

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: P333243-930

Luminaire Tested: **S125DIP-S850D1205U930-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333243-930  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125DIP-S850D1205U930-4F0-1E-UDD-A4  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1205 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6340.8 lumens  
Efficiency: N/A  
Efficacy: 111.4 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

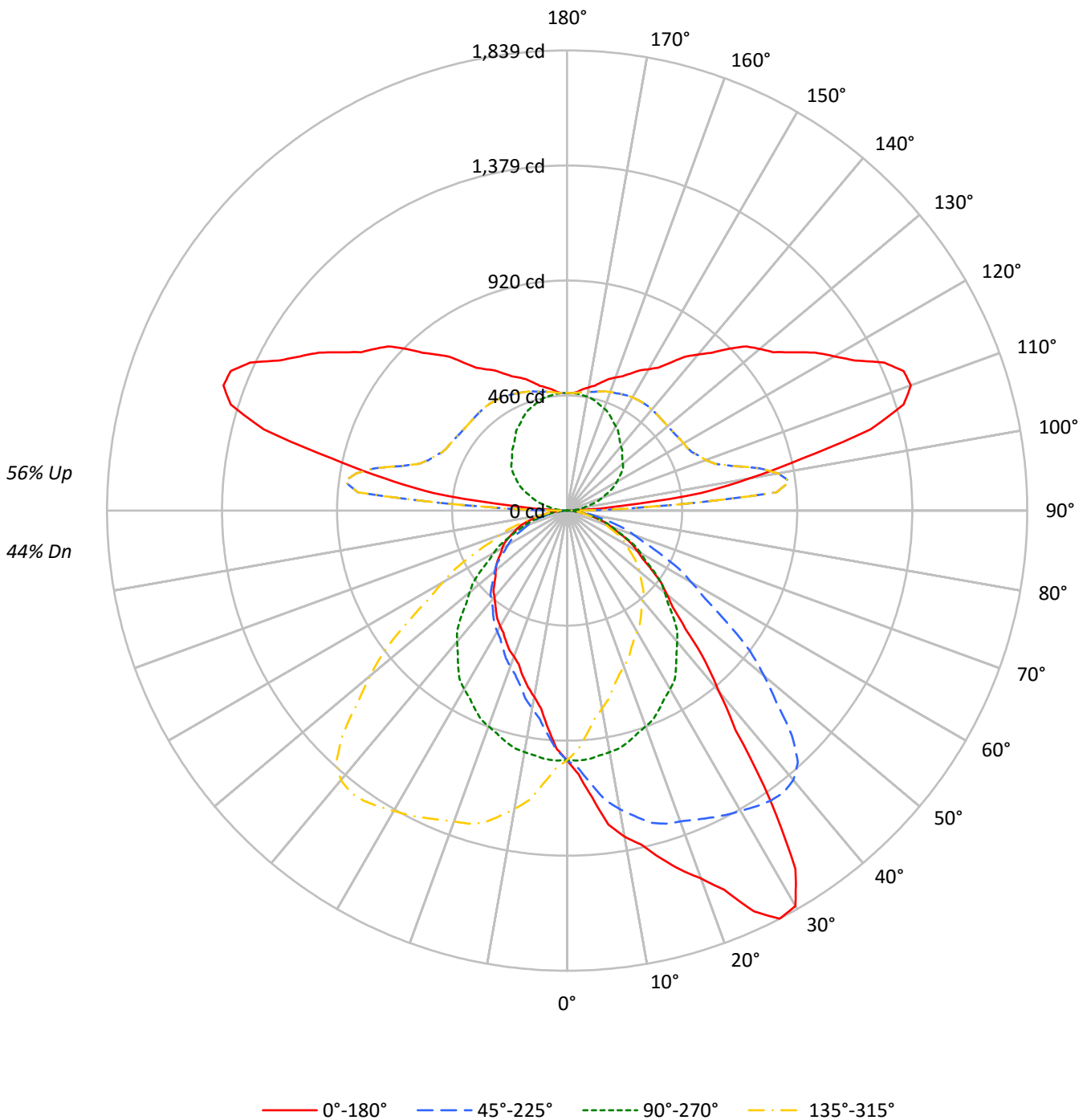
Input Watts (W): 56.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																		
0	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	44
1	97	93	89	85	88	85	82	79	71	68	66	57	56	54	45	44	43	38
2	88	81	75	70	81	74	69	65	62	58	55	51	48	46	40	38	37	32
3	81	71	64	58	74	66	59	54	55	50	47	45	42	39	36	33	32	27
4	74	63	55	50	67	58	51	46	49	44	40	40	36	33	32	29	27	24
5	68	56	48	42	62	52	45	40	44	38	34	36	32	29	29	26	24	20
6	62	50	42	37	57	47	40	34	39	34	30	33	28	25	26	23	21	18
7	58	46	38	32	53	42	35	30	36	30	26	30	25	22	24	21	19	16
8	53	41	34	28	49	38	31	27	32	27	23	27	23	20	22	19	17	14
9	50	38	30	25	46	35	28	24	30	24	21	25	21	18	20	17	15	13
10	46	34	27	23	43	32	26	21	27	22	19	23	19	16	19	16	14	12

