

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: P333324-930

Luminaire Tested: **S125DIP-S1270D1035U930-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333324-930  
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-S1270D1035U930-4F0-1E-UDD-A4  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1035 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

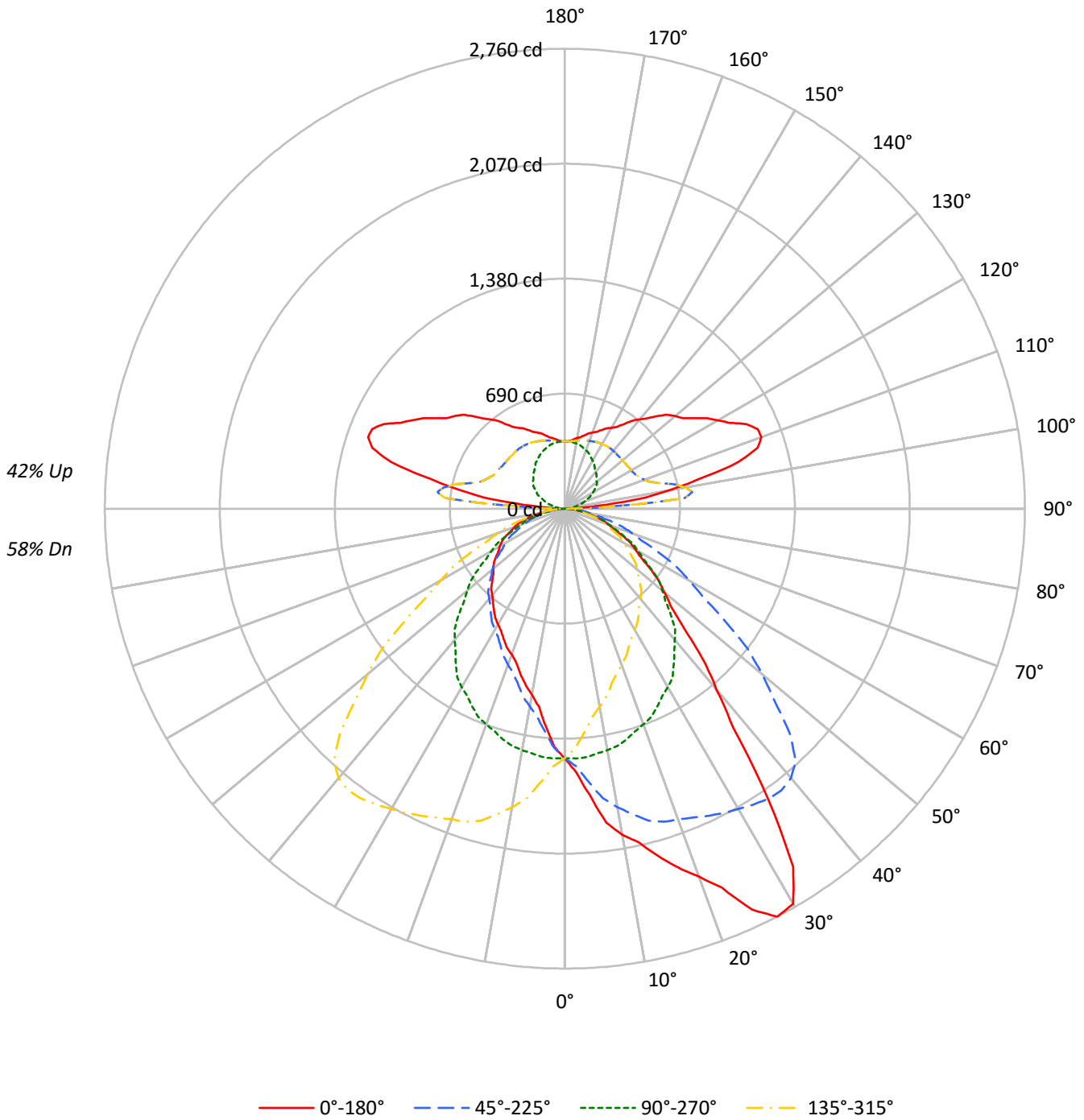
Lumens per Lamp: N/A  
Luminaire Lumens: 7254.8 lumens  
Efficiency: N/A  
Efficacy: 108.6 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 66.8  
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	88	88	88	75	75	75	64	64	64	58
1	100	96	92	88	93	89	86	83	78	75	73	67	65	63	57	56	54	50
2	91	84	78	73	85	78	73	69	68	64	61	59	56	53	50	48	46	42
3	83	74	67	61	77	69	63	58	60	55	51	52	48	45	45	42	40	36
4	76	66	58	52	71	61	54	49	54	48	44	47	42	39	40	37	34	31
5	70	58	50	44	65	55	48	42	48	42	38	42	37	34	36	33	30	27
6	65	53	44	39	60	49	42	37	44	38	33	38	33	30	33	29	26	24
7	60	47	39	34	56	45	37	32	39	34	29	35	30	26	30	26	23	21
8	56	43	35	30	52	41	34	29	36	30	26	32	27	24	28	24	21	19
9	52	39	32	27	48	37	30	26	33	27	23	29	24	21	25	22	19	17
10	48	36	29	24	45	34	28	23	30	25	21	27	22	19	24	20	17	15

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	9671	9671	9671	9671
5°	11199	9703	8496	9703
10°	13029	9653	7444	9653
15°	14422	9582	6867	9582
20°	16144	9470	6403	9470
25°	18912	9344	6178	9344
30°	20427	9219	5982	9219
35°	16796	8984	5852	8984
40°	11938	8658	5712	8658
45°	9171	8219	5630	8219
50°	7829	7675	5620	7675
55°	6971	7142	5668	7142
60°	6288	6559	5813	6559
65°	5809	5974	5963	5974
70°	5280	5365	6048	5365
75°	4664	4726	5996	4726
80°	3924	3853	5482	3853
85°	3105	2779	4431	2779



