

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: P333461-830

Luminaire Tested: **S125DIW-S1270D470U830-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333461-830
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-S1270D470U830-4F0-1E-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: 6417.7 lumens
Efficiency: N/A
Efficacy: 122.5 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

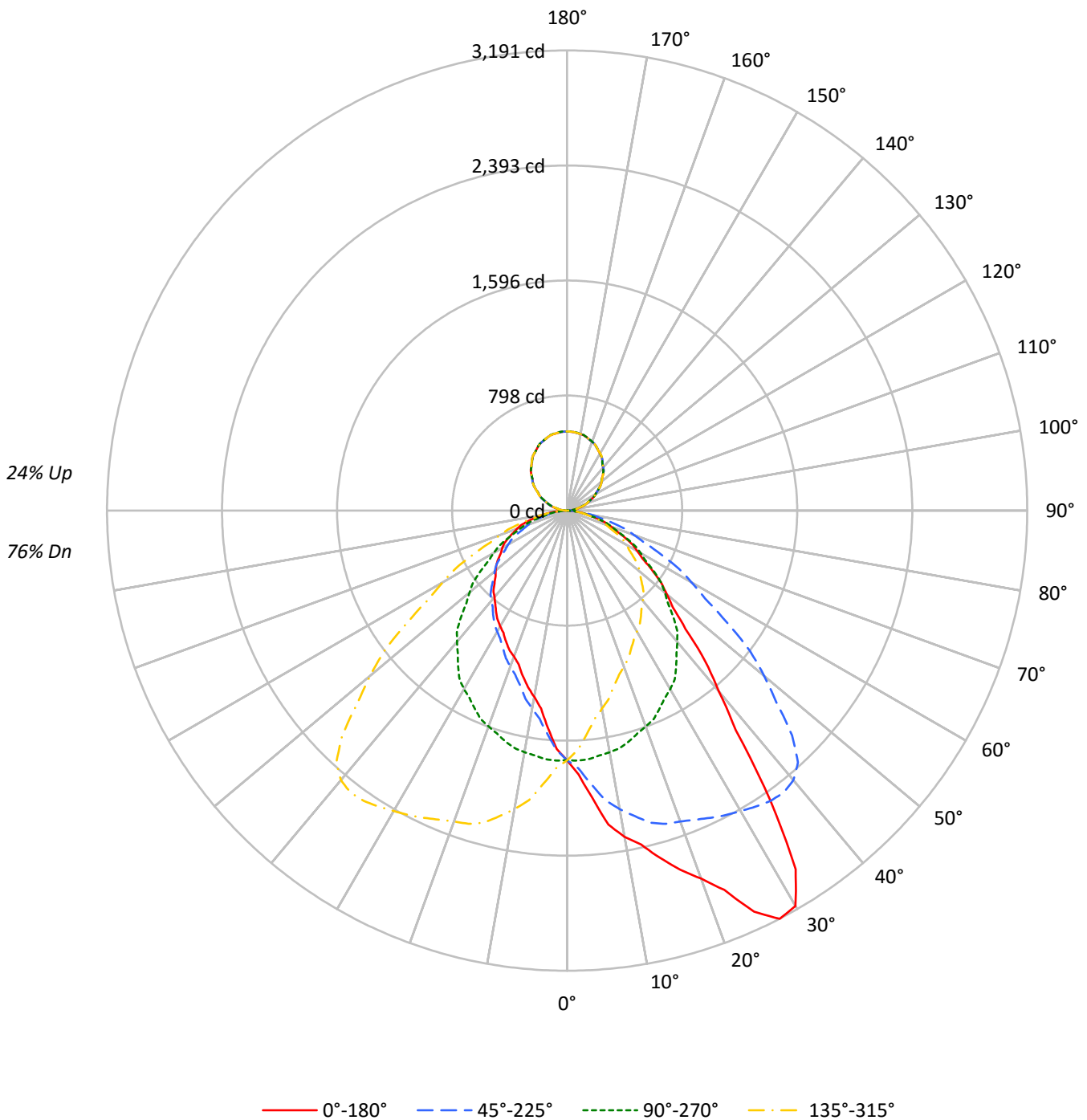
Input Watts (W): 52.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11180	11180	11180	11180
5°	12947	11218	9822	11218
10°	15062	11160	8605	11160
15°	16673	11078	7938	11078
20°	18664	10948	7403	10948
25°	21865	10802	7142	10802
30°	23616	10657	6915	10657
35°	19418	10387	6766	10387
40°	13801	10010	6604	10010
45°	10602	9502	6509	9502
50°	9051	8874	6497	8874
55°	8059	8257	6552	8257
60°	7270	7582	6719	7582
65°	6715	6906	6894	6906
70°	6105	6201	6992	6201
75°	5390	5465	6932	5465
80°	4537	4456	6338	4456
85°	3586	3216	5120	3216



