

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: P333039-840

Luminaire Tested: **S124RDIW-S575D770U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333039-840
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: S124RDIW-S575D770U840-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 770 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5568.2 lumens
Efficiency: N/A
Efficacy: 148.1 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: General Diffuse

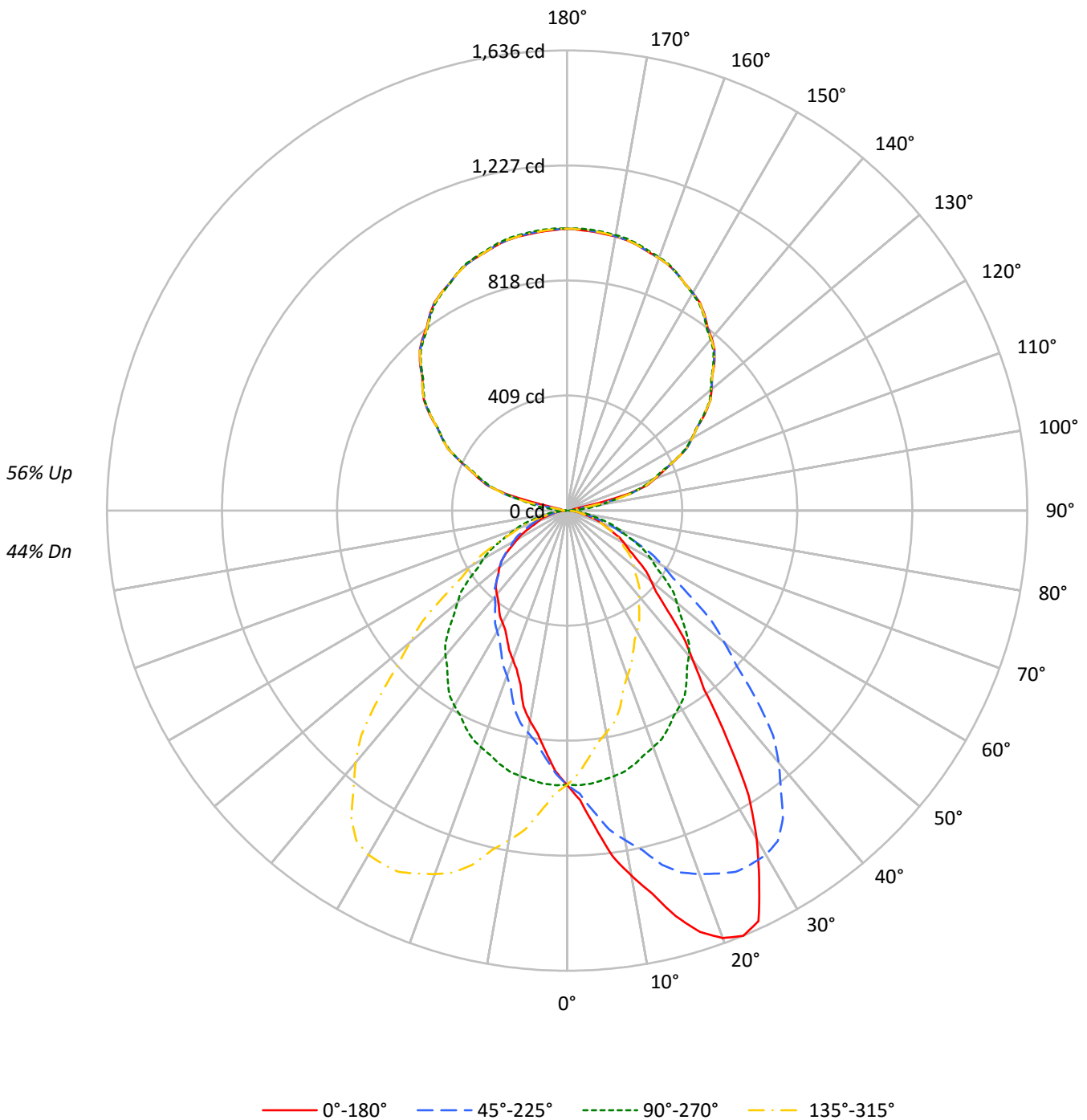
Input Watts (W): 37.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	44
1	97	93	89	86	89	85	82	79	71	69	67	58	56	55	46	45	44	38
2	89	81	76	71	81	75	70	66	63	59	56	51	49	46	41	39	37	33
3	81	72	65	59	74	66	60	55	55	51	47	46	42	40	36	34	32	28
4	74	64	56	50	68	59	52	47	50	45	41	41	37	34	33	30	28	24
5	68	57	49	43	62	53	46	41	44	39	35	37	33	30	30	27	25	21
6	63	51	43	38	58	47	40	35	40	35	31	33	29	26	27	24	22	19
7	58	46	39	33	53	43	36	31	36	31	27	30	26	23	25	22	20	17
8	54	42	35	29	49	39	32	28	33	28	24	28	24	21	23	20	18	15
9	50	38	31	26	46	36	29	25	30	25	22	26	22	19	21	18	16	14
10	47	35	28	23	43	33	26	22	28	23	20	24	20	17	19	17	14	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7873	7873	7873	7873
5°	9132	7896	6980	7896
10°	10803	7862	6229	7862
15°	12479	7789	5353	7789
20°	13894	7689	4840	7689
25°	14343	7591	4494	7591
30°	12557	7471	4285	7471
35°	9773	7295	4159	7295
40°	7330	7093	4091	7093
45°	5787	6769	4055	6769
50°	4886	6395	3939	6395
55°	4259	5985	3727	5985
60°	3831	5557	3299	5557
65°	3377	5096	2839	5096
70°	3043	4619	2561	4619
75°	2548	4095	2183	4095
80°	2157	3487	2046	3487
85°	1825	2732	1825	2732



TEST NUMBER: P333039-840

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.5	1.7
10°-20°	285.0	5.1
20°-30°	445.8	8.0
30°-40°	495.6	8.9
40°-50°	439.7	7.9
50°-60°	342.6	6.2
60°-70°	224.3	4.0
70°-80°	110.3	2.0
80°-90°	30.1	0.5
90°-100°	34.3	0.6
100°-110°	218.6	3.9
110°-120°	418.1	7.5
120°-130°	530.7	9.5
130°-140°	567.9	10.2
140°-150°	531.0	9.5
150°-160°	428.2	7.7
160°-170°	276.2	5.0
170°-180°	95.2	1.7
0°-30°	825.3	14.8
0°-40°	1320.9	23.7
0°-60°	2103.3	37.8
0°-90°	2468.0	44.3
90°-120°	670.9	12.0
90°-150°	2300.6	41.3
90°-180°	3100.0	55.7
0°-180°	5568.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	975	975	975	975	975	
5°	1127	974	861	974	1127	114
15°	1493	932	640	932	1493	425
25°	1610	852	504	852	1610	714
35°	992	740	422	740	992	622
45°	507	593	355	593	507	401
55°	303	425	265	425	303	275
65°	177	267	149	267	177	178
75°	82	131	70	131	82	90
85°	20	30	20	30	20	23
90°	22	2	22	2	22	11
95°	22	41	22	41	22	17
105°	214	226	214	226	214	186
115°	424	421	424	421	424	420
125°	597	592	597	592	597	531
135°	740	735	740	735	740	569
145°	852	847	852	847	852	532
155°	928	929	928	929	928	428
165°	975	980	975	980	975	275
175°	996	1002	996	1002	996	95
180°	1002	1002	1002	1002	1002	



