

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: P333315-940

Luminaire Tested: **S125DIP-S1270D810U940-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333315-940  
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-S1270D810U940-4F0-1E-UDD-A4  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 810 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7216.5 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: Semi-Direct

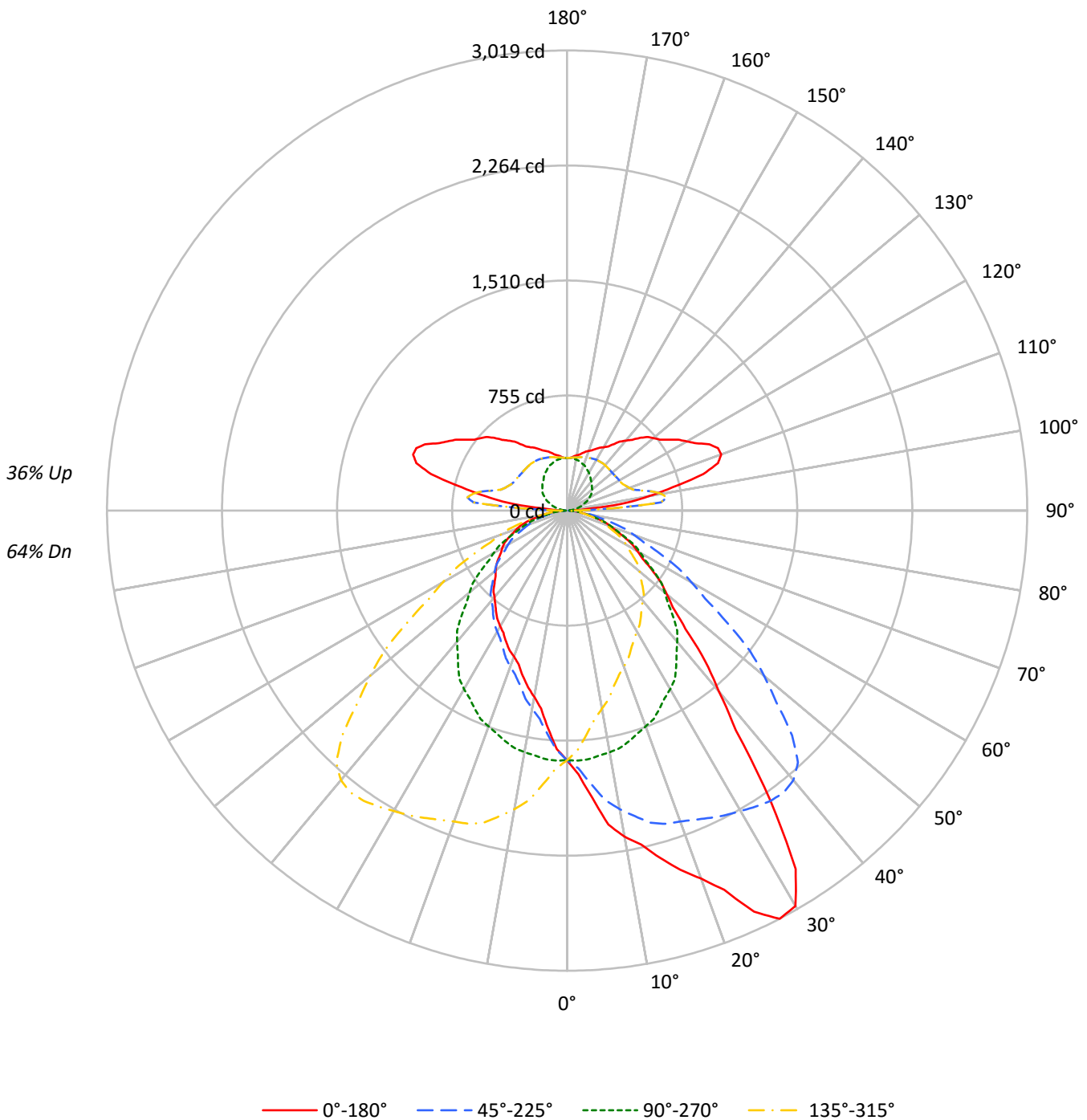
Input Watts (W): 60.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	110	110	110	110	104	104	104	104	91	91	91	80	80	80	69	69	69	64
1	101	97	93	90	95	91	88	85	80	78	76	71	69	67	62	60	59	55
2	92	85	79	74	87	80	75	70	71	67	63	62	59	56	54	52	50	46
3	84	75	68	62	79	71	64	59	63	58	53	55	51	48	48	45	43	39
4	77	67	59	52	72	63	56	50	56	50	46	49	45	41	43	40	37	34
5	71	59	51	45	67	56	49	43	50	44	40	44	40	36	39	35	32	30
6	66	53	45	39	61	51	43	38	45	39	35	40	35	32	36	32	29	26
7	61	48	40	35	57	46	38	33	41	35	31	37	32	28	33	29	25	23
8	56	44	36	31	53	42	35	30	38	32	27	34	29	25	30	26	23	21
9	53	40	33	27	49	38	31	26	34	29	24	31	26	23	28	24	21	19
10	49	37	30	25	46	35	28	24	32	26	22	29	24	20	26	22	19	17

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

	0°	90°	180°	270°
0°	10577	10577	10577	10577
5°	12248	10613	9292	10613
10°	14250	10558	8141	10558
15°	15774	10480	7511	10480
20°	17657	10357	7003	10357
25°	20685	10219	6757	10219
30°	22342	10082	6542	10082
35°	18370	9826	6401	9826
40°	13057	9470	6247	9470
45°	10030	8990	6158	8990
50°	8562	8395	6146	8395
55°	7624	7812	6199	7812
60°	6877	7174	6356	7174
65°	6353	6533	6522	6533
70°	5776	5867	6617	5867
75°	5100	5168	6558	5168
80°	4292	4214	5995	4214
85°	3394	3038	4846	3038



