

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: P333223-830

Luminaire Tested: **S125DIP-S850D810U830-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333223-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S850D810U830-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 810 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6309.3 lumens
Efficiency: N/A
Efficacy: 137.5 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

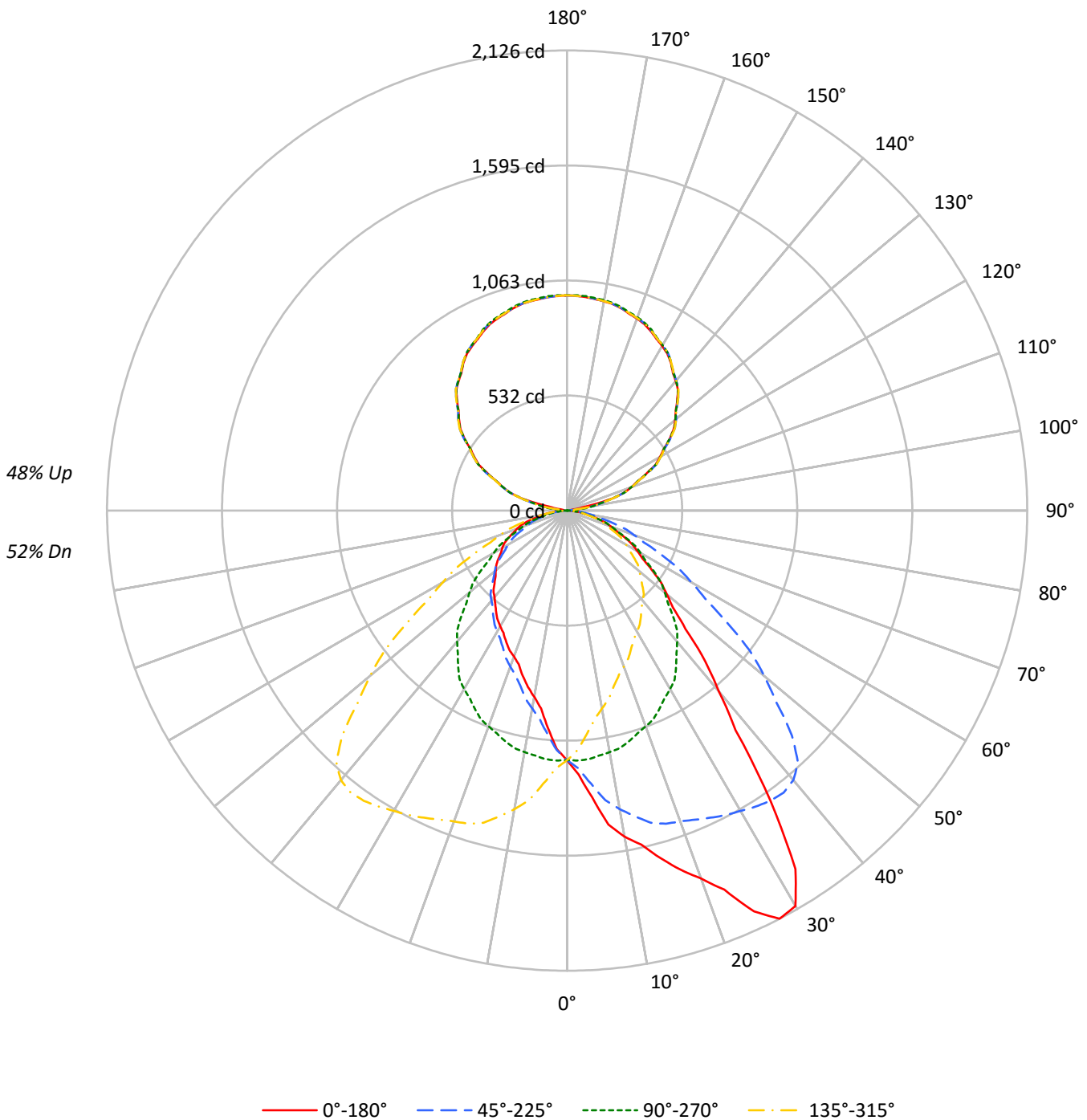
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333223-830

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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	50	30	10	50	30	10	50	30	10	0																			
RCR																																														
0	108	108	108	108	99	99	99	99	84	84	84	70	70	70	58	58	58	52																												
1	98	94	90	87	91	87	84	81	74	72	70	62	61	59	51	50	49	44																												
2	90	82	76	71	83	76	71	67	65	61	58	55	52	50	45	43	42	37																												
3	82	73	65	60	76	67	61	56	58	53	49	49	45	42	40	38	36	32																												
4	75	64	57	51	69	60	53	48	51	46	42	44	40	36	36	33	31	27																												
5	69	57	49	43	64	53	46	41	46	40	36	39	35	32	33	29	27	24																												
6	64	52	43	38	59	48	41	36	42	36	32	35	31	28	30	26	24	21																												
7	59	47	39	33	54	43	36	31	38	32	28	32	28	24	27	24	21	19																												
8	55	42	35	29	50	40	33	28	34	29	25	29	25	22	25	21	19	17																												
9	51	39	31	26	47	36	29	25	31	26	22	27	23	20	23	20	17	15																												
10	47	35	28	23	44	33	27	22	29	24	20	25	21	18	21	18	16	14																												

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7447	7447	7447	7447
5°	8624	7472	6543	7472
10°	10033	7433	5732	7433
15°	11106	7379	5288	7379
20°	12432	7292	4931	7292
25°	14564	7195	4757	7195
30°	15731	7099	4606	7099
35°	12934	6918	4507	6918
40°	9193	6668	4398	6668
45°	7063	6330	4337	6330
50°	6028	5910	4326	5910
55°	5368	5499	4365	5499
60°	4841	5052	4476	5052
65°	4473	4600	4592	4600
70°	4067	4132	4658	4132
75°	3591	3638	4616	3638
80°	3020	2964	4225	2964
85°	2393	2134	3409	2134



TEST NUMBER: P333223-830

CATALOG NUMBER: S125DIP-S850D810U830-4F0-1E-UDD-A

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.0	1.8
10°-20°	330.5	5.2
20°-30°	536.7	8.5
30°-40°	654.6	10.4
40°-50°	595.5	9.4
50°-60°	474.4	7.5
60°-70°	330.4	5.2
70°-80°	176.2	2.8
80°-90°	46.5	0.7
90°-100°	36.1	0.6
100°-110°	222.7	3.5
110°-120°	403.9	6.4
120°-130°	518.4	8.2
130°-140°	557.5	8.8
140°-150°	523.3	8.3
150°-160°	423.3	6.7
160°-170°	273.8	4.3
170°-180°	94.4	1.5
0°-30°	978.2	15.5
0°-40°	1632.8	25.9
0°-60°	2702.7	42.8
0°-90°	3255.8	51.6
90°-120°	662.7	10.5
90°-150°	2262.0	35.9
90°-180°	3054.0	48.4
0°-180°	6309.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1153	1153	1153	1153	1153	
5°	1330	1152	1009	1152	1330	134
15°	1661	1104	791	1104	1661	476
25°	2044	1010	668	1010	2044	934
35°	1640	878	572	878	1640	1004
45°	773	693	475	693	773	619
55°	477	488	388	488	477	429
65°	293	301	300	301	293	290
75°	144	146	185	146	144	155
85°	32	29	46	29	32	38
90°	18	1	18	1	18	9
95°	16	42	16	42	16	13
105°	219	217	219	217	219	198
115°	404	407	404	407	404	401
125°	579	579	579	579	579	515
135°	719	722	719	722	719	555
145°	834	837	834	837	834	521
155°	915	921	915	921	915	422
165°	967	972	967	972	967	273
175°	990	994	990	994	990	94
180°	994	994	994	994	994	



