

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: P333223-930

Luminaire Tested: **S125DIP-S850D810U930-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333223-930  
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-S850D810U930-4F0-1E-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: 5457.6 lumens  
Efficiency: N/A  
Efficacy: 118.9 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

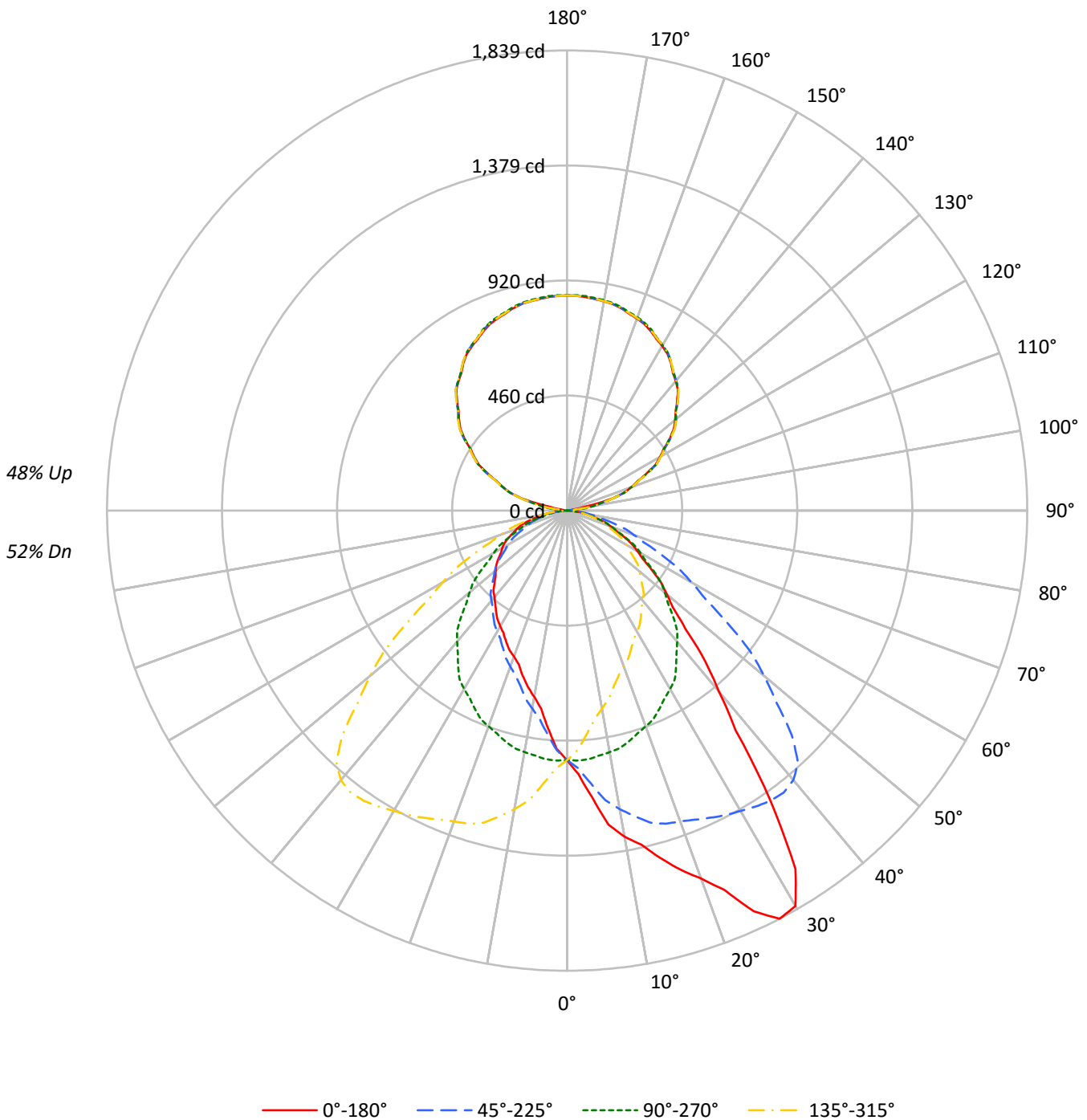
Input Watts (W): 45.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	6442	6442	6442	6442
5°	7459	6463	5659	6463
10°	8679	6430	4958	6430
15°	9607	6383	4574	6383
20°	10754	6308	4265	6308
25°	12598	6223	4115	6223
30°	13607	6141	3985	6141
35°	11188	5984	3899	5984
40°	7952	5767	3805	5767
45°	6109	5476	3751	5476
50°	5215	5112	3743	5112
55°	4644	4757	3775	4757
60°	4188	4370	3871	4370
65°	3869	3978	3972	3978
70°	3518	3573	4030	3573
75°	3107	3147	3992	3147
80°	2615	2566	3652	2566
85°	2075	1845	2949	1845



