

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: P333214-840

Luminaire Tested: **S125DIP-S850D590U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333214-840  
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-S850D590U840-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 590 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5874.6 lumens  
Efficiency: N/A  
Efficacy: 145.8 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

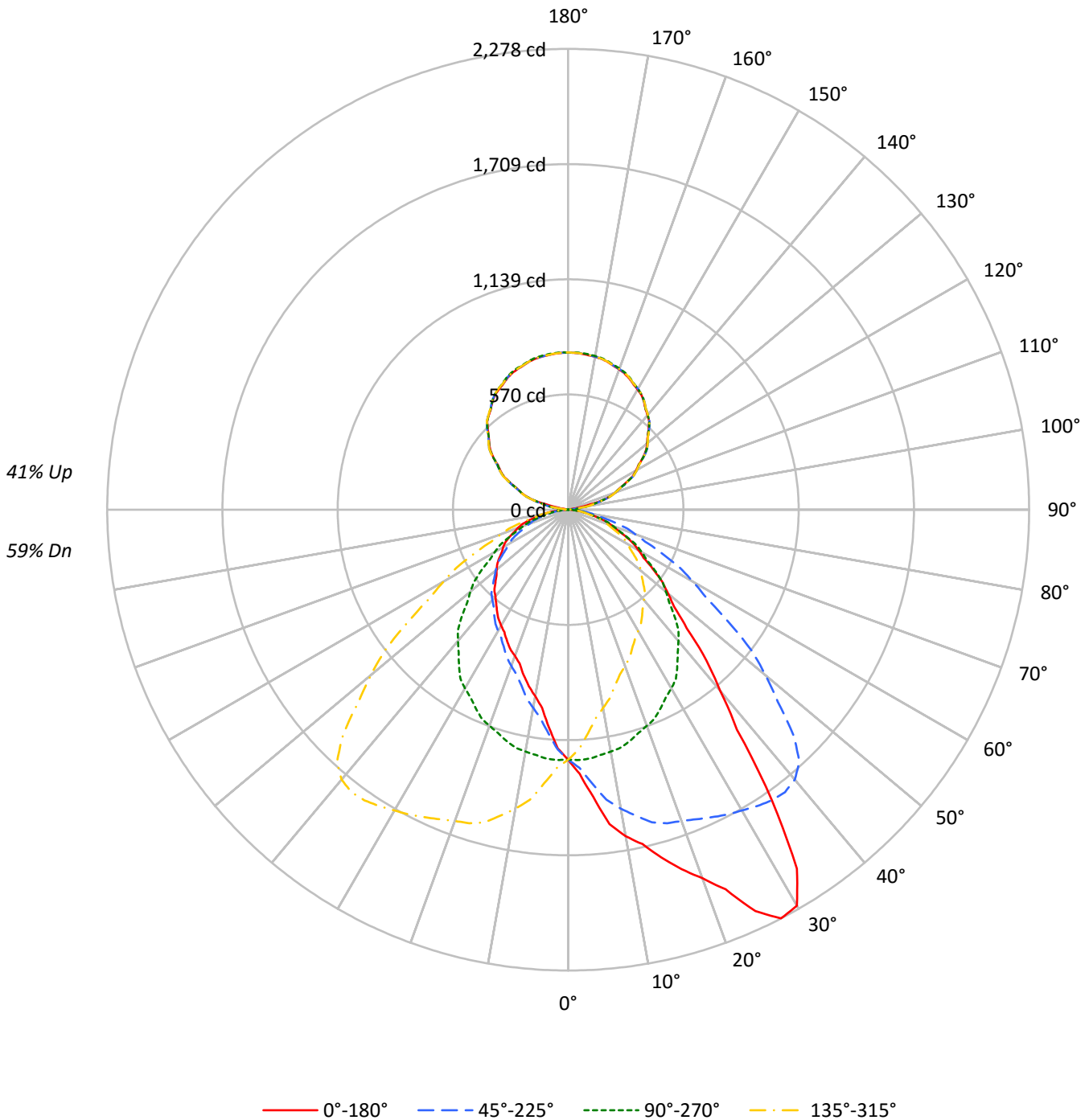
Input Watts (W): 40.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	89	89	89	76	76	76	65	65	65	59
1	100	96	92	89	93	90	86	83	78	76	73	67	66	64	58	56	55	51
2	91	84	78	73	85	79	73	69	69	65	61	60	57	54	51	49	47	43
3	84	74	67	61	78	69	63	58	61	56	52	53	49	46	45	43	40	36
4	77	66	58	52	71	62	55	49	54	49	44	47	43	39	41	37	35	31
5	70	59	50	44	65	55	48	42	49	43	38	42	38	34	37	33	30	27
6	65	53	45	39	60	50	42	37	44	38	33	38	34	30	33	30	27	24
7	60	48	40	34	56	45	38	33	40	34	30	35	30	27	30	27	24	21
8	56	43	35	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°	7979	7979	7979	7979
5°	9240	8006	7010	8006
10°	10750	7965	6142	7965
15°	11900	7906	5666	7906
20°	13320	7813	5283	7813
25°	15605	7709	5097	7709
30°	16855	7607	4935	7607
35°	13858	7413	4829	7413
40°	9850	7144	4713	7144
45°	7567	6783	4646	6783
50°	6459	6333	4636	6333
55°	5751	5892	4677	5892
60°	5187	5412	4795	5412
65°	4792	4927	4919	4927
70°	4358	4426	4991	4426
75°	3848	3898	4946	3898
80°	3239	3176	4526	3176
85°	2564	2290	3653	2290