TEST NUMBER: P333223-830

CATALOG NUMBER: S125DIP-S850D810U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1
2.5°	1219.7	1218.0	1216.5	1213.3	1215.7	1209.1	1205.9	1200.4	1193.8	1191.5	1188.7
5°	1330.2	1332.7	1335.1	1324.8	1325.9	1319.0	1303.3	1290.6	1280.3	1267.2	1257.8
7.5°	1463.4	1457.5	1457.1	1450.5	1439.0	1429.8	1413.3	1392.4	1372.2	1349.1	1329.9
10°	1529.9	1530.4	1526.0	1518.2	1506.0	1497.1	1475.6	1455.0	1430.1	1400.7	1379.7
12.5°	1580.1	1582.1	1576.5	1565.9	1560.0	1540.2	1523.3	1498.9	1469.2	1445.8	1413.7
15°	1661.1	1655.7	1651.8	1638.6	1628.3	1607.8	1580.8	1555.4	1523.1	1493.2	1463.4
17.5°	1739.2	1743.5	1736.2	1724.1	1692.2	1668.2	1632.1	1597.2	1557.1	1517.0	1481.4
20°	1808.9	1812.8	1801.6	1780.6	1742.4	1718.3	1670.8	1625.9	1579.3	1528.0	1488.8
22.5°	1895.8	1892.7	1877.5	1845.5	1812.4	1768.1	1716.7	1661.9	1603.6	1545.6	1493.6
25°	2043.8	2023.3	2013.9	1974.3	1930.8	1865.7	1795.2	1715.0	1642.5	1565.7	1499.1
27.5°	2125.8	2119.4	2109.0	2081.4	2035.6	1966.0	1882.9	1785.1	1682.9	1585.9	1498.8
30°	2109.4	2110.4	2111.4	2102.5	2073.2	2020.8	1938.2	1832.9	1711.5	1602.3	1501.6
32.5°	1963.8	1981.6	1998.6	2018.7	2026.9	2016.9	1965.1	1870.1	1745.2	1621.2	1500.0
35°	1640.5	1646.0	1701.2	1756.1	1830.4	1888.2	1926.8	1884.8	1779.5	1637.1	1498.1
37.5°	1279.1	1305.6	1343.9	1405.8	1513.2	1609.3	1733.0	1789.8	1755.9	1642.3	1494.7
40°	1090.4	1114.9	1139.8	1203.0	1293.5	1410.0	1550.5	1670.4	1698.3	1625.9	1482.9
42.5°	944.8	964.1	991.8	1039.3	1115.0	1218.1	1352.4	1509.1	1605.5	1578.1	1458.3
45°	773.3	785.5	807.1	844.7	899.6	980.3	1098.7	1270.1	1419.3	1468.8	1399.8
47.5°	661.9	661.8	678.5	704.6	744.1	812.8	900.3	1034.5	1194.0	1311.9	1306.5
50°	600.0	597.6	610.8	633.3	664.6	710.1	793.8	901.0	1054.2	1187.8	1225.0
52.5°	546.8	547.1	555.2	571.8	598.0	637.0	699.5	796.1	927.0	1064.1	1134.2
55°	476.7	474.8	484.0	495.3	514.3	539.8	584.8	658.7	765.0	900.0	991.1
57.5°	412.5	417.8	421.6	429.4	445.3	462.3	500.3	554.5	638.8	754.7	850.9
60°	374.8	380.3	383.2	391.1	403.8	418.5	447.8	491.9	562.8	662.7	758.1
62.5°	341.2	345.4	346.4	353.5	363.8	378.1	401.2	438.2	494.3	581.6	675.1
65°	292.7	292.7	294.6	302.0	306.9	319.6	337.2	364.1	409.2	477.2	556.9
67.5°	245.9	248.3	247.7	251.0	255.5	265.3	278.0	300.2	333.6	383.2	447.0
70°	215.4	217.3	216.8	219.2	224.1	230.5	240.8	261.8	285.8	328.4	383.2
72.5°	187.9	188.7	187.5	190.7	193.6	199.2	210.7	221.9	244.3	280.2	325.3
75°	143.9	144.9	145.8	147.8	150.7	153.6	159.6	170.8	185.5	212.4	241.3
77.5°	107.8	106.0	108.4	108.1	109.7	112.0	117.2	123.1	135.2	152.2	174.6
80°	81.2	81.7	81.7	82.2	84.6	86.1	90.6	94.9	104.2	117.0	132.6
82.5°	59.3	60.6	59.9	60.7	62.8	63.8	66.3	69.8	75.3	85.3	96.6
85°	32.3	29.9	30.8	31.9	31.9	32.3	34.2	35.7	38.6	42.6	46.9
87.5°	12.9	13.7	13.9	13.9	14.1	13.9	15.4	15.2	16.2	17.2	18.6
90°	17.7	17.2	16.7	16.2	15.7	15.1	14.2	13.5	12.6	11.8	10.7
92.5°	16.5	16.3	16.0	15.8	15.6	15.1	14.2	13.5	12.6	11.8	10.7
95°	15.5	15.5	15.5	15.5	15.5	15.1	14.2	13.5	12.6	11.8	18.0
97.5°	15.5	15.5	15.5	15.5	15.5	17.8	22.4	27.1	31.7	36.3	48.5
100°	15.5	16.1	16.8	17.4	18.1	30.6	55.0	79.5	103.9	128.3	127.6
102.5°	92.7	103.9	115.0	126.1	137.3	145.2	149.8	154.4	159.0	163.6	163.2
105°	219.0	219.0	219.2	219.4	219.6	219.6	219.6	219.6	219.6	219.6	219.6
107.5°	276.0	276.4	276.9	277.5	278.0	278.1	278.1	278.1	278.1	278.1	277.7
110°	315.5	315.3	315.2	315.0	314.8	315.0	315.5	315.9	316.5	317.0	316.6



TEST NUMBER: P333223-830

CATALOG NUMBER: S125DIP-S850D810U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	350.9	351.1	351.3	351.6	351.8	352.2	352.8	353.5	354.1	354.7	354.5
115°	404.0	404.9	405.9	406.9	407.8	408.7	409.3	410.0	410.7	411.3	411.1
117.5°	460.5	461.0	461.4	461.8	462.2	462.9	463.7	464.6	465.4	466.3	465.7
120°	495.3	496.2	497.0	497.8	498.6	499.2	499.5	499.8	500.2	500.5	500.0
122.5°	528.4	529.3	530.3	531.2	532.2	532.8	533.1	533.5	533.8	534.1	533.9
125°	578.6	579.1	579.6	580.1	580.6	581.2	581.8	582.5	583.2	583.8	583.8
127.5°	620.9	622.2	623.4	624.6	625.8	626.6	627.0	627.3	627.6	628.0	628.1
130°	651.6	652.4	653.3	654.0	654.9	655.5	656.0	656.5	657.0	657.5	657.3
132.5°	680.0	680.7	681.6	682.4	683.2	683.6	683.7	683.8	683.9	684.0	684.4
135°	718.7	719.6	720.7	721.6	722.6	723.3	723.6	724.0	724.2	724.6	724.9
137.5°	757.6	758.5	759.3	760.2	761.0	761.4	761.3	761.3	761.2	761.1	761.5
140°	780.6	781.6	782.6	783.5	784.6	784.9	784.6	784.2	783.9	783.5	783.7
142.5°	802.4	803.4	804.4	805.4	806.3	806.8	806.7	806.7	806.6	806.5	806.3
145°	834.4	835.4	836.4	837.4	838.3	838.8	838.6	838.4	838.3	838.1	838.1
147.5°	860.8	862.0	863.2	864.3	865.5	866.0	865.8	865.6	865.4	865.3	865.1
150°	877.9	879.2	880.5	881.8	883.2	883.6	883.4	883.0	882.7	882.3	882.0
152.5°	893.8	895.0	896.2	897.4	898.5	899.0	898.6	898.3	898.0	897.7	897.3
155°	914.7	916.1	917.4	918.7	920.0	920.4	919.9	919.5	918.9	918.4	918.1
157.5°	932.3	933.6	934.9	936.2	937.5	937.9	937.5	936.9	936.3	935.9	935.8
160°	943.5	944.8	946.1	947.4	948.8	949.0	948.4	947.7	947.1	946.4	946.3
162.5°	953.6	955.0	956.4	957.8	959.3	959.5	958.7	957.7	956.8	955.9	955.7
165°	967.0	968.4	969.7	971.0	972.3	972.5	971.5	970.5	969.6	968.6	968.4
167.5°	976.6	978.0	979.5	980.9	982.4	982.6	981.4	980.2	979.0	977.9	977.7
170°	981.8	983.3	984.8	986.3	987.7	987.8	986.5	985.1	983.9	982.6	982.4
172.5°	985.3	986.8	988.4	989.8	991.3	991.5	990.2	989.0	987.9	986.7	986.4
175°	990.0	991.5	992.9	994.4	995.8	995.9	994.6	993.3	992.0	990.7	990.5
177.5°	992.6	993.6	994.7	995.7	996.8	996.8	995.9	995.0	994.1	993.2	993.1
180°	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4



