

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: P333618-830

Luminaire Tested: **S125RDIP-S1270D590U830-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333618-830  
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-S1270D590U830-4F0-1E-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: 6638.4 lumens  
Efficiency: N/A  
Efficacy: 120.5 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

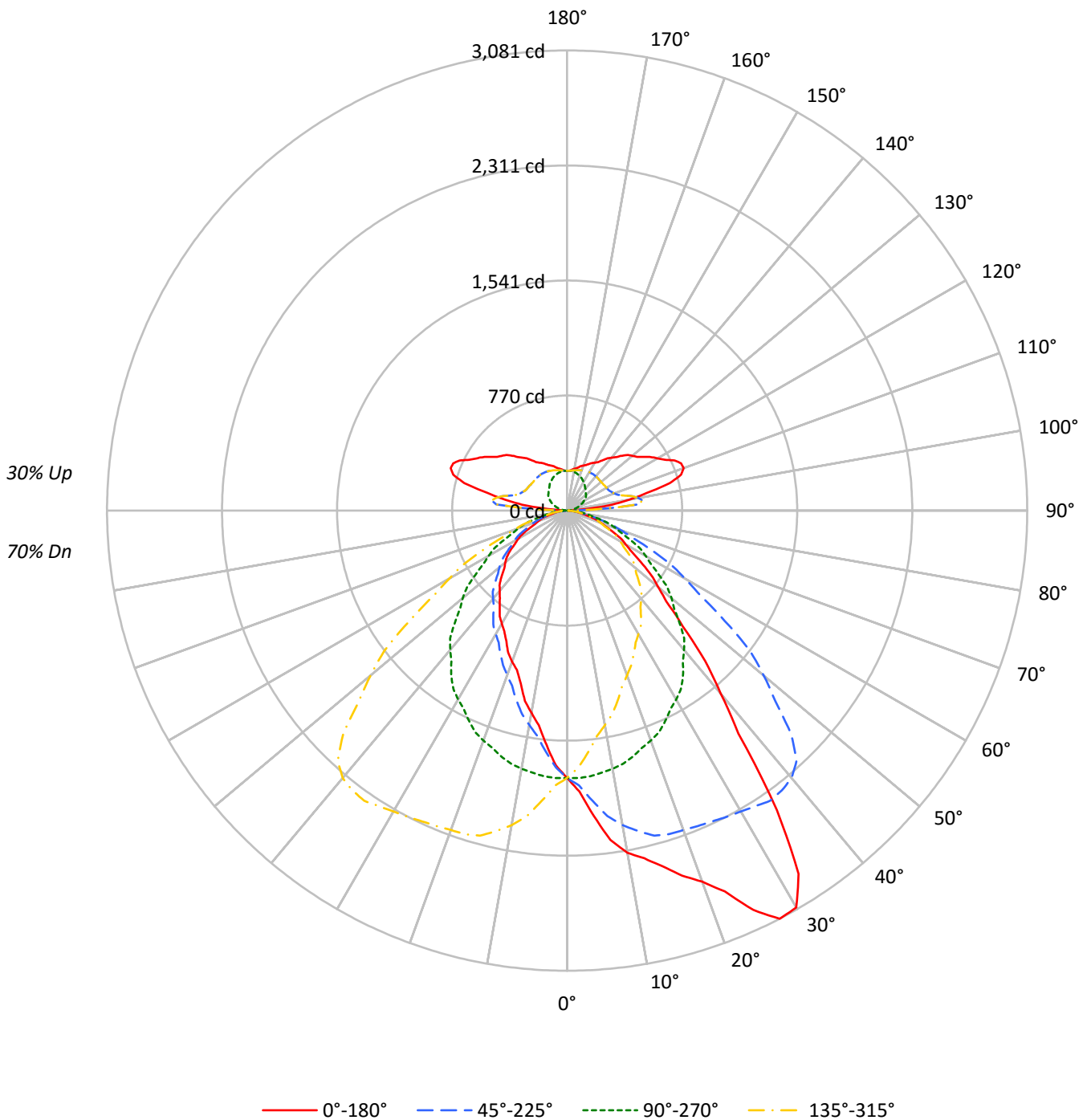
Input Watts (W): 55.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	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	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	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	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	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	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	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	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	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	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	21	21	21	19		

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

	0°	90°	180°	270°
0°	11559	11559	11559	11559
5°	13299	11575	10222	11575
10°	15255	11516	9020	11516
15°	16477	11397	8017	11397
20°	18168	11260	7403	11260
25°	21026	11078	6869	11078
30°	22881	10887	6520	10887
35°	19301	10664	6199	10664
40°	13478	10264	5922	10264
45°	9999	9724	5650	9724
50°	7973	9161	5419	9161
55°	6767	8463	5212	8463
60°	5846	7839	4879	7839
65°	5210	7163	4199	7163
70°	4577	6562	3828	6562
75°	3960	5682	3593	5682
80°	3005	4783	3005	4783
85°	2505	3757	2831	3757