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.0	1.8
10°-20°	285.9	5.2
20°-30°	464.2	8.5
30°-40°	566.3	10.4
40°-50°	515.1	9.4
50°-60°	410.3	7.5
60°-70°	285.8	5.2
70°-80°	152.4	2.8
80°-90°	40.3	0.7
90°-100°	31.3	0.6
100°-110°	192.6	3.5
110°-120°	349.4	6.4
120°-130°	448.4	8.2
130°-140°	482.3	8.8
140°-150°	452.7	8.3
150°-160°	366.2	6.7
160°-170°	236.8	4.3
170°-180°	81.7	1.5
0°-30°	846.1	15.5
0°-40°	1412.4	25.9
0°-60°	2337.8	42.8
0°-90°	2816.3	51.6
90°-120°	573.3	10.5
90°-150°	1956.6	35.9
90°-180°	2641.0	48.4
0°-180°	5457.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	997	997	997	997	997	
5°	1151	997	873	997	1151	116
15°	1437	955	684	955	1437	411
25°	1768	873	578	873	1768	807
35°	1419	759	494	759	1419	868
45°	669	600	411	600	669	535
55°	412	422	335	422	412	371
65°	253	260	260	260	253	251
75°	124	126	160	126	124	134
85°	28	25	40	25	28	33
90°	15	1	15	1	15	8
95°	13	36	13	36	13	11
105°	189	187	189	187	189	171
115°	349	352	349	352	349	347
125°	500	500	500	500	500	445
135°	622	624	622	624	622	480
145°	722	724	722	724	722	451
155°	791	797	791	797	791	365
165°	836	841	836	841	836	236
175°	856	860	856	860	856	81
180°	860	860	860	860	860	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4
2.5°	1055.0	1053.6	1052.3	1049.5	1051.6	1045.9	1043.1	1038.4	1032.7	1030.6	1028.3
5°	1150.6	1152.8	1154.9	1146.0	1146.9	1140.9	1127.4	1116.4	1107.5	1096.1	1088.0
7.5°	1265.8	1260.8	1260.4	1254.7	1244.7	1236.8	1222.5	1204.4	1186.9	1166.9	1150.4
10°	1323.4	1323.8	1320.0	1313.2	1302.7	1295.0	1276.4	1258.6	1237.1	1211.6	1193.4
12.5°	1366.8	1368.5	1363.7	1354.5	1349.4	1332.3	1317.7	1296.6	1270.9	1250.6	1222.9
15°	1436.9	1432.2	1428.8	1417.4	1408.5	1390.7	1367.4	1345.4	1317.4	1291.6	1265.8
17.5°	1504.4	1508.1	1501.8	1491.3	1463.8	1443.0	1411.8	1381.6	1346.9	1312.2	1281.4
20°	1564.7	1568.1	1558.4	1540.2	1507.2	1486.4	1445.3	1406.4	1366.1	1321.7	1287.8
22.5°	1639.9	1637.2	1624.1	1596.4	1567.7	1529.4	1484.9	1437.5	1387.2	1336.9	1291.9
25°	1767.9	1750.1	1742.1	1707.8	1670.1	1613.8	1552.8	1483.4	1420.7	1354.3	1296.7
27.5°	1838.8	1833.3	1824.3	1800.4	1760.8	1700.6	1628.7	1544.1	1455.7	1371.8	1296.5
30°	1824.6	1825.5	1826.4	1818.7	1793.3	1748.0	1676.5	1585.4	1480.4	1386.0	1298.9
32.5°	1698.7	1714.1	1728.8	1746.2	1753.3	1744.7	1699.8	1617.6	1509.6	1402.3	1297.5
35°	1419.0	1423.8	1471.5	1519.0	1583.3	1633.3	1666.7	1630.4	1539.3	1416.1	1295.8
37.5°	1106.4	1129.4	1162.5	1216.0	1308.9	1392.0	1499.0	1548.2	1518.8	1420.6	1292.9
40°	943.2	964.4	985.9	1040.6	1118.9	1219.7	1341.2	1444.9	1469.0	1406.4	1282.7
42.5°	817.3	834.0	857.9	899.0	964.5	1053.7	1169.8	1305.4	1388.8	1365.1	1261.4
45°	668.9	679.5	698.1	730.7	778.1	848.0	950.4	1098.6	1227.7	1270.5	1210.8
47.5°	572.5	572.4	586.9	609.4	643.7	703.0	778.8	894.9	1032.8	1134.8	1130.1
50°	519.0	516.9	528.3	547.8	574.9	614.2	686.6	779.3	911.9	1027.4	1059.6
52.5°	473.0	473.2	480.2	494.6	517.3	551.0	605.0	688.6	801.8	920.5	981.0
55°	412.4	410.7	418.7	428.4	444.9	466.9	505.9	569.8	661.7	778.5	857.3
57.5°	356.8	361.4	364.7	371.5	385.1	399.9	432.8	479.6	552.5	652.8	736.1
60°	324.2	329.0	331.5	338.3	349.3	362.0	387.3	425.5	486.8	573.2	655.7
62.5°	295.1	298.8	299.6	305.7	314.7	327.1	347.1	379.0	427.5	503.1	584.0
65°	253.2	253.2	254.9	261.2	265.5	276.5	291.7	315.0	353.9	412.8	481.8
67.5°	212.7	214.7	214.3	217.1	221.0	229.5	240.4	259.7	288.5	331.5	386.7
70°	186.3	187.9	187.5	189.6	193.9	199.4	208.3	226.5	247.2	284.1	331.5
72.5°	162.6	163.2	162.2	164.9	167.5	172.3	182.2	191.9	211.3	242.4	281.4
75°	124.5	125.3	126.1	127.8	130.4	132.9	138.0	147.7	160.5	183.8	208.7
77.5°	93.3	91.7	93.8	93.5	94.9	96.9	101.3	106.5	116.9	131.7	151.0
80°	70.3	70.7	70.7	71.1	73.2	74.5	78.4	82.1	90.2	101.2	114.7
82.5°	51.3	52.4	51.8	52.5	54.3	55.2	57.3	60.4	65.1	73.8	83.6
85°	28.0	25.8	26.7	27.6	27.6	28.0	29.6	30.9	33.4	36.9	40.6
87.5°	11.2	11.8	12.1	12.0	12.2	12.1	13.3	13.1	14.0	14.9	16.1
90°	15.3	14.8	14.4	14.0	13.6	13.0	12.3	11.7	10.9	10.2	9.2
92.5°	14.3	14.1	13.9	13.7	13.5	13.0	12.3	11.7	10.9	10.2	9.3
95°	13.4	13.4	13.4	13.4	13.4	13.0	12.3	11.7	10.9	10.2	15.6
97.5°	13.4	13.4	13.4	13.4	13.4	15.4	19.4	23.4	27.4	31.4	42.0
100°	13.4	13.9	14.5	15.1	15.7	26.5	47.6	68.7	89.8	111.0	110.4
102.5°	80.2	89.8	99.5	109.1	118.8	125.6	129.6	133.5	137.5	141.5	141.2
105°	189.4	189.5	189.6	189.8	190.0	190.0	190.0	190.0	190.0	190.0	190.0
107.5°	238.7	239.1	239.5	240.0	240.4	240.6	240.6	240.6	240.5	240.5	240.2
110°	272.9	272.7	272.6	272.5	272.3	272.5	272.9	273.3	273.8	274.2	273.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	303.5	303.7	303.9	304.1	304.3	304.7	305.2	305.7	306.3	306.8	306.6
115°	349.4	350.3	351.1	352.0	352.8	353.5	354.1	354.7	355.2	355.8	355.6
117.5°	398.4	398.8	399.1	399.5	399.8	400.4	401.1	401.9	402.6	403.3	402.8
120°	428.4	429.2	429.9	430.6	431.3	431.8	432.1	432.4	432.7	432.9	432.5
122.5°	457.1	457.9	458.7	459.5	460.3	460.9	461.1	461.5	461.7	462.0	461.8
125°	500.5	500.9	501.3	501.8	502.2	502.7	503.3	503.9	504.4	505.0	505.0
127.5°	537.1	538.2	539.2	540.3	541.3	542.0	542.3	542.6	542.9	543.2	543.3
130°	563.6	564.4	565.1	565.7	566.5	567.0	567.4	567.9	568.3	568.8	568.6
132.5°	588.2	588.8	589.5	590.3	590.9	591.3	591.4	591.5	591.6	591.7	592.0
135°	621.7	622.5	623.4	624.2	625.1	625.7	625.9	626.2	626.5	626.8	627.0
137.5°	655.3	656.1	656.8	657.5	658.3	658.6	658.5	658.5	658.4	658.4	658.7
140°	675.2	676.0	676.9	677.8	678.7	678.9	678.7	678.3	678.1	677.8	677.9
142.5°	694.1	695.0	695.8	696.7	697.5	697.9	697.8	697.8	697.7	697.7	697.5
145°	721.8	722.6	723.5	724.3	725.1	725.5	725.4	725.2	725.1	725.0	725.0
147.5°	744.6	745.6	746.7	747.6	748.7	749.1	748.9	748.8	748.6	748.4	748.3
150°	759.4	760.5	761.7	762.8	763.9	764.3	764.1	763.8	763.5	763.2	763.0
152.5°	773.1	774.2	775.2	776.2	777.2	777.6	777.3	777.1	776.7	776.5	776.2
155°	791.2	792.4	793.5	794.7	795.8	796.1	795.7	795.3	794.8	794.4	794.2
157.5°	806.4	807.6	808.7	809.8	811.0	811.3	810.9	810.4	809.9	809.5	809.4
160°	816.1	817.3	818.4	819.5	820.7	820.9	820.4	819.8	819.2	818.6	818.6
162.5°	824.8	826.1	827.3	828.5	829.8	830.0	829.2	828.4	827.6	826.9	826.7
165°	836.5	837.6	838.8	839.9	841.1	841.2	840.3	839.5	838.7	837.8	837.6
167.5°	844.7	846.0	847.3	848.5	849.8	849.9	848.9	847.9	846.9	845.9	845.7
170°	849.3	850.5	851.8	853.1	854.4	854.4	853.3	852.2	851.1	849.9	849.8
172.5°	852.3	853.6	854.9	856.1	857.5	857.6	856.6	855.5	854.5	853.5	853.2
175°	856.3	857.6	858.8	860.1	861.4	861.4	860.3	859.2	858.1	857.0	856.8
177.5°	858.6	859.5	860.4	861.3	862.3	862.3	861.4	860.7	859.9	859.1	859.0
180°	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4
2.5°	1026.2	1023.9	1021.1	1016.4	1010.6	1007.5	1002.8	999.8	993.7	988.6	983.2
5°	1078.2	1067.2	1057.1	1044.0	1029.6	1020.3	1009.3	996.9	984.3	971.2	956.8
7.5°	1132.2	1112.7	1091.5	1068.8	1046.5	1026.1	1006.5	987.2	969.3	947.6	929.3
10°	1168.4	1143.9	1117.6	1086.7	1056.7	1030.5	1003.8	980.5	956.8	931.4	908.9
12.5°	1204.7	1172.0	1134.9	1101.0	1064.8	1033.1	1001.8	972.0	942.2	914.1	887.9
15°	1230.3	1201.4	1167.2	1118.9	1078.2	1034.7	993.2	954.6	918.7	887.4	854.4
17.5°	1247.1	1210.0	1173.2	1126.9	1073.6	1024.8	977.9	933.8	893.2	853.5	821.7
20°	1250.2	1212.0	1173.5	1128.2	1073.6	1017.7	970.8	917.8	874.2	833.2	794.2
22.5°	1249.1	1206.0	1164.0	1117.4	1064.1	1012.7	955.9	901.9	854.6	814.2	773.6
25°	1239.6	1193.4	1140.9	1094.0	1041.5	986.8	929.3	873.3	825.1	778.9	738.7
27.5°	1231.6	1171.7	1112.3	1057.5	1006.8	956.8	901.6	844.4	790.9	744.1	706.2
30°	1221.8	1156.2	1089.2	1032.1	980.1	931.4	879.3	823.5	767.5	721.8	681.2
32.5°	1213.0	1136.5	1065.9	1003.7	948.5	901.2	853.2	800.1	745.2	698.8	658.1
35°	1196.0	1107.5	1026.6	956.3	897.5	848.8	808.6	759.0	708.7	663.8	624.8
37.5°	1174.4	1069.3	982.6	908.9	844.4	793.1	755.7	717.6	669.3	626.1	590.8
40°	1157.4	1042.3	950.4	875.1	808.2	754.8	720.2	684.1	643.9	603.7	566.5
42.5°	1136.1	1017.9	917.9	836.8	770.5	718.6	682.2	651.6	616.1	578.6	544.0
45°	1096.9	973.7	865.4	778.1	711.2	660.0	622.3	599.5	572.8	537.2	508.0
47.5°	1039.3	920.6	808.5	718.5	649.5	602.0	566.7	544.8	525.9	499.5	473.0
50°	988.1	881.0	767.5	678.2	609.2	561.3	528.8	508.8	492.8	472.5	450.0
52.5°	930.8	831.2	727.2	639.0	570.6	523.4	491.5	474.0	460.6	446.1	424.0
55°	839.9	755.3	658.8	574.9	511.8	465.7	437.7	422.5	411.5	400.5	386.9
57.5°	739.7	673.5	588.0	511.4	453.3	411.3	385.2	370.4	361.9	356.2	348.2
60°	669.3	612.6	538.9	469.0	412.4	375.1	349.7	338.3	331.1	326.4	320.5
62.5°	604.0	557.4	489.1	425.3	375.8	340.6	317.9	306.8	299.9	297.6	292.7
65°	507.6	471.7	415.3	362.4	320.1	290.0	270.9	260.3	256.1	253.6	254.0
67.5°	412.7	390.8	345.5	300.4	266.6	241.4	226.2	218.0	215.9	212.5	212.5
70°	354.7	338.3	300.2	260.8	230.7	211.2	197.7	189.2	187.1	185.4	185.0
72.5°	303.6	289.2	256.1	224.5	197.5	180.4	169.3	164.2	160.7	159.7	159.6
75°	228.2	220.1	193.9	168.9	150.3	138.4	130.9	126.1	123.6	123.2	123.6
77.5°	162.2	155.2	138.5	120.8	109.1	100.1	93.7	92.0	89.2	89.3	88.8
80°	121.9	117.2	106.7	92.7	83.0	75.3	72.0	69.0	68.2	66.9	68.2
82.5°	88.4	83.4	76.2	67.3	59.3	54.7	51.3	50.4	49.9	49.2	49.6
85°	43.6	44.0	39.8	33.0	29.6	27.1	24.9	24.9	24.5	24.1	24.5
87.5°	16.6	15.7	14.1	12.9	11.0	9.7	9.1	9.3	8.5	8.4	9.0
90°	8.2	7.3	6.2	5.1	4.1	2.9	1.8	0.7	1.8	2.9	4.1
92.5°	8.5	7.6	6.7	6.7	7.4	8.2	9.0	9.8	9.0	8.2	7.4
95°	21.0	26.3	31.7	34.7	35.1	35.5	36.0	36.4	36.0	35.5	35.1
97.5°	52.7	63.3	74.0	78.9	78.2	77.4	76.6	75.9	76.6	77.4	78.2
100°	109.8	109.3	108.7	108.2	107.8	107.3	106.9	106.5	106.9	107.3	107.8
102.5°	140.9	140.6	140.1	139.7	139.2	138.7	138.1	137.6	138.1	138.7	139.2
105°	190.0	190.0	190.0	189.7	189.1	188.6	188.0	187.4	188.0	188.6	189.1
107.5°	239.9	239.6	239.4	239.2	239.2	239.2	239.2	239.2	239.2	239.2	239.2
110°	273.6	273.3	273.0	272.9	272.9	272.9	272.9	272.9	272.9	272.9	272.9