TEST NUMBER: P333039-840

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2
2.5°	1028.6	1031.5	1028.6	1028.3	1025.2	1024.3	1023.0	1019.0	1011.4	1006.9	1007.9
5°	1126.9	1136.7	1131.3	1130.4	1121.8	1113.2	1107.6	1095.1	1081.7	1072.7	1065.2
7.5°	1240.5	1246.2	1242.7	1237.2	1223.2	1215.3	1202.5	1186.0	1162.1	1143.7	1127.0
10°	1317.9	1322.5	1321.0	1310.8	1300.6	1279.7	1268.0	1244.8	1214.5	1190.5	1168.1
12.5°	1393.9	1399.0	1385.1	1385.6	1366.2	1349.8	1331.1	1302.0	1267.0	1236.1	1208.1
15°	1493.1	1486.8	1486.8	1478.9	1457.3	1434.5	1415.3	1384.6	1340.6	1303.7	1264.9
17.5°	1570.7	1573.0	1569.7	1551.2	1534.2	1510.7	1475.3	1439.6	1398.7	1349.1	1309.4
20°	1617.3	1617.3	1613.8	1601.1	1579.1	1554.0	1515.9	1477.0	1425.1	1375.2	1330.4
22.5°	1636.1	1637.4	1633.3	1622.9	1603.1	1578.5	1546.1	1506.5	1453.1	1396.9	1341.4
25°	1610.2	1617.6	1618.4	1615.7	1609.8	1594.9	1567.0	1526.5	1478.5	1417.6	1358.0
27.5°	1478.3	1487.7	1496.0	1509.5	1527.6	1537.1	1538.3	1517.7	1475.9	1417.3	1357.3
30°	1347.0	1354.7	1380.3	1413.7	1439.7	1463.2	1483.7	1489.1	1465.6	1412.9	1349.7
32.5°	1201.0	1211.7	1237.3	1273.2	1316.5	1356.3	1402.3	1425.6	1425.0	1393.4	1334.9
35°	991.7	999.6	1023.2	1060.9	1112.8	1172.0	1244.8	1301.3	1339.9	1337.1	1301.3
37.5°	799.8	808.7	832.5	863.8	914.1	987.5	1057.9	1135.9	1207.1	1247.1	1235.1
40°	695.5	695.9	719.0	751.2	798.4	862.4	939.1	1025.5	1104.9	1169.7	1182.2
42.5°	613.1	613.2	628.5	663.3	697.2	757.5	830.6	916.5	1009.4	1084.2	1117.5
45°	506.9	510.4	523.0	543.8	570.5	621.6	680.1	759.9	864.0	952.8	1008.2
47.5°	429.2	434.4	442.4	459.4	480.7	514.7	563.1	634.8	719.5	817.2	896.1
50°	389.0	389.8	400.0	409.4	427.9	455.0	497.5	557.1	635.0	728.8	816.5
52.5°	354.5	354.3	360.4	372.3	387.4	408.5	442.7	497.2	566.1	650.3	740.7
55°	302.6	304.5	309.2	318.6	330.0	345.0	372.1	412.9	467.2	539.1	621.2
57.5°	263.1	264.1	267.8	271.9	282.3	293.2	313.5	341.8	387.6	446.5	523.0
60°	237.3	237.7	238.9	244.8	253.1	263.3	277.0	300.9	339.5	393.3	453.8
62.5°	212.2	212.9	214.7	219.0	225.4	232.5	246.8	266.1	298.0	344.0	398.5
65°	176.8	177.2	180.0	181.6	186.6	192.9	203.5	216.5	238.5	277.0	318.3
67.5°	147.7	147.7	147.8	150.1	153.6	157.7	164.1	174.5	191.1	214.7	251.1
70°	128.9	128.9	129.7	130.9	132.8	136.3	139.9	147.7	160.0	179.2	207.0
72.5°	111.3	111.6	112.4	112.6	113.6	116.5	119.2	124.1	133.2	147.7	170.3
75°	81.7	82.9	84.8	86.4	88.4	88.1	90.8	93.9	96.6	105.3	118.3
77.5°	60.8	60.2	60.4	61.8	62.0	62.4	64.3	66.8	68.9	72.9	77.6
80°	46.4	46.4	47.6	48.0	47.6	48.0	49.9	51.1	51.9	53.4	57.8
82.5°	35.0	35.6	35.2	35.6	36.0	36.4	38.0	38.2	39.0	39.6	41.4
85°	19.7	20.0	20.4	19.7	19.7	19.7	20.4	20.8	21.6	21.2	22.0
87.5°	11.4	11.0	11.3	11.2	11.4	11.0	11.1	11.5	10.7	10.8	10.6
90°	22.5	22.1	21.8	21.5	21.1	20.5	19.5	18.5	17.5	16.5	15.1
92.5°	20.7	20.6	20.6	20.5	20.4	19.9	18.9	17.9	16.9	15.9	14.5
95°	21.7	21.6	21.4	21.2	21.1	20.5	19.5	18.5	17.5	16.5	16.4
97.5°	21.0	20.8	20.7	20.5	20.3	20.2	20.1	20.0	19.9	19.8	38.4
100°	21.0	20.8	20.7	20.5	20.3	21.6	24.4	27.4	30.2	33.0	55.9
102.5°	21.6	21.5	21.5	21.5	21.4	36.8	67.3	97.9	128.4	159.0	161.9
105°	213.7	219.6	225.6	231.7	237.6	239.8	238.3	236.9	235.4	233.9	233.1
107.5°	297.7	297.1	296.5	295.9	295.2	294.6	293.8	293.1	292.4	291.5	290.4
110°	334.4	333.9	333.4	332.9	332.3	331.9	331.5	331.2	330.9	330.5	329.6



TEST NUMBER: P333039-840

CATALOG NUMBER: S124RDIW-S575D770U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	370.9	370.3	369.6	369.0	368.4	368.1	368.2	368.2	368.3	368.4	367.9
115°	424.2	424.2	424.2	424.2	424.2	424.1	423.7	423.4	423.1	422.7	422.9
117.5°	478.6	478.6	478.7	478.8	478.8	478.9	479.0	479.0	479.1	479.2	478.8
120°	512.7	513.1	513.4	513.7	514.0	514.0	513.7	513.4	513.1	512.7	512.9
122.5°	546.3	546.6	546.9	547.3	547.6	547.8	547.5	547.3	547.1	546.9	546.6
125°	596.7	596.5	596.3	596.2	596.0	595.7	595.2	594.7	594.2	593.7	594.0
127.5°	641.0	641.1	641.2	641.4	641.5	641.6	641.7	641.8	641.9	642.0	641.2
130°	670.9	670.9	670.9	670.9	670.9	670.9	670.7	670.4	670.3	670.1	669.6
132.5°	698.5	698.6	698.7	698.9	699.0	699.0	698.8	698.6	698.5	698.3	697.7
135°	739.8	739.5	739.2	738.8	738.5	738.2	737.9	737.5	737.2	736.9	736.2
137.5°	775.3	775.4	775.5	775.6	775.7	775.5	775.2	774.8	774.4	774.1	773.4
140°	799.8	799.7	799.5	799.3	799.2	798.8	798.3	797.8	797.3	796.9	796.5
142.5°	820.2	820.2	820.1	820.1	820.1	819.9	819.5	819.2	818.8	818.4	818.2
145°	851.5	851.2	850.9	850.5	850.2	850.0	849.8	849.6	849.5	849.3	849.3
147.5°	877.5	877.4	877.2	877.0	876.9	876.7	876.6	876.4	876.3	876.2	876.3
150°	894.2	894.1	893.9	893.8	893.6	893.5	893.5	893.5	893.5	893.5	893.7
152.5°	908.7	908.8	908.9	909.0	909.1	909.0	908.7	908.5	908.2	908.0	908.3
155°	928.1	928.5	929.0	929.5	930.0	929.9	929.3	928.6	928.0	927.3	927.8
157.5°	944.2	945.0	945.9	946.8	947.7	947.7	946.8	945.9	945.0	944.2	944.7
160°	955.0	956.0	957.0	958.0	959.0	959.0	958.0	957.0	956.0	955.0	955.1
162.5°	963.4	964.5	965.6	966.8	968.0	968.0	966.9	966.0	965.0	964.0	964.1
165°	975.2	976.7	978.3	979.8	981.3	981.3	980.0	978.7	977.3	976.0	976.0
167.5°	984.1	985.7	987.4	989.1	990.8	990.9	989.4	988.0	986.4	985.0	985.1
170°	989.5	991.2	992.8	994.5	996.1	996.3	995.0	993.6	992.3	991.0	990.8
172.5°	992.5	994.3	996.1	997.8	999.7	999.9	998.6	997.2	995.9	994.6	994.4
175°	996.2	998.3	1000.3	1002.2	1004.2	1004.5	1003.0	1001.5	1000.0	998.5	998.4
177.5°	998.7	1000.3	1001.8	1003.4	1005.0	1005.3	1004.2	1003.2	1002.1	1001.0	1000.8
180°	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2