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	157.7	2.2
10°-20°	469.4	6.5
20°-30°	762.2	10.6
30°-40°	929.8	12.9
40°-50°	845.8	11.7
50°-60°	673.7	9.3
60°-70°	469.3	6.5
70°-80°	250.2	3.5
80°-90°	65.1	0.9
90°-100°	250.7	3.5
100°-110°	538.9	7.5
110°-120°	505.7	7.0
120°-130°	409.8	5.7
130°-140°	328.9	4.6
140°-150°	248.2	3.4
150°-160°	174.7	2.4
160°-170°	103.0	1.4
170°-180°	33.5	0.5
0°-30°	1389.3	19.3
0°-40°	2319.0	32.1
0°-60°	3838.6	53.2
0°-90°	4623.2	64.1
90°-120°	1295.2	17.9
90°-150°	2282.2	31.6
90°-180°	2593.0	35.9
0°-180°	7216.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1638	1638	1638	1638	1638	
5°	1889	1637	1433	1637	1889	190
15°	2359	1567	1123	1567	2359	675
25°	2903	1434	948	1434	2903	1326
35°	2330	1246	812	1246	2330	1426
45°	1098	984	674	984	1098	879
55°	677	694	550	694	677	610
65°	416	428	427	428	416	413
75°	204	207	263	207	204	220
85°	46	41	65	41	46	53
90°	16	1	16	1	16	13
95°	164	23	164	23	164	232
105°	924	79	924	79	924	918
115°	1029	141	1029	141	1029	1005
125°	811	195	811	195	811	734
135°	674	229	674	229	674	522
145°	531	266	531	266	531	338
155°	446	304	446	304	446	208
165°	390	332	390	332	390	112
175°	351	345	351	345	351	34
180°	346	346	346	346	346	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1732.2	1730.0	1727.8	1723.3	1726.6	1717.2	1712.7	1705.0	1695.5	1692.2	1688.3
5°	1889.3	1892.7	1896.2	1881.7	1883.0	1873.3	1851.1	1833.0	1818.4	1799.7	1786.5
7.5°	2078.4	2070.2	2069.5	2060.0	2043.8	2030.7	2007.3	1977.5	1948.8	1916.0	1888.9
10°	2172.9	2173.6	2167.4	2156.2	2138.9	2126.4	2095.8	2066.5	2031.1	1989.4	1959.5
12.5°	2244.1	2247.0	2239.1	2224.1	2215.5	2187.5	2163.6	2128.9	2086.7	2053.3	2007.9
15°	2359.2	2351.5	2346.0	2327.2	2312.7	2283.4	2245.2	2209.0	2163.2	2120.8	2078.4
17.5°	2470.1	2476.3	2465.8	2448.7	2403.4	2369.4	2318.1	2268.5	2211.4	2154.6	2104.0
20°	2569.1	2574.7	2558.7	2528.8	2474.6	2440.5	2373.1	2309.2	2243.1	2170.2	2114.5
22.5°	2692.6	2688.2	2666.6	2621.1	2574.1	2511.1	2438.2	2360.3	2277.6	2195.1	2121.2
25°	2902.8	2873.5	2860.3	2804.1	2742.2	2649.7	2549.7	2435.6	2332.8	2223.7	2129.1
27.5°	3019.2	3010.1	2995.3	2956.2	2891.1	2792.2	2674.2	2535.3	2390.2	2252.5	2128.7
30°	2995.9	2997.3	2998.7	2986.2	2944.5	2870.1	2752.6	2603.2	2430.8	2275.8	2132.6
32.5°	2789.1	2814.3	2838.6	2867.2	2878.9	2864.5	2791.0	2656.0	2478.6	2302.5	2130.4
35°	2330.0	2337.6	2416.2	2494.0	2599.7	2681.7	2736.7	2676.8	2527.4	2325.1	2127.7
37.5°	1816.8	1854.3	1908.6	1996.6	2149.1	2285.6	2461.2	2542.0	2493.8	2332.5	2122.9
40°	1548.7	1583.5	1618.9	1708.6	1837.2	2002.6	2202.1	2372.4	2412.0	2309.2	2106.2
42.5°	1341.8	1369.4	1408.7	1476.1	1583.6	1730.1	1920.7	2143.3	2280.2	2241.3	2071.2
45°	1098.2	1115.6	1146.2	1199.8	1277.6	1392.3	1560.5	1803.8	2015.8	2086.0	1988.0
47.5°	940.0	940.0	963.7	1000.7	1056.9	1154.3	1278.7	1469.4	1695.8	1863.3	1855.6
50°	852.2	848.7	867.5	899.5	944.0	1008.6	1127.5	1279.7	1497.3	1687.0	1739.8
52.5°	776.6	776.9	788.5	812.2	849.4	904.6	993.5	1130.7	1316.5	1511.3	1610.9
55°	677.1	674.2	687.4	703.5	730.6	766.7	830.6	935.6	1086.5	1278.3	1407.6
57.5°	585.9	593.5	598.8	609.9	632.4	656.6	710.5	787.6	907.2	1071.8	1208.5
60°	532.4	540.1	544.3	555.4	573.5	594.3	636.1	698.6	799.4	941.2	1076.7
62.5°	484.6	490.6	492.0	502.0	516.7	537.1	569.9	622.4	702.0	826.1	958.9
65°	415.7	415.7	418.5	428.9	435.9	453.9	478.9	517.2	581.1	677.7	791.0
67.5°	349.2	352.6	351.9	356.4	362.8	376.9	394.8	426.4	473.8	544.3	634.9
70°	305.9	308.6	307.9	311.4	318.3	327.4	342.0	371.8	405.9	466.5	544.3
72.5°	266.9	268.0	266.3	270.8	275.0	282.9	299.2	315.1	347.0	398.1	462.0
75°	204.4	205.7	207.1	209.9	214.1	218.3	226.6	242.6	263.4	301.7	342.7
77.5°	153.2	150.5	153.9	153.5	155.9	159.1	166.4	174.9	192.0	216.2	247.9
80°	115.4	116.1	116.1	116.8	120.3	122.3	128.6	134.8	148.0	166.1	188.4
82.5°	84.3	86.1	85.0	86.2	89.1	90.6	94.1	99.2	106.9	121.1	137.2
85°	45.8	42.4	43.8	45.2	45.2	45.8	48.7	50.7	54.9	60.5	66.7
87.5°	16.6	17.7	18.1	18.1	18.6	18.4	20.4	20.3	21.8	23.4	25.3
90°	16.1	16.1	15.3	15.3	15.3	13.9	13.3	12.6	11.9	11.1	9.7
92.5°	44.5	45.6	46.5	48.2	57.2	67.5	89.7	123.6	182.0	224.8	228.4
95°	163.8	175.0	180.6	201.5	251.0	309.6	395.3	501.3	604.5	617.8	504.1
97.5°	396.0	404.9	425.2	464.2	507.3	588.7	672.3	746.6	764.8	659.7	450.1
100°	543.9	555.0	580.8	631.0	679.1	751.6	823.4	857.6	803.9	629.6	401.6
102.5°	708.9	717.3	745.3	781.0	832.5	881.5	916.1	894.9	780.5	576.6	364.8
105°	923.8	932.2	946.1	969.1	991.5	999.2	968.5	872.9	705.6	505.5	329.1
107.5°	1037.9	1043.5	1048.0	1048.2	1036.9	1000.5	921.8	794.2	629.2	456.6	314.1
110°	1075.8	1075.8	1070.9	1057.7	1026.3	967.1	868.7	736.3	585.7	433.6	309.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1071.4	1066.3	1054.2	1031.4	985.6	915.7	816.3	690.5	553.3	420.3	309.6
115°	1029.1	1020.0	1000.5	967.1	912.7	836.7	741.2	633.1	518.0	405.8	311.7
117.5°	955.0	949.5	930.1	895.5	841.2	771.4	689.1	596.0	497.0	398.7	316.3
120°	907.0	901.5	882.7	849.2	797.6	736.3	659.6	575.9	485.3	395.3	320.7
122.5°	864.7	859.7	840.9	810.2	764.2	706.7	638.4	560.9	475.2	392.5	324.6
125°	810.8	803.9	788.5	760.0	720.9	670.7	610.1	539.0	461.5	389.1	331.2
127.5°	764.8	761.8	747.3	722.0	686.6	639.6	583.0	516.7	449.0	387.4	338.6
130°	739.8	735.6	721.7	698.7	663.8	618.4	564.1	502.7	440.7	386.3	343.0
132.5°	714.6	709.9	697.1	674.0	639.2	595.6	546.2	488.7	434.0	386.3	348.0
135°	673.5	669.3	656.7	633.7	603.1	563.4	518.7	470.6	426.0	386.3	354.9
137.5°	629.6	625.0	613.4	592.5	565.0	531.3	494.2	455.3	418.9	387.1	361.1
140°	598.9	595.4	585.0	566.9	541.0	511.8	479.7	446.9	415.5	387.6	363.9
142.5°	570.4	567.6	557.7	542.3	520.4	495.0	467.4	439.7	412.8	388.3	365.6
145°	531.3	528.5	520.8	509.0	492.2	473.4	451.8	430.2	408.6	387.6	367.5
147.5°	498.1	496.9	492.4	482.9	469.7	455.4	438.8	421.2	404.2	385.8	368.1
150°	479.7	479.0	476.2	467.9	457.4	444.8	431.6	416.3	400.9	384.1	368.1
152.5°	465.2	464.5	461.7	455.0	446.2	436.5	424.4	410.6	397.0	381.9	367.6
155°	445.5	444.8	442.7	437.8	430.9	423.2	413.5	402.3	390.5	377.9	366.0
157.5°	427.9	428.1	426.1	422.1	416.7	410.6	403.1	394.0	384.3	373.7	364.3
160°	416.3	417.0	415.5	412.1	407.2	402.3	395.3	388.3	379.3	371.0	362.6
162.5°	405.6	405.8	405.5	402.6	398.8	394.5	388.6	382.2	374.8	367.6	360.9
165°	390.5	390.5	390.5	389.1	386.3	382.8	378.6	373.7	368.1	362.6	358.4
167.5°	376.5	376.7	377.2	375.9	374.5	372.0	368.8	365.6	361.6	357.7	354.5
170°	368.1	368.8	368.8	368.1	366.8	365.3	363.3	361.1	357.7	354.9	352.8
172.5°	360.3	361.1	362.1	360.9	360.6	359.8	358.2	356.1	353.7	351.5	350.5
175°	350.7	351.4	352.8	352.1	352.1	352.1	350.7	350.7	348.6	347.9	347.9
177.5°	345.8	345.8	347.5	347.0	347.5	347.5	347.5	347.0	346.3	345.8	345.8
180°	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1685.0	1681.1	1676.6	1668.8	1659.4	1654.4	1646.5	1641.6	1631.6	1623.2	1614.4
5°	1770.4	1752.4	1735.7	1714.1	1690.5	1675.2	1657.2	1637.0	1616.1	1594.6	1570.9
7.5°	1859.0	1827.0	1792.2	1754.9	1718.3	1684.6	1652.5	1621.0	1591.5	1555.9	1525.8
10°	1918.5	1878.2	1835.1	1784.3	1735.0	1691.9	1648.1	1609.9	1570.9	1529.2	1492.4
12.5°	1978.0	1924.3	1863.4	1807.7	1748.4	1696.3	1644.8	1596.0	1547.0	1500.8	1457.9
15°	2020.0	1972.7	1916.4	1837.2	1770.4	1698.9	1630.8	1567.4	1508.4	1457.0	1402.8
17.5°	2047.6	1986.7	1926.3	1850.2	1762.8	1682.7	1605.5	1533.1	1466.5	1401.3	1349.1
20°	2052.6	1990.1	1926.8	1852.4	1762.8	1671.1	1593.8	1507.0	1435.4	1368.0	1304.0
22.5°	2051.0	1980.0	1911.3	1834.7	1747.2	1662.7	1569.4	1480.9	1403.1	1336.9	1270.1
25°	2035.2	1959.5	1873.3	1796.2	1709.9	1620.3	1525.8	1434.0	1354.8	1279.0	1213.0
27.5°	2022.2	1924.0	1826.3	1736.3	1653.1	1570.9	1480.4	1386.4	1298.6	1221.8	1159.6
30°	2006.1	1898.4	1788.5	1694.7	1609.2	1529.2	1443.8	1352.0	1260.3	1185.2	1118.5
32.5°	1991.6	1866.1	1750.2	1648.0	1557.5	1479.7	1400.9	1313.6	1223.5	1147.4	1080.6
35°	1963.7	1818.4	1685.6	1570.2	1473.6	1393.7	1327.7	1246.3	1163.6	1089.9	1026.0
37.5°	1928.2	1755.9	1613.4	1492.4	1386.4	1302.3	1240.7	1178.3	1098.9	1028.0	970.1
40°	1900.4	1711.4	1560.5	1436.8	1327.0	1239.4	1182.4	1123.3	1057.3	991.2	930.1
42.5°	1865.4	1671.3	1507.2	1373.9	1265.2	1179.9	1120.1	1069.9	1011.6	950.1	893.3
45°	1801.0	1598.7	1420.8	1277.6	1167.8	1083.7	1021.8	984.3	940.5	882.1	834.1
47.5°	1706.4	1511.5	1327.5	1179.7	1066.4	988.5	930.5	894.5	863.6	820.2	776.7
50°	1622.4	1446.5	1260.3	1113.6	1000.2	921.7	868.2	835.5	809.1	775.7	738.9
52.5°	1528.4	1364.8	1194.1	1049.1	936.8	859.4	807.0	778.3	756.3	732.4	696.1
55°	1379.1	1240.1	1081.6	944.0	840.3	764.6	718.7	693.8	675.6	657.5	635.3
57.5°	1214.6	1105.9	965.5	839.7	744.3	675.4	632.6	608.2	594.1	584.9	571.8
60°	1098.9	1005.8	884.8	770.2	677.1	615.9	574.2	555.4	543.6	535.9	526.2
62.5°	991.7	915.2	803.2	698.5	617.0	559.1	521.9	503.6	492.4	488.7	480.6
65°	833.4	774.4	681.9	595.0	525.5	476.2	444.9	427.5	420.5	416.3	417.1
67.5°	677.6	641.6	567.3	493.2	437.7	396.4	371.3	358.0	354.5	348.9	348.8
70°	582.5	555.4	492.8	428.2	378.8	346.9	324.6	310.7	307.2	304.4	303.8
72.5°	498.6	474.7	420.5	368.7	324.3	296.2	277.9	269.6	263.9	262.2	262.1
75°	374.7	361.5	318.3	277.3	246.7	227.3	214.8	207.1	203.0	202.2	203.0
77.5°	266.4	254.9	227.5	198.4	179.1	164.3	153.7	151.1	146.4	146.5	145.8
80°	200.2	192.5	175.1	152.2	136.3	123.8	118.2	113.3	111.9	109.9	111.9
82.5°	145.2	137.0	125.1	110.5	97.3	89.8	84.3	82.8	81.9	80.9	81.3
85°	71.6	72.3	65.4	54.2	48.7	44.5	41.0	41.0	40.3	39.6	40.3
87.5°	26.3	24.9	22.6	20.6	17.5	15.6	14.7	15.2	13.6	13.4	14.2
90°	9.1	7.7	7.0	5.6	4.2	2.8	1.4	0.7	1.4	2.8	4.2
92.5°	159.1	95.2	57.2	36.8	24.8	16.1	10.3	8.5	10.3	16.1	24.8
95°	311.7	158.3	83.6	52.3	36.9	29.2	23.7	23.0	23.7	29.2	36.9
97.5°	248.8	136.3	87.0	64.4	50.6	43.0	39.1	38.2	39.1	43.0	50.6
100°	225.9	135.3	94.8	73.9	60.6	53.0	50.2	48.8	50.2	53.0	60.6
102.5°	216.4	140.3	104.3	83.9	71.8	63.6	61.3	60.5	61.3	63.6	71.8
105°	212.7	150.6	119.9	100.4	89.3	82.3	78.8	78.8	78.8	82.3	89.3
107.5°	219.1	165.9	136.3	118.7	107.1	101.4	98.0	96.7	98.0	101.4	107.1
110°	225.2	177.1	148.5	130.4	119.9	113.6	110.8	109.5	110.8	113.6	119.9





