	136.7	138.4	140.0	139.1	143.0	144.8	149.8	153.0	161.4	167.9	180.8
75°	107.2	107.2	107.2	109.8	111.4	112.9	116.0	119.1	123.2	131.5	138.1
77.5°	80.0	79.8	80.3	80.9	82.6	84.4	85.3	88.2	92.0	95.7	101.5
80°	61.9	62.9	63.4	64.4	64.4	65.4	65.9	69.6	72.2	74.7	78.4
82.5°	47.9	48.1	48.2	48.4	48.8	49.4	50.7	51.9	52.8	54.9	57.8
85°	27.9	27.4	27.4	28.4	27.9	27.9	28.9	29.9	29.9	30.4	31.9
87.5°	15.9	15.8	16.2	15.8	15.7	16.2	16.2	15.9	16.4	16.8	16.5
90°	25.4	25.3	25.1	24.9	24.8	24.9	25.2	25.5	25.9	26.3	22.5
92.5°	24.2	24.2	24.2	24.1	24.1	24.1	24.0	23.9	23.9	23.8	22.9
95°	46.5	46.8	47.2	47.5	47.8	48.0	48.0	48.0	48.0	48.0	47.7
97.5°	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.0
100°	102.7	102.8	103.0	103.2	103.3	103.4	103.4	103.4	103.4	103.4	102.9
102.5°	127.8	128.1	128.2	128.4	128.6	128.6	128.4	128.3	128.2	127.9	127.3
105°	166.3	166.3	166.3	166.3	166.3	166.2	165.8	165.5	165.2	164.9	164.5
107.5°	202.7	203.4	204.2	204.9	205.7	206.0	205.9	205.7	205.6	205.5	205.5
110°	230.9	231.3	231.8	232.3	232.8	233.1	233.1	233.1	233.1	233.1	233.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	257.8	258.1	258.5	258.9	259.2	259.6	260.0	260.4	260.8	261.3	261.4
115°	299.7	300.2	300.7	301.2	301.7	302.1	302.3	302.5	302.6	302.8	303.1
117.5°	339.7	340.2	340.7	341.2	341.7	342.2	342.6	343.1	343.5	343.9	344.8
120°	367.9	368.4	368.9	369.4	369.9	370.2	370.2	370.2	370.2	370.2	371.5
122.5°	395.6	395.9	396.3	396.6	397.0	397.4	397.8	398.2	398.6	399.0	399.9
125°	437.7	437.8	438.0	438.2	438.3	438.6	439.1	439.6	440.1	440.6	441.1
127.5°	476.1	476.6	477.1	477.6	478.2	478.7	479.3	479.9	480.5	481.1	481.7
130°	503.6	504.2	504.9	505.5	506.2	506.8	507.1	507.5	507.8	508.1	508.4
132.5°	530.0	530.5	531.0	531.6	532.1	532.7	533.4	534.2	534.9	535.6	535.6
135°	571.0	571.5	572.0	572.5	573.0	573.4	573.5	573.7	573.8	574.0	573.7
137.5°	608.1	608.8	609.6	610.2	610.9	611.3	611.4	611.5	611.7	611.8	611.4
140°	634.0	634.6	635.3	636.0	636.6	636.9	636.9	636.9	636.9	636.9	636.1
142.5°	657.3	658.0	658.6	659.3	660.0	660.2	660.1	660.0	659.8	659.7	659.1
145°	692.5	693.1	693.8	694.4	695.1	695.3	695.2	695.0	694.8	694.7	693.7
147.5°	723.8	724.4	725.0	725.7	726.3	726.4	726.0	725.7	725.3	725.0	724.3
150°	744.2	744.7	745.1	745.6	746.1	746.1	745.6	745.1	744.7	744.2	743.5
152.5°	763.4	764.0	764.6	765.2	765.9	765.9	765.2	764.6	764.0	763.4	762.5
155°	789.1	789.6	790.1	790.6	791.1	790.9	790.1	789.2	788.4	787.6	787.1
157.5°	811.2	812.0	812.8	813.6	814.5	814.3	813.1	812.0	810.9	809.8	809.5
160°	825.1	825.8	826.4	827.1	827.7	827.6	826.6	825.6	824.6	823.5	823.3
162.5°	837.1	837.9	838.7	839.4	840.2	840.1	839.0	837.8	836.7	835.6	835.4
165°	852.8	853.6	854.4	855.3	856.2	856.0	854.7	853.6	852.4	851.3	851.3
167.5°	865.7	866.6	867.4	868.3	869.1	869.0	867.8	866.7	865.5	864.3	864.3
170°	872.2	873.2	874.2	875.3	876.3	876.2	875.0	873.8	872.7	871.5	871.7
172.5°	877.7	878.7	879.7	880.7	881.6	881.6	880.4	879.3	878.1	876.9	877.1
175°	883.5	884.5	885.6	886.5	887.5	887.5	886.3	885.0	883.9	882.7	883.1
177.5°	886.2	887.0	887.8	888.6	889.4	889.4	888.6	887.8	887.0	886.2	886.5
180°	888.0	888.0	888.0	888.0	888.0	888.0	888.0	888.0	888.0	888.0	888.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4
2.5°	1376.4	1373.1	1371.1	1363.6	1357.1	1350.5	1348.4	1349.2	1340.2	1331.5	1327.8
5°	1430.1	1419.8	1410.0	1396.0	1379.6	1361.5	1352.2	1344.9	1327.0	1307.4	1296.1
7.5°	1478.1	1463.4	1444.5	1418.3	1394.3	1365.9	1347.9	1331.9	1305.5	1277.9	1260.9
10°	1507.4	1487.2	1463.0	1431.1	1401.7	1367.2	1342.9	1318.7	1287.8	1254.8	1234.2
12.5°	1532.6	1505.4	1481.6	1440.6	1405.8	1362.6	1333.8	1299.7	1267.2	1228.0	1207.8
15°	1592.5	1542.5	1497.0	1450.7	1407.9	1347.6	1315.7	1269.7	1226.9	1178.5	1155.3
17.5°	1638.7	1582.6	1511.1	1452.1	1402.2	1335.4	1288.5	1233.6	1183.0	1127.5	1096.0
20°	1665.2	1600.6	1523.9	1453.8	1393.9	1317.7	1266.7	1210.4	1151.1	1088.7	1054.7
22.5°	1680.8	1613.1	1537.1	1447.5	1377.5	1303.2	1239.0	1177.4	1117.3	1050.1	1014.3
25°	1685.8	1623.9	1543.5	1442.4	1356.9	1272.8	1195.5	1135.7	1063.0	1000.1	948.1
27.5°	1661.2	1616.9	1539.5	1432.7	1333.0	1234.8	1148.6	1080.9	1004.1	935.8	883.5
30°	1631.1	1605.3	1530.0	1422.8	1314.0	1208.4	1113.5	1036.7	960.4	891.3	837.7
32.5°	1584.5	1578.9	1512.8	1408.8	1293.8	1175.0	1076.8	999.2	914.6	846.8	795.7
35°	1493.0	1517.7	1475.9	1377.5	1255.8	1127.4	1021.3	932.6	845.0	780.0	732.1
37.5°	1370.3	1431.7	1420.8	1331.6	1204.5	1075.7	958.5	865.8	782.2	716.7	669.6
40°	1285.7	1364.0	1375.4	1296.6	1168.2	1035.7	911.4	819.2	737.7	677.9	630.5
42.5°	1195.0	1286.6	1317.7	1254.5	1128.5	993.6	869.4	773.8	693.2	635.0	593.0
45°	1042.9	1164.1	1220.2	1184.2	1062.5	924.3	796.5	699.5	626.3	571.7	539.3
47.5°	900.7	1033.1	1108.6	1095.9	989.0	852.1	725.8	632.8	561.5	517.9	488.8
50°	800.1	936.1	1027.4	1031.6	936.1	800.6	673.8	586.1	520.7	480.0	456.3
52.5°	712.7	842.5	942.1	963.9	877.2	747.0	627.2	540.0	482.3	444.8	423.6
55°	598.5	708.3	818.6	858.9	789.2	665.5	554.7	477.9	423.7	398.0	379.4
57.5°	497.6	589.2	691.1	735.5	692.6	586.6	482.7	416.1	372.1	349.5	335.3
60°	444.3	516.5	607.2	660.4	623.3	529.0	438.2	374.8	338.7	318.6	305.2
62.5°	394.9	458.8	535.5	584.1	563.9	474.9	393.6	337.7	306.5	287.6	278.0
65°	325.8	376.4	435.7	480.5	467.1	399.5	333.1	285.1	260.3	245.4	237.6
67.5°	268.3	304.8	345.9	385.2	374.4	326.5	273.2	235.8	217.3	204.5	199.9
70°	232.0	259.8	296.4	327.9	319.1	279.9	237.6	205.7	189.8	178.8	174.2
72.5°	197.3	220.3	248.1	273.9	267.9	235.4	200.2	176.0	163.7	153.7	149.9
75°	149.0	166.5	183.5	200.6	198.9	173.7	153.1	134.5	124.7	117.0	115.4
77.5°	110.0	119.8	131.4	141.5	138.7	124.2	108.1	97.5	90.2	85.0	84.2
80°	84.0	89.7	98.0	105.1	101.6	95.3	82.5	74.7	69.6	64.4	62.4
82.5°	60.9	66.7	71.6	75.4	72.7	67.0	59.0	53.7	50.6	47.2	46.3
85°	31.9	35.0	37.2	38.2	37.2	33.5	29.9	27.9	25.2	23.7	23.2
87.5°	16.2	15.5	14.6	14.9	13.3	12.9	10.9	9.2	9.2	9.2	8.8
90°	18.9	15.2	11.6	8.8	6.8	4.7	2.7	0.7	2.7	4.7	6.8
92.5°	22.1	21.2	20.4	19.2	17.8	16.3	14.8	13.3	14.8	16.3	17.8
95°	47.3	47.0	46.7	45.6	43.9	42.3	40.6	39.0	40.6	42.3	43.9
97.5°	79.4	78.8	78.1	77.1	75.5	74.1	72.6	71.2	72.6	74.1	75.5
100°	102.4	101.9	101.4	100.5	99.2	97.9	96.5	95.1	96.5	97.9	99.2
102.5°	126.7	126.1	125.4	124.6	123.5	122.5	121.4	120.4	121.4	122.5	123.5
105°	164.2	163.9	163.5	163.1	162.6	162.1	161.6	161.1	161.6	162.1	162.6
107.5°	205.5	205.5	205.5	205.1	204.4	203.7	202.9	202.2	202.9	203.7	204.4
110°	233.1	233.1	233.1	232.6	231.6	230.6	229.5	228.5	229.5	230.6	231.6