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.6	2.6
10°-20°	496.2	7.7
20°-30°	805.7	12.6
30°-40°	982.8	15.3
40°-50°	894.0	13.9
50°-60°	712.1	11.1
60°-70°	496.0	7.7
70°-80°	264.5	4.1
80°-90°	68.0	1.1
90°-100°	36.8	0.6
100°-110°	108.6	1.7
110°-120°	183.9	2.9
120°-130°	242.0	3.8
130°-140°	271.2	4.2
140°-150°	265.8	4.1
150°-160°	223.2	3.5
160°-170°	148.4	2.3
170°-180°	51.9	0.8
0°-30°	1468.5	22.9
0°-40°	2451.2	38.2
0°-60°	4057.4	63.2
0°-90°	4885.9	76.1
90°-120°	329.3	5.1
90°-150°	1108.3	17.3
90°-180°	1532.0	23.9
0°-180°	6417.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1731	1731	1731	1731	1731	
5°	1997	1730	1515	1730	1997	201
15°	2494	1657	1187	1657	2494	714
25°	3068	1516	1002	1516	3068	1401
35°	2463	1317	858	1317	2463	1507
45°	1161	1040	713	1040	1161	929
55°	716	733	582	733	716	645
65°	439	452	451	452	439	436
75°	216	219	278	219	216	233
85°	48	43	69	43	48	56
90°	10	0	10	0	10	8
95°	37	28	37	28	37	37
105°	106	97	106	97	106	112
115°	186	184	186	184	186	184
125°	270	269	270	269	270	241
135°	351	349	351	349	351	271
145°	425	423	425	423	425	265
155°	484	484	484	484	484	223
165°	526	527	526	527	526	148
175°	546	548	546	548	546	52
180°	549	549	549	549	549	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1831.0	1828.6	1826.3	1821.6	1825.0	1815.1	1810.3	1802.1	1792.2	1788.7	1784.5
5°	1997.0	2000.6	2004.3	1989.0	1990.4	1980.1	1956.6	1937.5	1922.0	1902.2	1888.3
7.5°	2196.9	2188.2	2187.5	2177.5	2160.3	2146.5	2121.8	2090.3	2059.9	2025.2	1996.6
10°	2296.8	2297.5	2290.9	2279.2	2260.8	2247.6	2215.3	2184.3	2146.9	2102.8	2071.2
12.5°	2372.0	2375.1	2366.7	2350.9	2341.8	2312.2	2286.9	2250.2	2205.6	2170.4	2122.3
15°	2493.7	2485.6	2479.7	2459.8	2444.5	2413.6	2373.2	2335.0	2286.5	2241.6	2196.9
17.5°	2610.9	2617.4	2606.4	2588.3	2540.4	2504.4	2450.2	2397.8	2337.5	2277.4	2223.9
20°	2715.6	2721.5	2704.5	2673.0	2615.6	2579.6	2508.4	2440.8	2371.0	2293.9	2235.1
22.5°	2846.1	2841.4	2818.6	2770.5	2720.8	2654.3	2577.2	2494.8	2407.4	2320.3	2242.1
25°	3068.3	3037.3	3023.4	2963.9	2898.5	2800.8	2695.0	2574.5	2465.8	2350.4	2250.5
27.5°	3191.4	3181.6	3166.1	3124.7	3055.9	2951.4	2826.7	2679.8	2526.5	2380.9	2250.0
30°	3166.7	3168.2	3169.7	3156.4	3112.4	3033.7	2909.5	2751.6	2569.4	2405.6	2254.2
32.5°	2948.1	2974.8	3000.4	3030.7	3043.0	3027.8	2950.1	2807.5	2619.9	2433.7	2251.8
35°	2462.9	2470.9	2553.9	2636.2	2747.9	2834.6	2892.7	2829.4	2671.4	2457.7	2249.0
37.5°	1920.3	1960.0	2017.4	2110.4	2271.6	2415.9	2601.5	2686.9	2635.9	2465.5	2243.9
40°	1637.0	1673.8	1711.2	1806.0	1941.9	2116.8	2327.6	2507.6	2549.5	2440.8	2226.3
42.5°	1418.3	1447.5	1489.0	1560.3	1673.9	1828.7	2030.2	2265.5	2410.2	2369.1	2189.2
45°	1160.8	1179.2	1211.5	1268.2	1350.5	1471.7	1649.4	1906.7	2130.7	2204.9	2101.3
47.5°	993.6	993.5	1018.6	1057.7	1117.1	1220.1	1351.6	1553.1	1792.4	1969.5	1961.3
50°	900.8	897.1	916.9	950.7	997.8	1066.1	1191.8	1352.6	1582.6	1783.2	1839.0
52.5°	820.9	821.2	833.5	858.5	897.9	956.2	1050.1	1195.1	1391.6	1597.4	1702.7
55°	715.7	712.7	726.6	743.6	772.2	810.4	878.0	988.9	1148.4	1351.1	1487.8
57.5°	619.3	627.4	632.9	644.7	668.5	694.0	751.0	832.5	958.9	1132.9	1277.4
60°	562.8	570.9	575.3	587.0	606.1	628.2	672.3	738.4	845.0	994.9	1138.1
62.5°	512.3	518.6	520.0	530.7	546.2	567.7	602.4	657.9	742.1	873.2	1013.5
65°	439.4	439.4	442.3	453.4	460.7	479.8	506.2	546.7	614.3	716.3	836.1
67.5°	369.1	372.7	371.9	376.7	383.5	398.4	417.4	450.7	500.8	575.3	671.1
70°	323.3	326.2	325.5	329.1	336.5	346.1	361.5	393.0	429.0	493.0	575.3
72.5°	282.1	283.3	281.4	286.3	290.7	299.1	316.2	333.1	366.7	420.8	488.3
75°	216.0	217.4	219.0	221.9	226.3	230.7	239.5	256.5	278.4	318.9	362.2
77.5°	161.9	159.1	162.7	162.2	164.8	168.1	175.9	184.8	202.9	228.5	262.0
80°	122.0	122.7	122.7	123.5	127.1	129.3	135.9	142.5	156.5	175.6	199.2
82.5°	89.1	91.0	89.8	91.1	94.2	95.8	99.4	104.9	113.0	128.0	145.1
85°	48.4	44.9	46.3	47.8	47.8	48.4	51.5	53.6	58.1	63.9	70.5
87.5°	16.1	17.2	17.8	17.7	18.3	18.2	20.5	20.4	22.1	23.7	25.9
90°	10.3	10.0	9.7	9.4	9.1	8.8	8.3	7.8	7.4	6.9	6.1
92.5°	20.2	20.0	19.7	19.5	19.3	18.9	18.3	17.6	17.1	16.4	15.6
95°	36.8	36.6	36.4	36.2	36.0	35.5	34.9	34.2	33.6	32.9	32.0
97.5°	55.7	55.6	55.5	55.3	55.2	54.9	54.3	53.6	53.0	52.4	51.1
100°	70.0	69.8	69.7	69.5	69.3	68.8	68.0	67.1	66.3	65.3	64.1
102.5°	84.5	84.2	83.9	83.6	83.3	82.8	81.8	80.9	79.9	79.0	78.4
105°	105.9	105.7	105.4	105.1	104.8	104.3	103.8	103.2	102.6	102.1	101.5
107.5°	128.0	128.0	128.0	128.1	128.1	127.9	127.6	127.3	127.1	126.8	126.4
110°	144.4	144.5	144.6	144.7	144.8	144.7	144.4	144.1	143.8	143.5	143.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	160.4	160.6	160.8	161.0	161.2	161.2	161.0	160.9	160.8	160.6	160.2
115°	185.9	186.0	186.1	186.2	186.2	186.3	186.4	186.5	186.6	186.7	186.5
117.5°	210.6	210.9	211.4	211.8	212.2	212.3	212.2	212.2	212.1	212.0	211.8
120°	227.7	228.1	228.5	228.8	229.2	229.4	229.4	229.4	229.4	229.4	229.3
122.5°	244.8	245.1	245.4	245.7	246.0	246.2	246.3	246.4	246.4	246.5	246.3