TEST NUMBER: P333223-930

CATALOG NUMBER: S125DIP-S850D810U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	306.5	306.3	306.1	305.9	305.6	305.2	304.8	304.5	304.8	305.2	305.6
115°	355.5	355.4	355.2	354.8	354.1	353.4	352.7	352.0	352.7	353.4	354.1
117.5°	402.3	401.7	401.2	401.0	401.0	401.0	401.0	401.0	401.0	401.0	401.0
120°	432.1	431.6	431.2	431.0	431.2	431.4	431.5	431.6	431.5	431.4	431.2
122.5°	461.6	461.4	461.2	460.8	460.3	459.7	459.3	458.7	459.3	459.7	460.3
125°	505.0	505.0	505.0	504.5	503.5	502.5	501.5	500.5	501.5	502.5	503.5
127.5°	543.4	543.5	543.6	543.2	542.6	541.8	541.1	540.5	541.1	541.8	542.6
130°	568.4	568.3	568.2	567.8	567.0	566.3	565.7	564.9	565.7	566.3	567.0
132.5°	592.3	592.6	593.0	592.7	591.8	591.0	590.2	589.4	590.2	591.0	591.8
135°	627.3	627.6	627.9	627.6	626.8	625.9	625.1	624.2	625.1	625.9	626.8
137.5°	658.9	659.2	659.4	659.2	658.4	657.7	657.0	656.2	657.0	657.7	658.4
140°	678.1	678.2	678.3	678.2	678.0	677.7	677.4	677.1	677.4	677.7	678.0
142.5°	697.2	697.1	696.8	696.7	696.5	696.3	696.2	696.0	696.2	696.3	696.5
145°	725.0	725.0	725.0	724.8	724.6	724.2	724.0	723.7	724.0	724.2	724.6
147.5°	748.0	747.9	747.7	747.7	747.7	747.8	747.9	747.9	747.9	747.8	747.7
150°	762.6	762.4	762.1	762.1	762.4	762.6	763.0	763.2	763.0	762.6	762.4
152.5°	775.9	775.6	775.3	775.5	776.2	776.7	777.4	778.0	777.4	776.7	776.2
155°	793.9	793.6	793.3	793.6	794.4	795.3	796.1	797.0	796.1	795.3	794.4
157.5°	809.4	809.4	809.3	809.6	810.2	810.7	811.1	811.6	811.1	810.7	810.2
160°	818.4	818.2	818.2	818.5	819.3	820.2	821.0	821.9	821.0	820.2	819.3
162.5°	826.6	826.4	826.3	826.6	827.4	828.3	829.2	830.1	829.2	828.3	827.4
165°	837.6	837.4	837.2	837.6	838.5	839.3	840.2	841.0	840.2	839.3	838.5
167.5°	845.5	845.4	845.3	845.6	846.5	847.4	848.3	849.1	848.3	847.4	846.5
170°	849.6	849.5	849.4	849.8	850.8	851.7	852.7	853.8	852.7	851.7	850.8
172.5°	853.0	852.7	852.5	852.8	853.9	854.8	855.8	856.8	855.8	854.8	853.9
175°	856.6	856.5	856.4	856.7	857.6	858.4	859.2	860.1	859.2	858.4	857.6
177.5°	858.8	858.8	858.7	858.9	859.7	860.3	861.0	861.7	861.0	860.3	859.7
180°	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1