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.9	2.0
10°-20°	354.1	6.0
20°-30°	575.0	9.8
30°-40°	701.4	11.9
40°-50°	638.1	10.9
50°-60°	508.2	8.7
60°-70°	354.0	6.0
70°-80°	188.8	3.2
80°-90°	49.3	0.8
90°-100°	28.3	0.5
100°-110°	174.1	3.0
110°-120°	315.7	5.4
120°-130°	405.2	6.9
130°-140°	435.8	7.4
140°-150°	409.1	7.0
150°-160°	330.9	5.6
160°-170°	214.0	3.6
170°-180°	73.8	1.3
0°-30°	1048.1	17.8
0°-40°	1749.5	29.8
0°-60°	2895.8	49.3
0°-90°	3487.8	59.4
90°-120°	518.0	8.8
90°-150°	1768.1	30.1
90°-180°	2387.0	40.6
0°-180°	5874.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1236	1236	1236	1236	1236	
5°	1425	1235	1081	1235	1425	144
15°	1780	1182	847	1182	1780	509
25°	2190	1082	715	1082	2190	1000
35°	1758	940	612	940	1758	1076
45°	828	743	509	743	828	663
55°	511	523	415	523	511	460
65°	314	322	322	322	314	311
75°	154	156	198	156	154	166
85°	35	31	49	31	35	40
90°	14	1	14	1	14	7
95°	12	33	12	33	12	10
105°	171	169	171	169	171	155
115°	316	318	316	318	316	313
125°	452	452	452	452	452	402
135°	562	564	562	564	562	434
145°	652	654	652	654	652	407
155°	715	720	715	720	715	330
165°	756	760	756	760	756	213
175°	774	777	774	777	774	74
180°	777	777	777	777	777	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1306.8	1305.0	1303.4	1300.0	1302.5	1295.5	1292.0	1286.2	1279.1	1276.6	1273.6
5°	1425.2	1427.8	1430.5	1419.5	1420.6	1413.2	1396.4	1382.8	1371.8	1357.7	1347.7
7.5°	1567.9	1561.7	1561.2	1554.1	1541.8	1532.0	1514.3	1491.9	1470.2	1445.4	1424.9
10°	1639.2	1639.7	1635.0	1626.6	1613.6	1604.1	1581.0	1558.9	1532.3	1500.8	1478.2
12.5°	1692.9	1695.1	1689.1	1677.8	1671.4	1650.2	1632.1	1606.0	1574.2	1549.0	1514.7
15°	1779.8	1773.9	1769.8	1755.7	1744.6	1722.6	1693.7	1666.5	1631.8	1599.8	1567.9
17.5°	1863.4	1868.0	1860.2	1847.2	1813.1	1787.4	1748.7	1711.3	1668.3	1625.4	1587.2
20°	1938.1	1942.3	1930.3	1907.7	1866.8	1841.1	1790.2	1742.0	1692.1	1637.1	1595.2
22.5°	2031.2	2027.9	2011.7	1977.3	1941.9	1894.4	1839.3	1780.6	1718.2	1656.0	1600.2
25°	2189.8	2167.8	2157.8	2115.4	2068.7	1998.9	1923.4	1837.4	1759.8	1677.5	1606.2
27.5°	2277.6	2270.8	2259.7	2230.1	2181.0	2106.5	2017.4	1912.6	1803.1	1699.2	1605.9
30°	2260.1	2261.1	2262.2	2252.7	2221.3	2165.2	2076.6	1963.8	1833.7	1716.8	1608.8
32.5°	2104.1	2123.1	2141.3	2162.9	2171.7	2161.0	2105.5	2003.7	1869.9	1737.0	1607.1
35°	1757.7	1763.5	1822.7	1881.5	1961.2	2023.1	2064.5	2019.4	1906.6	1754.0	1605.1
37.5°	1370.5	1398.9	1439.9	1506.2	1621.2	1724.2	1856.7	1917.6	1881.3	1759.6	1601.4
40°	1168.3	1194.6	1221.2	1288.9	1385.9	1510.8	1661.2	1789.7	1819.6	1742.0	1588.8
42.5°	1012.3	1033.0	1062.7	1113.6	1194.7	1305.1	1449.0	1616.9	1720.2	1690.8	1562.5
45°	828.5	841.6	864.7	905.0	963.8	1050.4	1177.2	1360.8	1520.7	1573.7	1499.8
47.5°	709.1	709.0	727.0	754.9	797.3	870.8	964.6	1108.4	1279.3	1405.6	1399.8
50°	642.9	640.3	654.4	678.5	712.1	760.8	850.5	965.3	1129.5	1272.6	1312.5
52.5°	585.8	586.1	594.8	612.7	640.8	682.5	749.4	852.9	993.2	1140.1	1215.2
55°	510.8	508.7	518.6	530.7	551.1	578.3	626.6	705.8	819.6	964.3	1061.9
57.5°	441.9	447.7	451.7	460.1	477.1	495.3	536.0	594.1	684.4	808.6	911.7
60°	401.6	407.5	410.6	419.0	432.6	448.4	479.8	527.0	603.0	710.0	812.2
62.5°	365.6	370.1	371.1	378.7	389.8	405.2	429.9	469.5	529.6	623.2	723.4
65°	313.6	313.6	315.7	323.6	328.8	342.4	361.3	390.1	438.4	511.3	596.7
67.5°	263.5	266.0	265.4	268.9	273.8	284.3	297.8	321.6	357.4	410.6	479.0
70°	230.8	232.8	232.3	234.9	240.1	247.0	258.0	280.5	306.2	351.8	410.6
72.5°	201.4	202.2	200.9	204.3	207.4	213.4	225.7	237.7	261.8	300.2	348.5
75°	154.2	155.2	156.2	158.3	161.5	164.6	171.0	183.0	198.7	227.6	258.5
77.5°	115.5	113.6	116.1	115.8	117.5	120.0	125.5	131.9	144.8	163.1	187.0
80°	87.1	87.6	87.6	88.1	90.7	92.3	97.0	101.7	111.7	125.3	142.1
82.5°	63.5	64.9	64.1	65.0	67.3	68.4	71.0	74.8	80.7	91.4	103.5
85°	34.6	32.0	33.0	34.1	34.1	34.6	36.7	38.3	41.4	45.6	50.3
87.5°	12.8	13.6	13.9	13.8	14.2	14.1	15.7	15.6	16.7	17.8	19.3
90°	13.8	13.4	13.0	12.7	12.3	11.8	11.1	10.5	9.9	9.2	8.3
92.5°	12.9	12.7	12.5	12.3	12.2	11.8	11.1	10.5	9.9	9.2	8.4
95°	12.1	12.1	12.1	12.1	12.1	11.8	11.1	10.5	9.9	9.2	14.0
97.5°	12.1	12.1	12.1	12.1	12.1	13.9	17.5	21.1	24.7	28.4	38.0
100°	12.1	12.6	13.1	13.6	14.1	23.9	43.0	62.1	81.2	100.3	99.8
102.5°	72.5	81.2	89.9	98.6	107.3	113.5	117.0	120.7	124.3	127.9	127.6
105°	171.1	171.3	171.4	171.5	171.7	171.7	171.7	171.7	171.7	171.7	171.7
107.5°	215.7	216.1	216.5	216.9	217.2	217.4	217.4	217.4	217.3	217.3	217.1
110°	246.6	246.5	246.3	246.2	246.1	246.2	246.6	247.0	247.4	247.7	247.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	274.3	274.5	274.6	274.8	275.0	275.3	275.8	276.3	276.8	277.2	277.1
115°	315.8	316.5	317.3	318.0	318.8	319.4	319.9	320.4	321.0	321.5	321.3
117.5°	360.0	360.3	360.6	361.0	361.3	361.8	362.4	363.1	363.9	364.5	364.0
120°	387.2	387.8	388.5	389.1	389.7	390.2	390.4	390.7	390.9	391.2	390.8
122.5°	413.0	413.7	414.4	415.3	416.0	416.5	416.8	417.0	417.3	417.5	417.3
125°	452.3	452.7	453.0	453.4	453.8	454.2	454.7	455.3	455.9	456.4	456.4
127.5°	485.3	486.4	487.3	488.2	489.2	489.8	490.1	490.3	490.6	490.9	491.0
130°	509.4	510.0	510.6	511.3	511.9	512.4	512.8	513.2	513.5	513.9	513.8
132.5°	531.5	532.1	532.7	533.4	534.0	534.4	534.4	534.5	534.6	534.7	534.9
135°	561.8	562.5	563.3	564.1	564.8	565.3	565.6	565.8	566.1	566.3	566.6
137.5°	592.2	592.9	593.5	594.2	594.8	595.1	595.1	595.0	595.0	594.9	595.2
140°	610.2	611.0	611.7	612.5	613.2	613.5	613.2	613.0	612.7	612.5	612.6
142.5°	627.2	627.9	628.7	629.5	630.3	630.7	630.6	630.6	630.5	630.5	630.3
145°	652.2	653.0	653.8	654.5	655.3	655.6	655.5	655.4	655.2	655.1	655.1
147.5°	672.9	673.8	674.7	675.6	676.5	676.9	676.8	676.6	676.5	676.3	676.1
150°	686.2	687.2	688.2	689.3	690.3	690.6	690.4	690.1	689.9	689.6	689.4
152.5°	698.6	699.5	700.5	701.5	702.4	702.7	702.5	702.2	702.0	701.7	701.4
155°	715.0	716.1	717.1	718.1	719.1	719.4	719.0	718.7	718.3	717.9	717.6
157.5°	728.7	729.7	730.7	731.8	732.9	733.2	732.8	732.4	732.0	731.5	731.4
160°	737.5	738.5	739.5	740.5	741.5	741.8	741.3	740.8	740.3	739.8	739.6
162.5°	745.3	746.5	747.6	748.7	749.8	750.0	749.3	748.6	747.9	747.2	747.0
165°	755.9	757.0	758.0	759.0	760.0	760.1	759.4	758.6	757.8	757.1	757.0
167.5°	763.3	764.5	765.6	766.8	767.9	768.0	767.1	766.2	765.3	764.4	764.2
170°	767.5	768.6	769.7	770.9	772.0	772.1	771.1	770.1	769.0	768.0	767.9
172.5°	770.2	771.3	772.5	773.7	774.9	775.0	774.1	773.1	772.1	771.2	771.0
175°	773.8	775.0	776.1	777.3	778.4	778.5	777.4	776.4	775.4	774.4	774.3
177.5°	775.9	776.7	777.5	778.3	779.1	779.2	778.5	777.8	777.1	776.3	776.2
180°	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1271.1	1268.2	1264.8	1258.9	1251.8	1248.0	1242.1	1238.4	1230.8	1224.6	1217.8
5°	1335.5	1321.9	1309.4	1293.1	1275.3	1263.7	1250.1	1234.9	1219.2	1203.0	1185.1
7.5°	1402.4	1378.3	1352.0	1323.8	1296.3	1270.9	1246.7	1222.8	1200.6	1173.8	1151.0
10°	1447.2	1416.8	1384.3	1346.0	1308.9	1276.4	1243.3	1214.5	1185.1	1153.7	1125.8
12.5°	1492.2	1451.7	1405.7	1363.7	1318.9	1279.7	1240.8	1204.0	1167.1	1132.3	1099.8
15°	1523.9	1488.1	1445.7	1385.9	1335.5	1281.6	1230.2	1182.5	1137.9	1099.1	1058.2
17.5°	1544.7	1498.7	1453.2	1395.8	1329.8	1269.4	1211.2	1156.6	1106.3	1057.1	1017.7
20°	1548.5	1501.3	1453.6	1397.5	1329.8	1260.6	1202.4	1136.8	1082.9	1032.0	983.7
22.5°	1547.2	1493.8	1441.8	1384.0	1318.1	1254.4	1184.0	1117.1	1058.5	1008.5	958.2
25°	1535.4	1478.2	1413.2	1355.0	1290.0	1222.3	1151.0	1081.8	1022.0	964.8	915.0
27.5°	1525.5	1451.4	1377.8	1309.9	1247.1	1185.1	1116.8	1045.9	979.7	921.7	874.7
30°	1513.4	1432.1	1349.2	1278.4	1214.0	1153.7	1089.1	1020.0	950.7	894.0	843.7
32.5°	1502.5	1407.8	1320.3	1243.2	1174.9	1116.3	1056.8	991.0	923.0	865.6	815.2
35°	1481.4	1371.8	1271.6	1184.6	1111.7	1051.4	1001.6	940.2	877.8	822.2	774.0
37.5°	1454.6	1324.5	1217.1	1125.8	1045.9	982.4	936.0	888.9	829.0	775.5	731.8
40°	1433.6	1291.0	1177.2	1083.9	1001.1	934.9	892.0	847.4	797.6	747.8	701.7
42.5°	1407.2	1260.8	1137.0	1036.5	954.4	890.1	845.0	807.1	763.2	716.7	673.9
45°	1358.7	1206.1	1071.9	963.8	880.9	817.5	770.8	742.6	709.5	665.4	629.2
47.5°	1287.3	1140.3	1001.5	890.0	804.5	745.7	702.0	674.8	651.5	618.7	585.9
50°	1223.9	1091.3	950.7	840.0	754.6	695.3	655.0	630.3	610.4	585.2	557.4
52.5°	1153.0	1029.6	900.8	791.4	706.8	648.3	608.8	587.1	570.6	552.5	525.1
55°	1040.4	935.5	816.0	712.1	634.0	576.8	542.2	523.3	509.7	496.0	479.3
57.5°	916.3	834.2	728.3	633.5	561.5	509.5	477.2	458.8	448.3	441.2	431.3
60°	829.0	758.8	667.5	581.0	510.8	464.6	433.1	419.0	410.1	404.2	397.0
62.5°	748.1	690.4	605.8	526.8	465.4	421.8	393.7	380.0	371.4	368.6	362.5
65°	628.7	584.2	514.4	448.9	396.5	359.2	335.6	322.4	317.2	314.1	314.7
67.5°	511.2	484.0	428.0	372.1	330.2	299.0	280.1	270.0	267.4	263.3	263.2
70°	439.4	419.0	371.8	323.1	285.8	261.7	244.9	234.4	231.8	229.6	229.1
72.5°	376.1	358.2	317.2	278.1	244.7	223.5	209.6	203.4	199.0	197.8	197.7
75°	282.7	272.7	240.1	209.2	186.1	171.5	162.1	156.2	153.1	152.6	153.1
77.5°	201.0	192.3	171.6	149.7	135.1	124.0	116.0	114.0	110.5	110.6	110.0
80°	151.0	145.2	132.2	114.8	102.8	93.3	89.2	85.4	84.4	82.8	84.4
82.5°	109.5	103.3	94.4	83.4	73.4	67.8	63.5	62.4	61.8	61.0	61.4
85°	54.0	54.5	49.3	40.9	36.7	33.5	30.9	30.9	30.4	29.9	30.4
87.5°	19.9	18.9	17.1	15.7	13.3	11.8	11.2	11.4	10.4	10.2	10.8
90°	7.5	6.6	5.7	4.6	3.6	2.6	1.6	0.6	1.6	2.6	3.6
92.5°	7.7	6.9	6.1	6.0	6.8	7.5	8.2	8.9	8.2	7.5	6.8
95°	19.0	23.8	28.7	31.3	31.7	32.1	32.4	32.8	32.4	32.1	31.7
97.5°	47.6	57.3	66.9	71.3	70.6	70.0	69.3	68.6	69.3	70.0	70.6
100°	99.3	98.8	98.2	97.8	97.4	96.9	96.6	96.2	96.6	96.9	97.4
102.5°	127.3	126.9	126.6	126.2	125.8	125.3	124.8	124.3	124.8	125.3	125.8
105°	171.7	171.7	171.7	171.5	171.0	170.5	169.9	169.4	169.9	170.5	171.0
107.5°	216.8	216.5	216.3	216.2	216.2	216.2	216.2	216.2	216.2	216.2	216.2
110°	247.2	247.0	246.7	246.6	246.6	246.6	246.6	246.6	246.6	246.6	246.6





