

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: P333306-840

Luminaire Tested: **S125DIP-S1270D590U840-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333306-840
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-S1270D590U840-4F0-1E-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: 7377.8 lumens
Efficiency: N/A
Efficacy: 133.9 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

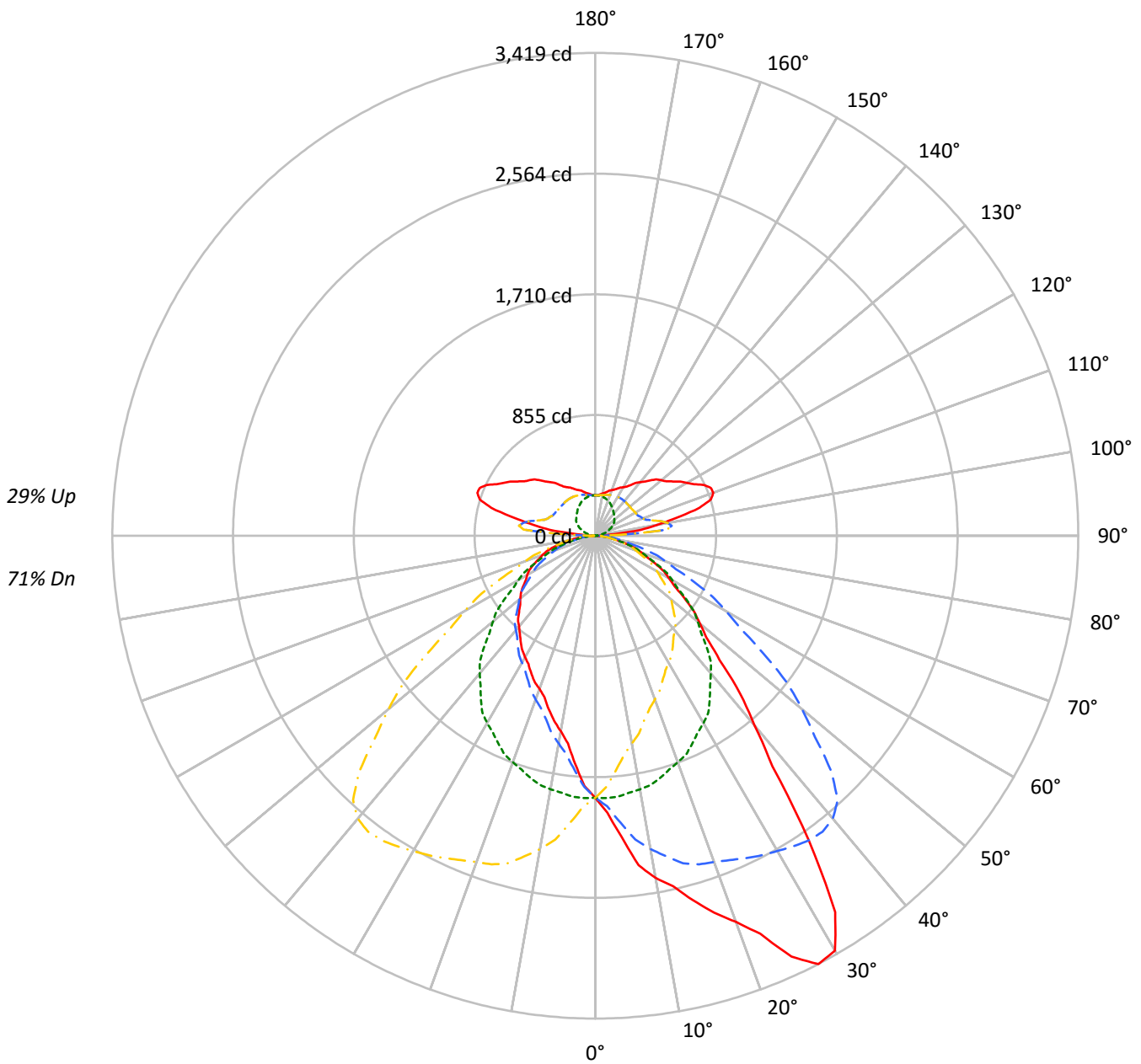
Input Watts (W): 55.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° ···· 90°-270° - · - · 135°-315°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	112	112	112	112	106	106	106	106	95	95	95	85	85	85	75	75	75	75	75	75	75	75	75	71		
1	103	98	95	91	97	93	90	87	84	81	79	75	73	71	67	66	64	64	64	64	64	64	64	60		
2	94	86	80	75	89	82	77	72	74	70	66	66	63	60	59	57	55	55	55	55	55	55	55	51		
3	86	76	69	63	81	72	66	60	65	60	56	59	55	51	53	50	47	47	47	47	47	47	47	44		
4	79	68	60	53	74	64	57	52	58	52	48	53	48	44	47	44	41	41	41	41	41	41	41	38		
5	72	61	52	46	68	58	50	44	52	46	41	47	42	38	43	39	35	35	35	35	35	35	35	33		
6	67	54	46	40	63	52	44	39	47	41	36	43	38	34	39	35	31	31	31	31	31	31	31	29		
7	62	49	41	35	58	47	40	34	43	37	32	39	34	30	36	31	28	28	28	28	28	28	28	26		
8	58	45	37	31	54	43	36	31	39	33	29	36	31	27	33	28	25	25	25	25	25	25	25	23		
9	54	41	33	28	51	39	32	27	36	30	26	33	28	24	30	26	23	23	23	23	23	23	23	21		
10	50	38	30	25	48	36	29	25	33	27	23	31	25	22	28	24	21	21	21	21	21	21	21	19		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11978	11978	11978	11978
5°	13871	12019	10524	12019
10°	16138	11956	9220	11956
15°	17864	11869	8505	11869
20°	19996	11730	7932	11730
25°	23426	11573	7652	11573
30°	25302	11419	7409	11419
35°	20805	11129	7250	11129
40°	14787	10725	7075	10725
45°	11359	10181	6974	10181
50°	9697	9507	6961	9507
55°	8634	8847	7020	8847
60°	7789	8123	7198	8123
65°	7195	7398	7386	7398
70°	6541	6643	7493	6643
75°	5777	5854	7426	5854
80°	4861	4775	6791	4775
85°	3846	3446	5483	3446



