

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: P332564

Luminaire Tested: **S124DIP-S575D1035U835-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332564
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124DIP-S575D1035U835-4F0-1E-UDD-A4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1035 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6289.8 lumens
Efficiency: N/A
Efficacy: 141.3 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: General Diffuse

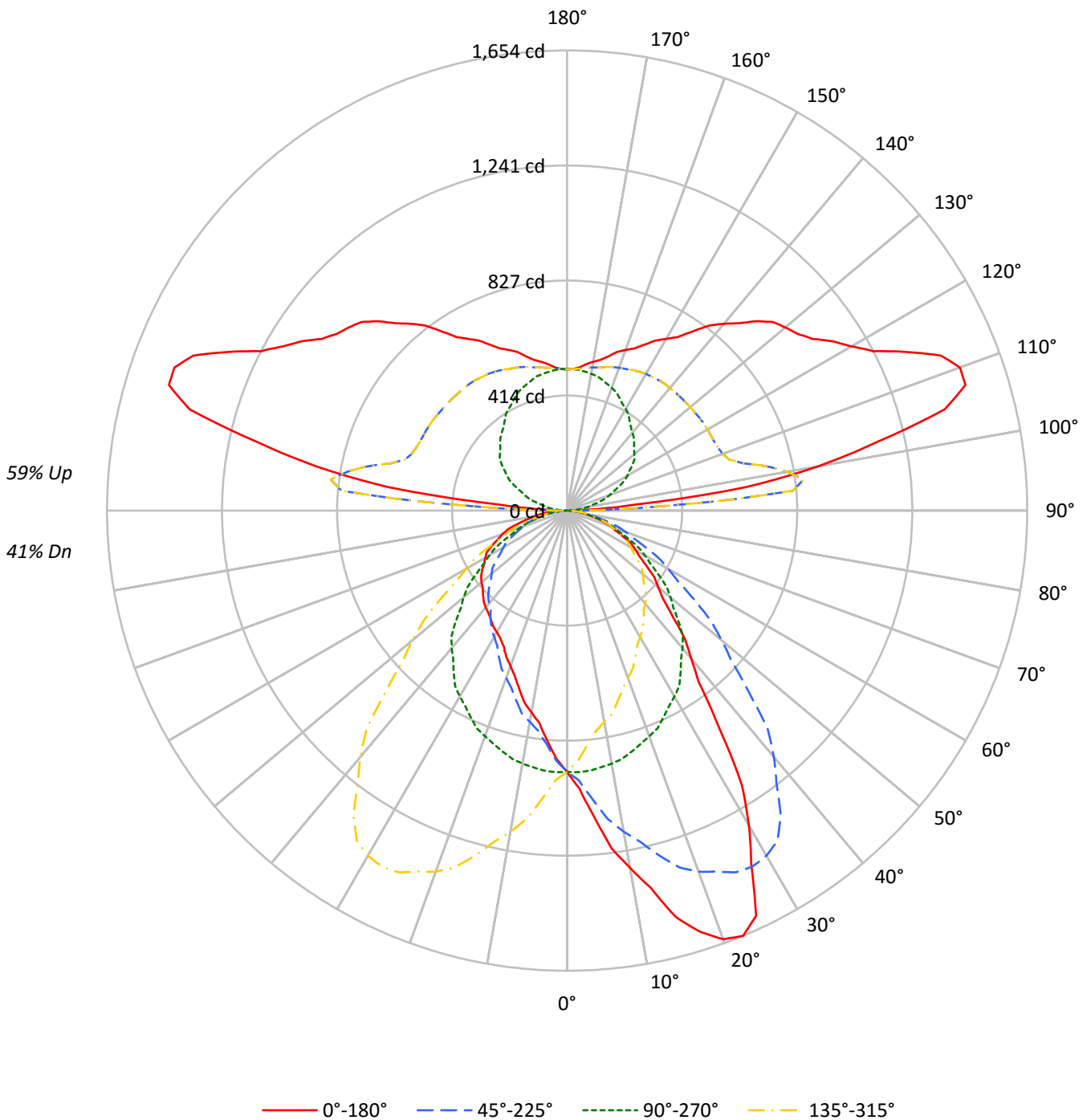
Input Watts (W): 44.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	105	105	105	105	96	96	96	96	78	78	78	63	63	63	48	48	48	41
1	96	92	88	85	87	84	81	78	69	67	65	55	54	52	43	42	41	35
2	88	80	74	69	80	73	68	64	61	57	54	49	46	44	38	36	35	30
3	80	71	64	58	73	65	59	54	54	49	45	43	40	37	34	32	30	25
4	73	63	55	49	67	58	51	46	48	43	39	39	35	32	30	28	26	22
5	67	56	48	42	61	51	44	39	43	38	34	35	31	28	27	25	23	19
6	62	50	42	37	56	46	39	34	39	33	29	31	28	25	25	22	20	17
7	57	45	37	32	52	42	35	30	35	30	26	29	25	22	23	20	18	15
8	53	41	33	28	48	38	31	26	32	27	23	26	22	19	21	18	16	13
9	49	37	30	25	45	35	28	24	29	24	20	24	20	17	19	16	14	12
10	46	34	27	23	42	32	25	21	27	22	18	22	18	16	18	15	13	11

