

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: P333461

Luminaire Tested: **S125DIW-S1270D470U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333461
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIW-S1270D470U835-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 470 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6808.9 lumens
Efficiency: N/A
Efficacy: 129.9 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

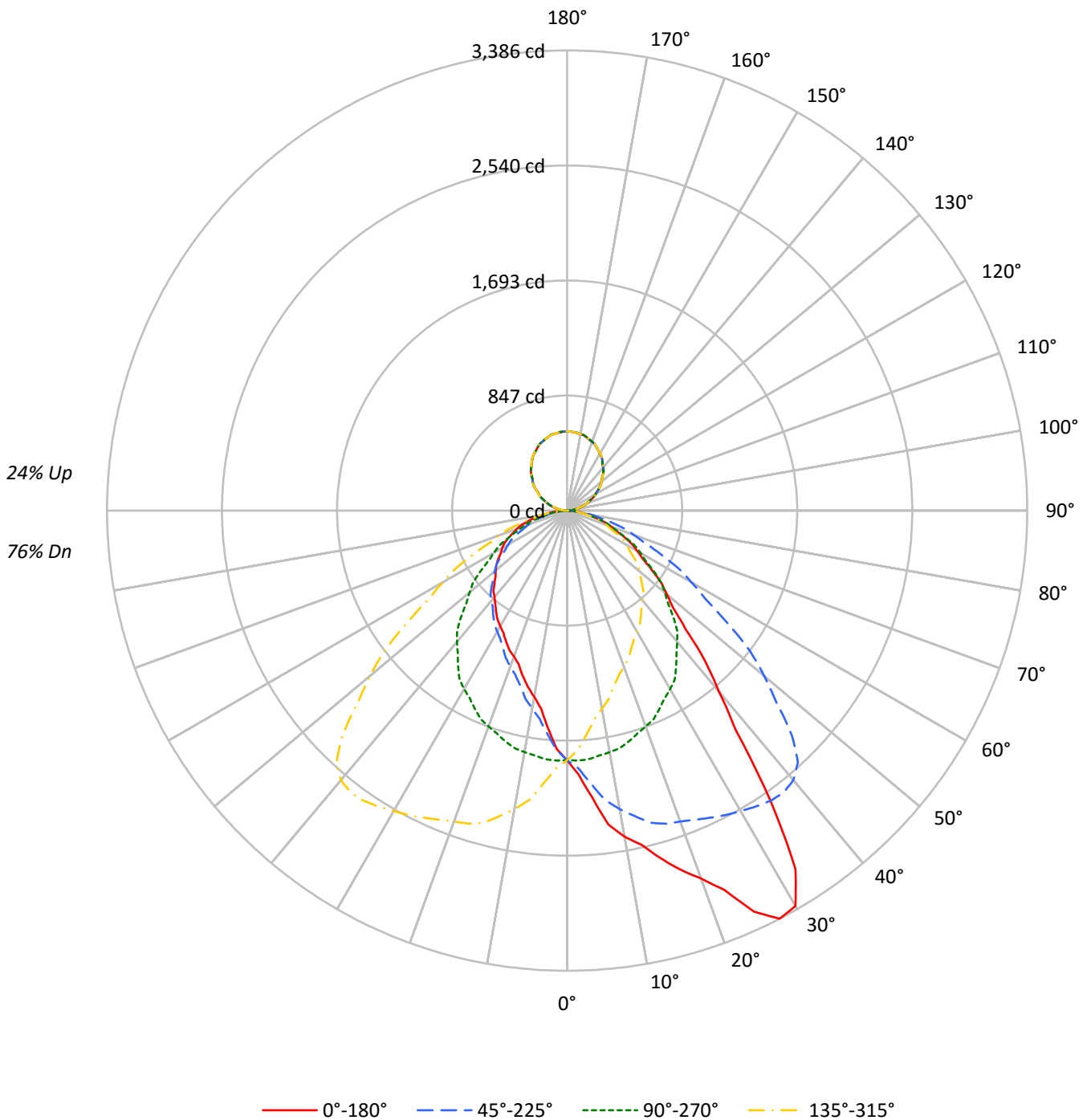
Input Watts (W): 52.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	50	30	10	0		
RCR																										
0	113	113	113	113	108	108	108	108	98	98	98	89	89	89	80	80	80	80	80	80	80	80	80	76		
1	104	100	96	92	99	95	92	88	87	84	81	79	77	75	71	70	68	68	68	68	68	68	68	65		
2	95	87	81	76	90	84	78	73	76	72	68	69	66	63	63	61	58	58	58	58	58	58	58	55		
3	87	77	70	64	82	74	67	62	68	62	57	62	57	54	56	53	50	50	50	50	50	50	50	47		
4	80	69	60	54	76	66	58	53	60	54	49	55	50	46	50	46	43	43	43	43	43	43	43	40		
5	73	61	53	47	70	59	51	45	54	48	43	50	44	40	46	41	38	38	38	38	38	38	38	35		
6	68	55	47	41	64	53	45	40	49	42	38	45	40	35	41	37	33	33	33	33	33	33	33	31		
7	63	50	42	36	60	48	40	35	44	38	33	41	36	31	38	33	30	30	30	30	30	30	30	27		
8	58	46	38	32	56	44	36	31	41	34	30	38	32	28	35	30	27	27	27	27	27	27	27	24		
9	54	42	34	29	52	40	33	28	37	31	27	35	29	25	32	27	24	24	24	24	24	24	24	22		
10	51	38	31	26	49	37	30	25	34	28	24	32	27	23	30	25	22	22	22	22	22	22	22	20		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11861	11861	11861	11861
5°	13736	11902	10421	11902
10°	15980	11840	9130	11840
15°	17690	11753	8423	11753
20°	19801	11615	7854	11615
25°	23197	11460	7577	11460
30°	25055	11307	7337	11307
35°	20601	11020	7179	11020
40°	14643	10620	7006	10620
45°	11249	10082	6906	10082
50°	9602	9414	6893	9414
55°	8550	8760	6952	8760
60°	7713	8045	7129	8045
65°	7124	7326	7314	7326
70°	6477	6579	7419	6579
75°	5719	5797	7354	5797
80°	4813	4727	6724	4727
85°	3809	3409	5432	3409