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.6	2.4
10°-20°	531.6	7.2
20°-30°	863.2	11.7
30°-40°	1053.0	14.3
40°-50°	957.9	13.0
50°-60°	763.0	10.3
60°-70°	531.4	7.2
70°-80°	283.4	3.8
80°-90°	73.1	1.0
90°-100°	207.1	2.8
100°-110°	445.2	6.0
110°-120°	417.8	5.7
120°-130°	338.6	4.6
130°-140°	271.7	3.7
140°-150°	205.1	2.8
150°-160°	144.3	2.0
160°-170°	85.1	1.2
170°-180°	27.7	0.4
0°-30°	1573.4	21.3
0°-40°	2626.3	35.6
0°-60°	4347.2	58.9
0°-90°	5235.1	71.0
90°-120°	1070.2	14.5
90°-150°	1885.6	25.6
90°-180°	2143.0	29.0
0°-180°	7377.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1855	1855	1855	1855	1855	
5°	2140	1854	1623	1854	2140	216
15°	2672	1775	1272	1775	2672	765
25°	3287	1624	1074	1624	3287	1502
35°	2639	1412	920	1412	2639	1615
45°	1244	1115	764	1115	1244	995
55°	767	786	624	786	767	691
65°	471	484	483	484	471	467
75°	232	235	298	235	232	249
85°	52	46	74	46	52	60
90°	13	1	13	1	13	11
95°	135	19	135	19	135	192
105°	763	65	763	65	763	759
115°	850	116	850	116	850	831
125°	670	161	670	161	670	606
135°	556	189	556	189	556	431
145°	439	220	439	220	439	279
155°	368	251	368	251	368	172
165°	323	274	323	274	323	92
175°	290	285	290	285	290	28
180°	286	286	286	286	286	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7
2.5°	1961.8	1959.2	1956.7	1951.7	1955.4	1944.7	1939.6	1930.9	1920.2	1916.4	1912.0
5°	2139.6	2143.5	2147.5	2131.0	2132.5	2121.5	2096.4	2075.9	2059.3	2038.1	2023.2
7.5°	2353.8	2344.5	2343.7	2333.0	2314.6	2299.8	2273.3	2239.6	2207.1	2169.9	2139.2
10°	2460.8	2461.6	2454.6	2442.0	2422.3	2408.1	2373.5	2340.4	2300.3	2253.0	2219.2
12.5°	2541.4	2544.8	2535.8	2518.8	2509.1	2477.4	2450.2	2411.0	2363.2	2325.4	2273.9
15°	2671.8	2663.1	2656.9	2635.5	2619.1	2586.0	2542.7	2501.7	2449.8	2401.8	2353.8
17.5°	2797.4	2804.4	2792.6	2773.2	2721.9	2683.3	2625.2	2569.1	2504.5	2440.0	2382.8
20°	2909.5	2915.9	2897.7	2863.9	2802.5	2763.9	2687.6	2615.1	2540.3	2457.7	2394.7
22.5°	3049.4	3044.3	3019.9	2968.4	2915.2	2843.9	2761.3	2673.0	2579.4	2486.0	2402.3
25°	3287.4	3254.3	3239.3	3175.6	3105.5	3000.8	2887.5	2758.3	2641.9	2518.3	2411.3
27.5°	3419.3	3408.9	3392.2	3347.9	3274.2	3162.2	3028.6	2871.2	2706.9	2550.9	2410.7
30°	3392.8	3394.5	3396.1	3381.8	3334.7	3250.4	3117.4	2948.1	2752.9	2577.4	2415.2
32.5°	3158.7	3187.2	3214.7	3247.1	3260.3	3244.1	3160.8	3008.0	2807.0	2607.6	2412.7
35°	2638.8	2647.4	2736.3	2824.5	2944.2	3037.1	3099.3	3031.5	2862.3	2633.2	2409.6
37.5°	2057.5	2100.0	2161.5	2261.2	2433.9	2588.5	2787.3	2878.8	2824.2	2641.6	2404.2
40°	1753.9	1793.3	1833.4	1935.0	2080.6	2268.0	2493.9	2686.7	2731.6	2615.1	2385.3
42.5°	1519.6	1550.8	1595.4	1671.7	1793.4	1959.3	2175.2	2427.3	2582.3	2538.3	2345.6
45°	1243.7	1263.4	1298.1	1358.8	1446.9	1576.8	1767.3	2042.9	2282.9	2362.4	2251.4
47.5°	1064.6	1064.5	1091.4	1133.3	1196.9	1307.3	1448.1	1664.1	1920.5	2110.2	2101.4
50°	965.1	961.2	982.4	1018.7	1069.0	1142.3	1276.9	1449.3	1695.7	1910.6	1970.3
52.5°	879.5	879.9	893.0	919.8	962.0	1024.5	1125.1	1280.5	1491.0	1711.5	1824.3
55°	766.8	763.6	778.5	796.7	827.4	868.3	940.7	1059.6	1230.4	1447.6	1594.1
57.5°	663.5	672.2	678.1	690.7	716.2	743.6	804.7	891.9	1027.4	1213.9	1368.7
60°	603.0	611.7	616.4	628.9	649.4	673.1	720.3	791.1	905.3	1065.9	1219.4
62.5°	548.9	555.6	557.1	568.6	585.2	608.2	645.4	704.9	795.1	935.5	1085.9
65°	470.8	470.8	473.9	485.7	493.6	514.0	542.4	585.7	658.1	767.5	895.9
67.5°	395.5	399.3	398.5	403.6	410.9	426.9	447.2	482.9	536.5	616.4	719.0
70°	346.4	349.5	348.7	352.6	360.5	370.8	387.3	421.1	459.7	528.3	616.4
72.5°	302.3	303.6	301.5	306.7	311.4	320.4	338.8	356.9	392.9	450.8	523.2
75°	231.5	233.0	234.6	237.7	242.5	247.2	256.6	274.8	298.3	341.6	388.1
77.5°	173.5	170.5	174.3	173.8	176.5	180.2	188.4	198.0	217.4	244.8	280.7
80°	130.7	131.5	131.5	132.3	136.2	138.6	145.6	152.7	167.6	188.1	213.4
82.5°	95.4	97.5	96.2	97.7	100.9	102.6	106.5	112.4	121.1	137.1	155.4
85°	51.9	48.1	49.6	51.2	51.2	51.9	55.1	57.5	62.2	68.5	75.5
87.5°	17.8	19.0	19.5	19.5	20.2	19.9	22.3	22.2	24.0	25.8	28.1
90°	13.2	13.2	12.6	12.6	12.6	11.5	10.9	10.4	9.8	9.2	8.1
92.5°	36.8	37.7	38.5	39.9	47.3	55.7	74.1	102.1	150.4	185.7	188.7
95°	135.4	144.6	149.2	166.5	207.4	255.8	326.6	414.1	499.5	510.4	416.5
97.5°	327.2	334.6	351.2	383.5	419.1	486.5	555.4	616.8	632.0	545.0	371.9
100°	449.3	458.6	479.9	521.3	561.1	621.0	680.3	708.5	664.2	520.2	331.8
102.5°	585.7	592.7	615.8	645.3	687.8	728.3	756.8	739.4	644.8	476.4	301.3
105°	763.3	770.2	781.7	800.7	819.1	825.5	800.1	721.2	583.0	417.7	271.9
107.5°	857.5	862.1	866.0	866.1	856.7	826.7	761.5	656.2	519.9	377.2	259.4
110°	888.9	888.9	884.8	873.8	848.0	799.0	717.8	608.3	483.9	358.3	255.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	885.1	881.0	871.0	852.2	814.4	756.6	674.5	570.6	457.2	347.3	255.8
115°	850.3	842.7	826.7	799.0	754.1	691.3	612.4	523.0	428.0	335.3	257.5
117.5°	789.1	784.5	768.5	739.9	695.0	637.3	569.4	492.4	410.6	329.4	261.3
120°	749.4	744.9	729.3	701.7	659.0	608.3	544.9	475.8	400.9	326.6	265.0
122.5°	714.4	710.2	694.7	669.3	631.4	583.9	527.5	463.4	392.6	324.4	268.2
125°	669.9	664.2	651.6	627.9	595.6	554.2	504.0	445.2	381.3	321.4	273.7
127.5°	632.0	629.3	617.4	596.5	567.3	528.5	481.7	426.9	371.0	320.0	279.7
130°	611.2	607.7	596.2	577.2	548.4	511.0	466.1	415.4	364.1	319.1	283.5
132.5°	590.5	586.5	575.9	556.9	528.2	492.1	451.3	403.8	358.5	319.1	287.6
135°	556.4	553.0	542.6	523.6	498.3	465.4	428.6	388.8	351.9	319.1	293.2
137.5°	520.2	516.3	506.9	489.5	466.9	439.0	408.3	376.2	346.1	319.8	298.4
140°	494.8	491.9	483.3	468.4	447.1	422.8	396.4	369.2	343.4	320.3	300.7
142.5°	471.3	468.9	460.7	448.1	430.0	409.0	386.2	363.2	341.0	320.7	302.1
145°	439.0	436.7	430.3	420.5	406.7	391.1	373.2	355.5	337.6	320.3	303.6
147.5°	411.5	410.5	406.8	399.0	388.0	376.3	362.5	348.1	334.0	318.8	304.2
150°	396.4	395.8	393.4	386.6	377.9	367.5	356.6	343.9	331.2	317.4	304.2
152.5°	384.4	383.7	381.4	376.0	368.7	360.6	350.6	339.3	328.0	315.6	303.7
155°	368.1	367.5	365.8	361.7	356.0	349.6	341.6	332.3	322.6	312.3	302.5
157.5°	353.6	353.7	352.0	348.7	344.3	339.3	333.1	325.5	317.5	308.7	300.9
160°	343.9	344.5	343.4	340.4	336.4	332.3	326.6	320.8	313.4	306.5	299.5
162.5°	335.2	335.3	335.1	332.6	329.5	325.9	321.1	315.8	309.7	303.7	298.2
165°	322.6	322.6	322.6	321.4	319.1	316.3	312.8	308.7	304.2	299.5	296.1
167.5°	311.0	311.1	311.6	310.6	309.4	307.4	304.8	302.1	298.7	295.5	292.9
170°	304.2	304.8	304.8	304.2	303.0	301.8	300.1	298.4	295.5	293.2	291.4
172.5°	297.7	298.3	299.2	298.2	297.9	297.2	296.0	294.3	292.3	290.4	289.6
175°	289.7	290.3	291.4	290.9	290.9	290.9	289.7	289.7	288.0	287.4	287.4
177.5°	285.7	285.7	287.1	286.6	287.1	287.1	287.1	286.6	286.2	285.7	285.7
180°	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7
2.5°	1908.2	1903.8	1898.7	1890.0	1879.3	1873.6	1864.7	1859.1	1847.8	1838.3	1828.3
5°	2005.0	1984.6	1965.7	1941.3	1914.5	1897.1	1876.7	1853.9	1830.3	1805.8	1779.1
7.5°	2105.4	2069.1	2029.7	1987.4	1946.0	1907.8	1871.5	1835.7	1802.4	1762.1	1728.0
10°	2172.7	2127.1	2078.2	2020.7	1964.9	1916.1	1866.4	1823.2	1779.1	1731.8	1690.1
12.5°	2240.1	2179.3	2110.3	2047.2	1980.0	1921.1	1862.7	1807.5	1752.0	1699.7	1651.1
15°	2287.6	2234.1	2170.3	2080.6	2005.0	1924.0	1846.8	1775.1	1708.3	1650.0	1588.6
17.5°	2319.0	2250.0	2181.5	2095.4	1996.4	1905.7	1818.3	1736.3	1660.8	1587.0	1527.8
20°	2324.6	2253.8	2182.1	2097.9	1996.4	1892.5	1805.0	1706.7	1625.6	1549.2	1476.8
22.5°	2322.8	2242.4	2164.5	2077.8	1978.7	1883.0	1777.4	1677.1	1589.0	1514.0	1438.4
25°	2304.9	2219.2	2121.5	2034.2	1936.5	1835.0	1728.0	1624.1	1534.3	1448.4	1373.7
27.5°	2290.2	2178.9	2068.3	1966.4	1872.2	1779.1	1676.6	1570.1	1470.7	1383.7	1313.2
30°	2271.9	2149.9	2025.5	1919.2	1822.4	1731.8	1635.1	1531.2	1427.2	1342.2	1266.7
32.5°	2255.5	2113.3	1982.1	1866.3	1763.8	1675.8	1586.5	1487.6	1385.6	1299.4	1223.8
35°	2223.9	2059.3	1908.9	1778.3	1668.9	1578.3	1503.6	1411.5	1317.8	1234.4	1162.0
37.5°	2183.7	1988.5	1827.1	1690.1	1570.1	1474.8	1405.1	1334.4	1244.6	1164.2	1098.6
40°	2152.2	1938.1	1767.3	1627.2	1502.8	1403.6	1339.1	1272.1	1197.4	1122.6	1053.3
42.5°	2112.5	1892.8	1706.9	1556.0	1432.9	1336.3	1268.5	1211.6	1145.7	1076.0	1011.7
45°	2039.6	1810.6	1609.0	1446.9	1322.5	1227.3	1157.2	1114.7	1065.1	999.0	944.6
47.5°	1932.5	1711.8	1503.4	1336.1	1207.7	1119.4	1053.8	1013.0	978.1	928.9	879.6
50°	1837.3	1638.2	1427.2	1261.1	1132.8	1043.8	983.2	946.2	916.4	878.5	836.8
52.5°	1730.9	1545.6	1352.3	1188.1	1061.0	973.3	913.9	881.4	856.5	829.4	788.3
55°	1561.9	1404.4	1224.9	1069.0	951.7	866.0	814.0	785.7	765.2	744.7	719.5
57.5°	1375.5	1252.4	1093.5	951.0	842.9	764.9	716.4	688.8	672.9	662.4	647.5
60°	1244.6	1139.1	1002.1	872.2	766.8	697.5	650.3	628.9	615.6	606.9	595.9
62.5°	1123.1	1036.4	909.6	791.0	698.7	633.2	591.1	570.4	557.6	553.4	544.3
65°	943.8	877.0	772.2	673.9	595.1	539.3	503.8	484.1	476.3	471.5	472.3
67.5°	767.4	726.6	642.5	558.6	495.7	448.9	420.5	405.5	401.5	395.2	395.1
70°	659.6	628.9	558.2	484.9	429.0	392.8	367.6	351.8	347.9	344.8	344.1
72.5°	564.6	537.7	476.3	417.6	367.3	335.5	314.8	305.3	298.8	296.9	296.8
75°	424.3	409.4	360.5	314.1	279.4	257.4	243.3	234.6	229.8	229.0	229.8
77.5°	301.6	288.6	257.6	224.7	202.8	186.1	174.1	171.2	165.8	165.9	165.1
80°	226.7	218.0	198.3	172.4	154.3	140.2	133.8	128.4	126.7	124.4	126.7
82.5°	164.4	155.1	141.7	125.1	110.2	101.7	95.4	93.7	92.7	91.6	92.1
85°	81.1	81.9	74.0	61.4	55.1	50.4	46.5	46.5	45.6	44.8	45.6
87.5°	29.2	27.7	25.0	22.9	19.6	17.5	16.6	17.2	15.3	14.9	15.9
90°	7.5	6.4	5.8	4.6	3.4	2.3	1.1	0.6	1.1	2.3	3.4
92.5°	131.5	78.7	47.3	30.4	20.5	13.3	8.5	7.1	8.5	13.3	20.5
95°	257.5	130.8	69.2	43.2	30.5	24.2	19.6	19.0	19.6	24.2	30.5
97.5°	205.5	112.7	71.9	53.2	41.8	35.4	32.2	31.6	32.2	35.4	41.8
100°	186.6	111.8	78.4	61.1	50.1	43.8	41.5	40.3	41.5	43.8	50.1
102.5°	178.8	115.9	86.1	69.4	59.4	52.5	50.7	50.0	50.7	52.5	59.4
105°	175.7	124.4	99.1	82.9	73.7	68.0	65.1	65.1	65.1	68.0	73.7
107.5°	181.0	137.1	112.6	98.1	88.5	83.7	81.0	79.9	81.0	83.7	88.5
110°	186.0	146.3	122.7	107.8	99.1	93.9	91.6	90.5	91.6	93.9	99.1



