

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: P332745

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332745
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
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-A
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 470 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4467.5 lumens
Efficiency: N/A
Efficacy: 147.9 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

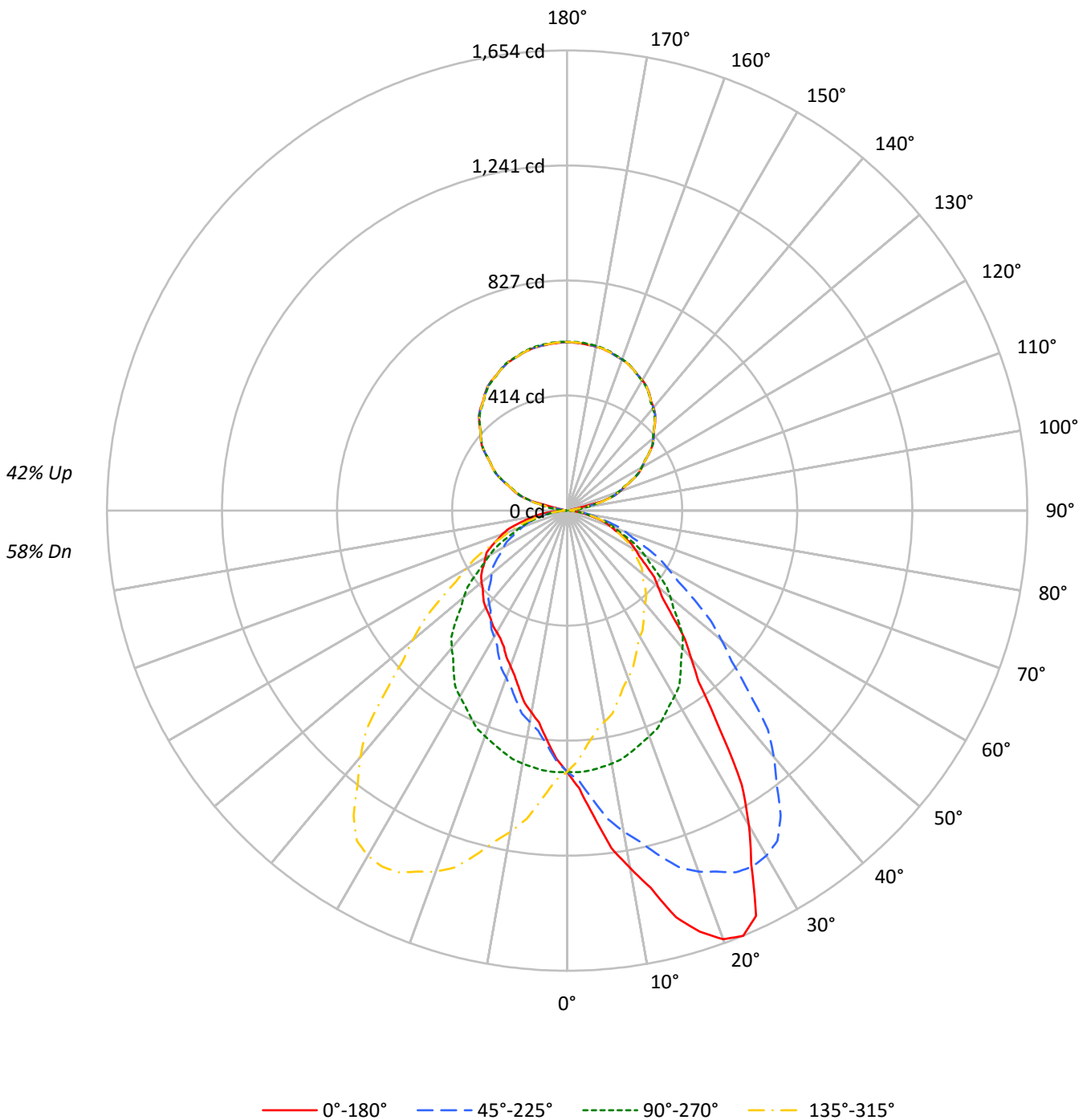
Input Watts (W): 30.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	109	109	109	102	102	102	102	88	88	88	75	75	75	64	64	64	58
1	100	96	92	88	93	89	86	83	77	75	73	67	65	63	57	55	54	49
2	91	84	78	73	85	78	73	68	68	64	61	59	56	53	50	48	46	42
3	83	74	67	61	77	69	63	58	60	55	51	52	48	45	45	42	39	36
4	76	66	58	52	71	62	54	49	54	48	44	47	42	39	40	37	34	31
5	70	59	50	44	65	55	48	42	48	43	38	42	38	34	36	33	30	27
6	65	53	45	39	60	50	42	37	44	38	33	38	33	30	33	29	27	24
7	60	48	40	34	56	45	38	33	40	34	30	35	30	27	30	26	24	21
8	56	43	36	30	52	41	34	29	36	30	26	32	27	24	28	24	21	19
9	52	40	32	27	48	37	31	26	33	28	24	29	25	21	26	22	19	17
10	49	36	29	24	45	34	28	23	31	25	21	27	23	19	24	20	18	16

