

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: P333618-840

Luminaire Tested: **S125RDIP-S1270D590U840-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333618-840  
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: S125RDIP-S1270D590U840-4F0-1E-UDD-A4  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 590 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7112.6 lumens  
Efficiency: N/A  
Efficacy: 129.1 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: Semi-Direct

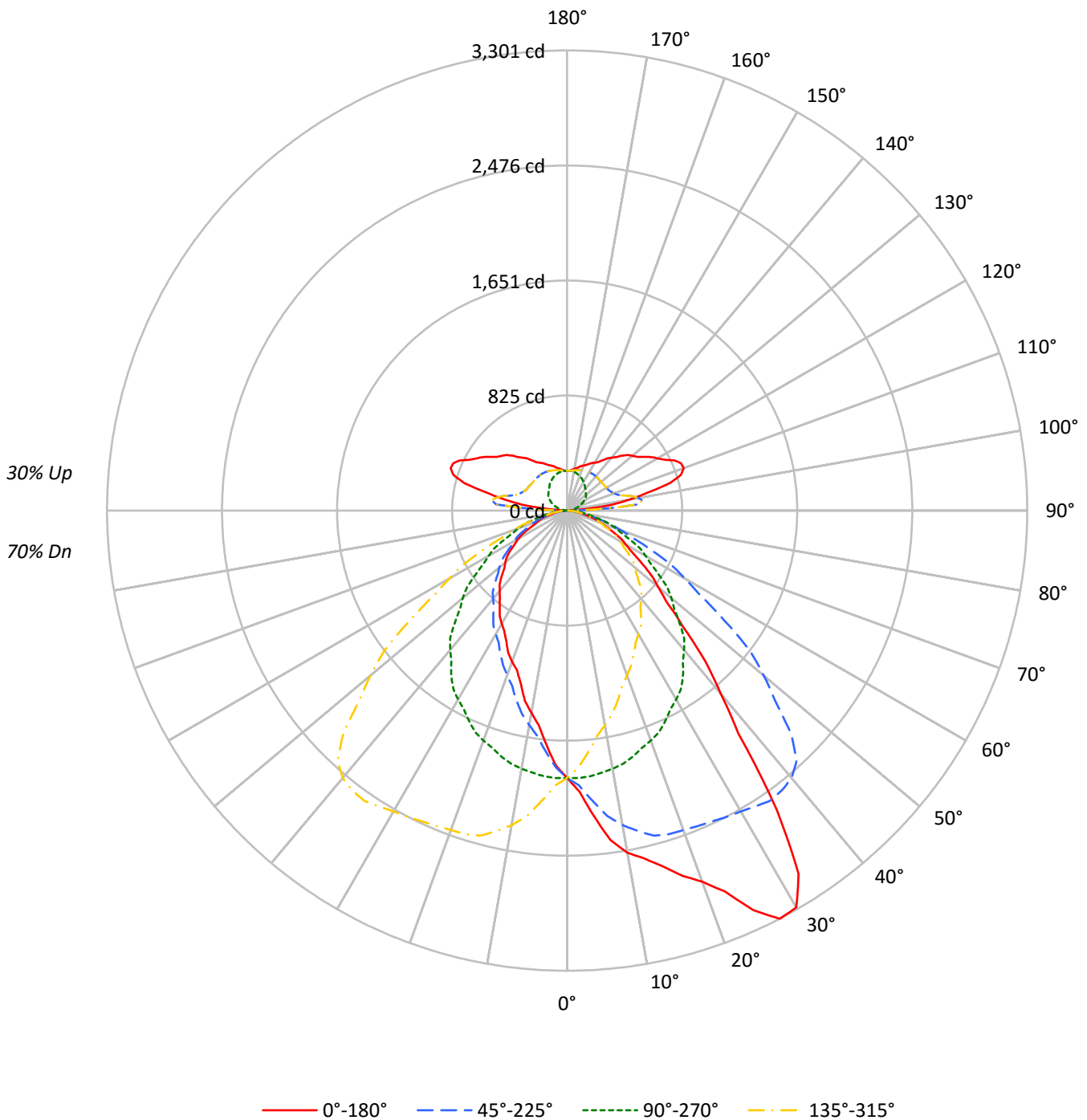
Input Watts (W): 55.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74	74	74	74	70	
1	103	99	95	91	97	93	90	87	84	81	79	75	73	71	67	65	64	64	64	64	60	
2	94	87	81	76	89	82	77	72	74	70	66	66	63	60	59	57	55	55	55	55	51	
3	86	77	70	64	81	73	66	61	66	61	56	59	55	52	53	50	47	47	47	47	44	
4	79	68	60	54	75	65	58	52	59	53	49	53	48	45	48	44	41	41	41	41	38	
5	73	61	53	47	69	58	51	45	53	47	42	48	43	39	43	39	36	36	36	36	33	
6	67	55	47	41	64	53	45	40	48	42	37	43	38	34	39	35	32	32	32	32	29	
7	62	50	42	36	59	48	40	35	44	37	33	40	35	31	36	32	28	28	28	28	26	
8	58	46	38	32	55	44	36	31	40	34	29	36	31	27	33	29	26	26	26	26	23	
9	54	42	34	29	51	40	33	28	37	31	26	34	28	25	31	26	23	23	23	23	21	
10	51	38	31	26	48	37	30	25	34	28	24	31	26	23	28	24	21	21	21	21	19	

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

	0°	90°	180°	270°
0°	12385	12385	12385	12385
5°	14249	12401	10952	12401
10°	16344	12338	9664	12338
15°	17653	12211	8590	12211
20°	19467	12065	7932	12065
25°	22528	11870	7360	11870
30°	24515	11665	6986	11665
35°	20679	11427	6641	11427
40°	14441	10997	6345	10997
45°	10714	10418	6054	10418
50°	8542	9815	5805	9815
55°	7250	9067	5584	9067
60°	6263	8400	5227	8400
65°	5582	7674	4499	7674
70°	4904	7030	4101	7030
75°	4245	6089	3850	6089
80°	3217	5121	3217	5121
85°	2690	4024	3031	4024



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	183.9	2.6
10°-20°	538.9	7.6
20°-30°	854.5	12.0
30°-40°	1030.4	14.5
40°-50°	920.2	12.9
50°-60°	705.7	9.9
60°-70°	458.6	6.4
70°-80°	223.0	3.1
80°-90°	54.8	0.8
90°-100°	207.1	2.9
100°-110°	445.2	6.3
110°-120°	417.8	5.9
120°-130°	338.6	4.8
130°-140°	271.7	3.8
140°-150°	205.1	2.9
150°-160°	144.3	2.0
160°-170°	85.1	1.2
170°-180°	27.7	0.4
0°-30°	1577.3	22.2
0°-40°	2607.7	36.7
0°-60°	4233.5	59.5
0°-90°	4969.9	69.9
90°-120°	1070.2	15.0
90°-150°	1885.6	26.5
90°-180°	2143.0	30.1
0°-180°	7112.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1918	1918	1918	1918	1918	
5°	2198	1913	1689	1913	2198	220
15°	2640	1826	1285	1826	2640	757
25°	3161	1666	1033	1666	3161	1452
35°	2623	1449	842	1449	2623	1584
45°	1173	1141	663	1141	1173	936
55°	644	805	496	805	644	584
65°	365	502	294	502	365	363
75°	170	244	154	244	170	181