125°	270.4	270.5	270.6	270.7	270.8	271.0	271.2	271.4	271.5	271.7	271.6
127.5°	295.0	295.2	295.4	295.6	295.8	296.0	296.1	296.1	296.2	296.3	296.1
130°	311.4	311.6	311.8	312.0	312.2	312.4	312.5	312.5	312.6	312.7	312.5
132.5°	326.8	327.1	327.3	327.6	327.9	328.0	328.1	328.2	328.3	328.4	328.5
135°	350.7	351.1	351.5	351.9	352.2	352.4	352.4	352.4	352.4	352.4	352.3
137.5°	374.1	374.6	375.1	375.6	376.1	376.3	376.1	376.0	375.9	375.8	375.5
140°	389.2	389.6	390.1	390.6	391.1	391.2	391.1	390.9	390.7	390.5	390.2
142.5°	403.5	404.0	404.4	404.9	405.4	405.6	405.5	405.4	405.3	405.2	404.8
145°	425.1	425.4	425.7	425.9	426.2	426.3	426.3	426.3	426.3	426.3	426.0
147.5°	443.5	444.0	444.7	445.4	446.0	446.2	446.0	445.7	445.5	445.4	445.1
150°	457.1	457.3	457.5	457.7	457.9	458.0	458.0	458.0	458.0	458.0	457.6
152.5°	468.3	468.7	469.1	469.4	469.8	469.8	469.6	469.4	469.1	468.9	468.7
155°	484.5	484.9	485.4	485.9	486.4	486.4	486.0	485.6	485.2	484.8	484.7
157.5°	497.9	498.5	499.1	499.7	500.4	500.5	500.1	499.7	499.4	499.0	498.9
160°	507.1	507.6	508.0	508.5	509.0	509.1	508.7	508.3	507.9	507.5	507.4
162.5°	514.9	515.5	516.0	516.6	517.2	517.2	516.7	516.3	515.9	515.4	515.4
165°	525.5	526.0	526.6	527.2	527.7	527.8	527.4	527.1	526.7	526.3	526.2
167.5°	533.9	534.4	535.0	535.6	536.2	536.2	535.6	535.1	534.5	534.0	534.0
170°	538.3	538.9	539.6	540.3	540.9	541.0	540.4	539.8	539.2	538.7	538.7
172.5°	542.1	542.6	543.2	543.8	544.4	544.4	543.8	543.3	542.7	542.2	542.2
175°	545.5	546.2	546.9	547.5	548.2	548.3	547.7	547.1	546.5	545.9	545.9
177.5°	547.6	548.1	548.7	549.2	549.7	549.8	549.3	548.8	548.4	547.9	548.0
180°	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1781.0	1776.9	1772.2	1764.0	1754.0	1748.7	1740.4	1735.1	1724.6	1715.7	1706.4
5°	1871.3	1852.3	1834.7	1811.8	1786.9	1770.7	1751.6	1730.3	1708.3	1685.5	1660.5
7.5°	1965.0	1931.2	1894.4	1854.9	1816.3	1780.7	1746.7	1713.4	1682.2	1644.6	1612.8
10°	2027.9	1985.3	1939.7	1886.0	1833.9	1788.4	1742.0	1701.7	1660.5	1616.4	1577.4
12.5°	2090.7	2034.0	1969.6	1910.7	1848.0	1793.0	1738.5	1687.0	1635.2	1586.4	1541.1
15°	2135.1	2085.2	2025.6	1941.9	1871.3	1795.7	1723.7	1656.8	1594.4	1540.0	1482.7
17.5°	2164.4	2100.0	2036.1	1955.7	1863.3	1778.7	1697.0	1620.5	1550.1	1481.2	1426.0
20°	2169.6	2103.6	2036.6	1958.0	1863.3	1766.3	1684.7	1592.9	1517.2	1446.0	1378.4
22.5°	2167.9	2092.9	2020.2	1939.3	1846.8	1757.5	1658.9	1565.3	1483.1	1413.1	1342.5
25°	2151.3	2071.2	1980.1	1898.6	1807.4	1712.7	1612.8	1515.8	1432.0	1351.9	1282.1
27.5°	2137.5	2033.6	1930.4	1835.3	1747.4	1660.5	1564.8	1465.5	1372.6	1291.5	1225.7
30°	2120.4	2006.6	1890.5	1791.3	1700.9	1616.4	1526.1	1429.1	1332.1	1252.7	1182.2
32.5°	2105.2	1972.5	1849.9	1741.9	1646.2	1564.1	1480.7	1388.5	1293.3	1212.8	1142.2
35°	2075.7	1922.0	1781.7	1659.7	1557.6	1473.1	1403.4	1317.4	1229.9	1152.1	1084.5
37.5°	2038.2	1856.0	1705.3	1577.4	1465.5	1376.5	1311.5	1245.5	1161.6	1086.6	1025.4
40°	2008.7	1808.9	1649.4	1518.7	1402.6	1310.0	1249.8	1187.3	1117.6	1047.7	983.1
42.5°	1971.7	1766.6	1593.1	1452.3	1337.4	1247.2	1183.9	1130.9	1069.3	1004.3	944.2
45°	1903.7	1689.9	1501.8	1350.5	1234.4	1145.5	1080.1	1040.4	994.1	932.4	881.7
47.5°	1803.6	1597.7	1403.2	1247.0	1127.2	1044.8	983.5	945.5	912.9	867.0	821.0
50°	1714.9	1529.0	1332.1	1177.0	1057.2	974.2	917.7	883.2	855.3	819.9	781.0
52.5°	1615.5	1442.6	1262.2	1108.9	990.2	908.4	853.0	822.7	799.4	774.1	735.7
55°	1457.7	1310.8	1143.2	997.8	888.3	808.2	759.7	733.3	714.2	695.0	671.6
57.5°	1283.8	1168.9	1020.6	887.6	786.7	713.9	668.6	642.9	628.0	618.2	604.4
60°	1161.6	1063.2	935.3	814.1	715.7	651.0	606.9	587.0	574.6	566.5	556.2
62.5°	1048.2	967.3	848.9	738.3	652.1	591.0	551.7	532.3	520.5	516.5	508.0
65°	880.9	818.5	720.8	629.0	555.4	503.3	470.2	451.9	444.5	440.1	440.8
67.5°	716.2	678.2	599.6	521.3	462.7	419.0	392.5	378.4	374.8	368.8	368.7
70°	615.7	587.0	520.9	452.6	400.4	366.6	343.1	328.4	324.7	321.8	321.1
72.5°	527.0	501.8	444.5	389.7	342.8	313.1	293.8	284.9	278.9	277.1	277.0
75°	396.1	382.1	336.5	293.1	260.8	240.3	227.1	219.0	214.5	213.8	214.5
77.5°	281.5	269.4	240.4	209.7	189.3	173.7	162.5	159.8	154.8	154.9	154.1
80°	211.6	203.5	185.1	160.9	144.0	130.8	124.9	119.8	118.3	116.1	118.3
82.5°	153.4	144.8	132.2	116.8	102.8	94.9	89.1	87.5	86.5	85.5	86.0
85°	75.7	76.4	69.1	57.3	51.5	47.0	43.4	43.4	42.6	41.8	42.6
87.5°	27.0	25.6	23.2	21.3	18.2	16.3	15.6	15.9	14.3	13.9	14.6
90°	5.5	4.8	4.1	3.5	2.7	2.0	1.2	0.5	1.2	2.0	2.7
92.5°	14.8	13.9	13.1	12.4	12.0	11.4	10.8	10.4	10.8	11.4	12.0
95°	31.0	30.1	29.1	28.6	28.4	28.2	28.0	27.8	28.0	28.2	28.4
97.5°	49.8	48.4	47.1	46.5	46.4	46.3	46.2	46.1	46.2	46.3	46.4
100°	62.9	61.6	60.4	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
102.5°	77.8	77.2	76.5	76.1	75.7	75.3	74.8	74.5	74.8	75.3	75.7
105°	100.9	100.4	99.8	99.3	98.8	98.3	97.8	97.4	97.8	98.3	98.8
107.5°	125.9	125.5	125.1	124.6	124.1	123.7	123.2	122.7	123.2	123.7	124.1
110°	143.0	142.7	142.4	142.0	141.6	141.1	140.6	140.2	140.6	141.1	141.6