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	2.0
10°-20°	282.0	6.3
20°-30°	447.2	10.0
30°-40°	497.7	11.1
40°-50°	453.1	10.1
50°-60°	370.2	8.3
60°-70°	264.3	5.9
70°-80°	145.5	3.3
80°-90°	41.5	0.9
90°-100°	20.7	0.5
100°-110°	132.1	3.0
110°-120°	252.8	5.7
120°-130°	320.9	7.2
130°-140°	343.3	7.7
140°-150°	321.0	7.2
150°-160°	258.9	5.8
160°-170°	167.0	3.7
170°-180°	57.6	1.3
0°-30°	820.8	18.4
0°-40°	1318.5	29.5
0°-60°	2141.8	47.9
0°-90°	2593.2	58.0
90°-120°	405.6	9.1
90°-150°	1390.9	31.1
90°-180°	1874.0	41.9
0°-180°	4467.5	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	7
95°	13	25	13	25	13	10
105°	129	136	129	136	129	113
115°	256	255	256	255	256	254
125°	361	358	361	358	361	321
135°	447	444	447	444	447	344
145°	515	512	515	512	515	322
155°	561	562	561	562	561	259
165°	590	592	590	592	590	167
175°	602	606	602	606	602	57
180°	606	606	606	606	606	



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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°	12.5	12.5	12.4	12.4	12.3	12.0	11.4	10.8	10.2	9.6	8.8
95°	13.1	13.0	12.9	12.8	12.7	12.4	11.8	11.2	10.6	10.0	9.9
97.5°	12.7	12.6	12.5	12.4	12.3	12.2	12.1	12.1	12.0	12.0	23.2
100°	12.7	12.6	12.5	12.4	12.3	13.1	14.8	16.5	18.2	19.9	33.8
102.5°	13.1	13.0	13.0	13.0	13.0	22.2	40.7	59.1	77.6	96.1	97.9
105°	129.2	132.8	136.4	140.0	143.7	145.0	144.1	143.2	142.3	141.4	140.9
107.5°	180.0	179.6	179.2	178.9	178.5	178.1	177.6	177.2	176.7	176.3	175.6
110°	202.1	201.8	201.5	201.2	200.9	200.7	200.5	200.3	200.1	199.9	199.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	224.2	223.9	223.5	223.1	222.7	222.5	222.6	222.6	222.7	222.7	222.4
115°	256.5	256.5	256.5	256.5	256.5	256.4	256.2	256.0	255.8	255.6	255.7
117.5°	289.3	289.4	289.4	289.4	289.5	289.5	289.6	289.6	289.6	289.7	289.5
120°	310.0	310.2	310.4	310.6	310.8	310.8	310.6	310.4	310.2	310.0	310.1
122.5°	330.3	330.5	330.7	330.9	331.1	331.1	331.0	330.9	330.8	330.7	330.5
125°	360.7	360.6	360.5	360.4	360.3	360.1	359.8	359.5	359.2	358.9	359.1
127.5°	387.5	387.6	387.6	387.7	387.8	387.9	387.9	388.0	388.1	388.1	387.7
130°	405.6	405.6	405.6	405.6	405.6	405.6	405.5	405.4	405.3	405.2	404.9
132.5°	422.3	422.4	422.5	422.5	422.6	422.6	422.5	422.4	422.3	422.2	421.8
135°	447.3	447.1	446.9	446.7	446.5	446.3	446.1	445.9	445.7	445.5	445.1
137.5°	468.7	468.8	468.8	468.9	468.9	468.9	468.6	468.4	468.2	468.0	467.5
140°	483.6	483.5	483.4	483.3	483.2	483.0	482.7	482.4	482.1	481.8	481.6
142.5°	495.9	495.9	495.9	495.8	495.8	495.7	495.5	495.2	495.0	494.8	494.7
145°	514.8	514.6	514.4	514.2	514.0	513.9	513.8	513.7	513.6	513.5	513.5
147.5°	530.5	530.4	530.3	530.2	530.1	530.0	529.9	529.9	529.8	529.7	529.8
150°	540.7	540.6	540.5	540.4	540.3	540.2	540.2	540.2	540.2	540.2	540.3
152.5°	549.4	549.4	549.5	549.6	549.6	549.6	549.4	549.2	549.1	548.9	549.1
155°	561.1	561.4	561.7	562.0	562.3	562.2	561.8	561.4	561.0	560.6	560.9
157.5°	570.9	571.4	571.9	572.4	572.9	572.9	572.4	571.9	571.4	570.9	571.2
160°	577.4	578.0	578.6	579.2	579.8	579.8	579.2	578.6	578.0	577.4	577.5
162.5°	582.5	583.1	583.8	584.5	585.2	585.2	584.6	584.0	583.4	582.8	582.9
165°	589.6	590.5	591.4	592.3	593.2	593.3	592.5	591.7	590.9	590.1	590.1
167.5°	595.0	596.0	597.0	598.0	599.0	599.1	598.2	597.3	596.4	595.5	595.6
170°	598.2	599.2	600.2	601.2	602.3	602.4	601.5	600.7	599.9	599.1	599.0
172.5°	600.0	601.1	602.2	603.3	604.4	604.5	603.7	602.9	602.1	601.3	601.2
175°	602.3	603.5	604.7	605.9	607.1	607.3	606.4	605.5	604.6	603.7	603.6
177.5°	603.8	604.7	605.7	606.7	607.6	607.8	607.1	606.5	605.8	605.2	605.0
180°	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9