TEST NUMBER: P333315-940

CATALOG NUMBER: S125DIP-S1270D810U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	233.0	187.7	160.2	142.7	132.2	125.9	123.7	122.3	123.7	125.9	132.2
115°	244.7	204.3	178.5	161.0	150.6	144.4	142.2	140.8	142.2	144.4	150.6
117.5°	258.2	221.3	196.9	180.0	168.2	161.9	159.7	157.6	159.7	161.9	168.2
120°	267.1	233.5	209.2	191.7	179.9	173.6	170.9	168.7	170.9	173.6	179.9
122.5°	277.1	245.3	220.9	203.5	190.5	184.2	182.0	180.5	182.0	184.2	190.5
125°	290.7	260.7	237.7	219.6	206.3	200.1	196.6	195.2	196.6	200.1	206.3
127.5°	303.3	275.7	253.5	235.4	221.3	213.4	208.9	206.8	208.9	213.4	221.3
130°	311.7	285.2	263.6	245.4	230.8	221.7	216.2	214.0	216.2	221.7	230.8
132.5°	318.9	294.1	272.5	254.3	239.2	229.0	222.3	219.6	222.3	229.0	239.2
135°	329.1	306.1	284.5	265.6	251.0	239.9	231.5	228.7	231.5	239.9	251.0
137.5°	336.6	314.6	294.9	275.5	261.2	250.0	242.2	240.1	242.2	250.0	261.2
140°	341.6	320.7	300.5	281.7	268.4	257.3	248.9	246.8	248.9	257.3	268.4
142.5°	344.5	324.6	305.5	287.8	275.1	263.9	256.2	254.6	256.2	263.9	275.1
145°	348.6	331.2	313.1	297.0	284.5	274.7	267.7	266.4	267.7	274.7	284.5
147.5°	351.2	335.4	319.5	305.4	294.5	285.4	279.5	278.6	279.5	285.4	294.5
150°	352.8	338.1	322.8	310.9	301.2	292.1	287.2	285.9	287.2	292.1	301.2
152.5°	353.9	340.9	326.7	316.0	306.7	298.8	294.5	293.6	294.5	298.8	306.7
155°	354.9	343.8	331.9	322.1	315.1	308.2	304.0	304.0	304.0	308.2	315.1
157.5°	355.6	346.1	335.9	328.5	322.4	316.4	313.1	313.2	313.1	316.4	322.4
160°	355.6	347.2	338.1	331.9	326.3	321.5	318.6	319.3	318.6	321.5	326.3
162.5°	355.0	348.3	340.4	335.2	330.7	326.5	323.7	324.3	323.7	326.5	330.7
165°	354.2	348.6	343.0	338.9	336.1	332.6	330.5	331.9	330.5	332.6	336.1
167.5°	352.5	348.6	344.0	341.3	339.4	337.4	336.2	336.9	336.2	337.4	339.4
170°	351.4	348.6	345.1	343.0	341.6	340.3	339.6	340.3	339.6	340.3	341.6
172.5°	350.3	348.0	345.1	344.1	343.3	341.9	341.3	342.5	341.3	341.9	343.3
175°	348.6	347.2	345.1	345.1	345.1	344.5	343.8	345.1	343.8	344.5	345.1
177.5°	347.0	346.3	345.3	345.3	345.8	345.3	345.3	346.3	345.3	345.3	345.8
180°	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8



