

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: P333297

Luminaire Tested: **S125DIP-S1270D365U835-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333297  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125DIP-S1270D365U835-4F0-1E-UDD-A4  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6498.0 lumens  
Efficiency: N/A  
Efficacy: 130.5 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

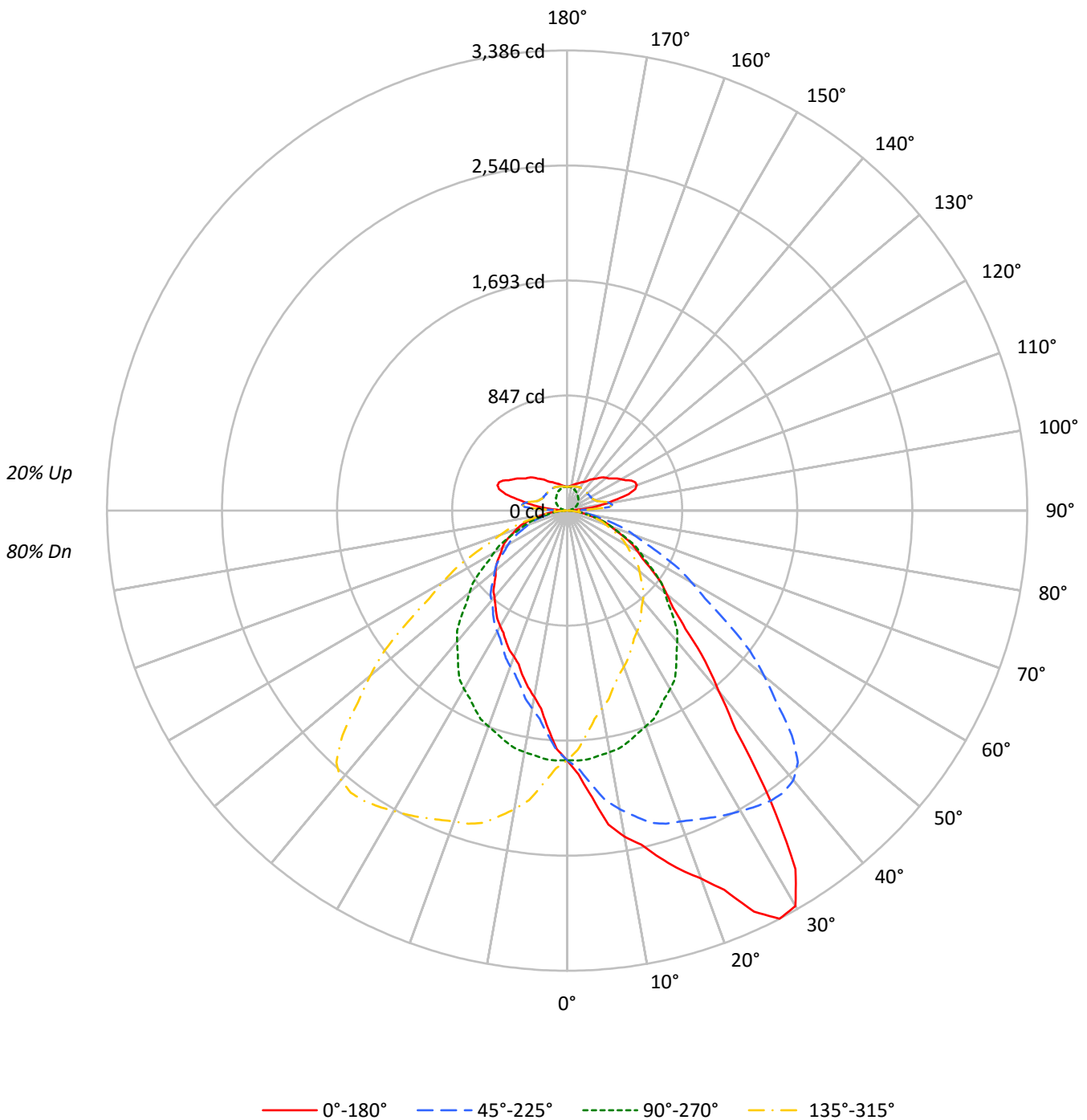
Input Watts (W): 49.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	114	114	114	109	109	109	109	100	100	100	91	91	91	83	83	83	80
1	105	100	97	93	100	96	93	90	88	86	83	81	79	77	74	73	71	68
2	96	88	82	77	91	85	79	74	78	73	69	72	68	65	66	63	61	57
3	88	78	70	64	83	75	68	62	69	63	59	64	59	55	59	55	52	49
4	80	69	61	55	77	67	59	53	62	55	50	57	52	48	53	48	45	42
5	74	62	53	47	71	60	52	46	55	49	44	51	46	42	47	43	39	37
6	68	56	47	41	65	54	46	40	50	43	38	46	41	37	43	38	35	32
7	63	51	42	36	60	49	41	36	45	39	34	42	37	32	39	35	31	29
8	59	46	38	32	56	45	37	32	42	35	30	39	33	29	36	31	28	26
9	55	42	34	29	53	41	34	29	38	32	27	36	30	26	33	29	25	23
10	51	39	31	26	49	38	31	26	35	29	25	33	28	24	31	26	23	21