TEST NUMBER: P331532-840

CATALOG NUMBER: S122DIW-S675D710U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	261.5	261.7	261.8	261.4	260.3	259.3	258.3	257.3	258.3	259.3	260.3
115°	303.4	303.8	304.1	303.8	302.8	301.7	300.7	299.7	300.7	301.7	302.8
117.5°	345.7	346.6	347.5	347.3	346.0	344.7	343.4	342.0	343.4	344.7	346.0
120°	372.8	374.2	375.5	375.5	374.2	372.8	371.5	370.2	371.5	372.8	374.2
122.5°	400.8	401.7	402.7	402.3	400.7	399.2	397.6	396.0	397.6	399.2	400.7
125°	441.6	442.1	442.6	442.1	440.6	439.1	437.7	436.2	437.7	439.1	440.6
127.5°	482.3	482.9	483.5	482.8	480.9	479.1	477.2	475.2	477.2	479.1	480.9
130°	508.8	509.1	509.4	508.5	506.3	504.1	502.0	499.8	502.0	504.1	506.3
132.5°	535.5	535.4	535.4	534.4	532.7	531.0	529.2	527.5	529.2	531.0	532.7
135°	573.4	573.0	572.7	571.6	569.8	567.9	566.1	564.3	566.1	567.9	569.8
137.5°	611.0	610.5	610.1	609.0	607.6	606.1	604.6	603.1	604.6	606.1	607.6
140°	635.3	634.5	633.6	632.5	631.0	629.4	627.9	626.5	627.9	629.4	631.0
142.5°	658.6	658.0	657.5	656.4	655.0	653.5	652.0	650.5	652.0	653.5	655.0
145°	692.7	691.7	690.6	689.6	688.4	687.2	686.1	684.9	686.1	687.2	688.4
147.5°	723.6	723.0	722.3	721.2	719.8	718.4	717.0	715.7	717.0	718.4	719.8
150°	742.8	742.1	741.4	740.6	739.6	738.6	737.6	736.6	737.6	738.6	739.6
152.5°	761.7	760.9	760.1	759.2	758.2	757.2	756.2	755.2	756.2	757.2	758.2
155°	786.6	786.1	785.6	785.1	784.6	784.1	783.6	783.0	783.6	784.1	784.6
157.5°	809.2	808.9	808.6	808.3	807.9	807.6	807.3	806.9	807.3	807.6	807.9
160°	823.2	823.0	822.9	822.6	822.3	821.9	821.6	821.3	821.6	821.9	822.3
162.5°	835.3	835.1	834.9	834.8	834.7	834.7	834.6	834.5	834.6	834.7	834.7
165°	851.3	851.3	851.3	851.4	851.5	851.7	851.8	852.0	851.8	851.7	851.5
167.5°	864.3	864.4	864.4	864.7	865.3	865.8	866.3	866.8	866.3	865.8	865.3
170°	871.8	872.0	872.2	872.5	873.0	873.5	874.0	874.5	874.0	873.5	873.0
172.5°	877.3	877.4	877.6	877.9	878.4	878.9	879.4	879.9	879.4	878.9	878.4
175°	883.4	883.7	884.1	884.5	885.0	885.6	886.1	886.5	886.1	885.6	885.0
177.5°	886.8	887.0	887.3	887.6	888.0	888.4	888.8	889.2	888.8	888.4	888.0
180°	888.0	888.0	888.0	888.0	888.0	888.0	888.0	888.0	888.0	888.0	888.0