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	144.2	2.0
10°-20°	429.2	5.9
20°-30°	696.9	9.6
30°-40°	850.1	11.7
40°-50°	773.3	10.7
50°-60°	616.0	8.5
60°-70°	429.0	5.9
70°-80°	228.8	3.2
80°-90°	60.0	0.8
90°-100°	292.6	4.0
100°-110°	629.0	8.7
110°-120°	590.3	8.1
120°-130°	478.4	6.6
130°-140°	383.9	5.3
140°-150°	289.7	4.0
150°-160°	203.9	2.8
160°-170°	120.2	1.7
170°-180°	39.1	0.5
0°-30°	1270.2	17.5
0°-40°	2120.3	29.2
0°-60°	3509.7	48.4
0°-90°	4227.5	58.3
90°-120°	1512.0	20.8
90°-150°	2664.1	36.7
90°-180°	3027.0	41.7
0°-180°	7254.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1497	1497	1497	1497	1497	
5°	1727	1497	1310	1497	1727	174
15°	2157	1433	1027	1433	2157	617
25°	2654	1311	867	1311	2654	1212
35°	2130	1140	742	1140	2130	1304
45°	1004	900	616	900	1004	804
55°	619	634	503	634	619	558
65°	380	391	390	391	380	377
75°	187	189	240	189	187	201
85°	42	38	60	38	42	49
90°	19	1	19	1	19	14
95°	191	27	191	27	191	271
105°	1078	92	1078	92	1078	1072
115°	1201	164	1201	164	1201	1174
125°	947	228	947	228	947	856
135°	786	267	786	267	786	609
145°	620	311	620	311	620	394
155°	520	355	520	355	520	242
165°	456	387	456	387	456	130
175°	409	403	409	403	409	40
180°	404	404	404	404	404	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1583.8	1581.8	1579.7	1575.6	1578.7	1570.0	1565.9	1558.9	1550.2	1547.2	1543.6
5°	1727.4	1730.6	1733.7	1720.4	1721.7	1712.8	1692.5	1675.9	1662.6	1645.4	1633.4
7.5°	1900.3	1892.8	1892.1	1883.5	1868.7	1856.7	1835.3	1808.1	1781.8	1751.8	1727.0
10°	1986.7	1987.4	1981.7	1971.5	1955.6	1944.2	1916.2	1889.5	1857.1	1818.9	1791.6
12.5°	2051.8	2054.5	2047.2	2033.5	2025.7	2000.1	1978.2	1946.4	1907.9	1877.4	1835.8
15°	2157.0	2150.0	2145.0	2127.8	2114.5	2087.7	2052.8	2019.7	1977.8	1939.0	1900.3
17.5°	2258.5	2264.1	2254.5	2238.9	2197.5	2166.3	2119.5	2074.1	2021.9	1969.9	1923.7
20°	2349.0	2354.1	2339.4	2312.1	2262.5	2231.4	2169.8	2111.3	2050.9	1984.2	1933.3
22.5°	2461.9	2457.8	2438.1	2396.5	2353.5	2296.0	2229.3	2158.0	2082.4	2007.0	1939.4
25°	2654.0	2627.3	2615.2	2563.8	2507.2	2422.7	2331.2	2226.9	2132.9	2033.1	1946.7
27.5°	2760.5	2752.1	2738.7	2702.9	2643.4	2552.9	2445.1	2318.1	2185.4	2059.4	1946.3
30°	2739.2	2740.5	2741.8	2730.3	2692.2	2624.1	2516.7	2380.1	2222.5	2080.8	1949.9
32.5°	2550.1	2573.2	2595.3	2621.5	2632.2	2619.1	2551.8	2428.5	2266.2	2105.2	1947.8
35°	2130.4	2137.3	2209.1	2280.3	2376.9	2451.9	2502.2	2447.4	2310.8	2125.9	1945.4
37.5°	1661.1	1695.4	1745.1	1825.5	1965.0	2089.8	2250.3	2324.2	2280.1	2132.7	1941.0
40°	1416.0	1447.8	1480.2	1562.2	1679.8	1831.0	2013.4	2169.1	2205.3	2111.3	1925.7
42.5°	1226.9	1252.1	1288.0	1349.6	1447.9	1581.8	1756.2	1959.7	2084.8	2049.3	1893.7
45°	1004.1	1020.0	1048.0	1097.0	1168.2	1273.0	1426.8	1649.3	1843.1	1907.2	1817.6
47.5°	859.5	859.4	881.1	914.9	966.3	1055.4	1169.1	1343.5	1550.5	1703.6	1696.6
50°	779.2	776.0	793.1	822.4	863.1	922.2	1030.9	1170.0	1369.0	1542.5	1590.7
52.5°	710.0	710.4	721.0	742.6	776.7	827.1	908.3	1033.8	1203.7	1381.8	1472.8
55°	619.1	616.4	628.5	643.2	668.0	701.0	759.5	855.4	993.4	1168.7	1286.9
57.5°	535.7	542.7	547.5	557.7	578.2	600.3	649.6	720.1	829.5	980.0	1105.0
60°	486.8	493.8	497.7	507.8	524.3	543.4	581.6	638.7	730.9	860.5	984.5
62.5°	443.1	448.6	449.8	459.0	472.5	491.1	521.1	569.1	641.9	755.3	876.7
65°	380.1	380.1	382.6	392.2	398.5	415.0	437.9	472.9	531.3	619.6	723.3
67.5°	319.3	322.4	321.7	325.9	331.7	344.6	361.0	389.9	433.2	497.7	580.5
70°	279.6	282.2	281.5	284.7	291.1	299.4	312.7	340.0	371.1	426.5	497.7
72.5°	244.0	245.1	243.4	247.6	251.4	258.7	273.5	288.1	317.2	363.9	422.4
75°	186.9	188.1	189.4	191.9	195.8	199.6	207.2	221.8	240.8	275.8	313.3
77.5°	140.1	137.6	140.7	140.3	142.5	145.4	152.1	159.9	175.5	197.6	226.7
80°	105.5	106.2	106.2	106.8	110.0	111.9	117.6	123.3	135.3	151.9	172.3
82.5°	77.0	78.7	77.7	78.8	81.4	82.8	86.0	90.7	97.8	110.7	125.5
85°	41.9	38.8	40.0	41.3	41.3	41.9	44.5	46.4	50.2	55.3	61.0
87.5°	16.0	17.0	17.3	17.3	17.9	17.5	19.3	19.2	20.5	21.9	23.6
90°	18.8	18.8	17.9	17.9	17.9	16.3	15.5	14.7	13.9	13.0	11.4
92.5°	51.9	53.2	54.4	56.3	66.8	78.8	104.7	144.2	212.4	262.4	266.6
95°	191.3	204.3	210.8	235.2	293.0	361.3	461.5	585.2	705.6	721.1	588.5
97.5°	462.3	472.7	496.3	541.9	592.2	687.2	784.7	871.6	892.8	770.1	525.5
100°	634.9	647.8	678.0	736.5	792.7	877.3	961.2	1001.1	938.4	734.9	468.8
102.5°	827.5	837.3	870.1	911.7	971.8	1029.1	1069.3	1044.7	911.1	673.1	425.8
105°	1078.4	1088.2	1104.5	1131.3	1157.3	1166.3	1130.5	1019.0	823.7	590.0	384.2
107.5°	1211.5	1218.1	1223.4	1223.6	1210.4	1167.9	1076.0	927.2	734.4	533.0	366.6
110°	1255.8	1255.8	1250.1	1234.7	1198.1	1128.9	1014.1	859.5	683.6	506.2	361.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1250.6	1244.8	1230.6	1204.0	1150.6	1068.9	952.9	806.1	645.9	490.6	361.3
115°	1201.3	1190.7	1167.9	1128.9	1065.4	976.6	865.2	739.0	604.7	473.7	363.8
117.5°	1114.8	1108.3	1085.7	1045.4	981.9	900.5	804.5	695.7	580.2	465.4	369.2
120°	1058.9	1052.4	1030.4	991.3	931.1	859.5	770.0	672.3	566.5	461.5	374.4
122.5°	1009.4	1003.6	981.5	945.7	892.0	824.9	745.2	654.7	554.7	458.2	379.0
125°	946.6	938.4	920.5	887.1	841.6	782.9	712.2	629.2	538.8	454.1	386.6
127.5°	892.8	889.2	872.3	842.9	801.5	746.7	680.6	603.1	524.2	452.2	395.3
130°	863.6	858.7	842.4	815.5	774.9	721.9	658.4	586.9	514.4	450.9	400.5
132.5°	834.2	828.7	813.8	786.8	746.2	695.2	637.6	570.5	506.5	450.9	406.3
135°	786.2	781.3	766.7	739.8	704.0	657.6	605.5	549.3	497.3	450.9	414.3
137.5°	734.9	729.6	716.1	691.6	659.6	620.2	576.9	531.5	489.0	451.8	421.6
140°	699.1	695.0	682.9	661.7	631.6	597.4	559.9	521.7	485.1	452.5	424.9
142.5°	665.9	662.5	650.9	633.1	607.5	577.9	545.6	513.2	481.8	453.1	426.8
145°	620.2	616.9	608.0	594.1	574.6	552.6	527.4	502.1	477.0	452.5	428.9
147.5°	581.5	580.0	574.8	563.7	548.2	531.7	512.3	491.8	471.9	450.4	429.7
150°	559.9	559.1	555.9	546.1	533.9	519.3	503.8	485.9	468.0	448.4	429.7
152.5°	543.0	542.2	539.0	531.2	520.9	509.5	495.3	479.4	463.4	445.9	429.1
155°	520.1	519.3	516.8	511.1	503.0	494.1	482.7	469.6	455.8	441.2	427.3
157.5°	499.5	499.7	497.4	492.8	486.4	479.4	470.6	459.8	448.6	436.3	425.2
160°	485.9	486.7	485.1	481.0	475.3	469.6	461.5	453.3	442.8	433.0	423.2
162.5°	473.5	473.7	473.4	469.9	465.5	460.5	453.6	446.2	437.6	429.1	421.3
165°	455.8	455.8	455.8	454.1	450.9	446.9	442.0	436.3	429.7	423.2	418.3
167.5°	439.5	439.7	440.3	438.9	437.2	434.3	430.6	426.8	422.1	417.5	413.8
170°	429.7	430.6	430.6	429.7	428.1	426.5	424.0	421.6	417.5	414.3	411.8
172.5°	420.6	421.4	422.7	421.3	420.9	420.0	418.2	415.7	412.9	410.3	409.2
175°	409.4	410.2	411.8	411.0	411.0	411.0	409.4	409.4	406.9	406.1	406.1
177.5°	403.7	403.7	405.6	405.0	405.6	405.6	405.6	405.0	404.3	403.7	403.7
180°	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1540.6	1537.0	1532.9	1525.8	1517.2	1512.6	1505.5	1500.9	1491.8	1484.1	1476.0
5°	1618.7	1602.2	1587.0	1567.2	1545.6	1531.6	1515.2	1496.7	1477.6	1457.9	1436.3
7.5°	1699.7	1670.5	1638.7	1604.5	1571.1	1540.3	1510.9	1482.1	1455.1	1422.6	1395.1
10°	1754.1	1717.3	1677.8	1631.4	1586.3	1546.9	1506.8	1471.9	1436.3	1398.2	1364.5
12.5°	1808.5	1759.4	1703.7	1652.8	1598.6	1550.9	1503.8	1459.2	1414.5	1372.2	1333.0
15°	1846.9	1803.7	1752.2	1679.8	1618.7	1553.3	1491.0	1433.1	1379.2	1332.1	1282.5
17.5°	1872.2	1816.5	1761.2	1691.7	1611.8	1538.6	1467.9	1401.7	1340.8	1281.2	1233.5
20°	1876.7	1819.6	1761.7	1693.7	1611.8	1527.9	1457.3	1377.9	1312.4	1250.8	1192.3
22.5°	1875.3	1810.4	1747.5	1677.5	1597.5	1520.2	1434.9	1354.0	1282.9	1222.3	1161.2
25°	1860.8	1791.6	1712.8	1642.3	1563.4	1481.5	1395.1	1311.2	1238.7	1169.4	1109.1
27.5°	1848.9	1759.1	1669.8	1587.6	1511.5	1436.3	1353.6	1267.6	1187.3	1117.1	1060.2
30°	1834.2	1735.7	1635.2	1549.5	1471.3	1398.2	1320.1	1236.2	1152.3	1083.6	1022.6
32.5°	1821.0	1706.2	1600.2	1506.8	1424.0	1352.9	1280.8	1201.0	1118.7	1049.0	988.0
35°	1795.5	1662.6	1541.2	1435.7	1347.4	1274.2	1213.9	1139.5	1063.9	996.5	938.1
37.5°	1763.0	1605.4	1475.1	1364.5	1267.6	1190.7	1134.4	1077.3	1004.8	939.9	887.0
40°	1737.6	1564.7	1426.8	1313.7	1213.2	1133.2	1081.1	1027.0	966.7	906.3	850.4
42.5°	1705.5	1528.1	1378.0	1256.2	1156.8	1078.8	1024.1	978.2	925.0	868.7	816.8
45°	1646.7	1461.8	1299.0	1168.2	1067.7	990.8	934.3	899.9	859.9	806.5	762.6
47.5°	1560.2	1382.0	1213.7	1078.6	975.0	903.8	850.8	817.8	789.6	749.9	710.1
50°	1483.4	1322.6	1152.3	1018.1	914.5	842.7	793.8	763.9	739.8	709.2	675.6
52.5°	1397.4	1247.8	1091.8	959.2	856.6	785.8	737.8	711.6	691.5	669.6	636.4
55°	1260.9	1133.8	988.9	863.1	768.3	699.1	657.1	634.3	617.8	601.2	580.9
57.5°	1110.5	1011.1	882.8	767.8	680.5	617.5	578.4	556.1	543.2	534.8	522.8
60°	1004.8	919.7	809.0	704.2	619.1	563.1	525.0	507.8	497.0	490.0	481.1
62.5°	906.7	836.7	734.3	638.6	564.1	511.2	477.2	460.5	450.2	446.8	439.4
65°	762.0	708.0	623.5	544.0	480.5	435.4	406.8	390.9	384.5	380.7	381.3
67.5°	619.5	586.6	518.7	450.9	400.2	362.4	339.5	327.3	324.2	319.0	318.9
70°	532.6	507.8	450.6	391.5	346.3	317.2	296.8	284.1	280.9	278.3	277.8
72.5°	455.8	434.1	384.5	337.1	296.5	270.8	254.1	246.5	241.2	239.7	239.6
75°	342.6	330.5	291.1	253.6	225.6	207.8	196.4	189.4	185.6	184.9	185.6
77.5°	243.5	233.0	208.0	181.4	163.7	150.3	140.6	138.2	133.9	134.0	133.3
80°	183.0	176.0	160.1	139.2	124.6	113.2	108.0	103.6	102.3	100.4	102.3
82.5°	132.7	125.2	114.4	101.0	88.9	82.1	77.0	75.7	74.8	73.9	74.4
85°	65.5	66.1	59.8	49.6	44.5	40.7	37.5	37.5	36.9	36.2	36.9
87.5°	24.5	23.2	21.0	19.1	16.2	14.3	13.5	13.9	12.6	12.3	13.2
90°	10.6	9.0	8.2	6.5	4.9	3.3	1.6	0.8	1.6	3.3	4.9
92.5°	185.7	111.2	66.8	43.0	28.9	18.9	12.1	9.9	12.1	18.9	28.9
95°	363.8	184.7	97.7	61.1	43.1	34.2	27.6	26.8	27.6	34.2	43.1
97.5°	290.4	159.2	101.6	75.2	59.1	50.1	45.6	44.6	45.6	50.1	59.1
100°	263.7	157.9	110.7	86.3	70.8	61.9	58.6	57.0	58.6	61.9	70.8
102.5°	252.7	163.8	121.7	98.0	83.8	74.2	71.6	70.7	71.6	74.2	83.8
105°	248.3	175.8	140.0	117.2	104.2	96.0	92.0	92.0	92.0	96.0	104.2
107.5°	255.8	193.7	159.1	138.5	125.0	118.3	114.5	112.8	114.5	118.3	125.0
110°	262.9	206.8	173.3	152.2	140.0	132.6	129.4	127.8	129.4	132.6	140.0