TEST NUMBER: P333223-930

CATALOG NUMBER: S125DIP-S850D810U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4
2.5°	980.2	976.4	973.4	966.6	962.9	957.8	953.7	958.1	953.4	955.4	952.4
5°	949.6	937.8	929.3	917.0	906.4	896.7	889.5	888.2	884.8	883.1	878.0
7.5°	912.8	898.0	883.5	867.4	853.8	840.0	831.2	823.9	819.1	812.8	808.5
10°	891.1	871.2	854.4	834.9	817.9	803.1	791.2	785.3	779.8	771.8	768.8
12.5°	864.4	843.8	823.1	802.3	786.1	769.6	759.4	750.4	746.7	737.5	736.6
15°	832.3	801.4	781.1	759.9	737.4	723.9	715.4	705.7	701.5	695.1	690.5
17.5°	794.0	766.5	741.0	719.1	699.9	688.4	677.9	671.2	664.0	659.8	652.2
20°	766.3	740.0	714.6	691.3	676.5	663.4	654.9	648.6	641.0	638.9	631.2
22.5°	742.9	714.0	689.6	670.0	653.8	639.0	629.8	625.6	620.3	613.8	612.2
25°	704.9	674.8	654.1	634.6	620.2	606.7	600.3	594.8	589.7	585.1	583.3
27.5°	672.1	645.1	620.5	602.9	590.4	578.0	572.4	565.7	562.1	558.3	553.8
30°	649.0	621.5	599.9	582.9	569.4	558.4	552.4	547.8	544.5	541.0	538.5
32.5°	625.3	599.8	578.9	562.3	548.8	540.5	535.2	531.9	528.2	524.1	520.9
35°	593.9	566.0	545.7	531.3	520.7	514.4	508.4	505.5	501.2	501.2	497.8
37.5°	558.6	534.5	516.6	503.4	494.0	488.3	481.8	479.8	477.1	475.3	474.2
40°	537.7	515.2	498.3	485.2	475.0	470.3	465.3	461.9	460.2	458.0	457.2
42.5°	516.0	494.6	478.3	466.2	457.4	453.4	448.7	446.3	442.9	440.1	439.6
45°	483.1	462.3	447.5	437.7	430.2	425.5	422.5	417.4	415.7	412.4	411.9
47.5°	451.8	431.9	417.4	409.4	402.7	398.8	394.2	389.1	387.2	385.5	385.3
50°	428.4	410.3	396.6	389.1	382.7	377.2	372.5	369.2	367.9	367.9	368.8
52.5°	404.7	389.2	377.7	368.4	362.4	356.5	352.2	350.2	348.2	350.3	351.8
55°	370.0	354.3	345.8	337.0	331.1	324.2	322.2	321.3	320.1	323.4	325.1
57.5°	333.3	322.3	312.3	303.5	298.2	294.3	291.5	290.9	293.3	294.9	300.4
60°	309.9	297.2	288.3	281.5	275.2	272.6	271.8	270.9	272.6	277.3	284.5
62.5°	284.1	273.9	264.2	259.2	254.5	250.3	250.1	250.6	254.0	259.3	266.5
65°	246.4	237.5	231.1	225.2	221.4	218.9	219.7	221.4	225.2	232.4	240.4
67.5°	208.1	201.9	196.2	191.4	187.8	187.8	188.7	191.2	195.7	204.0	211.3
70°	183.3	176.5	171.9	169.7	166.8	165.1	167.6	171.9	175.7	183.3	189.6
72.5°	158.6	152.9	149.2	147.7	146.5	145.1	145.9	150.5	155.7	163.3	170.7
75°	121.9	119.8	117.2	115.6	114.3	115.1	116.0	120.3	124.5	132.5	141.0
77.5°	88.9	86.7	85.3	84.9	84.1	84.5	87.0	90.1	94.2	100.1	106.5
80°	67.3	66.4	65.6	65.2	65.2	65.6	69.0	71.1	74.9	80.5	85.5
82.5°	49.0	48.5	48.3	48.3	48.6	48.7	50.7	53.5	56.7	60.8	65.2
85°	25.8	24.9	26.3	26.7	25.8	27.1	28.0	29.6	30.9	33.0	35.1
87.5°	9.5	10.4	10.3	10.8	11.0	11.8	11.7	13.1	13.9	14.8	14.6
90°	5.1	6.2	7.3	8.2	9.2	10.2	10.9	11.7	12.3	13.0	13.6
92.5°	6.7	6.7	7.6	8.5	9.3	10.2	10.9	11.7	12.3	13.0	13.5
95°	34.7	31.7	26.3	21.0	15.6	10.2	10.9	11.7	12.3	13.0	13.4
97.5°	78.9	74.0	63.3	52.7	42.0	31.4	27.4	23.4	19.4	15.4	13.4
100°	108.2	108.7	109.3	109.8	110.4	111.0	89.8	68.7	47.6	26.5	15.7
102.5°	139.7	140.1	140.6	140.9	141.2	141.5	137.5	133.5	129.6	125.6	118.8
105°	189.7	190.0	190.0	190.0	190.0	190.0	190.0	190.0	190.0	190.0	190.0
107.5°	239.2	239.4	239.6	239.9	240.2	240.5	240.5	240.6	240.6	240.6	240.4
110°	272.9	273.0	273.3	273.6	273.9	274.2	273.8	273.3	272.9	272.5	272.3



TEST NUMBER: P333223-930

CATALOG NUMBER: S125DIP-S850D810U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	305.9	306.1	306.3	306.5	306.6	306.8	306.3	305.7	305.2	304.7	304.3
115°	354.8	355.2	355.4	355.5	355.6	355.8	355.2	354.7	354.1	353.5	352.8
117.5°	401.0	401.2	401.7	402.3	402.8	403.3	402.6	401.9	401.1	400.4	399.8
120°	431.0	431.2	431.6	432.1	432.5	432.9	432.7	432.4	432.1	431.8	431.3
122.5°	460.8	461.2	461.4	461.6	461.8	462.0	461.7	461.5	461.1	460.9	460.3
125°	504.5	505.0	505.0	505.0	505.0	505.0	504.4	503.9	503.3	502.7	502.2
127.5°	543.2	543.6	543.5	543.4	543.3	543.2	542.9	542.6	542.3	542.0	541.3
130°	567.8	568.2	568.3	568.4	568.6	568.8	568.3	567.9	567.4	567.0	566.5
132.5°	592.7	593.0	592.6	592.3	592.0	591.7	591.6	591.5	591.4	591.3	590.9
135°	627.6	627.9	627.6	627.3	627.0	626.8	626.5	626.2	625.9	625.7	625.1
137.5°	659.2	659.4	659.2	658.9	658.7	658.4	658.4	658.5	658.5	658.6	658.3
140°	678.2	678.3	678.2	678.1	677.9	677.8	678.1	678.3	678.7	678.9	678.7
142.5°	696.7	696.8	697.1	697.2	697.5	697.7	697.7	697.8	697.8	697.9	697.5
145°	724.8	725.0	725.0	725.0	725.0	725.0	725.1	725.2	725.4	725.5	725.1
147.5°	747.7	747.7	747.9	748.0	748.3	748.4	748.6	748.8	748.9	749.1	748.7
150°	762.1	762.1	762.4	762.6	763.0	763.2	763.5	763.8	764.1	764.3	763.9
152.5°	775.5	775.3	775.6	775.9	776.2	776.5	776.7	777.1	777.3	777.6	777.2
155°	793.6	793.3	793.6	793.9	794.2	794.4	794.8	795.3	795.7	796.1	795.8
157.5°	809.6	809.3	809.4	809.4	809.4	809.5	809.9	810.4	810.9	811.3	811.0
160°	818.5	818.2	818.2	818.4	818.6	818.6	819.2	819.8	820.4	820.9	820.7
162.5°	826.6	826.3	826.4	826.6	826.7	826.9	827.6	828.4	829.2	830.0	829.8
165°	837.6	837.2	837.4	837.6	837.6	837.8	838.7	839.5	840.3	841.2	841.1
167.5°	845.6	845.3	845.4	845.5	845.7	845.9	846.9	847.9	848.9	849.9	849.8
170°	849.8	849.4	849.5	849.6	849.8	849.9	851.1	852.2	853.3	854.4	854.4
172.5°	852.8	852.5	852.7	853.0	853.2	853.5	854.5	855.5	856.6	857.6	857.5
175°	856.7	856.4	856.5	856.6	856.8	857.0	858.1	859.2	860.3	861.4	861.4
177.5°	858.9	858.7	858.8	858.8	859.0	859.1	859.9	860.7	861.4	862.3	862.3
180°	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1