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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	13.7	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°	8.0	7.2	6.4	6.0	5.9	5.8	5.8	5.7	5.8	5.8	5.9
95°	9.8	9.7	9.6	11.2	14.7	18.1	21.5	24.9	21.5	18.1	14.7
97.5°	34.4	45.7	56.9	61.5	59.3	57.2	55.1	52.9	55.1	57.2	59.3
100°	47.7	61.6	75.5	81.6	79.8	78.0	76.1	74.3	76.1	78.0	79.8
102.5°	99.7	101.5	103.3	103.6	102.2	100.9	99.6	98.3	99.6	100.9	102.2
105°	140.4	139.9	139.4	138.8	138.2	137.6	137.0	136.4	137.0	137.6	138.2
107.5°	174.9	174.2	173.6	173.1	172.8	172.5	172.2	171.9	172.2	172.5	172.8
110°	198.7	198.0	197.4	197.0	196.7	196.4	196.1	195.8	196.1	196.4	196.7



TEST NUMBER: P332745

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

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	222.1	221.9	221.6	221.2	220.6	220.1	219.5	219.0	219.5	220.1	220.6
115°	255.8	255.9	256.0	255.9	255.6	255.3	255.0	254.7	255.0	255.3	255.6
117.5°	289.2	289.0	288.8	288.5	288.1	287.7	287.3	286.9	287.3	287.7	288.1
120°	310.2	310.3	310.4	310.2	309.8	309.4	309.0	308.6	309.0	309.4	309.8
122.5°	330.4	330.2	330.1	329.9	329.7	329.4	329.2	328.9	329.2	329.4	329.7
125°	359.3	359.5	359.7	359.6	359.2	358.8	358.4	358.0	358.4	358.8	359.2
127.5°	387.2	386.7	386.3	386.0	385.9	385.8	385.7	385.6	385.7	385.8	385.9
130°	404.6	404.3	404.0	403.8	403.7	403.6	403.4	403.3	403.4	403.6	403.7
132.5°	421.4	421.1	420.7	420.4	420.2	420.0	419.8	419.7	419.8	420.0	420.2
135°	444.7	444.3	443.9	443.7	443.8	443.9	444.0	444.1	444.0	443.9	443.8
137.5°	467.1	466.6	466.2	466.0	465.9	465.9	465.8	465.8	465.8	465.9	465.9
140°	481.4	481.1	480.9	480.7	480.5	480.3	480.1	479.9	480.1	480.3	480.5
142.5°	494.6	494.4	494.3	494.1	493.7	493.4	493.0	492.6	493.0	493.4	493.7
145°	513.5	513.5	513.5	513.3	513.0	512.7	512.4	512.1	512.4	512.7	513.0
147.5°	529.9	530.0	530.1	529.9	529.3	528.7	528.2	527.6	528.2	528.7	529.3
150°	540.4	540.5	540.6	540.5	540.1	539.7	539.3	538.9	539.3	539.7	540.1
152.5°	549.3	549.5	549.6	549.6	549.2	548.9	548.6	548.3	548.6	548.9	549.2
155°	561.2	561.5	561.8	561.9	561.8	561.7	561.6	561.5	561.6	561.7	561.8
157.5°	571.5	571.9	572.2	572.4	572.5	572.5	572.6	572.7	572.6	572.5	572.5
160°	577.6	577.7	577.8	578.0	578.3	578.6	578.9	579.2	578.9	578.6	578.3
162.5°	583.0	583.1	583.2	583.5	583.8	584.2	584.6	585.0	584.6	584.2	583.8
165°	590.1	590.1	590.1	590.3	590.8	591.3	591.8	592.3	591.8	591.3	590.8
167.5°	595.6	595.7	595.7	596.0	596.6	597.1	597.6	598.1	597.6	597.1	596.6
170°	598.9	598.8	598.7	599.0	599.6	600.2	600.8	601.4	600.8	600.2	599.6
172.5°	601.1	601.0	600.9	601.2	601.8	602.4	603.0	603.6	603.0	602.4	601.8
175°	603.5	603.4	603.3	603.5	604.1	604.7	605.3	605.9	605.3	604.7	604.1
177.5°	604.9	604.7	604.6	604.8	605.3	605.9	606.5	607.0	606.5	605.9	605.3
180°	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9



TEST NUMBER: P332745

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

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°	6.0	6.4	7.2	8.0	8.8	9.6	10.2	10.8	11.4	12.0	12.3
95°	11.2	9.6	9.7	9.8	9.9	10.0	10.6	11.2	11.8	12.4	12.7
97.5°	61.5	56.9	45.7	34.4	23.2	12.0	12.0	12.1	12.1	12.2	12.3
100°	81.6	75.5	61.6	47.7	33.8	19.9	18.2	16.5	14.8	13.1	12.3
102.5°	103.6	103.3	101.5	99.7	97.9	96.1	77.6	59.1	40.7	22.2	13.0
105°	138.8	139.4	139.9	140.4	140.9	141.4	142.3	143.2	144.1	145.0	143.7
107.5°	173.1	173.6	174.2	174.9	175.6	176.3	176.7	177.2	177.6	178.1	178.5
110°	197.0	197.4	198.0	198.7	199.3	199.9	200.1	200.3	200.5	200.7	200.9



