

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: P333306-930

Luminaire Tested: **S125DIP-S1270D590U930-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333306-930
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-S1270D590U930-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 590 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5956.4 lumens
Efficiency: N/A
Efficacy: 108.1 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

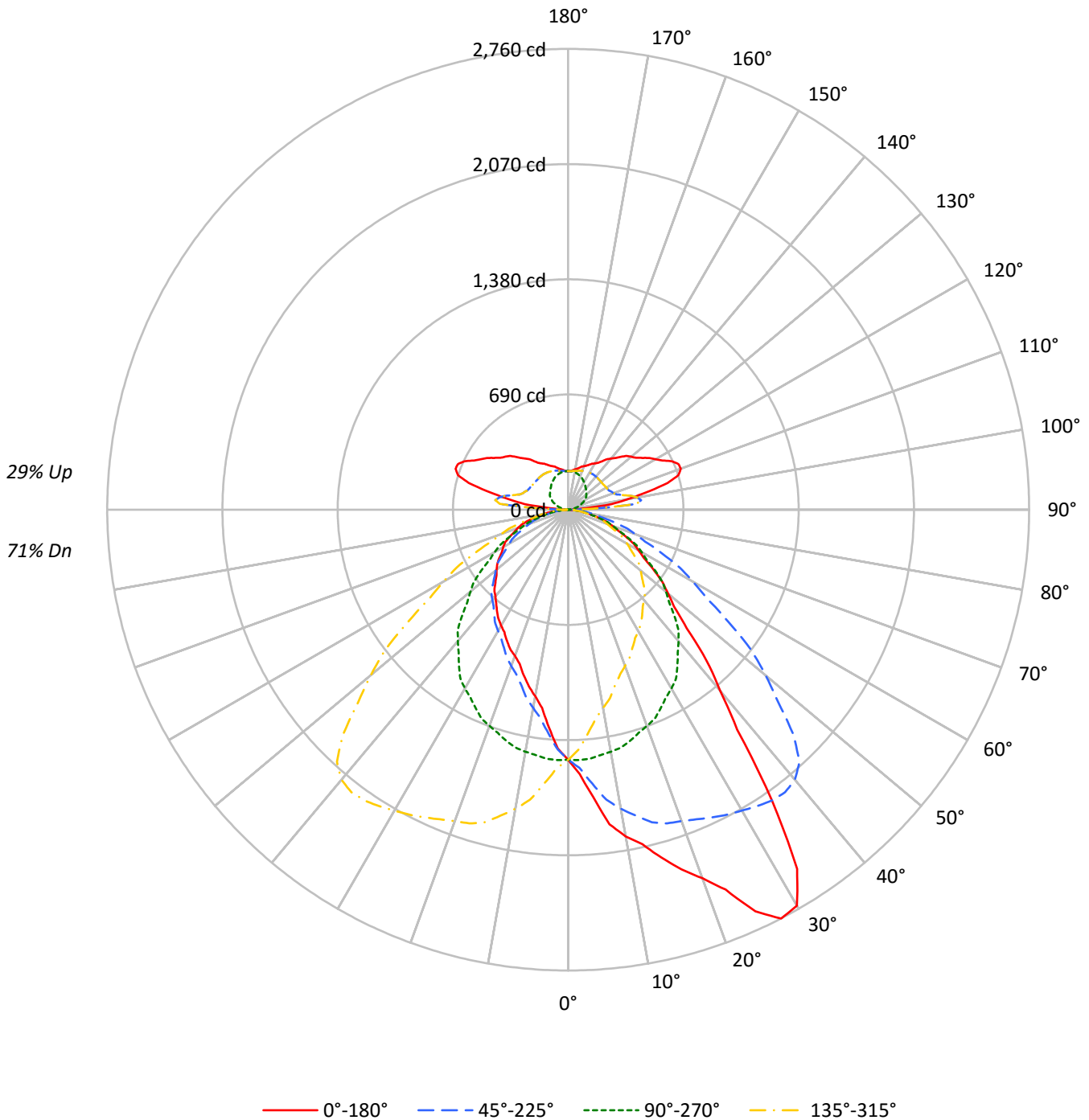
Input Watts (W): 55.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	112	112	112	106	106	106	106	95	95	95	85	85	85	75	75	75	71
1	103	98	95	91	97	93	90	87	84	81	79	75	73	71	67	66	64	60
2	94	86	80	75	89	82	77	72	74	70	66	66	63	60	59	57	55	51
3	86	76	69	63	81	72	66	60	65	60	56	59	55	51	53	50	47	44
4	79	68	60	53	74	64	57	52	58	52	48	53	48	44	47	44	41	38
5	72	61	52	46	68	58	50	44	52	46	41	47	42	38	43	39	35	33
6	67	54	46	40	63	52	44	39	47	41	36	43	38	34	39	35	31	29
7	62	49	41	35	58	47	40	34	43	37	32	39	34	30	36	31	28	26
8	58	45	37	31	54	43	36	31	39	33	29	36	31	27	33	28	25	23
9	54	41	33	28	51	39	32	27	36	30	26	33	28	24	30	26	23	21
10	50	38	30	25	48	36	29	25	33	27	23	31	25	22	28	24	21	19