TEST NUMBER: P331532-840

CATALOG NUMBER: S122DIW-S675D710U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4
2.5°	1323.6	1321.2	1312.5	1308.0	1300.5	1293.5	1289.0	1291.1	1292.7	1291.9	1290.6
5°	1285.7	1275.9	1260.9	1248.1	1238.8	1221.7	1214.6	1210.9	1207.9	1204.3	1200.6
7.5°	1240.5	1225.1	1203.7	1185.3	1167.9	1146.8	1134.8	1127.5	1120.1	1112.0	1104.8
10°	1208.4	1186.7	1164.1	1138.2	1117.6	1098.5	1081.6	1070.3	1060.0	1050.2	1042.9
12.5°	1174.6	1149.6	1121.6	1086.3	1063.6	1036.3	1033.7	1013.7	997.6	991.6	983.1
15°	1120.7	1085.7	1050.2	1008.4	990.3	965.5	950.1	934.6	920.7	910.9	908.4
17.5°	1059.6	1014.2	978.9	948.9	919.3	893.9	879.7	867.3	855.9	842.7	841.0
20°	1013.0	973.8	935.1	908.9	878.5	852.6	835.2	822.7	812.9	805.3	798.5
22.5°	968.9	925.9	890.6	861.8	831.8	811.0	797.2	785.3	777.1	768.5	762.2
25°	898.1	864.5	825.9	793.3	768.6	755.3	743.9	733.6	728.4	722.8	715.6
27.5°	836.1	798.8	762.7	737.5	715.8	703.9	695.8	688.8	684.0	680.6	676.6
30°	792.3	754.7	726.4	701.7	683.6	671.8	666.6	662.5	656.8	654.7	652.7
32.5°	750.3	716.4	692.2	670.7	653.5	645.7	641.0	637.3	632.9	630.8	626.6
35°	690.7	662.5	638.7	626.8	613.0	606.2	602.7	597.4	593.4	591.3	590.8
37.5°	634.8	610.2	594.6	579.4	573.5	569.4	564.4	560.9	559.7	559.4	558.9
40°	598.5	578.5	564.5	552.1	549.6	543.3	539.3	536.1	536.1	536.6	536.1
42.5°	565.5	547.4	535.2	524.5	521.5	517.8	513.6	513.4	514.3	516.0	514.3
45°	515.5	502.6	493.8	488.7	483.0	479.4	478.9	480.5	481.0	481.5	483.0
47.5°	469.5	461.0	453.0	447.4	444.8	444.2	443.6	446.4	448.8	449.7	452.1
50°	442.3	432.5	425.9	422.2	420.1	419.1	420.1	423.2	425.3	427.9	429.4
52.5°	411.8	404.9	400.2	397.5	396.7	397.3	397.5	401.0	404.2	405.2	406.0
55°	369.6	364.5	363.5	358.8	360.8	360.3	362.9	365.0	368.1	371.1	371.7
57.5°	327.6	323.5	320.6	321.0	321.6	324.0	326.1	329.7	333.1	336.3	336.6
60°	299.5	297.4	295.9	295.9	296.9	300.0	302.7	306.2	308.3	310.3	311.8
62.5°	274.0	271.9	270.3	271.1	273.9	275.7	278.7	280.6	282.7	284.8	285.5
65°	233.5	232.5	234.1	235.1	235.6	238.1	241.8	243.3	245.4	246.4	250.0
67.5°	196.3	196.5	196.3	197.7	200.8	201.4	204.8	208.3	208.7	210.8	213.1
70°	171.2	172.2	173.2	174.2	176.8	177.8	180.5	182.0	184.0	185.6	187.1
72.5°	148.0	148.2	149.3	149.1	151.3	153.5	155.7	157.2	159.3	161.3	162.8
75°	113.9	113.9	114.9	115.4	118.1	120.7	120.1	121.2	123.2	125.2	126.3
77.5°	83.2	82.1	83.2	83.7	84.5	86.7	87.2	88.6	90.9	90.2	91.4
80°	63.4	61.9	63.4	63.9	63.9	66.6	66.6	67.6	69.1	67.6	69.1
82.5°	45.2	44.5	45.6	45.7	46.6	46.7	47.6	47.8	49.3	48.6	49.3
85°	22.7	22.2	22.7	22.2	22.7	23.2	23.2	22.7	22.7	23.7	22.2
87.5°	8.8	8.9	9.2	10.0	10.3	10.6	10.1	10.1	10.0	9.1	9.1
90°	8.8	11.6	15.2	18.9	22.5	26.3	25.9	25.5	25.2	24.9	24.8
92.5°	19.2	20.4	21.2	22.1	22.9	23.8	23.9	23.9	24.0	24.1	24.1
95°	45.6	46.7	47.0	47.3	47.7	48.0	48.0	48.0	48.0	48.0	47.8
97.5°	77.1	78.1	78.8	79.4	80.0	80.6	80.6	80.6	80.6	80.6	80.6
100°	100.5	101.4	101.9	102.4	102.9	103.4	103.4	103.4	103.4	103.4	103.3
102.5°	124.6	125.4	126.1	126.7	127.3	127.9	128.2	128.3	128.4	128.6	128.6
105°	163.1	163.5	163.9	164.2	164.5	164.9	165.2	165.5	165.8	166.2	166.3
107.5°	205.1	205.5	205.5	205.5	205.5	205.5	205.6	205.7	205.9	206.0	205.7
110°	232.6	233.1	233.1	233.1	233.1	233.1	233.1	233.1	233.1	233.1	232.8



