

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: P332746

Luminaire Tested: **S124DIW-S575D470U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332746
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124DIW-S575D470U835-4F0-1E-UDD-A1
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 470 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4218.7 lumens
Efficiency: N/A
Efficacy: 139.7 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Direct

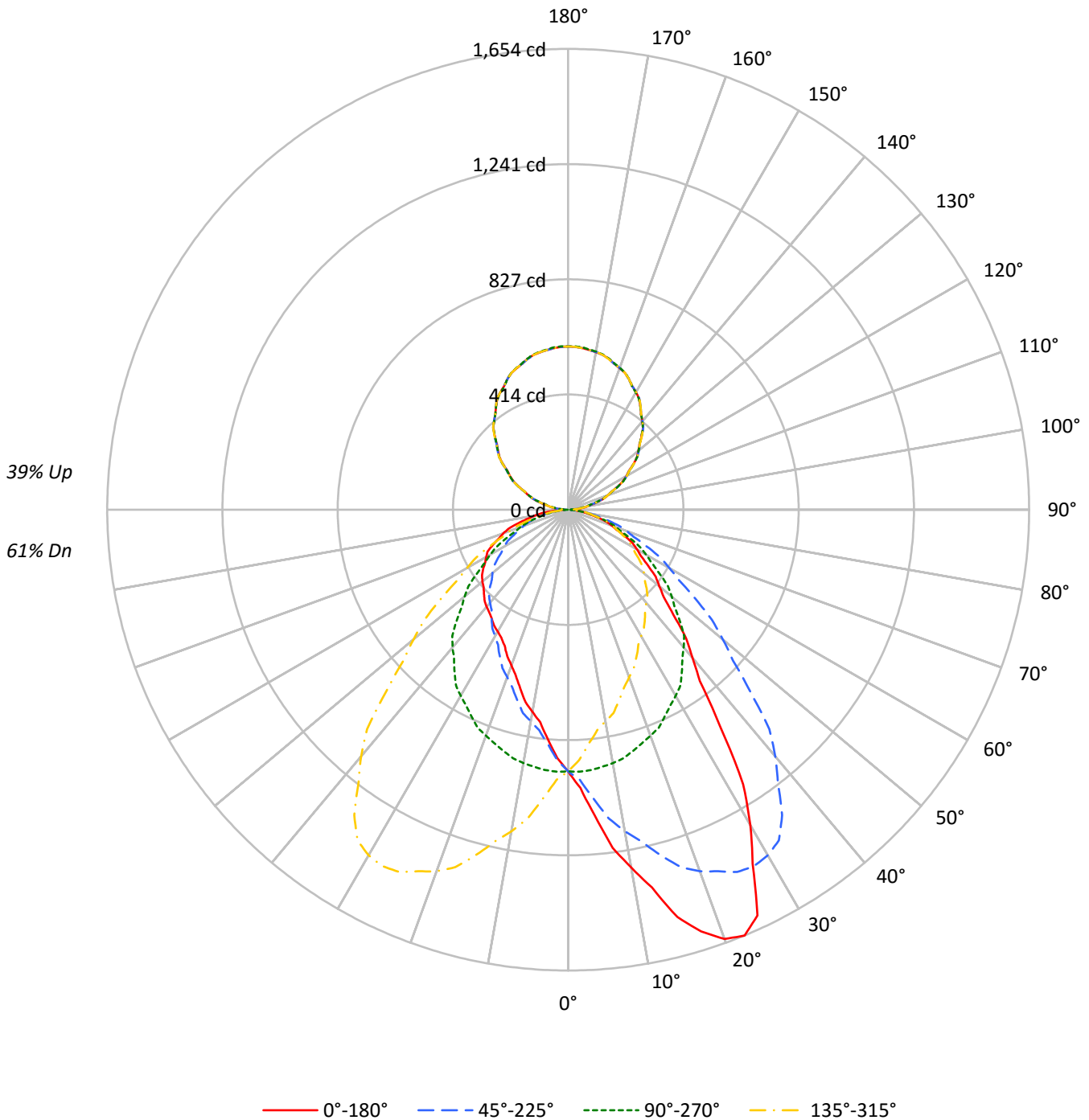
Input Watts (W): 30.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	110	110	110	103	103	103	103	90	90	90	78	78	78	67	67	67	61
1	101	96	92	89	94	90	87	84	79	77	74	69	67	65	59	58	57	52
2	92	84	78	73	86	79	74	69	70	66	62	61	58	55	53	50	48	44
3	84	75	67	61	78	70	64	58	62	57	52	54	50	47	47	44	41	38
4	77	66	58	52	72	62	55	50	55	49	45	48	44	40	42	39	36	33
5	71	59	51	45	66	56	48	43	49	44	39	44	39	35	38	34	31	29
6	65	53	45	39	61	50	43	38	45	39	34	39	35	31	35	31	28	25
7	61	48	40	35	57	46	38	33	41	35	30	36	31	28	32	28	25	22
8	56	44	36	31	53	42	34	29	37	31	27	33	28	25	29	25	22	20
9	52	40	33	27	49	38	31	26	34	28	24	30	26	22	27	23	20	18
10	49	37	30	25	46	35	28	24	31	26	22	28	23	20	25	21	18	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7582	7582	7582	7582
5°	8930	7602	6710	7602
10°	10691	7569	6041	7569
15°	12649	7492	5548	7492
20°	14086	7414	5107	7414
25°	14313	7299	4804	7299
30°	12179	7189	4708	7189
35°	9363	7009	4709	7009
40°	7299	6798	4797	6798
45°	6085	6481	4877	6481
50°	5355	6094	5043	6094
55°	4906	5630	5246	5630
60°	4598	5214	5491	5214
65°	4281	4749	5692	4749
70°	3911	4289	5823	4289
75°	3497	3774	5752	3774
80°	2929	3092	5570	3092
85°	2158	2232	5335	2232