TEST NUMBER: P333223-830

CATALOG NUMBER: S125DIP-S850D810U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1
2.5°	1186.4	1183.6	1180.4	1175.0	1168.4	1164.8	1159.3	1155.8	1148.8	1142.9	1136.6
5°	1246.5	1233.8	1222.1	1206.9	1190.2	1179.5	1166.8	1152.5	1137.9	1122.8	1106.1
7.5°	1308.9	1286.4	1261.9	1235.6	1209.8	1186.2	1163.6	1141.3	1120.6	1095.5	1074.3
10°	1350.8	1322.4	1292.0	1256.3	1221.6	1191.3	1160.5	1133.5	1106.1	1076.8	1050.7
12.5°	1392.7	1354.9	1312.0	1272.8	1231.0	1194.4	1158.1	1123.7	1089.3	1056.8	1026.5
15°	1422.3	1388.9	1349.3	1293.5	1246.5	1196.2	1148.2	1103.6	1062.1	1025.9	987.7
17.5°	1441.7	1398.8	1356.3	1302.8	1241.1	1184.8	1130.5	1079.5	1032.6	986.7	949.9
20°	1445.3	1401.2	1356.7	1304.3	1241.1	1176.6	1122.3	1061.0	1010.7	963.2	918.1
22.5°	1444.1	1394.2	1345.7	1291.8	1230.2	1170.7	1105.0	1042.6	988.0	941.2	894.3
25°	1433.0	1379.7	1319.0	1264.7	1204.0	1140.9	1074.3	1009.7	953.9	900.5	854.0
27.5°	1423.8	1354.6	1285.9	1222.6	1163.9	1106.1	1042.4	976.2	914.4	860.3	816.4
30°	1412.5	1336.6	1259.2	1193.2	1133.0	1076.8	1016.5	952.0	887.3	834.4	787.5
32.5°	1402.3	1313.9	1232.3	1160.4	1096.6	1041.9	986.4	924.9	861.5	807.9	760.8
35°	1382.6	1280.3	1186.8	1105.6	1037.6	981.3	934.8	877.5	819.3	767.4	722.4
37.5°	1357.6	1236.2	1136.0	1050.7	976.2	916.9	873.6	829.6	773.7	723.8	683.1
40°	1338.0	1204.9	1098.7	1011.6	934.3	872.6	832.5	790.9	744.4	698.0	654.9
42.5°	1313.4	1176.8	1061.2	967.4	890.8	830.8	788.6	753.3	712.3	668.9	629.0
45°	1268.1	1125.7	1000.4	899.6	822.2	763.0	719.4	693.1	662.2	621.0	587.3
47.5°	1201.5	1064.3	934.7	830.7	750.8	696.0	655.2	629.8	608.0	577.5	546.9
50°	1142.3	1018.5	887.3	784.0	704.3	648.9	611.3	588.2	569.7	546.2	520.3
52.5°	1076.1	960.9	840.7	738.7	659.7	605.1	568.3	548.0	532.5	515.7	490.1
55°	971.0	873.2	761.6	664.6	591.7	538.4	506.1	488.4	475.7	463.0	447.3
57.5°	855.2	778.6	679.8	591.3	524.1	475.5	445.4	428.2	418.4	411.8	402.6
60°	773.7	708.2	623.0	542.2	476.7	433.7	404.3	391.1	382.8	377.3	370.5
62.5°	698.2	644.4	565.4	491.7	434.4	393.7	367.5	354.7	346.7	344.0	338.4
65°	586.8	545.3	480.1	419.0	370.0	335.3	313.2	301.0	296.1	293.1	293.7
67.5°	477.1	451.8	399.4	347.3	308.2	279.1	261.5	252.0	249.6	245.7	245.6
70°	410.1	391.1	347.0	301.5	266.7	244.2	228.6	218.8	216.3	214.3	213.9
72.5°	351.0	334.3	296.1	259.6	228.4	208.6	195.7	189.8	185.8	184.6	184.5
75°	263.8	254.5	224.1	195.3	173.7	160.0	151.3	145.8	142.9	142.4	142.9
77.5°	187.6	179.5	160.1	139.7	126.1	115.7	108.3	106.4	103.1	103.2	102.6
80°	140.9	135.5	123.4	107.2	96.0	87.1	83.2	79.7	78.8	77.3	78.8
82.5°	102.2	96.4	88.1	77.9	68.5	63.2	59.3	58.2	57.7	56.9	57.3
85°	50.4	50.9	46.0	38.2	34.2	31.3	28.8	28.8	28.4	27.9	28.4
87.5°	19.1	18.1	16.3	14.9	12.7	11.2	10.6	10.7	9.8	9.7	10.4
90°	9.5	8.4	7.2	5.9	4.7	3.4	2.1	0.8	2.1	3.4	4.7
92.5°	9.8	8.8	7.7	7.7	8.6	9.5	10.5	11.3	10.5	9.5	8.6
95°	24.2	30.4	36.7	40.1	40.5	41.0	41.6	42.0	41.6	41.0	40.5
97.5°	60.9	73.2	85.6	91.2	90.4	89.4	88.6	87.8	88.6	89.4	90.4
100°	127.0	126.3	125.6	125.1	124.6	124.0	123.6	123.1	123.6	124.0	124.6
102.5°	162.9	162.5	162.0	161.6	160.9	160.3	159.7	159.1	159.7	160.3	160.9
105°	219.6	219.6	219.6	219.3	218.7	218.0	217.4	216.7	217.4	218.0	218.7
107.5°	277.4	277.0	276.7	276.5	276.5	276.5	276.5	276.5	276.5	276.5	276.5
110°	316.3	315.9	315.7	315.5	315.5	315.5	315.5	315.5	315.5	315.5	315.5



TEST NUMBER: P333223-830

CATALOG NUMBER: S125DIP-S850D810U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	354.3	354.1	353.9	353.6	353.3	352.8	352.4	352.0	352.4	352.8	353.3
115°	410.9	410.9	410.7	410.2	409.3	408.5	407.7	406.9	407.7	408.5	409.3
117.5°	465.1	464.4	463.8	463.5	463.5	463.5	463.6	463.6	463.6	463.5	463.5
120°	499.5	499.0	498.5	498.3	498.5	498.7	498.9	499.0	498.9	498.7	498.5
122.5°	533.7	533.4	533.2	532.7	532.2	531.5	530.9	530.3	530.9	531.5	532.2
125°	583.8	583.8	583.8	583.2	582.1	580.9	579.8	578.6	579.8	580.9	582.1
127.5°	628.2	628.3	628.4	628.0	627.3	626.4	625.6	624.8	625.6	626.4	627.3
130°	657.1	657.0	656.9	656.4	655.5	654.7	653.9	653.1	653.9	654.7	655.5
132.5°	684.8	685.1	685.5	685.2	684.2	683.2	682.3	681.4	682.3	683.2	684.2
135°	725.2	725.6	725.9	725.6	724.6	723.6	722.6	721.6	722.6	723.6	724.6
137.5°	761.8	762.0	762.3	762.0	761.2	760.3	759.5	758.7	759.5	760.3	761.2
140°	783.9	784.0	784.2	784.1	783.8	783.4	783.2	782.8	783.2	783.4	783.8
142.5°	806.1	805.9	805.6	805.4	805.2	805.0	804.8	804.6	804.8	805.0	805.2
145°	838.1	838.1	838.1	837.9	837.6	837.3	837.0	836.6	837.0	837.3	837.6
147.5°	864.8	864.6	864.4	864.4	864.4	864.5	864.6	864.6	864.6	864.5	864.4
150°	881.7	881.4	881.0	881.0	881.4	881.7	882.0	882.3	882.0	881.7	881.4
152.5°	897.0	896.6	896.4	896.5	897.3	898.0	898.7	899.5	898.7	898.0	897.3
155°	917.8	917.5	917.1	917.5	918.4	919.5	920.4	921.4	920.4	919.5	918.4
157.5°	935.8	935.8	935.7	935.9	936.6	937.2	937.7	938.3	937.7	937.2	936.6
160°	946.1	945.9	945.8	946.2	947.2	948.2	949.1	950.2	949.1	948.2	947.2
162.5°	955.5	955.4	955.3	955.6	956.6	957.6	958.6	959.6	958.6	957.6	956.6
165°	968.3	968.1	967.9	968.3	969.3	970.3	971.3	972.2	971.3	970.3	969.3
167.5°	977.5	977.3	977.2	977.6	978.6	979.7	980.7	981.7	980.7	979.7	978.6
170°	982.2	982.0	981.9	982.4	983.5	984.7	985.8	987.0	985.8	984.7	983.5
172.5°	986.1	985.8	985.5	985.9	987.1	988.3	989.4	990.5	989.4	988.3	987.1
175°	990.3	990.1	990.0	990.4	991.5	992.4	993.3	994.4	993.3	992.4	991.5
177.5°	992.9	992.8	992.7	993.0	993.8	994.6	995.3	996.2	995.3	994.6	993.8
180°	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4