TEST NUMBER: P331532-840

CATALOG NUMBER: S122DIW-S675D710U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	261.4	261.8	261.7	261.5	261.4	261.3	260.8	260.4	260.0	259.6	259.2
115°	303.8	304.1	303.8	303.4	303.1	302.8	302.6	302.5	302.3	302.1	301.7
117.5°	347.3	347.5	346.6	345.7	344.8	343.9	343.5	343.1	342.6	342.2	341.7
120°	375.5	375.5	374.2	372.8	371.5	370.2	370.2	370.2	370.2	370.2	369.9
122.5°	402.3	402.7	401.7	400.8	399.9	399.0	398.6	398.2	397.8	397.4	397.0
125°	442.1	442.6	442.1	441.6	441.1	440.6	440.1	439.6	439.1	438.6	438.3
127.5°	482.8	483.5	482.9	482.3	481.7	481.1	480.5	479.9	479.3	478.7	478.2
130°	508.5	509.4	509.1	508.8	508.4	508.1	507.8	507.5	507.1	506.8	506.2
132.5°	534.4	535.4	535.4	535.5	535.6	535.6	534.9	534.2	533.4	532.7	532.1
135°	571.6	572.7	573.0	573.4	573.7	574.0	573.8	573.7	573.5	573.4	573.0
137.5°	609.0	610.1	610.5	611.0	611.4	611.8	611.7	611.5	611.4	611.3	610.9
140°	632.5	633.6	634.5	635.3	636.1	636.9	636.9	636.9	636.9	636.9	636.6
142.5°	656.4	657.5	658.0	658.6	659.1	659.7	659.8	660.0	660.1	660.2	660.0
145°	689.6	690.6	691.7	692.7	693.7	694.7	694.8	695.0	695.2	695.3	695.1
147.5°	721.2	722.3	723.0	723.6	724.3	725.0	725.3	725.7	726.0	726.4	726.3
150°	740.6	741.4	742.1	742.8	743.5	744.2	744.7	745.1	745.6	746.1	746.1
152.5°	759.2	760.1	760.9	761.7	762.5	763.4	764.0	764.6	765.2	765.9	765.9
155°	785.1	785.6	786.1	786.6	787.1	787.6	788.4	789.2	790.1	790.9	791.1
157.5°	808.3	808.6	808.9	809.2	809.5	809.8	810.9	812.0	813.1	814.3	814.5
160°	822.6	822.9	823.0	823.2	823.3	823.5	824.6	825.6	826.6	827.6	827.7
162.5°	834.8	834.9	835.1	835.3	835.4	835.6	836.7	837.8	839.0	840.1	840.2
165°	851.4	851.3	851.3	851.3	851.3	851.3	852.4	853.6	854.7	856.0	856.2
167.5°	864.7	864.4	864.4	864.3	864.3	864.3	865.5	866.7	867.8	869.0	869.1
170°	872.5	872.2	872.0	871.8	871.7	871.5	872.7	873.8	875.0	876.2	876.3
172.5°	877.9	877.6	877.4	877.3	877.1	876.9	878.1	879.3	880.4	881.6	881.6
175°	884.5	884.1	883.7	883.4	883.1	882.7	883.9	885.0	886.3	887.5	887.5
177.5°	887.6	887.3	887.0	886.8	886.5	886.2	887.0	887.8	888.6	889.4	889.4
180°	888.0	888.0	888.0	888.0	888.0	888.0	888.0	888.0	888.0	888.0	888.0



TEST NUMBER: P331532-840

CATALOG NUMBER: S122DIW-S675D710U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4
2.5°	1286.6	1285.7	1285.7	1282.0	1285.7	1285.7	1286.6	1290.6	1291.9	1292.7	1291.1
5°	1193.5	1191.8	1189.3	1191.8	1189.3	1191.8	1193.5	1200.6	1204.3	1207.9	1210.9
7.5°	1101.4	1095.2	1094.3	1088.1	1094.3	1095.2	1101.4	1104.8	1112.0	1120.1	1127.5
10°	1034.1	1030.0	1029.5	1019.7	1029.5	1030.0	1034.1	1042.9	1050.2	1060.0	1070.3
12.5°	983.0	973.1	975.0	969.4	975.0	973.1	983.0	983.1	991.6	997.6	1013.7
15°	894.4	894.4	892.3	883.6	892.3	894.4	894.4	908.4	910.9	920.7	934.6
17.5°	830.8	829.8	824.9	827.3	824.9	829.8	830.8	841.0	842.7	855.9	867.3
20°	792.8	789.8	783.6	783.6	783.6	789.8	792.8	798.5	805.3	812.9	822.7
22.5°	757.0	756.8	750.2	752.2	750.2	756.8	757.0	762.2	768.5	777.1	785.3
25°	715.0	710.9	707.8	709.3	707.8	710.9	715.0	715.6	722.8	728.4	733.6
27.5°	675.2	673.0	672.8	668.5	672.8	673.0	675.2	676.6	680.6	684.0	688.8
30°	652.2	647.0	648.0	645.4	648.0	647.0	652.2	652.7	654.7	656.8	662.5
32.5°	625.7	623.9	622.9	620.7	622.9	623.9	625.7	626.6	630.8	632.9	637.3
35°	589.8	590.3	587.7	588.8	587.7	590.3	589.8	590.8	591.3	593.4	597.4
37.5°	558.4	560.0	558.8	559.1	558.8	560.0	558.4	558.9	559.4	559.7	560.9
40°	537.7	537.7	537.7	539.3	537.7	537.7	537.7	536.1	536.6	536.1	536.1
42.5°	517.9	517.1	516.2	516.1	516.2	517.1	517.9	514.3	516.0	514.3	513.4
45°	484.0	485.6	486.1	483.5	486.1	485.6	484.0	483.0	481.5	481.0	480.5
47.5°	453.4	453.6	453.4	455.8	453.4	453.6	453.4	452.1	449.7	448.8	446.4
50°	432.0	431.0	432.0	431.0	432.0	431.0	432.0	429.4	427.9	425.3	423.2
52.5°	409.3	409.5	408.9	408.7	408.9	409.5	409.3	406.0	405.2	404.2	401.0
55°	373.8	374.8	374.3	374.3	374.3	374.8	373.8	371.7	371.1	368.1	365.0
57.5°	337.0	337.9	338.6	336.3	338.6	337.9	337.0	336.6	336.3	333.1	329.7
60°	311.3	314.0	313.5	312.5	313.5	314.0	311.3	311.8	310.3	308.3	306.2
62.5°	287.9	288.8	288.7	288.5	288.7	288.8	287.9	285.5	284.8	282.7	280.6
65°	251.6	252.6	251.1	252.6	251.1	252.6	251.6	250.0	246.4	245.4	243.3
67.5°	212.5	212.8	214.0	214.7	214.0	212.8	212.5	213.1	210.8	208.7	208.3
70°	188.1	187.6	189.1	190.8	189.1	187.6	188.1	187.1	185.6	184.0	182.0
72.5°	162.6	163.7	163.2	164.3	163.2	163.7	162.6	162.8	161.3	159.3	157.2
75°	125.2	126.8	126.3	127.8	126.3	126.8	125.2	126.3	125.2	123.2	121.2
77.5°	90.5	90.7	90.5	91.4	90.5	90.7	90.5	91.4	90.2	90.9	88.6
80°	69.1	68.1	67.1	69.1	67.1	68.1	69.1	69.1	67.6	69.1	67.6
82.5°	48.1	48.7	47.7	47.7	47.7	48.7	48.1	49.3	48.6	49.3	47.8
85°	22.2	21.6	20.6	20.6	20.6	21.6	22.2	22.2	23.7	22.7	22.7
87.5°	9.1	8.8	8.8	8.4	8.8	8.8	9.1	9.1	9.1	10.0	10.1
90°	24.9	25.1	25.3	25.4	25.3	25.1	24.9	24.8	24.9	25.2	25.5
92.5°	24.1	24.2	24.2	24.2	24.2	24.2	24.1	24.1	24.1	24.0	23.9
95°	47.5	47.2	46.8	46.5	46.8	47.2	47.5	47.8	48.0	48.0	48.0
97.5°	80.6	80.6	80.5	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6
100°	103.2	103.0	102.8	102.7	102.8	103.0	103.2	103.3	103.4	103.4	103.4
102.5°	128.4	128.2	128.1	127.8	128.1	128.2	128.4	128.6	128.6	128.4	128.3
105°	166.3	166.3	166.3	166.3	166.3	166.3	166.3	166.3	166.2	165.8	165.5
107.5°	204.9	204.2	203.4	202.7	203.4	204.2	204.9	205.7	206.0	205.9	205.7
110°	232.3	231.8	231.3	230.9	231.3	231.8	232.3	232.8	233.1	233.1	233.1