TEST NUMBER: P333223-930

CATALOG NUMBER: S125DIP-S850D810U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4
2.5°	950.3	952.7	950.6	953.4	950.6	952.7	950.3	952.4	955.4	953.4	958.1
5°	875.9	872.1	874.7	872.9	874.7	872.1	875.9	878.0	883.1	884.8	888.2
7.5°	807.1	803.5	799.4	797.4	799.4	803.5	807.1	808.5	812.8	819.1	823.9
10°	764.2	759.5	759.0	756.1	759.0	759.5	764.2	768.8	771.8	779.8	785.3
12.5°	732.6	728.3	723.5	722.3	723.5	728.3	732.6	736.6	737.5	746.7	750.4
15°	687.9	684.5	681.6	684.1	681.6	684.5	687.9	690.5	695.1	701.5	705.7
17.5°	650.8	648.0	647.4	644.3	647.4	648.0	650.8	652.2	659.8	664.0	671.2
20°	627.4	625.3	626.1	620.6	626.1	625.3	627.4	631.2	638.9	641.0	648.6
22.5°	608.8	604.6	604.1	603.0	604.1	604.6	608.8	612.2	613.8	620.3	625.6
25°	579.6	577.5	575.4	577.5	575.4	577.5	579.6	583.3	585.1	589.7	594.8
27.5°	554.1	551.5	551.0	551.2	551.0	551.5	554.1	553.8	558.3	562.1	565.7
30°	538.5	534.3	534.7	534.3	534.7	534.3	538.5	538.5	541.0	544.5	547.8
32.5°	521.5	518.7	518.1	517.3	518.1	518.7	521.5	520.9	524.1	528.2	531.9
35°	496.6	496.6	494.5	494.5	494.5	496.6	496.6	497.8	501.2	501.2	505.5
37.5°	473.1	472.7	471.4	471.7	471.4	472.7	473.1	474.2	475.3	477.1	479.8
40°	455.5	455.1	453.8	451.3	453.8	455.1	455.5	457.2	458.0	460.2	461.9
42.5°	438.5	437.2	436.6	435.7	436.6	437.2	438.5	439.6	440.1	442.9	446.3
45°	411.9	411.9	411.1	410.7	411.1	411.9	411.9	411.9	412.4	415.7	417.4
47.5°	386.0	386.8	388.4	388.2	388.4	386.8	386.0	385.3	385.5	387.2	389.1
50°	370.4	370.9	372.1	372.5	372.1	370.9	370.4	368.8	367.9	367.9	369.2
52.5°	353.2	355.6	357.2	356.9	357.2	355.6	353.2	351.8	350.3	348.2	350.2
55°	329.0	331.9	334.8	335.3	334.8	331.9	329.0	325.1	323.4	320.1	321.3
57.5°	305.0	309.2	312.3	313.2	312.3	309.2	305.0	300.4	294.9	293.3	290.9
60°	288.7	294.2	298.1	299.7	298.1	294.2	288.7	284.5	277.3	272.6	270.9
62.5°	273.1	279.3	283.2	283.5	283.2	279.3	273.1	266.5	259.3	254.0	250.6
65°	247.7	254.0	257.4	259.9	257.4	254.0	247.7	240.4	232.4	225.2	221.4
67.5°	220.2	226.6	230.3	232.4	230.3	226.6	220.2	211.3	204.0	195.7	191.2
70°	200.2	206.6	211.7	213.4	211.7	206.6	200.2	189.6	183.3	175.7	171.9
72.5°	180.6	186.3	190.4	192.3	190.4	186.3	180.6	170.7	163.3	155.7	150.5
75°	146.5	154.1	157.9	160.0	157.9	154.1	146.5	141.0	132.5	124.5	120.3
77.5°	112.9	119.9	122.2	123.3	122.2	119.9	112.9	106.5	100.1	94.2	90.1
80°	90.6	94.8	97.8	98.2	97.8	94.8	90.6	85.5	80.5	74.9	71.1
82.5°	69.6	73.1	74.1	75.2	74.1	73.1	69.6	65.2	60.8	56.7	53.5
85°	38.1	39.8	40.2	39.8	40.2	39.8	38.1	35.1	33.0	30.9	29.6
87.5°	15.3	15.1	15.2	15.9	15.2	15.1	15.3	14.6	14.8	13.9	13.1
90°	14.0	14.4	14.8	15.3	14.8	14.4	14.0	13.6	13.0	12.3	11.7
92.5°	13.7	13.9	14.1	14.3	14.1	13.9	13.7	13.5	13.0	12.3	11.7
95°	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.0	12.3	11.7
97.5°	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	15.4	19.4	23.4
100°	15.1	14.5	13.9	13.4	13.9	14.5	15.1	15.7	26.5	47.6	68.7
102.5°	109.1	99.5	89.8	80.2	89.8	99.5	109.1	118.8	125.6	129.6	133.5
105°	189.8	189.6	189.5	189.4	189.5	189.6	189.8	190.0	190.0	190.0	190.0
107.5°	240.0	239.5	239.1	238.7	239.1	239.5	240.0	240.4	240.6	240.6	240.6
110°	272.5	272.6	272.7	272.9	272.7	272.6	272.5	272.3	272.5	272.9	273.3



TEST NUMBER: P333223-930

CATALOG NUMBER: S125DIP-S850D810U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	304.1	303.9	303.7	303.5	303.7	303.9	304.1	304.3	304.7	305.2	305.7
115°	352.0	351.1	350.3	349.4	350.3	351.1	352.0	352.8	353.5	354.1	354.7
117.5°	399.5	399.1	398.8	398.4	398.8	399.1	399.5	399.8	400.4	401.1	401.9
120°	430.6	429.9	429.2	428.4	429.2	429.9	430.6	431.3	431.8	432.1	432.4
122.5°	459.5	458.7	457.9	457.1	457.9	458.7	459.5	460.3	460.9	461.1	461.5
125°	501.8	501.3	500.9	500.5	500.9	501.3	501.8	502.2	502.7	503.3	503.9
127.5°	540.3	539.2	538.2	537.1	538.2	539.2	540.3	541.3	542.0	542.3	542.6
130°	565.7	565.1	564.4	563.6	564.4	565.1	565.7	566.5	567.0	567.4	567.9
132.5°	590.3	589.5	588.8	588.2	588.8	589.5	590.3	590.9	591.3	591.4	591.5
135°	624.2	623.4	622.5	621.7	622.5	623.4	624.2	625.1	625.7	625.9	626.2
137.5°	657.5	656.8	656.1	655.3	656.1	656.8	657.5	658.3	658.6	658.5	658.5
140°	677.8	676.9	676.0	675.2	676.0	676.9	677.8	678.7	678.9	678.7	678.3
142.5°	696.7	695.8	695.0	694.1	695.0	695.8	696.7	697.5	697.9	697.8	697.8
145°	724.3	723.5	722.6	721.8	722.6	723.5	724.3	725.1	725.5	725.4	725.2
147.5°	747.6	746.7	745.6	744.6	745.6	746.7	747.6	748.7	749.1	748.9	748.8
150°	762.8	761.7	760.5	759.4	760.5	761.7	762.8	763.9	764.3	764.1	763.8
152.5°	776.2	775.2	774.2	773.1	774.2	775.2	776.2	777.2	777.6	777.3	777.1
155°	794.7	793.5	792.4	791.2	792.4	793.5	794.7	795.8	796.1	795.7	795.3
157.5°	809.8	808.7	807.6	806.4	807.6	808.7	809.8	811.0	811.3	810.9	810.4
160°	819.5	818.4	817.3	816.1	817.3	818.4	819.5	820.7	820.9	820.4	819.8
162.5°	828.5	827.3	826.1	824.8	826.1	827.3	828.5	829.8	830.0	829.2	828.4
165°	839.9	838.8	837.6	836.5	837.6	838.8	839.9	841.1	841.2	840.3	839.5
167.5°	848.5	847.3	846.0	844.7	846.0	847.3	848.5	849.8	849.9	848.9	847.9
170°	853.1	851.8	850.5	849.3	850.5	851.8	853.1	854.4	854.4	853.3	852.2
172.5°	856.1	854.9	853.6	852.3	853.6	854.9	856.1	857.5	857.6	856.6	855.5
175°	860.1	858.8	857.6	856.3	857.6	858.8	860.1	861.4	861.4	860.3	859.2
177.5°	861.3	860.4	859.5	858.6	859.5	860.4	861.3	862.3	862.3	861.4	860.7
180°	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1