TEST NUMBER: P333223-830

CATALOG NUMBER: S125DIP-S850D810U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1
2.5°	1133.1	1128.8	1125.3	1117.5	1113.1	1107.3	1102.6	1107.7	1102.2	1104.6	1101.0
5°	1097.8	1084.1	1074.3	1060.1	1047.8	1036.6	1028.3	1026.8	1022.8	1021.0	1015.0
7.5°	1055.3	1038.1	1021.3	1002.8	987.0	971.1	960.9	952.5	947.0	939.6	934.6
10°	1030.2	1007.2	987.7	965.2	945.6	928.4	914.7	907.9	901.5	892.2	888.8
12.5°	999.3	975.5	951.6	927.6	908.8	889.7	877.9	867.5	863.2	852.6	851.6
15°	962.2	926.5	903.0	878.5	852.5	836.9	827.1	815.9	811.0	803.6	798.2
17.5°	917.9	886.1	856.7	831.3	809.1	795.9	783.7	776.0	767.6	762.8	754.0
20°	885.9	855.5	826.1	799.2	782.1	766.9	757.1	749.8	741.0	738.6	729.7
22.5°	858.8	825.4	797.2	774.6	755.8	738.8	728.1	723.2	717.1	709.5	707.8
25°	814.9	780.1	756.2	733.7	717.0	701.3	694.0	687.7	681.7	676.4	674.4
27.5°	776.9	745.8	717.4	697.0	682.6	668.3	661.8	654.0	649.8	645.5	640.2
30°	750.3	718.5	693.5	673.9	658.3	645.5	638.7	633.3	629.4	625.5	622.5
32.5°	722.8	693.4	669.2	650.1	634.4	624.8	618.7	614.9	610.6	605.9	602.2
35°	686.6	654.3	630.8	614.3	602.0	594.7	587.8	584.4	579.5	579.5	575.5
37.5°	645.8	617.9	597.2	582.0	571.1	564.5	557.0	554.7	551.6	549.5	548.2
40°	621.6	595.6	576.1	560.9	549.1	543.8	537.9	534.0	532.0	529.5	528.6
42.5°	596.5	571.7	553.0	538.9	528.8	524.1	518.7	515.9	512.0	508.8	508.2
45°	558.5	534.4	517.4	506.1	497.3	491.9	488.4	482.6	480.6	476.7	476.2
47.5°	522.3	499.3	482.5	473.3	465.5	461.1	455.7	449.9	447.6	445.6	445.4
50°	495.3	474.3	458.5	449.8	442.4	436.1	430.6	426.8	425.3	425.3	426.3
52.5°	467.9	450.0	436.7	425.9	419.0	412.2	407.2	404.8	402.6	404.9	406.7
55°	427.7	409.6	399.8	389.6	382.8	374.8	372.5	371.5	370.0	373.9	375.9
57.5°	385.3	372.6	361.1	350.9	344.8	340.3	337.0	336.3	339.0	340.9	347.3
60°	358.3	343.6	333.3	325.5	318.1	315.2	314.2	313.2	315.2	320.6	328.9
62.5°	328.5	316.6	305.5	299.6	294.3	289.4	289.2	289.7	293.7	299.8	308.1
65°	284.8	274.6	267.2	260.3	256.0	253.1	254.0	256.0	260.3	268.7	278.0
67.5°	240.5	233.5	226.9	221.3	217.1	217.1	218.1	221.0	226.2	235.8	244.3
70°	211.9	204.1	198.7	196.2	192.8	190.9	193.8	198.7	203.1	211.9	219.2
72.5°	183.3	176.7	172.5	170.8	169.4	167.8	168.7	174.0	180.0	188.8	197.4
75°	140.9	138.5	135.5	133.7	132.1	133.1	134.1	139.0	143.9	153.2	163.0
77.5°	102.8	100.3	98.6	98.1	97.3	97.7	100.6	104.2	109.0	115.7	123.1
80°	77.9	76.8	75.9	75.4	75.4	75.9	79.7	82.2	86.6	93.0	98.9
82.5°	56.6	56.1	55.9	55.8	56.2	56.3	58.6	61.8	65.5	70.3	75.4
85°	29.9	28.8	30.3	30.8	29.9	31.3	32.3	34.2	35.7	38.2	40.6
87.5°	11.0	12.0	11.9	12.4	12.7	13.7	13.5	15.2	16.1	17.2	16.9
90°	5.9	7.2	8.4	9.5	10.7	11.8	12.6	13.5	14.2	15.1	15.7
92.5°	7.7	7.7	8.8	9.8	10.7	11.8	12.6	13.5	14.2	15.1	15.6
95°	40.1	36.7	30.4	24.2	18.0	11.8	12.6	13.5	14.2	15.1	15.5
97.5°	91.2	85.6	73.2	60.9	48.5	36.3	31.7	27.1	22.4	17.8	15.5
100°	125.1	125.6	126.3	127.0	127.6	128.3	103.9	79.5	55.0	30.6	18.1
102.5°	161.6	162.0	162.5	162.9	163.2	163.6	159.0	154.4	149.8	145.2	137.3
105°	219.3	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6
107.5°	276.5	276.7	277.0	277.4	277.7	278.1	278.1	278.1	278.1	278.1	278.0
110°	315.5	315.7	315.9	316.3	316.6	317.0	316.5	315.9	315.5	315.0	314.8



TEST NUMBER: P333223-830

CATALOG NUMBER: S125DIP-S850D810U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	353.6	353.9	354.1	354.3	354.5	354.7	354.1	353.5	352.8	352.2	351.8
115°	410.2	410.7	410.9	410.9	411.1	411.3	410.7	410.0	409.3	408.7	407.8
117.5°	463.5	463.8	464.4	465.1	465.7	466.3	465.4	464.6	463.7	462.9	462.2
120°	498.3	498.5	499.0	499.5	500.0	500.5	500.2	499.8	499.5	499.2	498.6
122.5°	532.7	533.2	533.4	533.7	533.9	534.1	533.8	533.5	533.1	532.8	532.2
125°	583.2	583.8	583.8	583.8	583.8	583.8	583.2	582.5	581.8	581.2	580.6
127.5°	628.0	628.4	628.3	628.2	628.1	628.0	627.6	627.3	627.0	626.6	625.8
130°	656.4	656.9	657.0	657.1	657.3	657.5	657.0	656.5	656.0	655.5	654.9
132.5°	685.2	685.5	685.1	684.8	684.4	684.0	683.9	683.8	683.7	683.6	683.2
135°	725.6	725.9	725.6	725.2	724.9	724.6	724.2	724.0	723.6	723.3	722.6
137.5°	762.0	762.3	762.0	761.8	761.5	761.1	761.2	761.3	761.3	761.4	761.0
140°	784.1	784.2	784.0	783.9	783.7	783.5	783.9	784.2	784.6	784.9	784.6
142.5°	805.4	805.6	805.9	806.1	806.3	806.5	806.6	806.7	806.7	806.8	806.3
145°	837.9	838.1	838.1	838.1	838.1	838.1	838.3	838.4	838.6	838.8	838.3
147.5°	864.4	864.4	864.6	864.8	865.1	865.3	865.4	865.6	865.8	866.0	865.5
150°	881.0	881.0	881.4	881.7	882.0	882.3	882.7	883.0	883.4	883.6	883.2
152.5°	896.5	896.4	896.6	897.0	897.3	897.7	898.0	898.3	898.6	899.0	898.5
155°	917.5	917.1	917.5	917.8	918.1	918.4	918.9	919.5	919.9	920.4	920.0
157.5°	935.9	935.7	935.8	935.8	935.8	935.9	936.3	936.9	937.5	937.9	937.5
160°	946.2	945.8	945.9	946.1	946.3	946.4	947.1	947.7	948.4	949.0	948.8
162.5°	955.6	955.3	955.4	955.5	955.7	955.9	956.8	957.7	958.7	959.5	959.3
165°	968.3	967.9	968.1	968.3	968.4	968.6	969.6	970.5	971.5	972.5	972.3
167.5°	977.6	977.2	977.3	977.5	977.7	977.9	979.0	980.2	981.4	982.6	982.4
170°	982.4	981.9	982.0	982.2	982.4	982.6	983.9	985.1	986.5	987.8	987.7
172.5°	985.9	985.5	985.8	986.1	986.4	986.7	987.9	989.0	990.2	991.5	991.3
175°	990.4	990.0	990.1	990.3	990.5	990.7	992.0	993.3	994.6	995.9	995.8
177.5°	993.0	992.7	992.8	992.9	993.1	993.2	994.1	995.0	995.9	996.8	996.8
180°	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4