85°	36	54	41	54	36	42
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°	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6
2.5°	2017.1	2015.9	2018.4	2011.4	2012.1	2001.4	2001.4	1993.2	1982.5	1974.3	1970.5
5°	2197.9	2199.5	2196.3	2184.4	2176.7	2164.8	2151.4	2127.8	2108.1	2089.2	2074.3
7.5°	2384.0	2385.1	2374.7	2371.1	2351.2	2336.7	2306.9	2274.8	2246.3	2210.2	2182.4
10°	2492.2	2491.5	2480.4	2471.8	2454.5	2432.5	2403.4	2365.5	2330.2	2290.8	2253.0
12.5°	2555.3	2553.2	2549.7	2539.2	2523.1	2503.7	2478.9	2441.8	2398.1	2355.0	2310.9
15°	2640.3	2634.7	2624.5	2611.1	2588.3	2565.5	2537.9	2504.9	2463.2	2414.4	2373.4
17.5°	2745.4	2745.6	2729.9	2711.3	2680.3	2640.0	2597.5	2544.1	2487.4	2433.7	2390.1
20°	2832.4	2829.9	2814.3	2778.0	2742.6	2692.2	2643.4	2578.1	2508.8	2438.7	2384.4
22.5°	2957.1	2950.9	2934.6	2887.0	2832.1	2767.1	2692.5	2612.7	2529.0	2449.4	2378.1
25°	3161.4	3156.6	3124.4	3069.3	2992.1	2892.2	2794.6	2685.1	2564.8	2460.0	2373.4
27.5°	3301.2	3296.0	3272.1	3226.3	3155.1	3049.9	2917.8	2771.6	2621.2	2477.2	2352.3
30°	3287.3	3299.1	3296.0	3274.8	3221.3	3126.7	3004.8	2840.2	2661.5	2492.2	2343.5
32.5°	3089.6	3100.2	3127.9	3169.6	3172.7	3134.9	3043.8	2891.8	2706.8	2514.4	2336.5
35°	2622.9	2637.2	2690.7	2774.9	2885.1	2977.2	2996.1	2914.3	2748.1	2541.1	2326.2
37.5°	2016.5	2094.0	2139.0	2227.7	2394.2	2563.6	2726.5	2786.5	2715.8	2530.1	2309.4
40°	1712.9	1731.8	1812.1	1912.1	2052.2	2228.6	2460.8	2628.5	2633.9	2504.9	2282.9
42.5°	1466.1	1490.1	1545.1	1625.0	1744.9	1921.3	2161.0	2382.3	2484.8	2435.6	2248.3
45°	1173.0	1191.0	1231.2	1292.6	1384.7	1530.3	1736.6	1992.4	2195.5	2275.0	2155.4
47.5°	963.5	973.3	1008.2	1055.0	1123.2	1229.3	1389.0	1611.0	1854.6	2025.5	2008.6
50°	850.2	861.2	888.0	923.4	980.9	1070.6	1198.1	1383.1	1634.3	1842.8	1884.6
52.5°	762.0	771.1	787.8	821.3	868.8	937.8	1040.7	1208.0	1434.0	1655.8	1752.3
55°	643.9	650.3	663.6	682.5	720.3	769.9	858.8	974.5	1157.2	1380.8	1522.5
57.5°	546.6	549.8	558.3	575.7	601.9	638.1	702.4	800.4	931.4	1132.8	1289.1
60°	484.9	488.1	499.1	510.9	531.4	564.4	614.8	683.3	809.2	975.3	1133.6
62.5°	435.8	437.7	442.4	454.2	472.2	497.7	537.3	593.2	693.4	839.3	988.8
65°	365.3	366.1	367.6	377.1	388.1	407.0	432.9	472.3	547.9	658.1	790.3
67.5°	297.6	298.6	304.2	307.5	319.0	328.9	344.2	374.3	427.5	501.8	604.6
70°	259.7	259.0	264.5	268.4	272.4	284.2	294.4	318.8	351.8	408.6	494.3
72.5°	224.5	222.5	224.8	226.2	231.5	239.4	249.7	264.7	290.1	329.2	394.9
75°	170.1	170.9	170.9	172.4	176.3	179.5	182.6	190.5	204.7	230.7	266.1
77.5°	119.4	118.1	121.4	121.9	124.2	127.6	130.4	133.5	139.4	150.1	168.3
80°	86.5	86.5	87.4	89.8	89.0	90.5	94.4	97.7	104.7	111.0	117.2
82.5°	66.4	65.8	66.6	67.1	67.0	68.5	69.9	70.5	73.2	76.3	80.8
85°	36.3	36.3	37.0	37.0	37.8	37.8	38.6	38.6	38.6	39.4	40.2