TEST NUMBER: P333315-940

CATALOG NUMBER: S125DIP-S1270D810U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1609.3	1603.2	1598.2	1587.1	1580.9	1572.6	1565.9	1573.2	1565.4	1568.7	1563.7
5°	1559.2	1539.6	1525.8	1505.6	1488.3	1472.2	1460.4	1458.3	1452.8	1450.0	1441.6
7.5°	1498.8	1474.4	1450.5	1424.2	1401.9	1379.2	1364.8	1352.8	1344.9	1334.4	1327.4
10°	1463.2	1430.6	1402.8	1370.7	1342.9	1318.7	1299.1	1289.4	1280.4	1267.2	1262.3
12.5°	1419.2	1385.5	1351.6	1317.4	1290.7	1263.6	1246.9	1232.2	1225.9	1211.0	1209.5
15°	1366.5	1315.8	1282.5	1247.7	1210.9	1188.7	1174.7	1158.8	1151.8	1141.4	1133.7
17.5°	1303.8	1258.4	1216.7	1180.7	1149.1	1130.4	1113.1	1102.2	1090.2	1083.4	1070.9
20°	1258.1	1215.0	1173.3	1135.1	1110.8	1089.2	1075.3	1064.9	1052.4	1048.9	1036.4
22.5°	1219.8	1172.2	1132.2	1100.1	1073.5	1049.2	1034.2	1027.1	1018.5	1007.8	1005.2
25°	1157.4	1108.0	1074.0	1042.0	1018.3	996.1	985.7	976.6	968.3	960.6	957.9
27.5°	1103.4	1059.4	1018.9	990.0	969.4	949.1	940.0	929.0	922.8	916.7	909.2
30°	1065.6	1020.4	985.0	957.2	935.0	916.9	907.1	899.5	893.9	888.3	884.2
32.5°	1026.7	984.8	950.5	923.3	901.0	887.3	878.8	873.3	867.2	860.5	855.2
35°	975.3	929.3	896.0	872.4	855.0	844.5	834.8	829.9	823.0	823.0	817.4
37.5°	917.3	877.6	848.2	826.6	811.0	801.7	791.2	787.8	783.4	780.4	778.6
40°	882.8	846.0	818.1	796.6	779.9	772.2	763.9	758.4	755.5	752.1	750.7
42.5°	847.2	812.0	785.3	765.4	751.0	744.5	736.6	732.8	727.2	722.6	721.8
45°	793.1	759.0	734.8	718.7	706.2	698.6	693.8	685.4	682.6	677.1	676.4
47.5°	741.8	709.2	685.3	672.2	661.2	655.0	647.3	638.9	635.8	632.9	632.7
50°	703.5	673.6	651.3	638.8	628.4	619.4	611.7	606.1	604.0	604.0	605.5
52.5°	664.5	639.1	620.2	604.8	595.0	585.4	578.4	575.0	571.8	575.2	577.7
55°	607.5	581.8	567.9	553.3	543.6	532.4	529.0	527.6	525.5	531.1	533.9
57.5°	547.2	529.1	512.8	498.4	489.6	483.2	478.5	477.7	481.6	484.2	493.2
60°	508.8	487.9	473.4	462.3	451.8	447.6	446.3	444.9	447.6	455.3	467.1
62.5°	466.5	449.6	433.9	425.5	417.9	411.0	410.6	411.5	417.1	425.8	437.7
65°	404.6	389.9	379.5	369.8	363.6	359.4	360.8	363.6	369.8	381.7	394.8
67.5°	341.6	331.5	322.3	314.3	308.4	308.4	309.8	313.9	321.3	334.9	347.0
70°	301.0	289.9	282.2	278.7	273.8	271.1	275.3	282.2	288.5	301.0	311.4
72.5°	260.4	250.9	245.0	242.6	240.5	238.3	239.7	247.2	255.7	268.1	280.3
75°	200.2	196.7	192.5	189.8	187.7	189.0	190.5	197.4	204.4	217.6	231.5
77.5°	146.2	142.5	140.0	139.3	138.2	138.8	142.8	147.9	154.7	164.3	174.9
80°	110.5	109.1	107.7	107.0	107.0	107.7	113.3	116.8	123.1	132.1	140.4
82.5°	80.5	79.6	79.4	79.3	79.8	79.9	83.3	87.8	93.0	99.8	107.0
85°	42.4	41.0	43.1	43.8	42.4	44.5	45.8	48.7	50.7	54.2	57.7
87.5°	15.0	16.4	16.0	16.9	16.9	18.4	17.9	20.3	21.6	22.8	22.6
90°	5.6	7.0	7.7	9.1	9.7	11.1	11.9	12.6	13.3	13.9	15.3
92.5°	36.8	57.2	95.2	159.1	228.4	224.8	182.0	123.6	89.7	67.5	57.2
95°	52.3	83.6	158.3	311.7	504.1	617.8	604.5	501.3	395.3	309.6	251.0
97.5°	64.4	87.0	136.3	248.8	450.1	659.7	764.8	746.6	672.3	588.7	507.3
100°	73.9	94.8	135.3	225.9	401.6	629.6	803.9	857.6	823.4	751.6	679.1
102.5°	83.9	104.3	140.3	216.4	364.8	576.6	780.5	894.9	916.1	881.5	832.5
105°	100.4	119.9	150.6	212.7	329.1	505.5	705.6	872.9	968.5	999.2	991.5
107.5°	118.7	136.3	165.9	219.1	314.1	456.6	629.2	794.2	921.8	1000.5	1036.9
110°	130.4	148.5	177.1	225.2	309.6	433.6	585.7	736.3	868.7	967.1	1026.3



TEST NUMBER: P333315-940

CATALOG NUMBER: S125DIP-S1270D810U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	142.7	160.2	187.7	233.0	309.6	420.3	553.3	690.5	816.3	915.7	985.6
115°	161.0	178.5	204.3	244.7	311.7	405.8	518.0	633.1	741.2	836.7	912.7
117.5°	180.0	196.9	221.3	258.2	316.3	398.7	497.0	596.0	689.1	771.4	841.2
120°	191.7	209.2	233.5	267.1	320.7	395.3	485.3	575.9	659.6	736.3	797.6
122.5°	203.5	220.9	245.3	277.1	324.6	392.5	475.2	560.9	638.4	706.7	764.2
125°	219.6	237.7	260.7	290.7	331.2	389.1	461.5	539.0	610.1	670.7	720.9
127.5°	235.4	253.5	275.7	303.3	338.6	387.4	449.0	516.7	583.0	639.6	686.6
130°	245.4	263.6	285.2	311.7	343.0	386.3	440.7	502.7	564.1	618.4	663.8
132.5°	254.3	272.5	294.1	318.9	348.0	386.3	434.0	488.7	546.2	595.6	639.2
135°	265.6	284.5	306.1	329.1	354.9	386.3	426.0	470.6	518.7	563.4	603.1
137.5°	275.5	294.9	314.6	336.6	361.1	387.1	418.9	455.3	494.2	531.3	565.0
140°	281.7	300.5	320.7	341.6	363.9	387.6	415.5	446.9	479.7	511.8	541.0
142.5°	287.8	305.5	324.6	344.5	365.6	388.3	412.8	439.7	467.4	495.0	520.4
145°	297.0	313.1	331.2	348.6	367.5	387.6	408.6	430.2	451.8	473.4	492.2
147.5°	305.4	319.5	335.4	351.2	368.1	385.8	404.2	421.2	438.8	455.4	469.7
150°	310.9	322.8	338.1	352.8	368.1	384.1	400.9	416.3	431.6	444.8	457.4
152.5°	316.0	326.7	340.9	353.9	367.6	381.9	397.0	410.6	424.4	436.5	446.2
155°	322.1	331.9	343.8	354.9	366.0	377.9	390.5	402.3	413.5	423.2	430.9
157.5°	328.5	335.9	346.1	355.6	364.3	373.7	384.3	394.0	403.1	410.6	416.7
160°	331.9	338.1	347.2	355.6	362.6	371.0	379.3	388.3	395.3	402.3	407.2
162.5°	335.2	340.4	348.3	355.0	360.9	367.6	374.8	382.2	388.6	394.5	398.8
165°	338.9	343.0	348.6	354.2	358.4	362.6	368.1	373.7	378.6	382.8	386.3
167.5°	341.3	344.0	348.6	352.5	354.5	357.7	361.6	365.6	368.8	372.0	374.5
170°	343.0	345.1	348.6	351.4	352.8	354.9	357.7	361.1	363.3	365.3	366.8
172.5°	344.1	345.1	348.0	350.3	350.5	351.5	353.7	356.1	358.2	359.8	360.6
175°	345.1	345.1	347.2	348.6	347.9	347.9	348.6	350.7	350.7	352.1	352.1
177.5°	345.3	345.3	346.3	347.0	345.8	345.8	346.3	347.0	347.5	347.5	347.5
180°	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8