TEST NUMBER: P333306-840

CATALOG NUMBER: S125DIP-S1270D590U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	192.5	155.1	132.4	117.9	109.3	104.0	102.2	101.1	102.2	104.0	109.3
115°	202.2	168.7	147.4	133.1	124.4	119.3	117.5	116.3	117.5	119.3	124.4
117.5°	213.3	182.9	162.7	148.8	139.0	133.8	131.9	130.2	131.9	133.8	139.0
120°	220.7	193.0	172.8	158.4	148.7	143.4	141.2	139.4	141.2	143.4	148.7
122.5°	228.9	202.7	182.5	168.1	157.3	152.2	150.4	149.1	150.4	152.2	157.3
125°	240.2	215.4	196.4	181.5	170.5	165.3	162.5	161.3	162.5	165.3	170.5
127.5°	250.5	227.7	209.4	194.5	182.9	176.3	172.6	170.9	172.6	176.3	182.9
130°	257.5	235.6	217.7	202.8	190.7	183.2	178.5	176.8	178.5	183.2	190.7
132.5°	263.5	243.0	225.1	210.2	197.6	189.1	183.7	181.5	183.7	189.1	197.6
135°	271.9	252.9	235.0	219.4	207.4	198.1	191.3	188.9	191.3	198.1	207.4
137.5°	278.1	259.9	243.7	227.6	215.8	206.6	200.2	198.4	200.2	206.6	215.8
140°	282.3	265.0	248.3	232.8	221.8	212.6	205.6	203.9	205.6	212.6	221.8
142.5°	284.6	268.2	252.5	237.8	227.3	218.1	211.7	210.4	211.7	218.1	227.3
145°	288.0	273.7	258.6	245.4	235.0	226.9	221.2	220.0	221.2	226.9	235.0
147.5°	290.1	277.1	264.0	252.3	243.3	235.8	230.9	230.1	230.9	235.8	243.3
150°	291.4	279.4	266.7	256.9	248.8	241.4	237.3	236.2	237.3	241.4	248.8
152.5°	292.4	281.7	269.9	261.1	253.5	246.9	243.3	242.7	243.3	246.9	253.5
155°	293.2	284.0	274.2	266.1	260.3	254.6	251.2	251.2	251.2	254.6	260.3
157.5°	293.8	286.0	277.5	271.5	266.4	261.5	258.6	258.7	258.6	261.5	266.4
160°	293.8	286.9	279.4	274.2	269.6	265.6	263.3	263.9	263.3	265.6	269.6
162.5°	293.4	287.8	281.2	277.0	273.3	269.7	267.4	268.0	267.4	269.7	273.3
165°	292.7	288.0	283.5	279.9	277.6	274.8	273.1	274.2	273.1	274.8	277.6
167.5°	291.2	288.0	284.2	282.1	280.4	278.8	277.8	278.3	277.8	278.8	280.4
170°	290.3	288.0	285.2	283.5	282.3	281.1	280.5	281.1	280.5	281.1	282.3
172.5°	289.4	287.6	285.2	284.4	283.7	282.5	282.0	283.0	282.0	282.5	283.7
175°	288.0	286.9	285.2	285.2	285.2	284.6	284.0	285.2	284.0	284.6	285.2
177.5°	286.6	286.2	285.3	285.3	285.7	285.3	285.3	286.2	285.3	285.3	285.7
180°	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7