87.5°	16.5	15.9	15.1	15.1	15.8	16.8	16.1	15.2	15.1	15.0	15.5
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°	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6
2.5°	1970.5	1966.1	1957.9	1950.4	1941.0	1932.8	1927.0	1920.2	1911.4	1900.7	1891.8
5°	2057.7	2040.4	2017.6	1997.9	1972.8	1953.1	1932.6	1912.9	1893.2	1868.0	1846.0
7.5°	2154.4	2118.7	2083.9	2040.1	2000.4	1965.0	1931.0	1896.5	1862.8	1827.0	1792.6
10°	2213.6	2170.3	2122.3	2067.2	2016.8	1968.8	1924.7	1881.4	1835.7	1795.6	1752.3
12.5°	2269.1	2213.1	2158.2	2088.6	2028.1	1969.4	1913.4	1859.4	1810.6	1758.5	1712.0
15°	2319.1	2264.0	2202.6	2117.6	2033.4	1962.5	1896.3	1826.3	1765.6	1707.5	1655.5
17.5°	2338.4	2280.7	2209.4	2127.7	2035.6	1946.4	1861.3	1784.4	1713.1	1645.3	1586.8
20°	2330.9	2275.0	2201.8	2123.8	2025.5	1932.6	1840.5	1755.4	1676.0	1604.3	1542.2
22.5°	2312.7	2254.8	2184.1	2101.8	2008.4	1910.0	1811.5	1720.8	1637.5	1563.4	1495.5
25°	2285.2	2206.6	2134.1	2053.8	1964.9	1867.2	1765.6	1665.7	1576.8	1501.2	1427.2
27.5°	2256.7	2158.5	2066.4	1986.6	1892.6	1805.5	1707.6	1605.1	1511.6	1434.6	1358.7
30°	2230.9	2120.7	2019.1	1928.6	1839.7	1757.1	1664.2	1564.2	1468.1	1388.7	1311.5
32.5°	2198.8	2081.6	1970.0	1865.6	1779.9	1697.9	1613.8	1518.2	1424.7	1342.6	1264.3
35°	2158.5	2008.9	1887.7	1776.8	1681.4	1601.9	1526.4	1449.3	1355.5	1270.5	1194.2
37.5°	2105.6	1935.9	1795.6	1674.7	1574.3	1494.4	1434.7	1364.2	1278.7	1197.3	1126.5
40°	2073.5	1883.0	1729.5	1609.8	1504.3	1420.1	1364.2	1304.4	1226.5	1150.1	1079.2
42.5°	2030.6	1834.5	1662.7	1538.0	1431.9	1350.8	1294.3	1242.0	1176.7	1104.8	1028.9
45°	1946.7	1740.5	1560.2	1426.4	1319.4	1239.8	1187.1	1140.6	1091.1	1024.9	958.8
47.5°	1837.4	1642.4	1453.8	1307.7	1202.9	1129.0	1077.8	1041.2	1005.7	949.5	885.2
50°	1750.0	1561.9	1377.6	1235.9	1124.1	1054.1	1006.0	976.9	944.6	893.4	839.9
52.5°	1646.7	1478.6	1298.3	1153.4	1047.9	982.3	936.1	907.1	880.4	838.7	787.7
55°	1483.9	1336.7	1171.3	1039.9	943.1	877.0	832.8	805.3	789.6	754.2	714.0
57.5°	1296.1	1190.5	1044.8	918.1	832.4	767.1	734.8	711.3	693.6	668.5	640.2
60°	1165.1	1091.1	960.4	839.9	761.2	699.0	669.9	650.3	633.7	612.5	590.4
62.5°	1032.2	978.4	864.6	761.2	688.8	636.7	609.5	591.7	572.6	558.3	536.8
65°	854.1	806.1	727.4	646.3	579.4	537.7	518.0	502.2	490.4	474.6	459.7
67.5°	664.4	644.9	590.6	534.6	486.7	449.5	432.5	421.5	407.3	397.9	387.6
70°	547.9	538.5	499.9	462.9	418.0	392.8	377.1	372.3	355.1	345.6	338.5
72.5°	444.6	440.2	418.0	392.3	360.7	338.6	324.2	318.8	307.8	300.2	295.7
75°	304.7	306.2	302.3	285.8	274.0	259.7	247.2	244.0	236.2	229.8	225.9
77.5°	192.7	200.8	201.1	200.3	195.5	186.9	181.7	179.4	171.6	169.3	168.3
80°	132.3	140.9	148.8	147.9	146.4	144.1	140.2	137.7	133.8	131.5	129.9