TEST NUMBER: P333223-830

CATALOG NUMBER: S125DIP-S850D810U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1
2.5°	1098.6	1101.4	1099.0	1102.2	1099.0	1101.4	1098.6	1101.0	1104.6	1102.2	1107.7
5°	1012.6	1008.2	1011.2	1009.2	1011.2	1008.2	1012.6	1015.0	1021.0	1022.8	1026.8
7.5°	933.1	928.9	924.2	921.9	924.2	928.9	933.1	934.6	939.6	947.0	952.5
10°	883.4	878.0	877.5	874.1	877.5	878.0	883.4	888.8	892.2	901.5	907.9
12.5°	847.0	842.0	836.4	835.0	836.4	842.0	847.0	851.6	852.6	863.2	867.5
15°	795.3	791.4	788.0	790.9	788.0	791.4	795.3	798.2	803.6	811.0	815.9
17.5°	752.3	749.1	748.5	744.9	748.5	749.1	752.3	754.0	762.8	767.6	776.0
20°	725.3	722.8	723.9	717.5	723.9	722.8	725.3	729.7	738.6	741.0	749.8
22.5°	703.8	699.0	698.4	697.1	698.4	699.0	703.8	707.8	709.5	717.1	723.2
25°	670.1	667.6	665.2	667.6	665.2	667.6	670.1	674.4	676.4	681.7	687.7
27.5°	640.6	637.6	637.0	637.3	637.0	637.6	640.6	640.2	645.5	649.8	654.0
30°	622.5	617.6	618.1	617.6	618.1	617.6	622.5	622.5	625.5	629.4	633.3
32.5°	602.9	599.6	599.0	598.0	599.0	599.6	602.9	602.2	605.9	610.6	614.9
35°	574.1	574.1	571.7	571.7	571.7	574.1	574.1	575.5	579.5	579.5	584.4
37.5°	547.0	546.5	545.0	545.3	545.0	546.5	547.0	548.2	549.5	551.6	554.7
40°	526.6	526.1	524.6	521.7	524.6	526.1	526.6	528.6	529.5	532.0	534.0
42.5°	507.0	505.4	504.7	503.7	504.7	505.4	507.0	508.2	508.8	512.0	515.9
45°	476.2	476.2	475.2	474.8	475.2	476.2	476.2	476.2	476.7	480.6	482.6
47.5°	446.3	447.1	449.0	448.7	449.0	447.1	446.3	445.4	445.6	447.6	449.9
50°	428.2	428.8	430.2	430.6	430.2	428.8	428.2	426.3	425.3	425.3	426.8
52.5°	408.3	411.1	412.9	412.6	412.9	411.1	408.3	406.7	404.9	402.6	404.8
55°	380.3	383.7	387.1	387.7	387.1	383.7	380.3	375.9	373.9	370.0	371.5
57.5°	352.6	357.4	361.0	362.1	361.0	357.4	352.6	347.3	340.9	339.0	336.3
60°	333.8	340.2	344.6	346.5	344.6	340.2	333.8	328.9	320.6	315.2	313.2
62.5°	315.8	322.9	327.3	327.7	327.3	322.9	315.8	308.1	299.8	293.7	289.7
65°	286.3	293.7	297.6	300.5	297.6	293.7	286.3	278.0	268.7	260.3	256.0
67.5°	254.6	261.9	266.3	268.6	266.3	261.9	254.6	244.3	235.8	226.2	221.0
70°	231.5	238.8	244.7	246.7	244.7	238.8	231.5	219.2	211.9	203.1	198.7
72.5°	208.8	215.4	220.1	222.3	220.1	215.4	208.8	197.4	188.8	180.0	174.0
75°	169.4	178.1	182.6	185.0	182.6	178.1	169.4	163.0	153.2	143.9	139.0
77.5°	130.5	138.6	141.3	142.5	141.3	138.6	130.5	123.1	115.7	109.0	104.2
80°	104.7	109.6	113.0	113.6	113.0	109.6	104.7	98.9	93.0	86.6	82.2
82.5°	80.5	84.5	85.7	86.9	85.7	84.5	80.5	75.4	70.3	65.5	61.8
85°	44.0	46.0	46.5	46.0	46.5	46.0	44.0	40.6	38.2	35.7	34.2
87.5°	17.7	17.4	17.5	18.4	17.5	17.4	17.7	16.9	17.2	16.1	15.2
90°	16.2	16.7	17.2	17.7	17.2	16.7	16.2	15.7	15.1	14.2	13.5
92.5°	15.8	16.0	16.3	16.5	16.3	16.0	15.8	15.6	15.1	14.2	13.5
95°	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.1	14.2	13.5
97.5°	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	17.8	22.4	27.1
100°	17.4	16.8	16.1	15.5	16.1	16.8	17.4	18.1	30.6	55.0	79.5
102.5°	126.1	115.0	103.9	92.7	103.9	115.0	126.1	137.3	145.2	149.8	154.4
105°	219.4	219.2	219.0	219.0	219.0	219.2	219.4	219.6	219.6	219.6	219.6
107.5°	277.5	276.9	276.4	276.0	276.4	276.9	277.5	278.0	278.1	278.1	278.1
110°	315.0	315.2	315.3	315.5	315.3	315.2	315.0	314.8	315.0	315.5	315.9



TEST NUMBER: P333223-830

CATALOG NUMBER: S125DIP-S850D810U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	351.6	351.3	351.1	350.9	351.1	351.3	351.6	351.8	352.2	352.8	353.5
115°	406.9	405.9	404.9	404.0	404.9	405.9	406.9	407.8	408.7	409.3	410.0
117.5°	461.8	461.4	461.0	460.5	461.0	461.4	461.8	462.2	462.9	463.7	464.6
120°	497.8	497.0	496.2	495.3	496.2	497.0	497.8	498.6	499.2	499.5	499.8
122.5°	531.2	530.3	529.3	528.4	529.3	530.3	531.2	532.2	532.8	533.1	533.5
125°	580.1	579.6	579.1	578.6	579.1	579.6	580.1	580.6	581.2	581.8	582.5
127.5°	624.6	623.4	622.2	620.9	622.2	623.4	624.6	625.8	626.6	627.0	627.3
130°	654.0	653.3	652.4	651.6	652.4	653.3	654.0	654.9	655.5	656.0	656.5
132.5°	682.4	681.6	680.7	680.0	680.7	681.6	682.4	683.2	683.6	683.7	683.8
135°	721.6	720.7	719.6	718.7	719.6	720.7	721.6	722.6	723.3	723.6	724.0
137.5°	760.2	759.3	758.5	757.6	758.5	759.3	760.2	761.0	761.4	761.3	761.3
140°	783.5	782.6	781.6	780.6	781.6	782.6	783.5	784.6	784.9	784.6	784.2
142.5°	805.4	804.4	803.4	802.4	803.4	804.4	805.4	806.3	806.8	806.7	806.7
145°	837.4	836.4	835.4	834.4	835.4	836.4	837.4	838.3	838.8	838.6	838.4
147.5°	864.3	863.2	862.0	860.8	862.0	863.2	864.3	865.5	866.0	865.8	865.6
150°	881.8	880.5	879.2	877.9	879.2	880.5	881.8	883.2	883.6	883.4	883.0
152.5°	897.4	896.2	895.0	893.8	895.0	896.2	897.4	898.5	899.0	898.6	898.3
155°	918.7	917.4	916.1	914.7	916.1	917.4	918.7	920.0	920.4	919.9	919.5
157.5°	936.2	934.9	933.6	932.3	933.6	934.9	936.2	937.5	937.9	937.5	936.9
160°	947.4	946.1	944.8	943.5	944.8	946.1	947.4	948.8	949.0	948.4	947.7
162.5°	957.8	956.4	955.0	953.6	955.0	956.4	957.8	959.3	959.5	958.7	957.7
165°	971.0	969.7	968.4	967.0	968.4	969.7	971.0	972.3	972.5	971.5	970.5
167.5°	980.9	979.5	978.0	976.6	978.0	979.5	980.9	982.4	982.6	981.4	980.2
170°	986.3	984.8	983.3	981.8	983.3	984.8	986.3	987.7	987.8	986.5	985.1
172.5°	989.8	988.4	986.8	985.3	986.8	988.4	989.8	991.3	991.5	990.2	989.0
175°	994.4	992.9	991.5	990.0	991.5	992.9	994.4	995.8	995.9	994.6	993.3
177.5°	995.7	994.7	993.6	992.6	993.6	994.7	995.7	996.8	996.8	995.9	995.0
180°	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4