TEST NUMBER: P333324-930

CATALOG NUMBER: S125DIP-S1270D1035U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	272.0	219.1	187.0	166.5	154.3	147.0	144.4	142.8	144.4	147.0	154.3
115°	285.7	238.5	208.4	188.0	175.8	168.4	166.0	164.4	166.0	168.4	175.8
117.5°	301.3	258.4	229.8	210.2	196.3	189.0	186.4	183.9	186.4	189.0	196.3
120°	311.7	272.6	244.2	223.8	210.0	202.7	199.4	197.0	199.4	202.7	210.0
122.5°	323.4	286.3	257.9	237.5	222.3	215.0	212.4	210.7	212.4	215.0	222.3
125°	339.4	304.4	277.5	256.4	240.9	233.6	229.5	227.9	229.5	233.6	240.9
127.5°	354.0	321.8	296.0	274.8	258.4	249.1	243.9	241.4	243.9	249.1	258.4
130°	363.8	332.9	307.6	286.5	269.4	258.9	252.3	249.9	252.3	258.9	269.4
132.5°	372.3	343.3	318.0	296.9	279.2	267.3	259.4	256.4	259.4	267.3	279.2
135°	384.2	357.3	332.1	310.1	293.0	280.0	270.2	266.9	270.2	280.0	293.0
137.5°	393.0	367.2	344.3	321.6	304.9	291.9	282.7	280.3	282.7	291.9	304.9
140°	398.8	374.4	350.8	328.8	313.3	300.4	290.6	288.1	290.6	300.4	313.3
142.5°	402.0	379.0	356.6	336.0	321.1	308.1	299.1	297.3	299.1	308.1	321.1
145°	406.9	386.6	365.4	346.7	332.1	320.7	312.5	310.9	312.5	320.7	332.1
147.5°	409.9	391.5	372.9	356.4	343.8	333.2	326.2	325.2	326.2	333.2	343.8
150°	411.8	394.8	376.8	363.0	351.6	341.0	335.3	333.7	335.3	341.0	351.6
152.5°	413.1	398.0	381.4	368.8	358.1	348.9	343.8	342.8	343.8	348.9	358.1
155°	414.3	401.2	387.4	376.0	367.9	359.7	354.8	354.8	354.8	359.7	367.9
157.5°	415.1	404.0	392.2	383.5	376.3	369.3	365.4	365.6	365.4	369.3	376.3
160°	415.1	405.3	394.8	387.4	380.9	375.2	371.9	372.8	371.9	375.2	380.9
162.5°	414.4	406.6	397.4	391.3	386.1	381.1	377.8	378.6	377.8	381.1	386.1
165°	413.4	406.9	400.5	395.6	392.3	388.2	385.8	387.4	385.8	388.2	392.3
167.5°	411.5	406.9	401.5	398.5	396.2	394.0	392.5	393.3	392.5	394.0	396.2
170°	410.2	406.9	402.8	400.5	398.8	397.2	396.4	397.2	396.4	397.2	398.8
172.5°	408.9	406.3	402.8	401.7	400.7	399.2	398.4	399.8	398.4	399.2	400.7
175°	406.9	405.3	402.8	402.8	402.8	402.0	401.2	402.8	401.2	402.0	402.8
177.5°	405.0	404.3	403.0	403.0	403.7	403.0	403.0	404.3	403.0	403.0	403.7
180°	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7