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	2.4
10°-20°	429.2	7.2
20°-30°	696.9	11.7
30°-40°	850.1	14.3
40°-50°	773.3	13.0
50°-60°	616.0	10.3
60°-70°	429.0	7.2
70°-80°	228.8	3.8
80°-90°	59.0	1.0
90°-100°	167.2	2.8
100°-110°	359.4	6.0
110°-120°	337.3	5.7
120°-130°	273.4	4.6
130°-140°	219.4	3.7
140°-150°	165.6	2.8
150°-160°	116.5	2.0
160°-170°	68.7	1.2
170°-180°	22.3	0.4
0°-30°	1270.2	21.3
0°-40°	2120.3	35.6
0°-60°	3509.7	58.9
0°-90°	4226.5	71.0
90°-120°	864.0	14.5
90°-150°	1522.3	25.6
90°-180°	1730.0	29.0
0°-180°	5956.4	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°	11	0	11	0	11	9
95°	109	15	109	15	109	155
105°	616	53	616	53	616	613
115°	686	94	686	94	686	671
125°	541	130	541	130	541	489
135°	449	152	449	152	449	348
145°	354	178	354	178	354	225
155°	297	203	297	203	297	139
165°	260	221	260	221	260	74
175°	234	230	234	230	234	23
180°	231	231	231	231	231	



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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°	14.3	15.3	15.7	15.7	16.3	16.1	18.0	17.9	19.4	20.8	22.7
90°	10.7	10.7	10.2	10.2	10.2	9.3	8.8	8.4	7.9	7.4	6.5
92.5°	29.7	30.4	31.1	32.2	38.2	45.0	59.8	82.4	121.4	149.9	152.4
95°	109.3	116.8	120.4	134.4	167.5	206.5	263.7	334.4	403.2	412.1	336.2
97.5°	264.2	270.1	283.6	309.7	338.3	392.7	448.4	498.0	510.2	440.0	300.3
100°	362.7	370.2	387.4	420.9	453.0	501.3	549.3	572.0	536.2	420.0	267.9
102.5°	472.9	478.5	497.2	521.0	555.3	588.0	611.0	597.0	520.6	384.6	243.3
105°	616.2	621.8	631.1	646.5	661.3	666.4	646.0	582.3	470.7	337.2	219.5
107.5°	692.3	696.0	699.1	699.2	691.6	667.4	614.8	529.8	419.7	304.5	209.5
110°	717.6	717.6	714.4	705.5	684.6	645.1	579.5	491.1	390.7	289.3	206.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	714.6	711.3	703.2	688.0	657.5	610.8	544.5	460.6	369.1	280.4	206.5
115°	686.5	680.4	667.4	645.1	608.8	558.1	494.4	422.2	345.5	270.7	207.9
117.5°	637.1	633.3	620.4	597.4	561.1	514.5	459.7	397.5	331.5	266.0	210.9
120°	605.0	601.4	588.8	566.5	532.1	491.1	439.9	384.2	323.7	263.7	213.9
122.5°	576.7	573.4	560.8	540.4	509.7	471.4	425.8	374.1	317.0	261.9	216.5
125°	540.9	536.2	526.0	507.0	480.9	447.4	406.9	359.5	307.9	259.5	220.9
127.5°	510.2	508.1	498.5	481.6	458.0	426.6	388.9	344.6	299.5	258.4	225.8
130°	493.4	490.6	481.4	466.0	442.7	412.5	376.3	335.3	293.9	257.6	228.9
132.5°	476.7	473.5	465.0	449.6	426.4	397.3	364.4	326.0	289.4	257.6	232.2
135°	449.2	446.5	438.1	422.7	402.3	375.8	346.0	313.9	284.1	257.6	236.7
137.5°	420.0	416.9	409.2	395.2	376.9	354.4	329.6	303.7	279.4	258.2	240.9
140°	399.5	397.1	390.2	378.1	360.9	341.4	320.0	298.1	277.2	258.6	242.8
142.5°	380.5	378.5	371.9	361.7	347.2	330.2	311.8	293.3	275.3	258.9	243.9
145°	354.4	352.5	347.4	339.5	328.3	315.8	301.3	287.0	272.6	258.6	245.1
147.5°	332.2	331.4	328.4	322.1	313.2	303.8	292.7	281.0	269.6	257.4	245.6
150°	320.0	319.5	317.6	312.1	305.1	296.7	287.9	277.6	267.4	256.2	245.6
152.5°	310.3	309.8	307.9	303.5	297.7	291.1	283.1	273.9	264.8	254.8	245.2
155°	297.2	296.7	295.3	292.0	287.4	282.3	275.8	268.3	260.4	252.1	244.2
157.5°	285.4	285.5	284.2	281.5	277.9	273.9	268.9	262.8	256.3	249.2	243.0
160°	277.6	278.1	277.2	274.8	271.6	268.3	263.7	259.0	253.0	247.4	241.8
162.5°	270.6	270.7	270.5	268.6	266.0	263.1	259.3	254.9	250.1	245.2	240.8
165°	260.4	260.4	260.4	259.5	257.6	255.4	252.5	249.2	245.6	241.8	239.0
167.5°	251.1	251.2	251.6	250.8	249.8	248.2	246.1	243.9	241.2	238.6	236.4
170°	245.6	246.1	246.1	245.6	244.6	243.7	242.3	240.9	238.6	236.7	235.3
172.5°	240.4	240.8	241.6	240.8	240.5	239.9	239.0	237.6	235.9	234.5	233.8
175°	233.9	234.4	235.3	234.9	234.9	234.9	233.9	233.9	232.5	232.0	232.0
177.5°	230.6	230.6	231.8	231.4	231.8	231.8	231.8	231.4	231.1	230.6	230.6
180°	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6