TEST NUMBER: P333461-830

CATALOG NUMBER: S125DIW-S1270D470U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	159.9	159.6	159.2	158.9	158.6	158.3	158.2	157.9	158.2	158.3	158.6
115°	186.3	186.2	186.0	185.7	185.3	184.9	184.5	184.1	184.5	184.9	185.3
117.5°	211.6	211.5	211.3	211.1	210.9	210.8	210.6	210.5	210.6	210.8	210.9
120°	229.2	229.1	229.0	228.8	228.3	227.8	227.3	226.9	227.3	227.8	228.3
122.5°	246.0	245.7	245.5	245.2	245.2	245.0	244.8	244.6	244.8	245.0	245.2
125°	271.5	271.5	271.4	271.0	270.4	269.8	269.3	268.7	269.3	269.8	270.4
127.5°	296.1	296.0	295.9	295.7	295.3	295.0	294.6	294.4	294.6	295.0	295.3
130°	312.4	312.2	312.0	311.6	311.1	310.7	310.2	309.7	310.2	310.7	311.1
132.5°	328.5	328.6	328.6	328.2	327.4	326.7	325.8	325.1	325.8	326.7	327.4
135°	352.2	352.1	352.0	351.8	351.2	350.6	350.1	349.4	350.1	350.6	351.2
137.5°	375.3	375.1	374.9	374.6	374.0	373.4	372.9	372.3	372.9	373.4	374.0
140°	389.9	389.6	389.4	388.9	388.4	388.0	387.5	387.0	387.5	388.0	388.4
142.5°	404.4	404.1	403.7	403.3	402.9	402.6	402.1	401.7	402.1	402.6	402.9
145°	425.7	425.5	425.2	424.9	424.5	424.1	423.8	423.4	423.8	424.1	424.5
147.5°	444.9	444.6	444.4	444.2	443.9	443.7	443.6	443.4	443.6	443.7	443.9
150°	457.2	456.9	456.5	456.3	456.4	456.5	456.6	456.7	456.6	456.5	456.4
152.5°	468.6	468.4	468.3	468.2	468.0	467.9	467.8	467.6	467.8	467.9	468.0
155°	484.7	484.6	484.5	484.5	484.5	484.5	484.5	484.5	484.5	484.5	484.5
157.5°	498.8	498.7	498.6	498.6	498.9	499.1	499.3	499.5	499.3	499.1	498.9
160°	507.3	507.2	507.1	507.2	507.5	507.7	508.1	508.4	508.1	507.7	507.5
162.5°	515.3	515.3	515.3	515.4	515.6	515.9	516.0	516.2	516.0	515.9	515.6
165°	526.1	526.0	525.9	525.9	526.1	526.3	526.5	526.7	526.5	526.3	526.1
167.5°	534.0	534.0	534.0	534.1	534.5	534.9	535.3	535.6	535.3	534.9	534.5
170°	538.7	538.7	538.7	538.9	539.2	539.6	540.0	540.4	540.0	539.6	539.2
172.5°	542.2	542.2	542.2	542.3	542.7	543.1	543.5	543.8	543.5	543.1	542.7
175°	545.9	545.9	545.9	546.1	546.5	546.9	547.2	547.7	547.2	546.9	546.5
177.5°	548.1	548.2	548.2	548.4	548.7	549.0	549.3	549.6	549.3	549.0	548.7
180°	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9