**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	1.5
10°-20°	285.9	4.5
20°-30°	464.2	7.3
30°-40°	566.3	8.9
40°-50°	515.1	8.1
50°-60°	410.3	6.5
60°-70°	285.8	4.5
70°-80°	152.4	2.4
80°-90°	41.1	0.6
90°-100°	340.6	5.4
100°-110°	732.2	11.5
110°-120°	687.1	10.8
120°-130°	556.9	8.8
130°-140°	446.9	7.0
140°-150°	337.2	5.3
150°-160°	237.4	3.7
160°-170°	139.9	2.2
170°-180°	45.5	0.7
0°-30°	846.1	13.3
0°-40°	1412.4	22.3
0°-60°	2337.8	36.9
0°-90°	2817.1	44.4
90°-120°	1759.9	27.8
90°-150°	3100.9	48.9
90°-180°	3524.0	55.6
0°-180°	6340.8	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°	22	1	22	1	22	16
95°	223	31	223	31	223	315
105°	1255	107	1255	107	1255	1248
115°	1398	191	1398	191	1398	1366
125°	1102	265	1102	265	1102	997
135°	915	311	915	311	915	709
145°	722	362	722	362	722	459
155°	605	413	605	413	605	282
165°	530	451	530	451	530	152
175°	476	469	476	469	476	46
180°	470	470	470	470	470	



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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°	12.5	13.1	13.3	13.3	13.6	13.3	14.4	14.3	15.1	15.9	16.9
90°	21.8	21.8	20.9	20.9	20.9	18.9	18.0	17.0	16.1	15.2	13.3
92.5°	60.4	62.0	63.3	65.6	77.7	91.7	121.8	167.9	247.3	305.4	310.4
95°	222.7	237.8	245.3	273.8	341.0	420.6	537.1	681.1	821.3	839.4	684.9
97.5°	538.1	550.2	577.7	630.7	689.3	800.0	913.5	1014.4	1039.3	896.3	611.6
100°	738.9	754.1	789.1	857.4	922.7	1021.2	1118.8	1165.2	1092.3	855.4	545.7
102.5°	963.3	974.6	1012.7	1061.2	1131.1	1197.8	1244.6	1216.0	1060.5	783.4	495.6
105°	1255.2	1266.6	1285.6	1316.8	1347.1	1357.6	1315.9	1186.1	958.7	686.8	447.1
107.5°	1410.2	1417.8	1424.1	1424.2	1408.9	1359.4	1252.4	1079.2	854.9	620.3	426.6
110°	1461.8	1461.8	1455.1	1437.1	1394.5	1313.9	1180.4	1000.4	795.7	589.2	420.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1455.7	1448.9	1432.4	1401.5	1339.1	1244.2	1109.1	938.2	751.8	571.0	420.6
115°	1398.2	1385.9	1359.4	1313.9	1240.1	1136.8	1007.1	860.2	703.8	551.4	423.5
117.5°	1297.6	1290.1	1263.8	1216.8	1142.9	1048.1	936.4	809.8	675.2	541.7	429.7
120°	1232.5	1224.9	1199.3	1153.9	1083.8	1000.4	896.2	782.5	659.3	537.1	435.8
122.5°	1174.9	1168.1	1142.5	1100.8	1038.3	960.3	867.4	762.1	645.7	533.4	441.1
125°	1101.8	1092.3	1071.5	1032.6	979.6	911.3	828.9	732.3	627.1	528.6	450.0
127.5°	1039.3	1035.1	1015.4	981.0	932.9	869.1	792.1	702.0	610.1	526.4	460.0
130°	1005.1	999.5	980.5	949.3	901.9	840.3	766.4	683.1	598.8	524.8	466.1
132.5°	971.0	964.6	947.1	915.9	868.5	809.2	742.2	664.1	589.6	524.8	472.9
135°	915.2	909.5	892.4	861.1	819.5	765.5	704.8	639.4	578.9	524.8	482.2
137.5°	855.4	849.2	833.5	805.0	767.8	721.9	671.5	618.6	569.2	525.9	490.7
140°	813.8	809.0	794.8	770.2	735.2	695.4	651.8	607.2	564.6	526.7	494.5
142.5°	775.1	771.1	757.7	736.9	707.1	672.6	635.1	597.4	560.8	527.5	496.8
145°	721.9	718.1	707.7	691.5	668.8	643.3	613.8	584.5	555.1	526.7	499.3
147.5°	676.8	675.1	669.0	656.2	638.1	618.8	596.2	572.4	549.3	524.2	500.2
150°	651.8	650.9	647.0	635.7	621.4	604.4	586.4	565.6	544.7	522.0	500.2
152.5°	632.1	631.1	627.3	618.2	606.3	593.0	576.6	558.0	539.4	518.9	499.5
155°	605.4	604.4	601.5	594.9	585.5	575.0	561.7	546.6	530.5	513.5	497.3
157.5°	581.5	581.6	579.0	573.5	566.1	558.0	547.7	535.2	522.2	507.8	494.9
160°	565.6	566.6	564.6	559.9	553.3	546.6	537.1	527.7	515.4	504.0	492.6
162.5°	551.1	551.4	551.0	547.0	541.8	536.0	528.1	519.3	509.3	499.5	490.3
165°	530.5	530.5	530.5	528.6	524.8	520.1	514.4	507.8	500.2	492.6	486.9
167.5°	511.6	511.8	512.5	510.8	508.9	505.5	501.2	496.8	491.3	486.0	481.6
170°	500.2	501.2	501.2	500.2	498.3	496.4	493.6	490.7	486.0	482.2	479.4
172.5°	489.6	490.6	492.0	490.3	490.0	488.9	486.7	483.9	480.7	477.7	476.3
175°	476.5	477.4	479.4	478.4	478.4	478.4	476.5	476.5	473.7	472.7	472.7
177.5°	469.9	469.9	472.1	471.4	472.1	472.1	472.1	471.4	470.7	469.9	469.9
180°	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9