TEST NUMBER: P333214-840

CATALOG NUMBER: S125DIP-S850D590U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	276.9	276.8	276.6	276.4	276.1	275.8	275.5	275.2	275.5	275.8	276.1
115°	321.2	321.1	321.0	320.6	319.9	319.3	318.7	318.0	318.7	319.3	319.9
117.5°	363.6	363.0	362.5	362.3	362.3	362.3	362.3	362.4	362.3	362.3	362.3
120°	390.4	390.1	389.7	389.5	389.7	389.8	389.9	390.1	389.9	389.8	389.7
122.5°	417.2	417.0	416.8	416.5	416.0	415.5	415.0	414.4	415.0	415.5	416.0
125°	456.4	456.4	456.4	455.9	454.9	454.0	453.2	452.3	453.2	454.0	454.9
127.5°	491.1	491.1	491.2	490.9	490.3	489.7	489.0	488.4	489.0	489.7	490.3
130°	513.7	513.5	513.4	513.0	512.4	511.8	511.1	510.5	511.1	511.8	512.4
132.5°	535.2	535.5	535.8	535.5	534.8	534.1	533.3	532.6	533.3	534.1	534.8
135°	566.8	567.1	567.4	567.1	566.3	565.6	564.8	564.1	564.8	565.6	566.3
137.5°	595.4	595.6	595.9	595.6	595.0	594.3	593.7	593.0	593.7	594.3	595.0
140°	612.7	612.9	613.0	612.9	612.7	612.4	612.2	611.9	612.2	612.4	612.7
142.5°	630.1	630.0	629.8	629.5	629.4	629.2	629.1	628.9	629.1	629.2	629.4
145°	655.1	655.1	655.1	655.0	654.7	654.5	654.2	654.0	654.2	654.5	654.7
147.5°	676.0	675.8	675.7	675.6	675.7	675.7	675.8	675.8	675.8	675.7	675.7
150°	689.1	688.9	688.6	688.6	688.9	689.1	689.4	689.6	689.4	689.1	688.9
152.5°	701.1	700.8	700.6	700.7	701.4	702.0	702.5	703.1	702.5	702.0	701.4
155°	717.4	717.1	716.9	717.1	717.9	718.7	719.4	720.2	719.4	718.7	717.9
157.5°	731.4	731.4	731.4	731.6	732.1	732.6	733.0	733.5	733.0	732.6	732.1
160°	739.5	739.4	739.3	739.6	740.3	741.1	741.9	742.7	741.9	741.1	740.3
162.5°	746.9	746.8	746.7	747.0	747.7	748.5	749.3	750.0	749.3	748.5	747.7
165°	756.8	756.7	756.6	756.9	757.7	758.4	759.2	759.9	759.2	758.4	757.7
167.5°	764.1	764.0	763.9	764.2	765.0	765.8	766.6	767.3	766.6	765.8	765.0
170°	767.8	767.6	767.5	767.9	768.8	769.7	770.6	771.5	770.6	769.7	768.8
172.5°	770.8	770.5	770.3	770.6	771.5	772.4	773.4	774.3	773.4	772.4	771.5
175°	774.2	774.0	773.9	774.2	775.0	775.7	776.5	777.3	776.5	775.7	775.0
177.5°	776.1	776.0	775.9	776.2	776.8	777.4	778.0	778.6	778.0	777.4	776.8
180°	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3