TEST NUMBER: P333461-830

CATALOG NUMBER: S125DIW-S1270D470U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1701.0	1694.6	1689.3	1677.5	1671.0	1662.3	1655.2	1662.8	1654.6	1658.1	1652.8
5°	1648.0	1627.4	1612.8	1591.4	1573.1	1556.1	1543.7	1541.4	1535.6	1532.7	1523.8
7.5°	1584.2	1558.5	1533.2	1505.3	1481.8	1457.8	1442.6	1429.9	1421.5	1410.5	1403.1
10°	1546.6	1512.1	1482.7	1448.9	1419.5	1393.8	1373.2	1362.9	1353.4	1339.4	1334.3
12.5°	1500.2	1464.4	1428.6	1392.5	1364.2	1335.6	1318.0	1302.4	1295.8	1280.1	1278.5
15°	1444.4	1390.8	1355.6	1318.8	1279.9	1256.4	1241.7	1224.8	1217.5	1206.5	1198.3
17.5°	1378.1	1330.1	1286.1	1248.0	1214.7	1194.9	1176.6	1165.0	1152.4	1145.2	1131.9
20°	1329.8	1284.3	1240.2	1199.9	1174.1	1151.3	1136.6	1125.6	1112.4	1108.7	1095.5
22.5°	1289.3	1239.1	1196.7	1162.8	1134.7	1109.0	1093.2	1085.6	1076.6	1065.3	1062.5
25°	1223.3	1171.2	1135.2	1101.4	1076.4	1052.9	1041.9	1032.3	1023.5	1015.4	1012.5
27.5°	1166.3	1119.7	1076.9	1046.4	1024.6	1003.2	993.5	981.9	975.4	968.9	961.0
30°	1126.3	1078.6	1041.1	1011.7	988.3	969.1	958.8	950.7	944.9	939.0	934.6
32.5°	1085.2	1040.9	1004.7	975.9	952.3	937.9	928.9	923.1	916.6	909.6	904.0
35°	1030.9	982.3	947.1	922.1	903.7	892.7	882.4	877.2	870.0	870.0	864.0
37.5°	969.6	927.7	896.5	873.7	857.2	847.4	836.3	832.7	828.0	824.9	822.9
40°	933.1	894.2	864.8	842.0	824.3	816.2	807.5	801.6	798.6	794.9	793.5
42.5°	895.5	858.3	830.1	809.1	793.8	786.9	778.6	774.6	768.6	763.8	763.0
45°	838.3	802.3	776.7	759.7	746.5	738.4	733.3	724.4	721.5	715.7	714.9
47.5°	784.1	749.6	724.3	710.5	698.9	692.3	684.2	675.3	672.0	669.0	668.7
50°	743.6	712.0	688.4	675.2	664.2	654.7	646.6	640.6	638.5	638.5	640.0
52.5°	702.4	675.5	655.5	639.3	629.0	618.8	611.3	607.8	604.4	607.9	610.6
55°	642.2	615.0	600.3	584.8	574.6	562.8	559.1	557.7	555.4	561.4	564.3
57.5°	578.3	559.3	542.1	526.8	517.6	510.8	505.8	504.9	509.1	511.8	521.3
60°	537.8	515.8	500.4	488.6	477.6	473.2	471.7	470.2	473.2	481.3	493.7
62.5°	493.1	475.2	458.6	449.8	441.7	434.4	434.0	435.0	440.8	450.1	462.6
65°	427.6	412.2	401.1	390.9	384.3	379.8	381.4	384.3	390.9	403.4	417.4
67.5°	361.1	350.4	340.6	332.2	325.9	325.9	327.4	331.8	339.6	354.0	366.7
70°	318.1	306.4	298.3	294.6	289.5	286.5	291.0	298.3	304.9	318.1	329.1
72.5°	275.2	265.2	258.9	256.5	254.2	251.8	253.4	261.3	270.2	283.4	296.2
75°	211.6	207.9	203.5	200.6	198.4	199.8	201.3	208.7	216.0	230.0	244.7
77.5°	154.5	150.6	148.0	147.2	146.1	146.8	150.9	156.4	163.5	173.7	184.8
80°	116.8	115.4	113.9	113.1	113.1	113.9	119.8	123.5	130.1	139.6	148.5
82.5°	85.1	84.2	83.9	83.8	84.4	84.5	88.0	92.8	98.3	105.5	113.1
85°	44.9	43.4	45.5	46.3	44.9	47.0	48.4	51.5	53.6	57.3	61.0
87.5°	15.4	16.7	16.2	17.0	17.1	18.4	17.9	20.4	21.7	22.9	22.4
90°	3.5	4.1	4.8	5.5	6.1	6.9	7.4	7.8	8.3	8.8	9.1
92.5°	12.4	13.1	13.9	14.8	15.6	16.4	17.1	17.6	18.3	18.9	19.3
95°	28.6	29.1	30.1	31.0	32.0	32.9	33.6	34.2	34.9	35.5	36.0
97.5°	46.5	47.1	48.4	49.8	51.1	52.4	53.0	53.6	54.3	54.9	55.2
100°	59.9	60.4	61.6	62.9	64.1	65.3	66.3	67.1	68.0	68.8	69.3
102.5°	76.1	76.5	77.2	77.8	78.4	79.0	79.9	80.9	81.8	82.8	83.3
105°	99.3	99.8	100.4	100.9	101.5	102.1	102.6	103.2	103.8	104.3	104.8
107.5°	124.6	125.1	125.5	125.9	126.4	126.8	127.1	127.3	127.6	127.9	128.1
110°	142.0	142.4	142.7	143.0	143.3	143.5	143.8	144.1	144.4	144.7	144.8



TEST NUMBER: P333461-830

CATALOG NUMBER: S125DIW-S1270D470U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	158.9	159.2	159.6	159.9	160.2	160.6	160.8	160.9	161.0	161.2	161.2
115°	185.7	186.0	186.2	186.3	186.5	186.7	186.6	186.5	186.4	186.3	186.2
117.5°	211.1	211.3	211.5	211.6	211.8	212.0	212.1	212.2	212.2	212.3	212.2
120°	228.8	229.0	229.1	229.2	229.3	229.4	229.4	229.4	229.4	229.4	229.2
122.5°	245.2	245.5	245.7	246.0	246.3	246.5	246.4	246.4	246.3	246.2	246.0
125°	271.0	271.4	271.5	271.5	271.6	271.7	271.5	271.4	271.2	271.0	270.8
127.5°	295.7	295.9	296.0	296.1	296.1	296.3	296.2	296.1	296.1	296.0	295.8
130°	311.6	312.0	312.2	312.4	312.5	312.7	312.6	312.5	312.5	312.4	312.2
132.5°	328.2	328.6	328.6	328.5	328.5	328.4	328.3	328.2	328.1	328.0	327.9
135°	351.8	352.0	352.1	352.2	352.3	352.4	352.4	352.4	352.4	352.4	352.2
137.5°	374.6	374.9	375.1	375.3	375.5	375.8	375.9	376.0	376.1	376.3	376.1
140°	388.9	389.4	389.6	389.9	390.2	390.5	390.7	390.9	391.1	391.2	391.1
142.5°	403.3	403.7	404.1	404.4	404.8	405.2	405.3	405.4	405.5	405.6	405.4
145°	424.9	425.2	425.5	425.7	426.0	426.3	426.3	426.3	426.3	426.3	426.2
147.5°	444.2	444.4	444.6	444.9	445.1	445.4	445.5	445.7	446.0	446.2	446.0
150°	456.3	456.5	456.9	457.2	457.6	458.0	458.0	458.0	458.0	458.0	457.9
152.5°	468.2	468.3	468.4	468.6	468.7	468.9	469.1	469.4	469.6	469.8	469.8
155°	484.5	484.5	484.6	484.7	484.7	484.8	485.2	485.6	486.0	486.4	486.4
157.5°	498.6	498.6	498.7	498.8	498.9	499.0	499.4	499.7	500.1	500.5	500.4
160°	507.2	507.1	507.2	507.3	507.4	507.5	507.9	508.3	508.7	509.1	509.0
162.5°	515.4	515.3	515.3	515.3	515.4	515.4	515.9	516.3	516.7	517.2	517.2
165°	525.9	525.9	526.0	526.1	526.2	526.3	526.7	527.1	527.4	527.8	527.7
167.5°	534.1	534.0	534.0	534.0	534.0	534.0	534.5	535.1	535.6	536.2	536.2
170°	538.9	538.7	538.7	538.7	538.7	538.7	539.2	539.8	540.4	541.0	540.9
172.5°	542.3	542.2	542.2	542.2	542.2	542.2	542.7	543.3	543.8	544.4	544.4
175°	546.1	545.9	545.9	545.9	545.9	545.9	546.5	547.1	547.7	548.3	548.2
177.5°	548.4	548.2	548.2	548.1	548.0	547.9	548.4	548.8	549.3	549.8	549.7
180°	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9