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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°	17.4	16.3	14.8	13.4	11.3	9.9	9.2	9.3	8.5	8.6	9.3
90°	12.3	10.4	9.5	7.6	5.7	3.8	1.9	1.0	1.9	3.8	5.7
92.5°	216.2	129.4	77.7	50.1	33.8	22.0	14.0	11.6	14.0	22.0	33.8
95°	423.5	215.1	113.7	71.0	50.2	39.8	32.2	31.2	32.2	39.8	50.2
97.5°	338.0	185.3	118.2	87.6	68.8	58.4	53.1	51.9	53.1	58.4	68.8
100°	307.0	183.8	128.8	100.4	82.4	72.0	68.2	66.3	68.2	72.0	82.4
102.5°	294.1	190.6	141.7	114.1	97.6	86.4	83.4	82.3	83.4	86.4	97.6
105°	288.9	204.6	163.0	136.4	121.2	111.8	107.0	107.0	107.0	111.8	121.2
107.5°	297.7	225.4	185.1	161.3	145.5	137.7	133.2	131.3	133.2	137.7	145.5
110°	306.0	240.6	201.8	177.2	163.0	154.4	150.7	148.7	150.7	154.4	163.0





TEST NUMBER: P333243-930

CATALOG NUMBER: S125DIP-S850D1205U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	316.6	255.0	217.7	193.8	179.6	171.0	168.0	166.2	168.0	171.0	179.6
115°	332.5	277.6	242.6	218.8	204.6	196.1	193.2	191.4	193.2	196.1	204.6
117.5°	350.7	300.7	267.5	244.6	228.5	220.0	217.0	214.1	217.0	220.0	228.5
120°	362.8	317.4	284.2	260.5	244.4	235.9	232.1	229.3	232.1	235.9	244.4
122.5°	376.5	333.3	300.1	276.5	258.8	250.3	247.3	245.2	247.3	250.3	258.8
125°	395.0	354.3	323.0	298.4	280.4	271.9	267.2	265.2	267.2	271.9	280.4
127.5°	412.1	374.5	344.5	319.8	300.7	289.9	283.8	281.0	283.8	289.9	300.7
130°	423.5	387.4	358.1	333.5	313.6	301.3	293.7	290.8	293.7	301.3	313.6
132.5°	433.3	399.6	370.2	345.6	325.0	311.1	302.0	298.4	302.0	311.1	325.0
135°	447.1	415.9	386.5	360.9	341.0	325.9	314.5	310.7	314.5	325.9	341.0
137.5°	457.4	427.5	400.7	374.4	354.9	339.7	329.1	326.3	329.1	339.7	354.9
140°	464.2	435.8	408.3	382.7	364.8	349.6	338.2	335.3	338.2	349.6	364.8
142.5°	468.0	441.1	415.2	391.1	373.8	358.7	348.1	345.9	348.1	358.7	373.8
145°	473.7	450.0	425.3	403.6	386.5	373.2	363.8	361.9	363.8	373.2	386.5
147.5°	477.1	455.7	434.1	414.9	400.1	387.8	379.7	378.5	379.7	387.8	400.1
150°	479.4	459.4	438.6	422.5	409.3	397.0	390.3	388.4	390.3	397.0	409.3
152.5°	480.9	463.3	443.9	429.3	416.9	406.0	400.1	399.0	400.1	406.0	416.9
155°	482.2	467.0	450.9	437.7	428.2	418.7	413.0	413.0	413.0	418.7	428.2
157.5°	483.1	470.3	456.4	446.4	438.1	429.9	425.3	425.6	425.3	429.9	438.1
160°	483.1	471.8	459.4	450.9	443.4	436.8	432.9	433.9	432.9	436.8	443.4
162.5°	482.4	473.3	462.5	455.5	449.4	443.5	439.8	440.7	439.8	443.5	449.4
165°	481.3	473.7	466.1	460.4	456.6	451.9	449.1	450.9	449.1	451.9	456.6
167.5°	479.0	473.7	467.4	463.8	461.1	458.5	456.8	457.8	456.8	458.5	461.1
170°	477.4	473.7	469.0	466.1	464.2	462.3	461.4	462.3	461.4	462.3	464.2
172.5°	476.0	472.9	469.0	467.6	466.4	464.6	463.7	465.4	463.7	464.6	466.4
175°	473.7	471.8	469.0	469.0	469.0	468.0	467.0	469.0	467.0	468.0	469.0
177.5°	471.4	470.7	469.1	469.1	469.9	469.1	469.1	470.7	469.1	469.1	469.9
180°	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9