TEST NUMBER: P333223-930

CATALOG NUMBER: S125DIP-S850D810U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4
2.5°	953.7	957.8	962.9	966.6	973.4	976.4	980.2	983.2	988.6	993.7	999.8
5°	889.5	896.7	906.4	917.0	929.3	937.8	949.6	956.8	971.2	984.3	996.9
7.5°	831.2	840.0	853.8	867.4	883.5	898.0	912.8	929.3	947.6	969.3	987.2
10°	791.2	803.1	817.9	834.9	854.4	871.2	891.1	908.9	931.4	956.8	980.5
12.5°	759.4	769.6	786.1	802.3	823.1	843.8	864.4	887.9	914.1	942.2	972.0
15°	715.4	723.9	737.4	759.9	781.1	801.4	832.3	854.4	887.4	918.7	954.6
17.5°	677.9	688.4	699.9	719.1	741.0	766.5	794.0	821.7	853.5	893.2	933.8
20°	654.9	663.4	676.5	691.3	714.6	740.0	766.3	794.2	833.2	874.2	917.8
22.5°	629.8	639.0	653.8	670.0	689.6	714.0	742.9	773.6	814.2	854.6	901.9
25°	600.3	606.7	620.2	634.6	654.1	674.8	704.9	738.7	778.9	825.1	873.3
27.5°	572.4	578.0	590.4	602.9	620.5	645.1	672.1	706.2	744.1	790.9	844.4
30°	552.4	558.4	569.4	582.9	599.9	621.5	649.0	681.2	721.8	767.5	823.5
32.5°	535.2	540.5	548.8	562.3	578.9	599.8	625.3	658.1	698.8	745.2	800.1
35°	508.4	514.4	520.7	531.3	545.7	566.0	593.9	624.8	663.8	708.7	759.0
37.5°	481.8	488.3	494.0	503.4	516.6	534.5	558.6	590.8	626.1	669.3	717.6
40°	465.3	470.3	475.0	485.2	498.3	515.2	537.7	566.5	603.7	643.9	684.1
42.5°	448.7	453.4	457.4	466.2	478.3	494.6	516.0	544.0	578.6	616.1	651.6
45°	422.5	425.5	430.2	437.7	447.5	462.3	483.1	508.0	537.2	572.8	599.5
47.5°	394.2	398.8	402.7	409.4	417.4	431.9	451.8	473.0	499.5	525.9	544.8
50°	372.5	377.2	382.7	389.1	396.6	410.3	428.4	450.0	472.5	492.8	508.8
52.5°	352.2	356.5	362.4	368.4	377.7	389.2	404.7	424.0	446.1	460.6	474.0
55°	322.2	324.2	331.1	337.0	345.8	354.3	370.0	386.9	400.5	411.5	422.5
57.5°	291.5	294.3	298.2	303.5	312.3	322.3	333.3	348.2	356.2	361.9	370.4
60°	271.8	272.6	275.2	281.5	288.3	297.2	309.9	320.5	326.4	331.1	338.3
62.5°	250.1	250.3	254.5	259.2	264.2	273.9	284.1	292.7	297.6	299.9	306.8
65°	219.7	218.9	221.4	225.2	231.1	237.5	246.4	254.0	253.6	256.1	260.3
67.5°	188.7	187.8	187.8	191.4	196.2	201.9	208.1	212.5	212.5	215.9	218.0
70°	167.6	165.1	166.8	169.7	171.9	176.5	183.3	185.0	185.4	187.1	189.2
72.5°	145.9	145.1	146.5	147.7	149.2	152.9	158.6	159.6	159.7	160.7	164.2
75°	116.0	115.1	114.3	115.6	117.2	119.8	121.9	123.6	123.2	123.6	126.1
77.5°	87.0	84.5	84.1	84.9	85.3	86.7	88.9	88.8	89.3	89.2	92.0
80°	69.0	65.6	65.2	65.2	65.6	66.4	67.3	68.2	66.9	68.2	69.0
82.5°	50.7	48.7	48.6	48.3	48.3	48.5	49.0	49.6	49.2	49.9	50.4
85°	28.0	27.1	25.8	26.7	26.3	24.9	25.8	24.5	24.1	24.5	24.9
87.5°	11.7	11.8	11.0	10.8	10.3	10.4	9.5	9.0	8.4	8.5	9.3
90°	10.9	10.2	9.2	8.2	7.3	6.2	5.1	4.1	2.9	1.8	0.7
92.5°	10.9	10.2	9.3	8.5	7.6	6.7	6.7	7.4	8.2	9.0	9.8
95°	10.9	10.2	15.6	21.0	26.3	31.7	34.7	35.1	35.5	36.0	36.4
97.5°	27.4	31.4	42.0	52.7	63.3	74.0	78.9	78.2	77.4	76.6	75.9
100°	89.8	111.0	110.4	109.8	109.3	108.7	108.2	107.8	107.3	106.9	106.5
102.5°	137.5	141.5	141.2	140.9	140.6	140.1	139.7	139.2	138.7	138.1	137.6
105°	190.0	190.0	190.0	190.0	190.0	190.0	189.7	189.1	188.6	188.0	187.4
107.5°	240.5	240.5	240.2	239.9	239.6	239.4	239.2	239.2	239.2	239.2	239.2
110°	273.8	274.2	273.9	273.6	273.3	273.0	272.9	272.9	272.9	272.9	272.9



TEST NUMBER: P333223-930

CATALOG NUMBER: S125DIP-S850D810U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	306.3	306.8	306.6	306.5	306.3	306.1	305.9	305.6	305.2	304.8	304.5
115°	355.2	355.8	355.6	355.5	355.4	355.2	354.8	354.1	353.4	352.7	352.0
117.5°	402.6	403.3	402.8	402.3	401.7	401.2	401.0	401.0	401.0	401.0	401.0
120°	432.7	432.9	432.5	432.1	431.6	431.2	431.0	431.2	431.4	431.5	431.6
122.5°	461.7	462.0	461.8	461.6	461.4	461.2	460.8	460.3	459.7	459.3	458.7
125°	504.4	505.0	505.0	505.0	505.0	505.0	504.5	503.5	502.5	501.5	500.5
127.5°	542.9	543.2	543.3	543.4	543.5	543.6	543.2	542.6	541.8	541.1	540.5
130°	568.3	568.8	568.6	568.4	568.3	568.2	567.8	567.0	566.3	565.7	564.9
132.5°	591.6	591.7	592.0	592.3	592.6	593.0	592.7	591.8	591.0	590.2	589.4
135°	626.5	626.8	627.0	627.3	627.6	627.9	627.6	626.8	625.9	625.1	624.2
137.5°	658.4	658.4	658.7	658.9	659.2	659.4	659.2	658.4	657.7	657.0	656.2
140°	678.1	677.8	677.9	678.1	678.2	678.3	678.2	678.0	677.7	677.4	677.1
142.5°	697.7	697.7	697.5	697.2	697.1	696.8	696.7	696.5	696.3	696.2	696.0
145°	725.1	725.0	725.0	725.0	725.0	725.0	724.8	724.6	724.2	724.0	723.7
147.5°	748.6	748.4	748.3	748.0	747.9	747.7	747.7	747.7	747.8	747.9	747.9
150°	763.5	763.2	763.0	762.6	762.4	762.1	762.1	762.4	762.6	763.0	763.2
152.5°	776.7	776.5	776.2	775.9	775.6	775.3	775.5	776.2	776.7	777.4	778.0
155°	794.8	794.4	794.2	793.9	793.6	793.3	793.6	794.4	795.3	796.1	797.0
157.5°	809.9	809.5	809.4	809.4	809.4	809.3	809.6	810.2	810.7	811.1	811.6
160°	819.2	818.6	818.6	818.4	818.2	818.2	818.5	819.3	820.2	821.0	821.9
162.5°	827.6	826.9	826.7	826.6	826.4	826.3	826.6	827.4	828.3	829.2	830.1
165°	838.7	837.8	837.6	837.6	837.4	837.2	837.6	838.5	839.3	840.2	841.0
167.5°	846.9	845.9	845.7	845.5	845.4	845.3	845.6	846.5	847.4	848.3	849.1
170°	851.1	849.9	849.8	849.6	849.5	849.4	849.8	850.8	851.7	852.7	853.8
172.5°	854.5	853.5	853.2	853.0	852.7	852.5	852.8	853.9	854.8	855.8	856.8
175°	858.1	857.0	856.8	856.6	856.5	856.4	856.7	857.6	858.4	859.2	860.1
177.5°	859.9	859.1	859.0	858.8	858.8	858.7	858.9	859.7	860.3	861.0	861.7
180°	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1