TEST NUMBER: P333461-830

CATALOG NUMBER: S125DIW-S1270D470U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1649.4	1653.4	1649.9	1654.6	1649.9	1653.4	1649.4	1652.8	1658.1	1654.6	1662.8
5°	1520.1	1513.5	1518.0	1515.0	1518.0	1513.5	1520.1	1523.8	1532.7	1535.6	1541.4
7.5°	1400.8	1394.5	1387.3	1383.9	1387.3	1394.5	1400.8	1403.1	1410.5	1421.5	1429.9
10°	1326.2	1318.1	1317.4	1312.2	1317.4	1318.1	1326.2	1334.3	1339.4	1353.4	1362.9
12.5°	1271.5	1264.0	1255.7	1253.5	1255.7	1264.0	1271.5	1278.5	1280.1	1295.8	1302.4
15°	1193.9	1188.1	1182.9	1187.3	1182.9	1188.1	1193.9	1198.3	1206.5	1217.5	1224.8
17.5°	1129.4	1124.5	1123.7	1118.2	1123.7	1124.5	1129.4	1131.9	1145.2	1152.4	1165.0
20°	1088.9	1085.2	1086.7	1077.1	1086.7	1085.2	1088.9	1095.5	1108.7	1112.4	1125.6
22.5°	1056.6	1049.3	1048.5	1046.6	1048.5	1049.3	1056.6	1062.5	1065.3	1076.6	1085.6
25°	1005.9	1002.2	998.5	1002.2	998.5	1002.2	1005.9	1012.5	1015.4	1023.5	1032.3
27.5°	961.6	957.2	956.2	956.6	956.2	957.2	961.6	961.0	968.9	975.4	981.9
30°	934.6	927.3	927.9	927.3	927.9	927.3	934.6	934.6	939.0	944.9	950.7
32.5°	905.2	900.2	899.2	897.9	899.2	900.2	905.2	904.0	909.6	916.6	923.1
35°	861.9	861.9	858.2	858.2	858.2	861.9	861.9	864.0	870.0	870.0	877.2
37.5°	821.1	820.4	818.2	818.5	818.2	820.4	821.1	822.9	824.9	828.0	832.7
40°	790.6	789.9	787.6	783.3	787.6	789.9	790.6	793.5	794.9	798.6	801.6
42.5°	761.2	758.7	757.6	756.2	757.6	758.7	761.2	763.0	763.8	768.6	774.6
45°	714.9	714.9	713.4	712.7	713.4	714.9	714.9	714.9	715.7	721.5	724.4
47.5°	670.0	671.3	674.0	673.6	674.0	671.3	670.0	668.7	669.0	672.0	675.3
50°	642.9	643.7	645.8	646.6	645.8	643.7	642.9	640.0	638.5	638.5	640.6
52.5°	612.9	617.2	620.0	619.5	620.0	617.2	612.9	610.6	607.9	604.4	607.8
55°	570.9	576.0	581.2	581.9	581.2	576.0	570.9	564.3	561.4	555.4	557.7
57.5°	529.3	536.5	542.0	543.7	542.0	536.5	529.3	521.3	511.8	509.1	504.9
60°	501.1	510.7	517.3	520.2	517.3	510.7	501.1	493.7	481.3	473.2	470.2
62.5°	474.0	484.7	491.3	492.0	491.3	484.7	474.0	462.6	450.1	440.8	435.0
65°	429.8	440.8	446.7	451.1	446.7	440.8	429.8	417.4	403.4	390.9	384.3
67.5°	382.2	393.2	399.7	403.2	399.7	393.2	382.2	366.7	354.0	339.6	331.8
70°	347.5	358.5	367.4	370.3	367.4	358.5	347.5	329.1	318.1	304.9	298.3
72.5°	313.4	323.3	330.4	333.8	330.4	323.3	313.4	296.2	283.4	270.2	261.3
75°	254.2	267.4	274.1	277.8	274.1	267.4	254.2	244.7	230.0	216.0	208.7
77.5°	196.0	208.1	212.1	214.0	212.1	208.1	196.0	184.8	173.7	163.5	156.4
80°	157.2	164.6	169.8	170.4	169.8	164.6	157.2	148.5	139.6	130.1	123.5
82.5°	120.8	127.0	128.6	130.4	128.6	127.0	120.8	113.1	105.5	98.3	92.8
85°	66.2	69.1	69.8	69.1	69.8	69.1	66.2	61.0	57.3	53.6	51.5
87.5°	23.7	23.1	23.2	24.4	23.2	23.1	23.7	22.4	22.9	21.7	20.4
90°	9.4	9.7	10.0	10.3	10.0	9.7	9.4	9.1	8.8	8.3	7.8
92.5°	19.5	19.7	20.0	20.2	20.0	19.7	19.5	19.3	18.9	18.3	17.6
95°	36.2	36.4	36.6	36.8	36.6	36.4	36.2	36.0	35.5	34.9	34.2
97.5°	55.3	55.5	55.6	55.7	55.6	55.5	55.3	55.2	54.9	54.3	53.6
100°	69.5	69.7	69.8	70.0	69.8	69.7	69.5	69.3	68.8	68.0	67.1
102.5°	83.6	83.9	84.2	84.5	84.2	83.9	83.6	83.3	82.8	81.8	80.9
105°	105.1	105.4	105.7	105.9	105.7	105.4	105.1	104.8	104.3	103.8	103.2
107.5°	128.1	128.0	128.0	128.0	128.0	128.0	128.1	128.1	127.9	127.6	127.3
110°	144.7	144.6	144.5	144.4	144.5	144.6	144.7	144.8	144.7	144.4	144.1



TEST NUMBER: P333461-830

CATALOG NUMBER: S125DIW-S1270D470U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	161.0	160.8	160.6	160.4	160.6	160.8	161.0	161.2	161.2	161.0	160.9
115°	186.2	186.1	186.0	185.9	186.0	186.1	186.2	186.2	186.3	186.4	186.5
117.5°	211.8	211.4	210.9	210.6	210.9	211.4	211.8	212.2	212.3	212.2	212.2
120°	228.8	228.5	228.1	227.7	228.1	228.5	228.8	229.2	229.4	229.4	229.4
122.5°	245.7	245.4	245.1	244.8	245.1	245.4	245.7	246.0	246.2	246.3	246.4
125°	270.7	270.6	270.5	270.4	270.5	270.6	270.7	270.8	271.0	271.2	271.4
127.5°	295.6	295.4	295.2	295.0	295.2	295.4	295.6	295.8	296.0	296.1	296.1
130°	312.0	311.8	311.6	311.4	311.6	311.8	312.0	312.2	312.4	312.5	312.5
132.5°	327.6	327.3	327.1	326.8	327.1	327.3	327.6	327.9	328.0	328.1	328.2
135°	351.9	351.5	351.1	350.7	351.1	351.5	351.9	352.2	352.4	352.4	352.4
137.5°	375.6	375.1	374.6	374.1	374.6	375.1	375.6	376.1	376.3	376.1	376.0
140°	390.6	390.1	389.6	389.2	389.6	390.1	390.6	391.1	391.2	391.1	390.9
142.5°	404.9	404.4	404.0	403.5	404.0	404.4	404.9	405.4	405.6	405.5	405.4
145°	425.9	425.7	425.4	425.1	425.4	425.7	425.9	426.2	426.3	426.3	426.3
147.5°	445.4	444.7	444.0	443.5	444.0	444.7	445.4	446.0	446.2	446.0	445.7
150°	457.7	457.5	457.3	457.1	457.3	457.5	457.7	457.9	458.0	458.0	458.0
152.5°	469.4	469.1	468.7	468.3	468.7	469.1	469.4	469.8	469.8	469.6	469.4
155°	485.9	485.4	484.9	484.5	484.9	485.4	485.9	486.4	486.4	486.0	485.6
157.5°	499.7	499.1	498.5	497.9	498.5	499.1	499.7	500.4	500.5	500.1	499.7
160°	508.5	508.0	507.6	507.1	507.6	508.0	508.5	509.0	509.1	508.7	508.3
162.5°	516.6	516.0	515.5	514.9	515.5	516.0	516.6	517.2	517.2	516.7	516.3
165°	527.2	526.6	526.0	525.5	526.0	526.6	527.2	527.7	527.8	527.4	527.1
167.5°	535.6	535.0	534.4	533.9	534.4	535.0	535.6	536.2	536.2	535.6	535.1
170°	540.3	539.6	538.9	538.3	538.9	539.6	540.3	540.9	541.0	540.4	539.8
172.5°	543.8	543.2	542.6	542.1	542.6	543.2	543.8	544.4	544.4	543.8	543.3
175°	547.5	546.9	546.2	545.5	546.2	546.9	547.5	548.2	548.3	547.7	547.1
177.5°	549.2	548.7	548.1	547.6	548.1	548.7	549.2	549.7	549.8	549.3	548.8
180°	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9



