

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: P333624-940

Luminaire Tested: **S125RDIP-S1270D810U940-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333624-940
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-S1270D810U940-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 810 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6982.3 lumens
Efficiency: N/A
Efficacy: 115.0 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

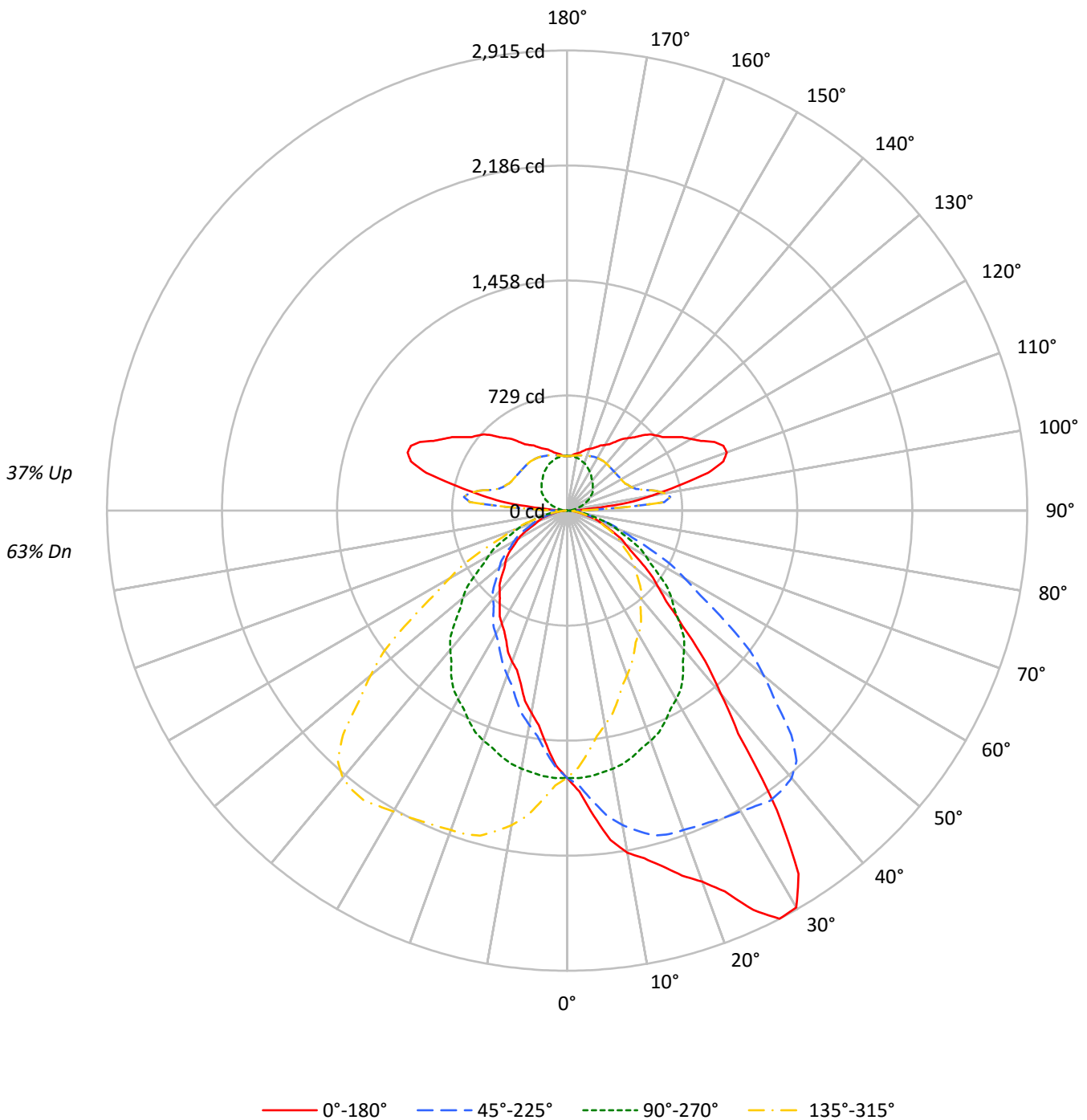
Input Watts (W): 60.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				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	110	110	110	110	103	103	103	103	90	90	90	79	79	79	68	68	68	68	68	68	63
1	101	97	93	90	95	91	88	85	80	78	76	70	68	67	61	60	58	58	58	58	54
2	93	85	79	74	87	80	75	71	71	67	63	62	59	57	54	52	50	50	50	50	46
3	85	75	68	62	79	71	65	60	63	58	54	55	52	48	48	46	43	43	43	43	40
4	78	67	59	53	73	63	56	51	56	51	46	50	45	42	44	40	37	37	37	37	34
5	72	60	52	46	67	57	49	44	51	45	40	45	40	36	39	36	33	33	33	33	30
6	66	54	46	40	62	51	44	38	46	40	35	41	36	32	36	32	29	29	29	29	26
7	61	49	41	35	57	46	39	34	42	36	31	37	32	29	33	29	26	26	26	26	24
8	57	45	37	31	53	42	35	30	38	32	28	34	29	26	30	26	23	23	23	23	21
9	53	41	33	28	50	39	32	27	35	29	25	31	26	23	28	24	21	21	21	21	19
10	50	37	30	25	47	36	29	24	32	27	23	29	24	21	26	22	19	19	19	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10936	10936	10936	10936
5°	12582	10950	9671	10950
10°	14432	10895	8533	10895
15°	15588	10783	7585	10783
20°	17189	10654	7003	10654
25°	19892	10481	6499	10481
30°	21647	10300	6169	10300
35°	18260	10089	5864	10089
40°	12752	9711	5602	9711
45°	9460	9199	5345	9199
50°	7543	8667	5126	8667
55°	6402	8007	4931	8007
60°	5531	7417	4615	7417
65°	4928	6776	3972	6776
70°	4330	6209	3622	6209
75°	3748	5375	3401	5375
80°	2841	4523	2841	4523