TEST NUMBER: P333315-940

CATALOG NUMBER: S125DIP-S1270D810U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1560.4	1564.2	1560.9	1565.4	1560.9	1564.2	1560.4	1563.7	1568.7	1565.4	1573.2
5°	1438.2	1431.9	1436.1	1433.3	1436.1	1431.9	1438.2	1441.6	1450.0	1452.8	1458.3
7.5°	1325.3	1319.3	1312.5	1309.3	1312.5	1319.3	1325.3	1327.4	1334.4	1344.9	1352.8
10°	1254.6	1247.1	1246.3	1241.4	1246.3	1247.1	1254.6	1262.3	1267.2	1280.4	1289.4
12.5°	1202.9	1195.9	1187.9	1185.9	1187.9	1195.9	1202.9	1209.5	1211.0	1225.9	1232.2
15°	1129.5	1124.0	1119.1	1123.3	1119.1	1124.0	1129.5	1133.7	1141.4	1151.8	1158.8
17.5°	1068.5	1063.9	1063.1	1057.9	1063.1	1063.9	1068.5	1070.9	1083.4	1090.2	1102.2
20°	1030.2	1026.7	1028.1	1019.0	1028.1	1026.7	1030.2	1036.4	1048.9	1052.4	1064.9
22.5°	999.6	992.7	991.9	990.2	991.9	992.7	999.6	1005.2	1007.8	1018.5	1027.1
25°	951.6	948.2	944.7	948.2	944.7	948.2	951.6	957.9	960.6	968.3	976.6
27.5°	909.7	905.6	904.6	905.0	904.6	905.6	909.7	909.2	916.7	922.8	929.0
30°	884.2	877.3	877.9	877.3	877.9	877.3	884.2	884.2	888.3	893.9	899.5
32.5°	856.4	851.7	850.7	849.4	850.7	851.7	856.4	855.2	860.5	867.2	873.3
35°	815.4	815.4	811.9	811.9	811.9	815.4	815.4	817.4	823.0	823.0	829.9
37.5°	776.9	776.1	774.1	774.4	774.1	776.1	776.9	778.6	780.4	783.4	787.8
40°	748.0	747.3	745.1	741.0	745.1	747.3	748.0	750.7	752.1	755.5	758.4
42.5°	720.1	717.7	716.8	715.4	716.8	717.7	720.1	721.8	722.6	727.2	732.8
45°	676.4	676.4	674.9	674.2	674.9	676.4	676.4	676.4	677.1	682.6	685.4
47.5°	633.8	635.1	637.7	637.3	637.7	635.1	633.8	632.7	632.9	635.8	638.9
50°	608.2	608.9	611.0	611.7	611.0	608.9	608.2	605.5	604.0	604.0	606.1
52.5°	579.9	583.9	586.6	586.1	586.6	583.9	579.9	577.7	575.2	571.8	575.0
55°	540.1	544.9	549.8	550.5	549.8	544.9	540.1	533.9	531.1	525.5	527.6
57.5°	500.8	507.6	512.7	514.3	512.7	507.6	500.8	493.2	484.2	481.6	477.7
60°	474.0	483.1	489.4	492.1	489.4	483.1	474.0	467.1	455.3	447.6	444.9
62.5°	448.4	458.6	464.8	465.5	464.8	458.6	448.4	437.7	425.8	417.1	411.5
65°	406.6	417.1	422.6	426.8	422.6	417.1	406.6	394.8	381.7	369.8	363.6
67.5°	361.6	372.0	378.2	381.5	378.2	372.0	361.6	347.0	334.9	321.3	313.9
70°	328.8	339.2	347.6	350.4	347.6	339.2	328.8	311.4	301.0	288.5	282.2
72.5°	296.5	305.9	312.5	315.8	312.5	305.9	296.5	280.3	268.1	255.7	247.2
75°	240.5	253.0	259.3	262.8	259.3	253.0	240.5	231.5	217.6	204.4	197.4
77.5°	185.5	196.9	200.6	202.4	200.6	196.9	185.5	174.9	164.3	154.7	147.9
80°	148.7	155.7	160.6	161.2	160.6	155.7	148.7	140.4	132.1	123.1	116.8
82.5°	114.3	120.1	121.6	123.4	121.6	120.1	114.3	107.0	99.8	93.0	87.8
85°	62.6	65.4	66.1	65.4	66.1	65.4	62.6	57.7	54.2	50.7	48.7
87.5°	23.6	23.1	23.2	24.3	23.2	23.1	23.6	22.6	22.8	21.6	20.3
90°	15.3	15.3	16.1	16.1	16.1	15.3	15.3	15.3	13.9	13.3	12.6
92.5°	48.2	46.5	45.6	44.5	45.6	46.5	48.2	57.2	67.5	89.7	123.6
95°	201.5	180.6	175.0	163.8	175.0	180.6	201.5	251.0	309.6	395.3	501.3
97.5°	464.2	425.2	404.9	396.0	404.9	425.2	464.2	507.3	588.7	672.3	746.6
100°	631.0	580.8	555.0	543.9	555.0	580.8	631.0	679.1	751.6	823.4	857.6
102.5°	781.0	745.3	717.3	708.9	717.3	745.3	781.0	832.5	881.5	916.1	894.9
105°	969.1	946.1	932.2	923.8	932.2	946.1	969.1	991.5	999.2	968.5	872.9
107.5°	1048.2	1048.0	1043.5	1037.9	1043.5	1048.0	1048.2	1036.9	1000.5	921.8	794.2
110°	1057.7	1070.9	1075.8	1075.8	1075.8	1070.9	1057.7	1026.3	967.1	868.7	736.3



TEST NUMBER: P333315-940

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1031.4	1054.2	1066.3	1071.4	1066.3	1054.2	1031.4	985.6	915.7	816.3	690.5
115°	967.1	1000.5	1020.0	1029.1	1020.0	1000.5	967.1	912.7	836.7	741.2	633.1
117.5°	895.5	930.1	949.5	955.0	949.5	930.1	895.5	841.2	771.4	689.1	596.0
120°	849.2	882.7	901.5	907.0	901.5	882.7	849.2	797.6	736.3	659.6	575.9
122.5°	810.2	840.9	859.7	864.7	859.7	840.9	810.2	764.2	706.7	638.4	560.9
125°	760.0	788.5	803.9	810.8	803.9	788.5	760.0	720.9	670.7	610.1	539.0
127.5°	722.0	747.3	761.8	764.8	761.8	747.3	722.0	686.6	639.6	583.0	516.7
130°	698.7	721.7	735.6	739.8	735.6	721.7	698.7	663.8	618.4	564.1	502.7
132.5°	674.0	697.1	709.9	714.6	709.9	697.1	674.0	639.2	595.6	546.2	488.7
135°	633.7	656.7	669.3	673.5	669.3	656.7	633.7	603.1	563.4	518.7	470.6
137.5°	592.5	613.4	625.0	629.6	625.0	613.4	592.5	565.0	531.3	494.2	455.3
140°	566.9	585.0	595.4	598.9	595.4	585.0	566.9	541.0	511.8	479.7	446.9
142.5°	542.3	557.7	567.6	570.4	567.6	557.7	542.3	520.4	495.0	467.4	439.7
145°	509.0	520.8	528.5	531.3	528.5	520.8	509.0	492.2	473.4	451.8	430.2
147.5°	482.9	492.4	496.9	498.1	496.9	492.4	482.9	469.7	455.4	438.8	421.2
150°	467.9	476.2	479.0	479.7	479.0	476.2	467.9	457.4	444.8	431.6	416.3
152.5°	455.0	461.7	464.5	465.2	464.5	461.7	455.0	446.2	436.5	424.4	410.6
155°	437.8	442.7	444.8	445.5	444.8	442.7	437.8	430.9	423.2	413.5	402.3
157.5°	422.1	426.1	428.1	427.9	428.1	426.1	422.1	416.7	410.6	403.1	394.0
160°	412.1	415.5	417.0	416.3	417.0	415.5	412.1	407.2	402.3	395.3	388.3
162.5°	402.6	405.5	405.8	405.6	405.8	405.5	402.6	398.8	394.5	388.6	382.2
165°	389.1	390.5	390.5	390.5	390.5	390.5	389.1	386.3	382.8	378.6	373.7
167.5°	375.9	377.2	376.7	376.5	376.7	377.2	375.9	374.5	372.0	368.8	365.6
170°	368.1	368.8	368.8	368.1	368.8	368.8	368.1	366.8	365.3	363.3	361.1
172.5°	360.9	362.1	361.1	360.3	361.1	362.1	360.9	360.6	359.8	358.2	356.1
175°	352.1	352.8	351.4	350.7	351.4	352.8	352.1	352.1	352.1	350.7	350.7
177.5°	347.0	347.5	345.8	345.8	345.8	347.5	347.0	347.5	347.5	347.5	347.0
180°	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8