TEST NUMBER: P333223-830

CATALOG NUMBER: S125DIP-S850D810U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1
2.5°	1102.6	1107.3	1113.1	1117.5	1125.3	1128.8	1133.1	1136.6	1142.9	1148.8	1155.8
5°	1028.3	1036.6	1047.8	1060.1	1074.3	1084.1	1097.8	1106.1	1122.8	1137.9	1152.5
7.5°	960.9	971.1	987.0	1002.8	1021.3	1038.1	1055.3	1074.3	1095.5	1120.6	1141.3
10°	914.7	928.4	945.6	965.2	987.7	1007.2	1030.2	1050.7	1076.8	1106.1	1133.5
12.5°	877.9	889.7	908.8	927.6	951.6	975.5	999.3	1026.5	1056.8	1089.3	1123.7
15°	827.1	836.9	852.5	878.5	903.0	926.5	962.2	987.7	1025.9	1062.1	1103.6
17.5°	783.7	795.9	809.1	831.3	856.7	886.1	917.9	949.9	986.7	1032.6	1079.5
20°	757.1	766.9	782.1	799.2	826.1	855.5	885.9	918.1	963.2	1010.7	1061.0
22.5°	728.1	738.8	755.8	774.6	797.2	825.4	858.8	894.3	941.2	988.0	1042.6
25°	694.0	701.3	717.0	733.7	756.2	780.1	814.9	854.0	900.5	953.9	1009.7
27.5°	661.8	668.3	682.6	697.0	717.4	745.8	776.9	816.4	860.3	914.4	976.2
30°	638.7	645.5	658.3	673.9	693.5	718.5	750.3	787.5	834.4	887.3	952.0
32.5°	618.7	624.8	634.4	650.1	669.2	693.4	722.8	760.8	807.9	861.5	924.9
35°	587.8	594.7	602.0	614.3	630.8	654.3	686.6	722.4	767.4	819.3	877.5
37.5°	557.0	564.5	571.1	582.0	597.2	617.9	645.8	683.1	723.8	773.7	829.6
40°	537.9	543.8	549.1	560.9	576.1	595.6	621.6	654.9	698.0	744.4	790.9
42.5°	518.7	524.1	528.8	538.9	553.0	571.7	596.5	629.0	668.9	712.3	753.3
45°	488.4	491.9	497.3	506.1	517.4	534.4	558.5	587.3	621.0	662.2	693.1
47.5°	455.7	461.1	465.5	473.3	482.5	499.3	522.3	546.9	577.5	608.0	629.8
50°	430.6	436.1	442.4	449.8	458.5	474.3	495.3	520.3	546.2	569.7	588.2
52.5°	407.2	412.2	419.0	425.9	436.7	450.0	467.9	490.1	515.7	532.5	548.0
55°	372.5	374.8	382.8	389.6	399.8	409.6	427.7	447.3	463.0	475.7	488.4
57.5°	337.0	340.3	344.8	350.9	361.1	372.6	385.3	402.6	411.8	418.4	428.2
60°	314.2	315.2	318.1	325.5	333.3	343.6	358.3	370.5	377.3	382.8	391.1
62.5°	289.2	289.4	294.3	299.6	305.5	316.6	328.5	338.4	344.0	346.7	354.7
65°	254.0	253.1	256.0	260.3	267.2	274.6	284.8	293.7	293.1	296.1	301.0
67.5°	218.1	217.1	217.1	221.3	226.9	233.5	240.5	245.6	245.7	249.6	252.0
70°	193.8	190.9	192.8	196.2	198.7	204.1	211.9	213.9	214.3	216.3	218.8
72.5°	168.7	167.8	169.4	170.8	172.5	176.7	183.3	184.5	184.6	185.8	189.8
75°	134.1	133.1	132.1	133.7	135.5	138.5	140.9	142.9	142.4	142.9	145.8
77.5°	100.6	97.7	97.3	98.1	98.6	100.3	102.8	102.6	103.2	103.1	106.4
80°	79.7	75.9	75.4	75.4	75.9	76.8	77.9	78.8	77.3	78.8	79.7
82.5°	58.6	56.3	56.2	55.8	55.9	56.1	56.6	57.3	56.9	57.7	58.2
85°	32.3	31.3	29.9	30.8	30.3	28.8	29.9	28.4	27.9	28.4	28.8
87.5°	13.5	13.7	12.7	12.4	11.9	12.0	11.0	10.4	9.7	9.8	10.7
90°	12.6	11.8	10.7	9.5	8.4	7.2	5.9	4.7	3.4	2.1	0.8
92.5°	12.6	11.8	10.7	9.8	8.8	7.7	7.7	8.6	9.5	10.5	11.3
95°	12.6	11.8	18.0	24.2	30.4	36.7	40.1	40.5	41.0	41.6	42.0
97.5°	31.7	36.3	48.5	60.9	73.2	85.6	91.2	90.4	89.4	88.6	87.8
100°	103.9	128.3	127.6	127.0	126.3	125.6	125.1	124.6	124.0	123.6	123.1
102.5°	159.0	163.6	163.2	162.9	162.5	162.0	161.6	160.9	160.3	159.7	159.1
105°	219.6	219.6	219.6	219.6	219.6	219.6	219.3	218.7	218.0	217.4	216.7
107.5°	278.1	278.1	277.7	277.4	277.0	276.7	276.5	276.5	276.5	276.5	276.5
110°	316.5	317.0	316.6	316.3	315.9	315.7	315.5	315.5	315.5	315.5	315.5



TEST NUMBER: P333223-830

CATALOG NUMBER: S125DIP-S850D810U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	354.1	354.7	354.5	354.3	354.1	353.9	353.6	353.3	352.8	352.4	352.0
115°	410.7	411.3	411.1	410.9	410.9	410.7	410.2	409.3	408.5	407.7	406.9
117.5°	465.4	466.3	465.7	465.1	464.4	463.8	463.5	463.5	463.5	463.6	463.6
120°	500.2	500.5	500.0	499.5	499.0	498.5	498.3	498.5	498.7	498.9	499.0
122.5°	533.8	534.1	533.9	533.7	533.4	533.2	532.7	532.2	531.5	530.9	530.3
125°	583.2	583.8	583.8	583.8	583.8	583.8	583.2	582.1	580.9	579.8	578.6
127.5°	627.6	628.0	628.1	628.2	628.3	628.4	628.0	627.3	626.4	625.6	624.8
130°	657.0	657.5	657.3	657.1	657.0	656.9	656.4	655.5	654.7	653.9	653.1
132.5°	683.9	684.0	684.4	684.8	685.1	685.5	685.2	684.2	683.2	682.3	681.4
135°	724.2	724.6	724.9	725.2	725.6	725.9	725.6	724.6	723.6	722.6	721.6
137.5°	761.2	761.1	761.5	761.8	762.0	762.3	762.0	761.2	760.3	759.5	758.7
140°	783.9	783.5	783.7	783.9	784.0	784.2	784.1	783.8	783.4	783.2	782.8
142.5°	806.6	806.5	806.3	806.1	805.9	805.6	805.4	805.2	805.0	804.8	804.6
145°	838.3	838.1	838.1	838.1	838.1	838.1	837.9	837.6	837.3	837.0	836.6
147.5°	865.4	865.3	865.1	864.8	864.6	864.4	864.4	864.4	864.5	864.6	864.6
150°	882.7	882.3	882.0	881.7	881.4	881.0	881.0	881.4	881.7	882.0	882.3
152.5°	898.0	897.7	897.3	897.0	896.6	896.4	896.5	897.3	898.0	898.7	899.5
155°	918.9	918.4	918.1	917.8	917.5	917.1	917.5	918.4	919.5	920.4	921.4
157.5°	936.3	935.9	935.8	935.8	935.8	935.7	935.9	936.6	937.2	937.7	938.3
160°	947.1	946.4	946.3	946.1	945.9	945.8	946.2	947.2	948.2	949.1	950.2
162.5°	956.8	955.9	955.7	955.5	955.4	955.3	955.6	956.6	957.6	958.6	959.6
165°	969.6	968.6	968.4	968.3	968.1	967.9	968.3	969.3	970.3	971.3	972.2
167.5°	979.0	977.9	977.7	977.5	977.3	977.2	977.6	978.6	979.7	980.7	981.7
170°	983.9	982.6	982.4	982.2	982.0	981.9	982.4	983.5	984.7	985.8	987.0
172.5°	987.9	986.7	986.4	986.1	985.8	985.5	985.9	987.1	988.3	989.4	990.5
175°	992.0	990.7	990.5	990.3	990.1	990.0	990.4	991.5	992.4	993.3	994.4
177.5°	994.1	993.2	993.1	992.9	992.8	992.7	993.0	993.8	994.6	995.3	996.2
180°	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4