TEST NUMBER: P333039-840

CATALOG NUMBER: S124RDIW-S575D770U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2
2.5°	1004.8	1000.4	998.2	993.1	987.1	984.0	981.2	977.1	971.8	966.1	962.0
5°	1055.8	1046.3	1034.5	1020.4	1007.8	995.6	985.0	974.4	962.3	949.7	937.2
7.5°	1108.1	1089.5	1069.5	1046.3	1023.8	1003.3	984.4	966.3	945.9	927.6	910.9
10°	1144.6	1119.4	1091.6	1062.1	1032.6	1007.0	981.9	959.1	933.9	911.6	892.7
12.5°	1174.2	1144.6	1111.1	1074.3	1038.8	1007.9	979.1	949.4	920.8	896.5	871.3
15°	1223.1	1182.7	1137.5	1093.5	1047.5	1005.5	966.5	932.0	899.4	865.3	841.2
17.5°	1256.9	1208.8	1154.0	1101.1	1046.7	997.1	952.3	911.1	873.4	838.6	810.0
20°	1277.0	1224.0	1163.1	1102.9	1042.0	989.0	940.7	895.0	856.2	818.5	789.0
22.5°	1288.3	1229.6	1163.1	1100.0	1037.0	979.6	926.6	879.1	836.7	799.0	766.4
25°	1291.9	1229.0	1161.0	1088.7	1019.7	958.8	903.7	852.2	805.1	767.4	732.8
27.5°	1286.9	1212.8	1143.3	1069.0	997.7	933.5	875.8	821.6	774.5	734.0	698.5
30°	1279.3	1200.0	1125.3	1048.3	976.0	914.3	853.4	801.5	752.5	710.4	674.7
32.5°	1263.0	1184.3	1104.0	1025.0	951.8	888.3	830.5	778.3	730.1	687.1	649.1
35°	1230.6	1150.8	1063.6	982.7	910.8	844.8	790.5	740.2	694.3	648.3	608.2
37.5°	1187.9	1106.5	1019.7	931.1	859.1	796.8	747.0	699.8	654.9	613.0	568.6
40°	1147.7	1073.5	983.9	895.9	822.0	761.8	715.9	673.1	627.9	586.2	541.8
42.5°	1099.0	1035.7	945.2	856.9	784.0	726.0	683.2	641.4	600.3	559.9	513.5
45°	1017.6	969.8	884.8	800.0	726.5	669.1	629.9	592.9	556.7	518.3	474.6
47.5°	924.4	892.0	818.8	731.8	663.9	612.3	574.3	544.1	513.5	475.0	436.8
50°	859.7	838.9	768.2	688.8	624.0	576.4	537.6	509.2	483.7	446.8	412.5
52.5°	790.5	779.5	719.7	643.8	581.2	534.6	501.4	475.9	450.1	419.4	387.4
55°	685.3	691.2	640.5	574.8	515.9	476.7	446.4	425.2	403.1	377.2	352.4
57.5°	577.5	599.2	565.1	507.5	452.2	416.0	393.1	375.3	356.9	335.3	314.2
60°	513.1	531.2	512.0	461.3	412.9	379.2	358.0	344.2	325.7	306.1	289.9
62.5°	450.3	469.6	458.2	417.3	372.4	343.4	324.7	311.8	298.1	280.9	264.2
65°	371.3	383.8	378.4	350.1	318.3	293.5	276.2	266.8	254.2	241.7	226.7
67.5°	284.4	308.7	305.5	290.4	263.0	243.6	232.3	224.0	212.5	203.2	193.0
70°	233.8	256.2	255.8	243.6	228.6	210.6	202.8	195.7	185.4	176.4	168.1
72.5°	191.4	211.9	214.9	205.6	195.4	181.7	174.1	169.3	159.4	153.2	146.4
75°	134.0	149.0	152.9	152.9	148.1	141.1	134.4	131.3	124.1	118.7	114.7
77.5°	87.9	97.3	103.4	104.8	105.5	103.2	97.7	95.4	90.1	88.1	84.3
80°	62.1	68.4	75.4	77.8	79.8	79.0	76.6	75.0	70.0	68.0	66.4
82.5°	42.9	46.4	52.2	57.4	56.9	58.9	56.9	55.5	51.7	51.0	49.4
85°	22.4	22.8	23.5	27.1	29.1	29.9	30.3	29.5	28.3	28.3	25.5
87.5°	10.3	9.7	10.1	9.8	9.7	10.6	11.2	11.1	10.6	10.0	9.4
90°	13.8	12.5	11.2	9.6	7.8	6.0	4.0	2.2	4.0	6.0	7.8
92.5°	13.2	11.9	10.6	9.8	9.7	9.7	9.6	9.5	9.6	9.7	9.7
95°	16.2	16.0	15.9	18.6	24.2	29.9	35.5	41.2	35.5	29.9	24.2
97.5°	57.0	75.5	94.1	101.7	98.2	94.6	91.1	87.6	91.1	94.6	98.2
100°	79.0	102.0	124.9	134.9	131.9	129.0	125.9	122.9	125.9	129.0	131.9
102.5°	164.9	167.9	170.9	171.3	169.2	166.9	164.7	162.5	164.7	166.9	169.2
105°	232.2	231.4	230.6	229.6	228.6	227.6	226.6	225.6	226.6	227.6	228.6
107.5°	289.3	288.2	287.1	286.3	285.8	285.3	284.8	284.3	284.8	285.3	285.8
110°	328.6	327.6	326.6	325.8	325.4	324.9	324.4	323.9	324.4	324.9	325.4



TEST NUMBER: P333039-840

CATALOG NUMBER: S124RDIW-S575D770U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	367.4	367.0	366.5	365.8	364.9	364.1	363.1	362.2	363.1	364.1	364.9
115°	423.1	423.2	423.4	423.2	422.7	422.3	421.8	421.3	421.8	422.3	422.7
117.5°	478.4	478.1	477.7	477.2	476.5	475.8	475.1	474.5	475.1	475.8	476.5
120°	513.1	513.2	513.4	513.1	512.5	511.8	511.2	510.5	511.2	511.8	512.5
122.5°	546.4	546.2	545.9	545.6	545.2	544.8	544.4	544.1	544.4	544.8	545.2
125°	594.4	594.7	595.0	594.8	594.2	593.5	592.9	592.2	592.9	593.5	594.2
127.5°	640.5	639.6	638.9	638.4	638.2	638.1	637.9	637.7	637.9	638.1	638.2
130°	669.1	668.6	668.1	667.8	667.6	667.5	667.3	667.1	667.3	667.5	667.6
132.5°	697.1	696.4	695.8	695.3	695.0	694.8	694.5	694.2	694.5	694.8	695.0
135°	735.5	734.9	734.2	734.0	734.1	734.3	734.5	734.6	734.5	734.3	734.1
137.5°	772.5	771.8	771.1	770.7	770.6	770.6	770.5	770.4	770.5	770.6	770.6
140°	796.2	795.9	795.5	795.2	794.9	794.5	794.2	793.9	794.2	794.5	794.9
142.5°	818.0	817.8	817.6	817.2	816.6	816.1	815.5	814.9	815.5	816.1	816.6
145°	849.3	849.3	849.3	849.1	848.6	848.1	847.6	847.1	847.6	848.1	848.6
147.5°	876.5	876.7	876.8	876.5	875.5	874.5	873.6	872.7	873.6	874.5	875.5
150°	893.8	894.0	894.2	893.9	893.3	892.6	891.9	891.3	891.9	892.6	893.3
152.5°	908.6	908.8	909.1	909.0	908.5	908.0	907.4	906.9	907.4	908.0	908.5
155°	928.3	928.8	929.3	929.5	929.3	929.1	929.0	928.8	929.0	929.1	929.3
157.5°	945.3	945.9	946.4	946.8	947.0	947.1	947.2	947.3	947.2	947.1	947.0
160°	955.3	955.5	955.6	956.0	956.5	957.0	957.5	958.0	957.5	957.0	956.5
162.5°	964.3	964.5	964.6	965.0	965.7	966.3	966.9	967.6	966.9	966.3	965.7
165°	976.0	976.0	976.0	976.4	977.2	978.1	978.9	979.8	978.9	978.1	977.2
167.5°	985.2	985.3	985.4	985.8	986.7	987.6	988.5	989.4	988.5	987.6	986.7
170°	990.7	990.5	990.3	990.8	991.7	992.7	993.7	994.7	993.7	992.7	991.7
172.5°	994.2	994.1	993.9	994.3	995.3	996.3	997.3	998.4	997.3	996.3	995.3
175°	998.2	997.9	997.8	998.3	999.3	1000.3	1001.2	1002.2	1001.2	1000.3	999.3
177.5°	1000.5	1000.3	1000.0	1000.3	1001.2	1002.2	1003.1	1004.0	1003.1	1002.2	1001.2
180°	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2