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.5	2.2
10°-20°	282.0	6.7
20°-30°	447.2	10.6
30°-40°	497.7	11.8
40°-50°	453.1	10.7
50°-60°	370.2	8.8
60°-70°	264.3	6.3
70°-80°	145.5	3.5
80°-90°	41.5	1.0
90°-100°	38.6	0.9
100°-110°	114.5	2.7
110°-120°	194.3	4.6
120°-130°	256.2	6.1
130°-140°	287.7	6.8
140°-150°	282.7	6.7
150°-160°	237.8	5.6
160°-170°	158.2	3.8
170°-180°	55.4	1.3
0°-30°	820.8	19.5
0°-40°	1318.5	31.3
0°-60°	2141.8	50.8
0°-90°	2593.2	61.5
90°-120°	347.4	8.2
90°-150°	1174.1	27.8
90°-180°	1626.0	38.5
0°-180°	4218.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	939	939	939	939	939	
5°	1102	938	828	938	1102	112
15°	1514	896	664	896	1514	428
25°	1607	819	539	819	1607	708
35°	950	711	478	711	950	603
45°	533	568	427	568	533	420
55°	349	400	373	400	349	315
65°	224	249	298	249	224	222
75°	112	121	184	121	112	119
85°	23	24	58	24	23	29
90°	14	1	14	1	14	8
95°	36	27	36	27	36	37
105°	111	106	111	106	111	117
115°	196	198	196	198	196	193
125°	286	288	286	288	286	255
135°	372	371	372	371	372	287
145°	451	451	451	451	451	282
155°	516	517	516	517	516	238
165°	561	562	561	562	561	158
175°	582	585	582	585	582	55
180°	586	586	586	586	586	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	999.6	999.3	996.2	995.6	993.4	990.6	990.0	985.0	975.0	970.4	969.1
5°	1101.9	1109.7	1099.5	1097.6	1096.4	1083.6	1077.0	1069.2	1051.3	1040.8	1032.6
7.5°	1223.9	1224.8	1220.4	1216.8	1206.9	1195.7	1178.9	1161.0	1139.7	1117.5	1100.8
10°	1304.2	1307.3	1302.3	1301.5	1281.6	1269.2	1244.3	1223.3	1199.1	1172.3	1147.8
12.5°	1388.9	1384.5	1381.9	1365.3	1361.6	1338.9	1310.0	1288.3	1251.1	1220.2	1187.6
15°	1513.5	1505.0	1499.5	1476.6	1465.3	1433.8	1403.0	1379.3	1330.7	1284.4	1249.3
17.5°	1586.7	1595.2	1582.6	1573.2	1544.0	1521.9	1490.5	1440.7	1402.6	1345.1	1300.9
20°	1639.6	1640.4	1633.4	1623.6	1600.7	1572.7	1538.4	1484.0	1438.4	1381.2	1320.5
22.5°	1653.9	1654.1	1651.1	1642.0	1624.6	1601.9	1567.4	1521.9	1466.8	1404.6	1343.9
25°	1606.9	1605.4	1608.9	1619.0	1612.4	1605.4	1585.5	1551.7	1500.3	1434.5	1369.2
27.5°	1432.3	1443.0	1462.8	1487.7	1511.7	1529.9	1535.1	1528.2	1496.3	1442.2	1373.8
30°	1306.5	1319.8	1334.5	1359.5	1407.7	1435.3	1465.7	1488.6	1475.8	1432.6	1368.8
32.5°	1168.3	1171.6	1193.5	1221.9	1266.1	1319.2	1367.3	1413.9	1429.4	1406.8	1353.5
35°	950.1	955.6	979.3	1007.3	1061.4	1126.4	1198.8	1263.3	1316.7	1338.1	1310.8
37.5°	775.4	791.0	807.7	837.8	885.5	944.0	1019.2	1102.7	1182.2	1235.4	1244.4
40°	692.6	702.3	714.4	737.3	777.8	835.4	899.9	995.7	1080.1	1156.4	1181.3
42.5°	627.2	632.9	640.3	661.0	691.9	749.1	808.1	892.3	977.1	1068.3	1110.0
45°	533.0	538.9	551.3	563.4	586.7	626.4	681.3	750.5	835.7	923.7	1000.7
47.5°	465.0	468.8	476.2	489.1	508.9	535.1	579.7	637.5	716.5	801.9	884.0
50°	426.4	429.5	435.4	447.1	462.2	485.6	522.1	576.2	638.1	724.1	804.6
52.5°	395.9	397.2	401.5	409.4	421.5	441.1	471.1	515.8	573.4	650.0	730.2
55°	348.6	350.2	354.1	359.9	370.4	382.9	405.8	439.3	489.5	556.0	625.6
57.5°	309.7	310.8	314.1	316.3	325.0	335.1	352.7	376.6	414.7	471.1	533.3
60°	284.8	284.0	287.9	289.9	295.7	304.3	317.9	340.8	373.9	419.4	476.6
62.5°	260.5	259.4	262.7	265.3	268.6	275.9	287.1	305.0	331.9	373.1	422.5
65°	224.1	222.6	224.5	227.6	230.7	234.6	242.8	258.7	280.1	309.7	347.4
67.5°	187.5	189.2	189.5	191.0	192.8	198.1	203.7	215.0	230.1	253.8	285.7
70°	165.7	166.1	167.7	167.7	168.9	173.5	178.2	184.8	199.6	221.4	247.5
72.5°	144.0	145.6	145.0	146.2	147.1	150.2	153.6	159.9	172.5	188.7	210.7
75°	112.1	113.2	113.2	113.6	114.8	115.9	118.7	123.3	132.3	144.3	159.5
77.5°	81.7	81.9	82.4	83.8	83.8	85.7	87.7	91.4	95.9	104.1	113.4
80°	63.0	63.8	63.4	64.2	64.2	65.8	66.5	71.2	73.1	78.6	86.0
82.5°	46.2	47.0	46.9	48.0	48.6	48.9	50.0	51.9	53.8	58.7	61.7
85°	23.3	24.1	23.3	24.1	25.3	25.7	26.8	27.2	28.8	30.0	32.7
87.5°	9.6	10.5	10.4	10.7	11.3	11.5	11.7	11.3	12.4	12.6	13.7
90°	13.6	13.4	13.2	13.0	12.8	12.4	11.8	11.2	10.6	10.0	9.2
92.5°	20.1	20.0	19.9	19.8	19.6	19.4	19.0	18.7	18.3	17.9	17.4
95°	35.8	35.8	35.8	35.8	35.8	35.6	35.3	35.0	34.7	34.4	33.7
97.5°	56.1	56.1	56.1	56.1	56.1	55.9	55.6	55.2	54.8	54.5	53.6
100°	70.2	70.2	70.2	70.2	70.2	70.1	69.9	69.7	69.5	69.3	68.4
102.5°	86.2	86.1	86.0	85.9	85.9	85.7	85.4	85.1	84.8	84.6	83.7
105°	110.6	110.3	110.0	109.7	109.4	109.1	108.8	108.5	108.1	107.8	107.4
107.5°	134.3	134.3	134.4	134.4	134.4	134.3	134.0	133.7	133.4	133.1	133.1
110°	151.3	151.0	150.7	150.4	150.1	150.1	150.3	150.5	150.7	150.9	151.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	168.7	168.7	168.6	168.6	168.5	168.5	168.5	168.6	168.6	168.7	168.8
115°	195.8	195.9	196.0	196.1	196.2	196.3	196.4	196.5	196.6	196.7	196.9
117.5°	221.5	221.7	221.9	222.1	222.3	222.6	222.9	223.3	223.6	223.9	224.1
120°	241.1	240.9	240.7	240.5	240.3	240.4	240.9	241.4	241.9	242.4	242.7
122.5°	257.4	257.7	258.1	258.5	258.8	259.2	259.5	259.9	260.2	260.6	260.7
125°	285.5	285.7	285.9	286.1	286.3	286.5	286.7	286.9	287.1	287.3	287.4
127.5°	311.5	311.7	311.8	312.0	312.1	312.3	312.5	312.7	312.9	313.1	313.3
130°	328.5	328.9	329.3	329.7	330.1	330.4	330.6	330.8	331.0	331.2	331.2
132.5°	346.7	346.8	347.0	347.1	347.3	347.5	347.7	347.9	348.1	348.3	348.4
135°	371.6	371.9	372.2	372.5	372.8	373.0	373.2	373.4	373.6	373.8	373.8
137.5°	397.8	397.7	397.6	397.6	397.5	397.6	397.9	398.1	398.4	398.7	398.5
140°	413.7	413.8	413.9	414.0	414.1	414.2	414.3	414.4	414.5	414.6	414.6
142.5°	429.7	429.7	429.7	429.7	429.7	429.8	429.8	429.8	429.8	429.8	429.9
145°	451.3	451.6	451.9	452.2	452.5	452.7	452.8	452.9	453.0	453.1	453.0
147.5°	473.3	473.4	473.5	473.6	473.7	473.8	473.8	473.9	474.0	474.1	474.2
150°	486.7	486.8	486.9	487.0	487.1	487.1	487.1	487.1	487.1	487.1	487.1
152.5°	499.0	499.3	499.5	499.8	500.0	500.1	499.8	499.6	499.3	499.1	499.0
155°	516.1	516.5	516.9	517.3	517.7	517.7	517.3	516.9	516.5	516.1	516.2
157.5°	531.4	531.8	532.1	532.5	532.8	532.8	532.5	532.2	531.9	531.6	531.6
160°	540.1	540.6	541.2	541.7	542.2	542.3	542.0	541.7	541.4	541.1	541.2
162.5°	549.2	549.7	550.2	550.7	551.2	551.2	550.7	550.1	549.6	549.0	549.1
165°	561.0	561.4	561.8	562.2	562.6	562.5	561.9	561.3	560.7	560.1	560.3
167.5°	569.4	570.0	570.7	571.3	571.9	571.9	571.3	570.7	570.1	569.5	569.5
170°	574.1	574.8	575.5	576.2	576.9	577.0	576.4	575.8	575.2	574.6	574.5
172.5°	578.1	578.8	579.5	580.2	580.9	580.9	580.3	579.6	578.9	578.2	578.2
175°	582.3	583.0	583.7	584.4	585.1	585.1	584.4	583.7	583.0	582.3	582.4
177.5°	584.5	585.1	585.8	586.4	587.0	587.1	586.5	586.0	585.4	584.8	584.8
180°	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	969.4	965.1	962.0	959.5	952.6	948.6	945.5	941.1	936.1	930.8	924.3
5°	1024.5	1011.2	1001.5	986.7	972.7	961.0	949.0	938.1	924.8	910.5	899.9
7.5°	1082.3	1062.6	1037.4	1015.5	990.9	969.5	950.4	930.8	910.4	890.6	872.5
10°	1119.0	1093.7	1065.7	1032.6	1001.5	973.9	948.2	923.3	899.2	875.0	854.4
12.5°	1158.5	1127.0	1085.6	1046.9	1012.1	975.1	944.1	913.6	884.5	859.2	835.1
15°	1211.6	1166.1	1118.2	1066.5	1020.6	977.4	935.0	896.4	863.8	830.3	807.0
17.5°	1244.2	1187.9	1133.2	1079.1	1023.5	969.0	923.3	878.9	837.9	804.7	775.3
20°	1265.7	1209.7	1141.6	1087.5	1021.3	965.3	912.4	863.0	820.2	784.8	754.4
22.5°	1284.4	1219.6	1151.5	1080.3	1014.5	955.0	897.1	847.4	803.7	766.4	737.3
25°	1294.5	1220.2	1146.2	1075.4	1000.7	930.3	877.8	819.4	772.7	733.4	702.3
27.5°	1295.6	1216.1	1132.5	1053.8	976.7	911.1	844.8	792.6	744.2	702.6	672.7
30°	1292.1	1209.3	1119.4	1034.2	956.8	885.5	828.0	771.2	721.7	680.5	649.4
32.5°	1281.2	1194.9	1102.6	1012.4	932.2	862.5	803.1	749.1	700.9	660.3	627.6
35°	1249.7	1164.5	1066.1	972.3	890.2	819.8	766.1	711.2	663.0	624.5	593.0
37.5°	1200.5	1123.4	1023.4	926.3	845.7	775.0	721.7	672.2	628.7	589.5	557.2
40°	1157.5	1089.8	989.4	894.9	807.7	740.4	690.6	645.1	601.9	564.9	534.2
42.5°	1108.0	1049.0	956.4	856.3	772.2	704.6	656.1	615.2	574.5	540.4	509.6
45°	1019.8	980.9	893.7	801.1	713.6	649.8	603.5	567.7	533.4	500.0	474.3
47.5°	918.3	899.0	825.6	737.7	654.6	591.7	551.6	518.5	488.5	460.1	437.5
50°	850.1	840.8	777.4	692.6	613.2	554.1	513.6	485.2	459.5	434.6	413.2
52.5°	782.9	782.6	725.4	647.7	574.3	517.3	477.2	450.6	428.4	408.1	388.9
55°	680.1	691.0	646.3	577.0	511.3	459.9	423.7	400.0	384.4	367.7	353.3
57.5°	585.7	603.8	566.9	505.9	451.0	403.7	372.2	354.4	337.8	327.7	317.2
60°	524.1	541.2	512.4	461.1	409.3	368.8	338.9	322.9	308.5	301.5	294.1
62.5°	469.3	484.6	463.2	415.6	370.7	331.8	306.5	291.2	281.5	273.8	268.9
65°	391.0	403.9	385.6	351.0	312.4	281.3	260.7	248.6	239.3	236.2	230.7
67.5°	316.1	327.8	317.9	288.5	257.6	234.0	217.9	206.3	200.8	198.0	194.2
70°	271.6	283.3	272.7	247.1	223.3	203.5	188.3	181.7	175.9	174.7	169.3
72.5°	233.9	241.9	231.3	211.3	191.0	174.2	162.5	155.6	152.5	150.4	147.5
75°	175.5	182.5	175.5	159.9	145.5	133.8	123.7	121.0	117.5	116.3	114.4
77.5°	124.2	130.3	124.9	115.2	104.4	95.4	90.0	86.5	85.7	83.7	84.6
80°	94.9	98.8	93.8	87.2	78.6	72.4	68.5	66.5	64.2	63.4	65.0
82.5°	68.2	69.9	67.3	62.9	56.5	52.4	49.8	47.5	47.1	47.2	47.2
85°	35.4	35.0	34.6	30.7	28.8	26.1	24.5	24.1	23.7	24.5	25.3
87.5°	13.5	13.6	13.2	11.7	10.6	9.4	8.9	8.4	8.9	9.4	10.0
90°	8.4	7.6	6.7	5.8	4.7	3.6	2.5	1.4	2.5	3.6	4.7
92.5°	16.8	16.3	15.7	14.8	13.5	12.2	11.0	9.7	11.0	12.2	13.5
95°	33.0	32.3	31.6	30.8	29.9	29.0	28.1	27.2	28.1	29.0	29.9
97.5°	52.8	52.0	51.2	50.4	49.7	48.9	48.2	47.5	48.2	48.9	49.7
100°	67.5	66.6	65.7	65.1	64.6	64.2	63.8	63.4	63.8	64.2	64.6
102.5°	82.9	82.1	81.3	80.8	80.6	80.4	80.3	80.1	80.3	80.4	80.6
105°	107.0	106.6	106.2	106.0	105.9	105.8	105.7	105.6	105.7	105.8	105.9
107.5°	133.0	133.0	132.9	132.8	132.7	132.6	132.4	132.3	132.4	132.6	132.7
110°	151.1	151.2	151.3	151.2	151.0	150.8	150.6	150.4	150.6	150.8	151.0