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.8	2.6
10°-20°	526.4	7.7
20°-30°	854.8	12.6
30°-40°	1042.7	15.3
40°-50°	948.5	13.9
50°-60°	755.5	11.1
60°-70°	526.2	7.7
70°-80°	280.6	4.1
80°-90°	72.1	1.1
90°-100°	39.0	0.6
100°-110°	115.2	1.7
110°-120°	195.1	2.9
120°-130°	256.8	3.8
130°-140°	287.7	4.2
140°-150°	282.0	4.1
150°-160°	236.9	3.5
160°-170°	157.4	2.3
170°-180°	55.1	0.8
0°-30°	1558.0	22.9
0°-40°	2600.7	38.2
0°-60°	4304.7	63.2
0°-90°	5183.7	76.1
90°-120°	349.3	5.1
90°-150°	1175.8	17.3
90°-180°	1625.0	23.9
0°-180°	6808.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1837	1837	1837	1837	1837	
5°	2119	1836	1607	1836	2119	214
15°	2646	1758	1260	1758	2646	757
25°	3255	1608	1063	1608	3255	1487
35°	2613	1398	910	1398	2613	1599
45°	1232	1104	756	1104	1232	986
55°	759	778	617	778	759	684
65°	466	479	479	479	466	463
75°	229	232	295	232	229	247
85°	51	46	73	46	51	60
90°	11	0	11	0	11	8
95°	39	30	39	30	39	40
105°	112	103	112	103	112	119
115°	197	195	197	195	197	195
125°	287	285	287	285	287	256
135°	372	371	372	371	372	287
145°	451	449	451	449	451	282
155°	514	514	514	514	514	237
165°	558	559	558	559	558	157
175°	579	581	579	581	579	55
180°	582	582	582	582	582	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1942.6	1940.1	1937.6	1932.6	1936.3	1925.7	1920.7	1912.0	1901.4	1897.7	1893.3
5°	2118.7	2122.6	2126.5	2110.2	2111.7	2100.8	2075.9	2055.6	2039.2	2018.2	2003.4
7.5°	2330.8	2321.6	2320.8	2310.2	2292.0	2277.3	2251.1	2217.7	2185.5	2148.7	2118.3
10°	2436.8	2437.6	2430.6	2418.1	2398.6	2384.6	2350.3	2317.5	2277.8	2231.0	2197.5
12.5°	2516.6	2519.9	2511.0	2494.2	2484.6	2453.2	2426.3	2387.4	2340.1	2302.7	2251.7
15°	2645.7	2637.1	2630.9	2609.8	2593.5	2560.7	2517.9	2477.3	2425.9	2378.3	2330.8
17.5°	2770.1	2777.0	2765.3	2746.1	2695.3	2657.1	2599.6	2544.0	2480.0	2416.2	2359.5
20°	2881.1	2887.4	2869.4	2835.9	2775.1	2736.9	2661.3	2589.6	2515.5	2433.7	2371.3
22.5°	3019.6	3014.6	2990.4	2939.4	2886.7	2816.1	2734.3	2646.9	2554.2	2461.7	2378.8
25°	3255.3	3222.5	3207.7	3144.6	3075.2	2971.5	2859.3	2731.4	2616.1	2493.7	2387.7
27.5°	3385.9	3375.6	3359.1	3315.2	3242.2	3131.3	2999.0	2843.2	2680.5	2526.0	2387.2
30°	3359.7	3361.3	3362.9	3348.8	3302.1	3218.6	3086.9	2919.3	2726.0	2552.2	2391.6
32.5°	3127.8	3156.1	3183.3	3215.4	3228.5	3212.4	3129.9	2978.6	2779.6	2582.1	2389.1
35°	2613.0	2621.5	2709.6	2796.9	2915.4	3007.4	3069.0	3001.9	2834.3	2607.5	2386.1
37.5°	2037.4	2079.5	2140.4	2239.1	2410.1	2563.2	2760.1	2850.7	2796.6	2615.8	2380.7
40°	1736.8	1775.8	1815.5	1916.1	2060.3	2245.8	2469.5	2660.5	2704.9	2589.6	2362.0
42.5°	1504.8	1535.7	1579.8	1655.4	1775.9	1940.2	2154.0	2403.6	2557.1	2513.5	2322.7
45°	1231.6	1251.1	1285.4	1345.5	1432.8	1561.4	1750.0	2022.9	2260.6	2339.3	2229.4
47.5°	1054.2	1054.1	1080.7	1122.2	1185.2	1294.5	1434.0	1647.8	1901.7	2089.6	2080.9
50°	955.7	951.8	972.8	1008.7	1058.6	1131.1	1264.4	1435.1	1679.1	1891.9	1951.1
52.5°	870.9	871.3	884.3	910.8	952.6	1014.5	1114.1	1268.0	1476.4	1694.8	1806.5
55°	759.3	756.1	770.9	788.9	819.3	859.8	931.5	1049.2	1218.4	1433.5	1578.5
57.5°	657.0	665.6	671.5	684.0	709.2	736.3	796.8	883.2	1017.4	1202.0	1355.3
60°	597.1	605.7	610.4	622.8	643.1	666.5	713.3	783.4	896.5	1055.5	1207.5
62.5°	543.5	550.2	551.7	563.0	579.5	602.3	639.1	698.0	787.3	926.4	1075.3
65°	466.2	466.2	469.3	481.0	488.8	509.0	537.1	580.0	651.7	760.0	887.1
67.5°	391.6	395.4	394.6	399.7	406.9	422.7	442.8	478.2	531.3	610.4	712.0
70°	343.0	346.1	345.3	349.2	357.0	367.2	383.5	417.0	455.2	523.1	610.4
72.5°	299.3	300.6	298.6	303.7	308.4	317.3	335.5	353.4	389.1	446.4	518.1
75°	229.2	230.7	232.3	235.4	240.1	244.8	254.1	272.1	295.4	338.3	384.3
77.5°	171.8	168.8	172.6	172.1	174.8	178.4	186.6	196.1	215.3	242.4	278.0
80°	129.4	130.2	130.2	131.0	134.9	137.2	144.2	151.2	166.0	186.3	211.3
82.5°	94.5	96.5	95.3	96.7	99.9	101.6	105.5	111.3	119.9	135.8	153.9
85°	51.4	47.6	49.1	50.7	50.7	51.4	54.6	56.9	61.6	67.8	74.8
87.5°	17.1	18.3	18.9	18.8	19.4	19.3	21.7	21.6	23.4	25.1	27.5
90°	10.9	10.6	10.3	10.0	9.7	9.3	8.8	8.3	7.8	7.3	6.5
92.5°	21.4	21.2	20.9	20.7	20.5	20.1	19.4	18.7	18.1	17.4	16.5
95°	39.0	38.8	38.6	38.4	38.2	37.7	37.0	36.3	35.6	34.9	33.9
97.5°	59.1	59.0	58.9	58.7	58.6	58.2	57.6	56.9	56.2	55.6	54.2
100°	74.3	74.1	73.9	73.7	73.5	73.0	72.1	71.2	70.3	69.3	68.0
102.5°	89.6	89.3	89.0	88.7	88.4	87.8	86.8	85.8	84.8	83.8	83.2
105°	112.4	112.1	111.8	111.5	111.2	110.7	110.1	109.5	108.9	108.3	107.7
107.5°	135.8	135.8	135.8	135.9	135.9	135.7	135.4	135.1	134.8	134.5	134.1
110°	153.2	153.3	153.4	153.5	153.6	153.5	153.2	152.9	152.6	152.3	152.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	170.2	170.4	170.6	170.8	171.0	171.0	170.8	170.7	170.6	170.4	170.0
115°	197.2	197.3	197.4	197.5	197.6	197.7	197.8	197.9	198.0	198.1	197.9
117.5°	223.4	223.8	224.3	224.7	225.1	225.2	225.1	225.1	225.0	224.9	224.7
120°	241.6	242.0	242.4	242.8	243.2	243.4	243.4	243.4	243.4	243.4	243.3
122.5°	259.7	260.0	260.4	260.7	261.0	261.2	261.3	261.4	261.4	261.5	261.3
125°	286.9	287.0	287.1	287.2	287.3	287.5	287.7	287.9	288.1	288.3	288.2
127.5°	313.0	313.2	313.4	313.6	313.8	314.0	314.1	314.2	314.3	314.4	314.2
130°	330.4	330.6	330.8	331.0	331.2	331.4	331.5	331.6	331.7	331.8	331.6
132.5°	346.7	347.0	347.3	347.6	347.9	348.0	348.1	348.2	348.3	348.4	348.5
135°	372.1	372.5	372.9	373.3	373.7	373.9	373.9	373.9	373.9	373.9	373.8
137.5°	396.9	397.4	398.0	398.5	399.0	399.2	399.0	398.9	398.8	398.7	398.4
140°	412.9	413.4	413.9	414.4	414.9	415.1	414.9	414.7	414.5	414.3	414.0
142.5°	428.1	428.6	429.1	429.6	430.1	430.3	430.2	430.1	430.0	429.9	429.5
145°	451.0	451.3	451.6	451.9	452.2	452.3	452.3	452.3	452.3	452.3	452.0
147.5°	470.5	471.1	471.8	472.5	473.2	473.4	473.2	472.9	472.7	472.5	472.2
150°	485.0	485.2	485.4	485.6	485.8	485.9	485.9	485.9	485.9	485.9	485.5
152.5°	496.9	497.3	497.7	498.0	498.4	498.4	498.2	498.0	497.7	497.5	497.3
155°	514.0	514.5	515.0	515.5	516.0	516.0	515.6	515.2	514.8	514.4	514.3
157.5°	528.2	528.9	529.5	530.2	530.9	531.0	530.6	530.2	529.8	529.4	529.3
160°	538.0	538.5	539.0	539.5	540.0	540.1	539.7	539.3	538.9	538.4	538.3
162.5°	546.3	546.9	547.5	548.1	548.7	548.7	548.2	547.8	547.3	546.8	546.8
165°	557.5	558.1	558.7	559.3	559.9	560.0	559.6	559.2	558.8	558.4	558.3
167.5°	566.4	567.0	567.6	568.2	568.9	568.9	568.3	567.7	567.1	566.5	566.5
170°	571.1	571.8	572.5	573.2	573.9	574.0	573.3	572.7	572.1	571.5	571.5
172.5°	575.1	575.7	576.3	576.9	577.6	577.6	577.0	576.4	575.8	575.2	575.2
175°	578.8	579.5	580.2	580.9	581.6	581.7	581.1	580.4	579.8	579.2	579.2
177.5°	581.0	581.5	582.1	582.7	583.2	583.3	582.8	582.3	581.8	581.3	581.4
180°	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1889.6	1885.2	1880.2	1871.5	1860.9	1855.3	1846.5	1840.9	1829.7	1820.3	1810.4
5°	1985.4	1965.2	1946.5	1922.3	1895.8	1878.6	1858.4	1835.8	1812.4	1788.2	1761.7
7.5°	2084.8	2048.9	2009.9	1968.0	1927.0	1889.2	1853.2	1817.8	1784.8	1744.9	1711.1
10°	2151.5	2106.3	2057.9	2001.0	1945.7	1897.4	1848.2	1805.4	1761.7	1714.9	1673.6
12.5°	2218.2	2158.0	2089.7	2027.2	1960.7	1902.3	1844.5	1789.8	1734.9	1683.1	1635.0
15°	2265.3	2212.3	2149.1	2060.3	1985.4	1905.2	1828.8	1757.8	1691.6	1633.9	1573.1
17.5°	2296.3	2228.0	2160.2	2074.9	1976.9	1887.1	1800.5	1719.3	1644.6	1571.5	1512.9
20°	2301.9	2231.8	2160.8	2077.4	1976.9	1874.0	1787.4	1690.0	1609.7	1534.1	1462.4
22.5°	2300.1	2220.5	2143.4	2057.5	1959.4	1864.6	1760.0	1660.7	1573.5	1499.2	1424.3
25°	2282.4	2197.5	2100.8	2014.3	1917.6	1817.1	1711.1	1608.2	1519.3	1434.3	1360.3
27.5°	2267.8	2157.6	2048.1	1947.2	1853.9	1761.7	1660.2	1554.8	1456.3	1370.2	1300.4
30°	2249.7	2128.9	2005.7	1900.5	1804.6	1714.9	1619.1	1516.2	1413.3	1329.1	1254.3
32.5°	2233.5	2092.7	1962.7	1848.1	1746.6	1659.4	1571.0	1473.1	1372.1	1286.7	1211.8
35°	2202.2	2039.2	1890.3	1760.9	1652.6	1562.9	1488.9	1397.7	1304.9	1222.3	1150.6
37.5°	2162.4	1969.1	1809.3	1673.6	1554.8	1460.4	1391.4	1321.4	1232.4	1152.8	1087.9
40°	2131.2	1919.2	1750.0	1611.3	1488.1	1389.9	1326.0	1259.7	1185.7	1111.6	1043.0
42.5°	2091.9	1874.3	1690.2	1540.8	1418.9	1323.2	1256.1	1199.8	1134.5	1065.5	1001.8
45°	2019.7	1792.9	1593.3	1432.8	1309.6	1215.3	1145.9	1103.8	1054.7	989.2	935.4
47.5°	1913.6	1695.1	1488.7	1323.0	1195.9	1108.5	1043.5	1003.1	968.5	919.8	871.0
50°	1819.4	1622.2	1413.3	1248.8	1121.7	1033.6	973.6	937.0	907.4	869.9	828.6
52.5°	1714.0	1530.5	1339.1	1176.5	1050.6	963.8	905.0	872.8	848.1	821.3	780.6
55°	1546.6	1390.7	1212.9	1058.6	942.4	857.5	806.0	778.0	757.7	737.4	712.5
57.5°	1362.1	1240.2	1082.8	941.7	834.7	757.4	709.4	682.1	666.3	655.9	641.2
60°	1232.4	1128.0	992.3	863.7	759.3	690.7	643.9	622.8	609.6	601.0	590.1
62.5°	1112.1	1026.3	900.7	783.3	691.9	627.0	585.3	564.8	552.2	548.0	539.0
65°	934.6	868.4	764.7	667.3	589.3	534.0	498.9	479.4	471.6	466.9	467.7
67.5°	759.9	719.5	636.2	553.1	490.9	444.5	416.4	401.5	397.6	391.3	391.2
70°	653.2	622.8	552.7	480.2	424.8	389.0	364.0	348.4	344.5	341.4	340.7
72.5°	559.1	532.4	471.6	413.5	363.7	332.2	311.7	302.3	295.9	294.0	293.9
75°	420.2	405.4	357.0	311.0	276.7	254.9	240.9	232.3	227.6	226.8	227.6
77.5°	298.7	285.8	255.1	222.5	200.8	184.3	172.4	169.5	164.2	164.3	163.5
80°	224.5	215.9	196.4	170.7	152.8	138.8	132.5	127.1	125.5	123.2	125.5
82.5°	162.8	153.6	140.3	123.9	109.1	100.7	94.5	92.8	91.8	90.7	91.2
85°	80.3	81.1	73.3	60.8	54.6	49.9	46.0	46.0	45.2	44.4	45.2
87.5°	28.6	27.2	24.6	22.6	19.3	17.3	16.5	16.9	15.2	14.8	15.5
90°	5.8	5.1	4.4	3.7	2.9	2.1	1.3	0.5	1.3	2.1	2.9
92.5°	15.7	14.8	13.9	13.2	12.7	12.1	11.5	11.0	11.5	12.1	12.7
95°	32.9	31.9	30.9	30.3	30.1	29.9	29.7	29.5	29.7	29.9	30.1
97.5°	52.8	51.4	50.0	49.3	49.2	49.1	49.0	48.9	49.0	49.1	49.2
100°	66.7	65.4	64.1	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
102.5°	82.5	81.9	81.2	80.7	80.3	79.9	79.4	79.0	79.4	79.9	80.3
105°	107.1	106.5	105.9	105.4	104.8	104.3	103.8	103.3	103.8	104.3	104.8
107.5°	133.6	133.1	132.7	132.2	131.7	131.2	130.7	130.2	130.7	131.2	131.7
110°	151.7	151.4	151.1	150.7	150.2	149.7	149.2	148.7	149.2	149.7	150.2