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	171.6	2.6
10°-20°	503.0	7.6
20°-30°	797.5	12.0
30°-40°	961.7	14.5
40°-50°	858.8	12.9
50°-60°	658.6	9.9
60°-70°	428.0	6.4
70°-80°	208.1	3.1
80°-90°	51.1	0.8
90°-100°	193.3	2.9
100°-110°	415.5	6.3
110°-120°	390.0	5.9
120°-130°	316.0	4.8
130°-140°	253.6	3.8
140°-150°	191.4	2.9
150°-160°	134.7	2.0
160°-170°	79.4	1.2
170°-180°	25.8	0.4
0°-30°	1472.1	22.2
0°-40°	2433.8	36.7
0°-60°	3951.3	59.5
0°-90°	4638.5	69.9
90°-120°	998.8	15.0
90°-150°	1759.9	26.5
90°-180°	2000.0	30.1
0°-180°	6638.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1790	1790	1790	1790	1790	
5°	2051	1785	1577	1785	2051	205
15°	2464	1705	1199	1705	2464	706
25°	2951	1555	964	1555	2951	1355
35°	2448	1353	786	1353	2448	1479
45°	1095	1065	619	1065	1095	874
55°	601	752	463	752	601	545
65°	341	469	275	469	341	339
75°	159	228	144	228	159	169
85°	34	51	38	51	34	39
90°	12	1	12	1	12	10
95°	126	18	126	18	126	179
105°	712	61	712	61	712	708
115°	794	109	794	109	794	775
125°	625	150	625	150	625	566
135°	519	176	519	176	519	402
145°	410	205	410	205	410	260
155°	344	234	344	234	344	160
165°	301	256	301	256	301	86
175°	270	266	270	266	270	26
180°	267	267	267	267	267	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8
2.5°	1882.6	1881.5	1883.9	1877.4	1877.9	1867.9	1867.9	1860.3	1850.3	1842.7	1839.2
5°	2051.3	2052.9	2049.8	2038.8	2031.6	2020.5	2008.0	1985.9	1967.6	1949.9	1936.0
7.5°	2225.1	2226.1	2216.4	2213.0	2194.4	2180.9	2153.1	2123.2	2096.6	2062.8	2036.9
10°	2326.1	2325.4	2315.1	2307.1	2290.8	2270.3	2243.2	2207.8	2174.8	2138.1	2102.8
12.5°	2384.9	2383.0	2379.7	2369.9	2354.9	2336.8	2313.7	2279.0	2238.3	2198.0	2156.8
15°	2464.3	2459.1	2449.6	2437.0	2415.7	2394.4	2368.7	2337.9	2299.0	2253.4	2215.2
17.5°	2562.4	2562.6	2547.9	2530.5	2501.6	2464.0	2424.3	2374.5	2321.6	2271.4	2230.8
20°	2643.5	2641.3	2626.7	2592.8	2559.8	2512.7	2467.2	2406.2	2341.6	2276.1	2225.4
22.5°	2760.0	2754.2	2738.9	2694.5	2643.3	2582.7	2513.0	2438.5	2360.4	2286.1	2219.6
25°	2950.6	2946.2	2916.1	2864.7	2792.7	2699.3	2608.3	2506.1	2393.8	2296.0	2215.2
27.5°	3081.2	3076.3	3053.9	3011.2	2944.8	2846.6	2723.3	2586.8	2446.5	2312.1	2195.5
30°	3068.2	3079.2	3076.3	3056.5	3006.5	2918.3	2804.4	2650.9	2484.1	2326.1	2187.3
32.5°	2883.6	2893.5	2919.3	2958.3	2961.2	2925.9	2840.9	2699.1	2526.4	2346.7	2180.8
35°	2448.1	2461.4	2511.3	2589.9	2692.7	2778.7	2796.3	2720.0	2564.9	2371.7	2171.1
37.5°	1882.1	1954.4	1996.4	2079.2	2234.6	2392.7	2544.8	2600.8	2534.8	2361.4	2155.4
40°	1598.7	1616.4	1691.3	1784.6	1915.4	2080.0	2296.8	2453.2	2458.3	2337.9	2130.7
42.5°	1368.4	1390.7	1442.1	1516.6	1628.6	1793.2	2016.9	2223.5	2319.1	2273.2	2098.4
45°	1094.8	1111.6	1149.1	1206.5	1292.4	1428.3	1620.8	1859.5	2049.2	2123.4	2011.7
47.5°	899.3	908.4	941.0	984.7	1048.3	1147.4	1296.4	1503.6	1731.0	1890.5	1874.7
50°	793.5	803.8	828.8	861.9	915.5	999.2	1118.2	1290.9	1525.3	1720.0	1759.0
52.5°	711.2	719.7	735.3	766.6	810.9	875.2	971.3	1127.5	1338.4	1545.4	1635.5
55°	601.0	606.9	619.3	637.0	672.3	718.6	801.5	909.6	1080.1	1288.7	1421.0
57.5°	510.2	513.1	521.0	537.3	561.8	595.6	655.5	747.1	869.3	1057.2	1203.2
60°	452.6	455.5	465.8	476.8	496.0	526.8	573.8	637.7	755.3	910.3	1058.0
62.5°	406.7	408.5	412.9	424.0	440.7	464.5	501.5	553.6	647.1	783.3	922.8
65°	340.9	341.7	343.1	351.9	362.2	379.8	404.1	440.8	511.3	614.3	737.6
67.5°	277.8	278.7	283.9	287.0	297.7	307.0	321.2	349.3	399.0	468.3	564.3
70°	242.4	241.8	246.9	250.5	254.2	265.2	274.8	297.6	328.4	381.4	461.4
72.5°	209.5	207.6	209.8	211.1	216.0	223.5	233.1	247.0	270.8	307.3	368.5
75°	158.7	159.5	159.5	160.9	164.6	167.5	170.4	177.8	191.1	215.3	248.4
77.5°	111.4	110.2	113.3	113.8	115.9	119.1	121.7	124.6	130.1	140.1	157.1
80°	80.8	80.8	81.5	83.8	83.0	84.5	88.1	91.1	97.7	103.6	109.4
82.5°	62.0	61.5	62.1	62.6	62.5	63.9	65.2	65.8	68.3	71.3	75.4
85°	33.8	33.8	34.5	34.5	35.3	35.3	36.0	36.0	36.0	36.8	37.5
87.5°	15.4	14.8	14.1	14.1	14.7	15.6	15.0	14.2	14.1	14.0	14.4
90°	12.3	12.3	11.8	11.8	11.8	10.7	10.2	9.7	9.1	8.6	7.5
92.5°	34.3	35.2	35.9	37.2	44.1	52.0	69.2	95.3	140.3	173.3	176.2
95°	126.4	135.0	139.2	155.4	193.6	238.7	304.8	386.5	466.2	476.4	388.7
97.5°	305.4	312.3	327.8	358.0	391.2	454.0	518.4	575.7	589.8	508.7	347.1
100°	419.3	428.0	447.9	486.5	523.7	579.6	635.0	661.3	619.9	485.5	309.7
102.5°	546.7	553.2	574.8	602.3	642.0	679.8	706.3	690.1	601.8	444.6	281.3
105°	712.4	718.9	729.6	747.3	764.5	770.4	746.8	673.2	544.1	389.8	253.7
107.5°	800.3	804.6	808.2	808.3	799.6	771.6	710.8	612.5	485.2	352.0	242.1
110°	829.6	829.6	825.9	815.6	791.5	745.7	670.0	567.8	451.7	334.4	238.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	826.1	822.3	812.9	795.4	760.1	706.2	629.5	532.5	426.7	324.1	238.7
115°	793.6	786.6	771.6	745.7	703.8	645.2	571.6	488.1	399.4	312.9	240.3
117.5°	736.5	732.2	717.3	690.6	648.7	594.8	531.4	459.6	383.2	307.5	243.8
120°	699.5	695.2	680.7	654.9	615.1	567.8	508.6	444.1	374.2	304.8	247.3
122.5°	666.8	662.9	648.4	624.7	589.3	545.0	492.3	432.5	366.5	302.7	250.3
125°	625.3	619.9	608.1	586.1	555.9	517.3	470.4	415.6	355.9	300.0	255.4
127.5°	589.8	587.4	576.3	556.8	529.5	493.2	449.6	398.4	346.3	298.7	261.1
130°	570.4	567.2	556.5	538.8	511.8	476.9	435.0	387.7	339.8	297.8	264.6
132.5°	551.1	547.4	537.5	519.8	492.9	459.3	421.2	376.9	334.6	297.8	268.4
135°	519.3	516.1	506.4	488.7	465.1	434.4	400.0	362.9	328.5	297.8	273.6
137.5°	485.5	481.9	473.1	456.9	435.7	409.7	381.1	351.1	323.0	298.5	278.5
140°	461.8	459.1	451.1	437.2	417.3	394.6	369.9	344.6	320.5	299.0	280.7
142.5°	439.9	437.6	430.0	418.2	401.3	381.7	360.4	339.0	318.3	299.4	281.9
145°	409.7	407.6	401.6	392.5	379.6	365.0	348.4	331.8	315.1	299.0	283.3
147.5°	384.1	383.1	379.7	372.4	362.1	351.2	338.4	324.9	311.7	297.6	283.9
150°	369.9	369.4	367.2	360.8	352.7	343.0	332.8	320.9	309.2	296.2	283.9
152.5°	358.7	358.2	356.0	350.9	344.1	336.6	327.3	316.7	306.1	294.5	283.4
155°	343.6	343.0	341.4	337.6	332.2	326.3	318.9	310.2	301.0	291.4	282.3
157.5°	330.0	330.1	328.6	325.5	321.3	316.7	310.9	303.8	296.3	288.1	280.9
160°	320.9	321.5	320.5	317.7	314.0	310.2	304.8	299.4	292.5	286.1	279.6
162.5°	312.8	312.9	312.7	310.5	307.6	304.2	299.7	294.7	289.1	283.4	278.3
165°	301.0	301.0	301.0	300.0	297.8	295.2	291.9	288.1	283.9	279.6	276.4
167.5°	290.3	290.4	290.9	289.9	288.8	286.9	284.5	281.9	278.8	275.8	273.3
170°	283.9	284.5	284.5	283.9	282.8	281.7	280.1	278.5	275.8	273.6	272.0
172.5°	277.9	278.4	279.3	278.3	278.1	277.4	276.3	274.7	272.8	271.1	270.3
175°	270.4	271.0	272.0	271.5	271.5	271.5	270.4	270.4	268.8	268.2	268.2
177.5°	266.6	266.6	268.0	267.5	268.0	268.0	268.0	267.5	267.1	266.6	266.6
180°	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8
2.5°	1839.2	1835.0	1827.4	1820.3	1811.6	1803.9	1798.6	1792.2	1784.0	1774.0	1765.7
5°	1920.5	1904.4	1883.1	1864.7	1841.3	1822.9	1803.7	1785.4	1767.0	1743.5	1723.0
7.5°	2010.8	1977.5	1944.9	1904.1	1867.1	1834.0	1802.2	1770.1	1738.6	1705.2	1673.1
10°	2066.1	2025.6	1980.8	1929.4	1882.4	1837.6	1796.4	1756.0	1713.4	1675.9	1635.5
12.5°	2117.8	2065.6	2014.3	1949.4	1892.9	1838.1	1785.8	1735.4	1689.9	1641.2	1597.9
15°	2164.5	2113.1	2055.8	1976.4	1897.8	1831.6	1769.9	1704.6	1647.9	1593.7	1545.1
17.5°	2182.6	2128.6	2062.1	1985.8	1899.9	1816.7	1737.2	1665.5	1598.9	1535.6	1481.0
20°	2175.5	2123.4	2055.0	1982.3	1890.5	1803.7	1717.8	1638.4	1564.2	1497.3	1439.4
22.5°	2158.5	2104.5	2038.5	1961.7	1874.5	1782.6	1690.7	1606.1	1528.3	1459.2	1395.8
25°	2132.9	2059.5	1991.9	1916.8	1833.9	1742.8	1647.9	1554.6	1471.7	1401.1	1332.1
27.5°	2106.3	2014.6	1928.6	1854.2	1766.4	1685.2	1593.7	1498.1	1410.8	1339.0	1268.1
30°	2082.2	1979.3	1884.5	1800.1	1717.0	1639.9	1553.2	1459.9	1370.3	1296.1	1224.1
32.5°	2052.2	1942.9	1838.7	1741.3	1661.2	1584.7	1506.2	1417.0	1329.7	1253.1	1180.0
35°	2014.6	1875.0	1761.9	1658.3	1569.3	1495.2	1424.7	1352.6	1265.2	1185.8	1114.6
37.5°	1965.2	1806.9	1675.9	1563.0	1469.3	1394.8	1339.1	1273.3	1193.4	1117.5	1051.4
40°	1935.2	1757.5	1614.2	1502.5	1404.0	1325.4	1273.3	1217.5	1144.7	1073.5	1007.3
42.5°	1895.3	1712.2	1551.9	1435.5	1336.4	1260.7	1208.1	1159.2	1098.3	1031.1	960.3
45°	1816.9	1624.5	1456.2	1331.3	1231.4	1157.2	1108.0	1064.6	1018.3	956.6	894.8
47.5°	1715.0	1533.0	1356.9	1220.5	1122.7	1053.8	1006.0	971.8	938.7	886.2	826.2
50°	1633.3	1457.7	1285.7	1153.5	1049.1	983.8	939.0	911.8	881.7	833.9	783.9
52.5°	1536.9	1380.1	1211.7	1076.5	978.1	916.8	873.7	846.6	821.7	782.8	735.2
55°	1385.0	1247.5	1093.3	970.5	880.2	818.5	777.3	751.6	737.0	703.9	666.4
57.5°	1209.7	1111.2	975.2	856.9	776.9	716.0	685.8	663.9	647.3	624.0	597.5
60°	1087.4	1018.3	896.4	783.9	710.5	652.4	625.3	606.9	591.4	571.7	551.0
62.5°	963.4	913.1	807.0	710.5	642.9	594.3	568.8	552.2	534.4	521.0	501.1
65°	797.2	752.3	678.9	603.2	540.7	501.8	483.4	468.7	457.7	443.0	429.0
67.5°	620.1	601.9	551.2	499.0	454.2	419.5	403.7	393.4	380.1	371.4	361.7
70°	511.3	502.6	466.6	432.1	390.1	366.6	351.9	347.5	331.4	322.5	315.9
72.5°	415.0	410.9	390.1	366.2	336.7	316.0	302.6	297.6	287.3	280.2	276.0
75°	284.4	285.8	282.1	266.7	255.7	242.4	230.7	227.7	220.5	214.5	210.8
77.5°	179.8	187.4	187.7	186.9	182.5	174.5	169.6	167.4	160.1	158.0	157.1
80°	123.5	131.5	138.8	138.1	136.7	134.5	130.8	128.6	124.9	122.7	121.2
82.5°	82.3	89.8	96.0	99.9	99.6	97.5	94.9	93.9	93.1	91.5	91.2
85°	38.9	40.4	42.6	47.8	51.5	52.1	51.5	50.7	48.4	49.2	50.0
87.5°	14.9	14.7	15.2	15.0	14.1	16.9	18.5	18.9	17.8	16.9	15.9
90°	7.0	5.9	5.4	4.3	3.2	2.2	1.0	0.6	1.0	2.2	3.2
92.5°	122.7	73.4	44.1	28.4	19.1	12.4	7.9	6.6	7.9	12.4	19.1
95°	240.3	122.1	64.6	40.3	28.5	22.6	18.3	17.7	18.3	22.6	28.5
97.5°	191.8	105.2	67.1	49.7	39.0	33.1	30.1	29.5	30.1	33.1	39.0
100°	174.2	104.3	73.1	57.0	46.8	40.9	38.7	37.6	38.7	40.9	46.8
102.5°	166.9	108.2	80.4	64.8	55.4	49.0	47.3	46.7	47.3	49.0	55.4
105°	164.0	116.1	92.5	77.4	68.8	63.4	60.8	60.8	60.8	63.4	68.8
107.5°	168.9	128.0	105.1	91.5	82.6	78.1	75.6	74.6	75.6	78.1	82.6
110°	173.6	136.6	114.5	100.6	92.5	87.7	85.5	84.5	85.5	87.7	92.5