TEST NUMBER: P333039-840

CATALOG NUMBER: S124RDIW-S575D770U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2
2.5°	957.7	954.5	950.4	945.6	940.0	935.0	932.8	934.6	935.6	933.1	932.8
5°	928.5	918.7	910.8	899.0	889.6	881.7	876.2	873.8	874.6	868.4	866.8
7.5°	895.6	884.0	871.2	857.2	844.1	832.6	826.6	823.2	816.6	813.7	808.9
10°	874.6	858.9	846.4	829.8	815.0	801.1	794.5	789.0	782.3	779.1	772.4
12.5°	852.9	834.8	820.9	803.8	788.5	771.9	765.6	755.4	744.9	738.3	729.7
15°	822.3	800.4	783.5	763.1	745.0	726.1	709.2	690.3	683.3	668.3	659.7
17.5°	786.6	764.3	743.4	716.0	688.1	664.7	646.6	628.6	617.7	608.2	603.8
20°	763.1	742.7	713.6	681.8	650.7	624.7	610.2	598.4	586.6	580.0	575.2
22.5°	740.7	714.7	680.9	646.5	615.5	595.2	582.9	570.8	561.2	554.8	548.6
25°	703.4	669.1	633.4	594.1	572.9	555.2	541.8	532.0	526.1	517.9	514.7
27.5°	664.9	623.5	584.0	557.6	535.5	519.4	507.8	500.4	492.9	487.6	483.5
30°	635.3	593.3	558.0	532.8	510.4	497.1	487.6	479.0	473.1	468.8	465.6
32.5°	606.1	564.1	534.3	507.4	489.7	476.7	466.6	460.1	455.4	449.9	448.0
35°	563.8	526.5	500.6	476.3	458.2	446.4	438.5	431.8	427.9	426.4	425.2
37.5°	523.2	492.6	464.7	444.7	428.7	419.4	410.1	406.9	404.1	401.3	402.6
40°	497.5	468.8	444.0	422.8	409.8	399.6	394.0	390.2	387.8	387.8	387.8
42.5°	475.1	447.1	422.9	403.9	390.9	382.3	376.2	372.8	372.1	371.7	373.7
45°	440.5	414.5	390.2	374.5	363.5	354.8	351.2	348.5	348.5	350.1	350.5
47.5°	406.2	381.8	362.2	344.7	334.6	329.2	326.1	324.7	324.9	326.4	328.2
50°	385.1	361.1	341.8	326.1	316.7	311.5	308.8	308.0	308.8	308.8	311.5
52.5°	362.1	340.6	321.7	308.5	297.8	293.1	291.5	290.4	290.9	292.2	293.4
55°	328.5	309.2	291.1	278.6	270.7	267.6	264.1	264.5	263.7	264.5	264.5
57.5°	294.8	277.5	260.6	250.6	243.8	239.2	235.4	236.4	235.3	235.1	234.5
60°	273.1	254.2	240.9	231.9	224.0	220.0	216.5	217.3	216.1	215.3	213.8
62.5°	249.5	233.8	221.1	212.4	206.0	201.5	197.9	197.1	194.4	191.8	188.2
65°	215.3	202.4	191.0	182.7	176.8	173.3	170.6	168.1	162.3	156.0	152.9
67.5°	182.1	172.7	162.1	155.1	150.4	145.7	140.5	136.4	130.9	127.4	125.5
70°	160.7	151.7	142.6	135.9	130.9	126.5	120.6	117.9	113.9	112.4	110.4
72.5°	140.3	131.9	123.4	117.4	112.0	108.6	104.0	101.2	99.5	98.9	96.8
75°	109.3	102.6	96.2	90.8	86.4	84.1	82.1	80.2	79.4	75.8	73.8
77.5°	79.7	75.2	71.4	67.5	64.3	62.8	59.0	56.8	55.4	53.7	53.3
80°	62.1	59.0	55.0	52.6	48.4	46.8	45.1	44.8	44.4	44.0	43.6
82.5°	46.7	43.5	39.6	38.2	37.1	36.1	35.1	34.7	34.3	34.5	34.5
85°	23.5	22.0	22.0	21.6	21.2	20.8	20.4	20.4	20.0	20.4	20.0
87.5°	9.8	9.8	10.0	9.7	10.3	10.5	10.4	10.6	11.1	10.7	10.8
90°	9.6	11.2	12.5	13.8	15.1	16.5	17.5	18.5	19.5	20.5	21.1
92.5°	9.8	10.6	11.9	13.2	14.5	15.9	16.9	17.9	18.9	19.9	20.4
95°	18.6	15.9	16.0	16.2	16.4	16.5	17.5	18.5	19.5	20.5	21.1
97.5°	101.7	94.1	75.5	57.0	38.4	19.8	19.9	20.0	20.1	20.2	20.3
100°	134.9	124.9	102.0	79.0	55.9	33.0	30.2	27.4	24.4	21.6	20.3
102.5°	171.3	170.9	167.9	164.9	161.9	159.0	128.4	97.9	67.3	36.8	21.4
105°	229.6	230.6	231.4	232.2	233.1	233.9	235.4	236.9	238.3	239.8	237.6
107.5°	286.3	287.1	288.2	289.3	290.4	291.5	292.4	293.1	293.8	294.6	295.2
110°	325.8	326.6	327.6	328.6	329.6	330.5	330.9	331.2	331.5	331.9	332.3



TEST NUMBER: P333039-840

CATALOG NUMBER: S124RDIW-S575D770U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	365.8	366.5	367.0	367.4	367.9	368.4	368.3	368.2	368.2	368.1	368.4
115°	423.2	423.4	423.2	423.1	422.9	422.7	423.1	423.4	423.7	424.1	424.2
117.5°	477.2	477.7	478.1	478.4	478.8	479.2	479.1	479.0	479.0	478.9	478.8
120°	513.1	513.4	513.2	513.1	512.9	512.7	513.1	513.4	513.7	514.0	514.0
122.5°	545.6	545.9	546.2	546.4	546.6	546.9	547.1	547.3	547.5	547.8	547.6
125°	594.8	595.0	594.7	594.4	594.0	593.7	594.2	594.7	595.2	595.7	596.0
127.5°	638.4	638.9	639.6	640.5	641.2	642.0	641.9	641.8	641.7	641.6	641.5
130°	667.8	668.1	668.6	669.1	669.6	670.1	670.3	670.4	670.7	670.9	670.9
132.5°	695.3	695.8	696.4	697.1	697.7	698.3	698.5	698.6	698.8	699.0	699.0
135°	734.0	734.2	734.9	735.5	736.2	736.9	737.2	737.5	737.9	738.2	738.5
137.5°	770.7	771.1	771.8	772.5	773.4	774.1	774.4	774.8	775.2	775.5	775.7
140°	795.2	795.5	795.9	796.2	796.5	796.9	797.3	797.8	798.3	798.8	799.2
142.5°	817.2	817.6	817.8	818.0	818.2	818.4	818.8	819.2	819.5	819.9	820.1
145°	849.1	849.3	849.3	849.3	849.3	849.3	849.5	849.6	849.8	850.0	850.2
147.5°	876.5	876.8	876.7	876.5	876.3	876.2	876.3	876.4	876.6	876.7	876.9
150°	893.9	894.2	894.0	893.8	893.7	893.5	893.5	893.5	893.5	893.5	893.6
152.5°	909.0	909.1	908.8	908.6	908.3	908.0	908.2	908.5	908.7	909.0	909.1
155°	929.5	929.3	928.8	928.3	927.8	927.3	928.0	928.6	929.3	929.9	930.0
157.5°	946.8	946.4	945.9	945.3	944.7	944.2	945.0	945.9	946.8	947.7	947.7
160°	956.0	955.6	955.5	955.3	955.1	955.0	956.0	957.0	958.0	959.0	959.0
162.5°	965.0	964.6	964.5	964.3	964.1	964.0	965.0	966.0	966.9	968.0	968.0
165°	976.4	976.0	976.0	976.0	976.0	976.0	977.3	978.7	980.0	981.3	981.3
167.5°	985.8	985.4	985.3	985.2	985.1	985.0	986.4	988.0	989.4	990.9	990.8
170°	990.8	990.3	990.5	990.7	990.8	991.0	992.3	993.6	995.0	996.3	996.1
172.5°	994.3	993.9	994.1	994.2	994.4	994.6	995.9	997.2	998.6	999.9	999.7
175°	998.3	997.8	997.9	998.2	998.4	998.5	1000.0	1001.5	1003.0	1004.5	1004.2
177.5°	1000.3	1000.0	1000.3	1000.5	1000.8	1001.0	1002.1	1003.2	1004.2	1005.3	1005.0
180°	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2