82.5°	88.2	96.2	102.8	107.0	106.7	104.4	101.7	100.6	99.8	98.1	97.8
85°	41.7	43.3	45.6	51.2	55.1	55.8	55.1	54.3	51.9	52.7	53.5
87.5°	16.0	15.8	16.3	16.1	15.1	18.1	19.8	20.3	19.1	18.1	17.1
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





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**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: P333618-840

CATALOG NUMBER: S125RDIP-S1270D590U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6
2.5°	1885.5	1876.7	1870.4	1857.7	1849.0	1845.2	1838.3	1836.3	1843.3	1838.3	1837.7
5°	1829.5	1806.6	1788.6	1770.4	1750.7	1738.2	1719.3	1716.1	1711.4	1704.2	1702.7
7.5°	1762.2	1732.5	1709.2	1679.3	1653.3	1632.3	1608.7	1597.5	1591.4	1582.3	1570.0
10°	1716.9	1681.4	1650.0	1620.0	1587.8	1561.9	1538.2	1520.0	1508.2	1497.2	1492.6
12.5°	1672.1	1636.1	1595.8	1559.6	1523.6	1494.4	1468.2	1456.5	1443.4	1430.5	1419.5
15°	1602.8	1554.7	1510.7	1468.9	1438.2	1406.7	1381.5	1364.2	1344.5	1339.1	1317.8
17.5°	1529.0	1482.0	1430.4	1386.4	1350.8	1316.2	1288.5	1268.8	1254.1	1233.8	1224.0
20°	1483.1	1427.2	1376.8	1336.7	1297.3	1256.4	1228.0	1211.5	1197.3	1180.8	1173.0
22.5°	1434.0	1379.4	1327.7	1280.6	1240.6	1200.3	1180.1	1163.1	1146.9	1131.7	1121.3
25°	1361.9	1306.8	1252.4	1203.7	1162.0	1132.8	1109.1	1089.4	1080.9	1065.9	1054.8
27.5°	1290.5	1231.9	1175.6	1126.9	1094.2	1065.4	1046.0	1030.5	1014.8	1001.8	992.2
30°	1244.6	1184.8	1123.4	1084.8	1050.2	1022.6	1001.3	986.3	974.5	962.7	955.6
32.5°	1198.6	1136.9	1082.4	1040.7	1007.9	984.1	962.3	948.0	935.5	922.4	914.1
35°	1124.9	1062.0	1017.8	976.9	944.6	922.6	907.7	887.2	877.0	867.5	858.8
37.5°	1056.4	997.8	950.2	914.2	886.3	864.3	845.0	833.9	821.3	812.8	805.7
40°	1006.0	952.5	909.2	871.4	851.0	826.6	808.5	794.3	784.9	773.9	766.0
42.5°	960.7	911.0	868.9	835.0	809.4	788.8	771.3	757.1	745.2	737.3	730.6
45°	896.7	847.1	806.1	774.6	751.0	731.3	713.2	706.1	690.3	681.0	677.8
47.5°	830.3	786.0	746.4	717.4	693.2	674.6	657.6	643.2	634.5	625.2	620.2
50°	785.7	743.2	706.1	677.8	654.2	633.7	617.9	608.5	596.7	588.0	581.8
52.5°	740.9	701.6	664.6	637.4	617.0	596.5	579.0	569.5	558.3	552.8	548.4
55°	677.0	635.3	603.8	577.0	555.7	536.8	520.4	510.9	503.8	498.3	496.8
57.5°	604.6	571.5	542.2	518.2	496.0	478.3	463.8	454.8	448.6	447.8	443.0
60°	557.3	527.5	500.7	474.6	455.8	439.3	426.7	416.5	410.1	409.3	407.8
62.5°	510.1	481.4	456.6	433.7	416.8	400.8	388.9	377.4	373.7	369.7	366.2
65°	440.0	414.0	393.6	375.5	357.4	344.0	332.2	325.1	316.5	311.7	303.1
67.5°	371.2	351.1	331.4	316.2	301.9	289.2	279.4	268.9	263.1	259.3	253.0
70°	325.9	310.1	290.4	274.0	263.0	252.7	244.8	233.0	229.0	225.9	222.8
72.5°	283.1	269.2	252.7	239.3	228.3	218.6	209.5	204.0	200.2	196.9	195.1
75°	222.8	209.4	195.2	185.8	177.9	170.1	165.3	161.4	159.8	159.1	155.8