TEST NUMBER: P332746

CATALOG NUMBER: S124DIW-S575D470U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	169.0	169.2	169.4	169.5	169.4	169.4	169.3	169.3	169.3	169.4	169.4
115°	197.1	197.3	197.5	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6
117.5°	224.2	224.4	224.5	224.5	224.5	224.4	224.3	224.2	224.3	224.4	224.5
120°	243.0	243.3	243.6	243.6	243.2	242.8	242.4	242.0	242.4	242.8	243.2
122.5°	260.8	261.0	261.1	261.1	260.9	260.8	260.6	260.5	260.6	260.8	260.9
125°	287.5	287.6	287.7	287.7	287.7	287.7	287.7	287.7	287.7	287.7	287.7
127.5°	313.4	313.6	313.8	313.7	313.4	313.1	312.8	312.5	312.8	313.1	313.4
130°	331.2	331.2	331.2	331.1	330.8	330.5	330.2	329.9	330.2	330.5	330.8
132.5°	348.4	348.5	348.6	348.5	348.3	348.1	347.9	347.6	347.9	348.1	348.3
135°	373.8	373.8	373.8	373.5	372.9	372.3	371.7	371.1	371.7	372.3	372.9
137.5°	398.4	398.2	398.0	397.8	397.5	397.2	397.0	396.7	397.0	397.2	397.5
140°	414.6	414.6	414.6	414.5	414.3	414.1	413.9	413.7	413.9	414.1	414.3
142.5°	430.0	430.1	430.2	430.1	429.9	429.7	429.5	429.3	429.5	429.7	429.9
145°	452.9	452.8	452.7	452.5	452.1	451.7	451.3	450.9	451.3	451.7	452.1
147.5°	474.2	474.3	474.4	474.2	473.7	473.2	472.7	472.3	472.7	473.2	473.7
150°	487.1	487.1	487.1	486.9	486.5	486.1	485.7	485.3	485.7	486.1	486.5
152.5°	498.9	498.8	498.8	498.6	498.4	498.1	497.9	497.6	497.9	498.1	498.4
155°	516.3	516.4	516.5	516.6	516.6	516.6	516.6	516.6	516.6	516.6	516.6
157.5°	531.7	531.7	531.7	531.8	532.0	532.2	532.3	532.5	532.3	532.2	532.0
160°	541.3	541.4	541.5	541.6	541.7	541.8	541.9	542.0	541.9	541.8	541.7
162.5°	549.2	549.3	549.4	549.6	549.9	550.1	550.4	550.7	550.4	550.1	549.9
165°	560.5	560.7	560.9	561.1	561.4	561.7	562.0	562.3	562.0	561.7	561.4
167.5°	569.5	569.4	569.4	569.6	570.1	570.5	570.9	571.3	570.9	570.5	570.1
170°	574.4	574.3	574.2	574.4	574.9	575.4	575.9	576.4	575.9	575.4	574.9
172.5°	578.2	578.1	578.1	578.3	578.8	579.2	579.6	580.0	579.6	579.2	578.8
175°	582.5	582.6	582.7	583.0	583.5	584.0	584.5	585.0	584.5	584.0	583.5
177.5°	584.8	584.8	584.8	585.0	585.4	585.8	586.2	586.6	586.2	585.8	585.4
180°	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9