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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°	23.6	22.3	20.2	18.5	15.8	14.1	13.4	13.9	12.4	12.1	12.8
90°	6.0	5.1	4.6	3.8	2.8	1.9	0.9	0.5	0.9	1.9	2.8
92.5°	106.2	63.5	38.2	24.5	16.6	10.8	6.8	5.7	6.8	10.8	16.6
95°	207.9	105.6	55.8	34.9	24.6	19.6	15.8	15.3	15.8	19.6	24.6
97.5°	165.9	91.0	58.0	43.0	33.8	28.6	26.0	25.5	26.0	28.6	33.8
100°	150.7	90.3	63.3	49.3	40.4	35.4	33.5	32.5	33.5	35.4	40.4
102.5°	144.4	93.6	69.5	56.0	47.9	42.4	40.9	40.4	40.9	42.4	47.9
105°	141.9	100.4	80.0	66.9	59.5	54.9	52.6	52.6	52.6	54.9	59.5
107.5°	146.1	110.7	90.9	79.2	71.4	67.6	65.4	64.5	65.4	67.6	71.4
110°	150.2	118.1	99.1	87.0	80.0	75.8	73.9	73.1	73.9	75.8	80.0



TEST NUMBER: P333306-930

CATALOG NUMBER: S125DIP-S1270D590U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	155.4	125.2	106.9	95.1	88.2	84.0	82.5	81.6	82.5	84.0	88.2
115°	163.2	136.2	119.0	107.5	100.4	96.3	94.9	93.9	94.9	96.3	100.4
117.5°	172.2	147.7	131.3	120.1	112.2	108.0	106.5	105.1	106.5	108.0	112.2
120°	178.1	155.8	139.5	127.9	120.0	115.8	114.0	112.5	114.0	115.8	120.0
122.5°	184.8	163.6	147.3	135.7	127.0	122.9	121.4	120.3	121.4	122.9	127.0
125°	194.0	173.9	158.6	146.5	137.6	133.5	131.2	130.2	131.2	133.5	137.6
127.5°	202.3	183.8	169.1	157.0	147.7	142.4	139.3	137.9	139.3	142.4	147.7
130°	207.9	190.2	175.8	163.7	153.9	147.9	144.1	142.8	144.1	147.9	153.9
132.5°	212.7	196.2	181.7	169.7	159.6	152.7	148.3	146.5	148.3	152.7	159.6
135°	219.5	204.2	189.7	177.2	167.5	160.0	154.4	152.5	154.4	160.0	167.5
137.5°	224.5	209.9	196.7	183.8	174.2	166.8	161.6	160.2	161.6	166.8	174.2
140°	227.9	213.9	200.5	187.9	179.0	171.6	166.0	164.6	166.0	171.6	179.0
142.5°	229.8	216.5	203.8	192.0	183.5	176.1	170.9	169.8	170.9	176.1	183.5
145°	232.5	220.9	208.8	198.1	189.7	183.2	178.6	177.7	178.6	183.2	189.7
147.5°	234.2	223.7	213.1	203.7	196.4	190.4	186.4	185.8	186.4	190.4	196.4
150°	235.3	225.6	215.3	207.4	200.9	194.9	191.6	190.7	191.6	194.9	200.9
152.5°	236.0	227.4	217.9	210.8	204.6	199.3	196.4	195.9	196.4	199.3	204.6
155°	236.7	229.3	221.4	214.8	210.2	205.5	202.8	202.8	202.8	205.5	210.2
157.5°	237.2	230.9	224.0	219.2	215.1	211.1	208.8	208.9	208.8	211.1	215.1
160°	237.2	231.6	225.6	221.4	217.7	214.4	212.5	213.0	212.5	214.4	217.7
162.5°	236.8	232.4	227.1	223.6	220.6	217.8	215.9	216.4	215.9	217.8	220.6
165°	236.3	232.5	228.9	226.0	224.1	221.8	220.5	221.4	220.5	221.8	224.1
167.5°	235.1	232.5	229.4	227.7	226.4	225.1	224.3	224.7	224.3	225.1	226.4
170°	234.4	232.5	230.2	228.9	227.9	227.0	226.5	227.0	226.5	227.0	227.9
172.5°	233.7	232.2	230.2	229.6	229.0	228.0	227.6	228.4	227.6	228.0	229.0
175°	232.5	231.6	230.2	230.2	230.2	229.8	229.3	230.2	229.3	229.8	230.2
177.5°	231.4	231.1	230.3	230.3	230.6	230.3	230.3	231.1	230.3	230.3	230.6
180°	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6