TEST NUMBER: P333461-830

CATALOG NUMBER: S125DIW-S1270D470U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1655.2	1662.3	1671.0	1677.5	1689.3	1694.6	1701.0	1706.4	1715.7	1724.6	1735.1
5°	1543.7	1556.1	1573.1	1591.4	1612.8	1627.4	1648.0	1660.5	1685.5	1708.3	1730.3
7.5°	1442.6	1457.8	1481.8	1505.3	1533.2	1558.5	1584.2	1612.8	1644.6	1682.2	1713.4
10°	1373.2	1393.8	1419.5	1448.9	1482.7	1512.1	1546.6	1577.4	1616.4	1660.5	1701.7
12.5°	1318.0	1335.6	1364.2	1392.5	1428.6	1464.4	1500.2	1541.1	1586.4	1635.2	1687.0
15°	1241.7	1256.4	1279.9	1318.8	1355.6	1390.8	1444.4	1482.7	1540.0	1594.4	1656.8
17.5°	1176.6	1194.9	1214.7	1248.0	1286.1	1330.1	1378.1	1426.0	1481.2	1550.1	1620.5
20°	1136.6	1151.3	1174.1	1199.9	1240.2	1284.3	1329.8	1378.4	1446.0	1517.2	1592.9
22.5°	1093.2	1109.0	1134.7	1162.8	1196.7	1239.1	1289.3	1342.5	1413.1	1483.1	1565.3
25°	1041.9	1052.9	1076.4	1101.4	1135.2	1171.2	1223.3	1282.1	1351.9	1432.0	1515.8
27.5°	993.5	1003.2	1024.6	1046.4	1076.9	1119.7	1166.3	1225.7	1291.5	1372.6	1465.5
30°	958.8	969.1	988.3	1011.7	1041.1	1078.6	1126.3	1182.2	1252.7	1332.1	1429.1
32.5°	928.9	937.9	952.3	975.9	1004.7	1040.9	1085.2	1142.2	1212.8	1293.3	1388.5
35°	882.4	892.7	903.7	922.1	947.1	982.3	1030.9	1084.5	1152.1	1229.9	1317.4
37.5°	836.3	847.4	857.2	873.7	896.5	927.7	969.6	1025.4	1086.6	1161.6	1245.5
40°	807.5	816.2	824.3	842.0	864.8	894.2	933.1	983.1	1047.7	1117.6	1187.3
42.5°	778.6	786.9	793.8	809.1	830.1	858.3	895.5	944.2	1004.3	1069.3	1130.9
45°	733.3	738.4	746.5	759.7	776.7	802.3	838.3	881.7	932.4	994.1	1040.4
47.5°	684.2	692.3	698.9	710.5	724.3	749.6	784.1	821.0	867.0	912.9	945.5
50°	646.6	654.7	664.2	675.2	688.4	712.0	743.6	781.0	819.9	855.3	883.2
52.5°	611.3	618.8	629.0	639.3	655.5	675.5	702.4	735.7	774.1	799.4	822.7
55°	559.1	562.8	574.6	584.8	600.3	615.0	642.2	671.6	695.0	714.2	733.3
57.5°	505.8	510.8	517.6	526.8	542.1	559.3	578.3	604.4	618.2	628.0	642.9
60°	471.7	473.2	477.6	488.6	500.4	515.8	537.8	556.2	566.5	574.6	587.0
62.5°	434.0	434.4	441.7	449.8	458.6	475.2	493.1	508.0	516.5	520.5	532.3
65°	381.4	379.8	384.3	390.9	401.1	412.2	427.6	440.8	440.1	444.5	451.9
67.5°	327.4	325.9	325.9	332.2	340.6	350.4	361.1	368.7	368.8	374.8	378.4
70°	291.0	286.5	289.5	294.6	298.3	306.4	318.1	321.1	321.8	324.7	328.4
72.5°	253.4	251.8	254.2	256.5	258.9	265.2	275.2	277.0	277.1	278.9	284.9
75°	201.3	199.8	198.4	200.6	203.5	207.9	211.6	214.5	213.8	214.5	219.0
77.5°	150.9	146.8	146.1	147.2	148.0	150.6	154.5	154.1	154.9	154.8	159.8
80°	119.8	113.9	113.1	113.1	113.9	115.4	116.8	118.3	116.1	118.3	119.8
82.5°	88.0	84.5	84.4	83.8	83.9	84.2	85.1	86.0	85.5	86.5	87.5
85°	48.4	47.0	44.9	46.3	45.5	43.4	44.9	42.6	41.8	42.6	43.4
87.5°	17.9	18.4	17.1	17.0	16.2	16.7	15.4	14.6	13.9	14.3	15.9
90°	7.4	6.9	6.1	5.5	4.8	4.1	3.5	2.7	2.0	1.2	0.5
92.5°	17.1	16.4	15.6	14.8	13.9	13.1	12.4	12.0	11.4	10.8	10.4
95°	33.6	32.9	32.0	31.0	30.1	29.1	28.6	28.4	28.2	28.0	27.8
97.5°	53.0	52.4	51.1	49.8	48.4	47.1	46.5	46.4	46.3	46.2	46.1
100°	66.3	65.3	64.1	62.9	61.6	60.4	59.9	59.9	59.9	59.9	59.9
102.5°	79.9	79.0	78.4	77.8	77.2	76.5	76.1	75.7	75.3	74.8	74.5
105°	102.6	102.1	101.5	100.9	100.4	99.8	99.3	98.8	98.3	97.8	97.4
107.5°	127.1	126.8	126.4	125.9	125.5	125.1	124.6	124.1	123.7	123.2	122.7
110°	143.8	143.5	143.3	143.0	142.7	142.4	142.0	141.6	141.1	140.6	140.2



TEST NUMBER: P333461-830

CATALOG NUMBER: S125DIW-S1270D470U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	160.8	160.6	160.2	159.9	159.6	159.2	158.9	158.6	158.3	158.2	157.9
115°	186.6	186.7	186.5	186.3	186.2	186.0	185.7	185.3	184.9	184.5	184.1
117.5°	212.1	212.0	211.8	211.6	211.5	211.3	211.1	210.9	210.8	210.6	210.5
120°	229.4	229.4	229.3	229.2	229.1	229.0	228.8	228.3	227.8	227.3	226.9
122.5°	246.4	246.5	246.3	246.0	245.7	245.5	245.2	245.2	245.0	244.8	244.6
125°	271.5	271.7	271.6	271.5	271.5	271.4	271.0	270.4	269.8	269.3	268.7
127.5°	296.2	296.3	296.1	296.1	296.0	295.9	295.7	295.3	295.0	294.6	294.4
130°	312.6	312.7	312.5	312.4	312.2	312.0	311.6	311.1	310.7	310.2	309.7
132.5°	328.3	328.4	328.5	328.5	328.6	328.6	328.2	327.4	326.7	325.8	325.1
135°	352.4	352.4	352.3	352.2	352.1	352.0	351.8	351.2	350.6	350.1	349.4
137.5°	375.9	375.8	375.5	375.3	375.1	374.9	374.6	374.0	373.4	372.9	372.3
140°	390.7	390.5	390.2	389.9	389.6	389.4	388.9	388.4	388.0	387.5	387.0
142.5°	405.3	405.2	404.8	404.4	404.1	403.7	403.3	402.9	402.6	402.1	401.7
145°	426.3	426.3	426.0	425.7	425.5	425.2	424.9	424.5	424.1	423.8	423.4
147.5°	445.5	445.4	445.1	444.9	444.6	444.4	444.2	443.9	443.7	443.6	443.4
150°	458.0	458.0	457.6	457.2	456.9	456.5	456.3	456.4	456.5	456.6	456.7
152.5°	469.1	468.9	468.7	468.6	468.4	468.3	468.2	468.0	467.9	467.8	467.6
155°	485.2	484.8	484.7	484.7	484.6	484.5	484.5	484.5	484.5	484.5	484.5
157.5°	499.4	499.0	498.9	498.8	498.7	498.6	498.6	498.9	499.1	499.3	499.5
160°	507.9	507.5	507.4	507.3	507.2	507.1	507.2	507.5	507.7	508.1	508.4
162.5°	515.9	515.4	515.4	515.3	515.3	515.3	515.4	515.6	515.9	516.0	516.2
165°	526.7	526.3	526.2	526.1	526.0	525.9	525.9	526.1	526.3	526.5	526.7
167.5°	534.5	534.0	534.0	534.0	534.0	534.0	534.1	534.5	534.9	535.3	535.6
170°	539.2	538.7	538.7	538.7	538.7	538.7	538.9	539.2	539.6	540.0	540.4
172.5°	542.7	542.2	542.2	542.2	542.2	542.2	542.3	542.7	543.1	543.5	543.8
175°	546.5	545.9	545.9	545.9	545.9	545.9	546.1	546.5	546.9	547.2	547.7
177.5°	548.4	547.9	548.0	548.1	548.2	548.2	548.4	548.7	549.0	549.3	549.6
180°	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9