TEST NUMBER: P333223-830

CATALOG NUMBER: S125DIP-S850D810U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1
2.5°	1159.3	1164.8	1168.4	1175.0	1180.4	1183.6	1186.4	1188.7	1191.5	1193.8	1200.4
5°	1166.8	1179.5	1190.2	1206.9	1222.1	1233.8	1246.5	1257.8	1267.2	1280.3	1290.6
7.5°	1163.6	1186.2	1209.8	1235.6	1261.9	1286.4	1308.9	1329.9	1349.1	1372.2	1392.4
10°	1160.5	1191.3	1221.6	1256.3	1292.0	1322.4	1350.8	1379.7	1400.7	1430.1	1455.0
12.5°	1158.1	1194.4	1231.0	1272.8	1312.0	1354.9	1392.7	1413.7	1445.8	1469.2	1498.9
15°	1148.2	1196.2	1246.5	1293.5	1349.3	1388.9	1422.3	1463.4	1493.2	1523.1	1555.4
17.5°	1130.5	1184.8	1241.1	1302.8	1356.3	1398.8	1441.7	1481.4	1517.0	1557.1	1597.2
20°	1122.3	1176.6	1241.1	1304.3	1356.7	1401.2	1445.3	1488.8	1528.0	1579.3	1625.9
22.5°	1105.0	1170.7	1230.2	1291.8	1345.7	1394.2	1444.1	1493.6	1545.6	1603.6	1661.9
25°	1074.3	1140.9	1204.0	1264.7	1319.0	1379.7	1433.0	1499.1	1565.7	1642.5	1715.0
27.5°	1042.4	1106.1	1163.9	1222.6	1285.9	1354.6	1423.8	1498.8	1585.9	1682.9	1785.1
30°	1016.5	1076.8	1133.0	1193.2	1259.2	1336.6	1412.5	1501.6	1602.3	1711.5	1832.9
32.5°	986.4	1041.9	1096.6	1160.4	1232.3	1313.9	1402.3	1500.0	1621.2	1745.2	1870.1
35°	934.8	981.3	1037.6	1105.6	1186.8	1280.3	1382.6	1498.1	1637.1	1779.5	1884.8
37.5°	873.6	916.9	976.2	1050.7	1136.0	1236.2	1357.6	1494.7	1642.3	1755.9	1789.8
40°	832.5	872.6	934.3	1011.6	1098.7	1204.9	1338.0	1482.9	1625.9	1698.3	1670.4
42.5°	788.6	830.8	890.8	967.4	1061.2	1176.8	1313.4	1458.3	1578.1	1605.5	1509.1
45°	719.4	763.0	822.2	899.6	1000.4	1125.7	1268.1	1399.8	1468.8	1419.3	1270.1
47.5°	655.2	696.0	750.8	830.7	934.7	1064.3	1201.5	1306.5	1311.9	1194.0	1034.5
50°	611.3	648.9	704.3	784.0	887.3	1018.5	1142.3	1225.0	1187.8	1054.2	901.0
52.5°	568.3	605.1	659.7	738.7	840.7	960.9	1076.1	1134.2	1064.1	927.0	796.1
55°	506.1	538.4	591.7	664.6	761.6	873.2	971.0	991.1	900.0	765.0	658.7
57.5°	445.4	475.5	524.1	591.3	679.8	778.6	855.2	850.9	754.7	638.8	554.5
60°	404.3	433.7	476.7	542.2	623.0	708.2	773.7	758.1	662.7	562.8	491.9
62.5°	367.5	393.7	434.4	491.7	565.4	644.4	698.2	675.1	581.6	494.3	438.2
65°	313.2	335.3	370.0	419.0	480.1	545.3	586.8	556.9	477.2	409.2	364.1
67.5°	261.5	279.1	308.2	347.3	399.4	451.8	477.1	447.0	383.2	333.6	300.2
70°	228.6	244.2	266.7	301.5	347.0	391.1	410.1	383.2	328.4	285.8	261.8
72.5°	195.7	208.6	228.4	259.6	296.1	334.3	351.0	325.3	280.2	244.3	221.9
75°	151.3	160.0	173.7	195.3	224.1	254.5	263.8	241.3	212.4	185.5	170.8
77.5°	108.3	115.7	126.1	139.7	160.1	179.5	187.6	174.6	152.2	135.2	123.1
80°	83.2	87.1	96.0	107.2	123.4	135.5	140.9	132.6	117.0	104.2	94.9
82.5°	59.3	63.2	68.5	77.9	88.1	96.4	102.2	96.6	85.3	75.3	69.8
85°	28.8	31.3	34.2	38.2	46.0	50.9	50.4	46.9	42.6	38.6	35.7
87.5°	10.6	11.2	12.7	14.9	16.3	18.1	19.1	18.6	17.2	16.2	15.2
90°	2.1	3.4	4.7	5.9	7.2	8.4	9.5	10.7	11.8	12.6	13.5
92.5°	10.5	9.5	8.6	7.7	7.7	8.8	9.8	10.7	11.8	12.6	13.5
95°	41.6	41.0	40.5	40.1	36.7	30.4	24.2	18.0	11.8	12.6	13.5
97.5°	88.6	89.4	90.4	91.2	85.6	73.2	60.9	48.5	36.3	31.7	27.1
100°	123.6	124.0	124.6	125.1	125.6	126.3	127.0	127.6	128.3	103.9	79.5
102.5°	159.7	160.3	160.9	161.6	162.0	162.5	162.9	163.2	163.6	159.0	154.4
105°	217.4	218.0	218.7	219.3	219.6	219.6	219.6	219.6	219.6	219.6	219.6
107.5°	276.5	276.5	276.5	276.5	276.7	277.0	277.4	277.7	278.1	278.1	278.1
110°	315.5	315.5	315.5	315.5	315.7	315.9	316.3	316.6	317.0	316.5	315.9