TEST NUMBER: P333214-840

CATALOG NUMBER: S125DIP-S850D590U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1214.1	1209.4	1205.7	1197.3	1192.7	1186.4	1181.3	1186.8	1180.9	1183.5	1179.6
5°	1176.2	1161.5	1151.0	1135.8	1122.7	1110.6	1101.8	1100.1	1095.9	1093.9	1087.5
7.5°	1130.6	1112.3	1094.3	1074.4	1057.5	1040.5	1029.6	1020.6	1014.6	1006.7	1001.4
10°	1103.8	1079.1	1058.2	1034.1	1013.1	994.7	980.1	972.7	965.9	955.9	952.3
12.5°	1070.7	1045.2	1019.6	993.8	973.7	953.2	940.6	929.5	924.8	913.5	912.4
15°	1031.0	992.7	967.5	941.3	913.4	896.7	886.2	874.1	868.9	861.0	855.3
17.5°	983.5	949.4	917.9	890.7	866.9	852.7	839.7	831.4	822.4	817.3	807.9
20°	949.2	916.7	885.1	856.3	838.0	821.7	811.2	803.3	794.0	791.3	781.8
22.5°	920.2	884.3	854.1	829.9	809.8	791.5	780.1	774.9	768.3	760.2	758.3
25°	873.1	835.9	810.2	786.1	768.2	751.4	743.6	736.8	730.4	724.7	722.6
27.5°	832.4	799.1	768.6	746.8	731.3	716.0	709.0	700.7	696.2	691.6	685.9
30°	803.9	769.8	743.1	722.1	705.3	691.7	684.3	678.5	674.4	670.1	667.0
32.5°	774.5	743.0	717.0	696.5	679.7	669.4	662.9	658.8	654.2	649.1	645.2
35°	735.7	701.0	675.9	658.1	645.0	637.1	629.8	626.1	620.9	620.9	616.6
37.5°	692.0	662.1	639.9	623.6	611.9	604.8	596.8	594.3	591.0	588.8	587.3
40°	666.0	638.1	617.2	601.0	588.3	582.6	576.3	572.1	570.0	567.3	566.3
42.5°	639.1	612.6	592.5	577.4	566.5	561.6	555.7	552.8	548.6	545.1	544.5
45°	598.3	572.6	554.3	542.2	532.8	527.0	523.3	517.1	514.9	510.8	510.2
47.5°	559.6	534.9	516.9	507.1	498.8	494.0	488.3	482.0	479.6	477.5	477.3
50°	530.7	508.2	491.3	481.9	474.0	467.3	461.4	457.3	455.7	455.7	456.8
52.5°	501.3	482.1	467.9	456.4	448.9	441.6	436.3	433.7	431.3	433.8	435.8
55°	458.3	438.9	428.4	417.4	410.1	401.6	399.1	398.0	396.5	400.6	402.7
57.5°	412.8	399.2	386.9	376.0	369.4	364.6	361.0	360.3	363.2	365.3	372.1
60°	383.8	368.1	357.1	348.7	340.8	337.7	336.7	335.6	337.7	343.5	352.3
62.5°	351.9	339.2	327.3	321.0	315.3	310.0	309.8	310.4	314.7	321.2	330.1
65°	305.2	294.2	286.3	278.9	274.3	271.1	272.2	274.3	278.9	287.9	297.8
67.5°	257.7	250.1	243.1	237.1	232.6	232.6	233.7	236.8	242.4	252.7	261.8
70°	227.0	218.6	212.9	210.3	206.6	204.5	207.6	212.9	217.6	227.0	234.9
72.5°	196.4	189.3	184.8	183.0	181.5	179.8	180.8	186.4	192.9	202.3	211.5
75°	151.0	148.3	145.2	143.2	141.6	142.6	143.7	149.0	154.2	164.1	174.6
77.5°	110.2	107.4	105.6	105.1	104.2	104.7	107.8	111.6	116.7	124.0	131.9
80°	83.4	82.3	81.3	80.8	80.8	81.3	85.4	88.1	92.8	99.7	105.9
82.5°	60.7	60.1	59.9	59.8	60.2	60.3	62.8	66.2	70.2	75.3	80.8
85°	32.0	30.9	32.5	33.0	32.0	33.5	34.6	36.7	38.3	40.9	43.5
87.5°	11.4	12.4	12.2	12.8	13.0	14.0	13.7	15.6	16.5	17.5	17.2
90°	4.6	5.7	6.6	7.5	8.3	9.2	9.9	10.5	11.1	11.8	12.3
92.5°	6.0	6.1	6.9	7.7	8.4	9.2	9.9	10.5	11.1	11.8	12.2
95°	31.3	28.7	23.8	19.0	14.0	9.2	9.9	10.5	11.1	11.8	12.1
97.5°	71.3	66.9	57.3	47.6	38.0	28.4	24.7	21.1	17.5	13.9	12.1
100°	97.8	98.2	98.8	99.3	99.8	100.3	81.2	62.1	43.0	23.9	14.1
102.5°	126.2	126.6	126.9	127.3	127.6	127.9	124.3	120.7	117.0	113.5	107.3
105°	171.5	171.7	171.7	171.7	171.7	171.7	171.7	171.7	171.7	171.7	171.7
107.5°	216.2	216.3	216.5	216.8	217.1	217.3	217.3	217.4	217.4	217.4	217.2
110°	246.6	246.7	247.0	247.2	247.5	247.7	247.4	247.0	246.6	246.2	246.1



TEST NUMBER: P333214-840

CATALOG NUMBER: S125DIP-S850D590U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	276.4	276.6	276.8	276.9	277.1	277.2	276.8	276.3	275.8	275.3	275.0
115°	320.6	321.0	321.1	321.2	321.3	321.5	321.0	320.4	319.9	319.4	318.8
117.5°	362.3	362.5	363.0	363.6	364.0	364.5	363.9	363.1	362.4	361.8	361.3
120°	389.5	389.7	390.1	390.4	390.8	391.2	390.9	390.7	390.4	390.2	389.7
122.5°	416.5	416.8	417.0	417.2	417.3	417.5	417.3	417.0	416.8	416.5	416.0
125°	455.9	456.4	456.4	456.4	456.4	456.4	455.9	455.3	454.7	454.2	453.8
127.5°	490.9	491.2	491.1	491.1	491.0	490.9	490.6	490.3	490.1	489.8	489.2
130°	513.0	513.4	513.5	513.7	513.8	513.9	513.5	513.2	512.8	512.4	511.9
132.5°	535.5	535.8	535.5	535.2	534.9	534.7	534.6	534.5	534.4	534.4	534.0
135°	567.1	567.4	567.1	566.8	566.6	566.3	566.1	565.8	565.6	565.3	564.8
137.5°	595.6	595.9	595.6	595.4	595.2	594.9	595.0	595.0	595.1	595.1	594.8
140°	612.9	613.0	612.9	612.7	612.6	612.5	612.7	613.0	613.2	613.5	613.2
142.5°	629.5	629.8	630.0	630.1	630.3	630.5	630.5	630.6	630.6	630.7	630.3
145°	655.0	655.1	655.1	655.1	655.1	655.1	655.2	655.4	655.5	655.6	655.3
147.5°	675.6	675.7	675.8	676.0	676.1	676.3	676.5	676.6	676.8	676.9	676.5
150°	688.6	688.6	688.9	689.1	689.4	689.6	689.9	690.1	690.4	690.6	690.3
152.5°	700.7	700.6	700.8	701.1	701.4	701.7	702.0	702.2	702.5	702.7	702.4
155°	717.1	716.9	717.1	717.4	717.6	717.9	718.3	718.7	719.0	719.4	719.1
157.5°	731.6	731.4	731.4	731.4	731.4	731.5	732.0	732.4	732.8	733.2	732.9
160°	739.6	739.3	739.4	739.5	739.6	739.8	740.3	740.8	741.3	741.8	741.5
162.5°	747.0	746.7	746.8	746.9	747.0	747.2	747.9	748.6	749.3	750.0	749.8
165°	756.9	756.6	756.7	756.8	757.0	757.1	757.8	758.6	759.4	760.1	760.0
167.5°	764.2	763.9	764.0	764.1	764.2	764.4	765.3	766.2	767.1	768.0	767.9
170°	767.9	767.5	767.6	767.8	767.9	768.0	769.0	770.1	771.1	772.1	772.0
172.5°	770.6	770.3	770.5	770.8	771.0	771.2	772.1	773.1	774.1	775.0	774.9
175°	774.2	773.9	774.0	774.2	774.3	774.4	775.4	776.4	777.4	778.5	778.4
177.5°	776.2	775.9	776.0	776.1	776.2	776.3	777.1	777.8	778.5	779.2	779.1
180°	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3