TEST NUMBER: P333461-830

CATALOG NUMBER: S125DIW-S1270D470U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1740.4	1748.7	1754.0	1764.0	1772.2	1776.9	1781.0	1784.5	1788.7	1792.2	1802.1
5°	1751.6	1770.7	1786.9	1811.8	1834.7	1852.3	1871.3	1888.3	1902.2	1922.0	1937.5
7.5°	1746.7	1780.7	1816.3	1854.9	1894.4	1931.2	1965.0	1996.6	2025.2	2059.9	2090.3
10°	1742.0	1788.4	1833.9	1886.0	1939.7	1985.3	2027.9	2071.2	2102.8	2146.9	2184.3
12.5°	1738.5	1793.0	1848.0	1910.7	1969.6	2034.0	2090.7	2122.3	2170.4	2205.6	2250.2
15°	1723.7	1795.7	1871.3	1941.9	2025.6	2085.2	2135.1	2196.9	2241.6	2286.5	2335.0
17.5°	1697.0	1778.7	1863.3	1955.7	2036.1	2100.0	2164.4	2223.9	2277.4	2337.5	2397.8
20°	1684.7	1766.3	1863.3	1958.0	2036.6	2103.6	2169.6	2235.1	2293.9	2371.0	2440.8
22.5°	1658.9	1757.5	1846.8	1939.3	2020.2	2092.9	2167.9	2242.1	2320.3	2407.4	2494.8
25°	1612.8	1712.7	1807.4	1898.6	1980.1	2071.2	2151.3	2250.5	2350.4	2465.8	2574.5
27.5°	1564.8	1660.5	1747.4	1835.3	1930.4	2033.6	2137.5	2250.0	2380.9	2526.5	2679.8
30°	1526.1	1616.4	1700.9	1791.3	1890.5	2006.6	2120.4	2254.2	2405.6	2569.4	2751.6
32.5°	1480.7	1564.1	1646.2	1741.9	1849.9	1972.5	2105.2	2251.8	2433.7	2619.9	2807.5
35°	1403.4	1473.1	1557.6	1659.7	1781.7	1922.0	2075.7	2249.0	2457.7	2671.4	2829.4
37.5°	1311.5	1376.5	1465.5	1577.4	1705.3	1856.0	2038.2	2243.9	2465.5	2635.9	2686.9
40°	1249.8	1310.0	1402.6	1518.7	1649.4	1808.9	2008.7	2226.3	2440.8	2549.5	2507.6
42.5°	1183.9	1247.2	1337.4	1452.3	1593.1	1766.6	1971.7	2189.2	2369.1	2410.2	2265.5
45°	1080.1	1145.5	1234.4	1350.5	1501.8	1689.9	1903.7	2101.3	2204.9	2130.7	1906.7
47.5°	983.5	1044.8	1127.2	1247.0	1403.2	1597.7	1803.6	1961.3	1969.5	1792.4	1553.1
50°	917.7	974.2	1057.2	1177.0	1332.1	1529.0	1714.9	1839.0	1783.2	1582.6	1352.6
52.5°	853.0	908.4	990.2	1108.9	1262.2	1442.6	1615.5	1702.7	1597.4	1391.6	1195.1
55°	759.7	808.2	888.3	997.8	1143.2	1310.8	1457.7	1487.8	1351.1	1148.4	988.9
57.5°	668.6	713.9	786.7	887.6	1020.6	1168.9	1283.8	1277.4	1132.9	958.9	832.5
60°	606.9	651.0	715.7	814.1	935.3	1063.2	1161.6	1138.1	994.9	845.0	738.4
62.5°	551.7	591.0	652.1	738.3	848.9	967.3	1048.2	1013.5	873.2	742.1	657.9
65°	470.2	503.3	555.4	629.0	720.8	818.5	880.9	836.1	716.3	614.3	546.7
67.5°	392.5	419.0	462.7	521.3	599.6	678.2	716.2	671.1	575.3	500.8	450.7
70°	343.1	366.6	400.4	452.6	520.9	587.0	615.7	575.3	493.0	429.0	393.0
72.5°	293.8	313.1	342.8	389.7	444.5	501.8	527.0	488.3	420.8	366.7	333.1
75°	227.1	240.3	260.8	293.1	336.5	382.1	396.1	362.2	318.9	278.4	256.5
77.5°	162.5	173.7	189.3	209.7	240.4	269.4	281.5	262.0	228.5	202.9	184.8
80°	124.9	130.8	144.0	160.9	185.1	203.5	211.6	199.2	175.6	156.5	142.5
82.5°	89.1	94.9	102.8	116.8	132.2	144.8	153.4	145.1	128.0	113.0	104.9
85°	43.4	47.0	51.5	57.3	69.1	76.4	75.7	70.5	63.9	58.1	53.6
87.5°	15.6	16.3	18.2	21.3	23.2	25.6	27.0	25.9	23.7	22.1	20.4
90°	1.2	2.0	2.7	3.5	4.1	4.8	5.5	6.1	6.9	7.4	7.8
92.5°	10.8	11.4	12.0	12.4	13.1	13.9	14.8	15.6	16.4	17.1	17.6
95°	28.0	28.2	28.4	28.6	29.1	30.1	31.0	32.0	32.9	33.6	34.2
97.5°	46.2	46.3	46.4	46.5	47.1	48.4	49.8	51.1	52.4	53.0	53.6
100°	59.9	59.9	59.9	59.9	60.4	61.6	62.9	64.1	65.3	66.3	67.1
102.5°	74.8	75.3	75.7	76.1	76.5	77.2	77.8	78.4	79.0	79.9	80.9
105°	97.8	98.3	98.8	99.3	99.8	100.4	100.9	101.5	102.1	102.6	103.2
107.5°	123.2	123.7	124.1	124.6	125.1	125.5	125.9	126.4	126.8	127.1	127.3
110°	140.6	141.1	141.6	142.0	142.4	142.7	143.0	143.3	143.5	143.8	144.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	158.2	158.3	158.6	158.9	159.2	159.6	159.9	160.2	160.6	160.8	160.9
115°	184.5	184.9	185.3	185.7	186.0	186.2	186.3	186.5	186.7	186.6	186.5
117.5°	210.6	210.8	210.9	211.1	211.3	211.5	211.6	211.8	212.0	212.1	212.2
120°	227.3	227.8	228.3	228.8	229.0	229.1	229.2	229.3	229.4	229.4	229.4
122.5°	244.8	245.0	245.2	245.2	245.5	245.7	246.0	246.3	246.5	246.4	246.4
125°	269.3	269.8	270.4	271.0	271.4	271.5	271.5	271.6	271.7	271.5	271.4
127.5°	294.6	295.0	295.3	295.7	295.9	296.0	296.1	296.1	296.3	296.2	296.1
130°	310.2	310.7	311.1	311.6	312.0	312.2	312.4	312.5	312.7	312.6	312.5
132.5°	325.8	326.7	327.4	328.2	328.6	328.6	328.5	328.5	328.4	328.3	328.2
135°	350.1	350.6	351.2	351.8	352.0	352.1	352.2	352.3	352.4	352.4	352.4
137.5°	372.9	373.4	374.0	374.6	374.9	375.1	375.3	375.5	375.8	375.9	376.0
140°	387.5	388.0	388.4	388.9	389.4	389.6	389.9	390.2	390.5	390.7	390.9
142.5°	402.1	402.6	402.9	403.3	403.7	404.1	404.4	404.8	405.2	405.3	405.4
145°	423.8	424.1	424.5	424.9	425.2	425.5	425.7	426.0	426.3	426.3	426.3
147.5°	443.6	443.7	443.9	444.2	444.4	444.6	444.9	445.1	445.4	445.5	445.7
150°	456.6	456.5	456.4	456.3	456.5	456.9	457.2	457.6	458.0	458.0	458.0
152.5°	467.8	467.9	468.0	468.2	468.3	468.4	468.6	468.7	468.9	469.1	469.4
155°	484.5	484.5	484.5	484.5	484.5	484.6	484.7	484.7	484.8	485.2	485.6
157.5°	499.3	499.1	498.9	498.6	498.6	498.7	498.8	498.9	499.0	499.4	499.7
160°	508.1	507.7	507.5	507.2	507.1	507.2	507.3	507.4	507.5	507.9	508.3
162.5°	516.0	515.9	515.6	515.4	515.3	515.3	515.3	515.4	515.4	515.9	516.3
165°	526.5	526.3	526.1	525.9	525.9	526.0	526.1	526.2	526.3	526.7	527.1
167.5°	535.3	534.9	534.5	534.1	534.0	534.0	534.0	534.0	534.0	534.5	535.1
170°	540.0	539.6	539.2	538.9	538.7	538.7	538.7	538.7	538.7	539.2	539.8
172.5°	543.5	543.1	542.7	542.3	542.2	542.2	542.2	542.2	542.2	542.7	543.3
175°	547.2	546.9	546.5	546.1	545.9	545.9	545.9	545.9	545.9	546.5	547.1
177.5°	549.3	549.0	548.7	548.4	548.2	548.2	548.1	548.0	547.9	548.4	548.8
180°	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1810.3	1815.1	1825.0	1821.6	1826.3	1828.6	1831.0
5°	1956.6	1980.1	1990.4	1989.0	2004.3	2000.6	1997.0
7.5°	2121.8	2146.5	2160.3	2177.5	2187.5	2188.2	2196.9
10°	2215.3	2247.6	2260.8	2279.2	2290.9	2297.5	2296.8
12.5°	2286.9	2312.2	2341.8	2350.9	2366.7	2375.1	2372.0
15°	2373.2	2413.6	2444.5	2459.8	2479.7	2485.6	2493.7
17.5°	2450.2	2504.4	2540.4	2588.3	2606.4	2617.4	2610.9
20°	2508.4	2579.6	2615.6	2673.0	2704.5	2721.5	2715.6
22.5°	2577.2	2654.3	2720.8	2770.5	2818.6	2841.4	2846.1
25°	2695.0	2800.8	2898.5	2963.9	3023.4	3037.3	3068.3
27.5°	2826.7	2951.4	3055.9	3124.7	3166.1	3181.6	3191.4
30°	2909.5	3033.7	3112.4	3156.4	3169.7	3168.2	3166.7
32.5°	2950.1	3027.8	3043.0	3030.7	3000.4	2974.8	2948.1
35°	2892.7	2834.6	2747.9	2636.2	2553.9	2470.9	2462.9
37.5°	2601.5	2415.9	2271.6	2110.4	2017.4	1960.0	1920.3
40°	2327.6	2116.8	1941.9	1806.0	1711.2	1673.8	1637.0
42.5°	2030.2	1828.7	1673.9	1560.3	1489.0	1447.5	1418.3
45°	1649.4	1471.7	1350.5	1268.2	1211.5	1179.2	1160.8
47.5°	1351.6	1220.1	1117.1	1057.7	1018.6	993.5	993.6
50°	1191.8	1066.1	997.8	950.7	916.9	897.1	900.8
52.5°	1050.1	956.2	897.9	858.5	833.5	821.2	820.9
55°	878.0	810.4	772.2	743.6	726.6	712.7	715.7
57.5°	751.0	694.0	668.5	644.7	632.9	627.4	619.3
60°	672.3	628.2	606.1	587.0	575.3	570.9	562.8
62.5°	602.4	567.7	546.2	530.7	520.0	518.6	512.3
65°	506.2	479.8	460.7	453.4	442.3	439.4	439.4
67.5°	417.4	398.4	383.5	376.7	371.9	372.7	369.1
70°	361.5	346.1	336.5	329.1	325.5	326.2	323.3
72.5°	316.2	299.1	290.7	286.3	281.4	283.3	282.1
75°	239.5	230.7	226.3	221.9	219.0	217.4	216.0
77.5°	175.9	168.1	164.8	162.2	162.7	159.1	161.9
80°	135.9	129.3	127.1	123.5	122.7	122.7	122.0
82.5°	99.4	95.8	94.2	91.1	89.8	91.0	89.1
85°	51.5	48.4	47.8	47.8	46.3	44.9	48.4
87.5°	20.5	18.2	18.3	17.7	17.8	17.2	16.1
90°	8.3	8.8	9.1	9.4	9.7	10.0	10.3
92.5°	18.3	18.9	19.3	19.5	19.7	20.0	20.2
95°	34.9	35.5	36.0	36.2	36.4	36.6	36.8
97.5°	54.3	54.9	55.2	55.3	55.5	55.6	55.7
100°	68.0	68.8	69.3	69.5	69.7	69.8	70.0
102.5°	81.8	82.8	83.3	83.6	83.9	84.2	84.5
105°	103.8	104.3	104.8	105.1	105.4	105.7	105.9
107.5°	127.6	127.9	128.1	128.1	128.0	128.0	128.0
110°	144.4	144.7	144.8	144.7	144.6	144.5	144.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	161.0	161.2	161.2	161.0	160.8	160.6	160.4
115°	186.4	186.3	186.2	186.2	186.1	186.0	185.9
117.5°	212.2	212.3	212.2	211.8	211.4	210.9	210.6
120°	229.4	229.4	229.2	228.8	228.5	228.1	227.7
122.5°	246.3	246.2	246.0	245.7	245.4	245.1	244.8
125°	271.2	271.0	270.8	270.7	270.6	270.5	270.4
127.5°	296.1	296.0	295.8	295.6	295.4	295.2	295.0
130°	312.5	312.4	312.2	312.0	311.8	311.6	311.4
132.5°	328.1	328.0	327.9	327.6	327.3	327.1	326.8
135°	352.4	352.4	352.2	351.9	351.5	351.1	350.7
137.5°	376.1	376.3	376.1	375.6	375.1	374.6	374.1
140°	391.1	391.2	391.1	390.6	390.1	389.6	389.2
142.5°	405.5	405.6	405.4	404.9	404.4	404.0	403.5
145°	426.3	426.3	426.2	425.9	425.7	425.4	425.1
147.5°	446.0	446.2	446.0	445.4	444.7	444.0	443.5
150°	458.0	458.0	457.9	457.7	457.5	457.3	457.1
152.5°	469.6	469.8	469.8	469.4	469.1	468.7	468.3
155°	486.0	486.4	486.4	485.9	485.4	484.9	484.5
157.5°	500.1	500.5	500.4	499.7	499.1	498.5	497.9
160°	508.7	509.1	509.0	508.5	508.0	507.6	507.1
162.5°	516.7	517.2	517.2	516.6	516.0	515.5	514.9
165°	527.4	527.8	527.7	527.2	526.6	526.0	525.5
167.5°	535.6	536.2	536.2	535.6	535.0	534.4	533.9
170°	540.4	541.0	540.9	540.3	539.6	538.9	538.3
172.5°	543.8	544.4	544.4	543.8	543.2	542.6	542.1
175°	547.7	548.3	548.2	547.5	546.9	546.2	545.5
177.5°	549.3	549.8	549.7	549.2	548.7	548.1	547.6
180°	548.9	548.9	548.9	548.9	548.9	548.9	548.9

(END OF REPORT)