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

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



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	176.8	2.7
10°-20°	526.4	8.1
20°-30°	854.8	13.2
30°-40°	1042.7	16.0
40°-50°	948.5	14.6
50°-60°	755.5	11.6
60°-70°	526.2	8.1
70°-80°	280.6	4.3
80°-90°	71.8	1.1
90°-100°	127.1	2.0
100°-110°	273.1	4.2
110°-120°	256.3	3.9
120°-130°	207.7	3.2
130°-140°	166.7	2.6
140°-150°	125.8	1.9
150°-160°	88.6	1.4
160°-170°	52.2	0.8
170°-180°	17.0	0.3
0°-30°	1558.0	24.0
0°-40°	2600.7	40.0
0°-60°	4304.7	66.2
0°-90°	5183.4	79.8
90°-120°	656.5	10.1
90°-150°	1156.8	17.8
90°-180°	1315.0	20.2
0°-180°	6498.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1837	1837	1837	1837	1837	
5°	2119	1836	1607	1836	2119	214
15°	2646	1758	1260	1758	2646	757
25°	3255	1608	1063	1608	3255	1487
35°	2613	1398	910	1398	2613	1599
45°	1232	1104	756	1104	1232	986
55°	759	778	617	778	759	684
65°	466	479	479	479	466	463
75°	229	232	295	232	229	247
85°	51	46	73	46	51	60
90°	8	0	8	0	8	8
95°	83	12	83	12	83	118
105°	468	40	468	40	468	465
115°	522	71	522	71	522	510
125°	411	99	411	99	411	372
135°	341	116	341	116	341	265
145°	269	135	269	135	269	171
155°	226	154	226	154	226	105
165°	198	168	198	168	198	57
175°	178	175	178	175	178	17
180°	175	175	175	175	175	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1942.6	1940.1	1937.6	1932.6	1936.3	1925.7	1920.7	1912.0	1901.4	1897.7	1893.3
5°	2118.7	2122.6	2126.5	2110.2	2111.7	2100.8	2075.9	2055.6	2039.2	2018.2	2003.4
7.5°	2330.8	2321.6	2320.8	2310.2	2292.0	2277.3	2251.1	2217.7	2185.5	2148.7	2118.3
10°	2436.8	2437.6	2430.6	2418.1	2398.6	2384.6	2350.3	2317.5	2277.8	2231.0	2197.5
12.5°	2516.6	2519.9	2511.0	2494.2	2484.6	2453.2	2426.3	2387.4	2340.1	2302.7	2251.7
15°	2645.7	2637.1	2630.9	2609.8	2593.5	2560.7	2517.9	2477.3	2425.9	2378.3	2330.8
17.5°	2770.1	2777.0	2765.3	2746.1	2695.3	2657.1	2599.6	2544.0	2480.0	2416.2	2359.5
20°	2881.1	2887.4	2869.4	2835.9	2775.1	2736.9	2661.3	2589.6	2515.5	2433.7	2371.3
22.5°	3019.6	3014.6	2990.4	2939.4	2886.7	2816.1	2734.3	2646.9	2554.2	2461.7	2378.8
25°	3255.3	3222.5	3207.7	3144.6	3075.2	2971.5	2859.3	2731.4	2616.1	2493.7	2387.7
27.5°	3385.9	3375.6	3359.1	3315.2	3242.2	3131.3	2999.0	2843.2	2680.5	2526.0	2387.2
30°	3359.7	3361.3	3362.9	3348.8	3302.1	3218.6	3086.9	2919.3	2726.0	2552.2	2391.6
32.5°	3127.8	3156.1	3183.3	3215.4	3228.5	3212.4	3129.9	2978.6	2779.6	2582.1	2389.1
35°	2613.0	2621.5	2709.6	2796.9	2915.4	3007.4	3069.0	3001.9	2834.3	2607.5	2386.1
37.5°	2037.4	2079.5	2140.4	2239.1	2410.1	2563.2	2760.1	2850.7	2796.6	2615.8	2380.7
40°	1736.8	1775.8	1815.5	1916.1	2060.3	2245.8	2469.5	2660.5	2704.9	2589.6	2362.0
42.5°	1504.8	1535.7	1579.8	1655.4	1775.9	1940.2	2154.0	2403.6	2557.1	2513.5	2322.7
45°	1231.6	1251.1	1285.4	1345.5	1432.8	1561.4	1750.0	2022.9	2260.6	2339.3	2229.4
47.5°	1054.2	1054.1	1080.7	1122.2	1185.2	1294.5	1434.0	1647.8	1901.7	2089.6	2080.9
50°	955.7	951.8	972.8	1008.7	1058.6	1131.1	1264.4	1435.1	1679.1	1891.9	1951.1
52.5°	870.9	871.3	884.3	910.8	952.6	1014.5	1114.1	1268.0	1476.4	1694.8	1806.5
55°	759.3	756.1	770.9	788.9	819.3	859.8	931.5	1049.2	1218.4	1433.5	1578.5
57.5°	657.0	665.6	671.5	684.0	709.2	736.3	796.8	883.2	1017.4	1202.0	1355.3
60°	597.1	605.7	610.4	622.8	643.1	666.5	713.3	783.4	896.5	1055.5	1207.5
62.5°	543.5	550.2	551.7	563.0	579.5	602.3	639.1	698.0	787.3	926.4	1075.3
65°	466.2	466.2	469.3	481.0	488.8	509.0	537.1	580.0	651.7	760.0	887.1
67.5°	391.6	395.4	394.6	399.7	406.9	422.7	442.8	478.2	531.3	610.4	712.0
70°	343.0	346.1	345.3	349.2	357.0	367.2	383.5	417.0	455.2	523.1	610.4
72.5°	299.3	300.6	298.6	303.7	308.4	317.3	335.5	353.4	389.1	446.4	518.1
75°	229.2	230.7	232.3	235.4	240.1	244.8	254.1	272.1	295.4	338.3	384.3
77.5°	171.8	168.8	172.6	172.1	174.8	178.4	186.6	196.1	215.3	242.4	278.0
80°	129.4	130.2	130.2	131.0	134.9	137.2	144.2	151.2	166.0	186.3	211.3
82.5°	94.5	96.5	95.3	96.7	99.9	101.6	105.5	111.3	119.9	135.8	153.9
85°	51.4	47.6	49.1	50.7	50.7	51.4	54.6	56.9	61.6	67.8	74.8
87.5°	16.6	17.8	18.4	18.4	19.0	18.9	21.3	21.2	23.0	24.8	27.2
90°	8.1	8.1	7.8	7.8	7.8	7.1	6.7	6.4	6.0	5.7	4.9
92.5°	22.5	23.1	23.6	24.5	29.0	34.2	45.4	62.6	92.2	113.9	115.8
95°	83.1	88.7	91.5	102.1	127.2	156.9	200.4	254.1	306.4	313.1	255.5
97.5°	200.7	205.3	215.5	235.3	257.1	298.4	340.8	378.4	387.7	334.4	228.2
100°	275.7	281.3	294.4	319.8	344.2	381.0	417.4	434.7	407.5	319.1	203.6
102.5°	359.4	363.6	377.8	395.9	422.0	446.9	464.3	453.6	395.6	292.3	184.9
105°	468.3	472.5	479.6	491.2	502.6	506.4	490.9	442.5	357.7	256.2	166.8
107.5°	526.1	528.9	531.3	531.3	525.6	507.1	467.2	402.6	318.9	231.4	159.2
110°	545.3	545.3	542.8	536.1	520.2	490.2	440.4	373.2	296.9	219.8	156.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	543.1	540.5	534.4	522.8	499.6	464.2	413.8	350.0	280.5	213.0	156.9
115°	521.6	517.0	507.1	490.2	462.6	424.1	375.7	320.9	262.6	205.7	158.0
117.5°	484.1	481.3	471.5	453.9	426.4	391.0	349.3	302.1	251.9	202.1	160.3
120°	459.8	457.0	447.4	430.5	404.3	373.2	334.3	291.9	246.0	200.4	162.6
122.5°	438.3	435.8	426.2	410.7	387.3	358.2	323.6	284.3	240.9	199.0	164.5
125°	411.0	407.5	399.7	385.2	365.4	340.0	309.2	273.2	234.0	197.2	167.9
127.5°	387.7	386.1	378.8	366.0	348.0	324.2	295.5	261.9	227.6	196.4	171.6
130°	375.0	372.9	365.8	354.1	336.5	313.5	285.9	254.8	223.4	195.8	173.9
132.5°	362.2	359.8	353.3	341.7	324.0	301.9	276.9	247.7	220.0	195.8	176.4
135°	341.4	339.3	332.9	321.3	305.7	285.6	262.9	238.6	215.9	195.8	179.9
137.5°	319.1	316.8	310.9	300.3	286.4	269.3	250.5	230.8	212.3	196.2	183.1
140°	303.6	301.8	296.5	287.3	274.2	259.4	243.1	226.5	210.6	196.5	184.5
142.5°	289.2	287.7	282.7	274.9	263.8	250.9	236.9	222.9	209.2	196.8	185.3
145°	269.3	267.9	264.0	258.0	249.5	240.0	229.0	218.1	207.1	196.5	186.2
147.5°	252.5	251.8	249.6	244.8	238.1	230.9	222.4	213.5	204.9	195.6	186.6
150°	243.1	242.8	241.4	237.1	231.8	225.5	218.8	211.0	203.2	194.7	186.6
152.5°	235.8	235.4	234.0	230.6	226.2	221.2	215.1	208.2	201.2	193.6	186.3
155°	225.8	225.5	224.4	221.9	218.4	214.5	209.6	203.9	197.9	191.6	185.5
157.5°	216.9	217.0	216.0	214.0	211.2	208.2	204.3	199.7	194.8	189.4	184.6
160°	211.0	211.3	210.6	208.9	206.4	203.9	200.4	196.9	192.3	188.0	183.8
162.5°	205.6	205.7	205.5	204.1	202.2	200.0	197.0	193.7	190.0	186.3	182.9
165°	197.9	197.9	197.9	197.2	195.8	194.0	191.9	189.4	186.6	183.8	181.7
167.5°	190.8	190.9	191.2	190.6	189.9	188.6	187.0	185.3	183.3	181.3	179.7
170°	186.6	187.0	187.0	186.6	185.9	185.2	184.1	183.1	181.3	179.9	178.8
172.5°	182.6	183.0	183.6	182.9	182.8	182.4	181.6	180.5	179.3	178.2	177.7
175°	177.8	178.1	178.8	178.5	178.5	178.5	177.8	177.8	176.7	176.4	176.4
177.5°	175.3	175.3	176.1	175.9	176.1	176.1	176.1	175.9	175.6	175.3	175.3
180°	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1889.6	1885.2	1880.2	1871.5	1860.9	1855.3	1846.5	1840.9	1829.7	1820.3	1810.4
5°	1985.4	1965.2	1946.5	1922.3	1895.8	1878.6	1858.4	1835.8	1812.4	1788.2	1761.7
7.5°	2084.8	2048.9	2009.9	1968.0	1927.0	1889.2	1853.2	1817.8	1784.8	1744.9	1711.1
10°	2151.5	2106.3	2057.9	2001.0	1945.7	1897.4	1848.2	1805.4	1761.7	1714.9	1673.6
12.5°	2218.2	2158.0	2089.7	2027.2	1960.7	1902.3	1844.5	1789.8	1734.9	1683.1	1635.0
15°	2265.3	2212.3	2149.1	2060.3	1985.4	1905.2	1828.8	1757.8	1691.6	1633.9	1573.1
17.5°	2296.3	2228.0	2160.2	2074.9	1976.9	1887.1	1800.5	1719.3	1644.6	1571.5	1512.9
20°	2301.9	2231.8	2160.8	2077.4	1976.9	1874.0	1787.4	1690.0	1609.7	1534.1	1462.4
22.5°	2300.1	2220.5	2143.4	2057.5	1959.4	1864.6	1760.0	1660.7	1573.5	1499.2	1424.3
25°	2282.4	2197.5	2100.8	2014.3	1917.6	1817.1	1711.1	1608.2	1519.3	1434.3	1360.3
27.5°	2267.8	2157.6	2048.1	1947.2	1853.9	1761.7	1660.2	1554.8	1456.3	1370.2	1300.4
30°	2249.7	2128.9	2005.7	1900.5	1804.6	1714.9	1619.1	1516.2	1413.3	1329.1	1254.3
32.5°	2233.5	2092.7	1962.7	1848.1	1746.6	1659.4	1571.0	1473.1	1372.1	1286.7	1211.8
35°	2202.2	2039.2	1890.3	1760.9	1652.6	1562.9	1488.9	1397.7	1304.9	1222.3	1150.6
37.5°	2162.4	1969.1	1809.3	1673.6	1554.8	1460.4	1391.4	1321.4	1232.4	1152.8	1087.9
40°	2131.2	1919.2	1750.0	1611.3	1488.1	1389.9	1326.0	1259.7	1185.7	1111.6	1043.0
42.5°	2091.9	1874.3	1690.2	1540.8	1418.9	1323.2	1256.1	1199.8	1134.5	1065.5	1001.8
45°	2019.7	1792.9	1593.3	1432.8	1309.6	1215.3	1145.9	1103.8	1054.7	989.2	935.4
47.5°	1913.6	1695.1	1488.7	1323.0	1195.9	1108.5	1043.5	1003.1	968.5	919.8	871.0
50°	1819.4	1622.2	1413.3	1248.8	1121.7	1033.6	973.6	937.0	907.4	869.9	828.6
52.5°	1714.0	1530.5	1339.1	1176.5	1050.6	963.8	905.0	872.8	848.1	821.3	780.6
55°	1546.6	1390.7	1212.9	1058.6	942.4	857.5	806.0	778.0	757.7	737.4	712.5
57.5°	1362.1	1240.2	1082.8	941.7	834.7	757.4	709.4	682.1	666.3	655.9	641.2
60°	1232.4	1128.0	992.3	863.7	759.3	690.7	643.9	622.8	609.6	601.0	590.1
62.5°	1112.1	1026.3	900.7	783.3	691.9	627.0	585.3	564.8	552.2	548.0	539.0
65°	934.6	868.4	764.7	667.3	589.3	534.0	498.9	479.4	471.6	466.9	467.7
67.5°	759.9	719.5	636.2	553.1	490.9	444.5	416.4	401.5	397.6	391.3	391.2
70°	653.2	622.8	552.7	480.2	424.8	389.0	364.0	348.4	344.5	341.4	340.7
72.5°	559.1	532.4	471.6	413.5	363.7	332.2	311.7	302.3	295.9	294.0	293.9
75°	420.2	405.4	357.0	311.0	276.7	254.9	240.9	232.3	227.6	226.8	227.6
77.5°	298.7	285.8	255.1	222.5	200.8	184.3	172.4	169.5	164.2	164.3	163.5
80°	224.5	215.9	196.4	170.7	152.8	138.8	132.5	127.1	125.5	123.2	125.5
82.5°	162.8	153.6	140.3	123.9	109.1	100.7	94.5	92.8	91.8	90.7	91.2
85°	80.3	81.1	73.3	60.8	54.6	49.9	46.0	46.0	45.2	44.4	45.2
87.5°	28.4	27.0	24.4	22.4	19.1	17.1	16.4	16.9	15.1	14.6	15.4
90°	4.6	3.9	3.5	2.8	2.1	1.4	0.7	0.4	0.7	1.4	2.1
92.5°	80.6	48.3	29.0	18.7	12.6	8.2	5.2	4.3	5.2	8.2	12.6
95°	158.0	80.2	42.4	26.5	18.7	14.8	12.0	11.7	12.0	14.8	18.7
97.5°	126.1	69.1	44.1	32.7	25.7	21.8	19.8	19.4	19.8	21.8	25.7
100°	114.5	68.6	48.1	37.5	30.7	26.9	25.4	24.7	25.4	26.9	30.7
102.5°	109.7	71.1	52.9	42.6	36.4	32.2	31.1	30.7	31.1	32.2	36.4
105°	107.8	76.3	60.8	50.9	45.2	41.7	39.9	39.9	39.9	41.7	45.2
107.5°	111.0	84.1	69.1	60.2	54.3	51.4	49.7	49.0	49.7	51.4	54.3
110°	114.2	89.8	75.3	66.1	60.8	57.6	56.2	55.5	56.2	57.6	60.8