TEST NUMBER: P333214-840

CATALOG NUMBER: S125DIP-S850D590U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1177.1	1180.0	1177.5	1180.9	1177.5	1180.0	1177.1	1179.6	1183.5	1180.9	1186.8
5°	1084.9	1080.3	1083.4	1081.3	1083.4	1080.3	1084.9	1087.5	1093.9	1095.9	1100.1
7.5°	999.8	995.2	990.2	987.7	990.2	995.2	999.8	1001.4	1006.7	1014.6	1020.6
10°	946.5	940.7	940.2	936.5	940.2	940.7	946.5	952.3	955.9	965.9	972.7
12.5°	907.5	902.1	896.2	894.6	896.2	902.1	907.5	912.4	913.5	924.8	929.5
15°	852.1	847.9	844.2	847.4	844.2	847.9	852.1	855.3	861.0	868.9	874.1
17.5°	806.1	802.6	801.9	798.1	801.9	802.6	806.1	807.9	817.3	822.4	831.4
20°	777.1	774.5	775.6	768.7	775.6	774.5	777.1	781.8	791.3	794.0	803.3
22.5°	754.1	748.9	748.3	746.9	748.3	748.9	754.1	758.3	760.2	768.3	774.9
25°	717.9	715.3	712.7	715.3	712.7	715.3	717.9	722.6	724.7	730.4	736.8
27.5°	686.3	683.2	682.5	682.8	682.5	683.2	686.3	685.9	691.6	696.2	700.7
30°	667.0	661.8	662.3	661.8	662.3	661.8	667.0	667.0	670.1	674.4	678.5
32.5°	646.0	642.5	641.8	640.8	641.8	642.5	646.0	645.2	649.1	654.2	658.8
35°	615.1	615.1	612.5	612.5	612.5	615.1	615.1	616.6	620.9	620.9	626.1
37.5°	586.0	585.5	583.9	584.2	583.9	585.5	586.0	587.3	588.8	591.0	594.3
40°	564.2	563.7	562.1	559.0	562.1	563.7	564.2	566.3	567.3	570.0	572.1
42.5°	543.2	541.5	540.8	539.7	540.8	541.5	543.2	544.5	545.1	548.6	552.8
45°	510.2	510.2	509.2	508.7	509.2	510.2	510.2	510.2	510.8	514.9	517.1
47.5°	478.2	479.1	481.1	480.8	481.1	479.1	478.2	477.3	477.5	479.6	482.0
50°	458.8	459.4	460.9	461.4	460.9	459.4	458.8	456.8	455.7	455.7	457.3
52.5°	437.5	440.5	442.4	442.1	442.4	440.5	437.5	435.8	433.8	431.3	433.7
55°	407.5	411.1	414.8	415.4	414.8	411.1	407.5	402.7	400.6	396.5	398.0
57.5°	377.8	382.9	386.8	388.0	386.8	382.9	377.8	372.1	365.3	363.2	360.3
60°	357.6	364.5	369.2	371.2	369.2	364.5	357.6	352.3	343.5	337.7	335.6
62.5°	338.3	346.0	350.7	351.1	350.7	346.0	338.3	330.1	321.2	314.7	310.4
65°	306.8	314.7	318.8	321.9	318.8	314.7	306.8	297.8	287.9	278.9	274.3
67.5°	272.8	280.6	285.3	287.8	285.3	280.6	272.8	261.8	252.7	242.4	236.8
70°	248.0	255.9	262.2	264.3	262.2	255.9	248.0	234.9	227.0	217.6	212.9
72.5°	223.7	230.8	235.8	238.2	235.8	230.8	223.7	211.5	202.3	192.9	186.4
75°	181.5	190.9	195.6	198.2	195.6	190.9	181.5	174.6	164.1	154.2	149.0
77.5°	139.9	148.6	151.4	152.7	151.4	148.6	139.9	131.9	124.0	116.7	111.6
80°	112.2	117.4	121.1	121.7	121.1	117.4	112.2	105.9	99.7	92.8	88.1
82.5°	86.2	90.6	91.8	93.1	91.8	90.6	86.2	80.8	75.3	70.2	66.2
85°	47.2	49.3	49.8	49.3	49.8	49.3	47.2	43.5	40.9	38.3	36.7
87.5°	18.1	17.7	17.8	18.7	17.8	17.7	18.1	17.2	17.5	16.5	15.6
90°	12.7	13.0	13.4	13.8	13.4	13.0	12.7	12.3	11.8	11.1	10.5
92.5°	12.3	12.5	12.7	12.9	12.7	12.5	12.3	12.2	11.8	11.1	10.5
95°	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	11.8	11.1	10.5
97.5°	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	13.9	17.5	21.1
100°	13.6	13.1	12.6	12.1	12.6	13.1	13.6	14.1	23.9	43.0	62.1
102.5°	98.6	89.9	81.2	72.5	81.2	89.9	98.6	107.3	113.5	117.0	120.7
105°	171.5	171.4	171.3	171.1	171.3	171.4	171.5	171.7	171.7	171.7	171.7
107.5°	216.9	216.5	216.1	215.7	216.1	216.5	216.9	217.2	217.4	217.4	217.4
110°	246.2	246.3	246.5	246.6	246.5	246.3	246.2	246.1	246.2	246.6	247.0



TEST NUMBER: P333214-840

CATALOG NUMBER: S125DIP-S850D590U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	274.8	274.6	274.5	274.3	274.5	274.6	274.8	275.0	275.3	275.8	276.3
115°	318.0	317.3	316.5	315.8	316.5	317.3	318.0	318.8	319.4	319.9	320.4
117.5°	361.0	360.6	360.3	360.0	360.3	360.6	361.0	361.3	361.8	362.4	363.1
120°	389.1	388.5	387.8	387.2	387.8	388.5	389.1	389.7	390.2	390.4	390.7
122.5°	415.3	414.4	413.7	413.0	413.7	414.4	415.3	416.0	416.5	416.8	417.0
125°	453.4	453.0	452.7	452.3	452.7	453.0	453.4	453.8	454.2	454.7	455.3
127.5°	488.2	487.3	486.4	485.3	486.4	487.3	488.2	489.2	489.8	490.1	490.3
130°	511.3	510.6	510.0	509.4	510.0	510.6	511.3	511.9	512.4	512.8	513.2
132.5°	533.4	532.7	532.1	531.5	532.1	532.7	533.4	534.0	534.4	534.4	534.5
135°	564.1	563.3	562.5	561.8	562.5	563.3	564.1	564.8	565.3	565.6	565.8
137.5°	594.2	593.5	592.9	592.2	592.9	593.5	594.2	594.8	595.1	595.1	595.0
140°	612.5	611.7	611.0	610.2	611.0	611.7	612.5	613.2	613.5	613.2	613.0
142.5°	629.5	628.7	627.9	627.2	627.9	628.7	629.5	630.3	630.7	630.6	630.6
145°	654.5	653.8	653.0	652.2	653.0	653.8	654.5	655.3	655.6	655.5	655.4
147.5°	675.6	674.7	673.8	672.9	673.8	674.7	675.6	676.5	676.9	676.8	676.6
150°	689.3	688.2	687.2	686.2	687.2	688.2	689.3	690.3	690.6	690.4	690.1
152.5°	701.5	700.5	699.5	698.6	699.5	700.5	701.5	702.4	702.7	702.5	702.2
155°	718.1	717.1	716.1	715.0	716.1	717.1	718.1	719.1	719.4	719.0	718.7
157.5°	731.8	730.7	729.7	728.7	729.7	730.7	731.8	732.9	733.2	732.8	732.4
160°	740.5	739.5	738.5	737.5	738.5	739.5	740.5	741.5	741.8	741.3	740.8
162.5°	748.7	747.6	746.5	745.3	746.5	747.6	748.7	749.8	750.0	749.3	748.6
165°	759.0	758.0	757.0	755.9	757.0	758.0	759.0	760.0	760.1	759.4	758.6
167.5°	766.8	765.6	764.5	763.3	764.5	765.6	766.8	767.9	768.0	767.1	766.2
170°	770.9	769.7	768.6	767.5	768.6	769.7	770.9	772.0	772.1	771.1	770.1
172.5°	773.7	772.5	771.3	770.2	771.3	772.5	773.7	774.9	775.0	774.1	773.1
175°	777.3	776.1	775.0	773.8	775.0	776.1	777.3	778.4	778.5	777.4	776.4
177.5°	778.3	777.5	776.7	775.9	776.7	777.5	778.3	779.1	779.2	778.5	777.8
180°	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3