TEST NUMBER: P333306-840

CATALOG NUMBER: S125DIP-S1270D590U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7
2.5°	1822.5	1815.6	1810.0	1797.4	1790.4	1781.0	1773.4	1781.6	1772.8	1776.6	1770.9
5°	1765.7	1743.6	1728.0	1705.1	1685.5	1667.3	1654.0	1651.5	1645.3	1642.1	1632.6
7.5°	1697.4	1669.8	1642.7	1612.9	1587.6	1562.0	1545.6	1532.1	1523.1	1511.3	1503.3
10°	1657.1	1620.1	1588.6	1552.4	1520.9	1493.4	1471.3	1460.3	1450.1	1435.1	1429.6
12.5°	1607.3	1569.0	1530.7	1492.0	1461.7	1431.0	1412.1	1395.4	1388.4	1371.5	1369.8
15°	1547.6	1490.2	1452.4	1413.0	1371.3	1346.2	1330.4	1312.3	1304.4	1292.6	1283.9
17.5°	1476.5	1425.1	1378.0	1337.2	1301.4	1280.2	1260.6	1248.2	1234.7	1227.0	1212.7
20°	1424.8	1376.0	1328.8	1285.6	1258.0	1233.6	1217.8	1206.0	1191.8	1187.9	1173.8
22.5°	1381.4	1327.6	1282.2	1245.9	1215.8	1188.2	1171.2	1163.2	1153.5	1141.3	1138.4
25°	1310.7	1254.9	1216.3	1180.0	1153.3	1128.1	1116.3	1106.0	1096.6	1087.9	1084.8
27.5°	1249.6	1199.7	1153.9	1121.2	1097.8	1074.9	1064.5	1052.1	1045.1	1038.1	1029.7
30°	1206.8	1155.6	1115.5	1084.0	1058.8	1038.3	1027.3	1018.7	1012.4	1006.0	1001.4
32.5°	1162.8	1115.3	1076.4	1045.6	1020.4	1004.9	995.2	989.1	982.1	974.5	968.6
35°	1104.5	1052.5	1014.7	988.0	968.3	956.4	945.4	939.9	932.1	932.1	925.7
37.5°	1038.8	993.9	960.6	936.1	918.5	908.0	896.1	892.2	887.2	883.8	881.7
40°	999.8	958.1	926.6	902.1	883.2	874.5	865.2	858.9	855.7	851.7	850.2
42.5°	959.5	919.6	889.4	866.9	850.5	843.1	834.2	829.9	823.5	818.4	817.5
45°	898.2	859.6	832.1	814.0	799.8	791.1	785.7	776.2	773.1	766.8	766.0
47.5°	840.1	803.1	776.1	761.2	748.8	741.7	733.1	723.6	720.0	716.8	716.5
50°	796.7	762.9	737.6	723.5	711.7	701.5	692.8	686.4	684.1	684.1	685.7
52.5°	752.6	723.8	702.4	685.0	673.9	663.0	655.0	651.2	647.5	651.4	654.2
55°	688.0	658.9	643.2	626.6	615.6	603.0	599.1	597.5	595.1	601.5	604.6
57.5°	619.7	599.3	580.8	564.4	554.5	547.2	541.9	541.0	545.4	548.4	558.6
60°	576.2	552.6	536.1	523.5	511.7	507.0	505.4	503.8	507.0	515.6	529.0
62.5°	528.4	509.2	491.4	481.9	473.2	465.4	465.0	466.1	472.3	482.2	495.6
65°	458.2	441.6	429.8	418.8	411.7	407.0	408.6	411.7	418.8	432.2	447.2
67.5°	386.9	375.5	365.0	356.0	349.2	349.2	350.8	355.5	363.9	379.3	392.9
70°	340.8	328.3	319.6	315.7	310.1	307.0	311.7	319.6	326.7	340.8	352.6
72.5°	294.9	284.2	277.4	274.8	272.4	269.8	271.5	279.9	289.5	303.7	317.4
75°	226.7	222.8	218.0	214.9	212.6	214.1	215.7	223.6	231.5	246.4	262.2
77.5°	165.5	161.4	158.5	157.7	156.5	157.2	161.7	167.5	175.2	186.1	198.0
80°	125.1	123.6	122.0	121.2	121.2	122.0	128.4	132.3	139.4	149.6	159.1
82.5°	91.2	90.2	89.9	89.8	90.4	90.5	94.3	99.5	105.3	113.0	121.2
85°	48.1	46.5	48.8	49.6	48.1	50.4	51.9	55.1	57.5	61.4	65.3
87.5°	16.7	18.2	17.7	18.5	18.6	20.1	19.6	22.2	23.6	24.9	24.5
90°	4.6	5.8	6.4	7.5	8.1	9.2	9.8	10.4	10.9	11.5	12.6
92.5°	30.4	47.3	78.7	131.5	188.7	185.7	150.4	102.1	74.1	55.7	47.3
95°	43.2	69.2	130.8	257.5	416.5	510.4	499.5	414.1	326.6	255.8	207.4
97.5°	53.2	71.9	112.7	205.5	371.9	545.0	632.0	616.8	555.4	486.5	419.1
100°	61.1	78.4	111.8	186.6	331.8	520.2	664.2	708.5	680.3	621.0	561.1
102.5°	69.4	86.1	115.9	178.8	301.3	476.4	644.8	739.4	756.8	728.3	687.8
105°	82.9	99.1	124.4	175.7	271.9	417.7	583.0	721.2	800.1	825.5	819.1
107.5°	98.1	112.6	137.1	181.0	259.4	377.2	519.9	656.2	761.5	826.7	856.7
110°	107.8	122.7	146.3	186.0	255.8	358.3	483.9	608.3	717.8	799.0	848.0



TEST NUMBER: P333306-840

CATALOG NUMBER: S125DIP-S1270D590U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	117.9	132.4	155.1	192.5	255.8	347.3	457.2	570.6	674.5	756.6	814.4
115°	133.1	147.4	168.7	202.2	257.5	335.3	428.0	523.0	612.4	691.3	754.1
117.5°	148.8	162.7	182.9	213.3	261.3	329.4	410.6	492.4	569.4	637.3	695.0
120°	158.4	172.8	193.0	220.7	265.0	326.6	400.9	475.8	544.9	608.3	659.0
122.5°	168.1	182.5	202.7	228.9	268.2	324.4	392.6	463.4	527.5	583.9	631.4
125°	181.5	196.4	215.4	240.2	273.7	321.4	381.3	445.2	504.0	554.2	595.6
127.5°	194.5	209.4	227.7	250.5	279.7	320.0	371.0	426.9	481.7	528.5	567.3
130°	202.8	217.7	235.6	257.5	283.5	319.1	364.1	415.4	466.1	511.0	548.4
132.5°	210.2	225.1	243.0	263.5	287.6	319.1	358.5	403.8	451.3	492.1	528.2
135°	219.4	235.0	252.9	271.9	293.2	319.1	351.9	388.8	428.6	465.4	498.3
137.5°	227.6	243.7	259.9	278.1	298.4	319.8	346.1	376.2	408.3	439.0	466.9
140°	232.8	248.3	265.0	282.3	300.7	320.3	343.4	369.2	396.4	422.8	447.1
142.5°	237.8	252.5	268.2	284.6	302.1	320.7	341.0	363.2	386.2	409.0	430.0
145°	245.4	258.6	273.7	288.0	303.6	320.3	337.6	355.5	373.2	391.1	406.7
147.5°	252.3	264.0	277.1	290.1	304.2	318.8	334.0	348.1	362.5	376.3	388.0
150°	256.9	266.7	279.4	291.4	304.2	317.4	331.2	343.9	356.6	367.5	377.9
152.5°	261.1	269.9	281.7	292.4	303.7	315.6	328.0	339.3	350.6	360.6	368.7
155°	266.1	274.2	284.0	293.2	302.5	312.3	322.6	332.3	341.6	349.6	356.0
157.5°	271.5	277.5	286.0	293.8	300.9	308.7	317.5	325.5	333.1	339.3	344.3
160°	274.2	279.4	286.9	293.8	299.5	306.5	313.4	320.8	326.6	332.3	336.4
162.5°	277.0	281.2	287.8	293.4	298.2	303.7	309.7	315.8	321.1	325.9	329.5
165°	279.9	283.5	288.0	292.7	296.1	299.5	304.2	308.7	312.8	316.3	319.1
167.5°	282.1	284.2	288.0	291.2	292.9	295.5	298.7	302.1	304.8	307.4	309.4
170°	283.5	285.2	288.0	290.3	291.4	293.2	295.5	298.4	300.1	301.8	303.0
172.5°	284.4	285.2	287.6	289.4	289.6	290.4	292.3	294.3	296.0	297.2	297.9
175°	285.2	285.2	286.9	288.0	287.4	287.4	288.0	289.7	289.7	290.9	290.9
177.5°	285.3	285.3	286.2	286.6	285.7	285.7	286.2	286.6	287.1	287.1	287.1
180°	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7