TEST NUMBER: P332746

CATALOG NUMBER: S124DIW-S575D470U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	921.2	918.4	914.3	908.7	904.1	899.1	897.8	896.0	899.7	896.6	895.7
5°	891.0	882.8	872.3	860.3	853.3	843.1	841.2	837.3	833.4	833.0	829.1
7.5°	859.0	847.0	833.3	821.0	809.6	798.6	791.3	789.8	784.0	780.7	776.8
10°	838.5	823.7	807.7	796.1	782.8	771.2	763.0	758.3	754.4	750.1	746.3
12.5°	814.2	798.5	785.3	772.7	757.0	748.1	734.7	726.6	725.8	725.9	715.8
15°	785.9	770.4	750.1	732.3	723.7	706.6	699.2	689.8	684.0	678.2	673.5
17.5°	753.7	734.3	718.5	697.9	681.6	668.0	658.2	652.6	643.9	635.6	629.6
20°	733.4	712.8	696.1	674.3	656.4	639.7	631.5	623.7	617.1	610.1	603.5
22.5°	712.9	691.3	670.9	649.7	633.0	615.4	607.5	596.9	590.6	586.7	580.1
25°	680.5	657.2	633.8	613.6	596.5	580.9	570.4	562.2	555.2	552.1	547.8
27.5°	645.3	622.1	599.6	576.6	557.2	545.9	537.5	531.3	527.3	523.2	521.2
30°	622.9	598.8	574.7	553.3	535.4	524.1	516.3	512.0	508.9	507.0	505.0
32.5°	600.2	576.4	551.0	531.5	515.5	505.4	499.5	495.2	493.7	493.0	492.3
35°	563.8	539.7	516.3	498.8	483.6	479.7	474.7	472.3	471.6	474.3	475.5
37.5°	528.5	506.1	484.6	467.7	457.7	452.0	450.3	450.4	453.2	455.6	458.4
40°	505.8	484.0	463.8	449.0	439.7	436.2	435.4	437.3	440.4	443.2	446.3
42.5°	483.7	462.2	443.9	430.0	423.5	420.3	420.8	422.7	427.1	430.4	435.1
45°	449.4	431.5	413.6	402.3	396.9	397.6	397.6	401.1	405.4	410.5	415.5
47.5°	417.1	399.0	384.3	374.8	372.0	371.3	373.5	378.1	384.3	390.5	397.6
50°	395.3	378.2	365.3	356.8	353.7	354.8	358.0	362.2	369.6	377.4	384.8
52.5°	373.2	357.6	345.7	337.8	335.6	337.7	340.8	347.6	354.1	362.5	371.4
55°	338.9	325.7	316.3	310.5	309.7	310.9	314.4	321.8	331.1	341.6	350.2
57.5°	304.7	293.7	285.1	281.1	281.5	282.6	288.3	297.1	307.1	318.3	329.3
60°	281.7	271.6	264.6	261.5	261.9	264.2	271.2	279.4	291.8	302.7	314.4
62.5°	259.9	251.0	244.3	241.5	241.0	246.1	252.8	261.3	273.8	285.9	298.5
65°	224.9	217.9	212.4	210.9	212.0	215.9	224.5	235.8	246.3	259.1	272.4
67.5°	190.6	184.9	181.2	181.9	183.3	189.0	196.2	205.9	217.8	231.1	244.2
70°	168.9	163.4	160.3	160.7	163.0	170.0	176.3	186.0	198.8	212.4	223.3
72.5°	146.5	142.9	140.1	141.7	144.0	148.9	156.6	166.4	177.7	190.3	201.9
75°	112.4	112.4	110.9	112.1	115.6	120.2	126.1	136.2	147.5	157.6	166.9
77.5°	83.4	82.6	83.6	85.0	87.0	92.5	99.2	106.5	114.9	125.1	132.8
80°	63.8	64.2	66.1	68.5	69.3	73.5	80.5	87.2	93.8	102.3	109.7
82.5°	47.9	48.3	49.3	52.3	53.1	57.7	62.2	68.8	74.8	80.5	86.7
85°	26.1	26.1	28.0	29.2	31.1	34.2	37.0	40.9	46.3	50.2	56.0
87.5°	11.1	11.3	12.7	13.5	14.6	16.3	17.1	20.6	22.0	23.6	26.5
90°	5.8	6.7	7.6	8.4	9.2	10.0	10.6	11.2	11.8	12.4	12.8
92.5°	14.8	15.7	16.3	16.8	17.4	17.9	18.3	18.7	19.0	19.4	19.6
95°	30.8	31.6	32.3	33.0	33.7	34.4	34.7	35.0	35.3	35.6	35.8
97.5°	50.4	51.2	52.0	52.8	53.6	54.5	54.8	55.2	55.6	55.9	56.1
100°	65.1	65.7	66.6	67.5	68.4	69.3	69.5	69.7	69.9	70.1	70.2
102.5°	80.8	81.3	82.1	82.9	83.7	84.6	84.8	85.1	85.4	85.7	85.9
105°	106.0	106.2	106.6	107.0	107.4	107.8	108.1	108.5	108.8	109.1	109.4
107.5°	132.8	132.9	133.0	133.0	133.1	133.1	133.4	133.7	134.0	134.3	134.4
110°	151.2	151.3	151.2	151.1	151.0	150.9	150.7	150.5	150.3	150.1	150.1



TEST NUMBER: P332746

CATALOG NUMBER: S124DIW-S575D470U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	169.5	169.4	169.2	169.0	168.8	168.7	168.6	168.6	168.5	168.5	168.5
115°	197.6	197.5	197.3	197.1	196.9	196.7	196.6	196.5	196.4	196.3	196.2
117.5°	224.5	224.5	224.4	224.2	224.1	223.9	223.6	223.3	222.9	222.6	222.3
120°	243.6	243.6	243.3	243.0	242.7	242.4	241.9	241.4	240.9	240.4	240.3
122.5°	261.1	261.1	261.0	260.8	260.7	260.6	260.2	259.9	259.5	259.2	258.8
125°	287.7	287.7	287.6	287.5	287.4	287.3	287.1	286.9	286.7	286.5	286.3
127.5°	313.7	313.8	313.6	313.4	313.3	313.1	312.9	312.7	312.5	312.3	312.1
130°	331.1	331.2	331.2	331.2	331.2	331.2	331.0	330.8	330.6	330.4	330.1
132.5°	348.5	348.6	348.5	348.4	348.4	348.3	348.1	347.9	347.7	347.5	347.3
135°	373.5	373.8	373.8	373.8	373.8	373.8	373.6	373.4	373.2	373.0	372.8
137.5°	397.8	398.0	398.2	398.4	398.5	398.7	398.4	398.1	397.9	397.6	397.5
140°	414.5	414.6	414.6	414.6	414.6	414.6	414.5	414.4	414.3	414.2	414.1
142.5°	430.1	430.2	430.1	430.0	429.9	429.8	429.8	429.8	429.8	429.8	429.7
145°	452.5	452.7	452.8	452.9	453.0	453.1	453.0	452.9	452.8	452.7	452.5
147.5°	474.2	474.4	474.3	474.2	474.2	474.1	474.0	473.9	473.8	473.8	473.7
150°	486.9	487.1	487.1	487.1	487.1	487.1	487.1	487.1	487.1	487.1	487.1
152.5°	498.6	498.8	498.8	498.9	499.0	499.1	499.3	499.6	499.8	500.1	500.0
155°	516.6	516.5	516.4	516.3	516.2	516.1	516.5	516.9	517.3	517.7	517.7
157.5°	531.8	531.7	531.7	531.7	531.6	531.6	531.9	532.2	532.5	532.8	532.8
160°	541.6	541.5	541.4	541.3	541.2	541.1	541.4	541.7	542.0	542.3	542.2
162.5°	549.6	549.4	549.3	549.2	549.1	549.0	549.6	550.1	550.7	551.2	551.2
165°	561.1	560.9	560.7	560.5	560.3	560.1	560.7	561.3	561.9	562.5	562.6
167.5°	569.6	569.4	569.4	569.5	569.5	569.5	570.1	570.7	571.3	571.9	571.9
170°	574.4	574.2	574.3	574.4	574.5	574.6	575.2	575.8	576.4	577.0	576.9
172.5°	578.3	578.1	578.1	578.2	578.2	578.2	578.9	579.6	580.3	580.9	580.9
175°	583.0	582.7	582.6	582.5	582.4	582.3	583.0	583.7	584.4	585.1	585.1
177.5°	585.0	584.8	584.8	584.8	584.8	584.8	585.4	586.0	586.5	587.1	587.0
180°	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9