85°	2371	3557	2675	3557



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.4	2.3
10°-20°	475.9	6.8
20°-30°	754.5	10.8
30°-40°	909.8	13.0
40°-50°	812.5	11.6
50°-60°	623.1	8.9
60°-70°	404.9	5.8
70°-80°	196.9	2.8
80°-90°	48.9	0.7
90°-100°	250.7	3.6
100°-110°	538.9	7.7
110°-120°	505.7	7.2
120°-130°	409.8	5.9
130°-140°	328.9	4.7
140°-150°	248.2	3.6
150°-160°	174.7	2.5
160°-170°	103.0	1.5
170°-180°	33.5	0.5
0°-30°	1392.7	19.9
0°-40°	2302.6	33.0
0°-60°	3738.2	53.5
0°-90°	4388.9	62.9
90°-120°	1295.2	18.6
90°-150°	2282.2	32.7
90°-180°	2593.0	37.1
0°-180°	6982.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1693	1693	1693	1693	1693	
5°	1941	1689	1492	1689	1941	194
15°	2331	1613	1134	1613	2331	668
25°	2792	1471	912	1471	2792	1282
35°	2316	1280	744	1280	2316	1399
45°	1036	1007	585	1007	1036	826
55°	569	711	438	711	569	516
65°	322	443	260	443	322	321
75°	150	215	136	215	150	160
85°	32	48	36	48	32	37
90°	16	1	16	1	16	13
95°	164	23	164	23	164	232
105°	924	79	924	79	924	918
115°	1029	141	1029	141	1029	1005
125°	811	195	811	195	811	734
135°	674	229	674	229	674	522
145°	531	266	531	266	531	338
155°	446	304	446	304	446	208
165°	390	332	390	332	390	112
175°	351	345	351	345	351	34
180°	346	346	346	346	346	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1781.1	1780.0	1782.3	1776.1	1776.6	1767.2	1767.2	1760.0	1750.5	1743.3	1740.0
5°	1940.7	1942.1	1939.3	1928.9	1922.0	1911.6	1899.7	1878.8	1861.4	1844.8	1831.6
7.5°	2105.1	2106.0	2096.9	2093.6	2076.1	2063.3	2037.0	2008.7	1983.5	1951.6	1927.1
10°	2200.7	2200.0	2190.2	2182.6	2167.3	2147.9	2122.2	2088.7	2057.5	2022.8	1989.4
12.5°	2256.3	2254.5	2251.4	2242.1	2227.9	2210.7	2188.9	2156.1	2117.5	2079.5	2040.5
15°	2331.4	2326.5	2317.5	2305.6	2285.5	2265.3	2241.0	2211.8	2175.0	2131.9	2095.7
17.5°	2424.2	2424.4	2410.5	2394.1	2366.7	2331.1	2293.6	2246.4	2196.4	2148.9	2110.5