TEST NUMBER: P333243-930

CATALOG NUMBER: S125DIP-S850D1205U930-4F0-1E-UDD-A4

**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°	9.9	11.0	10.9	11.6	11.8	12.9	12.7	14.3	15.1	16.0	16.1
90°	7.6	9.5	10.4	12.3	13.3	15.2	16.1	17.0	18.0	18.9	20.9
92.5°	50.1	77.7	129.4	216.2	310.4	305.4	247.3	167.9	121.8	91.7	77.7
95°	71.0	113.7	215.1	423.5	684.9	839.4	821.3	681.1	537.1	420.6	341.0
97.5°	87.6	118.2	185.3	338.0	611.6	896.3	1039.3	1014.4	913.5	800.0	689.3
100°	100.4	128.8	183.8	307.0	545.7	855.4	1092.3	1165.2	1118.8	1021.2	922.7
102.5°	114.1	141.7	190.6	294.1	495.6	783.4	1060.5	1216.0	1244.6	1197.8	1131.1
105°	136.4	163.0	204.6	288.9	447.1	686.8	958.7	1186.1	1315.9	1357.6	1347.1
107.5°	161.3	185.1	225.4	297.7	426.6	620.3	854.9	1079.2	1252.4	1359.4	1408.9
110°	177.2	201.8	240.6	306.0	420.6	589.2	795.7	1000.4	1180.4	1313.9	1394.5



TEST NUMBER: P333243-930

CATALOG NUMBER: S125DIP-S850D1205U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	193.8	217.7	255.0	316.6	420.6	571.0	751.8	938.2	1109.1	1244.2	1339.1
115°	218.8	242.6	277.6	332.5	423.5	551.4	703.8	860.2	1007.1	1136.8	1240.1
117.5°	244.6	267.5	300.7	350.7	429.7	541.7	675.2	809.8	936.4	1048.1	1142.9
120°	260.5	284.2	317.4	362.8	435.8	537.1	659.3	782.5	896.2	1000.4	1083.8
122.5°	276.5	300.1	333.3	376.5	441.1	533.4	645.7	762.1	867.4	960.3	1038.3
125°	298.4	323.0	354.3	395.0	450.0	528.6	627.1	732.3	828.9	911.3	979.6
127.5°	319.8	344.5	374.5	412.1	460.0	526.4	610.1	702.0	792.1	869.1	932.9
130°	333.5	358.1	387.4	423.5	466.1	524.8	598.8	683.1	766.4	840.3	901.9
132.5°	345.6	370.2	399.6	433.3	472.9	524.8	589.6	664.1	742.2	809.2	868.5
135°	360.9	386.5	415.9	447.1	482.2	524.8	578.9	639.4	704.8	765.5	819.5
137.5°	374.4	400.7	427.5	457.4	490.7	525.9	569.2	618.6	671.5	721.9	767.8
140°	382.7	408.3	435.8	464.2	494.5	526.7	564.6	607.2	651.8	695.4	735.2
142.5°	391.1	415.2	441.1	468.0	496.8	527.5	560.8	597.4	635.1	672.6	707.1
145°	403.6	425.3	450.0	473.7	499.3	526.7	555.1	584.5	613.8	643.3	668.8
147.5°	414.9	434.1	455.7	477.1	500.2	524.2	549.3	572.4	596.2	618.8	638.1
150°	422.5	438.6	459.4	479.4	500.2	522.0	544.7	565.6	586.4	604.4	621.4
152.5°	429.3	443.9	463.3	480.9	499.5	518.9	539.4	558.0	576.6	593.0	606.3
155°	437.7	450.9	467.0	482.2	497.3	513.5	530.5	546.6	561.7	575.0	585.5
157.5°	446.4	456.4	470.3	483.1	494.9	507.8	522.2	535.2	547.7	558.0	566.1
160°	450.9	459.4	471.8	483.1	492.6	504.0	515.4	527.7	537.1	546.6	553.3
162.5°	455.5	462.5	473.3	482.4	490.3	499.5	509.3	519.3	528.1	536.0	541.8
165°	460.4	466.1	473.7	481.3	486.9	492.6	500.2	507.8	514.4	520.1	524.8
167.5°	463.8	467.4	473.7	479.0	481.6	486.0	491.3	496.8	501.2	505.5	508.9
170°	466.1	469.0	473.7	477.4	479.4	482.2	486.0	490.7	493.6	496.4	498.3
172.5°	467.6	469.0	472.9	476.0	476.3	477.7	480.7	483.9	486.7	488.9	490.0
175°	469.0	469.0	471.8	473.7	472.7	472.7	473.7	476.5	476.5	478.4	478.4
177.5°	469.1	469.1	470.7	471.4	469.9	469.9	470.7	471.4	472.1	472.1	472.1
180°	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9