TEST NUMBER: P333324-930

CATALOG NUMBER: S125DIP-S1270D1035U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1471.4	1465.8	1461.3	1451.1	1445.4	1437.9	1431.7	1438.4	1431.3	1434.3	1429.7
5°	1425.6	1407.7	1395.1	1376.6	1360.7	1346.1	1335.3	1333.3	1328.3	1325.8	1318.1
7.5°	1370.4	1348.1	1326.2	1302.1	1281.7	1261.0	1247.8	1236.9	1229.6	1220.1	1213.7
10°	1337.8	1308.0	1282.5	1253.3	1227.8	1205.7	1187.8	1178.9	1170.7	1158.6	1154.1
12.5°	1297.6	1266.7	1235.7	1204.5	1180.1	1155.3	1140.0	1126.6	1120.9	1107.3	1105.9
15°	1249.4	1203.1	1172.6	1140.8	1107.1	1086.8	1074.1	1059.5	1053.1	1043.6	1036.6
17.5°	1192.0	1150.6	1112.5	1079.5	1050.7	1033.6	1017.7	1007.7	996.8	990.6	979.1
20°	1150.3	1110.9	1072.8	1037.9	1015.6	995.9	983.2	973.6	962.2	959.0	947.6
22.5°	1115.2	1071.8	1035.2	1005.8	981.5	959.3	945.6	939.1	931.2	921.5	919.1
25°	1058.2	1013.1	981.9	952.7	931.1	910.8	901.2	892.9	885.3	878.3	875.8
27.5°	1008.9	968.6	931.6	905.1	886.3	867.8	859.4	849.4	843.8	838.1	831.3
30°	974.3	932.9	900.6	875.1	854.8	838.3	829.4	822.4	817.3	812.2	808.5
32.5°	938.7	900.4	869.0	844.2	823.8	811.3	803.5	798.5	792.9	786.8	782.0
35°	891.7	849.7	819.2	797.6	781.7	772.2	763.3	758.8	752.5	752.5	747.4
37.5°	838.7	802.4	775.5	755.8	741.5	733.0	723.4	720.3	716.2	713.5	711.8
40°	807.1	773.5	748.0	728.3	713.1	706.0	698.5	693.4	690.8	687.6	686.4
42.5°	774.6	742.4	718.0	699.9	686.6	680.7	673.5	670.0	664.9	660.7	660.0
45°	725.1	694.0	671.8	657.1	645.7	638.7	634.3	626.6	624.1	619.1	618.4
47.5°	678.2	648.4	626.6	614.6	604.5	598.8	591.8	584.2	581.3	578.7	578.5
50°	643.2	615.9	595.5	584.1	574.5	566.3	559.3	554.2	552.3	552.3	553.6
52.5°	607.6	584.3	567.0	553.0	544.0	535.2	528.8	525.7	522.8	525.9	528.2
55°	555.5	532.0	519.3	505.9	497.0	486.8	483.6	482.4	480.5	485.6	488.1
57.5°	500.3	483.8	468.9	455.7	447.7	441.8	437.5	436.8	440.3	442.7	450.9
60°	465.2	446.1	432.8	422.7	413.1	409.3	408.1	406.8	409.3	416.3	427.1
62.5°	426.6	411.1	396.7	389.1	382.0	375.8	375.4	376.3	381.3	389.3	400.1
65°	369.9	356.5	347.0	338.1	332.4	328.6	329.9	332.4	338.1	348.9	361.0
67.5°	312.3	303.1	294.6	287.4	281.9	281.9	283.2	287.0	293.8	306.2	317.2
70°	275.2	265.1	258.0	254.9	250.4	247.9	251.7	258.0	263.7	275.2	284.7
72.5°	238.1	229.4	224.0	221.8	219.9	217.8	219.2	226.0	233.7	245.2	256.2
75°	183.0	179.9	176.0	173.5	171.6	172.8	174.1	180.5	186.9	198.9	211.7
77.5°	133.6	130.3	128.0	127.3	126.4	126.9	130.5	135.3	141.5	150.3	159.9
80°	101.0	99.8	98.5	97.8	97.8	98.5	103.6	106.8	112.5	120.7	128.4
82.5°	73.6	72.8	72.6	72.5	73.0	73.1	76.1	80.3	85.0	91.2	97.8
85°	38.8	37.5	39.4	40.0	38.8	40.7	41.9	44.5	46.4	49.6	52.7
87.5°	14.0	15.3	15.0	15.8	16.0	17.4	17.0	19.2	20.4	21.5	21.4
90°	6.5	8.2	9.0	10.6	11.4	13.0	13.9	14.7	15.5	16.3	17.9
92.5°	43.0	66.8	111.2	185.7	266.6	262.4	212.4	144.2	104.7	78.8	66.8
95°	61.1	97.7	184.7	363.8	588.5	721.1	705.6	585.2	461.5	361.3	293.0
97.5°	75.2	101.6	159.2	290.4	525.5	770.1	892.8	871.6	784.7	687.2	592.2
100°	86.3	110.7	157.9	263.7	468.8	734.9	938.4	1001.1	961.2	877.3	792.7
102.5°	98.0	121.7	163.8	252.7	425.8	673.1	911.1	1044.7	1069.3	1029.1	971.8
105°	117.2	140.0	175.8	248.3	384.2	590.0	823.7	1019.0	1130.5	1166.3	1157.3
107.5°	138.5	159.1	193.7	255.8	366.6	533.0	734.4	927.2	1076.0	1167.9	1210.4
110°	152.2	173.3	206.8	262.9	361.3	506.2	683.6	859.5	1014.1	1128.9	1198.1



TEST NUMBER: P333324-930

CATALOG NUMBER: S125DIP-S1270D1035U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	166.5	187.0	219.1	272.0	361.3	490.6	645.9	806.1	952.9	1068.9	1150.6
115°	188.0	208.4	238.5	285.7	363.8	473.7	604.7	739.0	865.2	976.6	1065.4
117.5°	210.2	229.8	258.4	301.3	369.2	465.4	580.2	695.7	804.5	900.5	981.9
120°	223.8	244.2	272.6	311.7	374.4	461.5	566.5	672.3	770.0	859.5	931.1
122.5°	237.5	257.9	286.3	323.4	379.0	458.2	554.7	654.7	745.2	824.9	892.0
125°	256.4	277.5	304.4	339.4	386.6	454.1	538.8	629.2	712.2	782.9	841.6
127.5°	274.8	296.0	321.8	354.0	395.3	452.2	524.2	603.1	680.6	746.7	801.5
130°	286.5	307.6	332.9	363.8	400.5	450.9	514.4	586.9	658.4	721.9	774.9
132.5°	296.9	318.0	343.3	372.3	406.3	450.9	506.5	570.5	637.6	695.2	746.2
135°	310.1	332.1	357.3	384.2	414.3	450.9	497.3	549.3	605.5	657.6	704.0
137.5°	321.6	344.3	367.2	393.0	421.6	451.8	489.0	531.5	576.9	620.2	659.6
140°	328.8	350.8	374.4	398.8	424.9	452.5	485.1	521.7	559.9	597.4	631.6
142.5°	336.0	356.6	379.0	402.0	426.8	453.1	481.8	513.2	545.6	577.9	607.5
145°	346.7	365.4	386.6	406.9	428.9	452.5	477.0	502.1	527.4	552.6	574.6
147.5°	356.4	372.9	391.5	409.9	429.7	450.4	471.9	491.8	512.3	531.7	548.2
150°	363.0	376.8	394.8	411.8	429.7	448.4	468.0	485.9	503.8	519.3	533.9
152.5°	368.8	381.4	398.0	413.1	429.1	445.9	463.4	479.4	495.3	509.5	520.9
155°	376.0	387.4	401.2	414.3	427.3	441.2	455.8	469.6	482.7	494.1	503.0
157.5°	383.5	392.2	404.0	415.1	425.2	436.3	448.6	459.8	470.6	479.4	486.4
160°	387.4	394.8	405.3	415.1	423.2	433.0	442.8	453.3	461.5	469.6	475.3
162.5°	391.3	397.4	406.6	414.4	421.3	429.1	437.6	446.2	453.6	460.5	465.5
165°	395.6	400.5	406.9	413.4	418.3	423.2	429.7	436.3	442.0	446.9	450.9
167.5°	398.5	401.5	406.9	411.5	413.8	417.5	422.1	426.8	430.6	434.3	437.2
170°	400.5	402.8	406.9	410.2	411.8	414.3	417.5	421.6	424.0	426.5	428.1
172.5°	401.7	402.8	406.3	408.9	409.2	410.3	412.9	415.7	418.2	420.0	420.9
175°	402.8	402.8	405.3	406.9	406.1	406.1	406.9	409.4	409.4	411.0	411.0
177.5°	403.0	403.0	404.3	405.0	403.7	403.7	404.3	405.0	405.6	405.6	405.6
180°	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7