TEST NUMBER: P333315-940

CATALOG NUMBER: S125DIP-S1270D810U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1565.9	1572.6	1580.9	1587.1	1598.2	1603.2	1609.3	1614.4	1623.2	1631.6	1641.6
5°	1460.4	1472.2	1488.3	1505.6	1525.8	1539.6	1559.2	1570.9	1594.6	1616.1	1637.0
7.5°	1364.8	1379.2	1401.9	1424.2	1450.5	1474.4	1498.8	1525.8	1555.9	1591.5	1621.0
10°	1299.1	1318.7	1342.9	1370.7	1402.8	1430.6	1463.2	1492.4	1529.2	1570.9	1609.9
12.5°	1246.9	1263.6	1290.7	1317.4	1351.6	1385.5	1419.2	1457.9	1500.8	1547.0	1596.0
15°	1174.7	1188.7	1210.9	1247.7	1282.5	1315.8	1366.5	1402.8	1457.0	1508.4	1567.4
17.5°	1113.1	1130.4	1149.1	1180.7	1216.7	1258.4	1303.8	1349.1	1401.3	1466.5	1533.1
20°	1075.3	1089.2	1110.8	1135.1	1173.3	1215.0	1258.1	1304.0	1368.0	1435.4	1507.0
22.5°	1034.2	1049.2	1073.5	1100.1	1132.2	1172.2	1219.8	1270.1	1336.9	1403.1	1480.9
25°	985.7	996.1	1018.3	1042.0	1074.0	1108.0	1157.4	1213.0	1279.0	1354.8	1434.0
27.5°	940.0	949.1	969.4	990.0	1018.9	1059.4	1103.4	1159.6	1221.8	1298.6	1386.4
30°	907.1	916.9	935.0	957.2	985.0	1020.4	1065.6	1118.5	1185.2	1260.3	1352.0
32.5°	878.8	887.3	901.0	923.3	950.5	984.8	1026.7	1080.6	1147.4	1223.5	1313.6
35°	834.8	844.5	855.0	872.4	896.0	929.3	975.3	1026.0	1089.9	1163.6	1246.3
37.5°	791.2	801.7	811.0	826.6	848.2	877.6	917.3	970.1	1028.0	1098.9	1178.3
40°	763.9	772.2	779.9	796.6	818.1	846.0	882.8	930.1	991.2	1057.3	1123.3
42.5°	736.6	744.5	751.0	765.4	785.3	812.0	847.2	893.3	950.1	1011.6	1069.9
45°	693.8	698.6	706.2	718.7	734.8	759.0	793.1	834.1	882.1	940.5	984.3
47.5°	647.3	655.0	661.2	672.2	685.3	709.2	741.8	776.7	820.2	863.6	894.5
50°	611.7	619.4	628.4	638.8	651.3	673.6	703.5	738.9	775.7	809.1	835.5
52.5°	578.4	585.4	595.0	604.8	620.2	639.1	664.5	696.1	732.4	756.3	778.3
55°	529.0	532.4	543.6	553.3	567.9	581.8	607.5	635.3	657.5	675.6	693.8
57.5°	478.5	483.2	489.6	498.4	512.8	529.1	547.2	571.8	584.9	594.1	608.2
60°	446.3	447.6	451.8	462.3	473.4	487.9	508.8	526.2	535.9	543.6	555.4
62.5°	410.6	411.0	417.9	425.5	433.9	449.6	466.5	480.6	488.7	492.4	503.6
65°	360.8	359.4	363.6	369.8	379.5	389.9	404.6	417.1	416.3	420.5	427.5
67.5°	309.8	308.4	308.4	314.3	322.3	331.5	341.6	348.8	348.9	354.5	358.0
70°	275.3	271.1	273.8	278.7	282.2	289.9	301.0	303.8	304.4	307.2	310.7
72.5°	239.7	238.3	240.5	242.6	245.0	250.9	260.4	262.1	262.2	263.9	269.6
75°	190.5	189.0	187.7	189.8	192.5	196.7	200.2	203.0	202.2	203.0	207.1
77.5°	142.8	138.8	138.2	139.3	140.0	142.5	146.2	145.8	146.5	146.4	151.1
80°	113.3	107.7	107.0	107.0	107.7	109.1	110.5	111.9	109.9	111.9	113.3
82.5°	83.3	79.9	79.8	79.3	79.4	79.6	80.5	81.3	80.9	81.9	82.8
85°	45.8	44.5	42.4	43.8	43.1	41.0	42.4	40.3	39.6	40.3	41.0
87.5°	17.9	18.4	16.9	16.9	16.0	16.4	15.0	14.2	13.4	13.6	15.2
90°	11.9	11.1	9.7	9.1	7.7	7.0	5.6	4.2	2.8	1.4	0.7
92.5°	182.0	224.8	228.4	159.1	95.2	57.2	36.8	24.8	16.1	10.3	8.5
95°	604.5	617.8	504.1	311.7	158.3	83.6	52.3	36.9	29.2	23.7	23.0
97.5°	764.8	659.7	450.1	248.8	136.3	87.0	64.4	50.6	43.0	39.1	38.2
100°	803.9	629.6	401.6	225.9	135.3	94.8	73.9	60.6	53.0	50.2	48.8
102.5°	780.5	576.6	364.8	216.4	140.3	104.3	83.9	71.8	63.6	61.3	60.5
105°	705.6	505.5	329.1	212.7	150.6	119.9	100.4	89.3	82.3	78.8	78.8
107.5°	629.2	456.6	314.1	219.1	165.9	136.3	118.7	107.1	101.4	98.0	96.7
110°	585.7	433.6	309.6	225.2	177.1	148.5	130.4	119.9	113.6	110.8	109.5