TEST NUMBER: P333306-930

CATALOG NUMBER: S125DIP-S1270D590U930-4F0-1E-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°	13.5	14.7	14.3	14.9	15.0	16.2	15.8	17.9	19.1	20.1	19.8
90°	3.8	4.6	5.1	6.0	6.5	7.4	7.9	8.4	8.8	9.3	10.2
92.5°	24.5	38.2	63.5	106.2	152.4	149.9	121.4	82.4	59.8	45.0	38.2
95°	34.9	55.8	105.6	207.9	336.2	412.1	403.2	334.4	263.7	206.5	167.5
97.5°	43.0	58.0	91.0	165.9	300.3	440.0	510.2	498.0	448.4	392.7	338.3
100°	49.3	63.3	90.3	150.7	267.9	420.0	536.2	572.0	549.3	501.3	453.0
102.5°	56.0	69.5	93.6	144.4	243.3	384.6	520.6	597.0	611.0	588.0	555.3
105°	66.9	80.0	100.4	141.9	219.5	337.2	470.7	582.3	646.0	666.4	661.3
107.5°	79.2	90.9	110.7	146.1	209.5	304.5	419.7	529.8	614.8	667.4	691.6
110°	87.0	99.1	118.1	150.2	206.5	289.3	390.7	491.1	579.5	645.1	684.6



TEST NUMBER: P333306-930

CATALOG NUMBER: S125DIP-S1270D590U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	95.1	106.9	125.2	155.4	206.5	280.4	369.1	460.6	544.5	610.8	657.5
115°	107.5	119.0	136.2	163.2	207.9	270.7	345.5	422.2	494.4	558.1	608.8
117.5°	120.1	131.3	147.7	172.2	210.9	266.0	331.5	397.5	459.7	514.5	561.1
120°	127.9	139.5	155.8	178.1	213.9	263.7	323.7	384.2	439.9	491.1	532.1
122.5°	135.7	147.3	163.6	184.8	216.5	261.9	317.0	374.1	425.8	471.4	509.7
125°	146.5	158.6	173.9	194.0	220.9	259.5	307.9	359.5	406.9	447.4	480.9
127.5°	157.0	169.1	183.8	202.3	225.8	258.4	299.5	344.6	388.9	426.6	458.0
130°	163.7	175.8	190.2	207.9	228.9	257.6	293.9	335.3	376.3	412.5	442.7
132.5°	169.7	181.7	196.2	212.7	232.2	257.6	289.4	326.0	364.4	397.3	426.4
135°	177.2	189.7	204.2	219.5	236.7	257.6	284.1	313.9	346.0	375.8	402.3
137.5°	183.8	196.7	209.9	224.5	240.9	258.2	279.4	303.7	329.6	354.4	376.9
140°	187.9	200.5	213.9	227.9	242.8	258.6	277.2	298.1	320.0	341.4	360.9
142.5°	192.0	203.8	216.5	229.8	243.9	258.9	275.3	293.3	311.8	330.2	347.2
145°	198.1	208.8	220.9	232.5	245.1	258.6	272.6	287.0	301.3	315.8	328.3
147.5°	203.7	213.1	223.7	234.2	245.6	257.4	269.6	281.0	292.7	303.8	313.2
150°	207.4	215.3	225.6	235.3	245.6	256.2	267.4	277.6	287.9	296.7	305.1
152.5°	210.8	217.9	227.4	236.0	245.2	254.8	264.8	273.9	283.1	291.1	297.7
155°	214.8	221.4	229.3	236.7	244.2	252.1	260.4	268.3	275.8	282.3	287.4
157.5°	219.2	224.0	230.9	237.2	243.0	249.2	256.3	262.8	268.9	273.9	277.9
160°	221.4	225.6	231.6	237.2	241.8	247.4	253.0	259.0	263.7	268.3	271.6
162.5°	223.6	227.1	232.4	236.8	240.8	245.2	250.1	254.9	259.3	263.1	266.0
165°	226.0	228.9	232.5	236.3	239.0	241.8	245.6	249.2	252.5	255.4	257.6
167.5°	227.7	229.4	232.5	235.1	236.4	238.6	241.2	243.9	246.1	248.2	249.8
170°	228.9	230.2	232.5	234.4	235.3	236.7	238.6	240.9	242.3	243.7	244.6
172.5°	229.6	230.2	232.2	233.7	233.8	234.5	235.9	237.6	239.0	239.9	240.5
175°	230.2	230.2	231.6	232.5	232.0	232.0	232.5	233.9	233.9	234.9	234.9
177.5°	230.3	230.3	231.1	231.4	230.6	230.6	231.1	231.4	231.8	231.8	231.8
180°	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6