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	1.5
10°-20°	282.0	4.5
20°-30°	447.2	7.1
30°-40°	497.7	7.9
40°-50°	453.1	7.2
50°-60°	370.2	5.9
60°-70°	264.3	4.2
70°-80°	145.5	2.3
80°-90°	42.5	0.7
90°-100°	367.0	5.8
100°-110°	763.9	12.1
110°-120°	684.2	10.9
120°-130°	575.5	9.2
130°-140°	479.9	7.6
140°-150°	366.6	5.8
150°-160°	257.7	4.1
160°-170°	151.6	2.4
170°-180°	49.3	0.8
0°-30°	820.8	13.0
0°-40°	1318.5	21.0
0°-60°	2141.8	34.1
0°-90°	2594.2	41.2
90°-120°	1815.1	28.9
90°-150°	3237.1	51.5
90°-180°	3696.0	58.8
0°-180°	6289.8	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°	21	1	21	1	21	18
95°	244	33	244	33	244	378
105°	1405	117	1405	117	1405	1389
115°	1349	206	1349	206	1349	1339
125°	1076	286	1076	286	1076	978
135°	962	340	962	340	962	743
145°	786	392	786	392	786	498
155°	658	446	658	446	658	307
165°	574	486	574	486	574	165
175°	517	507	517	507	517	50
180°	508	508	508	508	508	



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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°	11.0	12.0	12.2	12.3	12.7	13.0	13.1	12.6	13.7	14.2	15.0
90°	21.0	21.0	22.0	21.0	20.0	20.0	19.0	18.0	17.0	18.0	16.0
92.5°	76.9	76.9	80.3	85.7	97.4	117.4	147.6	196.1	263.8	316.7	277.1
95°	243.6	256.6	274.5	305.5	354.4	451.2	585.0	739.7	836.6	813.6	614.0
97.5°	651.1	671.9	701.8	761.9	833.6	937.8	1035.4	1093.0	1051.0	856.9	574.6
100°	915.5	923.4	953.4	1014.3	1101.1	1175.0	1223.9	1204.0	1058.2	802.6	521.1
102.5°	1145.5	1151.9	1183.4	1227.5	1280.8	1311.6	1297.4	1198.4	998.3	734.8	485.2
105°	1404.6	1410.6	1424.6	1432.6	1430.6	1389.6	1290.8	1118.1	889.5	654.9	454.2
107.5°	1500.9	1498.3	1488.3	1465.5	1416.2	1327.2	1188.0	1004.1	801.6	610.2	448.6
110°	1502.5	1493.5	1475.5	1433.6	1362.7	1252.9	1108.1	935.4	757.7	595.0	450.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1455.3	1440.8	1415.6	1364.9	1284.4	1174.6	1037.8	885.1	733.0	587.8	455.0
115°	1348.7	1340.7	1308.8	1248.9	1170.0	1074.2	957.4	834.6	709.8	584.0	464.2
117.5°	1240.7	1234.5	1202.2	1151.9	1084.6	1003.3	911.5	809.8	699.4	583.0	474.0
120°	1180.0	1169.0	1143.1	1099.1	1042.2	971.4	891.5	798.6	693.8	583.0	481.2
122.5°	1132.1	1121.1	1099.1	1061.6	1013.5	951.4	878.7	789.1	687.4	582.2	488.4
125°	1076.2	1070.2	1051.2	1022.3	982.3	927.4	858.5	772.7	676.9	581.0	499.2
127.5°	1043.4	1037.4	1021.5	995.7	955.6	903.5	834.8	752.7	662.7	578.8	507.7
130°	1024.3	1018.3	1002.3	977.3	936.4	883.5	815.6	736.8	653.9	578.0	514.1
132.5°	1002.7	996.7	981.5	953.4	913.3	860.3	794.1	720.0	645.9	577.2	519.7
135°	962.4	956.4	940.4	912.5	872.5	822.6	761.7	696.8	633.9	576.0	528.1
137.5°	912.5	905.3	892.1	864.5	827.2	782.1	730.8	675.9	623.5	575.8	533.1
140°	876.5	868.5	854.6	832.6	797.6	755.7	710.8	663.9	618.0	575.0	537.1
142.5°	838.2	832.6	820.2	799.8	768.9	732.6	694.0	652.7	613.2	575.0	540.3
145°	785.7	780.7	770.7	753.7	728.8	700.8	670.9	636.9	605.0	573.0	542.1
147.5°	739.1	737.4	729.8	715.2	696.8	674.9	650.9	623.9	597.6	569.4	543.1
150°	712.8	711.8	705.8	692.8	676.9	658.9	638.9	616.0	592.0	567.0	543.1
152.5°	688.8	687.8	684.2	673.7	660.1	645.3	626.9	607.2	585.6	563.0	541.5
155°	657.9	657.9	654.9	646.9	636.9	624.9	610.0	594.0	576.0	557.1	539.1
157.5°	630.7	630.7	628.9	622.9	615.4	605.8	593.2	579.8	566.2	550.9	536.5
160°	614.0	614.0	613.0	607.0	601.0	593.0	582.0	571.0	559.1	546.1	534.1
162.5°	598.0	598.8	597.8	591.8	587.4	580.2	571.6	562.2	552.7	541.3	531.7
165°	574.0	575.0	576.0	572.0	568.0	563.0	556.1	550.1	542.1	534.1	527.1
167.5°	555.1	555.9	556.1	553.5	551.5	548.5	542.9	538.3	532.5	526.9	522.3
170°	543.1	543.1	544.1	543.1	541.1	538.1	534.1	531.1	526.1	522.1	519.1
172.5°	531.1	532.7	533.7	532.7	531.5	529.3	526.9	524.7	520.5	517.3	515.9
175°	517.1	519.1	521.1	519.1	519.1	519.1	517.1	516.1	514.1	512.1	512.1
177.5°	508.9	510.5	512.1	511.3	512.1	511.3	511.3	510.5	509.7	508.9	508.9
180°	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1