TEST NUMBER: P333297

CATALOG NUMBER: S125DIP-S1270D365U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	118.1	95.1	81.2	72.3	67.0	63.8	62.7	62.0	62.7	63.8	67.0
115°	124.0	103.6	90.5	81.6	76.3	73.2	72.1	71.4	72.1	73.2	76.3
117.5°	130.8	112.2	99.8	91.3	85.2	82.1	80.9	79.9	80.9	82.1	85.2
120°	135.4	118.4	106.0	97.2	91.2	88.0	86.6	85.5	86.6	88.0	91.2
122.5°	140.4	124.3	112.0	103.1	96.6	93.4	92.2	91.5	92.2	93.4	96.6
125°	147.4	132.2	120.5	111.3	104.6	101.4	99.7	99.0	99.7	101.4	104.6
127.5°	153.7	139.7	128.5	119.3	112.2	108.1	105.9	104.8	105.9	108.1	112.2
130°	158.0	144.5	133.6	124.4	117.0	112.4	109.6	108.5	109.6	112.4	117.0
132.5°	161.7	149.1	138.1	128.9	121.2	116.1	112.7	111.3	112.7	116.1	121.2
135°	166.8	155.1	144.2	134.7	127.2	121.6	117.3	115.9	117.3	121.6	127.2
137.5°	170.6	159.5	149.5	139.7	132.4	126.7	122.8	121.7	122.8	126.7	132.4
140°	173.2	162.6	152.3	142.8	136.1	130.4	126.2	125.1	126.2	130.4	136.1
142.5°	174.6	164.5	154.9	145.9	139.5	133.8	129.8	129.1	129.8	133.8	139.5
145°	176.7	167.9	158.7	150.6	144.2	139.2	135.7	135.0	135.7	139.2	144.2
147.5°	178.0	170.0	161.9	154.8	149.3	144.7	141.6	141.2	141.6	144.7	149.3
150°	178.8	171.4	163.6	157.6	152.7	148.1	145.6	144.9	145.6	148.1	152.7
152.5°	179.4	172.8	165.6	160.2	155.5	151.5	149.3	148.9	149.3	151.5	155.5
155°	179.9	174.2	168.2	163.3	159.7	156.2	154.1	154.1	154.1	156.2	159.7
157.5°	180.2	175.4	170.3	166.5	163.4	160.4	158.7	158.8	158.7	160.4	163.4
160°	180.2	176.0	171.4	168.2	165.4	162.9	161.5	161.9	161.5	162.9	165.4
162.5°	180.0	176.6	172.5	169.9	167.7	165.5	164.1	164.4	164.1	165.5	167.7
165°	179.5	176.7	173.9	171.8	170.3	168.6	167.5	168.2	167.5	168.6	170.3
167.5°	178.7	176.7	174.4	173.0	172.0	171.1	170.4	170.8	170.4	171.1	172.0
170°	178.1	176.7	174.9	173.9	173.2	172.5	172.1	172.5	172.1	172.5	173.2
172.5°	177.6	176.4	174.9	174.4	174.0	173.3	173.0	173.6	173.0	173.3	174.0
175°	176.7	176.0	174.9	174.9	174.9	174.6	174.2	174.9	174.2	174.6	174.9
177.5°	175.9	175.6	175.0	175.0	175.3	175.0	175.0	175.6	175.0	175.0	175.3
180°	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3