TEST NUMBER: P333243-930

CATALOG NUMBER: S125DIP-S850D1205U930-4F0-1E-UDD-A4

**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°	16.7	16.4	16.6	17.2	16.6	16.4	16.7	16.1	16.0	15.1	14.3
90°	20.9	20.9	21.8	21.8	21.8	20.9	20.9	20.9	18.9	18.0	17.0
92.5°	65.6	63.3	62.0	60.4	62.0	63.3	65.6	77.7	91.7	121.8	167.9
95°	273.8	245.3	237.8	222.7	237.8	245.3	273.8	341.0	420.6	537.1	681.1
97.5°	630.7	577.7	550.2	538.1	550.2	577.7	630.7	689.3	800.0	913.5	1014.4
100°	857.4	789.1	754.1	738.9	754.1	789.1	857.4	922.7	1021.2	1118.8	1165.2
102.5°	1061.2	1012.7	974.6	963.3	974.6	1012.7	1061.2	1131.1	1197.8	1244.6	1216.0
105°	1316.8	1285.6	1266.6	1255.2	1266.6	1285.6	1316.8	1347.1	1357.6	1315.9	1186.1
107.5°	1424.2	1424.1	1417.8	1410.2	1417.8	1424.1	1424.2	1408.9	1359.4	1252.4	1079.2
110°	1437.1	1455.1	1461.8	1461.8	1461.8	1455.1	1437.1	1394.5	1313.9	1180.4	1000.4