TEST NUMBER: P333214-840

CATALOG NUMBER: S125DIP-S850D590U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1181.3	1186.4	1192.7	1197.3	1205.7	1209.4	1214.1	1217.8	1224.6	1230.8	1238.4
5°	1101.8	1110.6	1122.7	1135.8	1151.0	1161.5	1176.2	1185.1	1203.0	1219.2	1234.9
7.5°	1029.6	1040.5	1057.5	1074.4	1094.3	1112.3	1130.6	1151.0	1173.8	1200.6	1222.8
10°	980.1	994.7	1013.1	1034.1	1058.2	1079.1	1103.8	1125.8	1153.7	1185.1	1214.5
12.5°	940.6	953.2	973.7	993.8	1019.6	1045.2	1070.7	1099.8	1132.3	1167.1	1204.0
15°	886.2	896.7	913.4	941.3	967.5	992.7	1031.0	1058.2	1099.1	1137.9	1182.5
17.5°	839.7	852.7	866.9	890.7	917.9	949.4	983.5	1017.7	1057.1	1106.3	1156.6
20°	811.2	821.7	838.0	856.3	885.1	916.7	949.2	983.7	1032.0	1082.9	1136.8
22.5°	780.1	791.5	809.8	829.9	854.1	884.3	920.2	958.2	1008.5	1058.5	1117.1
25°	743.6	751.4	768.2	786.1	810.2	835.9	873.1	915.0	964.8	1022.0	1081.8
27.5°	709.0	716.0	731.3	746.8	768.6	799.1	832.4	874.7	921.7	979.7	1045.9
30°	684.3	691.7	705.3	722.1	743.1	769.8	803.9	843.7	894.0	950.7	1020.0
32.5°	662.9	669.4	679.7	696.5	717.0	743.0	774.5	815.2	865.6	923.0	991.0
35°	629.8	637.1	645.0	658.1	675.9	701.0	735.7	774.0	822.2	877.8	940.2
37.5°	596.8	604.8	611.9	623.6	639.9	662.1	692.0	731.8	775.5	829.0	888.9
40°	576.3	582.6	588.3	601.0	617.2	638.1	666.0	701.7	747.8	797.6	847.4
42.5°	555.7	561.6	566.5	577.4	592.5	612.6	639.1	673.9	716.7	763.2	807.1
45°	523.3	527.0	532.8	542.2	554.3	572.6	598.3	629.2	665.4	709.5	742.6
47.5°	488.3	494.0	498.8	507.1	516.9	534.9	559.6	585.9	618.7	651.5	674.8
50°	461.4	467.3	474.0	481.9	491.3	508.2	530.7	557.4	585.2	610.4	630.3
52.5°	436.3	441.6	448.9	456.4	467.9	482.1	501.3	525.1	552.5	570.6	587.1
55°	399.1	401.6	410.1	417.4	428.4	438.9	458.3	479.3	496.0	509.7	523.3
57.5°	361.0	364.6	369.4	376.0	386.9	399.2	412.8	431.3	441.2	448.3	458.8
60°	336.7	337.7	340.8	348.7	357.1	368.1	383.8	397.0	404.2	410.1	419.0
62.5°	309.8	310.0	315.3	321.0	327.3	339.2	351.9	362.5	368.6	371.4	380.0
65°	272.2	271.1	274.3	278.9	286.3	294.2	305.2	314.7	314.1	317.2	322.4
67.5°	233.7	232.6	232.6	237.1	243.1	250.1	257.7	263.2	263.3	267.4	270.0
70°	207.6	204.5	206.6	210.3	212.9	218.6	227.0	229.1	229.6	231.8	234.4
72.5°	180.8	179.8	181.5	183.0	184.8	189.3	196.4	197.7	197.8	199.0	203.4
75°	143.7	142.6	141.6	143.2	145.2	148.3	151.0	153.1	152.6	153.1	156.2
77.5°	107.8	104.7	104.2	105.1	105.6	107.4	110.2	110.0	110.6	110.5	114.0
80°	85.4	81.3	80.8	80.8	81.3	82.3	83.4	84.4	82.8	84.4	85.4
82.5°	62.8	60.3	60.2	59.8	59.9	60.1	60.7	61.4	61.0	61.8	62.4
85°	34.6	33.5	32.0	33.0	32.5	30.9	32.0	30.4	29.9	30.4	30.9
87.5°	13.7	14.0	13.0	12.8	12.2	12.4	11.4	10.8	10.2	10.4	11.4
90°	9.9	9.2	8.3	7.5	6.6	5.7	4.6	3.6	2.6	1.6	0.6
92.5°	9.9	9.2	8.4	7.7	6.9	6.1	6.0	6.8	7.5	8.2	8.9
95°	9.9	9.2	14.0	19.0	23.8	28.7	31.3	31.7	32.1	32.4	32.8
97.5°	24.7	28.4	38.0	47.6	57.3	66.9	71.3	70.6	70.0	69.3	68.6
100°	81.2	100.3	99.8	99.3	98.8	98.2	97.8	97.4	96.9	96.6	96.2
102.5°	124.3	127.9	127.6	127.3	126.9	126.6	126.2	125.8	125.3	124.8	124.3
105°	171.7	171.7	171.7	171.7	171.7	171.7	171.5	171.0	170.5	169.9	169.4
107.5°	217.3	217.3	217.1	216.8	216.5	216.3	216.2	216.2	216.2	216.2	216.2
110°	247.4	247.7	247.5	247.2	247.0	246.7	246.6	246.6	246.6	246.6	246.6



TEST NUMBER: P333214-840

CATALOG NUMBER: S125DIP-S850D590U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	276.8	277.2	277.1	276.9	276.8	276.6	276.4	276.1	275.8	275.5	275.2
115°	321.0	321.5	321.3	321.2	321.1	321.0	320.6	319.9	319.3	318.7	318.0
117.5°	363.9	364.5	364.0	363.6	363.0	362.5	362.3	362.3	362.3	362.3	362.4
120°	390.9	391.2	390.8	390.4	390.1	389.7	389.5	389.7	389.8	389.9	390.1
122.5°	417.3	417.5	417.3	417.2	417.0	416.8	416.5	416.0	415.5	415.0	414.4
125°	455.9	456.4	456.4	456.4	456.4	456.4	455.9	454.9	454.0	453.2	452.3
127.5°	490.6	490.9	491.0	491.1	491.1	491.2	490.9	490.3	489.7	489.0	488.4
130°	513.5	513.9	513.8	513.7	513.5	513.4	513.0	512.4	511.8	511.1	510.5
132.5°	534.6	534.7	534.9	535.2	535.5	535.8	535.5	534.8	534.1	533.3	532.6
135°	566.1	566.3	566.6	566.8	567.1	567.4	567.1	566.3	565.6	564.8	564.1
137.5°	595.0	594.9	595.2	595.4	595.6	595.9	595.6	595.0	594.3	593.7	593.0
140°	612.7	612.5	612.6	612.7	612.9	613.0	612.9	612.7	612.4	612.2	611.9
142.5°	630.5	630.5	630.3	630.1	630.0	629.8	629.5	629.4	629.2	629.1	628.9
145°	655.2	655.1	655.1	655.1	655.1	655.1	655.0	654.7	654.5	654.2	654.0
147.5°	676.5	676.3	676.1	676.0	675.8	675.7	675.6	675.7	675.7	675.8	675.8
150°	689.9	689.6	689.4	689.1	688.9	688.6	688.6	688.9	689.1	689.4	689.6
152.5°	702.0	701.7	701.4	701.1	700.8	700.6	700.7	701.4	702.0	702.5	703.1
155°	718.3	717.9	717.6	717.4	717.1	716.9	717.1	717.9	718.7	719.4	720.2
157.5°	732.0	731.5	731.4	731.4	731.4	731.4	731.6	732.1	732.6	733.0	733.5
160°	740.3	739.8	739.6	739.5	739.4	739.3	739.6	740.3	741.1	741.9	742.7
162.5°	747.9	747.2	747.0	746.9	746.8	746.7	747.0	747.7	748.5	749.3	750.0
165°	757.8	757.1	757.0	756.8	756.7	756.6	756.9	757.7	758.4	759.2	759.9
167.5°	765.3	764.4	764.2	764.1	764.0	763.9	764.2	765.0	765.8	766.6	767.3
170°	769.0	768.0	767.9	767.8	767.6	767.5	767.9	768.8	769.7	770.6	771.5
172.5°	772.1	771.2	771.0	770.8	770.5	770.3	770.6	771.5	772.4	773.4	774.3
175°	775.4	774.4	774.3	774.2	774.0	773.9	774.2	775.0	775.7	776.5	777.3
177.5°	777.1	776.3	776.2	776.1	776.0	775.9	776.2	776.8	777.4	778.0	778.6
180°	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3