TEST NUMBER: P333297

CATALOG NUMBER: S125DIP-S1270D365U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1804.7	1797.9	1792.3	1779.8	1772.9	1763.6	1756.1	1764.2	1755.5	1759.2	1753.6
5°	1748.5	1726.6	1711.1	1688.4	1669.0	1651.0	1637.8	1635.4	1629.2	1626.1	1616.7
7.5°	1680.8	1653.5	1626.7	1597.1	1572.1	1546.7	1530.5	1517.1	1508.2	1496.5	1488.6
10°	1640.9	1604.3	1573.1	1537.2	1506.0	1478.8	1456.9	1446.0	1435.9	1421.1	1415.6
12.5°	1591.6	1553.7	1515.7	1477.4	1447.4	1417.0	1398.3	1381.8	1374.8	1358.1	1356.4
15°	1532.5	1475.6	1438.2	1399.2	1357.9	1333.0	1317.4	1299.5	1291.7	1280.0	1271.4
17.5°	1462.1	1411.2	1364.5	1324.1	1288.7	1267.7	1248.3	1236.0	1222.6	1215.0	1200.9
20°	1410.9	1362.6	1315.8	1273.0	1245.7	1221.5	1205.9	1194.2	1180.2	1176.3	1162.3
22.5°	1367.9	1314.6	1269.7	1233.7	1203.9	1176.6	1159.8	1151.8	1142.2	1130.2	1127.3
25°	1297.9	1242.6	1204.4	1168.5	1142.0	1117.1	1105.4	1095.2	1085.9	1077.3	1074.2
27.5°	1237.4	1188.0	1142.6	1110.2	1087.1	1064.4	1054.1	1041.8	1034.9	1028.0	1019.6
30°	1195.0	1144.3	1104.6	1073.4	1048.5	1028.2	1017.3	1008.7	1002.5	996.2	991.6
32.5°	1151.4	1104.4	1065.9	1035.4	1010.4	995.1	985.5	979.4	972.5	965.0	959.1
35°	1093.7	1042.2	1004.8	978.3	958.8	947.1	936.2	930.7	923.0	923.0	916.7
37.5°	1028.7	984.2	951.2	927.0	909.5	899.1	887.3	883.5	878.5	875.2	873.1
40°	990.0	948.7	917.5	893.3	874.6	866.0	856.7	850.5	847.3	843.4	841.9
42.5°	950.1	910.6	880.7	858.4	842.2	834.9	826.1	821.8	815.5	810.4	809.5
45°	889.4	851.2	824.0	806.0	792.0	783.4	778.0	768.6	765.5	759.3	758.5
47.5°	831.9	795.3	768.5	753.8	741.5	734.5	725.9	716.5	713.0	709.8	709.5
50°	788.9	755.4	730.4	716.4	704.7	694.6	686.0	679.7	677.4	677.4	679.0
52.5°	745.2	716.7	695.5	678.3	667.3	656.5	648.6	644.8	641.2	645.0	647.8
55°	681.3	652.5	636.9	620.5	609.6	597.1	593.2	591.7	589.3	595.6	598.7
57.5°	613.6	593.4	575.1	558.9	549.1	541.9	536.6	535.7	540.1	543.0	553.1
60°	570.6	547.2	530.9	518.4	506.7	502.0	500.5	498.9	502.0	510.6	523.8
62.5°	523.2	504.2	486.6	477.2	468.6	460.9	460.5	461.5	467.7	477.5	490.8
65°	453.7	437.3	425.6	414.7	407.7	403.0	404.6	407.7	414.7	428.0	442.8
67.5°	383.1	371.8	361.4	352.5	345.8	345.8	347.4	352.0	360.3	375.6	389.1
70°	337.5	325.1	316.5	312.6	307.1	304.0	308.7	316.5	323.5	337.5	349.2
72.5°	292.0	281.4	274.7	272.1	269.7	267.2	268.8	277.2	286.7	300.7	314.3
75°	224.5	220.6	215.9	212.8	210.5	212.0	213.6	221.4	229.2	244.0	259.6
77.5°	163.9	159.8	157.0	156.2	155.0	155.7	160.1	165.9	173.5	184.3	196.1
80°	123.9	122.4	120.8	120.0	120.0	120.8	127.1	131.0	138.0	148.1	157.5
82.5°	90.3	89.3	89.0	88.9	89.5	89.6	93.4	98.5	104.3	111.9	120.0
85°	47.6	46.0	48.3	49.1	47.6	49.9	51.4	54.6	56.9	60.8	64.7
87.5°	16.2	17.5	17.0	17.8	17.8	19.2	18.7	21.2	22.5	23.9	23.4
90°	2.8	3.5	3.9	4.6	4.9	5.7	6.0	6.4	6.7	7.1	7.8
92.5°	18.7	29.0	48.3	80.6	115.8	113.9	92.2	62.6	45.4	34.2	29.0
95°	26.5	42.4	80.2	158.0	255.5	313.1	306.4	254.1	200.4	156.9	127.2
97.5°	32.7	44.1	69.1	126.1	228.2	334.4	387.7	378.4	340.8	298.4	257.1
100°	37.5	48.1	68.6	114.5	203.6	319.1	407.5	434.7	417.4	381.0	344.2
102.5°	42.6	52.9	71.1	109.7	184.9	292.3	395.6	453.6	464.3	446.9	422.0
105°	50.9	60.8	76.3	107.8	166.8	256.2	357.7	442.5	490.9	506.4	502.6
107.5°	60.2	69.1	84.1	111.0	159.2	231.4	318.9	402.6	467.2	507.1	525.6
110°	66.1	75.3	89.8	114.2	156.9	219.8	296.9	373.2	440.4	490.2	520.2



TEST NUMBER: P333297

CATALOG NUMBER: S125DIP-S1270D365U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	72.3	81.2	95.1	118.1	156.9	213.0	280.5	350.0	413.8	464.2	499.6
115°	81.6	90.5	103.6	124.0	158.0	205.7	262.6	320.9	375.7	424.1	462.6
117.5°	91.3	99.8	112.2	130.8	160.3	202.1	251.9	302.1	349.3	391.0	426.4
120°	97.2	106.0	118.4	135.4	162.6	200.4	246.0	291.9	334.3	373.2	404.3
122.5°	103.1	112.0	124.3	140.4	164.5	199.0	240.9	284.3	323.6	358.2	387.3
125°	111.3	120.5	132.2	147.4	167.9	197.2	234.0	273.2	309.2	340.0	365.4
127.5°	119.3	128.5	139.7	153.7	171.6	196.4	227.6	261.9	295.5	324.2	348.0
130°	124.4	133.6	144.5	158.0	173.9	195.8	223.4	254.8	285.9	313.5	336.5
132.5°	128.9	138.1	149.1	161.7	176.4	195.8	220.0	247.7	276.9	301.9	324.0
135°	134.7	144.2	155.1	166.8	179.9	195.8	215.9	238.6	262.9	285.6	305.7
137.5°	139.7	149.5	159.5	170.6	183.1	196.2	212.3	230.8	250.5	269.3	286.4
140°	142.8	152.3	162.6	173.2	184.5	196.5	210.6	226.5	243.1	259.4	274.2
142.5°	145.9	154.9	164.5	174.6	185.3	196.8	209.2	222.9	236.9	250.9	263.8
145°	150.6	158.7	167.9	176.7	186.2	196.5	207.1	218.1	229.0	240.0	249.5
147.5°	154.8	161.9	170.0	178.0	186.6	195.6	204.9	213.5	222.4	230.9	238.1
150°	157.6	163.6	171.4	178.8	186.6	194.7	203.2	211.0	218.8	225.5	231.8
152.5°	160.2	165.6	172.8	179.4	186.3	193.6	201.2	208.2	215.1	221.2	226.2
155°	163.3	168.2	174.2	179.9	185.5	191.6	197.9	203.9	209.6	214.5	218.4
157.5°	166.5	170.3	175.4	180.2	184.6	189.4	194.8	199.7	204.3	208.2	211.2
160°	168.2	171.4	176.0	180.2	183.8	188.0	192.3	196.9	200.4	203.9	206.4
162.5°	169.9	172.5	176.6	180.0	182.9	186.3	190.0	193.7	197.0	200.0	202.2
165°	171.8	173.9	176.7	179.5	181.7	183.8	186.6	189.4	191.9	194.0	195.8
167.5°	173.0	174.4	176.7	178.7	179.7	181.3	183.3	185.3	187.0	188.6	189.9
170°	173.9	174.9	176.7	178.1	178.8	179.9	181.3	183.1	184.1	185.2	185.9
172.5°	174.4	174.9	176.4	177.6	177.7	178.2	179.3	180.5	181.6	182.4	182.8
175°	174.9	174.9	176.0	176.7	176.4	176.4	176.7	177.8	177.8	178.5	178.5
177.5°	175.0	175.0	175.6	175.9	175.3	175.3	175.6	175.9	176.1	176.1	176.1
180°	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3