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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°	14.6	14.9	13.4	12.2	11.0	9.9	9.0	8.3	9.0	9.9	10.4
90°	14.0	14.0	8.0	8.0	7.0	6.0	3.0	1.0	3.0	6.0	7.0
92.5°	201.7	124.2	73.5	52.7	38.1	26.0	16.6	11.4	16.6	26.0	38.1
95°	375.4	211.6	124.8	82.9	58.9	45.9	35.9	32.9	35.9	45.9	58.9
97.5°	337.4	202.3	135.4	100.2	79.7	67.7	59.1	59.1	59.1	67.7	79.7
100°	317.5	204.7	145.8	113.8	94.8	82.9	75.9	75.9	75.9	82.9	94.8
102.5°	311.9	212.6	159.3	129.0	110.8	99.6	93.4	91.8	93.4	99.6	110.8
105°	314.5	231.6	183.7	154.7	136.8	124.8	119.8	116.8	119.8	124.8	136.8
107.5°	329.2	253.8	209.8	181.3	164.1	151.3	146.4	144.4	146.4	151.3	164.1
110°	340.4	270.5	226.6	199.7	181.7	169.7	164.7	162.7	164.7	169.7	181.7



TEST NUMBER: P332564

CATALOG NUMBER: S124DIP-S575D1035U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	352.4	286.5	244.2	217.2	199.3	188.1	182.3	180.3	182.3	188.1	199.3
115°	371.4	311.5	271.5	244.6	225.6	215.6	208.6	205.7	208.6	215.6	225.6
117.5°	390.7	335.6	297.7	269.7	252.0	241.0	234.8	232.0	234.8	241.0	252.0
120°	404.3	352.4	314.5	286.5	269.5	258.6	251.6	249.6	251.6	258.6	269.5
122.5°	417.1	368.4	330.4	303.3	284.7	274.5	267.5	265.6	267.5	274.5	284.7
125°	436.3	390.3	354.4	326.4	307.5	296.5	290.5	286.5	290.5	296.5	307.5
127.5°	452.8	410.7	376.0	347.8	328.0	315.5	308.3	305.1	308.3	315.5	328.0
130°	463.2	424.3	390.3	361.4	342.4	327.4	319.5	315.5	319.5	327.4	342.4
132.5°	473.6	435.5	401.5	374.2	353.6	339.4	329.0	325.8	329.0	339.4	353.6
135°	487.2	451.2	418.3	392.3	371.4	354.4	344.4	340.4	344.4	354.4	371.4
137.5°	496.8	463.2	432.5	407.7	385.9	369.8	358.8	355.0	358.8	369.8	385.9
140°	503.1	471.2	441.3	417.3	396.3	379.4	368.4	365.4	368.4	379.4	396.3
142.5°	507.9	478.4	449.2	426.1	405.9	389.7	379.6	376.6	379.6	389.7	405.9
145°	513.1	486.2	460.2	438.3	419.3	405.3	395.3	392.3	395.3	405.3	419.3
147.5°	517.7	494.2	469.8	450.0	434.3	419.9	411.1	410.1	411.1	419.9	434.3
150°	520.1	498.2	476.2	457.2	442.3	430.3	422.3	421.3	422.3	430.3	442.3
152.5°	521.7	501.4	481.8	464.4	451.0	439.9	431.9	431.7	431.9	439.9	451.0
155°	523.1	506.1	489.2	474.2	463.2	453.2	447.2	446.2	447.2	453.2	463.2
157.5°	523.1	509.5	495.2	483.4	473.8	466.0	460.4	460.4	460.4	466.0	473.8
160°	523.1	511.1	499.2	488.2	480.2	473.2	469.2	469.2	469.2	473.2	480.2
162.5°	523.1	512.7	501.6	493.0	485.8	479.6	476.4	477.2	476.4	479.6	485.8
165°	521.1	513.1	504.1	498.2	493.2	488.2	486.2	486.2	486.2	488.2	493.2
167.5°	518.7	512.9	506.3	501.8	499.0	495.2	494.2	495.2	494.2	495.2	499.0
170°	517.1	512.1	507.1	504.1	502.2	499.2	498.2	499.2	498.2	499.2	502.2
172.5°	515.5	511.3	507.9	505.7	504.5	502.3	502.2	503.1	502.2	502.3	504.5
175°	513.1	510.1	508.1	508.1	507.1	506.1	506.1	507.1	506.1	506.1	507.1
177.5°	510.5	508.9	508.1	508.1	508.1	507.3	508.1	508.9	508.1	507.3	508.1
180°	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1