TEST NUMBER: P333243-930

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1401.5	1432.4	1448.9	1455.7	1448.9	1432.4	1401.5	1339.1	1244.2	1109.1	938.2
115°	1313.9	1359.4	1385.9	1398.2	1385.9	1359.4	1313.9	1240.1	1136.8	1007.1	860.2
117.5°	1216.8	1263.8	1290.1	1297.6	1290.1	1263.8	1216.8	1142.9	1048.1	936.4	809.8
120°	1153.9	1199.3	1224.9	1232.5	1224.9	1199.3	1153.9	1083.8	1000.4	896.2	782.5
122.5°	1100.8	1142.5	1168.1	1174.9	1168.1	1142.5	1100.8	1038.3	960.3	867.4	762.1
125°	1032.6	1071.5	1092.3	1101.8	1092.3	1071.5	1032.6	979.6	911.3	828.9	732.3
127.5°	981.0	1015.4	1035.1	1039.3	1035.1	1015.4	981.0	932.9	869.1	792.1	702.0
130°	949.3	980.5	999.5	1005.1	999.5	980.5	949.3	901.9	840.3	766.4	683.1
132.5°	915.9	947.1	964.6	971.0	964.6	947.1	915.9	868.5	809.2	742.2	664.1
135°	861.1	892.4	909.5	915.2	909.5	892.4	861.1	819.5	765.5	704.8	639.4
137.5°	805.0	833.5	849.2	855.4	849.2	833.5	805.0	767.8	721.9	671.5	618.6
140°	770.2	794.8	809.0	813.8	809.0	794.8	770.2	735.2	695.4	651.8	607.2
142.5°	736.9	757.7	771.1	775.1	771.1	757.7	736.9	707.1	672.6	635.1	597.4
145°	691.5	707.7	718.1	721.9	718.1	707.7	691.5	668.8	643.3	613.8	584.5
147.5°	656.2	669.0	675.1	676.8	675.1	669.0	656.2	638.1	618.8	596.2	572.4
150°	635.7	647.0	650.9	651.8	650.9	647.0	635.7	621.4	604.4	586.4	565.6
152.5°	618.2	627.3	631.1	632.1	631.1	627.3	618.2	606.3	593.0	576.6	558.0
155°	594.9	601.5	604.4	605.4	604.4	601.5	594.9	585.5	575.0	561.7	546.6
157.5°	573.5	579.0	581.6	581.5	581.6	579.0	573.5	566.1	558.0	547.7	535.2
160°	559.9	564.6	566.6	565.6	566.6	564.6	559.9	553.3	546.6	537.1	527.7
162.5°	547.0	551.0	551.4	551.1	551.4	551.0	547.0	541.8	536.0	528.1	519.3
165°	528.6	530.5	530.5	530.5	530.5	530.5	528.6	524.8	520.1	514.4	507.8
167.5°	510.8	512.5	511.8	511.6	511.8	512.5	510.8	508.9	505.5	501.2	496.8
170°	500.2	501.2	501.2	500.2	501.2	501.2	500.2	498.3	496.4	493.6	490.7
172.5°	490.3	492.0	490.6	489.6	490.6	492.0	490.3	490.0	488.9	486.7	483.9
175°	478.4	479.4	477.4	476.5	477.4	479.4	478.4	478.4	478.4	476.5	476.5
177.5°	471.4	472.1	469.9	469.9	469.9	472.1	471.4	472.1	472.1	472.1	471.4
180°	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9



TEST NUMBER: P333243-930

CATALOG NUMBER: S125DIP-S850D1205U930-4F0-1E-UDD-A4

**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°	12.7	12.9	11.8	11.6	10.9	11.0	9.9	9.3	8.6	8.5	9.3
90°	16.1	15.2	13.3	12.3	10.4	9.5	7.6	5.7	3.8	1.9	1.0
92.5°	247.3	305.4	310.4	216.2	129.4	77.7	50.1	33.8	22.0	14.0	11.6
95°	821.3	839.4	684.9	423.5	215.1	113.7	71.0	50.2	39.8	32.2	31.2
97.5°	1039.3	896.3	611.6	338.0	185.3	118.2	87.6	68.8	58.4	53.1	51.9
100°	1092.3	855.4	545.7	307.0	183.8	128.8	100.4	82.4	72.0	68.2	66.3
102.5°	1060.5	783.4	495.6	294.1	190.6	141.7	114.1	97.6	86.4	83.4	82.3
105°	958.7	686.8	447.1	288.9	204.6	163.0	136.4	121.2	111.8	107.0	107.0
107.5°	854.9	620.3	426.6	297.7	225.4	185.1	161.3	145.5	137.7	133.2	131.3
110°	795.7	589.2	420.6	306.0	240.6	201.8	177.2	163.0	154.4	150.7	148.7



TEST NUMBER: P333243-930

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	751.8	571.0	420.6	316.6	255.0	217.7	193.8	179.6	171.0	168.0	166.2
115°	703.8	551.4	423.5	332.5	277.6	242.6	218.8	204.6	196.1	193.2	191.4
117.5°	675.2	541.7	429.7	350.7	300.7	267.5	244.6	228.5	220.0	217.0	214.1
120°	659.3	537.1	435.8	362.8	317.4	284.2	260.5	244.4	235.9	232.1	229.3
122.5°	645.7	533.4	441.1	376.5	333.3	300.1	276.5	258.8	250.3	247.3	245.2
125°	627.1	528.6	450.0	395.0	354.3	323.0	298.4	280.4	271.9	267.2	265.2
127.5°	610.1	526.4	460.0	412.1	374.5	344.5	319.8	300.7	289.9	283.8	281.0
130°	598.8	524.8	466.1	423.5	387.4	358.1	333.5	313.6	301.3	293.7	290.8
132.5°	589.6	524.8	472.9	433.3	399.6	370.2	345.6	325.0	311.1	302.0	298.4
135°	578.9	524.8	482.2	447.1	415.9	386.5	360.9	341.0	325.9	314.5	310.7
137.5°	569.2	525.9	490.7	457.4	427.5	400.7	374.4	354.9	339.7	329.1	326.3
140°	564.6	526.7	494.5	464.2	435.8	408.3	382.7	364.8	349.6	338.2	335.3
142.5°	560.8	527.5	496.8	468.0	441.1	415.2	391.1	373.8	358.7	348.1	345.9
145°	555.1	526.7	499.3	473.7	450.0	425.3	403.6	386.5	373.2	363.8	361.9
147.5°	549.3	524.2	500.2	477.1	455.7	434.1	414.9	400.1	387.8	379.7	378.5
150°	544.7	522.0	500.2	479.4	459.4	438.6	422.5	409.3	397.0	390.3	388.4
152.5°	539.4	518.9	499.5	480.9	463.3	443.9	429.3	416.9	406.0	400.1	399.0
155°	530.5	513.5	497.3	482.2	467.0	450.9	437.7	428.2	418.7	413.0	413.0
157.5°	522.2	507.8	494.9	483.1	470.3	456.4	446.4	438.1	429.9	425.3	425.6
160°	515.4	504.0	492.6	483.1	471.8	459.4	450.9	443.4	436.8	432.9	433.9
162.5°	509.3	499.5	490.3	482.4	473.3	462.5	455.5	449.4	443.5	439.8	440.7
165°	500.2	492.6	486.9	481.3	473.7	466.1	460.4	456.6	451.9	449.1	450.9
167.5°	491.3	486.0	481.6	479.0	473.7	467.4	463.8	461.1	458.5	456.8	457.8
170°	486.0	482.2	479.4	477.4	473.7	469.0	466.1	464.2	462.3	461.4	462.3
172.5°	480.7	477.7	476.3	476.0	472.9	469.0	467.6	466.4	464.6	463.7	465.4
175°	473.7	472.7	472.7	473.7	471.8	469.0	469.0	469.0	468.0	467.0	469.0
177.5°	470.7	469.9	469.9	471.4	470.7	469.1	469.1	469.9	469.1	469.1	470.7
180°	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9