TEST NUMBER: P333324-930

CATALOG NUMBER: S125DIP-S1270D1035U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1426.7	1430.2	1427.2	1431.3	1427.2	1430.2	1426.7	1429.7	1434.3	1431.3	1438.4
5°	1314.9	1309.2	1313.0	1310.5	1313.0	1309.2	1314.9	1318.1	1325.8	1328.3	1333.3
7.5°	1211.7	1206.2	1200.0	1197.1	1200.0	1206.2	1211.7	1213.7	1220.1	1229.6	1236.9
10°	1147.1	1140.2	1139.5	1135.1	1139.5	1140.2	1147.1	1154.1	1158.6	1170.7	1178.9
12.5°	1099.8	1093.4	1086.1	1084.3	1086.1	1093.4	1099.8	1105.9	1107.3	1120.9	1126.6
15°	1032.7	1027.7	1023.2	1027.0	1023.2	1027.7	1032.7	1036.6	1043.6	1053.1	1059.5
17.5°	977.0	972.7	972.0	967.3	972.0	972.7	977.0	979.1	990.6	996.8	1007.7
20°	941.9	938.7	940.0	931.7	940.0	938.7	941.9	947.6	959.0	962.2	973.6
22.5°	914.0	907.7	906.9	905.3	906.9	907.7	914.0	919.1	921.5	931.2	939.1
25°	870.1	866.9	863.7	866.9	863.7	866.9	870.1	875.8	878.3	885.3	892.9
27.5°	831.8	828.0	827.1	827.4	827.1	828.0	831.8	831.3	838.1	843.8	849.4
30°	808.5	802.1	802.7	802.1	802.7	802.1	808.5	808.5	812.2	817.3	822.4
32.5°	783.0	778.7	777.8	776.7	777.8	778.7	783.0	782.0	786.8	792.9	798.5
35°	745.5	745.5	742.3	742.3	742.3	745.5	745.5	747.4	752.5	752.5	758.8
37.5°	710.3	709.6	707.8	708.0	707.8	709.6	710.3	711.8	713.5	716.2	720.3
40°	683.9	683.2	681.3	677.5	681.3	683.2	683.9	686.4	687.6	690.8	693.4
42.5°	658.4	656.2	655.3	654.1	655.3	656.2	658.4	660.0	660.7	664.9	670.0
45°	618.4	618.4	617.1	616.4	617.1	618.4	618.4	618.4	619.1	624.1	626.6
47.5°	579.5	580.7	583.0	582.7	583.0	580.7	579.5	578.5	578.7	581.3	584.2
50°	556.1	556.8	558.6	559.3	558.6	556.8	556.1	553.6	552.3	552.3	554.2
52.5°	530.2	533.9	536.3	535.9	536.3	533.9	530.2	528.2	525.9	522.8	525.7
55°	493.8	498.2	502.7	503.4	502.7	498.2	493.8	488.1	485.6	480.5	482.4
57.5°	457.9	464.1	468.8	470.3	468.8	464.1	457.9	450.9	442.7	440.3	436.8
60°	433.4	441.7	447.4	450.0	447.4	441.7	433.4	427.1	416.3	409.3	406.8
62.5°	410.0	419.3	425.0	425.6	425.0	419.3	410.0	400.1	389.3	381.3	376.3
65°	371.8	381.3	386.4	390.2	386.4	381.3	371.8	361.0	348.9	338.1	332.4
67.5°	330.6	340.1	345.8	348.8	345.8	340.1	330.6	317.2	306.2	293.8	287.0
70°	300.6	310.1	317.8	320.3	317.8	310.1	300.6	284.7	275.2	263.7	258.0
72.5°	271.1	279.6	285.8	288.8	285.8	279.6	271.1	256.2	245.2	233.7	226.0
75°	219.9	231.3	237.1	240.3	237.1	231.3	219.9	211.7	198.9	186.9	180.5
77.5°	169.6	180.0	183.4	185.1	183.4	180.0	169.6	159.9	150.3	141.5	135.3
80°	136.0	142.4	146.8	147.4	146.8	142.4	136.0	128.4	120.7	112.5	106.8
82.5°	104.5	109.8	111.2	112.8	111.2	109.8	104.5	97.8	91.2	85.0	80.3
85°	57.2	59.8	60.4	59.8	60.4	59.8	57.2	52.7	49.6	46.4	44.5
87.5°	22.4	21.9	22.0	23.1	22.0	21.9	22.4	21.4	21.5	20.4	19.2
90°	17.9	17.9	18.8	18.8	18.8	17.9	17.9	17.9	16.3	15.5	14.7
92.5°	56.3	54.4	53.2	51.9	53.2	54.4	56.3	66.8	78.8	104.7	144.2
95°	235.2	210.8	204.3	191.3	204.3	210.8	235.2	293.0	361.3	461.5	585.2
97.5°	541.9	496.3	472.7	462.3	472.7	496.3	541.9	592.2	687.2	784.7	871.6
100°	736.5	678.0	647.8	634.9	647.8	678.0	736.5	792.7	877.3	961.2	1001.1
102.5°	911.7	870.1	837.3	827.5	837.3	870.1	911.7	971.8	1029.1	1069.3	1044.7
105°	1131.3	1104.5	1088.2	1078.4	1088.2	1104.5	1131.3	1157.3	1166.3	1130.5	1019.0
107.5°	1223.6	1223.4	1218.1	1211.5	1218.1	1223.4	1223.6	1210.4	1167.9	1076.0	927.2
110°	1234.7	1250.1	1255.8	1255.8	1255.8	1250.1	1234.7	1198.1	1128.9	1014.1	859.5



TEST NUMBER: P333324-930  
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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1204.0	1230.6	1244.8	1250.6	1244.8	1230.6	1204.0	1150.6	1068.9	952.9	806.1
115°	1128.9	1167.9	1190.7	1201.3	1190.7	1167.9	1128.9	1065.4	976.6	865.2	739.0
117.5°	1045.4	1085.7	1108.3	1114.8	1108.3	1085.7	1045.4	981.9	900.5	804.5	695.7
120°	991.3	1030.4	1052.4	1058.9	1052.4	1030.4	991.3	931.1	859.5	770.0	672.3
122.5°	945.7	981.5	1003.6	1009.4	1003.6	981.5	945.7	892.0	824.9	745.2	654.7
125°	887.1	920.5	938.4	946.6	938.4	920.5	887.1	841.6	782.9	712.2	629.2
127.5°	842.9	872.3	889.2	892.8	889.2	872.3	842.9	801.5	746.7	680.6	603.1
130°	815.5	842.4	858.7	863.6	858.7	842.4	815.5	774.9	721.9	658.4	586.9
132.5°	786.8	813.8	828.7	834.2	828.7	813.8	786.8	746.2	695.2	637.6	570.5
135°	739.8	766.7	781.3	786.2	781.3	766.7	739.8	704.0	657.6	605.5	549.3
137.5°	691.6	716.1	729.6	734.9	729.6	716.1	691.6	659.6	620.2	576.9	531.5
140°	661.7	682.9	695.0	699.1	695.0	682.9	661.7	631.6	597.4	559.9	521.7
142.5°	633.1	650.9	662.5	665.9	662.5	650.9	633.1	607.5	577.9	545.6	513.2
145°	594.1	608.0	616.9	620.2	616.9	608.0	594.1	574.6	552.6	527.4	502.1
147.5°	563.7	574.8	580.0	581.5	580.0	574.8	563.7	548.2	531.7	512.3	491.8
150°	546.1	555.9	559.1	559.9	559.1	555.9	546.1	533.9	519.3	503.8	485.9
152.5°	531.2	539.0	542.2	543.0	542.2	539.0	531.2	520.9	509.5	495.3	479.4
155°	511.1	516.8	519.3	520.1	519.3	516.8	511.1	503.0	494.1	482.7	469.6
157.5°	492.8	497.4	499.7	499.5	499.7	497.4	492.8	486.4	479.4	470.6	459.8
160°	481.0	485.1	486.7	485.9	486.7	485.1	481.0	475.3	469.6	461.5	453.3
162.5°	469.9	473.4	473.7	473.5	473.7	473.4	469.9	465.5	460.5	453.6	446.2
165°	454.1	455.8	455.8	455.8	455.8	455.8	454.1	450.9	446.9	442.0	436.3
167.5°	438.9	440.3	439.7	439.5	439.7	440.3	438.9	437.2	434.3	430.6	426.8
170°	429.7	430.6	430.6	429.7	430.6	430.6	429.7	428.1	426.5	424.0	421.6
172.5°	421.3	422.7	421.4	420.6	421.4	422.7	421.3	420.9	420.0	418.2	415.7
175°	411.0	411.8	410.2	409.4	410.2	411.8	411.0	411.0	411.0	409.4	409.4
177.5°	405.0	405.6	403.7	403.7	403.7	405.6	405.0	405.6	405.6	405.6	405.0
180°	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7