TEST NUMBER: P333461

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	169.7	169.3	168.9	168.6	168.3	168.0	167.8	167.5	167.8	168.0	168.3
115°	197.7	197.5	197.3	197.0	196.6	196.2	195.7	195.3	195.7	196.2	196.6
117.5°	224.5	224.4	224.2	224.0	223.8	223.6	223.4	223.3	223.4	223.6	223.8
120°	243.2	243.1	243.0	242.7	242.2	241.7	241.2	240.7	241.2	241.7	242.2
122.5°	261.0	260.7	260.5	260.2	260.1	259.9	259.7	259.5	259.7	259.9	260.1
125°	288.1	288.0	287.9	287.5	286.9	286.3	285.7	285.1	285.7	286.3	286.9
127.5°	314.1	314.0	313.9	313.7	313.3	313.0	312.6	312.3	312.6	313.0	313.3
130°	331.4	331.2	331.0	330.6	330.1	329.6	329.1	328.6	329.1	329.6	330.1
132.5°	348.5	348.6	348.6	348.2	347.4	346.6	345.7	344.9	345.7	346.6	347.4
135°	373.7	373.6	373.5	373.2	372.6	372.0	371.4	370.7	371.4	372.0	372.6
137.5°	398.2	398.0	397.8	397.4	396.8	396.2	395.6	395.0	395.6	396.2	396.8
140°	413.7	413.4	413.1	412.6	412.1	411.6	411.1	410.6	411.1	411.6	412.1
142.5°	429.1	428.7	428.3	427.9	427.5	427.1	426.6	426.2	426.6	427.1	427.5
145°	451.7	451.4	451.1	450.8	450.4	450.0	449.6	449.2	449.6	450.0	450.4
147.5°	472.0	471.7	471.5	471.3	471.0	470.8	470.6	470.4	470.6	470.8	471.0
150°	485.1	484.7	484.3	484.1	484.2	484.3	484.4	484.5	484.4	484.3	484.2
152.5°	497.2	497.0	496.8	496.7	496.5	496.4	496.3	496.1	496.3	496.4	496.5
155°	514.2	514.1	514.0	514.0	514.0	514.0	514.0	514.0	514.0	514.0	514.0
157.5°	529.2	529.1	529.0	529.0	529.3	529.5	529.7	529.9	529.7	529.5	529.3
160°	538.2	538.1	538.0	538.1	538.4	538.7	539.1	539.4	539.1	538.7	538.4
162.5°	546.7	546.7	546.7	546.8	547.0	547.3	547.5	547.7	547.5	547.3	547.0
165°	558.2	558.1	558.0	558.0	558.2	558.4	558.6	558.8	558.6	558.4	558.2
167.5°	566.5	566.5	566.5	566.7	567.1	567.5	567.9	568.3	567.9	567.5	567.1
170°	571.5	571.5	571.5	571.7	572.1	572.5	572.9	573.3	572.9	572.5	572.1
172.5°	575.2	575.2	575.2	575.4	575.8	576.2	576.6	577.0	576.6	576.2	575.8
175°	579.2	579.2	579.2	579.4	579.8	580.2	580.6	581.1	580.6	580.2	579.8
177.5°	581.5	581.6	581.6	581.8	582.2	582.5	582.8	583.1	582.8	582.5	582.2
180°	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4