TEST NUMBER: P333243-930

CATALOG NUMBER: S125DIP-S850D1205U930-4F0-1E-UDD-A4

**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°	9.2	9.9	11.3	13.4	14.8	16.3	17.4	16.9	15.9	15.1	14.3
90°	1.9	3.8	5.7	7.6	9.5	10.4	12.3	13.3	15.2	16.1	17.0
92.5°	14.0	22.0	33.8	50.1	77.7	129.4	216.2	310.4	305.4	247.3	167.9
95°	32.2	39.8	50.2	71.0	113.7	215.1	423.5	684.9	839.4	821.3	681.1
97.5°	53.1	58.4	68.8	87.6	118.2	185.3	338.0	611.6	896.3	1039.3	1014.4
100°	68.2	72.0	82.4	100.4	128.8	183.8	307.0	545.7	855.4	1092.3	1165.2
102.5°	83.4	86.4	97.6	114.1	141.7	190.6	294.1	495.6	783.4	1060.5	1216.0
105°	107.0	111.8	121.2	136.4	163.0	204.6	288.9	447.1	686.8	958.7	1186.1
107.5°	133.2	137.7	145.5	161.3	185.1	225.4	297.7	426.6	620.3	854.9	1079.2
110°	150.7	154.4	163.0	177.2	201.8	240.6	306.0	420.6	589.2	795.7	1000.4





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	168.0	171.0	179.6	193.8	217.7	255.0	316.6	420.6	571.0	751.8	938.2
115°	193.2	196.1	204.6	218.8	242.6	277.6	332.5	423.5	551.4	703.8	860.2
117.5°	217.0	220.0	228.5	244.6	267.5	300.7	350.7	429.7	541.7	675.2	809.8
120°	232.1	235.9	244.4	260.5	284.2	317.4	362.8	435.8	537.1	659.3	782.5
122.5°	247.3	250.3	258.8	276.5	300.1	333.3	376.5	441.1	533.4	645.7	762.1
125°	267.2	271.9	280.4	298.4	323.0	354.3	395.0	450.0	528.6	627.1	732.3
127.5°	283.8	289.9	300.7	319.8	344.5	374.5	412.1	460.0	526.4	610.1	702.0
130°	293.7	301.3	313.6	333.5	358.1	387.4	423.5	466.1	524.8	598.8	683.1
132.5°	302.0	311.1	325.0	345.6	370.2	399.6	433.3	472.9	524.8	589.6	664.1
135°	314.5	325.9	341.0	360.9	386.5	415.9	447.1	482.2	524.8	578.9	639.4
137.5°	329.1	339.7	354.9	374.4	400.7	427.5	457.4	490.7	525.9	569.2	618.6
140°	338.2	349.6	364.8	382.7	408.3	435.8	464.2	494.5	526.7	564.6	607.2
142.5°	348.1	358.7	373.8	391.1	415.2	441.1	468.0	496.8	527.5	560.8	597.4
145°	363.8	373.2	386.5	403.6	425.3	450.0	473.7	499.3	526.7	555.1	584.5
147.5°	379.7	387.8	400.1	414.9	434.1	455.7	477.1	500.2	524.2	549.3	572.4
150°	390.3	397.0	409.3	422.5	438.6	459.4	479.4	500.2	522.0	544.7	565.6
152.5°	400.1	406.0	416.9	429.3	443.9	463.3	480.9	499.5	518.9	539.4	558.0
155°	413.0	418.7	428.2	437.7	450.9	467.0	482.2	497.3	513.5	530.5	546.6
157.5°	425.3	429.9	438.1	446.4	456.4	470.3	483.1	494.9	507.8	522.2	535.2
160°	432.9	436.8	443.4	450.9	459.4	471.8	483.1	492.6	504.0	515.4	527.7
162.5°	439.8	443.5	449.4	455.5	462.5	473.3	482.4	490.3	499.5	509.3	519.3
165°	449.1	451.9	456.6	460.4	466.1	473.7	481.3	486.9	492.6	500.2	507.8
167.5°	456.8	458.5	461.1	463.8	467.4	473.7	479.0	481.6	486.0	491.3	496.8
170°	461.4	462.3	464.2	466.1	469.0	473.7	477.4	479.4	482.2	486.0	490.7
172.5°	463.7	464.6	466.4	467.6	469.0	472.9	476.0	476.3	477.7	480.7	483.9
175°	467.0	468.0	469.0	469.0	469.0	471.8	473.7	472.7	472.7	473.7	476.5
177.5°	469.1	469.1	469.9	469.1	469.1	470.7	471.4	469.9	469.9	470.7	471.4
180°	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9