TEST NUMBER: P333297

CATALOG NUMBER: S125DIP-S1270D365U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1749.9	1754.2	1750.5	1755.5	1750.5	1754.2	1749.9	1753.6	1759.2	1755.5	1764.2
5°	1612.8	1605.8	1610.5	1607.4	1610.5	1605.8	1612.8	1616.7	1626.1	1629.2	1635.4
7.5°	1486.2	1479.5	1471.9	1468.3	1471.9	1479.5	1486.2	1488.6	1496.5	1508.2	1517.1
10°	1407.0	1398.5	1397.7	1392.2	1397.7	1398.5	1407.0	1415.6	1421.1	1435.9	1446.0
12.5°	1349.0	1341.1	1332.2	1329.9	1332.2	1341.1	1349.0	1356.4	1358.1	1374.8	1381.8
15°	1266.7	1260.5	1255.0	1259.7	1255.0	1260.5	1266.7	1271.4	1280.0	1291.7	1299.5
17.5°	1198.3	1193.1	1192.2	1186.4	1192.2	1193.1	1198.3	1200.9	1215.0	1222.6	1236.0
20°	1155.3	1151.4	1152.9	1142.8	1152.9	1151.4	1155.3	1162.3	1176.3	1180.2	1194.2
22.5°	1121.0	1113.3	1112.4	1110.4	1112.4	1113.3	1121.0	1127.3	1130.2	1142.2	1151.8
25°	1067.2	1063.3	1059.4	1063.3	1059.4	1063.3	1067.2	1074.2	1077.3	1085.9	1095.2
27.5°	1020.2	1015.6	1014.5	1014.9	1014.5	1015.6	1020.2	1019.6	1028.0	1034.9	1041.8
30°	991.6	983.8	984.5	983.8	984.5	983.8	991.6	991.6	996.2	1002.5	1008.7
32.5°	960.4	955.1	954.0	952.6	954.0	955.1	960.4	959.1	965.0	972.5	979.4
35°	914.4	914.4	910.5	910.5	910.5	914.4	914.4	916.7	923.0	923.0	930.7
37.5°	871.2	870.4	868.1	868.4	868.1	870.4	871.2	873.1	875.2	878.5	883.5
40°	838.8	838.0	835.6	831.0	835.6	838.0	838.8	841.9	843.4	847.3	850.5
42.5°	807.6	804.9	803.8	802.3	803.8	804.9	807.6	809.5	810.4	815.5	821.8
45°	758.5	758.5	756.9	756.1	756.9	758.5	758.5	758.5	759.3	765.5	768.6
47.5°	710.8	712.2	715.1	714.7	715.1	712.2	710.8	709.5	709.8	713.0	716.5
50°	682.1	682.9	685.2	686.0	685.2	682.9	682.1	679.0	677.4	677.4	679.7
52.5°	650.3	654.8	657.8	657.3	657.8	654.8	650.3	647.8	645.0	641.2	644.8
55°	605.7	611.1	616.6	617.4	616.6	611.1	605.7	598.7	595.6	589.3	591.7
57.5°	561.6	569.2	575.0	576.8	575.0	569.2	561.6	553.1	543.0	540.1	535.7
60°	531.6	541.8	548.8	551.9	548.8	541.8	531.6	523.8	510.6	502.0	498.9
62.5°	502.9	514.3	521.3	522.0	521.3	514.3	502.9	490.8	477.5	467.7	461.5
65°	456.0	467.7	473.9	478.6	473.9	467.7	456.0	442.8	428.0	414.7	407.7
67.5°	405.5	417.2	424.1	427.8	424.1	417.2	405.5	389.1	375.6	360.3	352.0
70°	368.7	380.4	389.8	392.9	389.8	380.4	368.7	349.2	337.5	323.5	316.5
72.5°	332.5	343.0	350.5	354.2	350.5	343.0	332.5	314.3	300.7	286.7	277.2
75°	269.7	283.7	290.8	294.7	290.8	283.7	269.7	259.6	244.0	229.2	221.4
77.5°	208.0	220.8	225.0	227.0	225.0	220.8	208.0	196.1	184.3	173.5	165.9
80°	166.8	174.6	180.1	180.8	180.1	174.6	166.8	157.5	148.1	138.0	131.0
82.5°	128.2	134.7	136.4	138.4	136.4	134.7	128.2	120.0	111.9	104.3	98.5
85°	70.2	73.3	74.1	73.3	74.1	73.3	70.2	64.7	60.8	56.9	54.6
87.5°	24.6	24.0	24.1	25.3	24.1	24.0	24.6	23.4	23.9	22.5	21.2
90°	7.8	7.8	8.1	8.1	8.1	7.8	7.8	7.8	7.1	6.7	6.4
92.5°	24.5	23.6	23.1	22.5	23.1	23.6	24.5	29.0	34.2	45.4	62.6
95°	102.1	91.5	88.7	83.1	88.7	91.5	102.1	127.2	156.9	200.4	254.1
97.5°	235.3	215.5	205.3	200.7	205.3	215.5	235.3	257.1	298.4	340.8	378.4
100°	319.8	294.4	281.3	275.7	281.3	294.4	319.8	344.2	381.0	417.4	434.7
102.5°	395.9	377.8	363.6	359.4	363.6	377.8	395.9	422.0	446.9	464.3	453.6
105°	491.2	479.6	472.5	468.3	472.5	479.6	491.2	502.6	506.4	490.9	442.5
107.5°	531.3	531.3	528.9	526.1	528.9	531.3	531.3	525.6	507.1	467.2	402.6
110°	536.1	542.8	545.3	545.3	545.3	542.8	536.1	520.2	490.2	440.4	373.2



TEST NUMBER: P333297

CATALOG NUMBER: S125DIP-S1270D365U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	522.8	534.4	540.5	543.1	540.5	534.4	522.8	499.6	464.2	413.8	350.0
115°	490.2	507.1	517.0	521.6	517.0	507.1	490.2	462.6	424.1	375.7	320.9
117.5°	453.9	471.5	481.3	484.1	481.3	471.5	453.9	426.4	391.0	349.3	302.1
120°	430.5	447.4	457.0	459.8	457.0	447.4	430.5	404.3	373.2	334.3	291.9
122.5°	410.7	426.2	435.8	438.3	435.8	426.2	410.7	387.3	358.2	323.6	284.3
125°	385.2	399.7	407.5	411.0	407.5	399.7	385.2	365.4	340.0	309.2	273.2
127.5°	366.0	378.8	386.1	387.7	386.1	378.8	366.0	348.0	324.2	295.5	261.9
130°	354.1	365.8	372.9	375.0	372.9	365.8	354.1	336.5	313.5	285.9	254.8
132.5°	341.7	353.3	359.8	362.2	359.8	353.3	341.7	324.0	301.9	276.9	247.7
135°	321.3	332.9	339.3	341.4	339.3	332.9	321.3	305.7	285.6	262.9	238.6
137.5°	300.3	310.9	316.8	319.1	316.8	310.9	300.3	286.4	269.3	250.5	230.8
140°	287.3	296.5	301.8	303.6	301.8	296.5	287.3	274.2	259.4	243.1	226.5
142.5°	274.9	282.7	287.7	289.2	287.7	282.7	274.9	263.8	250.9	236.9	222.9
145°	258.0	264.0	267.9	269.3	267.9	264.0	258.0	249.5	240.0	229.0	218.1
147.5°	244.8	249.6	251.8	252.5	251.8	249.6	244.8	238.1	230.9	222.4	213.5
150°	237.1	241.4	242.8	243.1	242.8	241.4	237.1	231.8	225.5	218.8	211.0
152.5°	230.6	234.0	235.4	235.8	235.4	234.0	230.6	226.2	221.2	215.1	208.2
155°	221.9	224.4	225.5	225.8	225.5	224.4	221.9	218.4	214.5	209.6	203.9
157.5°	214.0	216.0	217.0	216.9	217.0	216.0	214.0	211.2	208.2	204.3	199.7
160°	208.9	210.6	211.3	211.0	211.3	210.6	208.9	206.4	203.9	200.4	196.9
162.5°	204.1	205.5	205.7	205.6	205.7	205.5	204.1	202.2	200.0	197.0	193.7
165°	197.2	197.9	197.9	197.9	197.9	197.9	197.2	195.8	194.0	191.9	189.4
167.5°	190.6	191.2	190.9	190.8	190.9	191.2	190.6	189.9	188.6	187.0	185.3
170°	186.6	187.0	187.0	186.6	187.0	187.0	186.6	185.9	185.2	184.1	183.1
172.5°	182.9	183.6	183.0	182.6	183.0	183.6	182.9	182.8	182.4	181.6	180.5
175°	178.5	178.8	178.1	177.8	178.1	178.8	178.5	178.5	178.5	177.8	177.8
177.5°	175.9	176.1	175.3	175.3	175.3	176.1	175.9	176.1	176.1	176.1	175.9
180°	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3