TEST NUMBER: P333461

CATALOG NUMBER: S125DIW-S1270D470U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1804.7	1797.9	1792.3	1779.8	1772.9	1763.6	1756.1	1764.2	1755.5	1759.2	1753.6
5°	1748.5	1726.6	1711.1	1688.4	1669.0	1651.0	1637.8	1635.4	1629.2	1626.1	1616.7
7.5°	1680.8	1653.5	1626.7	1597.1	1572.1	1546.7	1530.5	1517.1	1508.2	1496.5	1488.6
10°	1640.9	1604.3	1573.1	1537.2	1506.0	1478.8	1456.9	1446.0	1435.9	1421.1	1415.6
12.5°	1591.6	1553.7	1515.7	1477.4	1447.4	1417.0	1398.3	1381.8	1374.8	1358.1	1356.4
15°	1532.5	1475.6	1438.2	1399.2	1357.9	1333.0	1317.4	1299.5	1291.7	1280.0	1271.4
17.5°	1462.1	1411.2	1364.5	1324.1	1288.7	1267.7	1248.3	1236.0	1222.6	1215.0	1200.9
20°	1410.9	1362.6	1315.8	1273.0	1245.7	1221.5	1205.9	1194.2	1180.2	1176.3	1162.3
22.5°	1367.9	1314.6	1269.7	1233.7	1203.9	1176.6	1159.8	1151.8	1142.2	1130.2	1127.3
25°	1297.9	1242.6	1204.4	1168.5	1142.0	1117.1	1105.4	1095.2	1085.9	1077.3	1074.2
27.5°	1237.4	1188.0	1142.6	1110.2	1087.1	1064.4	1054.1	1041.8	1034.9	1028.0	1019.6
30°	1195.0	1144.3	1104.6	1073.4	1048.5	1028.2	1017.3	1008.7	1002.5	996.2	991.6
32.5°	1151.4	1104.4	1065.9	1035.4	1010.4	995.1	985.5	979.4	972.5	965.0	959.1
35°	1093.7	1042.2	1004.8	978.3	958.8	947.1	936.2	930.7	923.0	923.0	916.7
37.5°	1028.7	984.2	951.2	927.0	909.5	899.1	887.3	883.5	878.5	875.2	873.1
40°	990.0	948.7	917.5	893.3	874.6	866.0	856.7	850.5	847.3	843.4	841.9
42.5°	950.1	910.6	880.7	858.4	842.2	834.9	826.1	821.8	815.5	810.4	809.5
45°	889.4	851.2	824.0	806.0	792.0	783.4	778.0	768.6	765.5	759.3	758.5
47.5°	831.9	795.3	768.5	753.8	741.5	734.5	725.9	716.5	713.0	709.8	709.5
50°	788.9	755.4	730.4	716.4	704.7	694.6	686.0	679.7	677.4	677.4	679.0
52.5°	745.2	716.7	695.5	678.3	667.3	656.5	648.6	644.8	641.2	645.0	647.8
55°	681.3	652.5	636.9	620.5	609.6	597.1	593.2	591.7	589.3	595.6	598.7
57.5°	613.6	593.4	575.1	558.9	549.1	541.9	536.6	535.7	540.1	543.0	553.1
60°	570.6	547.2	530.9	518.4	506.7	502.0	500.5	498.9	502.0	510.6	523.8
62.5°	523.2	504.2	486.6	477.2	468.6	460.9	460.5	461.5	467.7	477.5	490.8
65°	453.7	437.3	425.6	414.7	407.7	403.0	404.6	407.7	414.7	428.0	442.8
67.5°	383.1	371.8	361.4	352.5	345.8	345.8	347.4	352.0	360.3	375.6	389.1
70°	337.5	325.1	316.5	312.6	307.1	304.0	308.7	316.5	323.5	337.5	349.2
72.5°	292.0	281.4	274.7	272.1	269.7	267.2	268.8	277.2	286.7	300.7	314.3
75°	224.5	220.6	215.9	212.8	210.5	212.0	213.6	221.4	229.2	244.0	259.6
77.5°	163.9	159.8	157.0	156.2	155.0	155.7	160.1	165.9	173.5	184.3	196.1
80°	123.9	122.4	120.8	120.0	120.0	120.8	127.1	131.0	138.0	148.1	157.5
82.5°	90.3	89.3	89.0	88.9	89.5	89.6	93.4	98.5	104.3	111.9	120.0
85°	47.6	46.0	48.3	49.1	47.6	49.9	51.4	54.6	56.9	60.8	64.7
87.5°	16.3	17.7	17.2	18.0	18.1	19.5	19.0	21.6	23.0	24.3	23.8
90°	3.7	4.4	5.1	5.8	6.5	7.3	7.8	8.3	8.8	9.3	9.7
92.5°	13.2	13.9	14.8	15.7	16.5	17.4	18.1	18.7	19.4	20.1	20.5
95°	30.3	30.9	31.9	32.9	33.9	34.9	35.6	36.3	37.0	37.7	38.2
97.5°	49.3	50.0	51.4	52.8	54.2	55.6	56.2	56.9	57.6	58.2	58.6
100°	63.5	64.1	65.4	66.7	68.0	69.3	70.3	71.2	72.1	73.0	73.5
102.5°	80.7	81.2	81.9	82.5	83.2	83.8	84.8	85.8	86.8	87.8	88.4
105°	105.4	105.9	106.5	107.1	107.7	108.3	108.9	109.5	110.1	110.7	111.2
107.5°	132.2	132.7	133.1	133.6	134.1	134.5	134.8	135.1	135.4	135.7	135.9
110°	150.7	151.1	151.4	151.7	152.0	152.3	152.6	152.9	153.2	153.5	153.6



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	168.6	168.9	169.3	169.7	170.0	170.4	170.6	170.7	170.8	171.0	171.0
115°	197.0	197.3	197.5	197.7	197.9	198.1	198.0	197.9	197.8	197.7	197.6
117.5°	224.0	224.2	224.4	224.5	224.7	224.9	225.0	225.1	225.1	225.2	225.1
120°	242.7	243.0	243.1	243.2	243.3	243.4	243.4	243.4	243.4	243.4	243.2
122.5°	260.2	260.5	260.7	261.0	261.3	261.5	261.4	261.4	261.3	261.2	261.0
125°	287.5	287.9	288.0	288.1	288.2	288.3	288.1	287.9	287.7	287.5	287.3
127.5°	313.7	313.9	314.0	314.1	314.2	314.4	314.3	314.2	314.1	314.0	313.8
130°	330.6	331.0	331.2	331.4	331.6	331.8	331.7	331.6	331.5	331.4	331.2
132.5°	348.2	348.6	348.6	348.5	348.5	348.4	348.3	348.2	348.1	348.0	347.9
135°	373.2	373.5	373.6	373.7	373.8	373.9	373.9	373.9	373.9	373.9	373.7
137.5°	397.4	397.8	398.0	398.2	398.4	398.7	398.8	398.9	399.0	399.2	399.0
140°	412.6	413.1	413.4	413.7	414.0	414.3	414.5	414.7	414.9	415.1	414.9
142.5°	427.9	428.3	428.7	429.1	429.5	429.9	430.0	430.1	430.2	430.3	430.1
145°	450.8	451.1	451.4	451.7	452.0	452.3	452.3	452.3	452.3	452.3	452.2
147.5°	471.3	471.5	471.7	472.0	472.2	472.5	472.7	472.9	473.2	473.4	473.2
150°	484.1	484.3	484.7	485.1	485.5	485.9	485.9	485.9	485.9	485.9	485.8
152.5°	496.7	496.8	497.0	497.2	497.3	497.5	497.7	498.0	498.2	498.4	498.4
155°	514.0	514.0	514.1	514.2	514.3	514.4	514.8	515.2	515.6	516.0	516.0
157.5°	529.0	529.0	529.1	529.2	529.3	529.4	529.8	530.2	530.6	531.0	530.9
160°	538.1	538.0	538.1	538.2	538.3	538.4	538.9	539.3	539.7	540.1	540.0
162.5°	546.8	546.7	546.7	546.7	546.8	546.8	547.3	547.8	548.2	548.7	548.7
165°	558.0	558.0	558.1	558.2	558.3	558.4	558.8	559.2	559.6	560.0	559.9
167.5°	566.7	566.5	566.5	566.5	566.5	566.5	567.1	567.7	568.3	568.9	568.9
170°	571.7	571.5	571.5	571.5	571.5	571.5	572.1	572.7	573.3	574.0	573.9
172.5°	575.4	575.2	575.2	575.2	575.2	575.2	575.8	576.4	577.0	577.6	577.6
175°	579.4	579.2	579.2	579.2	579.2	579.2	579.8	580.4	581.1	581.7	581.6
177.5°	581.8	581.6	581.6	581.5	581.4	581.3	581.8	582.3	582.8	583.3	583.2
180°	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4