TEST NUMBER: P331532-840

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	258.9	258.5	258.1	257.8	258.1	258.5	258.9	259.2	259.6	260.0	260.4
115°	301.2	300.7	300.2	299.7	300.2	300.7	301.2	301.7	302.1	302.3	302.5
117.5°	341.2	340.7	340.2	339.7	340.2	340.7	341.2	341.7	342.2	342.6	343.1
120°	369.4	368.9	368.4	367.9	368.4	368.9	369.4	369.9	370.2	370.2	370.2
122.5°	396.6	396.3	395.9	395.6	395.9	396.3	396.6	397.0	397.4	397.8	398.2
125°	438.2	438.0	437.8	437.7	437.8	438.0	438.2	438.3	438.6	439.1	439.6
127.5°	477.6	477.1	476.6	476.1	476.6	477.1	477.6	478.2	478.7	479.3	479.9
130°	505.5	504.9	504.2	503.6	504.2	504.9	505.5	506.2	506.8	507.1	507.5
132.5°	531.6	531.0	530.5	530.0	530.5	531.0	531.6	532.1	532.7	533.4	534.2
135°	572.5	572.0	571.5	571.0	571.5	572.0	572.5	573.0	573.4	573.5	573.7
137.5°	610.2	609.6	608.8	608.1	608.8	609.6	610.2	610.9	611.3	611.4	611.5
140°	636.0	635.3	634.6	634.0	634.6	635.3	636.0	636.6	636.9	636.9	636.9
142.5°	659.3	658.6	658.0	657.3	658.0	658.6	659.3	660.0	660.2	660.1	660.0
145°	694.4	693.8	693.1	692.5	693.1	693.8	694.4	695.1	695.3	695.2	695.0
147.5°	725.7	725.0	724.4	723.8	724.4	725.0	725.7	726.3	726.4	726.0	725.7
150°	745.6	745.1	744.7	744.2	744.7	745.1	745.6	746.1	746.1	745.6	745.1
152.5°	765.2	764.6	764.0	763.4	764.0	764.6	765.2	765.9	765.9	765.2	764.6
155°	790.6	790.1	789.6	789.1	789.6	790.1	790.6	791.1	790.9	790.1	789.2
157.5°	813.6	812.8	812.0	811.2	812.0	812.8	813.6	814.5	814.3	813.1	812.0
160°	827.1	826.4	825.8	825.1	825.8	826.4	827.1	827.7	827.6	826.6	825.6
162.5°	839.4	838.7	837.9	837.1	837.9	838.7	839.4	840.2	840.1	839.0	837.8
165°	855.3	854.4	853.6	852.8	853.6	854.4	855.3	856.2	856.0	854.7	853.6
167.5°	868.3	867.4	866.6	865.7	866.6	867.4	868.3	869.1	869.0	867.8	866.7
170°	875.3	874.2	873.2	872.2	873.2	874.2	875.3	876.3	876.2	875.0	873.8
172.5°	880.7	879.7	878.7	877.7	878.7	879.7	880.7	881.6	881.6	880.4	879.3
175°	886.5	885.6	884.5	883.5	884.5	885.6	886.5	887.5	887.5	886.3	885.0
177.5°	888.6	887.8	887.0	886.2	887.0	887.8	888.6	889.4	889.4	888.6	887.8
180°	888.0	888.0	888.0	888.0	888.0	888.0	888.0	888.0	888.0	888.0	888.0



TEST NUMBER: P331532-840

CATALOG NUMBER: S122DIW-S675D710U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4
2.5°	1289.0	1293.5	1300.5	1308.0	1312.5	1321.2	1323.6	1327.8	1331.5	1340.2	1349.2
5°	1214.6	1221.7	1238.8	1248.1	1260.9	1275.9	1285.7	1296.1	1307.4	1327.0	1344.9
7.5°	1134.8	1146.8	1167.9	1185.3	1203.7	1225.1	1240.5	1260.9	1277.9	1305.5	1331.9
10°	1081.6	1098.5	1117.6	1138.2	1164.1	1186.7	1208.4	1234.2	1254.8	1287.8	1318.7
12.5°	1033.7	1036.3	1063.6	1086.3	1121.6	1149.6	1174.6	1207.8	1228.0	1267.2	1299.7
15°	950.1	965.5	990.3	1008.4	1050.2	1085.7	1120.7	1155.3	1178.5	1226.9	1269.7
17.5°	879.7	893.9	919.3	948.9	978.9	1014.2	1059.6	1096.0	1127.5	1183.0	1233.6
20°	835.2	852.6	878.5	908.9	935.1	973.8	1013.0	1054.7	1088.7	1151.1	1210.4
22.5°	797.2	811.0	831.8	861.8	890.6	925.9	968.9	1014.3	1050.1	1117.3	1177.4
25°	743.9	755.3	768.6	793.3	825.9	864.5	898.1	948.1	1000.1	1063.0	1135.7
27.5°	695.8	703.9	715.8	737.5	762.7	798.8	836.1	883.5	935.8	1004.1	1080.9
30°	666.6	671.8	683.6	701.7	726.4	754.7	792.3	837.7	891.3	960.4	1036.7
32.5°	641.0	645.7	653.5	670.7	692.2	716.4	750.3	795.7	846.8	914.6	999.2
35°	602.7	606.2	613.0	626.8	638.7	662.5	690.7	732.1	780.0	845.0	932.6
37.5°	564.4	569.4	573.5	579.4	594.6	610.2	634.8	669.6	716.7	782.2	865.8
40°	539.3	543.3	549.6	552.1	564.5	578.5	598.5	630.5	677.9	737.7	819.2
42.5°	513.6	517.8	521.5	524.5	535.2	547.4	565.5	593.0	635.0	693.2	773.8
45°	478.9	479.4	483.0	488.7	493.8	502.6	515.5	539.3	571.7	626.3	699.5
47.5°	443.6	444.2	444.8	447.4	453.0	461.0	469.5	488.8	517.9	561.5	632.8
50°	420.1	419.1	420.1	422.2	425.9	432.5	442.3	456.3	480.0	520.7	586.1
52.5°	397.5	397.3	396.7	397.5	400.2	404.9	411.8	423.6	444.8	482.3	540.0
55°	362.9	360.3	360.8	358.8	363.5	364.5	369.6	379.4	398.0	423.7	477.9
57.5°	326.1	324.0	321.6	321.0	320.6	323.5	327.6	335.3	349.5	372.1	416.1
60°	302.7	300.0	296.9	295.9	295.9	297.4	299.5	305.2	318.6	338.7	374.8
62.5°	278.7	275.7	273.9	271.1	270.3	271.9	274.0	278.0	287.6	306.5	337.7
65°	241.8	238.1	235.6	235.1	234.1	232.5	233.5	237.6	245.4	260.3	285.1
67.5°	204.8	201.4	200.8	197.7	196.3	196.5	196.3	199.9	204.5	217.3	235.8
70°	180.5	177.8	176.8	174.2	173.2	172.2	171.2	174.2	178.8	189.8	205.7
72.5°	155.7	153.5	151.3	149.1	149.3	148.2	148.0	149.9	153.7	163.7	176.0
75°	120.1	120.7	118.1	115.4	114.9	113.9	113.9	115.4	117.0	124.7	134.5
77.5°	87.2	86.7	84.5	83.7	83.2	82.1	83.2	84.2	85.0	90.2	97.5
80°	66.6	66.6	63.9	63.9	63.4	61.9	63.4	62.4	64.4	69.6	74.7
82.5°	47.6	46.7	46.6	45.7	45.6	44.5	45.2	46.3	47.2	50.6	53.7
85°	23.2	23.2	22.7	22.2	22.7	22.2	22.7	23.2	23.7	25.2	27.9
87.5°	10.1	10.6	10.3	10.0	9.2	8.9	8.8	8.8	9.2	9.2	9.2
90°	25.9	26.3	22.5	18.9	15.2	11.6	8.8	6.8	4.7	2.7	0.7
92.5°	23.9	23.8	22.9	22.1	21.2	20.4	19.2	17.8	16.3	14.8	13.3
95°	48.0	48.0	47.7	47.3	47.0	46.7	45.6	43.9	42.3	40.6	39.0
97.5°	80.6	80.6	80.0	79.4	78.8	78.1	77.1	75.5	74.1	72.6	71.2
100°	103.4	103.4	102.9	102.4	101.9	101.4	100.5	99.2	97.9	96.5	95.1
102.5°	128.2	127.9	127.3	126.7	126.1	125.4	124.6	123.5	122.5	121.4	120.4
105°	165.2	164.9	164.5	164.2	163.9	163.5	163.1	162.6	162.1	161.6	161.1
107.5°	205.6	205.5	205.5	205.5	205.5	205.5	205.1	204.4	203.7	202.9	202.2
110°	233.1	233.1	233.1	233.1	233.1	233.1	232.6	231.6	230.6	229.5	228.5