TEST NUMBER: P333297

CATALOG NUMBER: S125DIP-S1270D365U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1756.1	1763.6	1772.9	1779.8	1792.3	1797.9	1804.7	1810.4	1820.3	1829.7	1840.9
5°	1637.8	1651.0	1669.0	1688.4	1711.1	1726.6	1748.5	1761.7	1788.2	1812.4	1835.8
7.5°	1530.5	1546.7	1572.1	1597.1	1626.7	1653.5	1680.8	1711.1	1744.9	1784.8	1817.8
10°	1456.9	1478.8	1506.0	1537.2	1573.1	1604.3	1640.9	1673.6	1714.9	1761.7	1805.4
12.5°	1398.3	1417.0	1447.4	1477.4	1515.7	1553.7	1591.6	1635.0	1683.1	1734.9	1789.8
15°	1317.4	1333.0	1357.9	1399.2	1438.2	1475.6	1532.5	1573.1	1633.9	1691.6	1757.8
17.5°	1248.3	1267.7	1288.7	1324.1	1364.5	1411.2	1462.1	1512.9	1571.5	1644.6	1719.3
20°	1205.9	1221.5	1245.7	1273.0	1315.8	1362.6	1410.9	1462.4	1534.1	1609.7	1690.0
22.5°	1159.8	1176.6	1203.9	1233.7	1269.7	1314.6	1367.9	1424.3	1499.2	1573.5	1660.7
25°	1105.4	1117.1	1142.0	1168.5	1204.4	1242.6	1297.9	1360.3	1434.3	1519.3	1608.2
27.5°	1054.1	1064.4	1087.1	1110.2	1142.6	1188.0	1237.4	1300.4	1370.2	1456.3	1554.8
30°	1017.3	1028.2	1048.5	1073.4	1104.6	1144.3	1195.0	1254.3	1329.1	1413.3	1516.2
32.5°	985.5	995.1	1010.4	1035.4	1065.9	1104.4	1151.4	1211.8	1286.7	1372.1	1473.1
35°	936.2	947.1	958.8	978.3	1004.8	1042.2	1093.7	1150.6	1222.3	1304.9	1397.7
37.5°	887.3	899.1	909.5	927.0	951.2	984.2	1028.7	1087.9	1152.8	1232.4	1321.4
40°	856.7	866.0	874.6	893.3	917.5	948.7	990.0	1043.0	1111.6	1185.7	1259.7
42.5°	826.1	834.9	842.2	858.4	880.7	910.6	950.1	1001.8	1065.5	1134.5	1199.8
45°	778.0	783.4	792.0	806.0	824.0	851.2	889.4	935.4	989.2	1054.7	1103.8
47.5°	725.9	734.5	741.5	753.8	768.5	795.3	831.9	871.0	919.8	968.5	1003.1
50°	686.0	694.6	704.7	716.4	730.4	755.4	788.9	828.6	869.9	907.4	937.0
52.5°	648.6	656.5	667.3	678.3	695.5	716.7	745.2	780.6	821.3	848.1	872.8
55°	593.2	597.1	609.6	620.5	636.9	652.5	681.3	712.5	737.4	757.7	778.0
57.5°	536.6	541.9	549.1	558.9	575.1	593.4	613.6	641.2	655.9	666.3	682.1
60°	500.5	502.0	506.7	518.4	530.9	547.2	570.6	590.1	601.0	609.6	622.8
62.5°	460.5	460.9	468.6	477.2	486.6	504.2	523.2	539.0	548.0	552.2	564.8
65°	404.6	403.0	407.7	414.7	425.6	437.3	453.7	467.7	466.9	471.6	479.4
67.5°	347.4	345.8	345.8	352.5	361.4	371.8	383.1	391.2	391.3	397.6	401.5
70°	308.7	304.0	307.1	312.6	316.5	325.1	337.5	340.7	341.4	344.5	348.4
72.5°	268.8	267.2	269.7	272.1	274.7	281.4	292.0	293.9	294.0	295.9	302.3
75°	213.6	212.0	210.5	212.8	215.9	220.6	224.5	227.6	226.8	227.6	232.3
77.5°	160.1	155.7	155.0	156.2	157.0	159.8	163.9	163.5	164.3	164.2	169.5
80°	127.1	120.8	120.0	120.0	120.8	122.4	123.9	125.5	123.2	125.5	127.1
82.5°	93.4	89.6	89.5	88.9	89.0	89.3	90.3	91.2	90.7	91.8	92.8
85°	51.4	49.9	47.6	49.1	48.3	46.0	47.6	45.2	44.4	45.2	46.0
87.5°	18.7	19.2	17.8	17.8	17.0	17.5	16.2	15.4	14.6	15.1	16.9
90°	6.0	5.7	4.9	4.6	3.9	3.5	2.8	2.1	1.4	0.7	0.4
92.5°	92.2	113.9	115.8	80.6	48.3	29.0	18.7	12.6	8.2	5.2	4.3
95°	306.4	313.1	255.5	158.0	80.2	42.4	26.5	18.7	14.8	12.0	11.7
97.5°	387.7	334.4	228.2	126.1	69.1	44.1	32.7	25.7	21.8	19.8	19.4
100°	407.5	319.1	203.6	114.5	68.6	48.1	37.5	30.7	26.9	25.4	24.7
102.5°	395.6	292.3	184.9	109.7	71.1	52.9	42.6	36.4	32.2	31.1	30.7
105°	357.7	256.2	166.8	107.8	76.3	60.8	50.9	45.2	41.7	39.9	39.9
107.5°	318.9	231.4	159.2	111.0	84.1	69.1	60.2	54.3	51.4	49.7	49.0
110°	296.9	219.8	156.9	114.2	89.8	75.3	66.1	60.8	57.6	56.2	55.5



TEST NUMBER: P333297

CATALOG NUMBER: S125DIP-S1270D365U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	280.5	213.0	156.9	118.1	95.1	81.2	72.3	67.0	63.8	62.7	62.0
115°	262.6	205.7	158.0	124.0	103.6	90.5	81.6	76.3	73.2	72.1	71.4
117.5°	251.9	202.1	160.3	130.8	112.2	99.8	91.3	85.2	82.1	80.9	79.9
120°	246.0	200.4	162.6	135.4	118.4	106.0	97.2	91.2	88.0	86.6	85.5
122.5°	240.9	199.0	164.5	140.4	124.3	112.0	103.1	96.6	93.4	92.2	91.5
125°	234.0	197.2	167.9	147.4	132.2	120.5	111.3	104.6	101.4	99.7	99.0
127.5°	227.6	196.4	171.6	153.7	139.7	128.5	119.3	112.2	108.1	105.9	104.8
130°	223.4	195.8	173.9	158.0	144.5	133.6	124.4	117.0	112.4	109.6	108.5
132.5°	220.0	195.8	176.4	161.7	149.1	138.1	128.9	121.2	116.1	112.7	111.3
135°	215.9	195.8	179.9	166.8	155.1	144.2	134.7	127.2	121.6	117.3	115.9
137.5°	212.3	196.2	183.1	170.6	159.5	149.5	139.7	132.4	126.7	122.8	121.7
140°	210.6	196.5	184.5	173.2	162.6	152.3	142.8	136.1	130.4	126.2	125.1
142.5°	209.2	196.8	185.3	174.6	164.5	154.9	145.9	139.5	133.8	129.8	129.1
145°	207.1	196.5	186.2	176.7	167.9	158.7	150.6	144.2	139.2	135.7	135.0
147.5°	204.9	195.6	186.6	178.0	170.0	161.9	154.8	149.3	144.7	141.6	141.2
150°	203.2	194.7	186.6	178.8	171.4	163.6	157.6	152.7	148.1	145.6	144.9
152.5°	201.2	193.6	186.3	179.4	172.8	165.6	160.2	155.5	151.5	149.3	148.9
155°	197.9	191.6	185.5	179.9	174.2	168.2	163.3	159.7	156.2	154.1	154.1
157.5°	194.8	189.4	184.6	180.2	175.4	170.3	166.5	163.4	160.4	158.7	158.8
160°	192.3	188.0	183.8	180.2	176.0	171.4	168.2	165.4	162.9	161.5	161.9
162.5°	190.0	186.3	182.9	180.0	176.6	172.5	169.9	167.7	165.5	164.1	164.4
165°	186.6	183.8	181.7	179.5	176.7	173.9	171.8	170.3	168.6	167.5	168.2
167.5°	183.3	181.3	179.7	178.7	176.7	174.4	173.0	172.0	171.1	170.4	170.8
170°	181.3	179.9	178.8	178.1	176.7	174.9	173.9	173.2	172.5	172.1	172.5
172.5°	179.3	178.2	177.7	177.6	176.4	174.9	174.4	174.0	173.3	173.0	173.6
175°	176.7	176.4	176.4	176.7	176.0	174.9	174.9	174.9	174.6	174.2	174.9
177.5°	175.6	175.3	175.3	175.9	175.6	175.0	175.0	175.3	175.0	175.0	175.6
180°	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3