TEST NUMBER: P333306-840

CATALOG NUMBER: S125DIP-S1270D590U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7
2.5°	1767.2	1771.5	1767.8	1772.8	1767.8	1771.5	1767.2	1770.9	1776.6	1772.8	1781.6
5°	1628.7	1621.6	1626.4	1623.3	1626.4	1621.6	1628.7	1632.6	1642.1	1645.3	1651.5
7.5°	1500.9	1494.1	1486.4	1482.8	1486.4	1494.1	1500.9	1503.3	1511.3	1523.1	1532.1
10°	1420.9	1412.3	1411.5	1405.9	1411.5	1412.3	1420.9	1429.6	1435.1	1450.1	1460.3
12.5°	1362.3	1354.3	1345.3	1343.0	1345.3	1354.3	1362.3	1369.8	1371.5	1388.4	1395.4
15°	1279.2	1272.9	1267.4	1272.1	1267.4	1272.9	1279.2	1283.9	1292.6	1304.4	1312.3
17.5°	1210.1	1204.9	1204.0	1198.1	1204.0	1204.9	1210.1	1212.7	1227.0	1234.7	1248.2
20°	1166.7	1162.8	1164.3	1154.1	1164.3	1162.8	1166.7	1173.8	1187.9	1191.8	1206.0
22.5°	1132.1	1124.3	1123.4	1121.4	1123.4	1124.3	1132.1	1138.4	1141.3	1153.5	1163.2
25°	1077.7	1073.8	1069.9	1073.8	1069.9	1073.8	1077.7	1084.8	1087.9	1096.6	1106.0
27.5°	1030.3	1025.6	1024.5	1024.9	1024.5	1025.6	1030.3	1029.7	1038.1	1045.1	1052.1
30°	1001.4	993.5	994.2	993.5	994.2	993.5	1001.4	1001.4	1006.0	1012.4	1018.7
32.5°	969.9	964.5	963.4	962.0	963.4	964.5	969.9	968.6	974.5	982.1	989.1
35°	923.4	923.4	919.5	919.5	919.5	923.4	923.4	925.7	932.1	932.1	939.9
37.5°	879.8	879.0	876.7	877.0	876.7	879.0	879.8	881.7	883.8	887.2	892.2
40°	847.1	846.3	843.8	839.2	843.8	846.3	847.1	850.2	851.7	855.7	858.9
42.5°	815.6	812.8	811.7	810.2	811.7	812.8	815.6	817.5	818.4	823.5	829.9
45°	766.0	766.0	764.4	763.6	764.4	766.0	766.0	766.0	766.8	773.1	776.2
47.5°	717.8	719.2	722.2	721.8	722.2	719.2	717.8	716.5	716.8	720.0	723.6
50°	688.8	689.6	692.0	692.8	692.0	689.6	688.8	685.7	684.1	684.1	686.4
52.5°	656.7	661.3	664.3	663.8	664.3	661.3	656.7	654.2	651.4	647.5	651.2
55°	611.7	617.1	622.7	623.5	622.7	617.1	611.7	604.6	601.5	595.1	597.5
57.5°	567.1	574.8	580.7	582.5	580.7	574.8	567.1	558.6	548.4	545.4	541.0
60°	536.8	547.1	554.2	557.3	554.2	547.1	536.8	529.0	515.6	507.0	503.8
62.5°	507.9	519.4	526.4	527.1	526.4	519.4	507.9	495.6	482.2	472.3	466.1
65°	460.5	472.3	478.6	483.3	478.6	472.3	460.5	447.2	432.2	418.8	411.7
67.5°	409.5	421.3	428.3	432.0	428.3	421.3	409.5	392.9	379.3	363.9	355.5
70°	372.3	384.2	393.6	396.8	393.6	384.2	372.3	352.6	340.8	326.7	319.6
72.5°	335.8	346.4	354.0	357.7	354.0	346.4	335.8	317.4	303.7	289.5	279.9
75°	272.4	286.5	293.7	297.6	293.7	286.5	272.4	262.2	246.4	231.5	223.6
77.5°	210.1	223.0	227.2	229.2	227.2	223.0	210.1	198.0	186.1	175.2	167.5
80°	168.4	176.3	181.9	182.6	181.9	176.3	168.4	159.1	149.6	139.4	132.3
82.5°	129.5	136.0	137.7	139.8	137.7	136.0	129.5	121.2	113.0	105.3	99.5
85°	70.9	74.0	74.8	74.0	74.8	74.0	70.9	65.3	61.4	57.5	55.1
87.5°	25.9	25.2	25.3	26.6	25.3	25.2	25.9	24.5	24.9	23.6	22.2
90°	12.6	12.6	13.2	13.2	13.2	12.6	12.6	12.6	11.5	10.9	10.4
92.5°	39.9	38.5	37.7	36.8	37.7	38.5	39.9	47.3	55.7	74.1	102.1
95°	166.5	149.2	144.6	135.4	144.6	149.2	166.5	207.4	255.8	326.6	414.1
97.5°	383.5	351.2	334.6	327.2	334.6	351.2	383.5	419.1	486.5	555.4	616.8
100°	521.3	479.9	458.6	449.3	458.6	479.9	521.3	561.1	621.0	680.3	708.5
102.5°	645.3	615.8	592.7	585.7	592.7	615.8	645.3	687.8	728.3	756.8	739.4
105°	800.7	781.7	770.2	763.3	770.2	781.7	800.7	819.1	825.5	800.1	721.2
107.5°	866.1	866.0	862.1	857.5	862.1	866.0	866.1	856.7	826.7	761.5	656.2
110°	873.8	884.8	888.9	888.9	888.9	884.8	873.8	848.0	799.0	717.8	608.3



TEST NUMBER: P333306-840

CATALOG NUMBER: S125DIP-S1270D590U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	852.2	871.0	881.0	885.1	881.0	871.0	852.2	814.4	756.6	674.5	570.6
115°	799.0	826.7	842.7	850.3	842.7	826.7	799.0	754.1	691.3	612.4	523.0
117.5°	739.9	768.5	784.5	789.1	784.5	768.5	739.9	695.0	637.3	569.4	492.4
120°	701.7	729.3	744.9	749.4	744.9	729.3	701.7	659.0	608.3	544.9	475.8
122.5°	669.3	694.7	710.2	714.4	710.2	694.7	669.3	631.4	583.9	527.5	463.4
125°	627.9	651.6	664.2	669.9	664.2	651.6	627.9	595.6	554.2	504.0	445.2
127.5°	596.5	617.4	629.3	632.0	629.3	617.4	596.5	567.3	528.5	481.7	426.9
130°	577.2	596.2	607.7	611.2	607.7	596.2	577.2	548.4	511.0	466.1	415.4
132.5°	556.9	575.9	586.5	590.5	586.5	575.9	556.9	528.2	492.1	451.3	403.8
135°	523.6	542.6	553.0	556.4	553.0	542.6	523.6	498.3	465.4	428.6	388.8
137.5°	489.5	506.9	516.3	520.2	516.3	506.9	489.5	466.9	439.0	408.3	376.2
140°	468.4	483.3	491.9	494.8	491.9	483.3	468.4	447.1	422.8	396.4	369.2
142.5°	448.1	460.7	468.9	471.3	468.9	460.7	448.1	430.0	409.0	386.2	363.2
145°	420.5	430.3	436.7	439.0	436.7	430.3	420.5	406.7	391.1	373.2	355.5
147.5°	399.0	406.8	410.5	411.5	410.5	406.8	399.0	388.0	376.3	362.5	348.1
150°	386.6	393.4	395.8	396.4	395.8	393.4	386.6	377.9	367.5	356.6	343.9
152.5°	376.0	381.4	383.7	384.4	383.7	381.4	376.0	368.7	360.6	350.6	339.3
155°	361.7	365.8	367.5	368.1	367.5	365.8	361.7	356.0	349.6	341.6	332.3
157.5°	348.7	352.0	353.7	353.6	353.7	352.0	348.7	344.3	339.3	333.1	325.5
160°	340.4	343.4	344.5	343.9	344.5	343.4	340.4	336.4	332.3	326.6	320.8
162.5°	332.6	335.1	335.3	335.2	335.3	335.1	332.6	329.5	325.9	321.1	315.8
165°	321.4	322.6	322.6	322.6	322.6	322.6	321.4	319.1	316.3	312.8	308.7
167.5°	310.6	311.6	311.1	311.0	311.1	311.6	310.6	309.4	307.4	304.8	302.1
170°	304.2	304.8	304.8	304.2	304.8	304.8	304.2	303.0	301.8	300.1	298.4
172.5°	298.2	299.2	298.3	297.7	298.3	299.2	298.2	297.9	297.2	296.0	294.3
175°	290.9	291.4	290.3	289.7	290.3	291.4	290.9	290.9	290.9	289.7	289.7
177.5°	286.6	287.1	285.7	285.7	285.7	287.1	286.6	287.1	287.1	287.1	286.6
180°	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7