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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°	14.4	13.3	13.6	13.3	13.3	13.1	12.5
90°	18.0	18.9	20.9	20.9	20.9	21.8	21.8
92.5°	121.8	91.7	77.7	65.6	63.3	62.0	60.4
95°	537.1	420.6	341.0	273.8	245.3	237.8	222.7
97.5°	913.5	800.0	689.3	630.7	577.7	550.2	538.1
100°	1118.8	1021.2	922.7	857.4	789.1	754.1	738.9
102.5°	1244.6	1197.8	1131.1	1061.2	1012.7	974.6	963.3
105°	1315.9	1357.6	1347.1	1316.8	1285.6	1266.6	1255.2
107.5°	1252.4	1359.4	1408.9	1424.2	1424.1	1417.8	1410.2
110°	1180.4	1313.9	1394.5	1437.1	1455.1	1461.8	1461.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	1109.1	1244.2	1339.1	1401.5	1432.4	1448.9	1455.7
115°	1007.1	1136.8	1240.1	1313.9	1359.4	1385.9	1398.2
117.5°	936.4	1048.1	1142.9	1216.8	1263.8	1290.1	1297.6
120°	896.2	1000.4	1083.8	1153.9	1199.3	1224.9	1232.5
122.5°	867.4	960.3	1038.3	1100.8	1142.5	1168.1	1174.9
125°	828.9	911.3	979.6	1032.6	1071.5	1092.3	1101.8
127.5°	792.1	869.1	932.9	981.0	1015.4	1035.1	1039.3
130°	766.4	840.3	901.9	949.3	980.5	999.5	1005.1
132.5°	742.2	809.2	868.5	915.9	947.1	964.6	971.0
135°	704.8	765.5	819.5	861.1	892.4	909.5	915.2
137.5°	671.5	721.9	767.8	805.0	833.5	849.2	855.4
140°	651.8	695.4	735.2	770.2	794.8	809.0	813.8
142.5°	635.1	672.6	707.1	736.9	757.7	771.1	775.1
145°	613.8	643.3	668.8	691.5	707.7	718.1	721.9
147.5°	596.2	618.8	638.1	656.2	669.0	675.1	676.8
150°	586.4	604.4	621.4	635.7	647.0	650.9	651.8
152.5°	576.6	593.0	606.3	618.2	627.3	631.1	632.1
155°	561.7	575.0	585.5	594.9	601.5	604.4	605.4
157.5°	547.7	558.0	566.1	573.5	579.0	581.6	581.5
160°	537.1	546.6	553.3	559.9	564.6	566.6	565.6
162.5°	528.1	536.0	541.8	547.0	551.0	551.4	551.1
165°	514.4	520.1	524.8	528.6	530.5	530.5	530.5
167.5°	501.2	505.5	508.9	510.8	512.5	511.8	511.6
170°	493.6	496.4	498.3	500.2	501.2	501.2	500.2
172.5°	486.7	488.9	490.0	490.3	492.0	490.6	489.6
175°	476.5	478.4	478.4	478.4	479.4	477.4	476.5
177.5°	472.1	472.1	472.1	471.4	472.1	469.9	469.9
180°	469.9	469.9	469.9	469.9	469.9	469.9	469.9

(END OF REPORT)