TEST NUMBER: P332746

CATALOG NUMBER: S124DIW-S575D470U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	895.0	894.4	892.2	891.9	892.2	894.4	895.0	895.7	896.6	899.7	896.0
5°	826.8	824.9	823.7	828.0	823.7	824.9	826.8	829.1	833.0	833.4	837.3
7.5°	775.4	773.8	770.4	769.3	770.4	773.8	775.4	776.8	780.7	784.0	789.8
10°	742.4	740.8	737.7	736.9	737.7	740.8	742.4	746.3	750.1	754.4	758.3
12.5°	710.6	707.5	706.9	707.7	706.9	707.5	710.6	715.8	725.9	725.8	726.6
15°	668.4	666.9	662.6	663.8	662.6	666.9	668.4	673.5	678.2	684.0	689.8
17.5°	626.9	625.0	619.8	624.4	619.8	625.0	626.9	629.6	635.6	643.9	652.6
20°	600.7	597.6	594.9	594.5	594.9	597.6	600.7	603.5	610.1	617.1	623.7
22.5°	575.8	573.0	572.8	570.2	572.8	573.0	575.8	580.1	586.7	590.6	596.9
25°	544.7	542.0	541.2	539.3	541.2	542.0	544.7	547.8	552.1	555.2	562.2
27.5°	520.8	519.5	518.1	518.7	518.1	519.5	520.8	521.2	523.2	527.3	531.3
30°	506.2	505.8	505.0	505.0	505.0	505.8	506.2	505.0	507.0	508.9	512.0
32.5°	494.1	494.0	494.4	494.4	494.4	494.0	494.1	492.3	493.0	493.7	495.2
35°	477.0	478.2	479.0	477.8	479.0	478.2	477.0	475.5	474.3	471.6	472.3
37.5°	461.6	462.8	463.9	465.2	463.9	462.8	461.6	458.4	455.6	453.2	450.4
40°	449.8	452.5	453.3	455.2	453.3	452.5	449.8	446.3	443.2	440.4	437.3
42.5°	438.6	441.6	443.6	444.0	443.6	441.6	438.6	435.1	430.4	427.1	422.7
45°	421.4	424.5	427.2	427.2	427.2	424.5	421.4	415.5	410.5	405.4	401.1
47.5°	403.6	408.1	410.8	411.5	410.8	408.1	403.6	397.6	390.5	384.3	378.1
50°	391.4	396.9	399.6	401.5	399.6	396.9	391.4	384.8	377.4	369.6	362.2
52.5°	379.6	385.0	388.7	389.7	388.7	385.0	379.6	371.4	362.5	354.1	347.6
55°	359.1	366.9	371.2	372.7	371.2	366.9	359.1	350.2	341.6	331.1	321.8
57.5°	339.8	347.0	352.0	353.1	352.0	347.0	339.8	329.3	318.3	307.1	297.1
60°	324.9	332.7	338.9	340.1	338.9	332.7	324.9	314.4	302.7	291.8	279.4
62.5°	309.6	317.7	323.3	326.4	323.3	317.7	309.6	298.5	285.9	273.8	261.3
65°	283.3	291.4	296.9	298.0	296.9	291.4	283.3	272.4	259.1	246.3	235.8
67.5°	254.5	262.6	266.2	268.5	266.2	262.6	254.5	244.2	231.1	217.8	205.9
70°	234.2	240.8	244.7	246.7	244.7	240.8	234.2	223.3	212.4	198.8	186.0
72.5°	211.2	218.1	222.6	223.0	222.6	218.1	211.2	201.9	190.3	177.7	166.4
75°	175.9	182.1	184.4	184.4	184.4	182.1	175.9	166.9	157.6	147.5	136.2
77.5°	139.2	142.4	145.4	146.0	145.4	142.4	139.2	132.8	125.1	114.9	106.5
80°	115.6	117.5	119.8	119.8	119.8	117.5	115.6	109.7	102.3	93.8	87.2
82.5°	91.3	92.9	95.2	94.9	95.2	92.9	91.3	86.7	80.5	74.8	68.8
85°	55.2	58.8	58.4	57.6	58.4	58.8	55.2	56.0	50.2	46.3	40.9
87.5°	27.5	27.9	28.8	29.5	28.8	27.9	27.5	26.5	23.6	22.0	20.6
90°	13.0	13.2	13.4	13.6	13.4	13.2	13.0	12.8	12.4	11.8	11.2
92.5°	19.8	19.9	20.0	20.1	20.0	19.9	19.8	19.6	19.4	19.0	18.7
95°	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.6	35.3	35.0
97.5°	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	55.9	55.6	55.2
100°	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.1	69.9	69.7
102.5°	85.9	86.0	86.1	86.2	86.1	86.0	85.9	85.9	85.7	85.4	85.1
105°	109.7	110.0	110.3	110.6	110.3	110.0	109.7	109.4	109.1	108.8	108.5
107.5°	134.4	134.4	134.3	134.3	134.3	134.4	134.4	134.4	134.3	134.0	133.7
110°	150.4	150.7	151.0	151.3	151.0	150.7	150.4	150.1	150.1	150.3	150.5



TEST NUMBER: P332746

CATALOG NUMBER: S124DIW-S575D470U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	168.6	168.6	168.7	168.7	168.7	168.6	168.6	168.5	168.5	168.5	168.6
115°	196.1	196.0	195.9	195.8	195.9	196.0	196.1	196.2	196.3	196.4	196.5
117.5°	222.1	221.9	221.7	221.5	221.7	221.9	222.1	222.3	222.6	222.9	223.3
120°	240.5	240.7	240.9	241.1	240.9	240.7	240.5	240.3	240.4	240.9	241.4
122.5°	258.5	258.1	257.7	257.4	257.7	258.1	258.5	258.8	259.2	259.5	259.9
125°	286.1	285.9	285.7	285.5	285.7	285.9	286.1	286.3	286.5	286.7	286.9
127.5°	312.0	311.8	311.7	311.5	311.7	311.8	312.0	312.1	312.3	312.5	312.7
130°	329.7	329.3	328.9	328.5	328.9	329.3	329.7	330.1	330.4	330.6	330.8
132.5°	347.1	347.0	346.8	346.7	346.8	347.0	347.1	347.3	347.5	347.7	347.9
135°	372.5	372.2	371.9	371.6	371.9	372.2	372.5	372.8	373.0	373.2	373.4
137.5°	397.6	397.6	397.7	397.8	397.7	397.6	397.6	397.5	397.6	397.9	398.1
140°	414.0	413.9	413.8	413.7	413.8	413.9	414.0	414.1	414.2	414.3	414.4
142.5°	429.7	429.7	429.7	429.7	429.7	429.7	429.7	429.7	429.8	429.8	429.8
145°	452.2	451.9	451.6	451.3	451.6	451.9	452.2	452.5	452.7	452.8	452.9
147.5°	473.6	473.5	473.4	473.3	473.4	473.5	473.6	473.7	473.8	473.8	473.9
150°	487.0	486.9	486.8	486.7	486.8	486.9	487.0	487.1	487.1	487.1	487.1
152.5°	499.8	499.5	499.3	499.0	499.3	499.5	499.8	500.0	500.1	499.8	499.6
155°	517.3	516.9	516.5	516.1	516.5	516.9	517.3	517.7	517.7	517.3	516.9
157.5°	532.5	532.1	531.8	531.4	531.8	532.1	532.5	532.8	532.8	532.5	532.2
160°	541.7	541.2	540.6	540.1	540.6	541.2	541.7	542.2	542.3	542.0	541.7
162.5°	550.7	550.2	549.7	549.2	549.7	550.2	550.7	551.2	551.2	550.7	550.1
165°	562.2	561.8	561.4	561.0	561.4	561.8	562.2	562.6	562.5	561.9	561.3
167.5°	571.3	570.7	570.0	569.4	570.0	570.7	571.3	571.9	571.9	571.3	570.7
170°	576.2	575.5	574.8	574.1	574.8	575.5	576.2	576.9	577.0	576.4	575.8
172.5°	580.2	579.5	578.8	578.1	578.8	579.5	580.2	580.9	580.9	580.3	579.6
175°	584.4	583.7	583.0	582.3	583.0	583.7	584.4	585.1	585.1	584.4	583.7
177.5°	586.4	585.8	585.1	584.5	585.1	585.8	586.4	587.0	587.1	586.5	586.0
180°	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9