TEST NUMBER: P333306-840

CATALOG NUMBER: S125DIP-S1270D590U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7
2.5°	1773.4	1781.0	1790.4	1797.4	1810.0	1815.6	1822.5	1828.3	1838.3	1847.8	1859.1
5°	1654.0	1667.3	1685.5	1705.1	1728.0	1743.6	1765.7	1779.1	1805.8	1830.3	1853.9
7.5°	1545.6	1562.0	1587.6	1612.9	1642.7	1669.8	1697.4	1728.0	1762.1	1802.4	1835.7
10°	1471.3	1493.4	1520.9	1552.4	1588.6	1620.1	1657.1	1690.1	1731.8	1779.1	1823.2
12.5°	1412.1	1431.0	1461.7	1492.0	1530.7	1569.0	1607.3	1651.1	1699.7	1752.0	1807.5
15°	1330.4	1346.2	1371.3	1413.0	1452.4	1490.2	1547.6	1588.6	1650.0	1708.3	1775.1
17.5°	1260.6	1280.2	1301.4	1337.2	1378.0	1425.1	1476.5	1527.8	1587.0	1660.8	1736.3
20°	1217.8	1233.6	1258.0	1285.6	1328.8	1376.0	1424.8	1476.8	1549.2	1625.6	1706.7
22.5°	1171.2	1188.2	1215.8	1245.9	1282.2	1327.6	1381.4	1438.4	1514.0	1589.0	1677.1
25°	1116.3	1128.1	1153.3	1180.0	1216.3	1254.9	1310.7	1373.7	1448.4	1534.3	1624.1
27.5°	1064.5	1074.9	1097.8	1121.2	1153.9	1199.7	1249.6	1313.2	1383.7	1470.7	1570.1
30°	1027.3	1038.3	1058.8	1084.0	1115.5	1155.6	1206.8	1266.7	1342.2	1427.2	1531.2
32.5°	995.2	1004.9	1020.4	1045.6	1076.4	1115.3	1162.8	1223.8	1299.4	1385.6	1487.6
35°	945.4	956.4	968.3	988.0	1014.7	1052.5	1104.5	1162.0	1234.4	1317.8	1411.5
37.5°	896.1	908.0	918.5	936.1	960.6	993.9	1038.8	1098.6	1164.2	1244.6	1334.4
40°	865.2	874.5	883.2	902.1	926.6	958.1	999.8	1053.3	1122.6	1197.4	1272.1
42.5°	834.2	843.1	850.5	866.9	889.4	919.6	959.5	1011.7	1076.0	1145.7	1211.6
45°	785.7	791.1	799.8	814.0	832.1	859.6	898.2	944.6	999.0	1065.1	1114.7
47.5°	733.1	741.7	748.8	761.2	776.1	803.1	840.1	879.6	928.9	978.1	1013.0
50°	692.8	701.5	711.7	723.5	737.6	762.9	796.7	836.8	878.5	916.4	946.2
52.5°	655.0	663.0	673.9	685.0	702.4	723.8	752.6	788.3	829.4	856.5	881.4
55°	599.1	603.0	615.6	626.6	643.2	658.9	688.0	719.5	744.7	765.2	785.7
57.5°	541.9	547.2	554.5	564.4	580.8	599.3	619.7	647.5	662.4	672.9	688.8
60°	505.4	507.0	511.7	523.5	536.1	552.6	576.2	595.9	606.9	615.6	628.9
62.5°	465.0	465.4	473.2	481.9	491.4	509.2	528.4	544.3	553.4	557.6	570.4
65°	408.6	407.0	411.7	418.8	429.8	441.6	458.2	472.3	471.5	476.3	484.1
67.5°	350.8	349.2	349.2	356.0	365.0	375.5	386.9	395.1	395.2	401.5	405.5
70°	311.7	307.0	310.1	315.7	319.6	328.3	340.8	344.1	344.8	347.9	351.8
72.5°	271.5	269.8	272.4	274.8	277.4	284.2	294.9	296.8	296.9	298.8	305.3
75°	215.7	214.1	212.6	214.9	218.0	222.8	226.7	229.8	229.0	229.8	234.6
77.5°	161.7	157.2	156.5	157.7	158.5	161.4	165.5	165.1	165.9	165.8	171.2
80°	128.4	122.0	121.2	121.2	122.0	123.6	125.1	126.7	124.4	126.7	128.4
82.5°	94.3	90.5	90.4	89.8	89.9	90.2	91.2	92.1	91.6	92.7	93.7
85°	51.9	50.4	48.1	49.6	48.8	46.5	48.1	45.6	44.8	45.6	46.5
87.5°	19.6	20.1	18.6	18.5	17.7	18.2	16.7	15.9	14.9	15.3	17.2
90°	9.8	9.2	8.1	7.5	6.4	5.8	4.6	3.4	2.3	1.1	0.6
92.5°	150.4	185.7	188.7	131.5	78.7	47.3	30.4	20.5	13.3	8.5	7.1
95°	499.5	510.4	416.5	257.5	130.8	69.2	43.2	30.5	24.2	19.6	19.0
97.5°	632.0	545.0	371.9	205.5	112.7	71.9	53.2	41.8	35.4	32.2	31.6
100°	664.2	520.2	331.8	186.6	111.8	78.4	61.1	50.1	43.8	41.5	40.3
102.5°	644.8	476.4	301.3	178.8	115.9	86.1	69.4	59.4	52.5	50.7	50.0
105°	583.0	417.7	271.9	175.7	124.4	99.1	82.9	73.7	68.0	65.1	65.1
107.5°	519.9	377.2	259.4	181.0	137.1	112.6	98.1	88.5	83.7	81.0	79.9
110°	483.9	358.3	255.8	186.0	146.3	122.7	107.8	99.1	93.9	91.6	90.5