TEST NUMBER: P333461

CATALOG NUMBER: S125DIW-S1270D470U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1749.9	1754.2	1750.5	1755.5	1750.5	1754.2	1749.9	1753.6	1759.2	1755.5	1764.2
5°	1612.8	1605.8	1610.5	1607.4	1610.5	1605.8	1612.8	1616.7	1626.1	1629.2	1635.4
7.5°	1486.2	1479.5	1471.9	1468.3	1471.9	1479.5	1486.2	1488.6	1496.5	1508.2	1517.1
10°	1407.0	1398.5	1397.7	1392.2	1397.7	1398.5	1407.0	1415.6	1421.1	1435.9	1446.0
12.5°	1349.0	1341.1	1332.2	1329.9	1332.2	1341.1	1349.0	1356.4	1358.1	1374.8	1381.8
15°	1266.7	1260.5	1255.0	1259.7	1255.0	1260.5	1266.7	1271.4	1280.0	1291.7	1299.5
17.5°	1198.3	1193.1	1192.2	1186.4	1192.2	1193.1	1198.3	1200.9	1215.0	1222.6	1236.0
20°	1155.3	1151.4	1152.9	1142.8	1152.9	1151.4	1155.3	1162.3	1176.3	1180.2	1194.2
22.5°	1121.0	1113.3	1112.4	1110.4	1112.4	1113.3	1121.0	1127.3	1130.2	1142.2	1151.8
25°	1067.2	1063.3	1059.4	1063.3	1059.4	1063.3	1067.2	1074.2	1077.3	1085.9	1095.2
27.5°	1020.2	1015.6	1014.5	1014.9	1014.5	1015.6	1020.2	1019.6	1028.0	1034.9	1041.8
30°	991.6	983.8	984.5	983.8	984.5	983.8	991.6	991.6	996.2	1002.5	1008.7
32.5°	960.4	955.1	954.0	952.6	954.0	955.1	960.4	959.1	965.0	972.5	979.4
35°	914.4	914.4	910.5	910.5	910.5	914.4	914.4	916.7	923.0	923.0	930.7
37.5°	871.2	870.4	868.1	868.4	868.1	870.4	871.2	873.1	875.2	878.5	883.5
40°	838.8	838.0	835.6	831.0	835.6	838.0	838.8	841.9	843.4	847.3	850.5
42.5°	807.6	804.9	803.8	802.3	803.8	804.9	807.6	809.5	810.4	815.5	821.8
45°	758.5	758.5	756.9	756.1	756.9	758.5	758.5	758.5	759.3	765.5	768.6
47.5°	710.8	712.2	715.1	714.7	715.1	712.2	710.8	709.5	709.8	713.0	716.5
50°	682.1	682.9	685.2	686.0	685.2	682.9	682.1	679.0	677.4	677.4	679.7
52.5°	650.3	654.8	657.8	657.3	657.8	654.8	650.3	647.8	645.0	641.2	644.8
55°	605.7	611.1	616.6	617.4	616.6	611.1	605.7	598.7	595.6	589.3	591.7
57.5°	561.6	569.2	575.0	576.8	575.0	569.2	561.6	553.1	543.0	540.1	535.7
60°	531.6	541.8	548.8	551.9	548.8	541.8	531.6	523.8	510.6	502.0	498.9
62.5°	502.9	514.3	521.3	522.0	521.3	514.3	502.9	490.8	477.5	467.7	461.5
65°	456.0	467.7	473.9	478.6	473.9	467.7	456.0	442.8	428.0	414.7	407.7
67.5°	405.5	417.2	424.1	427.8	424.1	417.2	405.5	389.1	375.6	360.3	352.0
70°	368.7	380.4	389.8	392.9	389.8	380.4	368.7	349.2	337.5	323.5	316.5
72.5°	332.5	343.0	350.5	354.2	350.5	343.0	332.5	314.3	300.7	286.7	277.2
75°	269.7	283.7	290.8	294.7	290.8	283.7	269.7	259.6	244.0	229.2	221.4
77.5°	208.0	220.8	225.0	227.0	225.0	220.8	208.0	196.1	184.3	173.5	165.9
80°	166.8	174.6	180.1	180.8	180.1	174.6	166.8	157.5	148.1	138.0	131.0
82.5°	128.2	134.7	136.4	138.4	136.4	134.7	128.2	120.0	111.9	104.3	98.5
85°	70.2	73.3	74.1	73.3	74.1	73.3	70.2	64.7	60.8	56.9	54.6
87.5°	25.1	24.5	24.6	25.9	24.6	24.5	25.1	23.8	24.3	23.0	21.6
90°	10.0	10.3	10.6	10.9	10.6	10.3	10.0	9.7	9.3	8.8	8.3
92.5°	20.7	20.9	21.2	21.4	21.2	20.9	20.7	20.5	20.1	19.4	18.7
95°	38.4	38.6	38.8	39.0	38.8	38.6	38.4	38.2	37.7	37.0	36.3
97.5°	58.7	58.9	59.0	59.1	59.0	58.9	58.7	58.6	58.2	57.6	56.9
100°	73.7	73.9	74.1	74.3	74.1	73.9	73.7	73.5	73.0	72.1	71.2
102.5°	88.7	89.0	89.3	89.6	89.3	89.0	88.7	88.4	87.8	86.8	85.8
105°	111.5	111.8	112.1	112.4	112.1	111.8	111.5	111.2	110.7	110.1	109.5
107.5°	135.9	135.8	135.8	135.8	135.8	135.8	135.9	135.9	135.7	135.4	135.1
110°	153.5	153.4	153.3	153.2	153.3	153.4	153.5	153.6	153.5	153.2	152.9



TEST NUMBER: P333461

CATALOG NUMBER: S125DIW-S1270D470U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	170.8	170.6	170.4	170.2	170.4	170.6	170.8	171.0	171.0	170.8	170.7
115°	197.5	197.4	197.3	197.2	197.3	197.4	197.5	197.6	197.7	197.8	197.9
117.5°	224.7	224.3	223.8	223.4	223.8	224.3	224.7	225.1	225.2	225.1	225.1
120°	242.8	242.4	242.0	241.6	242.0	242.4	242.8	243.2	243.4	243.4	243.4
122.5°	260.7	260.4	260.0	259.7	260.0	260.4	260.7	261.0	261.2	261.3	261.4
125°	287.2	287.1	287.0	286.9	287.0	287.1	287.2	287.3	287.5	287.7	287.9
127.5°	313.6	313.4	313.2	313.0	313.2	313.4	313.6	313.8	314.0	314.1	314.2
130°	331.0	330.8	330.6	330.4	330.6	330.8	331.0	331.2	331.4	331.5	331.6
132.5°	347.6	347.3	347.0	346.7	347.0	347.3	347.6	347.9	348.0	348.1	348.2
135°	373.3	372.9	372.5	372.1	372.5	372.9	373.3	373.7	373.9	373.9	373.9
137.5°	398.5	398.0	397.4	396.9	397.4	398.0	398.5	399.0	399.2	399.0	398.9
140°	414.4	413.9	413.4	412.9	413.4	413.9	414.4	414.9	415.1	414.9	414.7
142.5°	429.6	429.1	428.6	428.1	428.6	429.1	429.6	430.1	430.3	430.2	430.1
145°	451.9	451.6	451.3	451.0	451.3	451.6	451.9	452.2	452.3	452.3	452.3
147.5°	472.5	471.8	471.1	470.5	471.1	471.8	472.5	473.2	473.4	473.2	472.9
150°	485.6	485.4	485.2	485.0	485.2	485.4	485.6	485.8	485.9	485.9	485.9
152.5°	498.0	497.7	497.3	496.9	497.3	497.7	498.0	498.4	498.4	498.2	498.0
155°	515.5	515.0	514.5	514.0	514.5	515.0	515.5	516.0	516.0	515.6	515.2
157.5°	530.2	529.5	528.9	528.2	528.9	529.5	530.2	530.9	531.0	530.6	530.2
160°	539.5	539.0	538.5	538.0	538.5	539.0	539.5	540.0	540.1	539.7	539.3
162.5°	548.1	547.5	546.9	546.3	546.9	547.5	548.1	548.7	548.7	548.2	547.8
165°	559.3	558.7	558.1	557.5	558.1	558.7	559.3	559.9	560.0	559.6	559.2
167.5°	568.2	567.6	567.0	566.4	567.0	567.6	568.2	568.9	568.9	568.3	567.7
170°	573.2	572.5	571.8	571.1	571.8	572.5	573.2	573.9	574.0	573.3	572.7
172.5°	576.9	576.3	575.7	575.1	575.7	576.3	576.9	577.6	577.6	577.0	576.4
175°	580.9	580.2	579.5	578.8	579.5	580.2	580.9	581.6	581.7	581.1	580.4
177.5°	582.7	582.1	581.5	581.0	581.5	582.1	582.7	583.2	583.3	582.8	582.3
180°	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4