TEST NUMBER: P333618-830

CATALOG NUMBER: S125RDIP-S1270D590U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	179.6	144.8	123.6	110.0	102.0	97.1	95.4	94.3	95.4	97.1	102.0
115°	188.7	157.5	137.6	124.2	116.1	111.3	109.7	108.6	109.7	111.3	116.1
117.5°	199.1	170.7	151.8	138.8	129.7	124.9	123.1	121.5	123.1	124.9	129.7
120°	205.9	180.1	161.3	147.9	138.7	133.8	131.8	130.1	131.8	133.8	138.7
122.5°	213.7	189.2	170.3	156.9	146.8	142.0	140.3	139.1	140.3	142.0	146.8
125°	224.2	201.0	183.3	169.4	159.1	154.3	151.7	150.5	151.7	154.3	159.1
127.5°	233.8	212.5	195.5	181.5	170.7	164.6	161.1	159.5	161.1	164.6	170.7
130°	240.3	219.9	203.2	189.3	178.0	171.0	166.6	165.0	166.6	171.0	178.0
132.5°	245.9	226.8	210.1	196.1	184.5	176.5	171.4	169.4	171.4	176.5	184.5
135°	253.7	236.0	219.3	204.8	193.6	184.9	178.5	176.3	178.5	184.9	193.6
137.5°	259.6	242.6	227.4	212.4	201.4	192.8	186.8	185.2	186.8	192.8	201.4
140°	263.4	247.3	231.8	217.3	207.0	198.4	191.9	190.3	191.9	198.4	207.0
142.5°	265.6	250.3	235.6	222.0	212.2	203.6	197.6	196.3	197.6	203.6	212.2
145°	268.8	255.4	241.4	229.0	219.3	211.8	206.4	205.4	206.4	211.8	219.3
147.5°	270.8	258.6	246.4	235.4	227.1	220.1	215.5	214.8	215.5	220.1	227.1
150°	272.0	260.8	248.9	239.8	232.2	225.3	221.5	220.5	221.5	225.3	232.2
152.5°	272.9	262.9	251.9	243.6	236.6	230.5	227.1	226.5	227.1	230.5	236.6
155°	273.6	265.0	255.9	248.4	243.0	237.6	234.4	234.4	234.4	237.6	243.0
157.5°	274.2	266.9	259.0	253.4	248.6	244.0	241.4	241.5	241.4	244.0	248.6
160°	274.2	267.8	260.8	255.9	251.7	247.9	245.7	246.3	245.7	247.9	251.7
162.5°	273.8	268.6	262.5	258.5	255.1	251.8	249.6	250.2	249.6	251.8	255.1
165°	273.1	268.8	264.6	261.3	259.1	256.5	254.9	255.9	254.9	256.5	259.1
167.5°	271.8	268.8	265.2	263.3	261.7	260.2	259.3	259.8	259.3	260.2	261.7
170°	271.0	268.8	266.2	264.6	263.4	262.4	261.8	262.4	261.8	262.4	263.4
172.5°	270.1	268.4	266.2	265.4	264.8	263.6	263.2	264.1	263.2	263.6	264.8
175°	268.8	267.8	266.2	266.2	266.2	265.6	265.0	266.2	265.0	265.6	266.2
177.5°	267.5	267.1	266.3	266.3	266.6	266.3	266.3	267.1	266.3	266.3	266.6
180°	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6