TEST NUMBER: P333306-840

CATALOG NUMBER: S125DIP-S1270D590U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	457.2	347.3	255.8	192.5	155.1	132.4	117.9	109.3	104.0	102.2	101.1
115°	428.0	335.3	257.5	202.2	168.7	147.4	133.1	124.4	119.3	117.5	116.3
117.5°	410.6	329.4	261.3	213.3	182.9	162.7	148.8	139.0	133.8	131.9	130.2
120°	400.9	326.6	265.0	220.7	193.0	172.8	158.4	148.7	143.4	141.2	139.4
122.5°	392.6	324.4	268.2	228.9	202.7	182.5	168.1	157.3	152.2	150.4	149.1
125°	381.3	321.4	273.7	240.2	215.4	196.4	181.5	170.5	165.3	162.5	161.3
127.5°	371.0	320.0	279.7	250.5	227.7	209.4	194.5	182.9	176.3	172.6	170.9
130°	364.1	319.1	283.5	257.5	235.6	217.7	202.8	190.7	183.2	178.5	176.8
132.5°	358.5	319.1	287.6	263.5	243.0	225.1	210.2	197.6	189.1	183.7	181.5
135°	351.9	319.1	293.2	271.9	252.9	235.0	219.4	207.4	198.1	191.3	188.9
137.5°	346.1	319.8	298.4	278.1	259.9	243.7	227.6	215.8	206.6	200.2	198.4
140°	343.4	320.3	300.7	282.3	265.0	248.3	232.8	221.8	212.6	205.6	203.9
142.5°	341.0	320.7	302.1	284.6	268.2	252.5	237.8	227.3	218.1	211.7	210.4
145°	337.6	320.3	303.6	288.0	273.7	258.6	245.4	235.0	226.9	221.2	220.0
147.5°	334.0	318.8	304.2	290.1	277.1	264.0	252.3	243.3	235.8	230.9	230.1
150°	331.2	317.4	304.2	291.4	279.4	266.7	256.9	248.8	241.4	237.3	236.2
152.5°	328.0	315.6	303.7	292.4	281.7	269.9	261.1	253.5	246.9	243.3	242.7
155°	322.6	312.3	302.5	293.2	284.0	274.2	266.1	260.3	254.6	251.2	251.2
157.5°	317.5	308.7	300.9	293.8	286.0	277.5	271.5	266.4	261.5	258.6	258.7
160°	313.4	306.5	299.5	293.8	286.9	279.4	274.2	269.6	265.6	263.3	263.9
162.5°	309.7	303.7	298.2	293.4	287.8	281.2	277.0	273.3	269.7	267.4	268.0
165°	304.2	299.5	296.1	292.7	288.0	283.5	279.9	277.6	274.8	273.1	274.2
167.5°	298.7	295.5	292.9	291.2	288.0	284.2	282.1	280.4	278.8	277.8	278.3
170°	295.5	293.2	291.4	290.3	288.0	285.2	283.5	282.3	281.1	280.5	281.1
172.5°	292.3	290.4	289.6	289.4	287.6	285.2	284.4	283.7	282.5	282.0	283.0
175°	288.0	287.4	287.4	288.0	286.9	285.2	285.2	285.2	284.6	284.0	285.2
177.5°	286.2	285.7	285.7	286.6	286.2	285.3	285.3	285.7	285.3	285.3	286.2
180°	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7



TEST NUMBER: P333306-840

CATALOG NUMBER: S125DIP-S1270D590U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7
2.5°	1864.7	1873.6	1879.3	1890.0	1898.7	1903.8	1908.2	1912.0	1916.4	1920.2	1930.9
5°	1876.7	1897.1	1914.5	1941.3	1965.7	1984.6	2005.0	2023.2	2038.1	2059.3	2075.9
7.5°	1871.5	1907.8	1946.0	1987.4	2029.7	2069.1	2105.4	2139.2	2169.9	2207.1	2239.6
10°	1866.4	1916.1	1964.9	2020.7	2078.2	2127.1	2172.7	2219.2	2253.0	2300.3	2340.4
12.5°	1862.7	1921.1	1980.0	2047.2	2110.3	2179.3	2240.1	2273.9	2325.4	2363.2	2411.0
15°	1846.8	1924.0	2005.0	2080.6	2170.3	2234.1	2287.6	2353.8	2401.8	2449.8	2501.7
17.5°	1818.3	1905.7	1996.4	2095.4	2181.5	2250.0	2319.0	2382.8	2440.0	2504.5	2569.1
20°	1805.0	1892.5	1996.4	2097.9	2182.1	2253.8	2324.6	2394.7	2457.7	2540.3	2615.1
22.5°	1777.4	1883.0	1978.7	2077.8	2164.5	2242.4	2322.8	2402.3	2486.0	2579.4	2673.0
25°	1728.0	1835.0	1936.5	2034.2	2121.5	2219.2	2304.9	2411.3	2518.3	2641.9	2758.3
27.5°	1676.6	1779.1	1872.2	1966.4	2068.3	2178.9	2290.2	2410.7	2550.9	2706.9	2871.2
30°	1635.1	1731.8	1822.4	1919.2	2025.5	2149.9	2271.9	2415.2	2577.4	2752.9	2948.1
32.5°	1586.5	1675.8	1763.8	1866.3	1982.1	2113.3	2255.5	2412.7	2607.6	2807.0	3008.0
35°	1503.6	1578.3	1668.9	1778.3	1908.9	2059.3	2223.9	2409.6	2633.2	2862.3	3031.5
37.5°	1405.1	1474.8	1570.1	1690.1	1827.1	1988.5	2183.7	2404.2	2641.6	2824.2	2878.8
40°	1339.1	1403.6	1502.8	1627.2	1767.3	1938.1	2152.2	2385.3	2615.1	2731.6	2686.7
42.5°	1268.5	1336.3	1432.9	1556.0	1706.9	1892.8	2112.5	2345.6	2538.3	2582.3	2427.3
45°	1157.2	1227.3	1322.5	1446.9	1609.0	1810.6	2039.6	2251.4	2362.4	2282.9	2042.9
47.5°	1053.8	1119.4	1207.7	1336.1	1503.4	1711.8	1932.5	2101.4	2110.2	1920.5	1664.1
50°	983.2	1043.8	1132.8	1261.1	1427.2	1638.2	1837.3	1970.3	1910.6	1695.7	1449.3
52.5°	913.9	973.3	1061.0	1188.1	1352.3	1545.6	1730.9	1824.3	1711.5	1491.0	1280.5
55°	814.0	866.0	951.7	1069.0	1224.9	1404.4	1561.9	1594.1	1447.6	1230.4	1059.6
57.5°	716.4	764.9	842.9	951.0	1093.5	1252.4	1375.5	1368.7	1213.9	1027.4	891.9
60°	650.3	697.5	766.8	872.2	1002.1	1139.1	1244.6	1219.4	1065.9	905.3	791.1
62.5°	591.1	633.2	698.7	791.0	909.6	1036.4	1123.1	1085.9	935.5	795.1	704.9
65°	503.8	539.3	595.1	673.9	772.2	877.0	943.8	895.9	767.5	658.1	585.7
67.5°	420.5	448.9	495.7	558.6	642.5	726.6	767.4	719.0	616.4	536.5	482.9
70°	367.6	392.8	429.0	484.9	558.2	628.9	659.6	616.4	528.3	459.7	421.1
72.5°	314.8	335.5	367.3	417.6	476.3	537.7	564.6	523.2	450.8	392.9	356.9
75°	243.3	257.4	279.4	314.1	360.5	409.4	424.3	388.1	341.6	298.3	274.8
77.5°	174.1	186.1	202.8	224.7	257.6	288.6	301.6	280.7	244.8	217.4	198.0
80°	133.8	140.2	154.3	172.4	198.3	218.0	226.7	213.4	188.1	167.6	152.7
82.5°	95.4	101.7	110.2	125.1	141.7	155.1	164.4	155.4	137.1	121.1	112.4
85°	46.5	50.4	55.1	61.4	74.0	81.9	81.1	75.5	68.5	62.2	57.5
87.5°	16.6	17.5	19.6	22.9	25.0	27.7	29.2	28.1	25.8	24.0	22.2
90°	1.1	2.3	3.4	4.6	5.8	6.4	7.5	8.1	9.2	9.8	10.4
92.5°	8.5	13.3	20.5	30.4	47.3	78.7	131.5	188.7	185.7	150.4	102.1
95°	19.6	24.2	30.5	43.2	69.2	130.8	257.5	416.5	510.4	499.5	414.1
97.5°	32.2	35.4	41.8	53.2	71.9	112.7	205.5	371.9	545.0	632.0	616.8
100°	41.5	43.8	50.1	61.1	78.4	111.8	186.6	331.8	520.2	664.2	708.5
102.5°	50.7	52.5	59.4	69.4	86.1	115.9	178.8	301.3	476.4	644.8	739.4
105°	65.1	68.0	73.7	82.9	99.1	124.4	175.7	271.9	417.7	583.0	721.2
107.5°	81.0	83.7	88.5	98.1	112.6	137.1	181.0	259.4	377.2	519.9	656.2
110°	91.6	93.9	99.1	107.8	122.7	146.3	186.0	255.8	358.3	483.9	608.3