TEST NUMBER: P333324-930

CATALOG NUMBER: S125DIP-S1270D1035U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1431.7	1437.9	1445.4	1451.1	1461.3	1465.8	1471.4	1476.0	1484.1	1491.8	1500.9
5°	1335.3	1346.1	1360.7	1376.6	1395.1	1407.7	1425.6	1436.3	1457.9	1477.6	1496.7
7.5°	1247.8	1261.0	1281.7	1302.1	1326.2	1348.1	1370.4	1395.1	1422.6	1455.1	1482.1
10°	1187.8	1205.7	1227.8	1253.3	1282.5	1308.0	1337.8	1364.5	1398.2	1436.3	1471.9
12.5°	1140.0	1155.3	1180.1	1204.5	1235.7	1266.7	1297.6	1333.0	1372.2	1414.5	1459.2
15°	1074.1	1086.8	1107.1	1140.8	1172.6	1203.1	1249.4	1282.5	1332.1	1379.2	1433.1
17.5°	1017.7	1033.6	1050.7	1079.5	1112.5	1150.6	1192.0	1233.5	1281.2	1340.8	1401.7
20°	983.2	995.9	1015.6	1037.9	1072.8	1110.9	1150.3	1192.3	1250.8	1312.4	1377.9
22.5°	945.6	959.3	981.5	1005.8	1035.2	1071.8	1115.2	1161.2	1222.3	1282.9	1354.0
25°	901.2	910.8	931.1	952.7	981.9	1013.1	1058.2	1109.1	1169.4	1238.7	1311.2
27.5°	859.4	867.8	886.3	905.1	931.6	968.6	1008.9	1060.2	1117.1	1187.3	1267.6
30°	829.4	838.3	854.8	875.1	900.6	932.9	974.3	1022.6	1083.6	1152.3	1236.2
32.5°	803.5	811.3	823.8	844.2	869.0	900.4	938.7	988.0	1049.0	1118.7	1201.0
35°	763.3	772.2	781.7	797.6	819.2	849.7	891.7	938.1	996.5	1063.9	1139.5
37.5°	723.4	733.0	741.5	755.8	775.5	802.4	838.7	887.0	939.9	1004.8	1077.3
40°	698.5	706.0	713.1	728.3	748.0	773.5	807.1	850.4	906.3	966.7	1027.0
42.5°	673.5	680.7	686.6	699.9	718.0	742.4	774.6	816.8	868.7	925.0	978.2
45°	634.3	638.7	645.7	657.1	671.8	694.0	725.1	762.6	806.5	859.9	899.9
47.5°	591.8	598.8	604.5	614.6	626.6	648.4	678.2	710.1	749.9	789.6	817.8
50°	559.3	566.3	574.5	584.1	595.5	615.9	643.2	675.6	709.2	739.8	763.9
52.5°	528.8	535.2	544.0	553.0	567.0	584.3	607.6	636.4	669.6	691.5	711.6
55°	483.6	486.8	497.0	505.9	519.3	532.0	555.5	580.9	601.2	617.8	634.3
57.5°	437.5	441.8	447.7	455.7	468.9	483.8	500.3	522.8	534.8	543.2	556.1
60°	408.1	409.3	413.1	422.7	432.8	446.1	465.2	481.1	490.0	497.0	507.8
62.5°	375.4	375.8	382.0	389.1	396.7	411.1	426.6	439.4	446.8	450.2	460.5
65°	329.9	328.6	332.4	338.1	347.0	356.5	369.9	381.3	380.7	384.5	390.9
67.5°	283.2	281.9	281.9	287.4	294.6	303.1	312.3	318.9	319.0	324.2	327.3
70°	251.7	247.9	250.4	254.9	258.0	265.1	275.2	277.8	278.3	280.9	284.1
72.5°	219.2	217.8	219.9	221.8	224.0	229.4	238.1	239.6	239.7	241.2	246.5
75°	174.1	172.8	171.6	173.5	176.0	179.9	183.0	185.6	184.9	185.6	189.4
77.5°	130.5	126.9	126.4	127.3	128.0	130.3	133.6	133.3	134.0	133.9	138.2
80°	103.6	98.5	97.8	97.8	98.5	99.8	101.0	102.3	100.4	102.3	103.6
82.5°	76.1	73.1	73.0	72.5	72.6	72.8	73.6	74.4	73.9	74.8	75.7
85°	41.9	40.7	38.8	40.0	39.4	37.5	38.8	36.9	36.2	36.9	37.5
87.5°	17.0	17.4	16.0	15.8	15.0	15.3	14.0	13.2	12.3	12.6	13.9
90°	13.9	13.0	11.4	10.6	9.0	8.2	6.5	4.9	3.3	1.6	0.8
92.5°	212.4	262.4	266.6	185.7	111.2	66.8	43.0	28.9	18.9	12.1	9.9
95°	705.6	721.1	588.5	363.8	184.7	97.7	61.1	43.1	34.2	27.6	26.8
97.5°	892.8	770.1	525.5	290.4	159.2	101.6	75.2	59.1	50.1	45.6	44.6
100°	938.4	734.9	468.8	263.7	157.9	110.7	86.3	70.8	61.9	58.6	57.0
102.5°	911.1	673.1	425.8	252.7	163.8	121.7	98.0	83.8	74.2	71.6	70.7
105°	823.7	590.0	384.2	248.3	175.8	140.0	117.2	104.2	96.0	92.0	92.0
107.5°	734.4	533.0	366.6	255.8	193.7	159.1	138.5	125.0	118.3	114.5	112.8
110°	683.6	506.2	361.3	262.9	206.8	173.3	152.2	140.0	132.6	129.4	127.8