TEST NUMBER: P333039-840

CATALOG NUMBER: S124RDIW-S575D770U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2
2.5°	930.9	931.5	929.4	928.7	929.4	931.5	930.9	932.8	933.1	935.6	934.6
5°	863.6	862.8	860.9	861.3	860.9	862.8	863.6	866.8	868.4	874.6	873.8
7.5°	806.1	803.0	804.0	800.7	804.0	803.0	806.1	808.9	813.7	816.6	823.2
10°	770.9	766.6	763.1	759.9	763.1	766.6	770.9	772.4	779.1	782.3	789.0
12.5°	722.9	719.1	714.3	715.3	714.3	719.1	722.9	729.7	738.3	744.9	755.4
15°	654.6	648.7	639.2	640.5	639.2	648.7	654.6	659.7	668.3	683.3	690.3
17.5°	596.8	596.9	592.6	593.6	592.6	596.9	596.8	603.8	608.2	617.7	628.6
20°	566.9	564.2	564.6	563.4	564.6	564.2	566.9	575.2	580.0	586.6	598.4
22.5°	546.2	542.9	540.1	537.7	540.1	542.9	546.2	548.6	554.8	561.2	570.8
25°	511.2	508.9	505.3	504.5	505.3	508.9	511.2	514.7	517.9	526.1	532.0
27.5°	480.4	479.9	478.5	476.7	478.5	479.9	480.4	483.5	487.6	492.9	500.4
30°	462.4	461.7	460.9	459.7	460.9	461.7	462.4	465.6	468.8	473.1	479.0
32.5°	446.5	446.0	445.1	445.2	445.1	446.0	446.5	448.0	449.9	455.4	460.1
35°	423.5	423.1	422.4	422.0	422.4	423.1	423.5	425.2	426.4	427.9	431.8
37.5°	402.2	403.2	402.7	402.6	402.7	403.2	402.2	402.6	401.3	404.1	406.9
40°	387.4	387.8	388.6	388.2	388.6	387.8	387.4	387.8	387.8	387.8	390.2
42.5°	375.2	375.3	376.4	375.0	376.4	375.3	375.2	373.7	371.7	372.1	372.8
45°	353.3	355.6	355.2	355.2	355.2	355.6	353.3	350.5	350.1	348.5	348.5
47.5°	329.2	331.3	331.8	331.7	331.8	331.3	329.2	328.2	326.4	324.9	324.7
50°	313.6	312.8	314.0	313.6	314.0	312.8	313.6	311.5	308.8	308.8	308.0
52.5°	294.4	294.6	294.5	294.1	294.5	294.6	294.4	293.4	292.2	290.9	290.4
55°	264.8	265.2	264.5	264.8	264.5	265.2	264.8	264.5	264.5	263.7	264.5
57.5°	232.8	230.9	231.7	230.8	231.7	230.9	232.8	234.5	235.1	235.3	236.4
60°	209.8	206.7	205.9	204.3	205.9	206.7	209.8	213.8	215.3	216.1	217.3
62.5°	184.0	181.9	179.2	180.5	179.2	181.9	184.0	188.2	191.8	194.4	197.1
65°	149.7	148.1	146.9	148.6	146.9	148.1	149.7	152.9	156.0	162.3	168.1
67.5°	123.9	123.1	123.1	122.3	123.1	123.1	123.9	125.5	127.4	130.9	136.4
70°	110.4	109.3	109.3	108.5	109.3	109.3	110.4	110.4	112.4	113.9	117.9
72.5°	96.5	95.4	95.7	95.2	95.7	95.4	96.5	96.8	98.9	99.5	101.2
75°	71.5	69.6	69.6	70.0	69.6	69.6	71.5	73.8	75.8	79.4	80.2
77.5°	53.3	52.9	53.5	52.8	53.5	52.9	53.3	53.3	53.7	55.4	56.8
80°	43.6	43.2	42.8	44.0	42.8	43.2	43.6	43.6	44.0	44.4	44.8
82.5°	33.8	33.8	33.7	35.2	33.7	33.8	33.8	34.5	34.5	34.3	34.7
85°	20.4	19.7	20.4	19.7	20.4	19.7	20.4	20.0	20.4	20.0	20.4
87.5°	11.5	11.3	11.0	11.4	11.0	11.3	11.5	10.8	10.7	11.1	10.6
90°	21.5	21.8	22.1	22.5	22.1	21.8	21.5	21.1	20.5	19.5	18.5
92.5°	20.5	20.6	20.6	20.7	20.6	20.6	20.5	20.4	19.9	18.9	17.9
95°	21.2	21.4	21.6	21.7	21.6	21.4	21.2	21.1	20.5	19.5	18.5
97.5°	20.5	20.7	20.8	21.0	20.8	20.7	20.5	20.3	20.2	20.1	20.0
100°	20.5	20.7	20.8	21.0	20.8	20.7	20.5	20.3	21.6	24.4	27.4
102.5°	21.5	21.5	21.5	21.6	21.5	21.5	21.5	21.4	36.8	67.3	97.9
105°	231.7	225.6	219.6	213.7	219.6	225.6	231.7	237.6	239.8	238.3	236.9
107.5°	295.9	296.5	297.1	297.7	297.1	296.5	295.9	295.2	294.6	293.8	293.1
110°	332.9	333.4	333.9	334.4	333.9	333.4	332.9	332.3	331.9	331.5	331.2



TEST NUMBER: P333039-840

CATALOG NUMBER: S124RDIW-S575D770U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	369.0	369.6	370.3	370.9	370.3	369.6	369.0	368.4	368.1	368.2	368.2
115°	424.2	424.2	424.2	424.2	424.2	424.2	424.2	424.2	424.1	423.7	423.4
117.5°	478.8	478.7	478.6	478.6	478.6	478.7	478.8	478.8	478.9	479.0	479.0
120°	513.7	513.4	513.1	512.7	513.1	513.4	513.7	514.0	514.0	513.7	513.4
122.5°	547.3	546.9	546.6	546.3	546.6	546.9	547.3	547.6	547.8	547.5	547.3
125°	596.2	596.3	596.5	596.7	596.5	596.3	596.2	596.0	595.7	595.2	594.7
127.5°	641.4	641.2	641.1	641.0	641.1	641.2	641.4	641.5	641.6	641.7	641.8
130°	670.9	670.9	670.9	670.9	670.9	670.9	670.9	670.9	670.9	670.7	670.4
132.5°	698.9	698.7	698.6	698.5	698.6	698.7	698.9	699.0	699.0	698.8	698.6
135°	738.8	739.2	739.5	739.8	739.5	739.2	738.8	738.5	738.2	737.9	737.5
137.5°	775.6	775.5	775.4	775.3	775.4	775.5	775.6	775.7	775.5	775.2	774.8
140°	799.3	799.5	799.7	799.8	799.7	799.5	799.3	799.2	798.8	798.3	797.8
142.5°	820.1	820.1	820.2	820.2	820.2	820.1	820.1	820.1	819.9	819.5	819.2
145°	850.5	850.9	851.2	851.5	851.2	850.9	850.5	850.2	850.0	849.8	849.6
147.5°	877.0	877.2	877.4	877.5	877.4	877.2	877.0	876.9	876.7	876.6	876.4
150°	893.8	893.9	894.1	894.2	894.1	893.9	893.8	893.6	893.5	893.5	893.5
152.5°	909.0	908.9	908.8	908.7	908.8	908.9	909.0	909.1	909.0	908.7	908.5
155°	929.5	929.0	928.5	928.1	928.5	929.0	929.5	930.0	929.9	929.3	928.6
157.5°	946.8	945.9	945.0	944.2	945.0	945.9	946.8	947.7	947.7	946.8	945.9
160°	958.0	957.0	956.0	955.0	956.0	957.0	958.0	959.0	959.0	958.0	957.0
162.5°	966.8	965.6	964.5	963.4	964.5	965.6	966.8	968.0	968.0	966.9	966.0
165°	979.8	978.3	976.7	975.2	976.7	978.3	979.8	981.3	981.3	980.0	978.7
167.5°	989.1	987.4	985.7	984.1	985.7	987.4	989.1	990.8	990.9	989.4	988.0
170°	994.5	992.8	991.2	989.5	991.2	992.8	994.5	996.1	996.3	995.0	993.6
172.5°	997.8	996.1	994.3	992.5	994.3	996.1	997.8	999.7	999.9	998.6	997.2
175°	1002.2	1000.3	998.3	996.2	998.3	1000.3	1002.2	1004.2	1004.5	1003.0	1001.5
177.5°	1003.4	1001.8	1000.3	998.7	1000.3	1001.8	1003.4	1005.0	1005.3	1004.2	1003.2
180°	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2