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	102.2	104.0	109.3	117.9	132.4	155.1	192.5	255.8	347.3	457.2	570.6
115°	117.5	119.3	124.4	133.1	147.4	168.7	202.2	257.5	335.3	428.0	523.0
117.5°	131.9	133.8	139.0	148.8	162.7	182.9	213.3	261.3	329.4	410.6	492.4
120°	141.2	143.4	148.7	158.4	172.8	193.0	220.7	265.0	326.6	400.9	475.8
122.5°	150.4	152.2	157.3	168.1	182.5	202.7	228.9	268.2	324.4	392.6	463.4
125°	162.5	165.3	170.5	181.5	196.4	215.4	240.2	273.7	321.4	381.3	445.2
127.5°	172.6	176.3	182.9	194.5	209.4	227.7	250.5	279.7	320.0	371.0	426.9
130°	178.5	183.2	190.7	202.8	217.7	235.6	257.5	283.5	319.1	364.1	415.4
132.5°	183.7	189.1	197.6	210.2	225.1	243.0	263.5	287.6	319.1	358.5	403.8
135°	191.3	198.1	207.4	219.4	235.0	252.9	271.9	293.2	319.1	351.9	388.8
137.5°	200.2	206.6	215.8	227.6	243.7	259.9	278.1	298.4	319.8	346.1	376.2
140°	205.6	212.6	221.8	232.8	248.3	265.0	282.3	300.7	320.3	343.4	369.2
142.5°	211.7	218.1	227.3	237.8	252.5	268.2	284.6	302.1	320.7	341.0	363.2
145°	221.2	226.9	235.0	245.4	258.6	273.7	288.0	303.6	320.3	337.6	355.5
147.5°	230.9	235.8	243.3	252.3	264.0	277.1	290.1	304.2	318.8	334.0	348.1
150°	237.3	241.4	248.8	256.9	266.7	279.4	291.4	304.2	317.4	331.2	343.9
152.5°	243.3	246.9	253.5	261.1	269.9	281.7	292.4	303.7	315.6	328.0	339.3
155°	251.2	254.6	260.3	266.1	274.2	284.0	293.2	302.5	312.3	322.6	332.3
157.5°	258.6	261.5	266.4	271.5	277.5	286.0	293.8	300.9	308.7	317.5	325.5
160°	263.3	265.6	269.6	274.2	279.4	286.9	293.8	299.5	306.5	313.4	320.8
162.5°	267.4	269.7	273.3	277.0	281.2	287.8	293.4	298.2	303.7	309.7	315.8
165°	273.1	274.8	277.6	279.9	283.5	288.0	292.7	296.1	299.5	304.2	308.7
167.5°	277.8	278.8	280.4	282.1	284.2	288.0	291.2	292.9	295.5	298.7	302.1
170°	280.5	281.1	282.3	283.5	285.2	288.0	290.3	291.4	293.2	295.5	298.4
172.5°	282.0	282.5	283.7	284.4	285.2	287.6	289.4	289.6	290.4	292.3	294.3
175°	284.0	284.6	285.2	285.2	285.2	286.9	288.0	287.4	287.4	288.0	289.7
177.5°	285.3	285.3	285.7	285.3	285.3	286.2	286.6	285.7	285.7	286.2	286.6
180°	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7
2.5°	1939.6	1944.7	1955.4	1951.7	1956.7	1959.2	1961.8
5°	2096.4	2121.5	2132.5	2131.0	2147.5	2143.5	2139.6
7.5°	2273.3	2299.8	2314.6	2333.0	2343.7	2344.5	2353.8
10°	2373.5	2408.1	2422.3	2442.0	2454.6	2461.6	2460.8
12.5°	2450.2	2477.4	2509.1	2518.8	2535.8	2544.8	2541.4
15°	2542.7	2586.0	2619.1	2635.5	2656.9	2663.1	2671.8
17.5°	2625.2	2683.3	2721.9	2773.2	2792.6	2804.4	2797.4
20°	2687.6	2763.9	2802.5	2863.9	2897.7	2915.9	2909.5
22.5°	2761.3	2843.9	2915.2	2968.4	3019.9	3044.3	3049.4
25°	2887.5	3000.8	3105.5	3175.6	3239.3	3254.3	3287.4
27.5°	3028.6	3162.2	3274.2	3347.9	3392.2	3408.9	3419.3
30°	3117.4	3250.4	3334.7	3381.8	3396.1	3394.5	3392.8
32.5°	3160.8	3244.1	3260.3	3247.1	3214.7	3187.2	3158.7
35°	3099.3	3037.1	2944.2	2824.5	2736.3	2647.4	2638.8
37.5°	2787.3	2588.5	2433.9	2261.2	2161.5	2100.0	2057.5
40°	2493.9	2268.0	2080.6	1935.0	1833.4	1793.3	1753.9
42.5°	2175.2	1959.3	1793.4	1671.7	1595.4	1550.8	1519.6
45°	1767.3	1576.8	1446.9	1358.8	1298.1	1263.4	1243.7
47.5°	1448.1	1307.3	1196.9	1133.3	1091.4	1064.5	1064.6
50°	1276.9	1142.3	1069.0	1018.7	982.4	961.2	965.1
52.5°	1125.1	1024.5	962.0	919.8	893.0	879.9	879.5
55°	940.7	868.3	827.4	796.7	778.5	763.6	766.8
57.5°	804.7	743.6	716.2	690.7	678.1	672.2	663.5
60°	720.3	673.1	649.4	628.9	616.4	611.7	603.0
62.5°	645.4	608.2	585.2	568.6	557.1	555.6	548.9
65°	542.4	514.0	493.6	485.7	473.9	470.8	470.8
67.5°	447.2	426.9	410.9	403.6	398.5	399.3	395.5
70°	387.3	370.8	360.5	352.6	348.7	349.5	346.4
72.5°	338.8	320.4	311.4	306.7	301.5	303.6	302.3
75°	256.6	247.2	242.5	237.7	234.6	233.0	231.5
77.5°	188.4	180.2	176.5	173.8	174.3	170.5	173.5
80°	145.6	138.6	136.2	132.3	131.5	131.5	130.7
82.5°	106.5	102.6	100.9	97.7	96.2	97.5	95.4
85°	55.1	51.9	51.2	51.2	49.6	48.1	51.9
87.5°	22.3	19.9	20.2	19.5	19.5	19.0	17.8
90°	10.9	11.5	12.6	12.6	12.6	13.2	13.2
92.5°	74.1	55.7	47.3	39.9	38.5	37.7	36.8
95°	326.6	255.8	207.4	166.5	149.2	144.6	135.4
97.5°	555.4	486.5	419.1	383.5	351.2	334.6	327.2
100°	680.3	621.0	561.1	521.3	479.9	458.6	449.3
102.5°	756.8	728.3	687.8	645.3	615.8	592.7	585.7
105°	800.1	825.5	819.1	800.7	781.7	770.2	763.3
107.5°	761.5	826.7	856.7	866.1	866.0	862.1	857.5
110°	717.8	799.0	848.0	873.8	884.8	888.9	888.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	674.5	756.6	814.4	852.2	871.0	881.0	885.1
115°	612.4	691.3	754.1	799.0	826.7	842.7	850.3
117.5°	569.4	637.3	695.0	739.9	768.5	784.5	789.1
120°	544.9	608.3	659.0	701.7	729.3	744.9	749.4
122.5°	527.5	583.9	631.4	669.3	694.7	710.2	714.4
125°	504.0	554.2	595.6	627.9	651.6	664.2	669.9
127.5°	481.7	528.5	567.3	596.5	617.4	629.3	632.0
130°	466.1	511.0	548.4	577.2	596.2	607.7	611.2
132.5°	451.3	492.1	528.2	556.9	575.9	586.5	590.5
135°	428.6	465.4	498.3	523.6	542.6	553.0	556.4
137.5°	408.3	439.0	466.9	489.5	506.9	516.3	520.2
140°	396.4	422.8	447.1	468.4	483.3	491.9	494.8
142.5°	386.2	409.0	430.0	448.1	460.7	468.9	471.3
145°	373.2	391.1	406.7	420.5	430.3	436.7	439.0
147.5°	362.5	376.3	388.0	399.0	406.8	410.5	411.5
150°	356.6	367.5	377.9	386.6	393.4	395.8	396.4
152.5°	350.6	360.6	368.7	376.0	381.4	383.7	384.4
155°	341.6	349.6	356.0	361.7	365.8	367.5	368.1
157.5°	333.1	339.3	344.3	348.7	352.0	353.7	353.6
160°	326.6	332.3	336.4	340.4	343.4	344.5	343.9
162.5°	321.1	325.9	329.5	332.6	335.1	335.3	335.2
165°	312.8	316.3	319.1	321.4	322.6	322.6	322.6
167.5°	304.8	307.4	309.4	310.6	311.6	311.1	311.0
170°	300.1	301.8	303.0	304.2	304.8	304.8	304.2
172.5°	296.0	297.2	297.9	298.2	299.2	298.3	297.7
175°	289.7	290.9	290.9	290.9	291.4	290.3	289.7
177.5°	287.1	287.1	287.1	286.6	287.1	285.7	285.7
180°	285.7	285.7	285.7	285.7	285.7	285.7	285.7

(END OF REPORT)