TEST NUMBER: P332746

CATALOG NUMBER: S124DIW-S575D470U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	897.8	899.1	904.1	908.7	914.3	918.4	921.2	924.3	930.8	936.1	941.1
5°	841.2	843.1	853.3	860.3	872.3	882.8	891.0	899.9	910.5	924.8	938.1
7.5°	791.3	798.6	809.6	821.0	833.3	847.0	859.0	872.5	890.6	910.4	930.8
10°	763.0	771.2	782.8	796.1	807.7	823.7	838.5	854.4	875.0	899.2	923.3
12.5°	734.7	748.1	757.0	772.7	785.3	798.5	814.2	835.1	859.2	884.5	913.6
15°	699.2	706.6	723.7	732.3	750.1	770.4	785.9	807.0	830.3	863.8	896.4
17.5°	658.2	668.0	681.6	697.9	718.5	734.3	753.7	775.3	804.7	837.9	878.9
20°	631.5	639.7	656.4	674.3	696.1	712.8	733.4	754.4	784.8	820.2	863.0
22.5°	607.5	615.4	633.0	649.7	670.9	691.3	712.9	737.3	766.4	803.7	847.4
25°	570.4	580.9	596.5	613.6	633.8	657.2	680.5	702.3	733.4	772.7	819.4
27.5°	537.5	545.9	557.2	576.6	599.6	622.1	645.3	672.7	702.6	744.2	792.6
30°	516.3	524.1	535.4	553.3	574.7	598.8	622.9	649.4	680.5	721.7	771.2
32.5°	499.5	505.4	515.5	531.5	551.0	576.4	600.2	627.6	660.3	700.9	749.1
35°	474.7	479.7	483.6	498.8	516.3	539.7	563.8	593.0	624.5	663.0	711.2
37.5°	450.3	452.0	457.7	467.7	484.6	506.1	528.5	557.2	589.5	628.7	672.2
40°	435.4	436.2	439.7	449.0	463.8	484.0	505.8	534.2	564.9	601.9	645.1
42.5°	420.8	420.3	423.5	430.0	443.9	462.2	483.7	509.6	540.4	574.5	615.2
45°	397.6	397.6	396.9	402.3	413.6	431.5	449.4	474.3	500.0	533.4	567.7
47.5°	373.5	371.3	372.0	374.8	384.3	399.0	417.1	437.5	460.1	488.5	518.5
50°	358.0	354.8	353.7	356.8	365.3	378.2	395.3	413.2	434.6	459.5	485.2
52.5°	340.8	337.7	335.6	337.8	345.7	357.6	373.2	388.9	408.1	428.4	450.6
55°	314.4	310.9	309.7	310.5	316.3	325.7	338.9	353.3	367.7	384.4	400.0
57.5°	288.3	282.6	281.5	281.1	285.1	293.7	304.7	317.2	327.7	337.8	354.4
60°	271.2	264.2	261.9	261.5	264.6	271.6	281.7	294.1	301.5	308.5	322.9
62.5°	252.8	246.1	241.0	241.5	244.3	251.0	259.9	268.9	273.8	281.5	291.2
65°	224.5	215.9	212.0	210.9	212.4	217.9	224.9	230.7	236.2	239.3	248.6
67.5°	196.2	189.0	183.3	181.9	181.2	184.9	190.6	194.2	198.0	200.8	206.3
70°	176.3	170.0	163.0	160.7	160.3	163.4	168.9	169.3	174.7	175.9	181.7
72.5°	156.6	148.9	144.0	141.7	140.1	142.9	146.5	147.5	150.4	152.5	155.6
75°	126.1	120.2	115.6	112.1	110.9	112.4	112.4	114.4	116.3	117.5	121.0
77.5°	99.2	92.5	87.0	85.0	83.6	82.6	83.4	84.6	83.7	85.7	86.5
80°	80.5	73.5	69.3	68.5	66.1	64.2	63.8	65.0	63.4	64.2	66.5
82.5°	62.2	57.7	53.1	52.3	49.3	48.3	47.9	47.2	47.2	47.1	47.5
85°	37.0	34.2	31.1	29.2	28.0	26.1	26.1	25.3	24.5	23.7	24.1
87.5°	17.1	16.3	14.6	13.5	12.7	11.3	11.1	10.0	9.4	8.9	8.4
90°	10.6	10.0	9.2	8.4	7.6	6.7	5.8	4.7	3.6	2.5	1.4
92.5°	18.3	17.9	17.4	16.8	16.3	15.7	14.8	13.5	12.2	11.0	9.7
95°	34.7	34.4	33.7	33.0	32.3	31.6	30.8	29.9	29.0	28.1	27.2
97.5°	54.8	54.5	53.6	52.8	52.0	51.2	50.4	49.7	48.9	48.2	47.5
100°	69.5	69.3	68.4	67.5	66.6	65.7	65.1	64.6	64.2	63.8	63.4
102.5°	84.8	84.6	83.7	82.9	82.1	81.3	80.8	80.6	80.4	80.3	80.1
105°	108.1	107.8	107.4	107.0	106.6	106.2	106.0	105.9	105.8	105.7	105.6
107.5°	133.4	133.1	133.1	133.0	133.0	132.9	132.8	132.7	132.6	132.4	132.3
110°	150.7	150.9	151.0	151.1	151.2	151.3	151.2	151.0	150.8	150.6	150.4



TEST NUMBER: P332746

CATALOG NUMBER: S124DIW-S575D470U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	168.6	168.7	168.8	169.0	169.2	169.4	169.5	169.4	169.4	169.3	169.3
115°	196.6	196.7	196.9	197.1	197.3	197.5	197.6	197.6	197.6	197.6	197.6
117.5°	223.6	223.9	224.1	224.2	224.4	224.5	224.5	224.5	224.4	224.3	224.2
120°	241.9	242.4	242.7	243.0	243.3	243.6	243.6	243.2	242.8	242.4	242.0
122.5°	260.2	260.6	260.7	260.8	261.0	261.1	261.1	260.9	260.8	260.6	260.5
125°	287.1	287.3	287.4	287.5	287.6	287.7	287.7	287.7	287.7	287.7	287.7
127.5°	312.9	313.1	313.3	313.4	313.6	313.8	313.7	313.4	313.1	312.8	312.5
130°	331.0	331.2	331.2	331.2	331.2	331.2	331.1	330.8	330.5	330.2	329.9
132.5°	348.1	348.3	348.4	348.4	348.5	348.6	348.5	348.3	348.1	347.9	347.6
135°	373.6	373.8	373.8	373.8	373.8	373.8	373.5	372.9	372.3	371.7	371.1
137.5°	398.4	398.7	398.5	398.4	398.2	398.0	397.8	397.5	397.2	397.0	396.7
140°	414.5	414.6	414.6	414.6	414.6	414.6	414.5	414.3	414.1	413.9	413.7
142.5°	429.8	429.8	429.9	430.0	430.1	430.2	430.1	429.9	429.7	429.5	429.3
145°	453.0	453.1	453.0	452.9	452.8	452.7	452.5	452.1	451.7	451.3	450.9
147.5°	474.0	474.1	474.2	474.2	474.3	474.4	474.2	473.7	473.2	472.7	472.3
150°	487.1	487.1	487.1	487.1	487.1	487.1	486.9	486.5	486.1	485.7	485.3
152.5°	499.3	499.1	499.0	498.9	498.8	498.8	498.6	498.4	498.1	497.9	497.6
155°	516.5	516.1	516.2	516.3	516.4	516.5	516.6	516.6	516.6	516.6	516.6
157.5°	531.9	531.6	531.6	531.7	531.7	531.7	531.8	532.0	532.2	532.3	532.5
160°	541.4	541.1	541.2	541.3	541.4	541.5	541.6	541.7	541.8	541.9	542.0
162.5°	549.6	549.0	549.1	549.2	549.3	549.4	549.6	549.9	550.1	550.4	550.7
165°	560.7	560.1	560.3	560.5	560.7	560.9	561.1	561.4	561.7	562.0	562.3
167.5°	570.1	569.5	569.5	569.5	569.4	569.4	569.6	570.1	570.5	570.9	571.3
170°	575.2	574.6	574.5	574.4	574.3	574.2	574.4	574.9	575.4	575.9	576.4
172.5°	578.9	578.2	578.2	578.2	578.1	578.1	578.3	578.8	579.2	579.6	580.0
175°	583.0	582.3	582.4	582.5	582.6	582.7	583.0	583.5	584.0	584.5	585.0
177.5°	585.4	584.8	584.8	584.8	584.8	584.8	585.0	585.4	585.8	586.2	586.6
180°	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9