TEST NUMBER: P333315-940

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	553.3	420.3	309.6	233.0	187.7	160.2	142.7	132.2	125.9	123.7	122.3
115°	518.0	405.8	311.7	244.7	204.3	178.5	161.0	150.6	144.4	142.2	140.8
117.5°	497.0	398.7	316.3	258.2	221.3	196.9	180.0	168.2	161.9	159.7	157.6
120°	485.3	395.3	320.7	267.1	233.5	209.2	191.7	179.9	173.6	170.9	168.7
122.5°	475.2	392.5	324.6	277.1	245.3	220.9	203.5	190.5	184.2	182.0	180.5
125°	461.5	389.1	331.2	290.7	260.7	237.7	219.6	206.3	200.1	196.6	195.2
127.5°	449.0	387.4	338.6	303.3	275.7	253.5	235.4	221.3	213.4	208.9	206.8
130°	440.7	386.3	343.0	311.7	285.2	263.6	245.4	230.8	221.7	216.2	214.0
132.5°	434.0	386.3	348.0	318.9	294.1	272.5	254.3	239.2	229.0	222.3	219.6
135°	426.0	386.3	354.9	329.1	306.1	284.5	265.6	251.0	239.9	231.5	228.7
137.5°	418.9	387.1	361.1	336.6	314.6	294.9	275.5	261.2	250.0	242.2	240.1
140°	415.5	387.6	363.9	341.6	320.7	300.5	281.7	268.4	257.3	248.9	246.8
142.5°	412.8	388.3	365.6	344.5	324.6	305.5	287.8	275.1	263.9	256.2	254.6
145°	408.6	387.6	367.5	348.6	331.2	313.1	297.0	284.5	274.7	267.7	266.4
147.5°	404.2	385.8	368.1	351.2	335.4	319.5	305.4	294.5	285.4	279.5	278.6
150°	400.9	384.1	368.1	352.8	338.1	322.8	310.9	301.2	292.1	287.2	285.9
152.5°	397.0	381.9	367.6	353.9	340.9	326.7	316.0	306.7	298.8	294.5	293.6
155°	390.5	377.9	366.0	354.9	343.8	331.9	322.1	315.1	308.2	304.0	304.0
157.5°	384.3	373.7	364.3	355.6	346.1	335.9	328.5	322.4	316.4	313.1	313.2
160°	379.3	371.0	362.6	355.6	347.2	338.1	331.9	326.3	321.5	318.6	319.3
162.5°	374.8	367.6	360.9	355.0	348.3	340.4	335.2	330.7	326.5	323.7	324.3
165°	368.1	362.6	358.4	354.2	348.6	343.0	338.9	336.1	332.6	330.5	331.9
167.5°	361.6	357.7	354.5	352.5	348.6	344.0	341.3	339.4	337.4	336.2	336.9
170°	357.7	354.9	352.8	351.4	348.6	345.1	343.0	341.6	340.3	339.6	340.3
172.5°	353.7	351.5	350.5	350.3	348.0	345.1	344.1	343.3	341.9	341.3	342.5
175°	348.6	347.9	347.9	348.6	347.2	345.1	345.1	345.1	344.5	343.8	345.1
177.5°	346.3	345.8	345.8	347.0	346.3	345.3	345.3	345.8	345.3	345.3	346.3
180°	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8



TEST NUMBER: P333315-940

CATALOG NUMBER: S125DIP-S1270D810U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1646.5	1654.4	1659.4	1668.8	1676.6	1681.1	1685.0	1688.3	1692.2	1695.5	1705.0
5°	1657.2	1675.2	1690.5	1714.1	1735.7	1752.4	1770.4	1786.5	1799.7	1818.4	1833.0
7.5°	1652.5	1684.6	1718.3	1754.9	1792.2	1827.0	1859.0	1888.9	1916.0	1948.8	1977.5
10°	1648.1	1691.9	1735.0	1784.3	1835.1	1878.2	1918.5	1959.5	1989.4	2031.1	2066.5
12.5°	1644.8	1696.3	1748.4	1807.7	1863.4	1924.3	1978.0	2007.9	2053.3	2086.7	2128.9
15°	1630.8	1698.9	1770.4	1837.2	1916.4	1972.7	2020.0	2078.4	2120.8	2163.2	2209.0
17.5°	1605.5	1682.7	1762.8	1850.2	1926.3	1986.7	2047.6	2104.0	2154.6	2211.4	2268.5
20°	1593.8	1671.1	1762.8	1852.4	1926.8	1990.1	2052.6	2114.5	2170.2	2243.1	2309.2
22.5°	1569.4	1662.7	1747.2	1834.7	1911.3	1980.0	2051.0	2121.2	2195.1	2277.6	2360.3
25°	1525.8	1620.3	1709.9	1796.2	1873.3	1959.5	2035.2	2129.1	2223.7	2332.8	2435.6
27.5°	1480.4	1570.9	1653.1	1736.3	1826.3	1924.0	2022.2	2128.7	2252.5	2390.2	2535.3
30°	1443.8	1529.2	1609.2	1694.7	1788.5	1898.4	2006.1	2132.6	2275.8	2430.8	2603.2
32.5°	1400.9	1479.7	1557.5	1648.0	1750.2	1866.1	1991.6	2130.4	2302.5	2478.6	2656.0
35°	1327.7	1393.7	1473.6	1570.2	1685.6	1818.4	1963.7	2127.7	2325.1	2527.4	2676.8
37.5°	1240.7	1302.3	1386.4	1492.4	1613.4	1755.9	1928.2	2122.9	2332.5	2493.8	2542.0
40°	1182.4	1239.4	1327.0	1436.8	1560.5	1711.4	1900.4	2106.2	2309.2	2412.0	2372.4
42.5°	1120.1	1179.9	1265.2	1373.9	1507.2	1671.3	1865.4	2071.2	2241.3	2280.2	2143.3
45°	1021.8	1083.7	1167.8	1277.6	1420.8	1598.7	1801.0	1988.0	2086.0	2015.8	1803.8
47.5°	930.5	988.5	1066.4	1179.7	1327.5	1511.5	1706.4	1855.6	1863.3	1695.8	1469.4
50°	868.2	921.7	1000.2	1113.6	1260.3	1446.5	1622.4	1739.8	1687.0	1497.3	1279.7
52.5°	807.0	859.4	936.8	1049.1	1194.1	1364.8	1528.4	1610.9	1511.3	1316.5	1130.7
55°	718.7	764.6	840.3	944.0	1081.6	1240.1	1379.1	1407.6	1278.3	1086.5	935.6
57.5°	632.6	675.4	744.3	839.7	965.5	1105.9	1214.6	1208.5	1071.8	907.2	787.6
60°	574.2	615.9	677.1	770.2	884.8	1005.8	1098.9	1076.7	941.2	799.4	698.6
62.5°	521.9	559.1	617.0	698.5	803.2	915.2	991.7	958.9	826.1	702.0	622.4
65°	444.9	476.2	525.5	595.0	681.9	774.4	833.4	791.0	677.7	581.1	517.2
67.5°	371.3	396.4	437.7	493.2	567.3	641.6	677.6	634.9	544.3	473.8	426.4
70°	324.6	346.9	378.8	428.2	492.8	555.4	582.5	544.3	466.5	405.9	371.8
72.5°	277.9	296.2	324.3	368.7	420.5	474.7	498.6	462.0	398.1	347.0	315.1
75°	214.8	227.3	246.7	277.3	318.3	361.5	374.7	342.7	301.7	263.4	242.6
77.5°	153.7	164.3	179.1	198.4	227.5	254.9	266.4	247.9	216.2	192.0	174.9
80°	118.2	123.8	136.3	152.2	175.1	192.5	200.2	188.4	166.1	148.0	134.8
82.5°	84.3	89.8	97.3	110.5	125.1	137.0	145.2	137.2	121.1	106.9	99.2
85°	41.0	44.5	48.7	54.2	65.4	72.3	71.6	66.7	60.5	54.9	50.7
87.5°	14.7	15.6	17.5	20.6	22.6	24.9	26.3	25.3	23.4	21.8	20.3
90°	1.4	2.8	4.2	5.6	7.0	7.7	9.1	9.7	11.1	11.9	12.6
92.5°	10.3	16.1	24.8	36.8	57.2	95.2	159.1	228.4	224.8	182.0	123.6
95°	23.7	29.2	36.9	52.3	83.6	158.3	311.7	504.1	617.8	604.5	501.3
97.5°	39.1	43.0	50.6	64.4	87.0	136.3	248.8	450.1	659.7	764.8	746.6
100°	50.2	53.0	60.6	73.9	94.8	135.3	225.9	401.6	629.6	803.9	857.6
102.5°	61.3	63.6	71.8	83.9	104.3	140.3	216.4	364.8	576.6	780.5	894.9
105°	78.8	82.3	89.3	100.4	119.9	150.6	212.7	329.1	505.5	705.6	872.9
107.5°	98.0	101.4	107.1	118.7	136.3	165.9	219.1	314.1	456.6	629.2	794.2
110°	110.8	113.6	119.9	130.4	148.5	177.1	225.2	309.6	433.6	585.7	736.3