TEST NUMBER: P333618-830

CATALOG NUMBER: S125RDIP-S1270D590U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8
2.5°	1759.8	1751.6	1745.7	1733.9	1725.7	1722.2	1715.7	1713.9	1720.4	1715.7	1715.1
5°	1707.5	1686.2	1669.3	1652.4	1634.0	1622.3	1604.7	1601.7	1597.3	1590.6	1589.2
7.5°	1644.7	1617.0	1595.3	1567.4	1543.0	1523.5	1501.5	1491.0	1485.4	1476.8	1465.4
10°	1602.4	1569.3	1540.0	1512.0	1482.0	1457.7	1435.7	1418.7	1407.7	1397.4	1393.1
12.5°	1560.7	1527.0	1489.4	1455.7	1422.0	1394.8	1370.4	1359.4	1347.2	1335.1	1324.8
15°	1495.9	1451.0	1409.9	1371.0	1342.4	1313.0	1289.4	1273.3	1254.9	1249.8	1229.9
17.5°	1427.1	1383.2	1335.0	1294.0	1260.7	1228.4	1202.6	1184.2	1170.4	1151.5	1142.4
20°	1384.2	1332.1	1285.1	1247.5	1210.8	1172.6	1146.1	1130.8	1117.5	1102.1	1094.8
22.5°	1338.4	1287.4	1239.2	1195.2	1157.9	1120.3	1101.5	1085.5	1070.4	1056.2	1046.5
25°	1271.1	1219.7	1168.9	1123.4	1084.5	1057.2	1035.2	1016.8	1008.8	994.9	984.5
27.5°	1204.5	1149.8	1097.2	1051.8	1021.2	994.4	976.3	961.8	947.2	935.0	926.0
30°	1161.6	1105.8	1048.5	1012.5	980.1	954.4	934.5	920.6	909.6	898.5	891.9
32.5°	1118.7	1061.1	1010.2	971.3	940.8	918.5	898.1	884.8	873.2	860.9	853.2
35°	1049.9	991.2	950.0	911.8	881.7	861.1	847.2	828.0	818.5	809.6	801.5
37.5°	986.0	931.3	886.8	853.3	827.2	806.7	788.6	778.4	766.6	758.7	752.0
40°	939.0	889.0	848.6	813.3	794.3	771.5	754.6	741.3	732.5	722.3	714.9
42.5°	896.6	850.3	811.0	779.3	755.4	736.2	719.9	706.6	695.5	688.2	681.9
45°	836.9	790.6	752.3	722.9	701.0	682.6	665.6	659.0	644.3	635.6	632.6
47.5°	775.0	733.6	696.6	669.6	647.0	629.6	613.8	600.3	592.2	583.5	578.8
50°	733.3	693.6	659.0	632.6	610.6	591.4	576.7	568.0	556.9	548.8	543.0
52.5°	691.5	654.8	620.3	594.9	575.9	556.8	540.4	531.5	521.0	515.9	511.8
55°	631.9	593.0	563.5	538.6	518.7	501.1	485.7	476.8	470.2	465.1	463.6
57.5°	564.3	533.4	506.1	483.6	463.0	446.4	432.9	424.5	418.7	417.9	413.5
60°	520.2	492.3	467.3	443.0	425.4	410.0	398.2	388.7	382.8	382.0	380.6
62.5°	476.1	449.3	426.1	404.8	389.0	374.1	363.0	352.2	348.7	345.1	341.8
65°	410.7	386.4	367.4	350.4	333.6	321.0	310.1	303.4	295.4	291.0	282.9
67.5°	346.5	327.7	309.3	295.1	281.8	269.9	260.8	251.0	245.5	242.0	236.1
70°	304.2	289.5	271.1	255.7	245.4	235.8	228.5	217.4	213.8	210.8	207.9
72.5°	264.2	251.3	235.8	223.4	213.1	204.1	195.6	190.4	186.8	183.8	182.1
75°	207.9	195.5	182.2	173.4	166.1	158.7	154.3	150.6	149.1	148.5	145.4
77.5°	152.7	146.1	135.4	128.5	123.6	120.6	116.7	114.8	114.6	111.4	110.4
80°	116.8	113.1	104.3	101.4	97.7	94.8	92.6	88.9	85.2	83.8	81.5
82.5°	86.8	83.1	79.6	74.9	71.8	70.1	67.9	66.5	67.0	64.9	63.9
85°	46.3	42.6	41.2	40.4	38.9	40.4	39.7	38.9	38.2	37.5	38.2
87.5°	15.6	15.7	15.3	16.7	15.0	15.8	15.9	15.5	15.6	15.6	15.3
90°	4.3	5.4	5.9	7.0	7.5	8.6	9.1	9.7	10.2	10.7	11.8
92.5°	28.4	44.1	73.4	122.7	176.2	173.3	140.3	95.3	69.2	52.0	44.1
95°	40.3	64.6	122.1	240.3	388.7	476.4	466.2	386.5	304.8	238.7	193.6
97.5°	49.7	67.1	105.2	191.8	347.1	508.7	589.8	575.7	518.4	454.0	391.2
100°	57.0	73.1	104.3	174.2	309.7	485.5	619.9	661.3	635.0	579.6	523.7
102.5°	64.8	80.4	108.2	166.9	281.3	444.6	601.8	690.1	706.3	679.8	642.0
105°	77.4	92.5	116.1	164.0	253.7	389.8	544.1	673.2	746.8	770.4	764.5
107.5°	91.5	105.1	128.0	168.9	242.1	352.0	485.2	612.5	710.8	771.6	799.6
110°	100.6	114.5	136.6	173.6	238.7	334.4	451.7	567.8	670.0	745.7	791.5



TEST NUMBER: P333618-830

CATALOG NUMBER: S125RDIP-S1270D590U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	110.0	123.6	144.8	179.6	238.7	324.1	426.7	532.5	629.5	706.2	760.1
115°	124.2	137.6	157.5	188.7	240.3	312.9	399.4	488.1	571.6	645.2	703.8
117.5°	138.8	151.8	170.7	199.1	243.8	307.5	383.2	459.6	531.4	594.8	648.7
120°	147.9	161.3	180.1	205.9	247.3	304.8	374.2	444.1	508.6	567.8	615.1
122.5°	156.9	170.3	189.2	213.7	250.3	302.7	366.5	432.5	492.3	545.0	589.3
125°	169.4	183.3	201.0	224.2	255.4	300.0	355.9	415.6	470.4	517.3	555.9
127.5°	181.5	195.5	212.5	233.8	261.1	298.7	346.3	398.4	449.6	493.2	529.5
130°	189.3	203.2	219.9	240.3	264.6	297.8	339.8	387.7	435.0	476.9	511.8
132.5°	196.1	210.1	226.8	245.9	268.4	297.8	334.6	376.9	421.2	459.3	492.9
135°	204.8	219.3	236.0	253.7	273.6	297.8	328.5	362.9	400.0	434.4	465.1
137.5°	212.4	227.4	242.6	259.6	278.5	298.5	323.0	351.1	381.1	409.7	435.7
140°	217.3	231.8	247.3	263.4	280.7	299.0	320.5	344.6	369.9	394.6	417.3
142.5°	222.0	235.6	250.3	265.6	281.9	299.4	318.3	339.0	360.4	381.7	401.3
145°	229.0	241.4	255.4	268.8	283.3	299.0	315.1	331.8	348.4	365.0	379.6
147.5°	235.4	246.4	258.6	270.8	283.9	297.6	311.7	324.9	338.4	351.2	362.1
150°	239.8	248.9	260.8	272.0	283.9	296.2	309.2	320.9	332.8	343.0	352.7
152.5°	243.6	251.9	262.9	272.9	283.4	294.5	306.1	316.7	327.3	336.6	344.1
155°	248.4	255.9	265.0	273.6	282.3	291.4	301.0	310.2	318.9	326.3	332.2
157.5°	253.4	259.0	266.9	274.2	280.9	288.1	296.3	303.8	310.9	316.7	321.3
160°	255.9	260.8	267.8	274.2	279.6	286.1	292.5	299.4	304.8	310.2	314.0
162.5°	258.5	262.5	268.6	273.8	278.3	283.4	289.1	294.7	299.7	304.2	307.6
165°	261.3	264.6	268.8	273.1	276.4	279.6	283.9	288.1	291.9	295.2	297.8
167.5°	263.3	265.2	268.8	271.8	273.3	275.8	278.8	281.9	284.5	286.9	288.8
170°	264.6	266.2	268.8	271.0	272.0	273.6	275.8	278.5	280.1	281.7	282.8
172.5°	265.4	266.2	268.4	270.1	270.3	271.1	272.8	274.7	276.3	277.4	278.1
175°	266.2	266.2	267.8	268.8	268.2	268.2	268.8	270.4	270.4	271.5	271.5
177.5°	266.3	266.3	267.1	267.5	266.6	266.6	267.1	267.5	268.0	268.0	268.0
180°	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6