TEST NUMBER: P333306-930

CATALOG NUMBER: S125DIP-S1270D590U930-4F0-1E-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°	20.9	20.4	20.5	21.4	20.5	20.4	20.9	19.8	20.1	19.1	17.9
90°	10.2	10.2	10.7	10.7	10.7	10.2	10.2	10.2	9.3	8.8	8.4
92.5°	32.2	31.1	30.4	29.7	30.4	31.1	32.2	38.2	45.0	59.8	82.4
95°	134.4	120.4	116.8	109.3	116.8	120.4	134.4	167.5	206.5	263.7	334.4
97.5°	309.7	283.6	270.1	264.2	270.1	283.6	309.7	338.3	392.7	448.4	498.0
100°	420.9	387.4	370.2	362.7	370.2	387.4	420.9	453.0	501.3	549.3	572.0
102.5°	521.0	497.2	478.5	472.9	478.5	497.2	521.0	555.3	588.0	611.0	597.0
105°	646.5	631.1	621.8	616.2	621.8	631.1	646.5	661.3	666.4	646.0	582.3
107.5°	699.2	699.1	696.0	692.3	696.0	699.1	699.2	691.6	667.4	614.8	529.8
110°	705.5	714.4	717.6	717.6	717.6	714.4	705.5	684.6	645.1	579.5	491.1



TEST NUMBER: P333306-930

CATALOG NUMBER: S125DIP-S1270D590U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	688.0	703.2	711.3	714.6	711.3	703.2	688.0	657.5	610.8	544.5	460.6
115°	645.1	667.4	680.4	686.5	680.4	667.4	645.1	608.8	558.1	494.4	422.2
117.5°	597.4	620.4	633.3	637.1	633.3	620.4	597.4	561.1	514.5	459.7	397.5
120°	566.5	588.8	601.4	605.0	601.4	588.8	566.5	532.1	491.1	439.9	384.2
122.5°	540.4	560.8	573.4	576.7	573.4	560.8	540.4	509.7	471.4	425.8	374.1
125°	507.0	526.0	536.2	540.9	536.2	526.0	507.0	480.9	447.4	406.9	359.5
127.5°	481.6	498.5	508.1	510.2	508.1	498.5	481.6	458.0	426.6	388.9	344.6
130°	466.0	481.4	490.6	493.4	490.6	481.4	466.0	442.7	412.5	376.3	335.3
132.5°	449.6	465.0	473.5	476.7	473.5	465.0	449.6	426.4	397.3	364.4	326.0
135°	422.7	438.1	446.5	449.2	446.5	438.1	422.7	402.3	375.8	346.0	313.9
137.5°	395.2	409.2	416.9	420.0	416.9	409.2	395.2	376.9	354.4	329.6	303.7
140°	378.1	390.2	397.1	399.5	397.1	390.2	378.1	360.9	341.4	320.0	298.1
142.5°	361.7	371.9	378.5	380.5	378.5	371.9	361.7	347.2	330.2	311.8	293.3
145°	339.5	347.4	352.5	354.4	352.5	347.4	339.5	328.3	315.8	301.3	287.0
147.5°	322.1	328.4	331.4	332.2	331.4	328.4	322.1	313.2	303.8	292.7	281.0
150°	312.1	317.6	319.5	320.0	319.5	317.6	312.1	305.1	296.7	287.9	277.6
152.5°	303.5	307.9	309.8	310.3	309.8	307.9	303.5	297.7	291.1	283.1	273.9
155°	292.0	295.3	296.7	297.2	296.7	295.3	292.0	287.4	282.3	275.8	268.3
157.5°	281.5	284.2	285.5	285.4	285.5	284.2	281.5	277.9	273.9	268.9	262.8
160°	274.8	277.2	278.1	277.6	278.1	277.2	274.8	271.6	268.3	263.7	259.0
162.5°	268.6	270.5	270.7	270.6	270.7	270.5	268.6	266.0	263.1	259.3	254.9
165°	259.5	260.4	260.4	260.4	260.4	260.4	259.5	257.6	255.4	252.5	249.2
167.5°	250.8	251.6	251.2	251.1	251.2	251.6	250.8	249.8	248.2	246.1	243.9
170°	245.6	246.1	246.1	245.6	246.1	246.1	245.6	244.6	243.7	242.3	240.9
172.5°	240.8	241.6	240.8	240.4	240.8	241.6	240.8	240.5	239.9	239.0	237.6
175°	234.9	235.3	234.4	233.9	234.4	235.3	234.9	234.9	234.9	233.9	233.9
177.5°	231.4	231.8	230.6	230.6	230.6	231.8	231.4	231.8	231.8	231.8	231.4
180°	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6