TEST NUMBER: P332564

CATALOG NUMBER: S124DIP-S575D1035U835-4F0-1E-UDD-A4

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°	11.6	11.6	14.0	14.6	16.0	17.9	18.3	22.0	23.4	25.2	28.0
90°	8.0	8.0	14.0	14.0	16.0	18.0	17.0	18.0	19.0	20.0	20.0
92.5°	52.7	73.5	124.2	201.7	277.1	316.7	263.8	196.1	147.6	117.4	97.4
95°	82.9	124.8	211.6	375.4	614.0	813.6	836.6	739.7	585.0	451.2	354.4
97.5°	100.2	135.4	202.3	337.4	574.6	856.9	1051.0	1093.0	1035.4	937.8	833.6
100°	113.8	145.8	204.7	317.5	521.1	802.6	1058.2	1204.0	1223.9	1175.0	1101.1
102.5°	129.0	159.3	212.6	311.9	485.2	734.8	998.3	1198.4	1297.4	1311.6	1280.8
105°	154.7	183.7	231.6	314.5	454.2	654.9	889.5	1118.1	1290.8	1389.6	1430.6
107.5°	181.3	209.8	253.8	329.2	448.6	610.2	801.6	1004.1	1188.0	1327.2	1416.2
110°	199.7	226.6	270.5	340.4	450.2	595.0	757.7	935.4	1108.1	1252.9	1362.7



TEST NUMBER: P332564

CATALOG NUMBER: S124DIP-S575D1035U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	217.2	244.2	286.5	352.4	455.0	587.8	733.0	885.1	1037.8	1174.6	1284.4
115°	244.6	271.5	311.5	371.4	464.2	584.0	709.8	834.6	957.4	1074.2	1170.0
117.5°	269.7	297.7	335.6	390.7	474.0	583.0	699.4	809.8	911.5	1003.3	1084.6
120°	286.5	314.5	352.4	404.3	481.2	583.0	693.8	798.6	891.5	971.4	1042.2
122.5°	303.3	330.4	368.4	417.1	488.4	582.2	687.4	789.1	878.7	951.4	1013.5
125°	326.4	354.4	390.3	436.3	499.2	581.0	676.9	772.7	858.5	927.4	982.3
127.5°	347.8	376.0	410.7	452.8	507.7	578.8	662.7	752.7	834.8	903.5	955.6
130°	361.4	390.3	424.3	463.2	514.1	578.0	653.9	736.8	815.6	883.5	936.4
132.5°	374.2	401.5	435.5	473.6	519.7	577.2	645.9	720.0	794.1	860.3	913.3
135°	392.3	418.3	451.2	487.2	528.1	576.0	633.9	696.8	761.7	822.6	872.5
137.5°	407.7	432.5	463.2	496.8	533.1	575.8	623.5	675.9	730.8	782.1	827.2
140°	417.3	441.3	471.2	503.1	537.1	575.0	618.0	663.9	710.8	755.7	797.6
142.5°	426.1	449.2	478.4	507.9	540.3	575.0	613.2	652.7	694.0	732.6	768.9
145°	438.3	460.2	486.2	513.1	542.1	573.0	605.0	636.9	670.9	700.8	728.8
147.5°	450.0	469.8	494.2	517.7	543.1	569.4	597.6	623.9	650.9	674.9	696.8
150°	457.2	476.2	498.2	520.1	543.1	567.0	592.0	616.0	638.9	658.9	676.9
152.5°	464.4	481.8	501.4	521.7	541.5	563.0	585.6	607.2	626.9	645.3	660.1
155°	474.2	489.2	506.1	523.1	539.1	557.1	576.0	594.0	610.0	624.9	636.9
157.5°	483.4	495.2	509.5	523.1	536.5	550.9	566.2	579.8	593.2	605.8	615.4
160°	488.2	499.2	511.1	523.1	534.1	546.1	559.1	571.0	582.0	593.0	601.0
162.5°	493.0	501.6	512.7	523.1	531.7	541.3	552.7	562.2	571.6	580.2	587.4
165°	498.2	504.1	513.1	521.1	527.1	534.1	542.1	550.1	556.1	563.0	568.0
167.5°	501.8	506.3	512.9	518.7	522.3	526.9	532.5	538.3	542.9	548.5	551.5
170°	504.1	507.1	512.1	517.1	519.1	522.1	526.1	531.1	534.1	538.1	541.1
172.5°	505.7	507.9	511.3	515.5	515.9	517.3	520.5	524.7	526.9	529.3	531.5
175°	508.1	508.1	510.1	513.1	512.1	512.1	514.1	516.1	517.1	519.1	519.1
177.5°	508.1	508.1	508.9	510.5	508.9	508.9	509.7	510.5	511.3	511.3	512.1
180°	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1