77.5°	163.6	156.5	145.1	137.6	132.4	129.3	125.0	123.0	122.8	119.4	118.3
80°	125.1	121.2	111.8	108.7	104.7	101.6	99.2	95.2	91.3	89.8	87.4
82.5°	93.0	89.1	85.3	80.3	77.0	75.1	72.7	71.3	71.8	69.6	68.5
85°	49.6	45.6	44.1	43.3	41.7	43.3	42.5	41.7	40.9	40.2	40.9
87.5°	16.7	16.9	16.4	17.9	16.1	17.0	17.1	16.6	16.7	16.8	16.4
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



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**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



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6
2.5°	1837.0	1830.1	1828.2	1830.7	1828.2	1830.1	1837.0	1837.7	1838.3	1843.3	1836.3
5°	1694.9	1687.0	1690.9	1689.3	1690.9	1687.0	1694.9	1702.7	1704.2	1711.4	1716.1
7.5°	1569.8	1560.0	1549.6	1553.0	1549.6	1560.0	1569.8	1570.0	1582.3	1591.4	1597.5
10°	1482.3	1474.4	1469.7	1473.6	1469.7	1474.4	1482.3	1492.6	1497.2	1508.2	1520.0
12.5°	1408.7	1403.9	1399.8	1398.1	1399.8	1403.9	1408.7	1419.5	1430.5	1443.4	1456.5
15°	1308.3	1298.9	1294.9	1284.8	1294.9	1298.9	1308.3	1317.8	1339.1	1344.5	1364.2
17.5°	1215.9	1212.7	1202.5	1198.1	1202.5	1212.7	1215.9	1224.0	1233.8	1254.1	1268.8
20°	1161.1	1158.0	1147.7	1154.1	1147.7	1158.0	1161.1	1173.0	1180.8	1197.3	1211.5
22.5°	1115.8	1108.8	1105.5	1103.7	1105.5	1108.8	1115.8	1121.3	1131.7	1146.9	1163.1
25°	1051.7	1041.5	1037.5	1032.8	1037.5	1041.5	1051.7	1054.8	1065.9	1080.9	1089.4
27.5°	987.7	982.3	977.0	975.8	977.0	982.3	987.7	992.2	1001.8	1014.8	1030.5
30°	946.2	940.7	936.8	936.8	936.8	940.7	946.2	955.6	962.7	974.5	986.3
32.5°	909.1	904.8	900.9	900.3	900.9	904.8	909.1	914.1	922.4	935.5	948.0
35°	855.0	848.6	847.1	842.3	847.1	848.6	855.0	858.8	867.5	877.0	887.2
37.5°	798.7	793.5	793.3	792.8	793.3	793.5	798.7	805.7	812.8	821.3	833.9
40°	762.8	758.8	758.1	752.6	758.1	758.8	762.8	766.0	773.9	784.9	794.3
42.5°	724.4	722.4	719.6	717.3	719.6	722.4	724.4	730.6	737.3	745.2	757.1
45°	672.3	666.7	666.7	662.8	666.7	666.7	672.3	677.8	681.0	690.3	706.1
47.5°	618.4	614.2	614.6	610.6	614.6	614.2	618.4	620.2	625.2	634.5	643.2
50°	582.5	580.2	579.4	577.8	579.4	580.2	582.5	581.8	588.0	596.7	608.5
52.5°	546.6	545.5	548.6	545.0	548.6	545.5	546.6	548.4	552.8	558.3	569.5
55°	498.3	495.9	500.7	495.9	500.7	495.9	498.3	496.8	498.3	503.8	510.9
57.5°	442.7	440.5	444.7	442.4	444.7	440.5	442.7	443.0	447.8	448.6	454.8
60°	406.2	401.5	403.8	404.7	403.8	401.5	406.2	407.8	409.3	410.1	416.5
62.5°	362.7	359.9	361.6	358.0	361.6	359.9	362.7	366.2	369.7	373.7	377.4
65°	301.5	299.1	296.0	294.4	296.0	299.1	301.5	303.1	311.7	316.5	325.1
67.5°	253.3	247.6	247.5	248.7	247.5	247.6	253.3	253.0	259.3	263.1	268.9
70°	218.0	218.0	217.2	217.2	217.2	218.0	218.0	222.8	225.9	229.0	233.0
72.5°	193.5	192.9	191.5	190.9	191.5	192.9	193.5	195.1	196.9	200.2	204.0