TEST NUMBER: P333461

CATALOG NUMBER: S125DIW-S1270D470U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1756.1	1763.6	1772.9	1779.8	1792.3	1797.9	1804.7	1810.4	1820.3	1829.7	1840.9
5°	1637.8	1651.0	1669.0	1688.4	1711.1	1726.6	1748.5	1761.7	1788.2	1812.4	1835.8
7.5°	1530.5	1546.7	1572.1	1597.1	1626.7	1653.5	1680.8	1711.1	1744.9	1784.8	1817.8
10°	1456.9	1478.8	1506.0	1537.2	1573.1	1604.3	1640.9	1673.6	1714.9	1761.7	1805.4
12.5°	1398.3	1417.0	1447.4	1477.4	1515.7	1553.7	1591.6	1635.0	1683.1	1734.9	1789.8
15°	1317.4	1333.0	1357.9	1399.2	1438.2	1475.6	1532.5	1573.1	1633.9	1691.6	1757.8
17.5°	1248.3	1267.7	1288.7	1324.1	1364.5	1411.2	1462.1	1512.9	1571.5	1644.6	1719.3
20°	1205.9	1221.5	1245.7	1273.0	1315.8	1362.6	1410.9	1462.4	1534.1	1609.7	1690.0
22.5°	1159.8	1176.6	1203.9	1233.7	1269.7	1314.6	1367.9	1424.3	1499.2	1573.5	1660.7
25°	1105.4	1117.1	1142.0	1168.5	1204.4	1242.6	1297.9	1360.3	1434.3	1519.3	1608.2
27.5°	1054.1	1064.4	1087.1	1110.2	1142.6	1188.0	1237.4	1300.4	1370.2	1456.3	1554.8
30°	1017.3	1028.2	1048.5	1073.4	1104.6	1144.3	1195.0	1254.3	1329.1	1413.3	1516.2
32.5°	985.5	995.1	1010.4	1035.4	1065.9	1104.4	1151.4	1211.8	1286.7	1372.1	1473.1
35°	936.2	947.1	958.8	978.3	1004.8	1042.2	1093.7	1150.6	1222.3	1304.9	1397.7
37.5°	887.3	899.1	909.5	927.0	951.2	984.2	1028.7	1087.9	1152.8	1232.4	1321.4
40°	856.7	866.0	874.6	893.3	917.5	948.7	990.0	1043.0	1111.6	1185.7	1259.7
42.5°	826.1	834.9	842.2	858.4	880.7	910.6	950.1	1001.8	1065.5	1134.5	1199.8
45°	778.0	783.4	792.0	806.0	824.0	851.2	889.4	935.4	989.2	1054.7	1103.8
47.5°	725.9	734.5	741.5	753.8	768.5	795.3	831.9	871.0	919.8	968.5	1003.1
50°	686.0	694.6	704.7	716.4	730.4	755.4	788.9	828.6	869.9	907.4	937.0
52.5°	648.6	656.5	667.3	678.3	695.5	716.7	745.2	780.6	821.3	848.1	872.8
55°	593.2	597.1	609.6	620.5	636.9	652.5	681.3	712.5	737.4	757.7	778.0
57.5°	536.6	541.9	549.1	558.9	575.1	593.4	613.6	641.2	655.9	666.3	682.1
60°	500.5	502.0	506.7	518.4	530.9	547.2	570.6	590.1	601.0	609.6	622.8
62.5°	460.5	460.9	468.6	477.2	486.6	504.2	523.2	539.0	548.0	552.2	564.8
65°	404.6	403.0	407.7	414.7	425.6	437.3	453.7	467.7	466.9	471.6	479.4
67.5°	347.4	345.8	345.8	352.5	361.4	371.8	383.1	391.2	391.3	397.6	401.5
70°	308.7	304.0	307.1	312.6	316.5	325.1	337.5	340.7	341.4	344.5	348.4
72.5°	268.8	267.2	269.7	272.1	274.7	281.4	292.0	293.9	294.0	295.9	302.3
75°	213.6	212.0	210.5	212.8	215.9	220.6	224.5	227.6	226.8	227.6	232.3
77.5°	160.1	155.7	155.0	156.2	157.0	159.8	163.9	163.5	164.3	164.2	169.5
80°	127.1	120.8	120.0	120.0	120.8	122.4	123.9	125.5	123.2	125.5	127.1
82.5°	93.4	89.6	89.5	88.9	89.0	89.3	90.3	91.2	90.7	91.8	92.8
85°	51.4	49.9	47.6	49.1	48.3	46.0	47.6	45.2	44.4	45.2	46.0
87.5°	19.0	19.5	18.1	18.0	17.2	17.7	16.3	15.5	14.8	15.2	16.9
90°	7.8	7.3	6.5	5.8	5.1	4.4	3.7	2.9	2.1	1.3	0.5
92.5°	18.1	17.4	16.5	15.7	14.8	13.9	13.2	12.7	12.1	11.5	11.0
95°	35.6	34.9	33.9	32.9	31.9	30.9	30.3	30.1	29.9	29.7	29.5
97.5°	56.2	55.6	54.2	52.8	51.4	50.0	49.3	49.2	49.1	49.0	48.9
100°	70.3	69.3	68.0	66.7	65.4	64.1	63.5	63.5	63.5	63.5	63.5
102.5°	84.8	83.8	83.2	82.5	81.9	81.2	80.7	80.3	79.9	79.4	79.0
105°	108.9	108.3	107.7	107.1	106.5	105.9	105.4	104.8	104.3	103.8	103.3
107.5°	134.8	134.5	134.1	133.6	133.1	132.7	132.2	131.7	131.2	130.7	130.2
110°	152.6	152.3	152.0	151.7	151.4	151.1	150.7	150.2	149.7	149.2	148.7