TEST NUMBER: P333297

CATALOG NUMBER: S125DIP-S1270D365U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1846.5	1855.3	1860.9	1871.5	1880.2	1885.2	1889.6	1893.3	1897.7	1901.4	1912.0
5°	1858.4	1878.6	1895.8	1922.3	1946.5	1965.2	1985.4	2003.4	2018.2	2039.2	2055.6
7.5°	1853.2	1889.2	1927.0	1968.0	2009.9	2048.9	2084.8	2118.3	2148.7	2185.5	2217.7
10°	1848.2	1897.4	1945.7	2001.0	2057.9	2106.3	2151.5	2197.5	2231.0	2277.8	2317.5
12.5°	1844.5	1902.3	1960.7	2027.2	2089.7	2158.0	2218.2	2251.7	2302.7	2340.1	2387.4
15°	1828.8	1905.2	1985.4	2060.3	2149.1	2212.3	2265.3	2330.8	2378.3	2425.9	2477.3
17.5°	1800.5	1887.1	1976.9	2074.9	2160.2	2228.0	2296.3	2359.5	2416.2	2480.0	2544.0
20°	1787.4	1874.0	1976.9	2077.4	2160.8	2231.8	2301.9	2371.3	2433.7	2515.5	2589.6
22.5°	1760.0	1864.6	1959.4	2057.5	2143.4	2220.5	2300.1	2378.8	2461.7	2554.2	2646.9
25°	1711.1	1817.1	1917.6	2014.3	2100.8	2197.5	2282.4	2387.7	2493.7	2616.1	2731.4
27.5°	1660.2	1761.7	1853.9	1947.2	2048.1	2157.6	2267.8	2387.2	2526.0	2680.5	2843.2
30°	1619.1	1714.9	1804.6	1900.5	2005.7	2128.9	2249.7	2391.6	2552.2	2726.0	2919.3
32.5°	1571.0	1659.4	1746.6	1848.1	1962.7	2092.7	2233.5	2389.1	2582.1	2779.6	2978.6
35°	1488.9	1562.9	1652.6	1760.9	1890.3	2039.2	2202.2	2386.1	2607.5	2834.3	3001.9
37.5°	1391.4	1460.4	1554.8	1673.6	1809.3	1969.1	2162.4	2380.7	2615.8	2796.6	2850.7
40°	1326.0	1389.9	1488.1	1611.3	1750.0	1919.2	2131.2	2362.0	2589.6	2704.9	2660.5
42.5°	1256.1	1323.2	1418.9	1540.8	1690.2	1874.3	2091.9	2322.7	2513.5	2557.1	2403.6
45°	1145.9	1215.3	1309.6	1432.8	1593.3	1792.9	2019.7	2229.4	2339.3	2260.6	2022.9
47.5°	1043.5	1108.5	1195.9	1323.0	1488.7	1695.1	1913.6	2080.9	2089.6	1901.7	1647.8
50°	973.6	1033.6	1121.7	1248.8	1413.3	1622.2	1819.4	1951.1	1891.9	1679.1	1435.1
52.5°	905.0	963.8	1050.6	1176.5	1339.1	1530.5	1714.0	1806.5	1694.8	1476.4	1268.0
55°	806.0	857.5	942.4	1058.6	1212.9	1390.7	1546.6	1578.5	1433.5	1218.4	1049.2
57.5°	709.4	757.4	834.7	941.7	1082.8	1240.2	1362.1	1355.3	1202.0	1017.4	883.2
60°	643.9	690.7	759.3	863.7	992.3	1128.0	1232.4	1207.5	1055.5	896.5	783.4
62.5°	585.3	627.0	691.9	783.3	900.7	1026.3	1112.1	1075.3	926.4	787.3	698.0
65°	498.9	534.0	589.3	667.3	764.7	868.4	934.6	887.1	760.0	651.7	580.0
67.5°	416.4	444.5	490.9	553.1	636.2	719.5	759.9	712.0	610.4	531.3	478.2
70°	364.0	389.0	424.8	480.2	552.7	622.8	653.2	610.4	523.1	455.2	417.0
72.5°	311.7	332.2	363.7	413.5	471.6	532.4	559.1	518.1	446.4	389.1	353.4
75°	240.9	254.9	276.7	311.0	357.0	405.4	420.2	384.3	338.3	295.4	272.1
77.5°	172.4	184.3	200.8	222.5	255.1	285.8	298.7	278.0	242.4	215.3	196.1
80°	132.5	138.8	152.8	170.7	196.4	215.9	224.5	211.3	186.3	166.0	151.2
82.5°	94.5	100.7	109.1	123.9	140.3	153.6	162.8	153.9	135.8	119.9	111.3
85°	46.0	49.9	54.6	60.8	73.3	81.1	80.3	74.8	67.8	61.6	56.9
87.5°	16.4	17.1	19.1	22.4	24.4	27.0	28.4	27.2	24.8	23.0	21.2
90°	0.7	1.4	2.1	2.8	3.5	3.9	4.6	4.9	5.7	6.0	6.4
92.5°	5.2	8.2	12.6	18.7	29.0	48.3	80.6	115.8	113.9	92.2	62.6
95°	12.0	14.8	18.7	26.5	42.4	80.2	158.0	255.5	313.1	306.4	254.1
97.5°	19.8	21.8	25.7	32.7	44.1	69.1	126.1	228.2	334.4	387.7	378.4
100°	25.4	26.9	30.7	37.5	48.1	68.6	114.5	203.6	319.1	407.5	434.7
102.5°	31.1	32.2	36.4	42.6	52.9	71.1	109.7	184.9	292.3	395.6	453.6
105°	39.9	41.7	45.2	50.9	60.8	76.3	107.8	166.8	256.2	357.7	442.5
107.5°	49.7	51.4	54.3	60.2	69.1	84.1	111.0	159.2	231.4	318.9	402.6
110°	56.2	57.6	60.8	66.1	75.3	89.8	114.2	156.9	219.8	296.9	373.2