75°	155.8	156.6	155.1	154.3	155.1	156.6	155.8	155.8	159.1	159.8	161.4
77.5°	115.1	111.8	113.5	111.8	113.5	111.8	115.1	118.3	119.4	122.8	123.0
80°	87.4	86.5	89.0	86.5	89.0	86.5	87.4	87.4	89.8	91.3	95.2
82.5°	69.1	68.4	69.5	67.7	69.5	68.4	69.1	68.5	69.6	71.8	71.3
85°	41.7	40.9	40.2	40.9	40.2	40.9	41.7	40.9	40.2	40.9	41.7
87.5°	17.1	16.4	16.5	16.5	16.5	16.4	17.1	16.4	16.8	16.7	16.6
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: P333618-840

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**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: P333618-840

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6
2.5°	1838.3	1845.2	1849.0	1857.7	1870.4	1876.7	1885.5	1891.8	1900.7	1911.4	1920.2
5°	1719.3	1738.2	1750.7	1770.4	1788.6	1806.6	1829.5	1846.0	1868.0	1893.2	1912.9
7.5°	1608.7	1632.3	1653.3	1679.3	1709.2	1732.5	1762.2	1792.6	1827.0	1862.8	1896.5
10°	1538.2	1561.9	1587.8	1620.0	1650.0	1681.4	1716.9	1752.3	1795.6	1835.7	1881.4
12.5°	1468.2	1494.4	1523.6	1559.6	1595.8	1636.1	1672.1	1712.0	1758.5	1810.6	1859.4
15°	1381.5	1406.7	1438.2	1468.9	1510.7	1554.7	1602.8	1655.5	1707.5	1765.6	1826.3
17.5°	1288.5	1316.2	1350.8	1386.4	1430.4	1482.0	1529.0	1586.8	1645.3	1713.1	1784.4
20°	1228.0	1256.4	1297.3	1336.7	1376.8	1427.2	1483.1	1542.2	1604.3	1676.0	1755.4
22.5°	1180.1	1200.3	1240.6	1280.6	1327.7	1379.4	1434.0	1495.5	1563.4	1637.5	1720.8
25°	1109.1	1132.8	1162.0	1203.7	1252.4	1306.8	1361.9	1427.2	1501.2	1576.8	1665.7
27.5°	1046.0	1065.4	1094.2	1126.9	1175.6	1231.9	1290.5	1358.7	1434.6	1511.6	1605.1
30°	1001.3	1022.6	1050.2	1084.8	1123.4	1184.8	1244.6	1311.5	1388.7	1468.1	1564.2
32.5°	962.3	984.1	1007.9	1040.7	1082.4	1136.9	1198.6	1264.3	1342.6	1424.7	1518.2
35°	907.7	922.6	944.6	976.9	1017.8	1062.0	1124.9	1194.2	1270.5	1355.5	1449.3
37.5°	845.0	864.3	886.3	914.2	950.2	997.8	1056.4	1126.5	1197.3	1278.7	1364.2
40°	808.5	826.6	851.0	871.4	909.2	952.5	1006.0	1079.2	1150.1	1226.5	1304.4
42.5°	771.3	788.8	809.4	835.0	868.9	911.0	960.7	1028.9	1104.8	1176.7	1242.0
45°	713.2	731.3	751.0	774.6	806.1	847.1	896.7	958.8	1024.9	1091.1	1140.6
47.5°	657.6	674.6	693.2	717.4	746.4	786.0	830.3	885.2	949.5	1005.7	1041.2
50°	617.9	633.7	654.2	677.8	706.1	743.2	785.7	839.9	893.4	944.6	976.9
52.5°	579.0	596.5	617.0	637.4	664.6	701.6	740.9	787.7	838.7	880.4	907.1
55°	520.4	536.8	555.7	577.0	603.8	635.3	677.0	714.0	754.2	789.6	805.3
57.5°	463.8	478.3	496.0	518.2	542.2	571.5	604.6	640.2	668.5	693.6	711.3
60°	426.7	439.3	455.8	474.6	500.7	527.5	557.3	590.4	612.5	633.7	650.3
62.5°	388.9	400.8	416.8	433.7	456.6	481.4	510.1	536.8	558.3	572.6	591.7
65°	332.2	344.0	357.4	375.5	393.6	414.0	440.0	459.7	474.6	490.4	502.2
67.5°	279.4	289.2	301.9	316.2	331.4	351.1	371.2	387.6	397.9	407.3	421.5