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	123.7	125.9	132.2	142.7	160.2	187.7	233.0	309.6	420.3	553.3	690.5
115°	142.2	144.4	150.6	161.0	178.5	204.3	244.7	311.7	405.8	518.0	633.1
117.5°	159.7	161.9	168.2	180.0	196.9	221.3	258.2	316.3	398.7	497.0	596.0
120°	170.9	173.6	179.9	191.7	209.2	233.5	267.1	320.7	395.3	485.3	575.9
122.5°	182.0	184.2	190.5	203.5	220.9	245.3	277.1	324.6	392.5	475.2	560.9
125°	196.6	200.1	206.3	219.6	237.7	260.7	290.7	331.2	389.1	461.5	539.0
127.5°	208.9	213.4	221.3	235.4	253.5	275.7	303.3	338.6	387.4	449.0	516.7
130°	216.2	221.7	230.8	245.4	263.6	285.2	311.7	343.0	386.3	440.7	502.7
132.5°	222.3	229.0	239.2	254.3	272.5	294.1	318.9	348.0	386.3	434.0	488.7
135°	231.5	239.9	251.0	265.6	284.5	306.1	329.1	354.9	386.3	426.0	470.6
137.5°	242.2	250.0	261.2	275.5	294.9	314.6	336.6	361.1	387.1	418.9	455.3
140°	248.9	257.3	268.4	281.7	300.5	320.7	341.6	363.9	387.6	415.5	446.9
142.5°	256.2	263.9	275.1	287.8	305.5	324.6	344.5	365.6	388.3	412.8	439.7
145°	267.7	274.7	284.5	297.0	313.1	331.2	348.6	367.5	387.6	408.6	430.2
147.5°	279.5	285.4	294.5	305.4	319.5	335.4	351.2	368.1	385.8	404.2	421.2
150°	287.2	292.1	301.2	310.9	322.8	338.1	352.8	368.1	384.1	400.9	416.3
152.5°	294.5	298.8	306.7	316.0	326.7	340.9	353.9	367.6	381.9	397.0	410.6
155°	304.0	308.2	315.1	322.1	331.9	343.8	354.9	366.0	377.9	390.5	402.3
157.5°	313.1	316.4	322.4	328.5	335.9	346.1	355.6	364.3	373.7	384.3	394.0
160°	318.6	321.5	326.3	331.9	338.1	347.2	355.6	362.6	371.0	379.3	388.3
162.5°	323.7	326.5	330.7	335.2	340.4	348.3	355.0	360.9	367.6	374.8	382.2
165°	330.5	332.6	336.1	338.9	343.0	348.6	354.2	358.4	362.6	368.1	373.7
167.5°	336.2	337.4	339.4	341.3	344.0	348.6	352.5	354.5	357.7	361.6	365.6
170°	339.6	340.3	341.6	343.0	345.1	348.6	351.4	352.8	354.9	357.7	361.1
172.5°	341.3	341.9	343.3	344.1	345.1	348.0	350.3	350.5	351.5	353.7	356.1
175°	343.8	344.5	345.1	345.1	345.1	347.2	348.6	347.9	347.9	348.6	350.7
177.5°	345.3	345.3	345.8	345.3	345.3	346.3	347.0	345.8	345.8	346.3	347.0
180°	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1712.7	1717.2	1726.6	1723.3	1727.8	1730.0	1732.2
5°	1851.1	1873.3	1883.0	1881.7	1896.2	1892.7	1889.3
7.5°	2007.3	2030.7	2043.8	2060.0	2069.5	2070.2	2078.4
10°	2095.8	2126.4	2138.9	2156.2	2167.4	2173.6	2172.9
12.5°	2163.6	2187.5	2215.5	2224.1	2239.1	2247.0	2244.1
15°	2245.2	2283.4	2312.7	2327.2	2346.0	2351.5	2359.2
17.5°	2318.1	2369.4	2403.4	2448.7	2465.8	2476.3	2470.1
20°	2373.1	2440.5	2474.6	2528.8	2558.7	2574.7	2569.1
22.5°	2438.2	2511.1	2574.1	2621.1	2666.6	2688.2	2692.6
25°	2549.7	2649.7	2742.2	2804.1	2860.3	2873.5	2902.8
27.5°	2674.2	2792.2	2891.1	2956.2	2995.3	3010.1	3019.2
30°	2752.6	2870.1	2944.5	2986.2	2998.7	2997.3	2995.9
32.5°	2791.0	2864.5	2878.9	2867.2	2838.6	2814.3	2789.1
35°	2736.7	2681.7	2599.7	2494.0	2416.2	2337.6	2330.0
37.5°	2461.2	2285.6	2149.1	1996.6	1908.6	1854.3	1816.8
40°	2202.1	2002.6	1837.2	1708.6	1618.9	1583.5	1548.7
42.5°	1920.7	1730.1	1583.6	1476.1	1408.7	1369.4	1341.8
45°	1560.5	1392.3	1277.6	1199.8	1146.2	1115.6	1098.2
47.5°	1278.7	1154.3	1056.9	1000.7	963.7	940.0	940.0
50°	1127.5	1008.6	944.0	899.5	867.5	848.7	852.2
52.5°	993.5	904.6	849.4	812.2	788.5	776.9	776.6
55°	830.6	766.7	730.6	703.5	687.4	674.2	677.1
57.5°	710.5	656.6	632.4	609.9	598.8	593.5	585.9
60°	636.1	594.3	573.5	555.4	544.3	540.1	532.4
62.5°	569.9	537.1	516.7	502.0	492.0	490.6	484.6
65°	478.9	453.9	435.9	428.9	418.5	415.7	415.7
67.5°	394.8	376.9	362.8	356.4	351.9	352.6	349.2
70°	342.0	327.4	318.3	311.4	307.9	308.6	305.9
72.5°	299.2	282.9	275.0	270.8	266.3	268.0	266.9
75°	226.6	218.3	214.1	209.9	207.1	205.7	204.4
77.5°	166.4	159.1	155.9	153.5	153.9	150.5	153.2
80°	128.6	122.3	120.3	116.8	116.1	116.1	115.4
82.5°	94.1	90.6	89.1	86.2	85.0	86.1	84.3
85°	48.7	45.8	45.2	45.2	43.8	42.4	45.8
87.5°	20.4	18.4	18.6	18.1	18.1	17.7	16.6
90°	13.3	13.9	15.3	15.3	15.3	16.1	16.1
92.5°	89.7	67.5	57.2	48.2	46.5	45.6	44.5
95°	395.3	309.6	251.0	201.5	180.6	175.0	163.8
97.5°	672.3	588.7	507.3	464.2	425.2	404.9	396.0
100°	823.4	751.6	679.1	631.0	580.8	555.0	543.9
102.5°	916.1	881.5	832.5	781.0	745.3	717.3	708.9
105°	968.5	999.2	991.5	969.1	946.1	932.2	923.8
107.5°	921.8	1000.5	1036.9	1048.2	1048.0	1043.5	1037.9
110°	868.7	967.1	1026.3	1057.7	1070.9	1075.8	1075.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	816.3	915.7	985.6	1031.4	1054.2	1066.3	1071.4
115°	741.2	836.7	912.7	967.1	1000.5	1020.0	1029.1
117.5°	689.1	771.4	841.2	895.5	930.1	949.5	955.0
120°	659.6	736.3	797.6	849.2	882.7	901.5	907.0
122.5°	638.4	706.7	764.2	810.2	840.9	859.7	864.7
125°	610.1	670.7	720.9	760.0	788.5	803.9	810.8
127.5°	583.0	639.6	686.6	722.0	747.3	761.8	764.8
130°	564.1	618.4	663.8	698.7	721.7	735.6	739.8
132.5°	546.2	595.6	639.2	674.0	697.1	709.9	714.6
135°	518.7	563.4	603.1	633.7	656.7	669.3	673.5
137.5°	494.2	531.3	565.0	592.5	613.4	625.0	629.6
140°	479.7	511.8	541.0	566.9	585.0	595.4	598.9
142.5°	467.4	495.0	520.4	542.3	557.7	567.6	570.4
145°	451.8	473.4	492.2	509.0	520.8	528.5	531.3
147.5°	438.8	455.4	469.7	482.9	492.4	496.9	498.1
150°	431.6	444.8	457.4	467.9	476.2	479.0	479.7
152.5°	424.4	436.5	446.2	455.0	461.7	464.5	465.2
155°	413.5	423.2	430.9	437.8	442.7	444.8	445.5
157.5°	403.1	410.6	416.7	422.1	426.1	428.1	427.9
160°	395.3	402.3	407.2	412.1	415.5	417.0	416.3
162.5°	388.6	394.5	398.8	402.6	405.5	405.8	405.6
165°	378.6	382.8	386.3	389.1	390.5	390.5	390.5
167.5°	368.8	372.0	374.5	375.9	377.2	376.7	376.5
170°	363.3	365.3	366.8	368.1	368.8	368.8	368.1
172.5°	358.2	359.8	360.6	360.9	362.1	361.1	360.3
175°	350.7	352.1	352.1	352.1	352.8	351.4	350.7
177.5°	347.5	347.5	347.5	347.0	347.5	345.8	345.8
180°	345.8	345.8	345.8	345.8	345.8	345.8	345.8

(END OF REPORT)