TEST NUMBER: P332746

CATALOG NUMBER: S124DIW-S575D470U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	945.5	948.6	952.6	959.5	962.0	965.1	969.4	969.1	970.4	975.0	985.0
5°	949.0	961.0	972.7	986.7	1001.5	1011.2	1024.5	1032.6	1040.8	1051.3	1069.2
7.5°	950.4	969.5	990.9	1015.5	1037.4	1062.6	1082.3	1100.8	1117.5	1139.7	1161.0
10°	948.2	973.9	1001.5	1032.6	1065.7	1093.7	1119.0	1147.8	1172.3	1199.1	1223.3
12.5°	944.1	975.1	1012.1	1046.9	1085.6	1127.0	1158.5	1187.6	1220.2	1251.1	1288.3
15°	935.0	977.4	1020.6	1066.5	1118.2	1166.1	1211.6	1249.3	1284.4	1330.7	1379.3
17.5°	923.3	969.0	1023.5	1079.1	1133.2	1187.9	1244.2	1300.9	1345.1	1402.6	1440.7
20°	912.4	965.3	1021.3	1087.5	1141.6	1209.7	1265.7	1320.5	1381.2	1438.4	1484.0
22.5°	897.1	955.0	1014.5	1080.3	1151.5	1219.6	1284.4	1343.9	1404.6	1466.8	1521.9
25°	877.8	930.3	1000.7	1075.4	1146.2	1220.2	1294.5	1369.2	1434.5	1500.3	1551.7
27.5°	844.8	911.1	976.7	1053.8	1132.5	1216.1	1295.6	1373.8	1442.2	1496.3	1528.2
30°	828.0	885.5	956.8	1034.2	1119.4	1209.3	1292.1	1368.8	1432.6	1475.8	1488.6
32.5°	803.1	862.5	932.2	1012.4	1102.6	1194.9	1281.2	1353.5	1406.8	1429.4	1413.9
35°	766.1	819.8	890.2	972.3	1066.1	1164.5	1249.7	1310.8	1338.1	1316.7	1263.3
37.5°	721.7	775.0	845.7	926.3	1023.4	1123.4	1200.5	1244.4	1235.4	1182.2	1102.7
40°	690.6	740.4	807.7	894.9	989.4	1089.8	1157.5	1181.3	1156.4	1080.1	995.7
42.5°	656.1	704.6	772.2	856.3	956.4	1049.0	1108.0	1110.0	1068.3	977.1	892.3
45°	603.5	649.8	713.6	801.1	893.7	980.9	1019.8	1000.7	923.7	835.7	750.5
47.5°	551.6	591.7	654.6	737.7	825.6	899.0	918.3	884.0	801.9	716.5	637.5
50°	513.6	554.1	613.2	692.6	777.4	840.8	850.1	804.6	724.1	638.1	576.2
52.5°	477.2	517.3	574.3	647.7	725.4	782.6	782.9	730.2	650.0	573.4	515.8
55°	423.7	459.9	511.3	577.0	646.3	691.0	680.1	625.6	556.0	489.5	439.3
57.5°	372.2	403.7	451.0	505.9	566.9	603.8	585.7	533.3	471.1	414.7	376.6
60°	338.9	368.8	409.3	461.1	512.4	541.2	524.1	476.6	419.4	373.9	340.8
62.5°	306.5	331.8	370.7	415.6	463.2	484.6	469.3	422.5	373.1	331.9	305.0
65°	260.7	281.3	312.4	351.0	385.6	403.9	391.0	347.4	309.7	280.1	258.7
67.5°	217.9	234.0	257.6	288.5	317.9	327.8	316.1	285.7	253.8	230.1	215.0
70°	188.3	203.5	223.3	247.1	272.7	283.3	271.6	247.5	221.4	199.6	184.8
72.5°	162.5	174.2	191.0	211.3	231.3	241.9	233.9	210.7	188.7	172.5	159.9
75°	123.7	133.8	145.5	159.9	175.5	182.5	175.5	159.5	144.3	132.3	123.3
77.5°	90.0	95.4	104.4	115.2	124.9	130.3	124.2	113.4	104.1	95.9	91.4
80°	68.5	72.4	78.6	87.2	93.8	98.8	94.9	86.0	78.6	73.1	71.2
82.5°	49.8	52.4	56.5	62.9	67.3	69.9	68.2	61.7	58.7	53.8	51.9
85°	24.5	26.1	28.8	30.7	34.6	35.0	35.4	32.7	30.0	28.8	27.2
87.5°	8.9	9.4	10.6	11.7	13.2	13.6	13.5	13.7	12.6	12.4	11.3
90°	2.5	3.6	4.7	5.8	6.7	7.6	8.4	9.2	10.0	10.6	11.2
92.5°	11.0	12.2	13.5	14.8	15.7	16.3	16.8	17.4	17.9	18.3	18.7
95°	28.1	29.0	29.9	30.8	31.6	32.3	33.0	33.7	34.4	34.7	35.0
97.5°	48.2	48.9	49.7	50.4	51.2	52.0	52.8	53.6	54.5	54.8	55.2
100°	63.8	64.2	64.6	65.1	65.7	66.6	67.5	68.4	69.3	69.5	69.7
102.5°	80.3	80.4	80.6	80.8	81.3	82.1	82.9	83.7	84.6	84.8	85.1
105°	105.7	105.8	105.9	106.0	106.2	106.6	107.0	107.4	107.8	108.1	108.5
107.5°	132.4	132.6	132.7	132.8	132.9	133.0	133.0	133.1	133.1	133.4	133.7
110°	150.6	150.8	151.0	151.2	151.3	151.2	151.1	151.0	150.9	150.7	150.5