TEST NUMBER: P332745

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

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	221.2	221.6	221.9	222.1	222.4	222.7	222.7	222.6	222.6	222.5	222.7
115°	255.9	256.0	255.9	255.8	255.7	255.6	255.8	256.0	256.2	256.4	256.5
117.5°	288.5	288.8	289.0	289.2	289.5	289.7	289.6	289.6	289.6	289.5	289.5
120°	310.2	310.4	310.3	310.2	310.1	310.0	310.2	310.4	310.6	310.8	310.8
122.5°	329.9	330.1	330.2	330.4	330.5	330.7	330.8	330.9	331.0	331.1	331.1
125°	359.6	359.7	359.5	359.3	359.1	358.9	359.2	359.5	359.8	360.1	360.3
127.5°	386.0	386.3	386.7	387.2	387.7	388.1	388.1	388.0	387.9	387.9	387.8
130°	403.8	404.0	404.3	404.6	404.9	405.2	405.3	405.4	405.5	405.6	405.6
132.5°	420.4	420.7	421.1	421.4	421.8	422.2	422.3	422.4	422.5	422.6	422.6
135°	443.7	443.9	444.3	444.7	445.1	445.5	445.7	445.9	446.1	446.3	446.5
137.5°	466.0	466.2	466.6	467.1	467.5	468.0	468.2	468.4	468.6	468.9	468.9
140°	480.7	480.9	481.1	481.4	481.6	481.8	482.1	482.4	482.7	483.0	483.2
142.5°	494.1	494.3	494.4	494.6	494.7	494.8	495.0	495.2	495.5	495.7	495.8
145°	513.3	513.5	513.5	513.5	513.5	513.5	513.6	513.7	513.8	513.9	514.0
147.5°	529.9	530.1	530.0	529.9	529.8	529.7	529.8	529.9	529.9	530.0	530.1
150°	540.5	540.6	540.5	540.4	540.3	540.2	540.2	540.2	540.2	540.2	540.3
152.5°	549.6	549.6	549.5	549.3	549.1	548.9	549.1	549.2	549.4	549.6	549.6
155°	561.9	561.8	561.5	561.2	560.9	560.6	561.0	561.4	561.8	562.2	562.3
157.5°	572.4	572.2	571.9	571.5	571.2	570.9	571.4	571.9	572.4	572.9	572.9
160°	578.0	577.8	577.7	577.6	577.5	577.4	578.0	578.6	579.2	579.8	579.8
162.5°	583.5	583.2	583.1	583.0	582.9	582.8	583.4	584.0	584.6	585.2	585.2
165°	590.3	590.1	590.1	590.1	590.1	590.1	590.9	591.7	592.5	593.3	593.2
167.5°	596.0	595.7	595.7	595.6	595.6	595.5	596.4	597.3	598.2	599.1	599.0
170°	599.0	598.7	598.8	598.9	599.0	599.1	599.9	600.7	601.5	602.4	602.3
172.5°	601.2	600.9	601.0	601.1	601.2	601.3	602.1	602.9	603.7	604.5	604.4
175°	603.5	603.3	603.4	603.5	603.6	603.7	604.6	605.5	606.4	607.3	607.1
177.5°	604.8	604.6	604.7	604.9	605.0	605.2	605.8	606.5	607.1	607.8	607.6
180°	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9



TEST NUMBER: P332745

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

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°	12.4	12.4	12.5	12.5	12.5	12.4	12.4	12.3	12.0	11.4	10.8
95°	12.8	12.9	13.0	13.1	13.0	12.9	12.8	12.7	12.4	11.8	11.2
97.5°	12.4	12.5	12.6	12.7	12.6	12.5	12.4	12.3	12.2	12.1	12.1