TEST NUMBER: P333324-930

CATALOG NUMBER: S125DIP-S1270D1035U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	645.9	490.6	361.3	272.0	219.1	187.0	166.5	154.3	147.0	144.4	142.8
115°	604.7	473.7	363.8	285.7	238.5	208.4	188.0	175.8	168.4	166.0	164.4
117.5°	580.2	465.4	369.2	301.3	258.4	229.8	210.2	196.3	189.0	186.4	183.9
120°	566.5	461.5	374.4	311.7	272.6	244.2	223.8	210.0	202.7	199.4	197.0
122.5°	554.7	458.2	379.0	323.4	286.3	257.9	237.5	222.3	215.0	212.4	210.7
125°	538.8	454.1	386.6	339.4	304.4	277.5	256.4	240.9	233.6	229.5	227.9
127.5°	524.2	452.2	395.3	354.0	321.8	296.0	274.8	258.4	249.1	243.9	241.4
130°	514.4	450.9	400.5	363.8	332.9	307.6	286.5	269.4	258.9	252.3	249.9
132.5°	506.5	450.9	406.3	372.3	343.3	318.0	296.9	279.2	267.3	259.4	256.4
135°	497.3	450.9	414.3	384.2	357.3	332.1	310.1	293.0	280.0	270.2	266.9
137.5°	489.0	451.8	421.6	393.0	367.2	344.3	321.6	304.9	291.9	282.7	280.3
140°	485.1	452.5	424.9	398.8	374.4	350.8	328.8	313.3	300.4	290.6	288.1
142.5°	481.8	453.1	426.8	402.0	379.0	356.6	336.0	321.1	308.1	299.1	297.3
145°	477.0	452.5	428.9	406.9	386.6	365.4	346.7	332.1	320.7	312.5	310.9
147.5°	471.9	450.4	429.7	409.9	391.5	372.9	356.4	343.8	333.2	326.2	325.2
150°	468.0	448.4	429.7	411.8	394.8	376.8	363.0	351.6	341.0	335.3	333.7
152.5°	463.4	445.9	429.1	413.1	398.0	381.4	368.8	358.1	348.9	343.8	342.8
155°	455.8	441.2	427.3	414.3	401.2	387.4	376.0	367.9	359.7	354.8	354.8
157.5°	448.6	436.3	425.2	415.1	404.0	392.2	383.5	376.3	369.3	365.4	365.6
160°	442.8	433.0	423.2	415.1	405.3	394.8	387.4	380.9	375.2	371.9	372.8
162.5°	437.6	429.1	421.3	414.4	406.6	397.4	391.3	386.1	381.1	377.8	378.6
165°	429.7	423.2	418.3	413.4	406.9	400.5	395.6	392.3	388.2	385.8	387.4
167.5°	422.1	417.5	413.8	411.5	406.9	401.5	398.5	396.2	394.0	392.5	393.3
170°	417.5	414.3	411.8	410.2	406.9	402.8	400.5	398.8	397.2	396.4	397.2
172.5°	412.9	410.3	409.2	408.9	406.3	402.8	401.7	400.7	399.2	398.4	399.8
175°	406.9	406.1	406.1	406.9	405.3	402.8	402.8	402.8	402.0	401.2	402.8
177.5°	404.3	403.7	403.7	405.0	404.3	403.0	403.0	403.7	403.0	403.0	404.3
180°	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7



TEST NUMBER: P333324-930  
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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1505.5	1512.6	1517.2	1525.8	1532.9	1537.0	1540.6	1543.6	1547.2	1550.2	1558.9
5°	1515.2	1531.6	1545.6	1567.2	1587.0	1602.2	1618.7	1633.4	1645.4	1662.6	1675.9
7.5°	1510.9	1540.3	1571.1	1604.5	1638.7	1670.5	1699.7	1727.0	1751.8	1781.8	1808.1
10°	1506.8	1546.9	1586.3	1631.4	1677.8	1717.3	1754.1	1791.6	1818.9	1857.1	1889.5
12.5°	1503.8	1550.9	1598.6	1652.8	1703.7	1759.4	1808.5	1835.8	1877.4	1907.9	1946.4
15°	1491.0	1553.3	1618.7	1679.8	1752.2	1803.7	1846.9	1900.3	1939.0	1977.8	2019.7
17.5°	1467.9	1538.6	1611.8	1691.7	1761.2	1816.5	1872.2	1923.7	1969.9	2021.9	2074.1
20°	1457.3	1527.9	1611.8	1693.7	1761.7	1819.6	1876.7	1933.3	1984.2	2050.9	2111.3
22.5°	1434.9	1520.2	1597.5	1677.5	1747.5	1810.4	1875.3	1939.4	2007.0	2082.4	2158.0
25°	1395.1	1481.5	1563.4	1642.3	1712.8	1791.6	1860.8	1946.7	2033.1	2132.9	2226.9
27.5°	1353.6	1436.3	1511.5	1587.6	1669.8	1759.1	1848.9	1946.3	2059.4	2185.4	2318.1
30°	1320.1	1398.2	1471.3	1549.5	1635.2	1735.7	1834.2	1949.9	2080.8	2222.5	2380.1
32.5°	1280.8	1352.9	1424.0	1506.8	1600.2	1706.2	1821.0	1947.8	2105.2	2266.2	2428.5
35°	1213.9	1274.2	1347.4	1435.7	1541.2	1662.6	1795.5	1945.4	2125.9	2310.8	2447.4
37.5°	1134.4	1190.7	1267.6	1364.5	1475.1	1605.4	1763.0	1941.0	2132.7	2280.1	2324.2
40°	1081.1	1133.2	1213.2	1313.7	1426.8	1564.7	1737.6	1925.7	2111.3	2205.3	2169.1
42.5°	1024.1	1078.8	1156.8	1256.2	1378.0	1528.1	1705.5	1893.7	2049.3	2084.8	1959.7
45°	934.3	990.8	1067.7	1168.2	1299.0	1461.8	1646.7	1817.6	1907.2	1843.1	1649.3
47.5°	850.8	903.8	975.0	1078.6	1213.7	1382.0	1560.2	1696.6	1703.6	1550.5	1343.5
50°	793.8	842.7	914.5	1018.1	1152.3	1322.6	1483.4	1590.7	1542.5	1369.0	1170.0
52.5°	737.8	785.8	856.6	959.2	1091.8	1247.8	1397.4	1472.8	1381.8	1203.7	1033.8
55°	657.1	699.1	768.3	863.1	988.9	1133.8	1260.9	1286.9	1168.7	993.4	855.4
57.5°	578.4	617.5	680.5	767.8	882.8	1011.1	1110.5	1105.0	980.0	829.5	720.1
60°	525.0	563.1	619.1	704.2	809.0	919.7	1004.8	984.5	860.5	730.9	638.7
62.5°	477.2	511.2	564.1	638.6	734.3	836.7	906.7	876.7	755.3	641.9	569.1
65°	406.8	435.4	480.5	544.0	623.5	708.0	762.0	723.3	619.6	531.3	472.9
67.5°	339.5	362.4	400.2	450.9	518.7	586.6	619.5	580.5	497.7	433.2	389.9
70°	296.8	317.2	346.3	391.5	450.6	507.8	532.6	497.7	426.5	371.1	340.0
72.5°	254.1	270.8	296.5	337.1	384.5	434.1	455.8	422.4	363.9	317.2	288.1
75°	196.4	207.8	225.6	253.6	291.1	330.5	342.6	313.3	275.8	240.8	221.8
77.5°	140.6	150.3	163.7	181.4	208.0	233.0	243.5	226.7	197.6	175.5	159.9
80°	108.0	113.2	124.6	139.2	160.1	176.0	183.0	172.3	151.9	135.3	123.3
82.5°	77.0	82.1	88.9	101.0	114.4	125.2	132.7	125.5	110.7	97.8	90.7
85°	37.5	40.7	44.5	49.6	59.8	66.1	65.5	61.0	55.3	50.2	46.4
87.5°	13.5	14.3	16.2	19.1	21.0	23.2	24.5	23.6	21.9	20.5	19.2
90°	1.6	3.3	4.9	6.5	8.2	9.0	10.6	11.4	13.0	13.9	14.7
92.5°	12.1	18.9	28.9	43.0	66.8	111.2	185.7	266.6	262.4	212.4	144.2
95°	27.6	34.2	43.1	61.1	97.7	184.7	363.8	588.5	721.1	705.6	585.2
97.5°	45.6	50.1	59.1	75.2	101.6	159.2	290.4	525.5	770.1	892.8	871.6
100°	58.6	61.9	70.8	86.3	110.7	157.9	263.7	468.8	734.9	938.4	1001.1
102.5°	71.6	74.2	83.8	98.0	121.7	163.8	252.7	425.8	673.1	911.1	1044.7
105°	92.0	96.0	104.2	117.2	140.0	175.8	248.3	384.2	590.0	823.7	1019.0
107.5°	114.5	118.3	125.0	138.5	159.1	193.7	255.8	366.6	533.0	734.4	927.2
110°	129.4	132.6	140.0	152.2	173.3	206.8	262.9	361.3	506.2	683.6	859.5