70°	244.8	252.7	263.0	274.0	290.4	310.1	325.9	338.5	345.6	355.1	372.3
72.5°	209.5	218.6	228.3	239.3	252.7	269.2	283.1	295.7	300.2	307.8	318.8
75°	165.3	170.1	177.9	185.8	195.2	209.4	222.8	225.9	229.8	236.2	244.0
77.5°	125.0	129.3	132.4	137.6	145.1	156.5	163.6	168.3	169.3	171.6	179.4
80°	99.2	101.6	104.7	108.7	111.8	121.2	125.1	129.9	131.5	133.8	137.7
82.5°	72.7	75.1	77.0	80.3	85.3	89.1	93.0	97.8	98.1	99.8	100.6
85°	42.5	43.3	41.7	43.3	44.1	45.6	49.6	53.5	52.7	51.9	54.3
87.5°	17.1	17.0	16.1	17.9	16.4	16.9	16.7	17.1	18.1	19.1	20.3
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: P333618-840

CATALOG NUMBER: S125RDIP-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: P333618-840

CATALOG NUMBER: S125RDIP-S1270D590U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6
2.5°	1927.0	1932.8	1941.0	1950.4	1957.9	1966.1	1970.5	1970.5	1974.3	1982.5	1993.2
5°	1932.6	1953.1	1972.8	1997.9	2017.6	2040.4	2057.7	2074.3	2089.2	2108.1	2127.8
7.5°	1931.0	1965.0	2000.4	2040.1	2083.9	2118.7	2154.4	2182.4	2210.2	2246.3	2274.8
10°	1924.7	1968.8	2016.8	2067.2	2122.3	2170.3	2213.6	2253.0	2290.8	2330.2	2365.5
12.5°	1913.4	1969.4	2028.1	2088.6	2158.2	2213.1	2269.1	2310.9	2355.0	2398.1	2441.8
15°	1896.3	1962.5	2033.4	2117.6	2202.6	2264.0	2319.1	2373.4	2414.4	2463.2	2504.9
17.5°	1861.3	1946.4	2035.6	2127.7	2209.4	2280.7	2338.4	2390.1	2433.7	2487.4	2544.1
20°	1840.5	1932.6	2025.5	2123.8	2201.8	2275.0	2330.9	2384.4	2438.7	2508.8	2578.1
22.5°	1811.5	1910.0	2008.4	2101.8	2184.1	2254.8	2312.7	2378.1	2449.4	2529.0	2612.7
25°	1765.6	1867.2	1964.9	2053.8	2134.1	2206.6	2285.2	2373.4	2460.0	2564.8	2685.1
27.5°	1707.6	1805.5	1892.6	1986.6	2066.4	2158.5	2256.7	2352.3	2477.2	2621.2	2771.6
30°	1664.2	1757.1	1839.7	1928.6	2019.1	2120.7	2230.9	2343.5	2492.2	2661.5	2840.2
32.5°	1613.8	1697.9	1779.9	1865.6	1970.0	2081.6	2198.8	2336.5	2514.4	2706.8	2891.8
35°	1526.4	1601.9	1681.4	1776.8	1887.7	2008.9	2158.5	2326.2	2541.1	2748.1	2914.3
37.5°	1434.7	1494.4	1574.3	1674.7	1795.6	1935.9	2105.6	2309.4	2530.1	2715.8	2786.5
40°	1364.2	1420.1	1504.3	1609.8	1729.5	1883.0	2073.5	2282.9	2504.9	2633.9	2628.5
42.5°	1294.3	1350.8	1431.9	1538.0	1662.7	1834.5	2030.6	2248.3	2435.6	2484.8	2382.3
45°	1187.1	1239.8	1319.4	1426.4	1560.2	1740.5	1946.7	2155.4	2275.0	2195.5	1992.4
47.5°	1077.8	1129.0	1202.9	1307.7	1453.8	1642.4	1837.4	2008.6	2025.5	1854.6	1611.0
50°	1006.0	1054.1	1124.1	1235.9	1377.6	1561.9	1750.0	1884.6	1842.8	1634.3	1383.1
52.5°	936.1	982.3	1047.9	1153.4	1298.3	1478.6	1646.7	1752.3	1655.8	1434.0	1208.0
55°	832.8	877.0	943.1	1039.9	1171.3	1336.7	1483.9	1522.5	1380.8	1157.2	974.5
57.5°	734.8	767.1	832.4	918.1	1044.8	1190.5	1296.1	1289.1	1132.8	931.4	800.4