100°	12.4	12.5	12.6	12.7	12.6	12.5	12.4	12.3	13.1	14.8	16.5
102.5°	13.0	13.0	13.0	13.1	13.0	13.0	13.0	13.0	22.2	40.7	59.1
105°	140.0	136.4	132.8	129.2	132.8	136.4	140.0	143.7	145.0	144.1	143.2
107.5°	178.9	179.2	179.6	180.0	179.6	179.2	178.9	178.5	178.1	177.6	177.2
110°	201.2	201.5	201.8	202.1	201.8	201.5	201.2	200.9	200.7	200.5	200.3



TEST NUMBER: P332745

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

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	223.1	223.5	223.9	224.2	223.9	223.5	223.1	222.7	222.5	222.6	222.6
115°	256.5	256.5	256.5	256.5	256.5	256.5	256.5	256.5	256.4	256.2	256.0
117.5°	289.4	289.4	289.4	289.3	289.4	289.4	289.4	289.5	289.5	289.6	289.6
120°	310.6	310.4	310.2	310.0	310.2	310.4	310.6	310.8	310.8	310.6	310.4
122.5°	330.9	330.7	330.5	330.3	330.5	330.7	330.9	331.1	331.1	331.0	330.9
125°	360.4	360.5	360.6	360.7	360.6	360.5	360.4	360.3	360.1	359.8	359.5
127.5°	387.7	387.6	387.6	387.5	387.6	387.6	387.7	387.8	387.9	387.9	388.0
130°	405.6	405.6	405.6	405.6	405.6	405.6	405.6	405.6	405.6	405.5	405.4
132.5°	422.5	422.5	422.4	422.3	422.4	422.5	422.5	422.6	422.6	422.5	422.4
135°	446.7	446.9	447.1	447.3	447.1	446.9	446.7	446.5	446.3	446.1	445.9
137.5°	468.9	468.8	468.8	468.7	468.8	468.8	468.9	468.9	468.9	468.6	468.4
140°	483.3	483.4	483.5	483.6	483.5	483.4	483.3	483.2	483.0	482.7	482.4
142.5°	495.8	495.9	495.9	495.9	495.9	495.9	495.8	495.8	495.7	495.5	495.2
145°	514.2	514.4	514.6	514.8	514.6	514.4	514.2	514.0	513.9	513.8	513.7
147.5°	530.2	530.3	530.4	530.5	530.4	530.3	530.2	530.1	530.0	529.9	529.9
150°	540.4	540.5	540.6	540.7	540.6	540.5	540.4	540.3	540.2	540.2	540.2
152.5°	549.6	549.5	549.4	549.4	549.4	549.5	549.6	549.6	549.6	549.4	549.2
155°	562.0	561.7	561.4	561.1	561.4	561.7	562.0	562.3	562.2	561.8	561.4
157.5°	572.4	571.9	571.4	570.9	571.4	571.9	572.4	572.9	572.9	572.4	571.9
160°	579.2	578.6	578.0	577.4	578.0	578.6	579.2	579.8	579.8	579.2	578.6
162.5°	584.5	583.8	583.1	582.5	583.1	583.8	584.5	585.2	585.2	584.6	584.0
165°	592.3	591.4	590.5	589.6	590.5	591.4	592.3	593.2	593.3	592.5	591.7
167.5°	598.0	597.0	596.0	595.0	596.0	597.0	598.0	599.0	599.1	598.2	597.3
170°	601.2	600.2	599.2	598.2	599.2	600.2	601.2	602.3	602.4	601.5	600.7
172.5°	603.3	602.2	601.1	600.0	601.1	602.2	603.3	604.4	604.5	603.7	602.9
175°	605.9	604.7	603.5	602.3	603.5	604.7	605.9	607.1	607.3	606.4	605.5
177.5°	606.7	605.7	604.7	603.8	604.7	605.7	606.7	607.6	607.8	607.1	606.5
180°	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9