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	62.7	63.8	67.0	72.3	81.2	95.1	118.1	156.9	213.0	280.5	350.0
115°	72.1	73.2	76.3	81.6	90.5	103.6	124.0	158.0	205.7	262.6	320.9
117.5°	80.9	82.1	85.2	91.3	99.8	112.2	130.8	160.3	202.1	251.9	302.1
120°	86.6	88.0	91.2	97.2	106.0	118.4	135.4	162.6	200.4	246.0	291.9
122.5°	92.2	93.4	96.6	103.1	112.0	124.3	140.4	164.5	199.0	240.9	284.3
125°	99.7	101.4	104.6	111.3	120.5	132.2	147.4	167.9	197.2	234.0	273.2
127.5°	105.9	108.1	112.2	119.3	128.5	139.7	153.7	171.6	196.4	227.6	261.9
130°	109.6	112.4	117.0	124.4	133.6	144.5	158.0	173.9	195.8	223.4	254.8
132.5°	112.7	116.1	121.2	128.9	138.1	149.1	161.7	176.4	195.8	220.0	247.7
135°	117.3	121.6	127.2	134.7	144.2	155.1	166.8	179.9	195.8	215.9	238.6
137.5°	122.8	126.7	132.4	139.7	149.5	159.5	170.6	183.1	196.2	212.3	230.8
140°	126.2	130.4	136.1	142.8	152.3	162.6	173.2	184.5	196.5	210.6	226.5
142.5°	129.8	133.8	139.5	145.9	154.9	164.5	174.6	185.3	196.8	209.2	222.9
145°	135.7	139.2	144.2	150.6	158.7	167.9	176.7	186.2	196.5	207.1	218.1
147.5°	141.6	144.7	149.3	154.8	161.9	170.0	178.0	186.6	195.6	204.9	213.5
150°	145.6	148.1	152.7	157.6	163.6	171.4	178.8	186.6	194.7	203.2	211.0
152.5°	149.3	151.5	155.5	160.2	165.6	172.8	179.4	186.3	193.6	201.2	208.2
155°	154.1	156.2	159.7	163.3	168.2	174.2	179.9	185.5	191.6	197.9	203.9
157.5°	158.7	160.4	163.4	166.5	170.3	175.4	180.2	184.6	189.4	194.8	199.7
160°	161.5	162.9	165.4	168.2	171.4	176.0	180.2	183.8	188.0	192.3	196.9
162.5°	164.1	165.5	167.7	169.9	172.5	176.6	180.0	182.9	186.3	190.0	193.7
165°	167.5	168.6	170.3	171.8	173.9	176.7	179.5	181.7	183.8	186.6	189.4
167.5°	170.4	171.1	172.0	173.0	174.4	176.7	178.7	179.7	181.3	183.3	185.3
170°	172.1	172.5	173.2	173.9	174.9	176.7	178.1	178.8	179.9	181.3	183.1
172.5°	173.0	173.3	174.0	174.4	174.9	176.4	177.6	177.7	178.2	179.3	180.5
175°	174.2	174.6	174.9	174.9	174.9	176.0	176.7	176.4	176.4	176.7	177.8
177.5°	175.0	175.0	175.3	175.0	175.0	175.6	175.9	175.3	175.3	175.6	175.9
180°	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3



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CATALOG NUMBER: S125DIP-S1270D365U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1920.7	1925.7	1936.3	1932.6	1937.6	1940.1	1942.6
5°	2075.9	2100.8	2111.7	2110.2	2126.5	2122.6	2118.7
7.5°	2251.1	2277.3	2292.0	2310.2	2320.8	2321.6	2330.8
10°	2350.3	2384.6	2398.6	2418.1	2430.6	2437.6	2436.8
12.5°	2426.3	2453.2	2484.6	2494.2	2511.0	2519.9	2516.6
15°	2517.9	2560.7	2593.5	2609.8	2630.9	2637.1	2645.7
17.5°	2599.6	2657.1	2695.3	2746.1	2765.3	2777.0	2770.1
20°	2661.3	2736.9	2775.1	2835.9	2869.4	2887.4	2881.1
22.5°	2734.3	2816.1	2886.7	2939.4	2990.4	3014.6	3019.6
25°	2859.3	2971.5	3075.2	3144.6	3207.7	3222.5	3255.3
27.5°	2999.0	3131.3	3242.2	3315.2	3359.1	3375.6	3385.9
30°	3086.9	3218.6	3302.1	3348.8	3362.9	3361.3	3359.7
32.5°	3129.9	3212.4	3228.5	3215.4	3183.3	3156.1	3127.8
35°	3069.0	3007.4	2915.4	2796.9	2709.6	2621.5	2613.0
37.5°	2760.1	2563.2	2410.1	2239.1	2140.4	2079.5	2037.4
40°	2469.5	2245.8	2060.3	1916.1	1815.5	1775.8	1736.8
42.5°	2154.0	1940.2	1775.9	1655.4	1579.8	1535.7	1504.8
45°	1750.0	1561.4	1432.8	1345.5	1285.4	1251.1	1231.6
47.5°	1434.0	1294.5	1185.2	1122.2	1080.7	1054.1	1054.2
50°	1264.4	1131.1	1058.6	1008.7	972.8	951.8	955.7
52.5°	1114.1	1014.5	952.6	910.8	884.3	871.3	870.9
55°	931.5	859.8	819.3	788.9	770.9	756.1	759.3
57.5°	796.8	736.3	709.2	684.0	671.5	665.6	657.0
60°	713.3	666.5	643.1	622.8	610.4	605.7	597.1
62.5°	639.1	602.3	579.5	563.0	551.7	550.2	543.5
65°	537.1	509.0	488.8	481.0	469.3	466.2	466.2
67.5°	442.8	422.7	406.9	399.7	394.6	395.4	391.6
70°	383.5	367.2	357.0	349.2	345.3	346.1	343.0
72.5°	335.5	317.3	308.4	303.7	298.6	300.6	299.3
75°	254.1	244.8	240.1	235.4	232.3	230.7	229.2
77.5°	186.6	178.4	174.8	172.1	172.6	168.8	171.8
80°	144.2	137.2	134.9	131.0	130.2	130.2	129.4
82.5°	105.5	101.6	99.9	96.7	95.3	96.5	94.5
85°	54.6	51.4	50.7	50.7	49.1	47.6	51.4
87.5°	21.3	18.9	19.0	18.4	18.4	17.8	16.6
90°	6.7	7.1	7.8	7.8	7.8	8.1	8.1
92.5°	45.4	34.2	29.0	24.5	23.6	23.1	22.5
95°	200.4	156.9	127.2	102.1	91.5	88.7	83.1
97.5°	340.8	298.4	257.1	235.3	215.5	205.3	200.7
100°	417.4	381.0	344.2	319.8	294.4	281.3	275.7
102.5°	464.3	446.9	422.0	395.9	377.8	363.6	359.4
105°	490.9	506.4	502.6	491.2	479.6	472.5	468.3
107.5°	467.2	507.1	525.6	531.3	531.3	528.9	526.1
110°	440.4	490.2	520.2	536.1	542.8	545.3	545.3



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	413.8	464.2	499.6	522.8	534.4	540.5	543.1
115°	375.7	424.1	462.6	490.2	507.1	517.0	521.6
117.5°	349.3	391.0	426.4	453.9	471.5	481.3	484.1
120°	334.3	373.2	404.3	430.5	447.4	457.0	459.8
122.5°	323.6	358.2	387.3	410.7	426.2	435.8	438.3
125°	309.2	340.0	365.4	385.2	399.7	407.5	411.0
127.5°	295.5	324.2	348.0	366.0	378.8	386.1	387.7
130°	285.9	313.5	336.5	354.1	365.8	372.9	375.0
132.5°	276.9	301.9	324.0	341.7	353.3	359.8	362.2
135°	262.9	285.6	305.7	321.3	332.9	339.3	341.4
137.5°	250.5	269.3	286.4	300.3	310.9	316.8	319.1
140°	243.1	259.4	274.2	287.3	296.5	301.8	303.6
142.5°	236.9	250.9	263.8	274.9	282.7	287.7	289.2
145°	229.0	240.0	249.5	258.0	264.0	267.9	269.3
147.5°	222.4	230.9	238.1	244.8	249.6	251.8	252.5
150°	218.8	225.5	231.8	237.1	241.4	242.8	243.1
152.5°	215.1	221.2	226.2	230.6	234.0	235.4	235.8
155°	209.6	214.5	218.4	221.9	224.4	225.5	225.8
157.5°	204.3	208.2	211.2	214.0	216.0	217.0	216.9
160°	200.4	203.9	206.4	208.9	210.6	211.3	211.0
162.5°	197.0	200.0	202.2	204.1	205.5	205.7	205.6
165°	191.9	194.0	195.8	197.2	197.9	197.9	197.9
167.5°	187.0	188.6	189.9	190.6	191.2	190.9	190.8
170°	184.1	185.2	185.9	186.6	187.0	187.0	186.6
172.5°	181.6	182.4	182.8	182.9	183.6	183.0	182.6
175°	177.8	178.5	178.5	178.5	178.8	178.1	177.8
177.5°	176.1	176.1	176.1	175.9	176.1	175.3	175.3
180°	175.3	175.3	175.3	175.3	175.3	175.3	175.3

(END OF REPORT)