TEST NUMBER: P332564

CATALOG NUMBER: S124DIP-S575D1035U835-4F0-1E-UDD-A4

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°	29.1	29.6	30.3	31.0	30.3	29.6	29.1	28.0	25.2	23.4	22.0
90°	21.0	22.0	21.0	21.0	21.0	22.0	21.0	20.0	20.0	19.0	18.0
92.5°	85.7	80.3	76.9	76.9	76.9	80.3	85.7	97.4	117.4	147.6	196.1
95°	305.5	274.5	256.6	243.6	256.6	274.5	305.5	354.4	451.2	585.0	739.7
97.5°	761.9	701.8	671.9	651.1	671.9	701.8	761.9	833.6	937.8	1035.4	1093.0
100°	1014.3	953.4	923.4	915.5	923.4	953.4	1014.3	1101.1	1175.0	1223.9	1204.0
102.5°	1227.5	1183.4	1151.9	1145.5	1151.9	1183.4	1227.5	1280.8	1311.6	1297.4	1198.4
105°	1432.6	1424.6	1410.6	1404.6	1410.6	1424.6	1432.6	1430.6	1389.6	1290.8	1118.1
107.5°	1465.5	1488.3	1498.3	1500.9	1498.3	1488.3	1465.5	1416.2	1327.2	1188.0	1004.1
110°	1433.6	1475.5	1493.5	1502.5	1493.5	1475.5	1433.6	1362.7	1252.9	1108.1	935.4