TEST NUMBER: P333223-930

CATALOG NUMBER: S125DIP-S850D810U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4
2.5°	1002.8	1007.5	1010.6	1016.4	1021.1	1023.9	1026.2	1028.3	1030.6	1032.7	1038.4
5°	1009.3	1020.3	1029.6	1044.0	1057.1	1067.2	1078.2	1088.0	1096.1	1107.5	1116.4
7.5°	1006.5	1026.1	1046.5	1068.8	1091.5	1112.7	1132.2	1150.4	1166.9	1186.9	1204.4
10°	1003.8	1030.5	1056.7	1086.7	1117.6	1143.9	1168.4	1193.4	1211.6	1237.1	1258.6
12.5°	1001.8	1033.1	1064.8	1101.0	1134.9	1172.0	1204.7	1222.9	1250.6	1270.9	1296.6
15°	993.2	1034.7	1078.2	1118.9	1167.2	1201.4	1230.3	1265.8	1291.6	1317.4	1345.4
17.5°	977.9	1024.8	1073.6	1126.9	1173.2	1210.0	1247.1	1281.4	1312.2	1346.9	1381.6
20°	970.8	1017.7	1073.6	1128.2	1173.5	1212.0	1250.2	1287.8	1321.7	1366.1	1406.4
22.5°	955.9	1012.7	1064.1	1117.4	1164.0	1206.0	1249.1	1291.9	1336.9	1387.2	1437.5
25°	929.3	986.8	1041.5	1094.0	1140.9	1193.4	1239.6	1296.7	1354.3	1420.7	1483.4
27.5°	901.6	956.8	1006.8	1057.5	1112.3	1171.7	1231.6	1296.5	1371.8	1455.7	1544.1
30°	879.3	931.4	980.1	1032.1	1089.2	1156.2	1221.8	1298.9	1386.0	1480.4	1585.4
32.5°	853.2	901.2	948.5	1003.7	1065.9	1136.5	1213.0	1297.5	1402.3	1509.6	1617.6
35°	808.6	848.8	897.5	956.3	1026.6	1107.5	1196.0	1295.8	1416.1	1539.3	1630.4
37.5°	755.7	793.1	844.4	908.9	982.6	1069.3	1174.4	1292.9	1420.6	1518.8	1548.2
40°	720.2	754.8	808.2	875.1	950.4	1042.3	1157.4	1282.7	1406.4	1469.0	1444.9
42.5°	682.2	718.6	770.5	836.8	917.9	1017.9	1136.1	1261.4	1365.1	1388.8	1305.4
45°	622.3	660.0	711.2	778.1	865.4	973.7	1096.9	1210.8	1270.5	1227.7	1098.6
47.5°	566.7	602.0	649.5	718.5	808.5	920.6	1039.3	1130.1	1134.8	1032.8	894.9
50°	528.8	561.3	609.2	678.2	767.5	881.0	988.1	1059.6	1027.4	911.9	779.3
52.5°	491.5	523.4	570.6	639.0	727.2	831.2	930.8	981.0	920.5	801.8	688.6
55°	437.7	465.7	511.8	574.9	658.8	755.3	839.9	857.3	778.5	661.7	569.8
57.5°	385.2	411.3	453.3	511.4	588.0	673.5	739.7	736.1	652.8	552.5	479.6
60°	349.7	375.1	412.4	469.0	538.9	612.6	669.3	655.7	573.2	486.8	425.5
62.5°	317.9	340.6	375.8	425.3	489.1	557.4	604.0	584.0	503.1	427.5	379.0
65°	270.9	290.0	320.1	362.4	415.3	471.7	507.6	481.8	412.8	353.9	315.0
67.5°	226.2	241.4	266.6	300.4	345.5	390.8	412.7	386.7	331.5	288.5	259.7
70°	197.7	211.2	230.7	260.8	300.2	338.3	354.7	331.5	284.1	247.2	226.5
72.5°	169.3	180.4	197.5	224.5	256.1	289.2	303.6	281.4	242.4	211.3	191.9
75°	130.9	138.4	150.3	168.9	193.9	220.1	228.2	208.7	183.8	160.5	147.7
77.5°	93.7	100.1	109.1	120.8	138.5	155.2	162.2	151.0	131.7	116.9	106.5
80°	72.0	75.3	83.0	92.7	106.7	117.2	121.9	114.7	101.2	90.2	82.1
82.5°	51.3	54.7	59.3	67.3	76.2	83.4	88.4	83.6	73.8	65.1	60.4
85°	24.9	27.1	29.6	33.0	39.8	44.0	43.6	40.6	36.9	33.4	30.9
87.5°	9.1	9.7	11.0	12.9	14.1	15.7	16.6	16.1	14.9	14.0	13.1
90°	1.8	2.9	4.1	5.1	6.2	7.3	8.2	9.2	10.2	10.9	11.7
92.5°	9.0	8.2	7.4	6.7	6.7	7.6	8.5	9.3	10.2	10.9	11.7
95°	36.0	35.5	35.1	34.7	31.7	26.3	21.0	15.6	10.2	10.9	11.7
97.5°	76.6	77.4	78.2	78.9	74.0	63.3	52.7	42.0	31.4	27.4	23.4
100°	106.9	107.3	107.8	108.2	108.7	109.3	109.8	110.4	111.0	89.8	68.7
102.5°	138.1	138.7	139.2	139.7	140.1	140.6	140.9	141.2	141.5	137.5	133.5
105°	188.0	188.6	189.1	189.7	190.0	190.0	190.0	190.0	190.0	190.0	190.0
107.5°	239.2	239.2	239.2	239.2	239.4	239.6	239.9	240.2	240.5	240.5	240.6
110°	272.9	272.9	272.9	272.9	273.0	273.3	273.6	273.9	274.2	273.8	273.3