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	260.8	261.3	261.4	261.5	261.7	261.8	261.4	260.3	259.3	258.3	257.3
115°	302.6	302.8	303.1	303.4	303.8	304.1	303.8	302.8	301.7	300.7	299.7
117.5°	343.5	343.9	344.8	345.7	346.6	347.5	347.3	346.0	344.7	343.4	342.0
120°	370.2	370.2	371.5	372.8	374.2	375.5	375.5	374.2	372.8	371.5	370.2
122.5°	398.6	399.0	399.9	400.8	401.7	402.7	402.3	400.7	399.2	397.6	396.0
125°	440.1	440.6	441.1	441.6	442.1	442.6	442.1	440.6	439.1	437.7	436.2
127.5°	480.5	481.1	481.7	482.3	482.9	483.5	482.8	480.9	479.1	477.2	475.2
130°	507.8	508.1	508.4	508.8	509.1	509.4	508.5	506.3	504.1	502.0	499.8
132.5°	534.9	535.6	535.6	535.5	535.4	535.4	534.4	532.7	531.0	529.2	527.5
135°	573.8	574.0	573.7	573.4	573.0	572.7	571.6	569.8	567.9	566.1	564.3
137.5°	611.7	611.8	611.4	611.0	610.5	610.1	609.0	607.6	606.1	604.6	603.1
140°	636.9	636.9	636.1	635.3	634.5	633.6	632.5	631.0	629.4	627.9	626.5
142.5°	659.8	659.7	659.1	658.6	658.0	657.5	656.4	655.0	653.5	652.0	650.5
145°	694.8	694.7	693.7	692.7	691.7	690.6	689.6	688.4	687.2	686.1	684.9
147.5°	725.3	725.0	724.3	723.6	723.0	722.3	721.2	719.8	718.4	717.0	715.7
150°	744.7	744.2	743.5	742.8	742.1	741.4	740.6	739.6	738.6	737.6	736.6
152.5°	764.0	763.4	762.5	761.7	760.9	760.1	759.2	758.2	757.2	756.2	755.2
155°	788.4	787.6	787.1	786.6	786.1	785.6	785.1	784.6	784.1	783.6	783.0
157.5°	810.9	809.8	809.5	809.2	808.9	808.6	808.3	807.9	807.6	807.3	806.9
160°	824.6	823.5	823.3	823.2	823.0	822.9	822.6	822.3	821.9	821.6	821.3
162.5°	836.7	835.6	835.4	835.3	835.1	834.9	834.8	834.7	834.7	834.6	834.5
165°	852.4	851.3	851.3	851.3	851.3	851.3	851.4	851.5	851.7	851.8	852.0
167.5°	865.5	864.3	864.3	864.3	864.4	864.4	864.7	865.3	865.8	866.3	866.8
170°	872.7	871.5	871.7	871.8	872.0	872.2	872.5	873.0	873.5	874.0	874.5
172.5°	878.1	876.9	877.1	877.3	877.4	877.6	877.9	878.4	878.9	879.4	879.9
175°	883.9	882.7	883.1	883.4	883.7	884.1	884.5	885.0	885.6	886.1	886.5
177.5°	887.0	886.2	886.5	886.8	887.0	887.3	887.6	888.0	888.4	888.8	889.2
180°	888.0	888.0	888.0	888.0	888.0	888.0	888.0	888.0	888.0	888.0	888.0