TEST NUMBER: P332564

CATALOG NUMBER: S124DIP-S575D1035U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1364.9	1415.6	1440.8	1455.3	1440.8	1415.6	1364.9	1284.4	1174.6	1037.8	885.1
115°	1248.9	1308.8	1340.7	1348.7	1340.7	1308.8	1248.9	1170.0	1074.2	957.4	834.6
117.5°	1151.9	1202.2	1234.5	1240.7	1234.5	1202.2	1151.9	1084.6	1003.3	911.5	809.8
120°	1099.1	1143.1	1169.0	1180.0	1169.0	1143.1	1099.1	1042.2	971.4	891.5	798.6
122.5°	1061.6	1099.1	1121.1	1132.1	1121.1	1099.1	1061.6	1013.5	951.4	878.7	789.1
125°	1022.3	1051.2	1070.2	1076.2	1070.2	1051.2	1022.3	982.3	927.4	858.5	772.7
127.5°	995.7	1021.5	1037.4	1043.4	1037.4	1021.5	995.7	955.6	903.5	834.8	752.7
130°	977.3	1002.3	1018.3	1024.3	1018.3	1002.3	977.3	936.4	883.5	815.6	736.8
132.5°	953.4	981.5	996.7	1002.7	996.7	981.5	953.4	913.3	860.3	794.1	720.0
135°	912.5	940.4	956.4	962.4	956.4	940.4	912.5	872.5	822.6	761.7	696.8
137.5°	864.5	892.1	905.3	912.5	905.3	892.1	864.5	827.2	782.1	730.8	675.9
140°	832.6	854.6	868.5	876.5	868.5	854.6	832.6	797.6	755.7	710.8	663.9
142.5°	799.8	820.2	832.6	838.2	832.6	820.2	799.8	768.9	732.6	694.0	652.7
145°	753.7	770.7	780.7	785.7	780.7	770.7	753.7	728.8	700.8	670.9	636.9
147.5°	715.2	729.8	737.4	739.1	737.4	729.8	715.2	696.8	674.9	650.9	623.9
150°	692.8	705.8	711.8	712.8	711.8	705.8	692.8	676.9	658.9	638.9	616.0
152.5°	673.7	684.2	687.8	688.8	687.8	684.2	673.7	660.1	645.3	626.9	607.2
155°	646.9	654.9	657.9	657.9	657.9	654.9	646.9	636.9	624.9	610.0	594.0
157.5°	622.9	628.9	630.7	630.7	630.7	628.9	622.9	615.4	605.8	593.2	579.8
160°	607.0	613.0	614.0	614.0	614.0	613.0	607.0	601.0	593.0	582.0	571.0
162.5°	591.8	597.8	598.8	598.0	598.8	597.8	591.8	587.4	580.2	571.6	562.2
165°	572.0	576.0	575.0	574.0	575.0	576.0	572.0	568.0	563.0	556.1	550.1
167.5°	553.5	556.1	555.9	555.1	555.9	556.1	553.5	551.5	548.5	542.9	538.3
170°	543.1	544.1	543.1	543.1	543.1	544.1	543.1	541.1	538.1	534.1	531.1
172.5°	532.7	533.7	532.7	531.1	532.7	533.7	532.7	531.5	529.3	526.9	524.7
175°	519.1	521.1	519.1	517.1	519.1	521.1	519.1	519.1	519.1	517.1	516.1
177.5°	511.3	512.1	510.5	508.9	510.5	512.1	511.3	512.1	511.3	511.3	510.5
180°	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1



TEST NUMBER: P332564

CATALOG NUMBER: S124DIP-S575D1035U835-4F0-1E-UDD-A4

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°	18.3	17.9	16.0	14.6	14.0	11.6	11.6	10.4	9.9	9.0	8.3
90°	17.0	18.0	16.0	14.0	14.0	8.0	8.0	7.0	6.0	3.0	1.0
92.5°	263.8	316.7	277.1	201.7	124.2	73.5	52.7	38.1	26.0	16.6	11.4
95°	836.6	813.6	614.0	375.4	211.6	124.8	82.9	58.9	45.9	35.9	32.9
97.5°	1051.0	856.9	574.6	337.4	202.3	135.4	100.2	79.7	67.7	59.1	59.1
100°	1058.2	802.6	521.1	317.5	204.7	145.8	113.8	94.8	82.9	75.9	75.9
102.5°	998.3	734.8	485.2	311.9	212.6	159.3	129.0	110.8	99.6	93.4	91.8
105°	889.5	654.9	454.2	314.5	231.6	183.7	154.7	136.8	124.8	119.8	116.8
107.5°	801.6	610.2	448.6	329.2	253.8	209.8	181.3	164.1	151.3	146.4	144.4
110°	757.7	595.0	450.2	340.4	270.5	226.6	199.7	181.7	169.7	164.7	162.7