TEST NUMBER: P333618-830

CATALOG NUMBER: S125RDIP-S1270D590U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8
2.5°	1714.6	1708.1	1706.3	1708.6	1706.3	1708.1	1714.6	1715.1	1715.7	1720.4	1713.9
5°	1581.9	1574.5	1578.2	1576.7	1578.2	1574.5	1581.9	1589.2	1590.6	1597.3	1601.7
7.5°	1465.2	1456.0	1446.3	1449.4	1446.3	1456.0	1465.2	1465.4	1476.8	1485.4	1491.0
10°	1383.5	1376.1	1371.7	1375.4	1371.7	1376.1	1383.5	1393.1	1397.4	1407.7	1418.7
12.5°	1314.8	1310.3	1306.5	1304.9	1306.5	1310.3	1314.8	1324.8	1335.1	1347.2	1359.4
15°	1221.1	1212.3	1208.6	1199.1	1208.6	1212.3	1221.1	1229.9	1249.8	1254.9	1273.3
17.5°	1134.8	1131.9	1122.4	1118.2	1122.4	1131.9	1134.8	1142.4	1151.5	1170.4	1184.2
20°	1083.7	1080.8	1071.2	1077.1	1071.2	1080.8	1083.7	1094.8	1102.1	1117.5	1130.8
22.5°	1041.4	1034.9	1031.8	1030.1	1031.8	1034.9	1041.4	1046.5	1056.2	1070.4	1085.5
25°	981.6	972.0	968.4	963.9	968.4	972.0	981.6	984.5	994.9	1008.8	1016.8
27.5°	921.9	916.8	911.9	910.8	911.9	916.8	921.9	926.0	935.0	947.2	961.8
30°	883.2	878.0	874.3	874.3	874.3	878.0	883.2	891.9	898.5	909.6	920.6
32.5°	848.5	844.5	840.8	840.3	840.8	844.5	848.5	853.2	860.9	873.2	884.8
35°	798.0	792.0	790.6	786.2	790.6	792.0	798.0	801.5	809.6	818.5	828.0
37.5°	745.5	740.6	740.5	740.0	740.5	740.6	745.5	752.0	758.7	766.6	778.4
40°	711.9	708.2	707.6	702.4	707.6	708.2	711.9	714.9	722.3	732.5	741.3
42.5°	676.1	674.2	671.7	669.5	671.7	674.2	676.1	681.9	688.2	695.5	706.6
45°	627.5	622.3	622.3	618.6	622.3	622.3	627.5	632.6	635.6	644.3	659.0
47.5°	577.2	573.3	573.6	569.9	573.6	573.3	577.2	578.8	583.5	592.2	600.3
50°	543.7	541.5	540.7	539.3	540.7	541.5	543.7	543.0	548.8	556.9	568.0
52.5°	510.2	509.2	512.0	508.7	512.0	509.2	510.2	511.8	515.9	521.0	531.5
55°	465.1	462.9	467.3	462.9	467.3	462.9	465.1	463.6	465.1	470.2	476.8
57.5°	413.2	411.1	415.1	412.9	415.1	411.1	413.2	413.5	417.9	418.7	424.5
60°	379.1	374.8	376.9	377.7	376.9	374.8	379.1	380.6	382.0	382.8	388.7
62.5°	338.6	335.9	337.5	334.1	337.5	335.9	338.6	341.8	345.1	348.7	352.2
65°	281.4	279.2	276.3	274.8	276.3	279.2	281.4	282.9	291.0	295.4	303.4
67.5°	236.4	231.1	231.0	232.1	231.0	231.1	236.4	236.1	242.0	245.5	251.0
70°	203.5	203.5	202.7	202.7	202.7	203.5	203.5	207.9	210.8	213.8	217.4
72.5°	180.6	180.0	178.7	178.1	178.7	180.0	180.6	182.1	183.8	186.8	190.4
75°	145.4	146.2	144.8	144.0	144.8	146.2	145.4	145.4	148.5	149.1	150.6
77.5°	107.4	104.3	105.9	104.3	105.9	104.3	107.4	110.4	111.4	114.6	114.8
80°	81.5	80.8	83.0	80.8	83.0	80.8	81.5	81.5	83.8	85.2	88.9
82.5°	64.5	63.8	64.8	63.2	64.8	63.8	64.5	63.9	64.9	67.0	66.5
85°	38.9	38.2	37.5	38.2	37.5	38.2	38.9	38.2	37.5	38.2	38.9
87.5°	15.9	15.3	15.4	15.4	15.4	15.3	15.9	15.3	15.6	15.6	15.5
90°	11.8	11.8	12.3	12.3	12.3	11.8	11.8	11.8	10.7	10.2	9.7
92.5°	37.2	35.9	35.2	34.3	35.2	35.9	37.2	44.1	52.0	69.2	95.3
95°	155.4	139.2	135.0	126.4	135.0	139.2	155.4	193.6	238.7	304.8	386.5
97.5°	358.0	327.8	312.3	305.4	312.3	327.8	358.0	391.2	454.0	518.4	575.7
100°	486.5	447.9	428.0	419.3	428.0	447.9	486.5	523.7	579.6	635.0	661.3
102.5°	602.3	574.8	553.2	546.7	553.2	574.8	602.3	642.0	679.8	706.3	690.1
105°	747.3	729.6	718.9	712.4	718.9	729.6	747.3	764.5	770.4	746.8	673.2
107.5°	808.3	808.2	804.6	800.3	804.6	808.2	808.3	799.6	771.6	710.8	612.5
110°	815.6	825.9	829.6	829.6	829.6	825.9	815.6	791.5	745.7	670.0	567.8



TEST NUMBER: P333618-830

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	795.4	812.9	822.3	826.1	822.3	812.9	795.4	760.1	706.2	629.5	532.5
115°	745.7	771.6	786.6	793.6	786.6	771.6	745.7	703.8	645.2	571.6	488.1
117.5°	690.6	717.3	732.2	736.5	732.2	717.3	690.6	648.7	594.8	531.4	459.6
120°	654.9	680.7	695.2	699.5	695.2	680.7	654.9	615.1	567.8	508.6	444.1
122.5°	624.7	648.4	662.9	666.8	662.9	648.4	624.7	589.3	545.0	492.3	432.5
125°	586.1	608.1	619.9	625.3	619.9	608.1	586.1	555.9	517.3	470.4	415.6
127.5°	556.8	576.3	587.4	589.8	587.4	576.3	556.8	529.5	493.2	449.6	398.4
130°	538.8	556.5	567.2	570.4	567.2	556.5	538.8	511.8	476.9	435.0	387.7
132.5°	519.8	537.5	547.4	551.1	547.4	537.5	519.8	492.9	459.3	421.2	376.9
135°	488.7	506.4	516.1	519.3	516.1	506.4	488.7	465.1	434.4	400.0	362.9
137.5°	456.9	473.1	481.9	485.5	481.9	473.1	456.9	435.7	409.7	381.1	351.1
140°	437.2	451.1	459.1	461.8	459.1	451.1	437.2	417.3	394.6	369.9	344.6
142.5°	418.2	430.0	437.6	439.9	437.6	430.0	418.2	401.3	381.7	360.4	339.0
145°	392.5	401.6	407.6	409.7	407.6	401.6	392.5	379.6	365.0	348.4	331.8
147.5°	372.4	379.7	383.1	384.1	383.1	379.7	372.4	362.1	351.2	338.4	324.9
150°	360.8	367.2	369.4	369.9	369.4	367.2	360.8	352.7	343.0	332.8	320.9
152.5°	350.9	356.0	358.2	358.7	358.2	356.0	350.9	344.1	336.6	327.3	316.7
155°	337.6	341.4	343.0	343.6	343.0	341.4	337.6	332.2	326.3	318.9	310.2
157.5°	325.5	328.6	330.1	330.0	330.1	328.6	325.5	321.3	316.7	310.9	303.8
160°	317.7	320.5	321.5	320.9	321.5	320.5	317.7	314.0	310.2	304.8	299.4
162.5°	310.5	312.7	312.9	312.8	312.9	312.7	310.5	307.6	304.2	299.7	294.7
165°	300.0	301.0	301.0	301.0	301.0	301.0	300.0	297.8	295.2	291.9	288.1
167.5°	289.9	290.9	290.4	290.3	290.4	290.9	289.9	288.8	286.9	284.5	281.9
170°	283.9	284.5	284.5	283.9	284.5	284.5	283.9	282.8	281.7	280.1	278.5
172.5°	278.3	279.3	278.4	277.9	278.4	279.3	278.3	278.1	277.4	276.3	274.7
175°	271.5	272.0	271.0	270.4	271.0	272.0	271.5	271.5	271.5	270.4	270.4
177.5°	267.5	268.0	266.6	266.6	266.6	268.0	267.5	268.0	268.0	268.0	267.5
180°	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6