TEST NUMBER: P333306-930

CATALOG NUMBER: S125DIP-S1270D590U930-4F0-1E-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°	15.8	16.2	15.0	14.9	14.3	14.7	13.5	12.8	12.1	12.4	13.9
90°	7.9	7.4	6.5	6.0	5.1	4.6	3.8	2.8	1.9	0.9	0.5
92.5°	121.4	149.9	152.4	106.2	63.5	38.2	24.5	16.6	10.8	6.8	5.7
95°	403.2	412.1	336.2	207.9	105.6	55.8	34.9	24.6	19.6	15.8	15.3
97.5°	510.2	440.0	300.3	165.9	91.0	58.0	43.0	33.8	28.6	26.0	25.5
100°	536.2	420.0	267.9	150.7	90.3	63.3	49.3	40.4	35.4	33.5	32.5
102.5°	520.6	384.6	243.3	144.4	93.6	69.5	56.0	47.9	42.4	40.9	40.4
105°	470.7	337.2	219.5	141.9	100.4	80.0	66.9	59.5	54.9	52.6	52.6
107.5°	419.7	304.5	209.5	146.1	110.7	90.9	79.2	71.4	67.6	65.4	64.5
110°	390.7	289.3	206.5	150.2	118.1	99.1	87.0	80.0	75.8	73.9	73.1



TEST NUMBER: P333306-930

CATALOG NUMBER: S125DIP-S1270D590U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	369.1	280.4	206.5	155.4	125.2	106.9	95.1	88.2	84.0	82.5	81.6
115°	345.5	270.7	207.9	163.2	136.2	119.0	107.5	100.4	96.3	94.9	93.9
117.5°	331.5	266.0	210.9	172.2	147.7	131.3	120.1	112.2	108.0	106.5	105.1
120°	323.7	263.7	213.9	178.1	155.8	139.5	127.9	120.0	115.8	114.0	112.5
122.5°	317.0	261.9	216.5	184.8	163.6	147.3	135.7	127.0	122.9	121.4	120.3
125°	307.9	259.5	220.9	194.0	173.9	158.6	146.5	137.6	133.5	131.2	130.2
127.5°	299.5	258.4	225.8	202.3	183.8	169.1	157.0	147.7	142.4	139.3	137.9
130°	293.9	257.6	228.9	207.9	190.2	175.8	163.7	153.9	147.9	144.1	142.8
132.5°	289.4	257.6	232.2	212.7	196.2	181.7	169.7	159.6	152.7	148.3	146.5
135°	284.1	257.6	236.7	219.5	204.2	189.7	177.2	167.5	160.0	154.4	152.5
137.5°	279.4	258.2	240.9	224.5	209.9	196.7	183.8	174.2	166.8	161.6	160.2
140°	277.2	258.6	242.8	227.9	213.9	200.5	187.9	179.0	171.6	166.0	164.6
142.5°	275.3	258.9	243.9	229.8	216.5	203.8	192.0	183.5	176.1	170.9	169.8
145°	272.6	258.6	245.1	232.5	220.9	208.8	198.1	189.7	183.2	178.6	177.7
147.5°	269.6	257.4	245.6	234.2	223.7	213.1	203.7	196.4	190.4	186.4	185.8
150°	267.4	256.2	245.6	235.3	225.6	215.3	207.4	200.9	194.9	191.6	190.7
152.5°	264.8	254.8	245.2	236.0	227.4	217.9	210.8	204.6	199.3	196.4	195.9
155°	260.4	252.1	244.2	236.7	229.3	221.4	214.8	210.2	205.5	202.8	202.8
157.5°	256.3	249.2	243.0	237.2	230.9	224.0	219.2	215.1	211.1	208.8	208.9
160°	253.0	247.4	241.8	237.2	231.6	225.6	221.4	217.7	214.4	212.5	213.0
162.5°	250.1	245.2	240.8	236.8	232.4	227.1	223.6	220.6	217.8	215.9	216.4
165°	245.6	241.8	239.0	236.3	232.5	228.9	226.0	224.1	221.8	220.5	221.4
167.5°	241.2	238.6	236.4	235.1	232.5	229.4	227.7	226.4	225.1	224.3	224.7
170°	238.6	236.7	235.3	234.4	232.5	230.2	228.9	227.9	227.0	226.5	227.0
172.5°	235.9	234.5	233.8	233.7	232.2	230.2	229.6	229.0	228.0	227.6	228.4
175°	232.5	232.0	232.0	232.5	231.6	230.2	230.2	230.2	229.8	229.3	230.2
177.5°	231.1	230.6	230.6	231.4	231.1	230.3	230.3	230.6	230.3	230.3	231.1
180°	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6