TEST NUMBER: P332745

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

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°	10.2	9.6	8.8	8.0	7.2	6.4	6.0	5.9	5.8	5.8	5.7
95°	10.6	10.0	9.9	9.8	9.7	9.6	11.2	14.7	18.1	21.5	24.9
97.5°	12.0	12.0	23.2	34.4	45.7	56.9	61.5	59.3	57.2	55.1	52.9
100°	18.2	19.9	33.8	47.7	61.6	75.5	81.6	79.8	78.0	76.1	74.3
102.5°	77.6	96.1	97.9	99.7	101.5	103.3	103.6	102.2	100.9	99.6	98.3
105°	142.3	141.4	140.9	140.4	139.9	139.4	138.8	138.2	137.6	137.0	136.4
107.5°	176.7	176.3	175.6	174.9	174.2	173.6	173.1	172.8	172.5	172.2	171.9
110°	200.1	199.9	199.3	198.7	198.0	197.4	197.0	196.7	196.4	196.1	195.8



TEST NUMBER: P332745

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

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	222.7	222.7	222.4	222.1	221.9	221.6	221.2	220.6	220.1	219.5	219.0
115°	255.8	255.6	255.7	255.8	255.9	256.0	255.9	255.6	255.3	255.0	254.7
117.5°	289.6	289.7	289.5	289.2	289.0	288.8	288.5	288.1	287.7	287.3	286.9
120°	310.2	310.0	310.1	310.2	310.3	310.4	310.2	309.8	309.4	309.0	308.6
122.5°	330.8	330.7	330.5	330.4	330.2	330.1	329.9	329.7	329.4	329.2	328.9
125°	359.2	358.9	359.1	359.3	359.5	359.7	359.6	359.2	358.8	358.4	358.0
127.5°	388.1	388.1	387.7	387.2	386.7	386.3	386.0	385.9	385.8	385.7	385.6
130°	405.3	405.2	404.9	404.6	404.3	404.0	403.8	403.7	403.6	403.4	403.3
132.5°	422.3	422.2	421.8	421.4	421.1	420.7	420.4	420.2	420.0	419.8	419.7
135°	445.7	445.5	445.1	444.7	444.3	443.9	443.7	443.8	443.9	444.0	444.1
137.5°	468.2	468.0	467.5	467.1	466.6	466.2	466.0	465.9	465.9	465.8	465.8
140°	482.1	481.8	481.6	481.4	481.1	480.9	480.7	480.5	480.3	480.1	479.9
142.5°	495.0	494.8	494.7	494.6	494.4	494.3	494.1	493.7	493.4	493.0	492.6
145°	513.6	513.5	513.5	513.5	513.5	513.5	513.3	513.0	512.7	512.4	512.1
147.5°	529.8	529.7	529.8	529.9	530.0	530.1	529.9	529.3	528.7	528.2	527.6
150°	540.2	540.2	540.3	540.4	540.5	540.6	540.5	540.1	539.7	539.3	538.9
152.5°	549.1	548.9	549.1	549.3	549.5	549.6	549.6	549.2	548.9	548.6	548.3
155°	561.0	560.6	560.9	561.2	561.5	561.8	561.9	561.8	561.7	561.6	561.5
157.5°	571.4	570.9	571.2	571.5	571.9	572.2	572.4	572.5	572.5	572.6	572.7
160°	578.0	577.4	577.5	577.6	577.7	577.8	578.0	578.3	578.6	578.9	579.2
162.5°	583.4	582.8	582.9	583.0	583.1	583.2	583.5	583.8	584.2	584.6	585.0
165°	590.9	590.1	590.1	590.1	590.1	590.1	590.3	590.8	591.3	591.8	592.3
167.5°	596.4	595.5	595.6	595.6	595.7	595.7	596.0	596.6	597.1	597.6	598.1
170°	599.9	599.1	599.0	598.9	598.8	598.7	599.0	599.6	600.2	600.8	601.4
172.5°	602.1	601.3	601.2	601.1	601.0	600.9	601.2	601.8	602.4	603.0	603.6
175°	604.6	603.7	603.6	603.5	603.4	603.3	603.5	604.1	604.7	605.3	605.9
177.5°	605.8	605.2	605.0	604.9	604.7	604.6	604.8	605.3	605.9	606.5	607.0
180°	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9