TEST NUMBER: P333039-840

CATALOG NUMBER: S124RDIW-S575D770U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2
2.5°	932.8	935.0	940.0	945.6	950.4	954.5	957.7	962.0	966.1	971.8	977.1
5°	876.2	881.7	889.6	899.0	910.8	918.7	928.5	937.2	949.7	962.3	974.4
7.5°	826.6	832.6	844.1	857.2	871.2	884.0	895.6	910.9	927.6	945.9	966.3
10°	794.5	801.1	815.0	829.8	846.4	858.9	874.6	892.7	911.6	933.9	959.1
12.5°	765.6	771.9	788.5	803.8	820.9	834.8	852.9	871.3	896.5	920.8	949.4
15°	709.2	726.1	745.0	763.1	783.5	800.4	822.3	841.2	865.3	899.4	932.0
17.5°	646.6	664.7	688.1	716.0	743.4	764.3	786.6	810.0	838.6	873.4	911.1
20°	610.2	624.7	650.7	681.8	713.6	742.7	763.1	789.0	818.5	856.2	895.0
22.5°	582.9	595.2	615.5	646.5	680.9	714.7	740.7	766.4	799.0	836.7	879.1
25°	541.8	555.2	572.9	594.1	633.4	669.1	703.4	732.8	767.4	805.1	852.2
27.5°	507.8	519.4	535.5	557.6	584.0	623.5	664.9	698.5	734.0	774.5	821.6
30°	487.6	497.1	510.4	532.8	558.0	593.3	635.3	674.7	710.4	752.5	801.5
32.5°	466.6	476.7	489.7	507.4	534.3	564.1	606.1	649.1	687.1	730.1	778.3
35°	438.5	446.4	458.2	476.3	500.6	526.5	563.8	608.2	648.3	694.3	740.2
37.5°	410.1	419.4	428.7	444.7	464.7	492.6	523.2	568.6	613.0	654.9	699.8
40°	394.0	399.6	409.8	422.8	444.0	468.8	497.5	541.8	586.2	627.9	673.1
42.5°	376.2	382.3	390.9	403.9	422.9	447.1	475.1	513.5	559.9	600.3	641.4
45°	351.2	354.8	363.5	374.5	390.2	414.5	440.5	474.6	518.3	556.7	592.9
47.5°	326.1	329.2	334.6	344.7	362.2	381.8	406.2	436.8	475.0	513.5	544.1
50°	308.8	311.5	316.7	326.1	341.8	361.1	385.1	412.5	446.8	483.7	509.2
52.5°	291.5	293.1	297.8	308.5	321.7	340.6	362.1	387.4	419.4	450.1	475.9
55°	264.1	267.6	270.7	278.6	291.1	309.2	328.5	352.4	377.2	403.1	425.2
57.5°	235.4	239.2	243.8	250.6	260.6	277.5	294.8	314.2	335.3	356.9	375.3
60°	216.5	220.0	224.0	231.9	240.9	254.2	273.1	289.9	306.1	325.7	344.2
62.5°	197.9	201.5	206.0	212.4	221.1	233.8	249.5	264.2	280.9	298.1	311.8
65°	170.6	173.3	176.8	182.7	191.0	202.4	215.3	226.7	241.7	254.2	266.8
67.5°	140.5	145.7	150.4	155.1	162.1	172.7	182.1	193.0	203.2	212.5	224.0
70°	120.6	126.5	130.9	135.9	142.6	151.7	160.7	168.1	176.4	185.4	195.7
72.5°	104.0	108.6	112.0	117.4	123.4	131.9	140.3	146.4	153.2	159.4	169.3
75°	82.1	84.1	86.4	90.8	96.2	102.6	109.3	114.7	118.7	124.1	131.3
77.5°	59.0	62.8	64.3	67.5	71.4	75.2	79.7	84.3	88.1	90.1	95.4
80°	45.1	46.8	48.4	52.6	55.0	59.0	62.1	66.4	68.0	70.0	75.0
82.5°	35.1	36.1	37.1	38.2	39.6	43.5	46.7	49.4	51.0	51.7	55.5
85°	20.4	20.8	21.2	21.6	22.0	22.0	23.5	25.5	28.3	28.3	29.5
87.5°	10.4	10.5	10.3	9.7	10.0	9.8	9.8	9.4	10.0	10.6	11.1
90°	17.5	16.5	15.1	13.8	12.5	11.2	9.6	7.8	6.0	4.0	2.2
92.5°	16.9	15.9	14.5	13.2	11.9	10.6	9.8	9.7	9.7	9.6	9.5
95°	17.5	16.5	16.4	16.2	16.0	15.9	18.6	24.2	29.9	35.5	41.2
97.5°	19.9	19.8	38.4	57.0	75.5	94.1	101.7	98.2	94.6	91.1	87.6
100°	30.2	33.0	55.9	79.0	102.0	124.9	134.9	131.9	129.0	125.9	122.9
102.5°	128.4	159.0	161.9	164.9	167.9	170.9	171.3	169.2	166.9	164.7	162.5
105°	235.4	233.9	233.1	232.2	231.4	230.6	229.6	228.6	227.6	226.6	225.6
107.5°	292.4	291.5	290.4	289.3	288.2	287.1	286.3	285.8	285.3	284.8	284.3
110°	330.9	330.5	329.6	328.6	327.6	326.6	325.8	325.4	324.9	324.4	323.9



TEST NUMBER: P333039-840

CATALOG NUMBER: S124RDIW-S575D770U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	368.3	368.4	367.9	367.4	367.0	366.5	365.8	364.9	364.1	363.1	362.2
115°	423.1	422.7	422.9	423.1	423.2	423.4	423.2	422.7	422.3	421.8	421.3
117.5°	479.1	479.2	478.8	478.4	478.1	477.7	477.2	476.5	475.8	475.1	474.5
120°	513.1	512.7	512.9	513.1	513.2	513.4	513.1	512.5	511.8	511.2	510.5
122.5°	547.1	546.9	546.6	546.4	546.2	545.9	545.6	545.2	544.8	544.4	544.1
125°	594.2	593.7	594.0	594.4	594.7	595.0	594.8	594.2	593.5	592.9	592.2
127.5°	641.9	642.0	641.2	640.5	639.6	638.9	638.4	638.2	638.1	637.9	637.7
130°	670.3	670.1	669.6	669.1	668.6	668.1	667.8	667.6	667.5	667.3	667.1
132.5°	698.5	698.3	697.7	697.1	696.4	695.8	695.3	695.0	694.8	694.5	694.2
135°	737.2	736.9	736.2	735.5	734.9	734.2	734.0	734.1	734.3	734.5	734.6
137.5°	774.4	774.1	773.4	772.5	771.8	771.1	770.7	770.6	770.6	770.5	770.4
140°	797.3	796.9	796.5	796.2	795.9	795.5	795.2	794.9	794.5	794.2	793.9
142.5°	818.8	818.4	818.2	818.0	817.8	817.6	817.2	816.6	816.1	815.5	814.9
145°	849.5	849.3	849.3	849.3	849.3	849.3	849.1	848.6	848.1	847.6	847.1
147.5°	876.3	876.2	876.3	876.5	876.7	876.8	876.5	875.5	874.5	873.6	872.7
150°	893.5	893.5	893.7	893.8	894.0	894.2	893.9	893.3	892.6	891.9	891.3
152.5°	908.2	908.0	908.3	908.6	908.8	909.1	909.0	908.5	908.0	907.4	906.9
155°	928.0	927.3	927.8	928.3	928.8	929.3	929.5	929.3	929.1	929.0	928.8
157.5°	945.0	944.2	944.7	945.3	945.9	946.4	946.8	947.0	947.1	947.2	947.3
160°	956.0	955.0	955.1	955.3	955.5	955.6	956.0	956.5	957.0	957.5	958.0
162.5°	965.0	964.0	964.1	964.3	964.5	964.6	965.0	965.7	966.3	966.9	967.6
165°	977.3	976.0	976.0	976.0	976.0	976.0	976.4	977.2	978.1	978.9	979.8
167.5°	986.4	985.0	985.1	985.2	985.3	985.4	985.8	986.7	987.6	988.5	989.4
170°	992.3	991.0	990.8	990.7	990.5	990.3	990.8	991.7	992.7	993.7	994.7
172.5°	995.9	994.6	994.4	994.2	994.1	993.9	994.3	995.3	996.3	997.3	998.4
175°	1000.0	998.5	998.4	998.2	997.9	997.8	998.3	999.3	1000.3	1001.2	1002.2
177.5°	1002.1	1001.0	1000.8	1000.5	1000.3	1000.0	1000.3	1001.2	1002.2	1003.1	1004.0
180°	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2