TEST NUMBER: P333618-830

CATALOG NUMBER: S125RDIP-S1270D590U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8
2.5°	1715.7	1722.2	1725.7	1733.9	1745.7	1751.6	1759.8	1765.7	1774.0	1784.0	1792.2
5°	1604.7	1622.3	1634.0	1652.4	1669.3	1686.2	1707.5	1723.0	1743.5	1767.0	1785.4
7.5°	1501.5	1523.5	1543.0	1567.4	1595.3	1617.0	1644.7	1673.1	1705.2	1738.6	1770.1
10°	1435.7	1457.7	1482.0	1512.0	1540.0	1569.3	1602.4	1635.5	1675.9	1713.4	1756.0
12.5°	1370.4	1394.8	1422.0	1455.7	1489.4	1527.0	1560.7	1597.9	1641.2	1689.9	1735.4
15°	1289.4	1313.0	1342.4	1371.0	1409.9	1451.0	1495.9	1545.1	1593.7	1647.9	1704.6
17.5°	1202.6	1228.4	1260.7	1294.0	1335.0	1383.2	1427.1	1481.0	1535.6	1598.9	1665.5
20°	1146.1	1172.6	1210.8	1247.5	1285.1	1332.1	1384.2	1439.4	1497.3	1564.2	1638.4
22.5°	1101.5	1120.3	1157.9	1195.2	1239.2	1287.4	1338.4	1395.8	1459.2	1528.3	1606.1
25°	1035.2	1057.2	1084.5	1123.4	1168.9	1219.7	1271.1	1332.1	1401.1	1471.7	1554.6
27.5°	976.3	994.4	1021.2	1051.8	1097.2	1149.8	1204.5	1268.1	1339.0	1410.8	1498.1
30°	934.5	954.4	980.1	1012.5	1048.5	1105.8	1161.6	1224.1	1296.1	1370.3	1459.9
32.5°	898.1	918.5	940.8	971.3	1010.2	1061.1	1118.7	1180.0	1253.1	1329.7	1417.0
35°	847.2	861.1	881.7	911.8	950.0	991.2	1049.9	1114.6	1185.8	1265.2	1352.6
37.5°	788.6	806.7	827.2	853.3	886.8	931.3	986.0	1051.4	1117.5	1193.4	1273.3
40°	754.6	771.5	794.3	813.3	848.6	889.0	939.0	1007.3	1073.5	1144.7	1217.5
42.5°	719.9	736.2	755.4	779.3	811.0	850.3	896.6	960.3	1031.1	1098.3	1159.2
45°	665.6	682.6	701.0	722.9	752.3	790.6	836.9	894.8	956.6	1018.3	1064.6
47.5°	613.8	629.6	647.0	669.6	696.6	733.6	775.0	826.2	886.2	938.7	971.8
50°	576.7	591.4	610.6	632.6	659.0	693.6	733.3	783.9	833.9	881.7	911.8
52.5°	540.4	556.8	575.9	594.9	620.3	654.8	691.5	735.2	782.8	821.7	846.6
55°	485.7	501.1	518.7	538.6	563.5	593.0	631.9	666.4	703.9	737.0	751.6
57.5°	432.9	446.4	463.0	483.6	506.1	533.4	564.3	597.5	624.0	647.3	663.9
60°	398.2	410.0	425.4	443.0	467.3	492.3	520.2	551.0	571.7	591.4	606.9
62.5°	363.0	374.1	389.0	404.8	426.1	449.3	476.1	501.1	521.0	534.4	552.2
65°	310.1	321.0	333.6	350.4	367.4	386.4	410.7	429.0	443.0	457.7	468.7
67.5°	260.8	269.9	281.8	295.1	309.3	327.7	346.5	361.7	371.4	380.1	393.4
70°	228.5	235.8	245.4	255.7	271.1	289.5	304.2	315.9	322.5	331.4	347.5
72.5°	195.6	204.1	213.1	223.4	235.8	251.3	264.2	276.0	280.2	287.3	297.6
75°	154.3	158.7	166.1	173.4	182.2	195.5	207.9	210.8	214.5	220.5	227.7
77.5°	116.7	120.6	123.6	128.5	135.4	146.1	152.7	157.1	158.0	160.1	167.4
80°	92.6	94.8	97.7	101.4	104.3	113.1	116.8	121.2	122.7	124.9	128.6
82.5°	67.9	70.1	71.8	74.9	79.6	83.1	86.8	91.2	91.5	93.1	93.9
85°	39.7	40.4	38.9	40.4	41.2	42.6	46.3	50.0	49.2	48.4	50.7
87.5°	15.9	15.8	15.0	16.7	15.3	15.7	15.6	15.9	16.9	17.8	18.9
90°	9.1	8.6	7.5	7.0	5.9	5.4	4.3	3.2	2.2	1.0	0.6
92.5°	140.3	173.3	176.2	122.7	73.4	44.1	28.4	19.1	12.4	7.9	6.6
95°	466.2	476.4	388.7	240.3	122.1	64.6	40.3	28.5	22.6	18.3	17.7
97.5°	589.8	508.7	347.1	191.8	105.2	67.1	49.7	39.0	33.1	30.1	29.5
100°	619.9	485.5	309.7	174.2	104.3	73.1	57.0	46.8	40.9	38.7	37.6
102.5°	601.8	444.6	281.3	166.9	108.2	80.4	64.8	55.4	49.0	47.3	46.7
105°	544.1	389.8	253.7	164.0	116.1	92.5	77.4	68.8	63.4	60.8	60.8
107.5°	485.2	352.0	242.1	168.9	128.0	105.1	91.5	82.6	78.1	75.6	74.6
110°	451.7	334.4	238.7	173.6	136.6	114.5	100.6	92.5	87.7	85.5	84.5



TEST NUMBER: P333618-830

CATALOG NUMBER: S125RDIP-S1270D590U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	426.7	324.1	238.7	179.6	144.8	123.6	110.0	102.0	97.1	95.4	94.3
115°	399.4	312.9	240.3	188.7	157.5	137.6	124.2	116.1	111.3	109.7	108.6
117.5°	383.2	307.5	243.8	199.1	170.7	151.8	138.8	129.7	124.9	123.1	121.5
120°	374.2	304.8	247.3	205.9	180.1	161.3	147.9	138.7	133.8	131.8	130.1
122.5°	366.5	302.7	250.3	213.7	189.2	170.3	156.9	146.8	142.0	140.3	139.1
125°	355.9	300.0	255.4	224.2	201.0	183.3	169.4	159.1	154.3	151.7	150.5
127.5°	346.3	298.7	261.1	233.8	212.5	195.5	181.5	170.7	164.6	161.1	159.5
130°	339.8	297.8	264.6	240.3	219.9	203.2	189.3	178.0	171.0	166.6	165.0
132.5°	334.6	297.8	268.4	245.9	226.8	210.1	196.1	184.5	176.5	171.4	169.4
135°	328.5	297.8	273.6	253.7	236.0	219.3	204.8	193.6	184.9	178.5	176.3
137.5°	323.0	298.5	278.5	259.6	242.6	227.4	212.4	201.4	192.8	186.8	185.2
140°	320.5	299.0	280.7	263.4	247.3	231.8	217.3	207.0	198.4	191.9	190.3
142.5°	318.3	299.4	281.9	265.6	250.3	235.6	222.0	212.2	203.6	197.6	196.3
145°	315.1	299.0	283.3	268.8	255.4	241.4	229.0	219.3	211.8	206.4	205.4
147.5°	311.7	297.6	283.9	270.8	258.6	246.4	235.4	227.1	220.1	215.5	214.8
150°	309.2	296.2	283.9	272.0	260.8	248.9	239.8	232.2	225.3	221.5	220.5
152.5°	306.1	294.5	283.4	272.9	262.9	251.9	243.6	236.6	230.5	227.1	226.5
155°	301.0	291.4	282.3	273.6	265.0	255.9	248.4	243.0	237.6	234.4	234.4
157.5°	296.3	288.1	280.9	274.2	266.9	259.0	253.4	248.6	244.0	241.4	241.5
160°	292.5	286.1	279.6	274.2	267.8	260.8	255.9	251.7	247.9	245.7	246.3
162.5°	289.1	283.4	278.3	273.8	268.6	262.5	258.5	255.1	251.8	249.6	250.2
165°	283.9	279.6	276.4	273.1	268.8	264.6	261.3	259.1	256.5	254.9	255.9
167.5°	278.8	275.8	273.3	271.8	268.8	265.2	263.3	261.7	260.2	259.3	259.8
170°	275.8	273.6	272.0	271.0	268.8	266.2	264.6	263.4	262.4	261.8	262.4
172.5°	272.8	271.1	270.3	270.1	268.4	266.2	265.4	264.8	263.6	263.2	264.1
175°	268.8	268.2	268.2	268.8	267.8	266.2	266.2	266.2	265.6	265.0	266.2
177.5°	267.1	266.6	266.6	267.5	267.1	266.3	266.3	266.6	266.3	266.3	267.1
180°	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6