TEST NUMBER: P332564

CATALOG NUMBER: S124DIP-S575D1035U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	733.0	587.8	455.0	352.4	286.5	244.2	217.2	199.3	188.1	182.3	180.3
115°	709.8	584.0	464.2	371.4	311.5	271.5	244.6	225.6	215.6	208.6	205.7
117.5°	699.4	583.0	474.0	390.7	335.6	297.7	269.7	252.0	241.0	234.8	232.0
120°	693.8	583.0	481.2	404.3	352.4	314.5	286.5	269.5	258.6	251.6	249.6
122.5°	687.4	582.2	488.4	417.1	368.4	330.4	303.3	284.7	274.5	267.5	265.6
125°	676.9	581.0	499.2	436.3	390.3	354.4	326.4	307.5	296.5	290.5	286.5
127.5°	662.7	578.8	507.7	452.8	410.7	376.0	347.8	328.0	315.5	308.3	305.1
130°	653.9	578.0	514.1	463.2	424.3	390.3	361.4	342.4	327.4	319.5	315.5
132.5°	645.9	577.2	519.7	473.6	435.5	401.5	374.2	353.6	339.4	329.0	325.8
135°	633.9	576.0	528.1	487.2	451.2	418.3	392.3	371.4	354.4	344.4	340.4
137.5°	623.5	575.8	533.1	496.8	463.2	432.5	407.7	385.9	369.8	358.8	355.0
140°	618.0	575.0	537.1	503.1	471.2	441.3	417.3	396.3	379.4	368.4	365.4
142.5°	613.2	575.0	540.3	507.9	478.4	449.2	426.1	405.9	389.7	379.6	376.6
145°	605.0	573.0	542.1	513.1	486.2	460.2	438.3	419.3	405.3	395.3	392.3
147.5°	597.6	569.4	543.1	517.7	494.2	469.8	450.0	434.3	419.9	411.1	410.1
150°	592.0	567.0	543.1	520.1	498.2	476.2	457.2	442.3	430.3	422.3	421.3
152.5°	585.6	563.0	541.5	521.7	501.4	481.8	464.4	451.0	439.9	431.9	431.7
155°	576.0	557.1	539.1	523.1	506.1	489.2	474.2	463.2	453.2	447.2	446.2
157.5°	566.2	550.9	536.5	523.1	509.5	495.2	483.4	473.8	466.0	460.4	460.4
160°	559.1	546.1	534.1	523.1	511.1	499.2	488.2	480.2	473.2	469.2	469.2
162.5°	552.7	541.3	531.7	523.1	512.7	501.6	493.0	485.8	479.6	476.4	477.2
165°	542.1	534.1	527.1	521.1	513.1	504.1	498.2	493.2	488.2	486.2	486.2
167.5°	532.5	526.9	522.3	518.7	512.9	506.3	501.8	499.0	495.2	494.2	495.2
170°	526.1	522.1	519.1	517.1	512.1	507.1	504.1	502.2	499.2	498.2	499.2
172.5°	520.5	517.3	515.9	515.5	511.3	507.9	505.7	504.5	502.3	502.2	503.1
175°	514.1	512.1	512.1	513.1	510.1	508.1	508.1	507.1	506.1	506.1	507.1
177.5°	509.7	508.9	508.9	510.5	508.9	508.1	508.1	508.1	507.3	508.1	508.9
180°	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1



TEST NUMBER: P332564

CATALOG NUMBER: S124DIP-S575D1035U835-4F0-1E-UDD-A4

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°	9.0	9.9	11.0	12.2	13.4	14.9	14.6	15.0	14.2	13.7	12.6
90°	3.0	6.0	7.0	8.0	8.0	14.0	14.0	16.0	18.0	17.0	18.0
92.5°	16.6	26.0	38.1	52.7	73.5	124.2	201.7	277.1	316.7	263.8	196.1
95°	35.9	45.9	58.9	82.9	124.8	211.6	375.4	614.0	813.6	836.6	739.7
97.5°	59.1	67.7	79.7	100.2	135.4	202.3	337.4	574.6	856.9	1051.0	1093.0
100°	75.9	82.9	94.8	113.8	145.8	204.7	317.5	521.1	802.6	1058.2	1204.0
102.5°	93.4	99.6	110.8	129.0	159.3	212.6	311.9	485.2	734.8	998.3	1198.4
105°	119.8	124.8	136.8	154.7	183.7	231.6	314.5	454.2	654.9	889.5	1118.1
107.5°	146.4	151.3	164.1	181.3	209.8	253.8	329.2	448.6	610.2	801.6	1004.1
110°	164.7	169.7	181.7	199.7	226.6	270.5	340.4	450.2	595.0	757.7	935.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	182.3	188.1	199.3	217.2	244.2	286.5	352.4	455.0	587.8	733.0	885.1
115°	208.6	215.6	225.6	244.6	271.5	311.5	371.4	464.2	584.0	709.8	834.6
117.5°	234.8	241.0	252.0	269.7	297.7	335.6	390.7	474.0	583.0	699.4	809.8
120°	251.6	258.6	269.5	286.5	314.5	352.4	404.3	481.2	583.0	693.8	798.6
122.5°	267.5	274.5	284.7	303.3	330.4	368.4	417.1	488.4	582.2	687.4	789.1
125°	290.5	296.5	307.5	326.4	354.4	390.3	436.3	499.2	581.0	676.9	772.7
127.5°	308.3	315.5	328.0	347.8	376.0	410.7	452.8	507.7	578.8	662.7	752.7
130°	319.5	327.4	342.4	361.4	390.3	424.3	463.2	514.1	578.0	653.9	736.8
132.5°	329.0	339.4	353.6	374.2	401.5	435.5	473.6	519.7	577.2	645.9	720.0
135°	344.4	354.4	371.4	392.3	418.3	451.2	487.2	528.1	576.0	633.9	696.8
137.5°	358.8	369.8	385.9	407.7	432.5	463.2	496.8	533.1	575.8	623.5	675.9
140°	368.4	379.4	396.3	417.3	441.3	471.2	503.1	537.1	575.0	618.0	663.9
142.5°	379.6	389.7	405.9	426.1	449.2	478.4	507.9	540.3	575.0	613.2	652.7
145°	395.3	405.3	419.3	438.3	460.2	486.2	513.1	542.1	573.0	605.0	636.9
147.5°	411.1	419.9	434.3	450.0	469.8	494.2	517.7	543.1	569.4	597.6	623.9
150°	422.3	430.3	442.3	457.2	476.2	498.2	520.1	543.1	567.0	592.0	616.0
152.5°	431.9	439.9	451.0	464.4	481.8	501.4	521.7	541.5	563.0	585.6	607.2
155°	447.2	453.2	463.2	474.2	489.2	506.1	523.1	539.1	557.1	576.0	594.0
157.5°	460.4	466.0	473.8	483.4	495.2	509.5	523.1	536.5	550.9	566.2	579.8
160°	469.2	473.2	480.2	488.2	499.2	511.1	523.1	534.1	546.1	559.1	571.0
162.5°	476.4	479.6	485.8	493.0	501.6	512.7	523.1	531.7	541.3	552.7	562.2
165°	486.2	488.2	493.2	498.2	504.1	513.1	521.1	527.1	534.1	542.1	550.1
167.5°	494.2	495.2	499.0	501.8	506.3	512.9	518.7	522.3	526.9	532.5	538.3
170°	498.2	499.2	502.2	504.1	507.1	512.1	517.1	519.1	522.1	526.1	531.1
172.5°	502.2	502.3	504.5	505.7	507.9	511.3	515.5	515.9	517.3	520.5	524.7
175°	506.1	506.1	507.1	508.1	508.1	510.1	513.1	512.1	512.1	514.1	516.1
177.5°	508.1	507.3	508.1	508.1	508.1	508.9	510.5	508.9	508.9	509.7	510.5
180°	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1