TEST NUMBER: P331532-840

CATALOG NUMBER: S122DIW-S675D710U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4
2.5°	1348.4	1350.5	1357.1	1363.6	1371.1	1373.1	1376.4	1373.5	1372.7	1380.6	1386.3
5°	1352.2	1361.5	1379.6	1396.0	1410.0	1419.8	1430.1	1434.2	1441.9	1452.7	1466.1
7.5°	1347.9	1365.9	1394.3	1418.3	1444.5	1463.4	1478.1	1490.7	1505.9	1526.4	1548.8
10°	1342.9	1367.2	1401.7	1431.1	1463.0	1487.2	1507.4	1526.9	1549.6	1578.0	1607.4
12.5°	1333.8	1362.6	1405.8	1440.6	1481.6	1505.4	1532.6	1574.8	1599.1	1638.6	1680.0
15°	1315.7	1347.6	1407.9	1450.7	1497.0	1542.5	1592.5	1632.6	1672.8	1696.1	1754.3
17.5°	1288.5	1335.4	1402.2	1452.1	1511.1	1582.6	1638.7	1684.3	1730.7	1768.4	1797.6
20°	1266.7	1317.7	1393.9	1453.8	1523.9	1600.6	1665.2	1711.5	1751.7	1783.2	1801.2
22.5°	1239.0	1303.2	1377.5	1447.5	1537.1	1613.1	1680.8	1717.3	1750.9	1766.3	1773.2
25°	1195.5	1272.8	1356.9	1442.4	1543.5	1623.9	1685.8	1707.9	1717.7	1702.7	1678.0
27.5°	1148.6	1234.8	1333.0	1432.7	1539.5	1616.9	1661.2	1657.7	1641.1	1592.8	1554.1
30°	1113.5	1208.4	1314.0	1422.8	1530.0	1605.3	1631.1	1605.3	1567.7	1513.6	1458.4
32.5°	1076.8	1175.0	1293.8	1408.8	1512.8	1578.9	1584.5	1540.1	1481.9	1420.4	1351.6
35°	1021.3	1127.4	1255.8	1377.5	1475.9	1517.7	1493.0	1414.6	1345.5	1261.5	1167.6
37.5°	958.5	1075.7	1204.5	1331.6	1420.8	1431.7	1370.3	1287.8	1190.3	1091.6	981.2
40°	911.4	1035.7	1168.2	1296.6	1375.4	1364.0	1285.7	1195.0	1078.9	958.4	855.8
42.5°	869.4	993.6	1128.5	1254.5	1317.7	1286.6	1195.0	1083.6	959.0	845.4	751.4
45°	796.5	924.3	1062.5	1184.2	1220.2	1164.1	1042.9	919.2	796.5	701.7	627.4
47.5°	725.8	852.1	989.0	1095.9	1108.6	1033.1	900.7	773.4	667.9	590.7	538.3
50°	673.8	800.6	936.1	1031.6	1027.4	936.1	800.1	678.9	590.8	528.4	493.3
52.5°	627.2	747.0	877.2	963.9	942.1	842.5	712.7	605.1	532.6	483.8	452.1
55°	554.7	665.5	789.2	858.9	818.6	708.3	598.5	511.9	458.3	421.7	397.0
57.5°	482.7	586.6	692.6	735.5	691.1	589.2	497.6	434.7	394.5	367.4	351.2
60°	438.2	529.0	623.3	660.4	607.2	516.5	444.3	388.2	355.7	333.6	319.1
62.5°	393.6	474.9	563.9	584.1	535.5	458.8	394.9	348.2	321.4	301.7	288.2
65°	333.1	399.5	467.1	480.5	435.7	376.4	325.8	295.4	271.7	257.2	246.4
67.5°	273.2	326.5	374.4	385.2	345.9	304.8	268.3	241.8	225.7	213.7	204.6
70°	237.6	279.9	319.1	327.9	296.4	259.8	232.0	210.9	196.4	186.1	177.3
72.5°	200.2	235.4	267.9	273.9	248.1	220.3	197.3	180.8	167.9	161.4	153.0
75°	153.1	173.7	198.9	200.6	183.5	166.5	149.0	138.1	131.5	123.2	119.1
77.5°	108.1	124.2	138.7	141.5	131.4	119.8	110.0	101.5	95.7	92.0	88.2
80°	82.5	95.3	101.6	105.1	98.0	89.7	84.0	78.4	74.7	72.2	69.6
82.5°	59.0	67.0	72.7	75.4	71.6	66.7	60.9	57.8	54.9	52.8	51.9
85°	29.9	33.5	37.2	38.2	37.2	35.0	31.9	31.9	30.4	29.9	29.9
87.5°	10.9	12.9	13.3	14.9	14.6	15.5	16.2	16.5	16.8	16.4	15.9
90°	2.7	4.7	6.8	8.8	11.6	15.2	18.9	22.5	26.3	25.9	25.5
92.5°	14.8	16.3	17.8	19.2	20.4	21.2	22.1	22.9	23.8	23.9	23.9
95°	40.6	42.3	43.9	45.6	46.7	47.0	47.3	47.7	48.0	48.0	48.0
97.5°	72.6	74.1	75.5	77.1	78.1	78.8	79.4	80.0	80.6	80.6	80.6
100°	96.5	97.9	99.2	100.5	101.4	101.9	102.4	102.9	103.4	103.4	103.4
102.5°	121.4	122.5	123.5	124.6	125.4	126.1	126.7	127.3	127.9	128.2	128.3
105°	161.6	162.1	162.6	163.1	163.5	163.9	164.2	164.5	164.9	165.2	165.5
107.5°	202.9	203.7	204.4	205.1	205.5	205.5	205.5	205.5	205.5	205.6	205.7
110°	229.5	230.6	231.6	232.6	233.1	233.1	233.1	233.1	233.1	233.1	233.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	258.3	259.3	260.3	261.4	261.8	261.7	261.5	261.4	261.3	260.8	260.4
115°	300.7	301.7	302.8	303.8	304.1	303.8	303.4	303.1	302.8	302.6	302.5
117.5°	343.4	344.7	346.0	347.3	347.5	346.6	345.7	344.8	343.9	343.5	343.1
120°	371.5	372.8	374.2	375.5	375.5	374.2	372.8	371.5	370.2	370.2	370.2
122.5°	397.6	399.2	400.7	402.3	402.7	401.7	400.8	399.9	399.0	398.6	398.2
125°	437.7	439.1	440.6	442.1	442.6	442.1	441.6	441.1	440.6	440.1	439.6
127.5°	477.2	479.1	480.9	482.8	483.5	482.9	482.3	481.7	481.1	480.5	479.9
130°	502.0	504.1	506.3	508.5	509.4	509.1	508.8	508.4	508.1	507.8	507.5
132.5°	529.2	531.0	532.7	534.4	535.4	535.4	535.5	535.6	535.6	534.9	534.2
135°	566.1	567.9	569.8	571.6	572.7	573.0	573.4	573.7	574.0	573.8	573.7
137.5°	604.6	606.1	607.6	609.0	610.1	610.5	611.0	611.4	611.8	611.7	611.5
140°	627.9	629.4	631.0	632.5	633.6	634.5	635.3	636.1	636.9	636.9	636.9
142.5°	652.0	653.5	655.0	656.4	657.5	658.0	658.6	659.1	659.7	659.8	660.0
145°	686.1	687.2	688.4	689.6	690.6	691.7	692.7	693.7	694.7	694.8	695.0
147.5°	717.0	718.4	719.8	721.2	722.3	723.0	723.6	724.3	725.0	725.3	725.7