60°	669.9	699.0	761.2	839.9	960.4	1091.1	1165.1	1133.6	975.3	809.2	683.3
62.5°	609.5	636.7	688.8	761.2	864.6	978.4	1032.2	988.8	839.3	693.4	593.2
65°	518.0	537.7	579.4	646.3	727.4	806.1	854.1	790.3	658.1	547.9	472.3
67.5°	432.5	449.5	486.7	534.6	590.6	644.9	664.4	604.6	501.8	427.5	374.3
70°	377.1	392.8	418.0	462.9	499.9	538.5	547.9	494.3	408.6	351.8	318.8
72.5°	324.2	338.6	360.7	392.3	418.0	440.2	444.6	394.9	329.2	290.1	264.7
75°	247.2	259.7	274.0	285.8	302.3	306.2	304.7	266.1	230.7	204.7	190.5
77.5°	181.7	186.9	195.5	200.3	201.1	200.8	192.7	168.3	150.1	139.4	133.5
80°	140.2	144.1	146.4	147.9	148.8	140.9	132.3	117.2	111.0	104.7	97.7
82.5°	101.7	104.4	106.7	107.0	102.8	96.2	88.2	80.8	76.3	73.2	70.5
85°	55.1	55.8	55.1	51.2	45.6	43.3	41.7	40.2	39.4	38.6	38.6
87.5°	19.8	18.1	15.1	16.1	16.3	15.8	16.0	15.5	15.0	15.1	15.2
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°	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6
2.5°	2001.4	2001.4	2012.1	2011.4	2018.4	2015.9	2017.1
5°	2151.4	2164.8	2176.7	2184.4	2196.3	2199.5	2197.9
7.5°	2306.9	2336.7	2351.2	2371.1	2374.7	2385.1	2384.0
10°	2403.4	2432.5	2454.5	2471.8	2480.4	2491.5	2492.2
12.5°	2478.9	2503.7	2523.1	2539.2	2549.7	2553.2	2555.3
15°	2537.9	2565.5	2588.3	2611.1	2624.5	2634.7	2640.3
17.5°	2597.5	2640.0	2680.3	2711.3	2729.9	2745.6	2745.4
20°	2643.4	2692.2	2742.6	2778.0	2814.3	2829.9	2832.4
22.5°	2692.5	2767.1	2832.1	2887.0	2934.6	2950.9	2957.1
25°	2794.6	2892.2	2992.1	3069.3	3124.4	3156.6	3161.4
27.5°	2917.8	3049.9	3155.1	3226.3	3272.1	3296.0	3301.2
30°	3004.8	3126.7	3221.3	3274.8	3296.0	3299.1	3287.3
32.5°	3043.8	3134.9	3172.7	3169.6	3127.9	3100.2	3089.6
35°	2996.1	2977.2	2885.1	2774.9	2690.7	2637.2	2622.9
37.5°	2726.5	2563.6	2394.2	2227.7	2139.0	2094.0	2016.5
40°	2460.8	2228.6	2052.2	1912.1	1812.1	1731.8	1712.9
42.5°	2161.0	1921.3	1744.9	1625.0	1545.1	1490.1	1466.1
45°	1736.6	1530.3	1384.7	1292.6	1231.2	1191.0	1173.0
47.5°	1389.0	1229.3	1123.2	1055.0	1008.2	973.3	963.5
50°	1198.1	1070.6	980.9	923.4	888.0	861.2	850.2
52.5°	1040.7	937.8	868.8	821.3	787.8	771.1	762.0
55°	858.8	769.9	720.3	682.5	663.6	650.3	643.9
57.5°	702.4	638.1	601.9	575.7	558.3	549.8	546.6
60°	614.8	564.4	531.4	510.9	499.1	488.1	484.9
62.5°	537.3	497.7	472.2	454.2	442.4	437.7	435.8
65°	432.9	407.0	388.1	377.1	367.6	366.1	365.3
67.5°	344.2	328.9	319.0	307.5	304.2	298.6	297.6
70°	294.4	284.2	272.4	268.4	264.5	259.0	259.7
72.5°	249.7	239.4	231.5	226.2	224.8	222.5	224.5
75°	182.6	179.5	176.3	172.4	170.9	170.9	170.1
77.5°	130.4	127.6	124.2	121.9	121.4	118.1	119.4
80°	94.4	90.5	89.0	89.8	87.4	86.5	86.5
82.5°	69.9	68.5	67.0	67.1	66.6	65.8	66.4
85°	38.6	37.8	37.8	37.0	37.0	36.3	36.3
87.5°	16.1	16.8	15.8	15.1	15.1	15.9	16.5
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)