TEST NUMBER: P333618-830

CATALOG NUMBER: S125RDIP-S1270D590U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8
2.5°	1798.6	1803.9	1811.6	1820.3	1827.4	1835.0	1839.2	1839.2	1842.7	1850.3	1860.3
5°	1803.7	1822.9	1841.3	1864.7	1883.1	1904.4	1920.5	1936.0	1949.9	1967.6	1985.9
7.5°	1802.2	1834.0	1867.1	1904.1	1944.9	1977.5	2010.8	2036.9	2062.8	2096.6	2123.2
10°	1796.4	1837.6	1882.4	1929.4	1980.8	2025.6	2066.1	2102.8	2138.1	2174.8	2207.8
12.5°	1785.8	1838.1	1892.9	1949.4	2014.3	2065.6	2117.8	2156.8	2198.0	2238.3	2279.0
15°	1769.9	1831.6	1897.8	1976.4	2055.8	2113.1	2164.5	2215.2	2253.4	2299.0	2337.9
17.5°	1737.2	1816.7	1899.9	1985.8	2062.1	2128.6	2182.6	2230.8	2271.4	2321.6	2374.5
20°	1717.8	1803.7	1890.5	1982.3	2055.0	2123.4	2175.5	2225.4	2276.1	2341.6	2406.2
22.5°	1690.7	1782.6	1874.5	1961.7	2038.5	2104.5	2158.5	2219.6	2286.1	2360.4	2438.5
25°	1647.9	1742.8	1833.9	1916.8	1991.9	2059.5	2132.9	2215.2	2296.0	2393.8	2506.1
27.5°	1593.7	1685.2	1766.4	1854.2	1928.6	2014.6	2106.3	2195.5	2312.1	2446.5	2586.8
30°	1553.2	1639.9	1717.0	1800.1	1884.5	1979.3	2082.2	2187.3	2326.1	2484.1	2650.9
32.5°	1506.2	1584.7	1661.2	1741.3	1838.7	1942.9	2052.2	2180.8	2346.7	2526.4	2699.1
35°	1424.7	1495.2	1569.3	1658.3	1761.9	1875.0	2014.6	2171.1	2371.7	2564.9	2720.0
37.5°	1339.1	1394.8	1469.3	1563.0	1675.9	1806.9	1965.2	2155.4	2361.4	2534.8	2600.8
40°	1273.3	1325.4	1404.0	1502.5	1614.2	1757.5	1935.2	2130.7	2337.9	2458.3	2453.2
42.5°	1208.1	1260.7	1336.4	1435.5	1551.9	1712.2	1895.3	2098.4	2273.2	2319.1	2223.5
45°	1108.0	1157.2	1231.4	1331.3	1456.2	1624.5	1816.9	2011.7	2123.4	2049.2	1859.5
47.5°	1006.0	1053.8	1122.7	1220.5	1356.9	1533.0	1715.0	1874.7	1890.5	1731.0	1503.6
50°	939.0	983.8	1049.1	1153.5	1285.7	1457.7	1633.3	1759.0	1720.0	1525.3	1290.9
52.5°	873.7	916.8	978.1	1076.5	1211.7	1380.1	1536.9	1635.5	1545.4	1338.4	1127.5
55°	777.3	818.5	880.2	970.5	1093.3	1247.5	1385.0	1421.0	1288.7	1080.1	909.6
57.5°	685.8	716.0	776.9	856.9	975.2	1111.2	1209.7	1203.2	1057.2	869.3	747.1
60°	625.3	652.4	710.5	783.9	896.4	1018.3	1087.4	1058.0	910.3	755.3	637.7
62.5°	568.8	594.3	642.9	710.5	807.0	913.1	963.4	922.8	783.3	647.1	553.6
65°	483.4	501.8	540.7	603.2	678.9	752.3	797.2	737.6	614.3	511.3	440.8
67.5°	403.7	419.5	454.2	499.0	551.2	601.9	620.1	564.3	468.3	399.0	349.3
70°	351.9	366.6	390.1	432.1	466.6	502.6	511.3	461.4	381.4	328.4	297.6
72.5°	302.6	316.0	336.7	366.2	390.1	410.9	415.0	368.5	307.3	270.8	247.0
75°	230.7	242.4	255.7	266.7	282.1	285.8	284.4	248.4	215.3	191.1	177.8
77.5°	169.6	174.5	182.5	186.9	187.7	187.4	179.8	157.1	140.1	130.1	124.6
80°	130.8	134.5	136.7	138.1	138.8	131.5	123.5	109.4	103.6	97.7	91.1
82.5°	94.9	97.5	99.6	99.9	96.0	89.8	82.3	75.4	71.3	68.3	65.8
85°	51.5	52.1	51.5	47.8	42.6	40.4	38.9	37.5	36.8	36.0	36.0
87.5°	18.5	16.9	14.1	15.0	15.2	14.7	14.9	14.4	14.0	14.1	14.2
90°	1.0	2.2	3.2	4.3	5.4	5.9	7.0	7.5	8.6	9.1	9.7
92.5°	7.9	12.4	19.1	28.4	44.1	73.4	122.7	176.2	173.3	140.3	95.3
95°	18.3	22.6	28.5	40.3	64.6	122.1	240.3	388.7	476.4	466.2	386.5
97.5°	30.1	33.1	39.0	49.7	67.1	105.2	191.8	347.1	508.7	589.8	575.7
100°	38.7	40.9	46.8	57.0	73.1	104.3	174.2	309.7	485.5	619.9	661.3
102.5°	47.3	49.0	55.4	64.8	80.4	108.2	166.9	281.3	444.6	601.8	690.1
105°	60.8	63.4	68.8	77.4	92.5	116.1	164.0	253.7	389.8	544.1	673.2
107.5°	75.6	78.1	82.6	91.5	105.1	128.0	168.9	242.1	352.0	485.2	612.5
110°	85.5	87.7	92.5	100.6	114.5	136.6	173.6	238.7	334.4	451.7	567.8