150°	737.6	738.6	739.6	740.6	741.4	742.1	742.8	743.5	744.2	744.7	745.1
152.5°	756.2	757.2	758.2	759.2	760.1	760.9	761.7	762.5	763.4	764.0	764.6
155°	783.6	784.1	784.6	785.1	785.6	786.1	786.6	787.1	787.6	788.4	789.2
157.5°	807.3	807.6	807.9	808.3	808.6	808.9	809.2	809.5	809.8	810.9	812.0
160°	821.6	821.9	822.3	822.6	822.9	823.0	823.2	823.3	823.5	824.6	825.6
162.5°	834.6	834.7	834.7	834.8	834.9	835.1	835.3	835.4	835.6	836.7	837.8
165°	851.8	851.7	851.5	851.4	851.3	851.3	851.3	851.3	851.3	852.4	853.6
167.5°	866.3	865.8	865.3	864.7	864.4	864.4	864.3	864.3	864.3	865.5	866.7
170°	874.0	873.5	873.0	872.5	872.2	872.0	871.8	871.7	871.5	872.7	873.8
172.5°	879.4	878.9	878.4	877.9	877.6	877.4	877.3	877.1	876.9	878.1	879.3
175°	886.1	885.6	885.0	884.5	884.1	883.7	883.4	883.1	882.7	883.9	885.0
177.5°	888.8	888.4	888.0	887.6	887.3	887.0	886.8	886.5	886.2	887.0	887.8
180°	888.0	888.0	888.0	888.0	888.0	888.0	888.0	888.0	888.0	888.0	888.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4
2.5°	1391.3	1397.0	1397.0	1397.9	1404.5	1403.6	1403.2
5°	1480.6	1489.3	1490.4	1499.6	1505.8	1503.8	1498.1
7.5°	1564.8	1581.1	1593.5	1600.3	1608.5	1613.6	1611.3
10°	1631.6	1655.4	1669.8	1679.6	1691.4	1700.2	1697.1
12.5°	1692.2	1720.5	1740.3	1757.1	1758.7	1769.9	1762.2
15°	1786.8	1816.6	1819.8	1832.2	1842.0	1840.9	1841.4
17.5°	1818.1	1827.7	1829.6	1829.9	1830.0	1826.3	1818.6
20°	1806.9	1803.3	1794.5	1787.9	1775.9	1774.4	1764.1
22.5°	1754.1	1742.6	1720.7	1706.2	1687.7	1682.8	1680.0
25°	1650.2	1624.9	1589.8	1556.3	1547.1	1529.0	1534.2
27.5°	1507.6	1468.2	1430.3	1403.0	1378.4	1351.4	1359.1
30°	1407.3	1363.0	1309.4	1268.2	1241.9	1216.1	1211.4
32.5°	1287.8	1222.8	1163.0	1126.7	1086.4	1070.2	1052.3
35°	1081.6	1018.1	958.9	907.9	878.5	855.8	835.2
37.5°	896.1	823.0	775.3	733.9	712.7	699.6	703.0
40°	781.0	717.1	682.1	650.6	631.0	621.7	623.8
42.5°	687.8	640.0	611.1	589.6	575.7	570.6	569.4
45°	582.0	555.2	531.5	519.2	512.4	506.8	503.1
47.5°	509.9	488.0	474.6	467.3	461.4	455.7	455.6
50°	466.6	452.1	442.8	435.0	430.5	426.4	429.9
52.5°	433.5	420.3	411.1	404.1	402.4	398.7	398.6
55°	384.6	374.3	367.6	361.3	358.3	356.2	353.7
57.5°	340.0	330.2	324.1	320.1	314.3	312.1	311.3
60°	308.3	300.5	294.4	289.2	286.6	282.5	282.5
62.5°	279.0	271.2	265.5	261.6	257.3	255.7	256.1
65°	236.6	230.5	224.8	220.7	219.6	216.5	217.5
67.5°	197.6	193.5	187.5	185.3	183.3	181.7	180.5
70°	171.7	167.5	164.4	161.4	159.8	159.8	159.8
72.5°	149.8	144.8	143.0	139.1	140.0	138.4	136.7
75°	116.0	112.9	111.4	109.8	107.2	107.2	107.2
77.5°	85.3	84.4	82.6	80.9	80.3	79.8	80.0
80°	65.9	65.4	64.4	64.4	63.4	62.9	61.9
82.5°	50.7	49.4	48.8	48.4	48.2	48.1	47.9
85°	28.9	27.9	27.9	28.4	27.4	27.4	27.9
87.5°	16.2	16.2	15.7	15.8	16.2	15.8	15.9
90°	25.2	24.9	24.8	24.9	25.1	25.3	25.4
92.5°	24.0	24.1	24.1	24.1	24.2	24.2	24.2
95°	48.0	48.0	47.8	47.5	47.2	46.8	46.5
97.5°	80.6	80.6	80.6	80.6	80.6	80.5	80.5
100°	103.4	103.4	103.3	103.2	103.0	102.8	102.7
102.5°	128.4	128.6	128.6	128.4	128.2	128.1	127.8
105°	165.8	166.2	166.3	166.3	166.3	166.3	166.3
107.5°	205.9	206.0	205.7	204.9	204.2	203.4	202.7
110°	233.1	233.1	232.8	232.3	231.8	231.3	230.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	260.0	259.6	259.2	258.9	258.5	258.1	257.8
115°	302.3	302.1	301.7	301.2	300.7	300.2	299.7
117.5°	342.6	342.2	341.7	341.2	340.7	340.2	339.7
120°	370.2	370.2	369.9	369.4	368.9	368.4	367.9
122.5°	397.8	397.4	397.0	396.6	396.3	395.9	395.6
125°	439.1	438.6	438.3	438.2	438.0	437.8	437.7
127.5°	479.3	478.7	478.2	477.6	477.1	476.6	476.1
130°	507.1	506.8	506.2	505.5	504.9	504.2	503.6
132.5°	533.4	532.7	532.1	531.6	531.0	530.5	530.0
135°	573.5	573.4	573.0	572.5	572.0	571.5	571.0
137.5°	611.4	611.3	610.9	610.2	609.6	608.8	608.1
140°	636.9	636.9	636.6	636.0	635.3	634.6	634.0
142.5°	660.1	660.2	660.0	659.3	658.6	658.0	657.3
145°	695.2	695.3	695.1	694.4	693.8	693.1	692.5
147.5°	726.0	726.4	726.3	725.7	725.0	724.4	723.8
150°	745.6	746.1	746.1	745.6	745.1	744.7	744.2
152.5°	765.2	765.9	765.9	765.2	764.6	764.0	763.4
155°	790.1	790.9	791.1	790.6	790.1	789.6	789.1
157.5°	813.1	814.3	814.5	813.6	812.8	812.0	811.2
160°	826.6	827.6	827.7	827.1	826.4	825.8	825.1
162.5°	839.0	840.1	840.2	839.4	838.7	837.9	837.1
165°	854.7	856.0	856.2	855.3	854.4	853.6	852.8
167.5°	867.8	869.0	869.1	868.3	867.4	866.6	865.7
170°	875.0	876.2	876.3	875.3	874.2	873.2	872.2
172.5°	880.4	881.6	881.6	880.7	879.7	878.7	877.7
175°	886.3	887.5	887.5	886.5	885.6	884.5	883.5
177.5°	888.6	889.4	889.4	888.6	887.8	887.0	886.2
180°	888.0	888.0	888.0	888.0	888.0	888.0	888.0

(END OF REPORT)