TEST NUMBER: P333214-840

CATALOG NUMBER: S125DIP-S850D590U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1242.1	1248.0	1251.8	1258.9	1264.8	1268.2	1271.1	1273.6	1276.6	1279.1	1286.2
5°	1250.1	1263.7	1275.3	1293.1	1309.4	1321.9	1335.5	1347.7	1357.7	1371.8	1382.8
7.5°	1246.7	1270.9	1296.3	1323.8	1352.0	1378.3	1402.4	1424.9	1445.4	1470.2	1491.9
10°	1243.3	1276.4	1308.9	1346.0	1384.3	1416.8	1447.2	1478.2	1500.8	1532.3	1558.9
12.5°	1240.8	1279.7	1318.9	1363.7	1405.7	1451.7	1492.2	1514.7	1549.0	1574.2	1606.0
15°	1230.2	1281.6	1335.5	1385.9	1445.7	1488.1	1523.9	1567.9	1599.8	1631.8	1666.5
17.5°	1211.2	1269.4	1329.8	1395.8	1453.2	1498.7	1544.7	1587.2	1625.4	1668.3	1711.3
20°	1202.4	1260.6	1329.8	1397.5	1453.6	1501.3	1548.5	1595.2	1637.1	1692.1	1742.0
22.5°	1184.0	1254.4	1318.1	1384.0	1441.8	1493.8	1547.2	1600.2	1656.0	1718.2	1780.6
25°	1151.0	1222.3	1290.0	1355.0	1413.2	1478.2	1535.4	1606.2	1677.5	1759.8	1837.4
27.5°	1116.8	1185.1	1247.1	1309.9	1377.8	1451.4	1525.5	1605.9	1699.2	1803.1	1912.6
30°	1089.1	1153.7	1214.0	1278.4	1349.2	1432.1	1513.4	1608.8	1716.8	1833.7	1963.8
32.5°	1056.8	1116.3	1174.9	1243.2	1320.3	1407.8	1502.5	1607.1	1737.0	1869.9	2003.7
35°	1001.6	1051.4	1111.7	1184.6	1271.6	1371.8	1481.4	1605.1	1754.0	1906.6	2019.4
37.5°	936.0	982.4	1045.9	1125.8	1217.1	1324.5	1454.6	1601.4	1759.6	1881.3	1917.6
40°	892.0	934.9	1001.1	1083.9	1177.2	1291.0	1433.6	1588.8	1742.0	1819.6	1789.7
42.5°	845.0	890.1	954.4	1036.5	1137.0	1260.8	1407.2	1562.5	1690.8	1720.2	1616.9
45°	770.8	817.5	880.9	963.8	1071.9	1206.1	1358.7	1499.8	1573.7	1520.7	1360.8
47.5°	702.0	745.7	804.5	890.0	1001.5	1140.3	1287.3	1399.8	1405.6	1279.3	1108.4
50°	655.0	695.3	754.6	840.0	950.7	1091.3	1223.9	1312.5	1272.6	1129.5	965.3
52.5°	608.8	648.3	706.8	791.4	900.8	1029.6	1153.0	1215.2	1140.1	993.2	852.9
55°	542.2	576.8	634.0	712.1	816.0	935.5	1040.4	1061.9	964.3	819.6	705.8
57.5°	477.2	509.5	561.5	633.5	728.3	834.2	916.3	911.7	808.6	684.4	594.1
60°	433.1	464.6	510.8	581.0	667.5	758.8	829.0	812.2	710.0	603.0	527.0
62.5°	393.7	421.8	465.4	526.8	605.8	690.4	748.1	723.4	623.2	529.6	469.5
65°	335.6	359.2	396.5	448.9	514.4	584.2	628.7	596.7	511.3	438.4	390.1
67.5°	280.1	299.0	330.2	372.1	428.0	484.0	511.2	479.0	410.6	357.4	321.6
70°	244.9	261.7	285.8	323.1	371.8	419.0	439.4	410.6	351.8	306.2	280.5
72.5°	209.6	223.5	244.7	278.1	317.2	358.2	376.1	348.5	300.2	261.8	237.7
75°	162.1	171.5	186.1	209.2	240.1	272.7	282.7	258.5	227.6	198.7	183.0
77.5°	116.0	124.0	135.1	149.7	171.6	192.3	201.0	187.0	163.1	144.8	131.9
80°	89.2	93.3	102.8	114.8	132.2	145.2	151.0	142.1	125.3	111.7	101.7
82.5°	63.5	67.8	73.4	83.4	94.4	103.3	109.5	103.5	91.4	80.7	74.8
85°	30.9	33.5	36.7	40.9	49.3	54.5	54.0	50.3	45.6	41.4	38.3
87.5°	11.2	11.8	13.3	15.7	17.1	18.9	19.9	19.3	17.8	16.7	15.6
90°	1.6	2.6	3.6	4.6	5.7	6.6	7.5	8.3	9.2	9.9	10.5
92.5°	8.2	7.5	6.8	6.0	6.1	6.9	7.7	8.4	9.2	9.9	10.5
95°	32.4	32.1	31.7	31.3	28.7	23.8	19.0	14.0	9.2	9.9	10.5
97.5°	69.3	70.0	70.6	71.3	66.9	57.3	47.6	38.0	28.4	24.7	21.1
100°	96.6	96.9	97.4	97.8	98.2	98.8	99.3	99.8	100.3	81.2	62.1
102.5°	124.8	125.3	125.8	126.2	126.6	126.9	127.3	127.6	127.9	124.3	120.7
105°	169.9	170.5	171.0	171.5	171.7	171.7	171.7	171.7	171.7	171.7	171.7
107.5°	216.2	216.2	216.2	216.2	216.3	216.5	216.8	217.1	217.3	217.3	217.4
110°	246.6	246.6	246.6	246.6	246.7	247.0	247.2	247.5	247.7	247.4	247.0