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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°	13.1	13.0	12.7	12.3	12.2	12.0	11.0
90°	19.0	20.0	20.0	21.0	22.0	21.0	21.0
92.5°	147.6	117.4	97.4	85.7	80.3	76.9	76.9
95°	585.0	451.2	354.4	305.5	274.5	256.6	243.6
97.5°	1035.4	937.8	833.6	761.9	701.8	671.9	651.1
100°	1223.9	1175.0	1101.1	1014.3	953.4	923.4	915.5
102.5°	1297.4	1311.6	1280.8	1227.5	1183.4	1151.9	1145.5
105°	1290.8	1389.6	1430.6	1432.6	1424.6	1410.6	1404.6
107.5°	1188.0	1327.2	1416.2	1465.5	1488.3	1498.3	1500.9
110°	1108.1	1252.9	1362.7	1433.6	1475.5	1493.5	1502.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1037.8	1174.6	1284.4	1364.9	1415.6	1440.8	1455.3
115°	957.4	1074.2	1170.0	1248.9	1308.8	1340.7	1348.7
117.5°	911.5	1003.3	1084.6	1151.9	1202.2	1234.5	1240.7
120°	891.5	971.4	1042.2	1099.1	1143.1	1169.0	1180.0
122.5°	878.7	951.4	1013.5	1061.6	1099.1	1121.1	1132.1
125°	858.5	927.4	982.3	1022.3	1051.2	1070.2	1076.2
127.5°	834.8	903.5	955.6	995.7	1021.5	1037.4	1043.4
130°	815.6	883.5	936.4	977.3	1002.3	1018.3	1024.3
132.5°	794.1	860.3	913.3	953.4	981.5	996.7	1002.7
135°	761.7	822.6	872.5	912.5	940.4	956.4	962.4
137.5°	730.8	782.1	827.2	864.5	892.1	905.3	912.5
140°	710.8	755.7	797.6	832.6	854.6	868.5	876.5
142.5°	694.0	732.6	768.9	799.8	820.2	832.6	838.2
145°	670.9	700.8	728.8	753.7	770.7	780.7	785.7
147.5°	650.9	674.9	696.8	715.2	729.8	737.4	739.1
150°	638.9	658.9	676.9	692.8	705.8	711.8	712.8
152.5°	626.9	645.3	660.1	673.7	684.2	687.8	688.8
155°	610.0	624.9	636.9	646.9	654.9	657.9	657.9
157.5°	593.2	605.8	615.4	622.9	628.9	630.7	630.7
160°	582.0	593.0	601.0	607.0	613.0	614.0	614.0
162.5°	571.6	580.2	587.4	591.8	597.8	598.8	598.0
165°	556.1	563.0	568.0	572.0	576.0	575.0	574.0
167.5°	542.9	548.5	551.5	553.5	556.1	555.9	555.1
170°	534.1	538.1	541.1	543.1	544.1	543.1	543.1
172.5°	526.9	529.3	531.5	532.7	533.7	532.7	531.1
175°	517.1	519.1	519.1	519.1	521.1	519.1	517.1
177.5°	511.3	511.3	512.1	511.3	512.1	510.5	508.9
180°	508.1	508.1	508.1	508.1	508.1	508.1	508.1

(END OF REPORT)