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	304.8	305.2	305.6	305.9	306.1	306.3	306.5	306.6	306.8	306.3	305.7
115°	352.7	353.4	354.1	354.8	355.2	355.4	355.5	355.6	355.8	355.2	354.7
117.5°	401.0	401.0	401.0	401.0	401.2	401.7	402.3	402.8	403.3	402.6	401.9
120°	431.5	431.4	431.2	431.0	431.2	431.6	432.1	432.5	432.9	432.7	432.4
122.5°	459.3	459.7	460.3	460.8	461.2	461.4	461.6	461.8	462.0	461.7	461.5
125°	501.5	502.5	503.5	504.5	505.0	505.0	505.0	505.0	505.0	504.4	503.9
127.5°	541.1	541.8	542.6	543.2	543.6	543.5	543.4	543.3	543.2	542.9	542.6
130°	565.7	566.3	567.0	567.8	568.2	568.3	568.4	568.6	568.8	568.3	567.9
132.5°	590.2	591.0	591.8	592.7	593.0	592.6	592.3	592.0	591.7	591.6	591.5
135°	625.1	625.9	626.8	627.6	627.9	627.6	627.3	627.0	626.8	626.5	626.2
137.5°	657.0	657.7	658.4	659.2	659.4	659.2	658.9	658.7	658.4	658.4	658.5
140°	677.4	677.7	678.0	678.2	678.3	678.2	678.1	677.9	677.8	678.1	678.3
142.5°	696.2	696.3	696.5	696.7	696.8	697.1	697.2	697.5	697.7	697.7	697.8
145°	724.0	724.2	724.6	724.8	725.0	725.0	725.0	725.0	725.0	725.1	725.2
147.5°	747.9	747.8	747.7	747.7	747.7	747.9	748.0	748.3	748.4	748.6	748.8
150°	763.0	762.6	762.4	762.1	762.1	762.4	762.6	763.0	763.2	763.5	763.8
152.5°	777.4	776.7	776.2	775.5	775.3	775.6	775.9	776.2	776.5	776.7	777.1
155°	796.1	795.3	794.4	793.6	793.3	793.6	793.9	794.2	794.4	794.8	795.3
157.5°	811.1	810.7	810.2	809.6	809.3	809.4	809.4	809.4	809.5	809.9	810.4
160°	821.0	820.2	819.3	818.5	818.2	818.2	818.4	818.6	818.6	819.2	819.8
162.5°	829.2	828.3	827.4	826.6	826.3	826.4	826.6	826.7	826.9	827.6	828.4
165°	840.2	839.3	838.5	837.6	837.2	837.4	837.6	837.6	837.8	838.7	839.5
167.5°	848.3	847.4	846.5	845.6	845.3	845.4	845.5	845.7	845.9	846.9	847.9
170°	852.7	851.7	850.8	849.8	849.4	849.5	849.6	849.8	849.9	851.1	852.2
172.5°	855.8	854.8	853.9	852.8	852.5	852.7	853.0	853.2	853.5	854.5	855.5
175°	859.2	858.4	857.6	856.7	856.4	856.5	856.6	856.8	857.0	858.1	859.2
177.5°	861.0	860.3	859.7	858.9	858.7	858.8	858.8	859.0	859.1	859.9	860.7
180°	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	997.4	997.4	997.4	997.4	997.4	997.4	997.4
2.5°	1043.1	1045.9	1051.6	1049.5	1052.3	1053.6	1055.0
5°	1127.4	1140.9	1146.9	1146.0	1154.9	1152.8	1150.6
7.5°	1222.5	1236.8	1244.7	1254.7	1260.4	1260.8	1265.8
10°	1276.4	1295.0	1302.7	1313.2	1320.0	1323.8	1323.4
12.5°	1317.7	1332.3	1349.4	1354.5	1363.7	1368.5	1366.8
15°	1367.4	1390.7	1408.5	1417.4	1428.8	1432.2	1436.9
17.5°	1411.8	1443.0	1463.8	1491.3	1501.8	1508.1	1504.4
20°	1445.3	1486.4	1507.2	1540.2	1558.4	1568.1	1564.7
22.5°	1484.9	1529.4	1567.7	1596.4	1624.1	1637.2	1639.9
25°	1552.8	1613.8	1670.1	1707.8	1742.1	1750.1	1767.9
27.5°	1628.7	1700.6	1760.8	1800.4	1824.3	1833.3	1838.8
30°	1676.5	1748.0	1793.3	1818.7	1826.4	1825.5	1824.6
32.5°	1699.8	1744.7	1753.3	1746.2	1728.8	1714.1	1698.7
35°	1666.7	1633.3	1583.3	1519.0	1471.5	1423.8	1419.0
37.5°	1499.0	1392.0	1308.9	1216.0	1162.5	1129.4	1106.4
40°	1341.2	1219.7	1118.9	1040.6	985.9	964.4	943.2
42.5°	1169.8	1053.7	964.5	899.0	857.9	834.0	817.3
45°	950.4	848.0	778.1	730.7	698.1	679.5	668.9
47.5°	778.8	703.0	643.7	609.4	586.9	572.4	572.5
50°	686.6	614.2	574.9	547.8	528.3	516.9	519.0
52.5°	605.0	551.0	517.3	494.6	480.2	473.2	473.0
55°	505.9	466.9	444.9	428.4	418.7	410.7	412.4
57.5°	432.8	399.9	385.1	371.5	364.7	361.4	356.8
60°	387.3	362.0	349.3	338.3	331.5	329.0	324.2
62.5°	347.1	327.1	314.7	305.7	299.6	298.8	295.1
65°	291.7	276.5	265.5	261.2	254.9	253.2	253.2
67.5°	240.4	229.5	221.0	217.1	214.3	214.7	212.7
70°	208.3	199.4	193.9	189.6	187.5	187.9	186.3
72.5°	182.2	172.3	167.5	164.9	162.2	163.2	162.6
75°	138.0	132.9	130.4	127.8	126.1	125.3	124.5
77.5°	101.3	96.9	94.9	93.5	93.8	91.7	93.3
80°	78.4	74.5	73.2	71.1	70.7	70.7	70.3
82.5°	57.3	55.2	54.3	52.5	51.8	52.4	51.3
85°	29.6	28.0	27.6	27.6	26.7	25.8	28.0
87.5°	13.3	12.1	12.2	12.0	12.1	11.8	11.2
90°	12.3	13.0	13.6	14.0	14.4	14.8	15.3
92.5°	12.3	13.0	13.5	13.7	13.9	14.1	14.3
95°	12.3	13.0	13.4	13.4	13.4	13.4	13.4
97.5°	19.4	15.4	13.4	13.4	13.4	13.4	13.4
100°	47.6	26.5	15.7	15.1	14.5	13.9	13.4
102.5°	129.6	125.6	118.8	109.1	99.5	89.8	80.2
105°	190.0	190.0	190.0	189.8	189.6	189.5	189.4
107.5°	240.6	240.6	240.4	240.0	239.5	239.1	238.7
110°	272.9	272.5	272.3	272.5	272.6	272.7	272.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	305.2	304.7	304.3	304.1	303.9	303.7	303.5
115°	354.1	353.5	352.8	352.0	351.1	350.3	349.4
117.5°	401.1	400.4	399.8	399.5	399.1	398.8	398.4
120°	432.1	431.8	431.3	430.6	429.9	429.2	428.4
122.5°	461.1	460.9	460.3	459.5	458.7	457.9	457.1
125°	503.3	502.7	502.2	501.8	501.3	500.9	500.5
127.5°	542.3	542.0	541.3	540.3	539.2	538.2	537.1
130°	567.4	567.0	566.5	565.7	565.1	564.4	563.6
132.5°	591.4	591.3	590.9	590.3	589.5	588.8	588.2
135°	625.9	625.7	625.1	624.2	623.4	622.5	621.7
137.5°	658.5	658.6	658.3	657.5	656.8	656.1	655.3
140°	678.7	678.9	678.7	677.8	676.9	676.0	675.2
142.5°	697.8	697.9	697.5	696.7	695.8	695.0	694.1
145°	725.4	725.5	725.1	724.3	723.5	722.6	721.8
147.5°	748.9	749.1	748.7	747.6	746.7	745.6	744.6
150°	764.1	764.3	763.9	762.8	761.7	760.5	759.4
152.5°	777.3	777.6	777.2	776.2	775.2	774.2	773.1
155°	795.7	796.1	795.8	794.7	793.5	792.4	791.2
157.5°	810.9	811.3	811.0	809.8	808.7	807.6	806.4
160°	820.4	820.9	820.7	819.5	818.4	817.3	816.1
162.5°	829.2	830.0	829.8	828.5	827.3	826.1	824.8
165°	840.3	841.2	841.1	839.9	838.8	837.6	836.5
167.5°	848.9	849.9	849.8	848.5	847.3	846.0	844.7
170°	853.3	854.4	854.4	853.1	851.8	850.5	849.3
172.5°	856.6	857.6	857.5	856.1	854.9	853.6	852.3
175°	860.3	861.4	861.4	860.1	858.8	857.6	856.3
177.5°	861.4	862.3	862.3	861.3	860.4	859.5	858.6
180°	860.1	860.1	860.1	860.1	860.1	860.1	860.1

(END OF REPORT)