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	275.5	275.8	276.1	276.4	276.6	276.8	276.9	277.1	277.2	276.8	276.3
115°	318.7	319.3	319.9	320.6	321.0	321.1	321.2	321.3	321.5	321.0	320.4
117.5°	362.3	362.3	362.3	362.3	362.5	363.0	363.6	364.0	364.5	363.9	363.1
120°	389.9	389.8	389.7	389.5	389.7	390.1	390.4	390.8	391.2	390.9	390.7
122.5°	415.0	415.5	416.0	416.5	416.8	417.0	417.2	417.3	417.5	417.3	417.0
125°	453.2	454.0	454.9	455.9	456.4	456.4	456.4	456.4	456.4	455.9	455.3
127.5°	489.0	489.7	490.3	490.9	491.2	491.1	491.1	491.0	490.9	490.6	490.3
130°	511.1	511.8	512.4	513.0	513.4	513.5	513.7	513.8	513.9	513.5	513.2
132.5°	533.3	534.1	534.8	535.5	535.8	535.5	535.2	534.9	534.7	534.6	534.5
135°	564.8	565.6	566.3	567.1	567.4	567.1	566.8	566.6	566.3	566.1	565.8
137.5°	593.7	594.3	595.0	595.6	595.9	595.6	595.4	595.2	594.9	595.0	595.0
140°	612.2	612.4	612.7	612.9	613.0	612.9	612.7	612.6	612.5	612.7	613.0
142.5°	629.1	629.2	629.4	629.5	629.8	630.0	630.1	630.3	630.5	630.5	630.6
145°	654.2	654.5	654.7	655.0	655.1	655.1	655.1	655.1	655.1	655.2	655.4
147.5°	675.8	675.7	675.7	675.6	675.7	675.8	676.0	676.1	676.3	676.5	676.6
150°	689.4	689.1	688.9	688.6	688.6	688.9	689.1	689.4	689.6	689.9	690.1
152.5°	702.5	702.0	701.4	700.7	700.6	700.8	701.1	701.4	701.7	702.0	702.2
155°	719.4	718.7	717.9	717.1	716.9	717.1	717.4	717.6	717.9	718.3	718.7
157.5°	733.0	732.6	732.1	731.6	731.4	731.4	731.4	731.4	731.5	732.0	732.4
160°	741.9	741.1	740.3	739.6	739.3	739.4	739.5	739.6	739.8	740.3	740.8
162.5°	749.3	748.5	747.7	747.0	746.7	746.8	746.9	747.0	747.2	747.9	748.6
165°	759.2	758.4	757.7	756.9	756.6	756.7	756.8	757.0	757.1	757.8	758.6
167.5°	766.6	765.8	765.0	764.2	763.9	764.0	764.1	764.2	764.4	765.3	766.2
170°	770.6	769.7	768.8	767.9	767.5	767.6	767.8	767.9	768.0	769.0	770.1
172.5°	773.4	772.4	771.5	770.6	770.3	770.5	770.8	771.0	771.2	772.1	773.1
175°	776.5	775.7	775.0	774.2	773.9	774.0	774.2	774.3	774.4	775.4	776.4
177.5°	778.0	777.4	776.8	776.2	775.9	776.0	776.1	776.2	776.3	777.1	777.8
180°	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1292.0	1295.5	1302.5	1300.0	1303.4	1305.0	1306.8
5°	1396.4	1413.2	1420.6	1419.5	1430.5	1427.8	1425.2
7.5°	1514.3	1532.0	1541.8	1554.1	1561.2	1561.7	1567.9
10°	1581.0	1604.1	1613.6	1626.6	1635.0	1639.7	1639.2
12.5°	1632.1	1650.2	1671.4	1677.8	1689.1	1695.1	1692.9
15°	1693.7	1722.6	1744.6	1755.7	1769.8	1773.9	1779.8
17.5°	1748.7	1787.4	1813.1	1847.2	1860.2	1868.0	1863.4
20°	1790.2	1841.1	1866.8	1907.7	1930.3	1942.3	1938.1
22.5°	1839.3	1894.4	1941.9	1977.3	2011.7	2027.9	2031.2
25°	1923.4	1998.9	2068.7	2115.4	2157.8	2167.8	2189.8
27.5°	2017.4	2106.5	2181.0	2230.1	2259.7	2270.8	2277.6
30°	2076.6	2165.2	2221.3	2252.7	2262.2	2261.1	2260.1
32.5°	2105.5	2161.0	2171.7	2162.9	2141.3	2123.1	2104.1
35°	2064.5	2023.1	1961.2	1881.5	1822.7	1763.5	1757.7
37.5°	1856.7	1724.2	1621.2	1506.2	1439.9	1398.9	1370.5
40°	1661.2	1510.8	1385.9	1288.9	1221.2	1194.6	1168.3
42.5°	1449.0	1305.1	1194.7	1113.6	1062.7	1033.0	1012.3
45°	1177.2	1050.4	963.8	905.0	864.7	841.6	828.5
47.5°	964.6	870.8	797.3	754.9	727.0	709.0	709.1
50°	850.5	760.8	712.1	678.5	654.4	640.3	642.9
52.5°	749.4	682.5	640.8	612.7	594.8	586.1	585.8
55°	626.6	578.3	551.1	530.7	518.6	508.7	510.8
57.5°	536.0	495.3	477.1	460.1	451.7	447.7	441.9
60°	479.8	448.4	432.6	419.0	410.6	407.5	401.6
62.5°	429.9	405.2	389.8	378.7	371.1	370.1	365.6
65°	361.3	342.4	328.8	323.6	315.7	313.6	313.6
67.5°	297.8	284.3	273.8	268.9	265.4	266.0	263.5
70°	258.0	247.0	240.1	234.9	232.3	232.8	230.8
72.5°	225.7	213.4	207.4	204.3	200.9	202.2	201.4
75°	171.0	164.6	161.5	158.3	156.2	155.2	154.2
77.5°	125.5	120.0	117.5	115.8	116.1	113.6	115.5
80°	97.0	92.3	90.7	88.1	87.6	87.6	87.1
82.5°	71.0	68.4	67.3	65.0	64.1	64.9	63.5
85°	36.7	34.6	34.1	34.1	33.0	32.0	34.6
87.5°	15.7	14.1	14.2	13.8	13.9	13.6	12.8
90°	11.1	11.8	12.3	12.7	13.0	13.4	13.8
92.5°	11.1	11.8	12.2	12.3	12.5	12.7	12.9
95°	11.1	11.8	12.1	12.1	12.1	12.1	12.1
97.5°	17.5	13.9	12.1	12.1	12.1	12.1	12.1
100°	43.0	23.9	14.1	13.6	13.1	12.6	12.1
102.5°	117.0	113.5	107.3	98.6	89.9	81.2	72.5
105°	171.7	171.7	171.7	171.5	171.4	171.3	171.1
107.5°	217.4	217.4	217.2	216.9	216.5	216.1	215.7
110°	246.6	246.2	246.1	246.2	246.3	246.5	246.6



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	275.8	275.3	275.0	274.8	274.6	274.5	274.3
115°	319.9	319.4	318.8	318.0	317.3	316.5	315.8
117.5°	362.4	361.8	361.3	361.0	360.6	360.3	360.0
120°	390.4	390.2	389.7	389.1	388.5	387.8	387.2
122.5°	416.8	416.5	416.0	415.3	414.4	413.7	413.0
125°	454.7	454.2	453.8	453.4	453.0	452.7	452.3
127.5°	490.1	489.8	489.2	488.2	487.3	486.4	485.3
130°	512.8	512.4	511.9	511.3	510.6	510.0	509.4
132.5°	534.4	534.4	534.0	533.4	532.7	532.1	531.5
135°	565.6	565.3	564.8	564.1	563.3	562.5	561.8
137.5°	595.1	595.1	594.8	594.2	593.5	592.9	592.2
140°	613.2	613.5	613.2	612.5	611.7	611.0	610.2
142.5°	630.6	630.7	630.3	629.5	628.7	627.9	627.2
145°	655.5	655.6	655.3	654.5	653.8	653.0	652.2
147.5°	676.8	676.9	676.5	675.6	674.7	673.8	672.9
150°	690.4	690.6	690.3	689.3	688.2	687.2	686.2
152.5°	702.5	702.7	702.4	701.5	700.5	699.5	698.6
155°	719.0	719.4	719.1	718.1	717.1	716.1	715.0
157.5°	732.8	733.2	732.9	731.8	730.7	729.7	728.7
160°	741.3	741.8	741.5	740.5	739.5	738.5	737.5
162.5°	749.3	750.0	749.8	748.7	747.6	746.5	745.3
165°	759.4	760.1	760.0	759.0	758.0	757.0	755.9
167.5°	767.1	768.0	767.9	766.8	765.6	764.5	763.3
170°	771.1	772.1	772.0	770.9	769.7	768.6	767.5
172.5°	774.1	775.0	774.9	773.7	772.5	771.3	770.2
175°	777.4	778.5	778.4	777.3	776.1	775.0	773.8
177.5°	778.5	779.2	779.1	778.3	777.5	776.7	775.9
180°	777.3	777.3	777.3	777.3	777.3	777.3	777.3

(END OF REPORT)