TEST NUMBER: P333039-840

CATALOG NUMBER: S124RDIW-S575D770U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2
2.5°	981.2	984.0	987.1	993.1	998.2	1000.4	1004.8	1007.9	1006.9	1011.4	1019.0
5°	985.0	995.6	1007.8	1020.4	1034.5	1046.3	1055.8	1065.2	1072.7	1081.7	1095.1
7.5°	984.4	1003.3	1023.8	1046.3	1069.5	1089.5	1108.1	1127.0	1143.7	1162.1	1186.0
10°	981.9	1007.0	1032.6	1062.1	1091.6	1119.4	1144.6	1168.1	1190.5	1214.5	1244.8
12.5°	979.1	1007.9	1038.8	1074.3	1111.1	1144.6	1174.2	1208.1	1236.1	1267.0	1302.0
15°	966.5	1005.5	1047.5	1093.5	1137.5	1182.7	1223.1	1264.9	1303.7	1340.6	1384.6
17.5°	952.3	997.1	1046.7	1101.1	1154.0	1208.8	1256.9	1309.4	1349.1	1398.7	1439.6
20°	940.7	989.0	1042.0	1102.9	1163.1	1224.0	1277.0	1330.4	1375.2	1425.1	1477.0
22.5°	926.6	979.6	1037.0	1100.0	1163.1	1229.6	1288.3	1341.4	1396.9	1453.1	1506.5
25°	903.7	958.8	1019.7	1088.7	1161.0	1229.0	1291.9	1358.0	1417.6	1478.5	1526.5
27.5°	875.8	933.5	997.7	1069.0	1143.3	1212.8	1286.9	1357.3	1417.3	1475.9	1517.7
30°	853.4	914.3	976.0	1048.3	1125.3	1200.0	1279.3	1349.7	1412.9	1465.6	1489.1
32.5°	830.5	888.3	951.8	1025.0	1104.0	1184.3	1263.0	1334.9	1393.4	1425.0	1425.6
35°	790.5	844.8	910.8	982.7	1063.6	1150.8	1230.6	1301.3	1337.1	1339.9	1301.3
37.5°	747.0	796.8	859.1	931.1	1019.7	1106.5	1187.9	1235.1	1247.1	1207.1	1135.9
40°	715.9	761.8	822.0	895.9	983.9	1073.5	1147.7	1182.2	1169.7	1104.9	1025.5
42.5°	683.2	726.0	784.0	856.9	945.2	1035.7	1099.0	1117.5	1084.2	1009.4	916.5
45°	629.9	669.1	726.5	800.0	884.8	969.8	1017.6	1008.2	952.8	864.0	759.9
47.5°	574.3	612.3	663.9	731.8	818.8	892.0	924.4	896.1	817.2	719.5	634.8
50°	537.6	576.4	624.0	688.8	768.2	838.9	859.7	816.5	728.8	635.0	557.1
52.5°	501.4	534.6	581.2	643.8	719.7	779.5	790.5	740.7	650.3	566.1	497.2
55°	446.4	476.7	515.9	574.8	640.5	691.2	685.3	621.2	539.1	467.2	412.9
57.5°	393.1	416.0	452.2	507.5	565.1	599.2	577.5	523.0	446.5	387.6	341.8
60°	358.0	379.2	412.9	461.3	512.0	531.2	513.1	453.8	393.3	339.5	300.9
62.5°	324.7	343.4	372.4	417.3	458.2	469.6	450.3	398.5	344.0	298.0	266.1
65°	276.2	293.5	318.3	350.1	378.4	383.8	371.3	318.3	277.0	238.5	216.5
67.5°	232.3	243.6	263.0	290.4	305.5	308.7	284.4	251.1	214.7	191.1	174.5
70°	202.8	210.6	228.6	243.6	255.8	256.2	233.8	207.0	179.2	160.0	147.7
72.5°	174.1	181.7	195.4	205.6	214.9	211.9	191.4	170.3	147.7	133.2	124.1
75°	134.4	141.1	148.1	152.9	152.9	149.0	134.0	118.3	105.3	96.6	93.9
77.5°	97.7	103.2	105.5	104.8	103.4	97.3	87.9	77.6	72.9	68.9	66.8
80°	76.6	79.0	79.8	77.8	75.4	68.4	62.1	57.8	53.4	51.9	51.1
82.5°	56.9	58.9	56.9	57.4	52.2	46.4	42.9	41.4	39.6	39.0	38.2
85°	30.3	29.9	29.1	27.1	23.5	22.8	22.4	22.0	21.2	21.6	20.8
87.5°	11.2	10.6	9.7	9.8	10.1	9.7	10.3	10.6	10.8	10.7	11.5
90°	4.0	6.0	7.8	9.6	11.2	12.5	13.8	15.1	16.5	17.5	18.5
92.5°	9.6	9.7	9.7	9.8	10.6	11.9	13.2	14.5	15.9	16.9	17.9
95°	35.5	29.9	24.2	18.6	15.9	16.0	16.2	16.4	16.5	17.5	18.5
97.5°	91.1	94.6	98.2	101.7	94.1	75.5	57.0	38.4	19.8	19.9	20.0
100°	125.9	129.0	131.9	134.9	124.9	102.0	79.0	55.9	33.0	30.2	27.4
102.5°	164.7	166.9	169.2	171.3	170.9	167.9	164.9	161.9	159.0	128.4	97.9
105°	226.6	227.6	228.6	229.6	230.6	231.4	232.2	233.1	233.9	235.4	236.9
107.5°	284.8	285.3	285.8	286.3	287.1	288.2	289.3	290.4	291.5	292.4	293.1
110°	324.4	324.9	325.4	325.8	326.6	327.6	328.6	329.6	330.5	330.9	331.2