TEST NUMBER: P333223-830

CATALOG NUMBER: S125DIP-S850D810U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	352.4	352.8	353.3	353.6	353.9	354.1	354.3	354.5	354.7	354.1	353.5
115°	407.7	408.5	409.3	410.2	410.7	410.9	410.9	411.1	411.3	410.7	410.0
117.5°	463.6	463.5	463.5	463.5	463.8	464.4	465.1	465.7	466.3	465.4	464.6
120°	498.9	498.7	498.5	498.3	498.5	499.0	499.5	500.0	500.5	500.2	499.8
122.5°	530.9	531.5	532.2	532.7	533.2	533.4	533.7	533.9	534.1	533.8	533.5
125°	579.8	580.9	582.1	583.2	583.8	583.8	583.8	583.8	583.8	583.2	582.5
127.5°	625.6	626.4	627.3	628.0	628.4	628.3	628.2	628.1	628.0	627.6	627.3
130°	653.9	654.7	655.5	656.4	656.9	657.0	657.1	657.3	657.5	657.0	656.5
132.5°	682.3	683.2	684.2	685.2	685.5	685.1	684.8	684.4	684.0	683.9	683.8
135°	722.6	723.6	724.6	725.6	725.9	725.6	725.2	724.9	724.6	724.2	724.0
137.5°	759.5	760.3	761.2	762.0	762.3	762.0	761.8	761.5	761.1	761.2	761.3
140°	783.2	783.4	783.8	784.1	784.2	784.0	783.9	783.7	783.5	783.9	784.2
142.5°	804.8	805.0	805.2	805.4	805.6	805.9	806.1	806.3	806.5	806.6	806.7
145°	837.0	837.3	837.6	837.9	838.1	838.1	838.1	838.1	838.1	838.3	838.4
147.5°	864.6	864.5	864.4	864.4	864.4	864.6	864.8	865.1	865.3	865.4	865.6
150°	882.0	881.7	881.4	881.0	881.0	881.4	881.7	882.0	882.3	882.7	883.0
152.5°	898.7	898.0	897.3	896.5	896.4	896.6	897.0	897.3	897.7	898.0	898.3
155°	920.4	919.5	918.4	917.5	917.1	917.5	917.8	918.1	918.4	918.9	919.5
157.5°	937.7	937.2	936.6	935.9	935.7	935.8	935.8	935.8	935.9	936.3	936.9
160°	949.1	948.2	947.2	946.2	945.8	945.9	946.1	946.3	946.4	947.1	947.7
162.5°	958.6	957.6	956.6	955.6	955.3	955.4	955.5	955.7	955.9	956.8	957.7
165°	971.3	970.3	969.3	968.3	967.9	968.1	968.3	968.4	968.6	969.6	970.5
167.5°	980.7	979.7	978.6	977.6	977.2	977.3	977.5	977.7	977.9	979.0	980.2
170°	985.8	984.7	983.5	982.4	981.9	982.0	982.2	982.4	982.6	983.9	985.1
172.5°	989.4	988.3	987.1	985.9	985.5	985.8	986.1	986.4	986.7	987.9	989.0
175°	993.3	992.4	991.5	990.4	990.0	990.1	990.3	990.5	990.7	992.0	993.3
177.5°	995.3	994.6	993.8	993.0	992.7	992.8	992.9	993.1	993.2	994.1	995.0
180°	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4



TEST NUMBER: P333223-830

CATALOG NUMBER: S125DIP-S850D810U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1
2.5°	1205.9	1209.1	1215.7	1213.3	1216.5	1218.0	1219.7
5°	1303.3	1319.0	1325.9	1324.8	1335.1	1332.7	1330.2
7.5°	1413.3	1429.8	1439.0	1450.5	1457.1	1457.5	1463.4
10°	1475.6	1497.1	1506.0	1518.2	1526.0	1530.4	1529.9
12.5°	1523.3	1540.2	1560.0	1565.9	1576.5	1582.1	1580.1
15°	1580.8	1607.8	1628.3	1638.6	1651.8	1655.7	1661.1
17.5°	1632.1	1668.2	1692.2	1724.1	1736.2	1743.5	1739.2
20°	1670.8	1718.3	1742.4	1780.6	1801.6	1812.8	1808.9
22.5°	1716.7	1768.1	1812.4	1845.5	1877.5	1892.7	1895.8
25°	1795.2	1865.7	1930.8	1974.3	2013.9	2023.3	2043.8
27.5°	1882.9	1966.0	2035.6	2081.4	2109.0	2119.4	2125.8
30°	1938.2	2020.8	2073.2	2102.5	2111.4	2110.4	2109.4
32.5°	1965.1	2016.9	2026.9	2018.7	1998.6	1981.6	1963.8
35°	1926.8	1888.2	1830.4	1756.1	1701.2	1646.0	1640.5
37.5°	1733.0	1609.3	1513.2	1405.8	1343.9	1305.6	1279.1
40°	1550.5	1410.0	1293.5	1203.0	1139.8	1114.9	1090.4
42.5°	1352.4	1218.1	1115.0	1039.3	991.8	964.1	944.8
45°	1098.7	980.3	899.6	844.7	807.1	785.5	773.3
47.5°	900.3	812.8	744.1	704.6	678.5	661.8	661.9
50°	793.8	710.1	664.6	633.3	610.8	597.6	600.0
52.5°	699.5	637.0	598.0	571.8	555.2	547.1	546.8
55°	584.8	539.8	514.3	495.3	484.0	474.8	476.7
57.5°	500.3	462.3	445.3	429.4	421.6	417.8	412.5
60°	447.8	418.5	403.8	391.1	383.2	380.3	374.8
62.5°	401.2	378.1	363.8	353.5	346.4	345.4	341.2
65°	337.2	319.6	306.9	302.0	294.6	292.7	292.7
67.5°	278.0	265.3	255.5	251.0	247.7	248.3	245.9
70°	240.8	230.5	224.1	219.2	216.8	217.3	215.4
72.5°	210.7	199.2	193.6	190.7	187.5	188.7	187.9
75°	159.6	153.6	150.7	147.8	145.8	144.9	143.9
77.5°	117.2	112.0	109.7	108.1	108.4	106.0	107.8
80°	90.6	86.1	84.6	82.2	81.7	81.7	81.2
82.5°	66.3	63.8	62.8	60.7	59.9	60.6	59.3
85°	34.2	32.3	31.9	31.9	30.8	29.9	32.3
87.5°	15.4	13.9	14.1	13.9	13.9	13.7	12.9
90°	14.2	15.1	15.7	16.2	16.7	17.2	17.7
92.5°	14.2	15.1	15.6	15.8	16.0	16.3	16.5
95°	14.2	15.1	15.5	15.5	15.5	15.5	15.5
97.5°	22.4	17.8	15.5	15.5	15.5	15.5	15.5
100°	55.0	30.6	18.1	17.4	16.8	16.1	15.5
102.5°	149.8	145.2	137.3	126.1	115.0	103.9	92.7
105°	219.6	219.6	219.6	219.4	219.2	219.0	219.0
107.5°	278.1	278.1	278.0	277.5	276.9	276.4	276.0
110°	315.5	315.0	314.8	315.0	315.2	315.3	315.5



TEST NUMBER: P333223-830

CATALOG NUMBER: S125DIP-S850D810U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	352.8	352.2	351.8	351.6	351.3	351.1	350.9
115°	409.3	408.7	407.8	406.9	405.9	404.9	404.0
117.5°	463.7	462.9	462.2	461.8	461.4	461.0	460.5
120°	499.5	499.2	498.6	497.8	497.0	496.2	495.3
122.5°	533.1	532.8	532.2	531.2	530.3	529.3	528.4
125°	581.8	581.2	580.6	580.1	579.6	579.1	578.6
127.5°	627.0	626.6	625.8	624.6	623.4	622.2	620.9
130°	656.0	655.5	654.9	654.0	653.3	652.4	651.6
132.5°	683.7	683.6	683.2	682.4	681.6	680.7	680.0
135°	723.6	723.3	722.6	721.6	720.7	719.6	718.7
137.5°	761.3	761.4	761.0	760.2	759.3	758.5	757.6
140°	784.6	784.9	784.6	783.5	782.6	781.6	780.6
142.5°	806.7	806.8	806.3	805.4	804.4	803.4	802.4
145°	838.6	838.8	838.3	837.4	836.4	835.4	834.4
147.5°	865.8	866.0	865.5	864.3	863.2	862.0	860.8
150°	883.4	883.6	883.2	881.8	880.5	879.2	877.9
152.5°	898.6	899.0	898.5	897.4	896.2	895.0	893.8
155°	919.9	920.4	920.0	918.7	917.4	916.1	914.7
157.5°	937.5	937.9	937.5	936.2	934.9	933.6	932.3
160°	948.4	949.0	948.8	947.4	946.1	944.8	943.5
162.5°	958.7	959.5	959.3	957.8	956.4	955.0	953.6
165°	971.5	972.5	972.3	971.0	969.7	968.4	967.0
167.5°	981.4	982.6	982.4	980.9	979.5	978.0	976.6
170°	986.5	987.8	987.7	986.3	984.8	983.3	981.8
172.5°	990.2	991.5	991.3	989.8	988.4	986.8	985.3
175°	994.6	995.9	995.8	994.4	992.9	991.5	990.0
177.5°	995.9	996.8	996.8	995.7	994.7	993.6	992.6
180°	994.4	994.4	994.4	994.4	994.4	994.4	994.4

(END OF REPORT)