TEST NUMBER: P333306-930

CATALOG NUMBER: S125DIP-S1270D590U930-4F0-1E-UDD-A4

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°	13.4	14.1	15.8	18.5	20.2	22.3	23.6	22.7	20.8	19.4	17.9
90°	0.9	1.9	2.8	3.8	4.6	5.1	6.0	6.5	7.4	7.9	8.4
92.5°	6.8	10.8	16.6	24.5	38.2	63.5	106.2	152.4	149.9	121.4	82.4
95°	15.8	19.6	24.6	34.9	55.8	105.6	207.9	336.2	412.1	403.2	334.4
97.5°	26.0	28.6	33.8	43.0	58.0	91.0	165.9	300.3	440.0	510.2	498.0
100°	33.5	35.4	40.4	49.3	63.3	90.3	150.7	267.9	420.0	536.2	572.0
102.5°	40.9	42.4	47.9	56.0	69.5	93.6	144.4	243.3	384.6	520.6	597.0
105°	52.6	54.9	59.5	66.9	80.0	100.4	141.9	219.5	337.2	470.7	582.3
107.5°	65.4	67.6	71.4	79.2	90.9	110.7	146.1	209.5	304.5	419.7	529.8
110°	73.9	75.8	80.0	87.0	99.1	118.1	150.2	206.5	289.3	390.7	491.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	82.5	84.0	88.2	95.1	106.9	125.2	155.4	206.5	280.4	369.1	460.6
115°	94.9	96.3	100.4	107.5	119.0	136.2	163.2	207.9	270.7	345.5	422.2
117.5°	106.5	108.0	112.2	120.1	131.3	147.7	172.2	210.9	266.0	331.5	397.5
120°	114.0	115.8	120.0	127.9	139.5	155.8	178.1	213.9	263.7	323.7	384.2
122.5°	121.4	122.9	127.0	135.7	147.3	163.6	184.8	216.5	261.9	317.0	374.1
125°	131.2	133.5	137.6	146.5	158.6	173.9	194.0	220.9	259.5	307.9	359.5
127.5°	139.3	142.4	147.7	157.0	169.1	183.8	202.3	225.8	258.4	299.5	344.6
130°	144.1	147.9	153.9	163.7	175.8	190.2	207.9	228.9	257.6	293.9	335.3
132.5°	148.3	152.7	159.6	169.7	181.7	196.2	212.7	232.2	257.6	289.4	326.0
135°	154.4	160.0	167.5	177.2	189.7	204.2	219.5	236.7	257.6	284.1	313.9
137.5°	161.6	166.8	174.2	183.8	196.7	209.9	224.5	240.9	258.2	279.4	303.7
140°	166.0	171.6	179.0	187.9	200.5	213.9	227.9	242.8	258.6	277.2	298.1
142.5°	170.9	176.1	183.5	192.0	203.8	216.5	229.8	243.9	258.9	275.3	293.3
145°	178.6	183.2	189.7	198.1	208.8	220.9	232.5	245.1	258.6	272.6	287.0
147.5°	186.4	190.4	196.4	203.7	213.1	223.7	234.2	245.6	257.4	269.6	281.0
150°	191.6	194.9	200.9	207.4	215.3	225.6	235.3	245.6	256.2	267.4	277.6
152.5°	196.4	199.3	204.6	210.8	217.9	227.4	236.0	245.2	254.8	264.8	273.9
155°	202.8	205.5	210.2	214.8	221.4	229.3	236.7	244.2	252.1	260.4	268.3
157.5°	208.8	211.1	215.1	219.2	224.0	230.9	237.2	243.0	249.2	256.3	262.8
160°	212.5	214.4	217.7	221.4	225.6	231.6	237.2	241.8	247.4	253.0	259.0
162.5°	215.9	217.8	220.6	223.6	227.1	232.4	236.8	240.8	245.2	250.1	254.9
165°	220.5	221.8	224.1	226.0	228.9	232.5	236.3	239.0	241.8	245.6	249.2
167.5°	224.3	225.1	226.4	227.7	229.4	232.5	235.1	236.4	238.6	241.2	243.9
170°	226.5	227.0	227.9	228.9	230.2	232.5	234.4	235.3	236.7	238.6	240.9
172.5°	227.6	228.0	229.0	229.6	230.2	232.2	233.7	233.8	234.5	235.9	237.6
175°	229.3	229.8	230.2	230.2	230.2	231.6	232.5	232.0	232.0	232.5	233.9
177.5°	230.3	230.3	230.6	230.3	230.3	231.1	231.4	230.6	230.6	231.1	231.4
180°	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6