TEST NUMBER: P333039-840

CATALOG NUMBER: S124RDIW-S575D770U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	363.1	364.1	364.9	365.8	366.5	367.0	367.4	367.9	368.4	368.3	368.2
115°	421.8	422.3	422.7	423.2	423.4	423.2	423.1	422.9	422.7	423.1	423.4
117.5°	475.1	475.8	476.5	477.2	477.7	478.1	478.4	478.8	479.2	479.1	479.0
120°	511.2	511.8	512.5	513.1	513.4	513.2	513.1	512.9	512.7	513.1	513.4
122.5°	544.4	544.8	545.2	545.6	545.9	546.2	546.4	546.6	546.9	547.1	547.3
125°	592.9	593.5	594.2	594.8	595.0	594.7	594.4	594.0	593.7	594.2	594.7
127.5°	637.9	638.1	638.2	638.4	638.9	639.6	640.5	641.2	642.0	641.9	641.8
130°	667.3	667.5	667.6	667.8	668.1	668.6	669.1	669.6	670.1	670.3	670.4
132.5°	694.5	694.8	695.0	695.3	695.8	696.4	697.1	697.7	698.3	698.5	698.6
135°	734.5	734.3	734.1	734.0	734.2	734.9	735.5	736.2	736.9	737.2	737.5
137.5°	770.5	770.6	770.6	770.7	771.1	771.8	772.5	773.4	774.1	774.4	774.8
140°	794.2	794.5	794.9	795.2	795.5	795.9	796.2	796.5	796.9	797.3	797.8
142.5°	815.5	816.1	816.6	817.2	817.6	817.8	818.0	818.2	818.4	818.8	819.2
145°	847.6	848.1	848.6	849.1	849.3	849.3	849.3	849.3	849.3	849.5	849.6
147.5°	873.6	874.5	875.5	876.5	876.8	876.7	876.5	876.3	876.2	876.3	876.4
150°	891.9	892.6	893.3	893.9	894.2	894.0	893.8	893.7	893.5	893.5	893.5
152.5°	907.4	908.0	908.5	909.0	909.1	908.8	908.6	908.3	908.0	908.2	908.5
155°	929.0	929.1	929.3	929.5	929.3	928.8	928.3	927.8	927.3	928.0	928.6
157.5°	947.2	947.1	947.0	946.8	946.4	945.9	945.3	944.7	944.2	945.0	945.9
160°	957.5	957.0	956.5	956.0	955.6	955.5	955.3	955.1	955.0	956.0	957.0
162.5°	966.9	966.3	965.7	965.0	964.6	964.5	964.3	964.1	964.0	965.0	966.0
165°	978.9	978.1	977.2	976.4	976.0	976.0	976.0	976.0	976.0	977.3	978.7
167.5°	988.5	987.6	986.7	985.8	985.4	985.3	985.2	985.1	985.0	986.4	988.0
170°	993.7	992.7	991.7	990.8	990.3	990.5	990.7	990.8	991.0	992.3	993.6
172.5°	997.3	996.3	995.3	994.3	993.9	994.1	994.2	994.4	994.6	995.9	997.2
175°	1001.2	1000.3	999.3	998.3	997.8	997.9	998.2	998.4	998.5	1000.0	1001.5
177.5°	1003.1	1002.2	1001.2	1000.3	1000.0	1000.3	1000.5	1000.8	1001.0	1002.1	1003.2
180°	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2



TEST NUMBER: P333039-840

CATALOG NUMBER: S124RDIW-S575D770U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	975.2	975.2	975.2	975.2	975.2	975.2	975.2
2.5°	1023.0	1024.3	1025.2	1028.3	1028.6	1031.5	1028.6
5°	1107.6	1113.2	1121.8	1130.4	1131.3	1136.7	1126.9
7.5°	1202.5	1215.3	1223.2	1237.2	1242.7	1246.2	1240.5
10°	1268.0	1279.7	1300.6	1310.8	1321.0	1322.5	1317.9
12.5°	1331.1	1349.8	1366.2	1385.6	1385.1	1399.0	1393.9
15°	1415.3	1434.5	1457.3	1478.9	1486.8	1486.8	1493.1
17.5°	1475.3	1510.7	1534.2	1551.2	1569.7	1573.0	1570.7
20°	1515.9	1554.0	1579.1	1601.1	1613.8	1617.3	1617.3
22.5°	1546.1	1578.5	1603.1	1622.9	1633.3	1637.4	1636.1
25°	1567.0	1594.9	1609.8	1615.7	1618.4	1617.6	1610.2
27.5°	1538.3	1537.1	1527.6	1509.5	1496.0	1487.7	1478.3
30°	1483.7	1463.2	1439.7	1413.7	1380.3	1354.7	1347.0
32.5°	1402.3	1356.3	1316.5	1273.2	1237.3	1211.7	1201.0
35°	1244.8	1172.0	1112.8	1060.9	1023.2	999.6	991.7
37.5°	1057.9	987.5	914.1	863.8	832.5	808.7	799.8
40°	939.1	862.4	798.4	751.2	719.0	695.9	695.5
42.5°	830.6	757.5	697.2	663.3	628.5	613.2	613.1
45°	680.1	621.6	570.5	543.8	523.0	510.4	506.9
47.5°	563.1	514.7	480.7	459.4	442.4	434.4	429.2
50°	497.5	455.0	427.9	409.4	400.0	389.8	389.0
52.5°	442.7	408.5	387.4	372.3	360.4	354.3	354.5
55°	372.1	345.0	330.0	318.6	309.2	304.5	302.6
57.5°	313.5	293.2	282.3	271.9	267.8	264.1	263.1
60°	277.0	263.3	253.1	244.8	238.9	237.7	237.3
62.5°	246.8	232.5	225.4	219.0	214.7	212.9	212.2
65°	203.5	192.9	186.6	181.6	180.0	177.2	176.8
67.5°	164.1	157.7	153.6	150.1	147.8	147.7	147.7
70°	139.9	136.3	132.8	130.9	129.7	128.9	128.9
72.5°	119.2	116.5	113.6	112.6	112.4	111.6	111.3
75°	90.8	88.1	88.4	86.4	84.8	82.9	81.7
77.5°	64.3	62.4	62.0	61.8	60.4	60.2	60.8
80°	49.9	48.0	47.6	48.0	47.6	46.4	46.4
82.5°	38.0	36.4	36.0	35.6	35.2	35.6	35.0
85°	20.4	19.7	19.7	19.7	20.4	20.0	19.7
87.5°	11.1	11.0	11.4	11.2	11.3	11.0	11.4
90°	19.5	20.5	21.1	21.5	21.8	22.1	22.5
92.5°	18.9	19.9	20.4	20.5	20.6	20.6	20.7
95°	19.5	20.5	21.1	21.2	21.4	21.6	21.7
97.5°	20.1	20.2	20.3	20.5	20.7	20.8	21.0
100°	24.4	21.6	20.3	20.5	20.7	20.8	21.0
102.5°	67.3	36.8	21.4	21.5	21.5	21.5	21.6
105°	238.3	239.8	237.6	231.7	225.6	219.6	213.7
107.5°	293.8	294.6	295.2	295.9	296.5	297.1	297.7
110°	331.5	331.9	332.3	332.9	333.4	333.9	334.4



TEST NUMBER: P333039-840

CATALOG NUMBER: S124RDIW-S575D770U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	368.2	368.1	368.4	369.0	369.6	370.3	370.9
115°	423.7	424.1	424.2	424.2	424.2	424.2	424.2
117.5°	479.0	478.9	478.8	478.8	478.7	478.6	478.6
120°	513.7	514.0	514.0	513.7	513.4	513.1	512.7
122.5°	547.5	547.8	547.6	547.3	546.9	546.6	546.3
125°	595.2	595.7	596.0	596.2	596.3	596.5	596.7
127.5°	641.7	641.6	641.5	641.4	641.2	641.1	641.0
130°	670.7	670.9	670.9	670.9	670.9	670.9	670.9
132.5°	698.8	699.0	699.0	698.9	698.7	698.6	698.5
135°	737.9	738.2	738.5	738.8	739.2	739.5	739.8
137.5°	775.2	775.5	775.7	775.6	775.5	775.4	775.3
140°	798.3	798.8	799.2	799.3	799.5	799.7	799.8
142.5°	819.5	819.9	820.1	820.1	820.1	820.2	820.2
145°	849.8	850.0	850.2	850.5	850.9	851.2	851.5
147.5°	876.6	876.7	876.9	877.0	877.2	877.4	877.5
150°	893.5	893.5	893.6	893.8	893.9	894.1	894.2
152.5°	908.7	909.0	909.1	909.0	908.9	908.8	908.7
155°	929.3	929.9	930.0	929.5	929.0	928.5	928.1
157.5°	946.8	947.7	947.7	946.8	945.9	945.0	944.2
160°	958.0	959.0	959.0	958.0	957.0	956.0	955.0
162.5°	966.9	968.0	968.0	966.8	965.6	964.5	963.4
165°	980.0	981.3	981.3	979.8	978.3	976.7	975.2
167.5°	989.4	990.9	990.8	989.1	987.4	985.7	984.1
170°	995.0	996.3	996.1	994.5	992.8	991.2	989.5
172.5°	998.6	999.9	999.7	997.8	996.1	994.3	992.5
175°	1003.0	1004.5	1004.2	1002.2	1000.3	998.3	996.2
177.5°	1004.2	1005.3	1005.0	1003.4	1001.8	1000.3	998.7
180°	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2

(END OF REPORT)