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	144.4	147.0	154.3	166.5	187.0	219.1	272.0	361.3	490.6	645.9	806.1
115°	166.0	168.4	175.8	188.0	208.4	238.5	285.7	363.8	473.7	604.7	739.0
117.5°	186.4	189.0	196.3	210.2	229.8	258.4	301.3	369.2	465.4	580.2	695.7
120°	199.4	202.7	210.0	223.8	244.2	272.6	311.7	374.4	461.5	566.5	672.3
122.5°	212.4	215.0	222.3	237.5	257.9	286.3	323.4	379.0	458.2	554.7	654.7
125°	229.5	233.6	240.9	256.4	277.5	304.4	339.4	386.6	454.1	538.8	629.2
127.5°	243.9	249.1	258.4	274.8	296.0	321.8	354.0	395.3	452.2	524.2	603.1
130°	252.3	258.9	269.4	286.5	307.6	332.9	363.8	400.5	450.9	514.4	586.9
132.5°	259.4	267.3	279.2	296.9	318.0	343.3	372.3	406.3	450.9	506.5	570.5
135°	270.2	280.0	293.0	310.1	332.1	357.3	384.2	414.3	450.9	497.3	549.3
137.5°	282.7	291.9	304.9	321.6	344.3	367.2	393.0	421.6	451.8	489.0	531.5
140°	290.6	300.4	313.3	328.8	350.8	374.4	398.8	424.9	452.5	485.1	521.7
142.5°	299.1	308.1	321.1	336.0	356.6	379.0	402.0	426.8	453.1	481.8	513.2
145°	312.5	320.7	332.1	346.7	365.4	386.6	406.9	428.9	452.5	477.0	502.1
147.5°	326.2	333.2	343.8	356.4	372.9	391.5	409.9	429.7	450.4	471.9	491.8
150°	335.3	341.0	351.6	363.0	376.8	394.8	411.8	429.7	448.4	468.0	485.9
152.5°	343.8	348.9	358.1	368.8	381.4	398.0	413.1	429.1	445.9	463.4	479.4
155°	354.8	359.7	367.9	376.0	387.4	401.2	414.3	427.3	441.2	455.8	469.6
157.5°	365.4	369.3	376.3	383.5	392.2	404.0	415.1	425.2	436.3	448.6	459.8
160°	371.9	375.2	380.9	387.4	394.8	405.3	415.1	423.2	433.0	442.8	453.3
162.5°	377.8	381.1	386.1	391.3	397.4	406.6	414.4	421.3	429.1	437.6	446.2
165°	385.8	388.2	392.3	395.6	400.5	406.9	413.4	418.3	423.2	429.7	436.3
167.5°	392.5	394.0	396.2	398.5	401.5	406.9	411.5	413.8	417.5	422.1	426.8
170°	396.4	397.2	398.8	400.5	402.8	406.9	410.2	411.8	414.3	417.5	421.6
172.5°	398.4	399.2	400.7	401.7	402.8	406.3	408.9	409.2	410.3	412.9	415.7
175°	401.2	402.0	402.8	402.8	402.8	405.3	406.9	406.1	406.1	406.9	409.4
177.5°	403.0	403.0	403.7	403.0	403.0	404.3	405.0	403.7	403.7	404.3	405.0
180°	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1565.9	1570.0	1578.7	1575.6	1579.7	1581.8	1583.8
5°	1692.5	1712.8	1721.7	1720.4	1733.7	1730.6	1727.4
7.5°	1835.3	1856.7	1868.7	1883.5	1892.1	1892.8	1900.3
10°	1916.2	1944.2	1955.6	1971.5	1981.7	1987.4	1986.7
12.5°	1978.2	2000.1	2025.7	2033.5	2047.2	2054.5	2051.8
15°	2052.8	2087.7	2114.5	2127.8	2145.0	2150.0	2157.0
17.5°	2119.5	2166.3	2197.5	2238.9	2254.5	2264.1	2258.5
20°	2169.8	2231.4	2262.5	2312.1	2339.4	2354.1	2349.0
22.5°	2229.3	2296.0	2353.5	2396.5	2438.1	2457.8	2461.9
25°	2331.2	2422.7	2507.2	2563.8	2615.2	2627.3	2654.0
27.5°	2445.1	2552.9	2643.4	2702.9	2738.7	2752.1	2760.5
30°	2516.7	2624.1	2692.2	2730.3	2741.8	2740.5	2739.2
32.5°	2551.8	2619.1	2632.2	2621.5	2595.3	2573.2	2550.1
35°	2502.2	2451.9	2376.9	2280.3	2209.1	2137.3	2130.4
37.5°	2250.3	2089.8	1965.0	1825.5	1745.1	1695.4	1661.1
40°	2013.4	1831.0	1679.8	1562.2	1480.2	1447.8	1416.0
42.5°	1756.2	1581.8	1447.9	1349.6	1288.0	1252.1	1226.9
45°	1426.8	1273.0	1168.2	1097.0	1048.0	1020.0	1004.1
47.5°	1169.1	1055.4	966.3	914.9	881.1	859.4	859.5
50°	1030.9	922.2	863.1	822.4	793.1	776.0	779.2
52.5°	908.3	827.1	776.7	742.6	721.0	710.4	710.0
55°	759.5	701.0	668.0	643.2	628.5	616.4	619.1
57.5°	649.6	600.3	578.2	557.7	547.5	542.7	535.7
60°	581.6	543.4	524.3	507.8	497.7	493.8	486.8
62.5°	521.1	491.1	472.5	459.0	449.8	448.6	443.1
65°	437.9	415.0	398.5	392.2	382.6	380.1	380.1
67.5°	361.0	344.6	331.7	325.9	321.7	322.4	319.3
70°	312.7	299.4	291.1	284.7	281.5	282.2	279.6
72.5°	273.5	258.7	251.4	247.6	243.4	245.1	244.0
75°	207.2	199.6	195.8	191.9	189.4	188.1	186.9
77.5°	152.1	145.4	142.5	140.3	140.7	137.6	140.1
80°	117.6	111.9	110.0	106.8	106.2	106.2	105.5
82.5°	86.0	82.8	81.4	78.8	77.7	78.7	77.0
85°	44.5	41.9	41.3	41.3	40.0	38.8	41.9
87.5°	19.3	17.5	17.9	17.3	17.3	17.0	16.0
90°	15.5	16.3	17.9	17.9	17.9	18.8	18.8
92.5°	104.7	78.8	66.8	56.3	54.4	53.2	51.9
95°	461.5	361.3	293.0	235.2	210.8	204.3	191.3
97.5°	784.7	687.2	592.2	541.9	496.3	472.7	462.3
100°	961.2	877.3	792.7	736.5	678.0	647.8	634.9
102.5°	1069.3	1029.1	971.8	911.7	870.1	837.3	827.5
105°	1130.5	1166.3	1157.3	1131.3	1104.5	1088.2	1078.4
107.5°	1076.0	1167.9	1210.4	1223.6	1223.4	1218.1	1211.5
110°	1014.1	1128.9	1198.1	1234.7	1250.1	1255.8	1255.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	952.9	1068.9	1150.6	1204.0	1230.6	1244.8	1250.6
115°	865.2	976.6	1065.4	1128.9	1167.9	1190.7	1201.3
117.5°	804.5	900.5	981.9	1045.4	1085.7	1108.3	1114.8
120°	770.0	859.5	931.1	991.3	1030.4	1052.4	1058.9
122.5°	745.2	824.9	892.0	945.7	981.5	1003.6	1009.4
125°	712.2	782.9	841.6	887.1	920.5	938.4	946.6
127.5°	680.6	746.7	801.5	842.9	872.3	889.2	892.8
130°	658.4	721.9	774.9	815.5	842.4	858.7	863.6
132.5°	637.6	695.2	746.2	786.8	813.8	828.7	834.2
135°	605.5	657.6	704.0	739.8	766.7	781.3	786.2
137.5°	576.9	620.2	659.6	691.6	716.1	729.6	734.9
140°	559.9	597.4	631.6	661.7	682.9	695.0	699.1
142.5°	545.6	577.9	607.5	633.1	650.9	662.5	665.9
145°	527.4	552.6	574.6	594.1	608.0	616.9	620.2
147.5°	512.3	531.7	548.2	563.7	574.8	580.0	581.5
150°	503.8	519.3	533.9	546.1	555.9	559.1	559.9
152.5°	495.3	509.5	520.9	531.2	539.0	542.2	543.0
155°	482.7	494.1	503.0	511.1	516.8	519.3	520.1
157.5°	470.6	479.4	486.4	492.8	497.4	499.7	499.5
160°	461.5	469.6	475.3	481.0	485.1	486.7	485.9
162.5°	453.6	460.5	465.5	469.9	473.4	473.7	473.5
165°	442.0	446.9	450.9	454.1	455.8	455.8	455.8
167.5°	430.6	434.3	437.2	438.9	440.3	439.7	439.5
170°	424.0	426.5	428.1	429.7	430.6	430.6	429.7
172.5°	418.2	420.0	420.9	421.3	422.7	421.4	420.6
175°	409.4	411.0	411.0	411.0	411.8	410.2	409.4
177.5°	405.6	405.6	405.6	405.0	405.6	403.7	403.7
180°	403.7	403.7	403.7	403.7	403.7	403.7	403.7

(END OF REPORT)