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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°	18.0	16.1	16.3	15.7	15.7	15.3	14.3
90°	8.8	9.3	10.2	10.2	10.2	10.7	10.7
92.5°	59.8	45.0	38.2	32.2	31.1	30.4	29.7
95°	263.7	206.5	167.5	134.4	120.4	116.8	109.3
97.5°	448.4	392.7	338.3	309.7	283.6	270.1	264.2
100°	549.3	501.3	453.0	420.9	387.4	370.2	362.7
102.5°	611.0	588.0	555.3	521.0	497.2	478.5	472.9
105°	646.0	666.4	661.3	646.5	631.1	621.8	616.2
107.5°	614.8	667.4	691.6	699.2	699.1	696.0	692.3
110°	579.5	645.1	684.6	705.5	714.4	717.6	717.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	544.5	610.8	657.5	688.0	703.2	711.3	714.6
115°	494.4	558.1	608.8	645.1	667.4	680.4	686.5
117.5°	459.7	514.5	561.1	597.4	620.4	633.3	637.1
120°	439.9	491.1	532.1	566.5	588.8	601.4	605.0
122.5°	425.8	471.4	509.7	540.4	560.8	573.4	576.7
125°	406.9	447.4	480.9	507.0	526.0	536.2	540.9
127.5°	388.9	426.6	458.0	481.6	498.5	508.1	510.2
130°	376.3	412.5	442.7	466.0	481.4	490.6	493.4
132.5°	364.4	397.3	426.4	449.6	465.0	473.5	476.7
135°	346.0	375.8	402.3	422.7	438.1	446.5	449.2
137.5°	329.6	354.4	376.9	395.2	409.2	416.9	420.0
140°	320.0	341.4	360.9	378.1	390.2	397.1	399.5
142.5°	311.8	330.2	347.2	361.7	371.9	378.5	380.5
145°	301.3	315.8	328.3	339.5	347.4	352.5	354.4
147.5°	292.7	303.8	313.2	322.1	328.4	331.4	332.2
150°	287.9	296.7	305.1	312.1	317.6	319.5	320.0
152.5°	283.1	291.1	297.7	303.5	307.9	309.8	310.3
155°	275.8	282.3	287.4	292.0	295.3	296.7	297.2
157.5°	268.9	273.9	277.9	281.5	284.2	285.5	285.4
160°	263.7	268.3	271.6	274.8	277.2	278.1	277.6
162.5°	259.3	263.1	266.0	268.6	270.5	270.7	270.6
165°	252.5	255.4	257.6	259.5	260.4	260.4	260.4
167.5°	246.1	248.2	249.8	250.8	251.6	251.2	251.1
170°	242.3	243.7	244.6	245.6	246.1	246.1	245.6
172.5°	239.0	239.9	240.5	240.8	241.6	240.8	240.4
175°	233.9	234.9	234.9	234.9	235.3	234.4	233.9
177.5°	231.8	231.8	231.8	231.4	231.8	230.6	230.6
180°	230.6	230.6	230.6	230.6	230.6	230.6	230.6

(END OF REPORT)