TEST NUMBER: P332745

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

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	13.7	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°	5.8	5.8	5.9	6.0	6.4	7.2	8.0	8.8	9.6	10.2	10.8
95°	21.5	18.1	14.7	11.2	9.6	9.7	9.8	9.9	10.0	10.6	11.2
97.5°	55.1	57.2	59.3	61.5	56.9	45.7	34.4	23.2	12.0	12.0	12.1
100°	76.1	78.0	79.8	81.6	75.5	61.6	47.7	33.8	19.9	18.2	16.5
102.5°	99.6	100.9	102.2	103.6	103.3	101.5	99.7	97.9	96.1	77.6	59.1
105°	137.0	137.6	138.2	138.8	139.4	139.9	140.4	140.9	141.4	142.3	143.2
107.5°	172.2	172.5	172.8	173.1	173.6	174.2	174.9	175.6	176.3	176.7	177.2
110°	196.1	196.4	196.7	197.0	197.4	198.0	198.7	199.3	199.9	200.1	200.3



TEST NUMBER: P332745

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

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	219.5	220.1	220.6	221.2	221.6	221.9	222.1	222.4	222.7	222.7	222.6
115°	255.0	255.3	255.6	255.9	256.0	255.9	255.8	255.7	255.6	255.8	256.0
117.5°	287.3	287.7	288.1	288.5	288.8	289.0	289.2	289.5	289.7	289.6	289.6
120°	309.0	309.4	309.8	310.2	310.4	310.3	310.2	310.1	310.0	310.2	310.4
122.5°	329.2	329.4	329.7	329.9	330.1	330.2	330.4	330.5	330.7	330.8	330.9
125°	358.4	358.8	359.2	359.6	359.7	359.5	359.3	359.1	358.9	359.2	359.5
127.5°	385.7	385.8	385.9	386.0	386.3	386.7	387.2	387.7	388.1	388.1	388.0
130°	403.4	403.6	403.7	403.8	404.0	404.3	404.6	404.9	405.2	405.3	405.4
132.5°	419.8	420.0	420.2	420.4	420.7	421.1	421.4	421.8	422.2	422.3	422.4
135°	444.0	443.9	443.8	443.7	443.9	444.3	444.7	445.1	445.5	445.7	445.9
137.5°	465.8	465.9	465.9	466.0	466.2	466.6	467.1	467.5	468.0	468.2	468.4
140°	480.1	480.3	480.5	480.7	480.9	481.1	481.4	481.6	481.8	482.1	482.4
142.5°	493.0	493.4	493.7	494.1	494.3	494.4	494.6	494.7	494.8	495.0	495.2
145°	512.4	512.7	513.0	513.3	513.5	513.5	513.5	513.5	513.5	513.6	513.7
147.5°	528.2	528.7	529.3	529.9	530.1	530.0	529.9	529.8	529.7	529.8	529.9
150°	539.3	539.7	540.1	540.5	540.6	540.5	540.4	540.3	540.2	540.2	540.2
152.5°	548.6	548.9	549.2	549.6	549.6	549.5	549.3	549.1	548.9	549.1	549.2
155°	561.6	561.7	561.8	561.9	561.8	561.5	561.2	560.9	560.6	561.0	561.4
157.5°	572.6	572.5	572.5	572.4	572.2	571.9	571.5	571.2	570.9	571.4	571.9
160°	578.9	578.6	578.3	578.0	577.8	577.7	577.6	577.5	577.4	578.0	578.6
162.5°	584.6	584.2	583.8	583.5	583.2	583.1	583.0	582.9	582.8	583.4	584.0
165°	591.8	591.3	590.8	590.3	590.1	590.1	590.1	590.1	590.1	590.9	591.7
167.5°	597.6	597.1	596.6	596.0	595.7	595.7	595.6	595.6	595.5	596.4	597.3
170°	600.8	600.2	599.6	599.0	598.7	598.8	598.9	599.0	599.1	599.9	600.7
172.5°	603.0	602.4	601.8	601.2	600.9	601.0	601.1	601.2	601.3	602.1	602.9
175°	605.3	604.7	604.1	603.5	603.3	603.4	603.5	603.6	603.7	604.6	605.5
177.5°	606.5	605.9	605.3	604.8	604.6	604.7	604.9	605.0	605.2	605.8	606.5
180°	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9