TEST NUMBER: P333461

CATALOG NUMBER: S125DIW-S1270D470U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	170.6	170.4	170.0	169.7	169.3	168.9	168.6	168.3	168.0	167.8	167.5
115°	198.0	198.1	197.9	197.7	197.5	197.3	197.0	196.6	196.2	195.7	195.3
117.5°	225.0	224.9	224.7	224.5	224.4	224.2	224.0	223.8	223.6	223.4	223.3
120°	243.4	243.4	243.3	243.2	243.1	243.0	242.7	242.2	241.7	241.2	240.7
122.5°	261.4	261.5	261.3	261.0	260.7	260.5	260.2	260.1	259.9	259.7	259.5
125°	288.1	288.3	288.2	288.1	288.0	287.9	287.5	286.9	286.3	285.7	285.1
127.5°	314.3	314.4	314.2	314.1	314.0	313.9	313.7	313.3	313.0	312.6	312.3
130°	331.7	331.8	331.6	331.4	331.2	331.0	330.6	330.1	329.6	329.1	328.6
132.5°	348.3	348.4	348.5	348.5	348.6	348.6	348.2	347.4	346.6	345.7	344.9
135°	373.9	373.9	373.8	373.7	373.6	373.5	373.2	372.6	372.0	371.4	370.7
137.5°	398.8	398.7	398.4	398.2	398.0	397.8	397.4	396.8	396.2	395.6	395.0
140°	414.5	414.3	414.0	413.7	413.4	413.1	412.6	412.1	411.6	411.1	410.6
142.5°	430.0	429.9	429.5	429.1	428.7	428.3	427.9	427.5	427.1	426.6	426.2
145°	452.3	452.3	452.0	451.7	451.4	451.1	450.8	450.4	450.0	449.6	449.2
147.5°	472.7	472.5	472.2	472.0	471.7	471.5	471.3	471.0	470.8	470.6	470.4
150°	485.9	485.9	485.5	485.1	484.7	484.3	484.1	484.2	484.3	484.4	484.5
152.5°	497.7	497.5	497.3	497.2	497.0	496.8	496.7	496.5	496.4	496.3	496.1
155°	514.8	514.4	514.3	514.2	514.1	514.0	514.0	514.0	514.0	514.0	514.0
157.5°	529.8	529.4	529.3	529.2	529.1	529.0	529.0	529.3	529.5	529.7	529.9
160°	538.9	538.4	538.3	538.2	538.1	538.0	538.1	538.4	538.7	539.1	539.4
162.5°	547.3	546.8	546.8	546.7	546.7	546.7	546.8	547.0	547.3	547.5	547.7
165°	558.8	558.4	558.3	558.2	558.1	558.0	558.0	558.2	558.4	558.6	558.8
167.5°	567.1	566.5	566.5	566.5	566.5	566.5	566.7	567.1	567.5	567.9	568.3
170°	572.1	571.5	571.5	571.5	571.5	571.5	571.7	572.1	572.5	572.9	573.3
172.5°	575.8	575.2	575.2	575.2	575.2	575.2	575.4	575.8	576.2	576.6	577.0
175°	579.8	579.2	579.2	579.2	579.2	579.2	579.4	579.8	580.2	580.6	581.1
177.5°	581.8	581.3	581.4	581.5	581.6	581.6	581.8	582.2	582.5	582.8	583.1
180°	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4



TEST NUMBER: P333461

CATALOG NUMBER: S125DIW-S1270D470U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1846.5	1855.3	1860.9	1871.5	1880.2	1885.2	1889.6	1893.3	1897.7	1901.4	1912.0
5°	1858.4	1878.6	1895.8	1922.3	1946.5	1965.2	1985.4	2003.4	2018.2	2039.2	2055.6
7.5°	1853.2	1889.2	1927.0	1968.0	2009.9	2048.9	2084.8	2118.3	2148.7	2185.5	2217.7
10°	1848.2	1897.4	1945.7	2001.0	2057.9	2106.3	2151.5	2197.5	2231.0	2277.8	2317.5
12.5°	1844.5	1902.3	1960.7	2027.2	2089.7	2158.0	2218.2	2251.7	2302.7	2340.1	2387.4
15°	1828.8	1905.2	1985.4	2060.3	2149.1	2212.3	2265.3	2330.8	2378.3	2425.9	2477.3
17.5°	1800.5	1887.1	1976.9	2074.9	2160.2	2228.0	2296.3	2359.5	2416.2	2480.0	2544.0
20°	1787.4	1874.0	1976.9	2077.4	2160.8	2231.8	2301.9	2371.3	2433.7	2515.5	2589.6
22.5°	1760.0	1864.6	1959.4	2057.5	2143.4	2220.5	2300.1	2378.8	2461.7	2554.2	2646.9
25°	1711.1	1817.1	1917.6	2014.3	2100.8	2197.5	2282.4	2387.7	2493.7	2616.1	2731.4
27.5°	1660.2	1761.7	1853.9	1947.2	2048.1	2157.6	2267.8	2387.2	2526.0	2680.5	2843.2
30°	1619.1	1714.9	1804.6	1900.5	2005.7	2128.9	2249.7	2391.6	2552.2	2726.0	2919.3
32.5°	1571.0	1659.4	1746.6	1848.1	1962.7	2092.7	2233.5	2389.1	2582.1	2779.6	2978.6
35°	1488.9	1562.9	1652.6	1760.9	1890.3	2039.2	2202.2	2386.1	2607.5	2834.3	3001.9
37.5°	1391.4	1460.4	1554.8	1673.6	1809.3	1969.1	2162.4	2380.7	2615.8	2796.6	2850.7
40°	1326.0	1389.9	1488.1	1611.3	1750.0	1919.2	2131.2	2362.0	2589.6	2704.9	2660.5
42.5°	1256.1	1323.2	1418.9	1540.8	1690.2	1874.3	2091.9	2322.7	2513.5	2557.1	2403.6
45°	1145.9	1215.3	1309.6	1432.8	1593.3	1792.9	2019.7	2229.4	2339.3	2260.6	2022.9
47.5°	1043.5	1108.5	1195.9	1323.0	1488.7	1695.1	1913.6	2080.9	2089.6	1901.7	1647.8
50°	973.6	1033.6	1121.7	1248.8	1413.3	1622.2	1819.4	1951.1	1891.9	1679.1	1435.1
52.5°	905.0	963.8	1050.6	1176.5	1339.1	1530.5	1714.0	1806.5	1694.8	1476.4	1268.0
55°	806.0	857.5	942.4	1058.6	1212.9	1390.7	1546.6	1578.5	1433.5	1218.4	1049.2
57.5°	709.4	757.4	834.7	941.7	1082.8	1240.2	1362.1	1355.3	1202.0	1017.4	883.2
60°	643.9	690.7	759.3	863.7	992.3	1128.0	1232.4	1207.5	1055.5	896.5	783.4
62.5°	585.3	627.0	691.9	783.3	900.7	1026.3	1112.1	1075.3	926.4	787.3	698.0
65°	498.9	534.0	589.3	667.3	764.7	868.4	934.6	887.1	760.0	651.7	580.0
67.5°	416.4	444.5	490.9	553.1	636.2	719.5	759.9	712.0	610.4	531.3	478.2
70°	364.0	389.0	424.8	480.2	552.7	622.8	653.2	610.4	523.1	455.2	417.0
72.5°	311.7	332.2	363.7	413.5	471.6	532.4	559.1	518.1	446.4	389.1	353.4
75°	240.9	254.9	276.7	311.0	357.0	405.4	420.2	384.3	338.3	295.4	272.1
77.5°	172.4	184.3	200.8	222.5	255.1	285.8	298.7	278.0	242.4	215.3	196.1
80°	132.5	138.8	152.8	170.7	196.4	215.9	224.5	211.3	186.3	166.0	151.2
82.5°	94.5	100.7	109.1	123.9	140.3	153.6	162.8	153.9	135.8	119.9	111.3
85°	46.0	49.9	54.6	60.8	73.3	81.1	80.3	74.8	67.8	61.6	56.9
87.5°	16.5	17.3	19.3	22.6	24.6	27.2	28.6	27.5	25.1	23.4	21.6
90°	1.3	2.1	2.9	3.7	4.4	5.1	5.8	6.5	7.3	7.8	8.3
92.5°	11.5	12.1	12.7	13.2	13.9	14.8	15.7	16.5	17.4	18.1	18.7
95°	29.7	29.9	30.1	30.3	30.9	31.9	32.9	33.9	34.9	35.6	36.3
97.5°	49.0	49.1	49.2	49.3	50.0	51.4	52.8	54.2	55.6	56.2	56.9
100°	63.5	63.5	63.5	63.5	64.1	65.4	66.7	68.0	69.3	70.3	71.2
102.5°	79.4	79.9	80.3	80.7	81.2	81.9	82.5	83.2	83.8	84.8	85.8
105°	103.8	104.3	104.8	105.4	105.9	106.5	107.1	107.7	108.3	108.9	109.5
107.5°	130.7	131.2	131.7	132.2	132.7	133.1	133.6	134.1	134.5	134.8	135.1
110°	149.2	149.7	150.2	150.7	151.1	151.4	151.7	152.0	152.3	152.6	152.9