TEST NUMBER: P332746

CATALOG NUMBER: S124DIW-S575D470U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	169.3	169.4	169.4	169.5	169.4	169.2	169.0	168.8	168.7	168.6	168.6
115°	197.6	197.6	197.6	197.6	197.5	197.3	197.1	196.9	196.7	196.6	196.5
117.5°	224.3	224.4	224.5	224.5	224.5	224.4	224.2	224.1	223.9	223.6	223.3
120°	242.4	242.8	243.2	243.6	243.6	243.3	243.0	242.7	242.4	241.9	241.4
122.5°	260.6	260.8	260.9	261.1	261.1	261.0	260.8	260.7	260.6	260.2	259.9
125°	287.7	287.7	287.7	287.7	287.7	287.6	287.5	287.4	287.3	287.1	286.9
127.5°	312.8	313.1	313.4	313.7	313.8	313.6	313.4	313.3	313.1	312.9	312.7
130°	330.2	330.5	330.8	331.1	331.2	331.2	331.2	331.2	331.2	331.0	330.8
132.5°	347.9	348.1	348.3	348.5	348.6	348.5	348.4	348.4	348.3	348.1	347.9
135°	371.7	372.3	372.9	373.5	373.8	373.8	373.8	373.8	373.8	373.6	373.4
137.5°	397.0	397.2	397.5	397.8	398.0	398.2	398.4	398.5	398.7	398.4	398.1
140°	413.9	414.1	414.3	414.5	414.6	414.6	414.6	414.6	414.6	414.5	414.4
142.5°	429.5	429.7	429.9	430.1	430.2	430.1	430.0	429.9	429.8	429.8	429.8
145°	451.3	451.7	452.1	452.5	452.7	452.8	452.9	453.0	453.1	453.0	452.9
147.5°	472.7	473.2	473.7	474.2	474.4	474.3	474.2	474.2	474.1	474.0	473.9
150°	485.7	486.1	486.5	486.9	487.1	487.1	487.1	487.1	487.1	487.1	487.1
152.5°	497.9	498.1	498.4	498.6	498.8	498.8	498.9	499.0	499.1	499.3	499.6
155°	516.6	516.6	516.6	516.6	516.5	516.4	516.3	516.2	516.1	516.5	516.9
157.5°	532.3	532.2	532.0	531.8	531.7	531.7	531.7	531.6	531.6	531.9	532.2
160°	541.9	541.8	541.7	541.6	541.5	541.4	541.3	541.2	541.1	541.4	541.7
162.5°	550.4	550.1	549.9	549.6	549.4	549.3	549.2	549.1	549.0	549.6	550.1
165°	562.0	561.7	561.4	561.1	560.9	560.7	560.5	560.3	560.1	560.7	561.3
167.5°	570.9	570.5	570.1	569.6	569.4	569.4	569.5	569.5	569.5	570.1	570.7
170°	575.9	575.4	574.9	574.4	574.2	574.3	574.4	574.5	574.6	575.2	575.8
172.5°	579.6	579.2	578.8	578.3	578.1	578.1	578.2	578.2	578.2	578.9	579.6
175°	584.5	584.0	583.5	583.0	582.7	582.6	582.5	582.4	582.3	583.0	583.7
177.5°	586.2	585.8	585.4	585.0	584.8	584.8	584.8	584.8	584.8	585.4	586.0
180°	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	990.0	990.6	993.4	995.6	996.2	999.3	999.6
5°	1077.0	1083.6	1096.4	1097.6	1099.5	1109.7	1101.9
7.5°	1178.9	1195.7	1206.9	1216.8	1220.4	1224.8	1223.9
10°	1244.3	1269.2	1281.6	1301.5	1302.3	1307.3	1304.2
12.5°	1310.0	1338.9	1361.6	1365.3	1381.9	1384.5	1388.9
15°	1403.0	1433.8	1465.3	1476.6	1499.5	1505.0	1513.5
17.5°	1490.5	1521.9	1544.0	1573.2	1582.6	1595.2	1586.7
20°	1538.4	1572.7	1600.7	1623.6	1633.4	1640.4	1639.6
22.5°	1567.4	1601.9	1624.6	1642.0	1651.1	1654.1	1653.9
25°	1585.5	1605.4	1612.4	1619.0	1608.9	1605.4	1606.9
27.5°	1535.1	1529.9	1511.7	1487.7	1462.8	1443.0	1432.3
30°	1465.7	1435.3	1407.7	1359.5	1334.5	1319.8	1306.5
32.5°	1367.3	1319.2	1266.1	1221.9	1193.5	1171.6	1168.3
35°	1198.8	1126.4	1061.4	1007.3	979.3	955.6	950.1
37.5°	1019.2	944.0	885.5	837.8	807.7	791.0	775.4
40°	899.9	835.4	777.8	737.3	714.4	702.3	692.6
42.5°	808.1	749.1	691.9	661.0	640.3	632.9	627.2
45°	681.3	626.4	586.7	563.4	551.3	538.9	533.0
47.5°	579.7	535.1	508.9	489.1	476.2	468.8	465.0
50°	522.1	485.6	462.2	447.1	435.4	429.5	426.4
52.5°	471.1	441.1	421.5	409.4	401.5	397.2	395.9
55°	405.8	382.9	370.4	359.9	354.1	350.2	348.6
57.5°	352.7	335.1	325.0	316.3	314.1	310.8	309.7
60°	317.9	304.3	295.7	289.9	287.9	284.0	284.8
62.5°	287.1	275.9	268.6	265.3	262.7	259.4	260.5
65°	242.8	234.6	230.7	227.6	224.5	222.6	224.1
67.5°	203.7	198.1	192.8	191.0	189.5	189.2	187.5
70°	178.2	173.5	168.9	167.7	167.7	166.1	165.7
72.5°	153.6	150.2	147.1	146.2	145.0	145.6	144.0
75°	118.7	115.9	114.8	113.6	113.2	113.2	112.1
77.5°	87.7	85.7	83.8	83.8	82.4	81.9	81.7
80°	66.5	65.8	64.2	64.2	63.4	63.8	63.0
82.5°	50.0	48.9	48.6	48.0	46.9	47.0	46.2
85°	26.8	25.7	25.3	24.1	23.3	24.1	23.3
87.5°	11.7	11.5	11.3	10.7	10.4	10.5	9.6
90°	11.8	12.4	12.8	13.0	13.2	13.4	13.6
92.5°	19.0	19.4	19.6	19.8	19.9	20.0	20.1
95°	35.3	35.6	35.8	35.8	35.8	35.8	35.8
97.5°	55.6	55.9	56.1	56.1	56.1	56.1	56.1
100°	69.9	70.1	70.2	70.2	70.2	70.2	70.2
102.5°	85.4	85.7	85.9	85.9	86.0	86.1	86.2
105°	108.8	109.1	109.4	109.7	110.0	110.3	110.6
107.5°	134.0	134.3	134.4	134.4	134.4	134.3	134.3
110°	150.3	150.1	150.1	150.4	150.7	151.0	151.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	168.5	168.5	168.5	168.6	168.6	168.7	168.7
115°	196.4	196.3	196.2	196.1	196.0	195.9	195.8
117.5°	222.9	222.6	222.3	222.1	221.9	221.7	221.5
120°	240.9	240.4	240.3	240.5	240.7	240.9	241.1
122.5°	259.5	259.2	258.8	258.5	258.1	257.7	257.4
125°	286.7	286.5	286.3	286.1	285.9	285.7	285.5
127.5°	312.5	312.3	312.1	312.0	311.8	311.7	311.5
130°	330.6	330.4	330.1	329.7	329.3	328.9	328.5
132.5°	347.7	347.5	347.3	347.1	347.0	346.8	346.7
135°	373.2	373.0	372.8	372.5	372.2	371.9	371.6
137.5°	397.9	397.6	397.5	397.6	397.6	397.7	397.8
140°	414.3	414.2	414.1	414.0	413.9	413.8	413.7
142.5°	429.8	429.8	429.7	429.7	429.7	429.7	429.7
145°	452.8	452.7	452.5	452.2	451.9	451.6	451.3
147.5°	473.8	473.8	473.7	473.6	473.5	473.4	473.3
150°	487.1	487.1	487.1	487.0	486.9	486.8	486.7
152.5°	499.8	500.1	500.0	499.8	499.5	499.3	499.0
155°	517.3	517.7	517.7	517.3	516.9	516.5	516.1
157.5°	532.5	532.8	532.8	532.5	532.1	531.8	531.4
160°	542.0	542.3	542.2	541.7	541.2	540.6	540.1
162.5°	550.7	551.2	551.2	550.7	550.2	549.7	549.2
165°	561.9	562.5	562.6	562.2	561.8	561.4	561.0
167.5°	571.3	571.9	571.9	571.3	570.7	570.0	569.4
170°	576.4	577.0	576.9	576.2	575.5	574.8	574.1
172.5°	580.3	580.9	580.9	580.2	579.5	578.8	578.1
175°	584.4	585.1	585.1	584.4	583.7	583.0	582.3
177.5°	586.5	587.1	587.0	586.4	585.8	585.1	584.5
180°	585.9	585.9	585.9	585.9	585.9	585.9	585.9

(END OF REPORT)