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	95.4	97.1	102.0	110.0	123.6	144.8	179.6	238.7	324.1	426.7	532.5
115°	109.7	111.3	116.1	124.2	137.6	157.5	188.7	240.3	312.9	399.4	488.1
117.5°	123.1	124.9	129.7	138.8	151.8	170.7	199.1	243.8	307.5	383.2	459.6
120°	131.8	133.8	138.7	147.9	161.3	180.1	205.9	247.3	304.8	374.2	444.1
122.5°	140.3	142.0	146.8	156.9	170.3	189.2	213.7	250.3	302.7	366.5	432.5
125°	151.7	154.3	159.1	169.4	183.3	201.0	224.2	255.4	300.0	355.9	415.6
127.5°	161.1	164.6	170.7	181.5	195.5	212.5	233.8	261.1	298.7	346.3	398.4
130°	166.6	171.0	178.0	189.3	203.2	219.9	240.3	264.6	297.8	339.8	387.7
132.5°	171.4	176.5	184.5	196.1	210.1	226.8	245.9	268.4	297.8	334.6	376.9
135°	178.5	184.9	193.6	204.8	219.3	236.0	253.7	273.6	297.8	328.5	362.9
137.5°	186.8	192.8	201.4	212.4	227.4	242.6	259.6	278.5	298.5	323.0	351.1
140°	191.9	198.4	207.0	217.3	231.8	247.3	263.4	280.7	299.0	320.5	344.6
142.5°	197.6	203.6	212.2	222.0	235.6	250.3	265.6	281.9	299.4	318.3	339.0
145°	206.4	211.8	219.3	229.0	241.4	255.4	268.8	283.3	299.0	315.1	331.8
147.5°	215.5	220.1	227.1	235.4	246.4	258.6	270.8	283.9	297.6	311.7	324.9
150°	221.5	225.3	232.2	239.8	248.9	260.8	272.0	283.9	296.2	309.2	320.9
152.5°	227.1	230.5	236.6	243.6	251.9	262.9	272.9	283.4	294.5	306.1	316.7
155°	234.4	237.6	243.0	248.4	255.9	265.0	273.6	282.3	291.4	301.0	310.2
157.5°	241.4	244.0	248.6	253.4	259.0	266.9	274.2	280.9	288.1	296.3	303.8
160°	245.7	247.9	251.7	255.9	260.8	267.8	274.2	279.6	286.1	292.5	299.4
162.5°	249.6	251.8	255.1	258.5	262.5	268.6	273.8	278.3	283.4	289.1	294.7
165°	254.9	256.5	259.1	261.3	264.6	268.8	273.1	276.4	279.6	283.9	288.1
167.5°	259.3	260.2	261.7	263.3	265.2	268.8	271.8	273.3	275.8	278.8	281.9
170°	261.8	262.4	263.4	264.6	266.2	268.8	271.0	272.0	273.6	275.8	278.5
172.5°	263.2	263.6	264.8	265.4	266.2	268.4	270.1	270.3	271.1	272.8	274.7
175°	265.0	265.6	266.2	266.2	266.2	267.8	268.8	268.2	268.2	268.8	270.4
177.5°	266.3	266.3	266.6	266.3	266.3	267.1	267.5	266.6	266.6	267.1	267.5
180°	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6



TEST NUMBER: P333618-830

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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8
2.5°	1867.9	1867.9	1877.9	1877.4	1883.9	1881.5	1882.6
5°	2008.0	2020.5	2031.6	2038.8	2049.8	2052.9	2051.3
7.5°	2153.1	2180.9	2194.4	2213.0	2216.4	2226.1	2225.1
10°	2243.2	2270.3	2290.8	2307.1	2315.1	2325.4	2326.1
12.5°	2313.7	2336.8	2354.9	2369.9	2379.7	2383.0	2384.9
15°	2368.7	2394.4	2415.7	2437.0	2449.6	2459.1	2464.3
17.5°	2424.3	2464.0	2501.6	2530.5	2547.9	2562.6	2562.4
20°	2467.2	2512.7	2559.8	2592.8	2626.7	2641.3	2643.5
22.5°	2513.0	2582.7	2643.3	2694.5	2738.9	2754.2	2760.0
25°	2608.3	2699.3	2792.7	2864.7	2916.1	2946.2	2950.6
27.5°	2723.3	2846.6	2944.8	3011.2	3053.9	3076.3	3081.2
30°	2804.4	2918.3	3006.5	3056.5	3076.3	3079.2	3068.2
32.5°	2840.9	2925.9	2961.2	2958.3	2919.3	2893.5	2883.6
35°	2796.3	2778.7	2692.7	2589.9	2511.3	2461.4	2448.1
37.5°	2544.8	2392.7	2234.6	2079.2	1996.4	1954.4	1882.1
40°	2296.8	2080.0	1915.4	1784.6	1691.3	1616.4	1598.7
42.5°	2016.9	1793.2	1628.6	1516.6	1442.1	1390.7	1368.4
45°	1620.8	1428.3	1292.4	1206.5	1149.1	1111.6	1094.8
47.5°	1296.4	1147.4	1048.3	984.7	941.0	908.4	899.3
50°	1118.2	999.2	915.5	861.9	828.8	803.8	793.5
52.5°	971.3	875.2	810.9	766.6	735.3	719.7	711.2
55°	801.5	718.6	672.3	637.0	619.3	606.9	601.0
57.5°	655.5	595.6	561.8	537.3	521.0	513.1	510.2
60°	573.8	526.8	496.0	476.8	465.8	455.5	452.6
62.5°	501.5	464.5	440.7	424.0	412.9	408.5	406.7
65°	404.1	379.8	362.2	351.9	343.1	341.7	340.9
67.5°	321.2	307.0	297.7	287.0	283.9	278.7	277.8
70°	274.8	265.2	254.2	250.5	246.9	241.8	242.4
72.5°	233.1	223.5	216.0	211.1	209.8	207.6	209.5
75°	170.4	167.5	164.6	160.9	159.5	159.5	158.7
77.5°	121.7	119.1	115.9	113.8	113.3	110.2	111.4
80°	88.1	84.5	83.0	83.8	81.5	80.8	80.8
82.5°	65.2	63.9	62.5	62.6	62.1	61.5	62.0
85°	36.0	35.3	35.3	34.5	34.5	33.8	33.8
87.5°	15.0	15.6	14.7	14.1	14.1	14.8	15.4
90°	10.2	10.7	11.8	11.8	11.8	12.3	12.3
92.5°	69.2	52.0	44.1	37.2	35.9	35.2	34.3
95°	304.8	238.7	193.6	155.4	139.2	135.0	126.4
97.5°	518.4	454.0	391.2	358.0	327.8	312.3	305.4
100°	635.0	579.6	523.7	486.5	447.9	428.0	419.3
102.5°	706.3	679.8	642.0	602.3	574.8	553.2	546.7
105°	746.8	770.4	764.5	747.3	729.6	718.9	712.4
107.5°	710.8	771.6	799.6	808.3	808.2	804.6	800.3
110°	670.0	745.7	791.5	815.6	825.9	829.6	829.6



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	629.5	706.2	760.1	795.4	812.9	822.3	826.1
115°	571.6	645.2	703.8	745.7	771.6	786.6	793.6
117.5°	531.4	594.8	648.7	690.6	717.3	732.2	736.5
120°	508.6	567.8	615.1	654.9	680.7	695.2	699.5
122.5°	492.3	545.0	589.3	624.7	648.4	662.9	666.8
125°	470.4	517.3	555.9	586.1	608.1	619.9	625.3
127.5°	449.6	493.2	529.5	556.8	576.3	587.4	589.8
130°	435.0	476.9	511.8	538.8	556.5	567.2	570.4
132.5°	421.2	459.3	492.9	519.8	537.5	547.4	551.1
135°	400.0	434.4	465.1	488.7	506.4	516.1	519.3
137.5°	381.1	409.7	435.7	456.9	473.1	481.9	485.5
140°	369.9	394.6	417.3	437.2	451.1	459.1	461.8
142.5°	360.4	381.7	401.3	418.2	430.0	437.6	439.9
145°	348.4	365.0	379.6	392.5	401.6	407.6	409.7
147.5°	338.4	351.2	362.1	372.4	379.7	383.1	384.1
150°	332.8	343.0	352.7	360.8	367.2	369.4	369.9
152.5°	327.3	336.6	344.1	350.9	356.0	358.2	358.7
155°	318.9	326.3	332.2	337.6	341.4	343.0	343.6
157.5°	310.9	316.7	321.3	325.5	328.6	330.1	330.0
160°	304.8	310.2	314.0	317.7	320.5	321.5	320.9
162.5°	299.7	304.2	307.6	310.5	312.7	312.9	312.8
165°	291.9	295.2	297.8	300.0	301.0	301.0	301.0
167.5°	284.5	286.9	288.8	289.9	290.9	290.4	290.3
170°	280.1	281.7	282.8	283.9	284.5	284.5	283.9
172.5°	276.3	277.4	278.1	278.3	279.3	278.4	277.9
175°	270.4	271.5	271.5	271.5	272.0	271.0	270.4
177.5°	268.0	268.0	268.0	267.5	268.0	266.6	266.6
180°	266.6	266.6	266.6	266.6	266.6	266.6	266.6

(END OF REPORT)