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	167.8	168.0	168.3	168.6	168.9	169.3	169.7	170.0	170.4	170.6	170.7
115°	195.7	196.2	196.6	197.0	197.3	197.5	197.7	197.9	198.1	198.0	197.9
117.5°	223.4	223.6	223.8	224.0	224.2	224.4	224.5	224.7	224.9	225.0	225.1
120°	241.2	241.7	242.2	242.7	243.0	243.1	243.2	243.3	243.4	243.4	243.4
122.5°	259.7	259.9	260.1	260.2	260.5	260.7	261.0	261.3	261.5	261.4	261.4
125°	285.7	286.3	286.9	287.5	287.9	288.0	288.1	288.2	288.3	288.1	287.9
127.5°	312.6	313.0	313.3	313.7	313.9	314.0	314.1	314.2	314.4	314.3	314.2
130°	329.1	329.6	330.1	330.6	331.0	331.2	331.4	331.6	331.8	331.7	331.6
132.5°	345.7	346.6	347.4	348.2	348.6	348.6	348.5	348.5	348.4	348.3	348.2
135°	371.4	372.0	372.6	373.2	373.5	373.6	373.7	373.8	373.9	373.9	373.9
137.5°	395.6	396.2	396.8	397.4	397.8	398.0	398.2	398.4	398.7	398.8	398.9
140°	411.1	411.6	412.1	412.6	413.1	413.4	413.7	414.0	414.3	414.5	414.7
142.5°	426.6	427.1	427.5	427.9	428.3	428.7	429.1	429.5	429.9	430.0	430.1
145°	449.6	450.0	450.4	450.8	451.1	451.4	451.7	452.0	452.3	452.3	452.3
147.5°	470.6	470.8	471.0	471.3	471.5	471.7	472.0	472.2	472.5	472.7	472.9
150°	484.4	484.3	484.2	484.1	484.3	484.7	485.1	485.5	485.9	485.9	485.9
152.5°	496.3	496.4	496.5	496.7	496.8	497.0	497.2	497.3	497.5	497.7	498.0
155°	514.0	514.0	514.0	514.0	514.0	514.1	514.2	514.3	514.4	514.8	515.2
157.5°	529.7	529.5	529.3	529.0	529.0	529.1	529.2	529.3	529.4	529.8	530.2
160°	539.1	538.7	538.4	538.1	538.0	538.1	538.2	538.3	538.4	538.9	539.3
162.5°	547.5	547.3	547.0	546.8	546.7	546.7	546.7	546.8	546.8	547.3	547.8
165°	558.6	558.4	558.2	558.0	558.0	558.1	558.2	558.3	558.4	558.8	559.2
167.5°	567.9	567.5	567.1	566.7	566.5	566.5	566.5	566.5	566.5	567.1	567.7
170°	572.9	572.5	572.1	571.7	571.5	571.5	571.5	571.5	571.5	572.1	572.7
172.5°	576.6	576.2	575.8	575.4	575.2	575.2	575.2	575.2	575.2	575.8	576.4
175°	580.6	580.2	579.8	579.4	579.2	579.2	579.2	579.2	579.2	579.8	580.4
177.5°	582.8	582.5	582.2	581.8	581.6	581.6	581.5	581.4	581.3	581.8	582.3
180°	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1920.7	1925.7	1936.3	1932.6	1937.6	1940.1	1942.6
5°	2075.9	2100.8	2111.7	2110.2	2126.5	2122.6	2118.7
7.5°	2251.1	2277.3	2292.0	2310.2	2320.8	2321.6	2330.8
10°	2350.3	2384.6	2398.6	2418.1	2430.6	2437.6	2436.8
12.5°	2426.3	2453.2	2484.6	2494.2	2511.0	2519.9	2516.6
15°	2517.9	2560.7	2593.5	2609.8	2630.9	2637.1	2645.7
17.5°	2599.6	2657.1	2695.3	2746.1	2765.3	2777.0	2770.1
20°	2661.3	2736.9	2775.1	2835.9	2869.4	2887.4	2881.1
22.5°	2734.3	2816.1	2886.7	2939.4	2990.4	3014.6	3019.6
25°	2859.3	2971.5	3075.2	3144.6	3207.7	3222.5	3255.3
27.5°	2999.0	3131.3	3242.2	3315.2	3359.1	3375.6	3385.9
30°	3086.9	3218.6	3302.1	3348.8	3362.9	3361.3	3359.7
32.5°	3129.9	3212.4	3228.5	3215.4	3183.3	3156.1	3127.8
35°	3069.0	3007.4	2915.4	2796.9	2709.6	2621.5	2613.0
37.5°	2760.1	2563.2	2410.1	2239.1	2140.4	2079.5	2037.4
40°	2469.5	2245.8	2060.3	1916.1	1815.5	1775.8	1736.8
42.5°	2154.0	1940.2	1775.9	1655.4	1579.8	1535.7	1504.8
45°	1750.0	1561.4	1432.8	1345.5	1285.4	1251.1	1231.6
47.5°	1434.0	1294.5	1185.2	1122.2	1080.7	1054.1	1054.2
50°	1264.4	1131.1	1058.6	1008.7	972.8	951.8	955.7
52.5°	1114.1	1014.5	952.6	910.8	884.3	871.3	870.9
55°	931.5	859.8	819.3	788.9	770.9	756.1	759.3
57.5°	796.8	736.3	709.2	684.0	671.5	665.6	657.0
60°	713.3	666.5	643.1	622.8	610.4	605.7	597.1
62.5°	639.1	602.3	579.5	563.0	551.7	550.2	543.5
65°	537.1	509.0	488.8	481.0	469.3	466.2	466.2
67.5°	442.8	422.7	406.9	399.7	394.6	395.4	391.6
70°	383.5	367.2	357.0	349.2	345.3	346.1	343.0
72.5°	335.5	317.3	308.4	303.7	298.6	300.6	299.3
75°	254.1	244.8	240.1	235.4	232.3	230.7	229.2
77.5°	186.6	178.4	174.8	172.1	172.6	168.8	171.8
80°	144.2	137.2	134.9	131.0	130.2	130.2	129.4
82.5°	105.5	101.6	99.9	96.7	95.3	96.5	94.5
85°	54.6	51.4	50.7	50.7	49.1	47.6	51.4
87.5°	21.7	19.3	19.4	18.8	18.9	18.3	17.1
90°	8.8	9.3	9.7	10.0	10.3	10.6	10.9
92.5°	19.4	20.1	20.5	20.7	20.9	21.2	21.4
95°	37.0	37.7	38.2	38.4	38.6	38.8	39.0
97.5°	57.6	58.2	58.6	58.7	58.9	59.0	59.1
100°	72.1	73.0	73.5	73.7	73.9	74.1	74.3
102.5°	86.8	87.8	88.4	88.7	89.0	89.3	89.6
105°	110.1	110.7	111.2	111.5	111.8	112.1	112.4
107.5°	135.4	135.7	135.9	135.9	135.8	135.8	135.8
110°	153.2	153.5	153.6	153.5	153.4	153.3	153.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	170.8	171.0	171.0	170.8	170.6	170.4	170.2
115°	197.8	197.7	197.6	197.5	197.4	197.3	197.2
117.5°	225.1	225.2	225.1	224.7	224.3	223.8	223.4
120°	243.4	243.4	243.2	242.8	242.4	242.0	241.6
122.5°	261.3	261.2	261.0	260.7	260.4	260.0	259.7
125°	287.7	287.5	287.3	287.2	287.1	287.0	286.9
127.5°	314.1	314.0	313.8	313.6	313.4	313.2	313.0
130°	331.5	331.4	331.2	331.0	330.8	330.6	330.4
132.5°	348.1	348.0	347.9	347.6	347.3	347.0	346.7
135°	373.9	373.9	373.7	373.3	372.9	372.5	372.1
137.5°	399.0	399.2	399.0	398.5	398.0	397.4	396.9
140°	414.9	415.1	414.9	414.4	413.9	413.4	412.9
142.5°	430.2	430.3	430.1	429.6	429.1	428.6	428.1
145°	452.3	452.3	452.2	451.9	451.6	451.3	451.0
147.5°	473.2	473.4	473.2	472.5	471.8	471.1	470.5
150°	485.9	485.9	485.8	485.6	485.4	485.2	485.0
152.5°	498.2	498.4	498.4	498.0	497.7	497.3	496.9
155°	515.6	516.0	516.0	515.5	515.0	514.5	514.0
157.5°	530.6	531.0	530.9	530.2	529.5	528.9	528.2
160°	539.7	540.1	540.0	539.5	539.0	538.5	538.0
162.5°	548.2	548.7	548.7	548.1	547.5	546.9	546.3
165°	559.6	560.0	559.9	559.3	558.7	558.1	557.5
167.5°	568.3	568.9	568.9	568.2	567.6	567.0	566.4
170°	573.3	574.0	573.9	573.2	572.5	571.8	571.1
172.5°	577.0	577.6	577.6	576.9	576.3	575.7	575.1
175°	581.1	581.7	581.6	580.9	580.2	579.5	578.8
177.5°	582.8	583.3	583.2	582.7	582.1	581.5	581.0
180°	582.4	582.4	582.4	582.4	582.4	582.4	582.4

(END OF REPORT)