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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°	11.4	12.0	12.3	12.4	12.4	12.5	12.5
95°	11.8	12.4	12.7	12.8	12.9	13.0	13.1
97.5°	12.1	12.2	12.3	12.4	12.5	12.6	12.7
100°	14.8	13.1	12.3	12.4	12.5	12.6	12.7
102.5°	40.7	22.2	13.0	13.0	13.0	13.0	13.1
105°	144.1	145.0	143.7	140.0	136.4	132.8	129.2
107.5°	177.6	178.1	178.5	178.9	179.2	179.6	180.0
110°	200.5	200.7	200.9	201.2	201.5	201.8	202.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	222.6	222.5	222.7	223.1	223.5	223.9	224.2
115°	256.2	256.4	256.5	256.5	256.5	256.5	256.5
117.5°	289.6	289.5	289.5	289.4	289.4	289.4	289.3
120°	310.6	310.8	310.8	310.6	310.4	310.2	310.0
122.5°	331.0	331.1	331.1	330.9	330.7	330.5	330.3
125°	359.8	360.1	360.3	360.4	360.5	360.6	360.7
127.5°	387.9	387.9	387.8	387.7	387.6	387.6	387.5
130°	405.5	405.6	405.6	405.6	405.6	405.6	405.6
132.5°	422.5	422.6	422.6	422.5	422.5	422.4	422.3
135°	446.1	446.3	446.5	446.7	446.9	447.1	447.3
137.5°	468.6	468.9	468.9	468.9	468.8	468.8	468.7
140°	482.7	483.0	483.2	483.3	483.4	483.5	483.6
142.5°	495.5	495.7	495.8	495.8	495.9	495.9	495.9
145°	513.8	513.9	514.0	514.2	514.4	514.6	514.8
147.5°	529.9	530.0	530.1	530.2	530.3	530.4	530.5
150°	540.2	540.2	540.3	540.4	540.5	540.6	540.7
152.5°	549.4	549.6	549.6	549.6	549.5	549.4	549.4
155°	561.8	562.2	562.3	562.0	561.7	561.4	561.1
157.5°	572.4	572.9	572.9	572.4	571.9	571.4	570.9
160°	579.2	579.8	579.8	579.2	578.6	578.0	577.4
162.5°	584.6	585.2	585.2	584.5	583.8	583.1	582.5
165°	592.5	593.3	593.2	592.3	591.4	590.5	589.6
167.5°	598.2	599.1	599.0	598.0	597.0	596.0	595.0
170°	601.5	602.4	602.3	601.2	600.2	599.2	598.2
172.5°	603.7	604.5	604.4	603.3	602.2	601.1	600.0
175°	606.4	607.3	607.1	605.9	604.7	603.5	602.3
177.5°	607.1	607.8	607.6	606.7	605.7	604.7	603.8
180°	605.9	605.9	605.9	605.9	605.9	605.9	605.9

(END OF REPORT)