20°	2501.0	2498.8	2485.0	2453.0	2421.7	2377.2	2334.1	2276.4	2215.3	2153.4	2105.4
22.5°	2611.1	2605.7	2591.2	2549.2	2500.7	2443.4	2377.5	2307.0	2233.1	2162.8	2099.9
25°	2791.5	2787.3	2758.9	2710.2	2642.0	2553.8	2467.6	2371.0	2264.7	2172.2	2095.7
27.5°	2915.0	2910.4	2889.2	2848.8	2786.0	2693.1	2576.4	2447.3	2314.5	2187.4	2077.1
30°	2902.7	2913.1	2910.4	2891.6	2844.4	2760.9	2653.2	2507.9	2350.1	2200.7	2069.3
32.5°	2728.1	2737.5	2761.9	2798.7	2801.5	2768.1	2687.7	2553.5	2390.1	2220.2	2063.2
35°	2316.0	2328.6	2375.9	2450.2	2547.5	2628.9	2645.5	2573.3	2426.6	2243.8	2054.1
37.5°	1780.6	1849.0	1888.7	1967.0	2114.1	2263.7	2407.5	2460.5	2398.1	2234.1	2039.2
40°	1512.5	1529.2	1600.1	1688.4	1812.1	1967.8	2172.9	2320.9	2325.8	2211.8	2015.8
42.5°	1294.6	1315.7	1364.3	1434.9	1540.8	1696.5	1908.2	2103.5	2194.1	2150.6	1985.2
45°	1035.7	1051.7	1087.2	1141.4	1222.7	1351.3	1533.4	1759.3	1938.7	2008.8	1903.2
47.5°	850.8	859.4	890.3	931.6	991.8	1085.5	1226.5	1422.5	1637.6	1788.5	1773.6
50°	750.7	760.5	784.1	815.4	866.1	945.3	1057.9	1221.3	1443.1	1627.2	1664.1
52.5°	672.9	680.9	695.6	725.2	767.1	828.0	918.9	1066.7	1266.2	1462.0	1547.3
55°	568.6	574.2	585.9	602.6	636.1	679.8	758.3	860.5	1021.8	1219.2	1344.3
57.5°	482.7	485.4	492.9	508.4	531.5	563.5	620.2	706.8	822.4	1000.2	1138.3
60°	428.2	431.0	440.7	451.1	469.2	498.4	542.9	603.3	714.5	861.2	1000.9
62.5°	384.8	386.5	390.7	401.1	417.0	439.4	474.5	523.8	612.2	741.1	873.1
65°	322.5	323.2	324.6	333.0	342.7	359.4	382.3	417.1	483.8	581.1	697.9
67.5°	262.8	263.7	268.6	271.5	281.7	290.4	303.9	330.5	377.5	443.1	533.9
70°	229.3	228.7	233.5	237.0	240.5	250.9	259.9	281.5	310.7	360.8	436.5
72.5°	198.2	196.4	198.5	199.7	204.4	211.4	220.5	233.7	256.2	290.7	348.7
75°	150.2	150.9	150.9	152.2	155.7	158.5	161.2	168.2	180.7	203.7	235.0
77.5°	105.4	104.2	107.2	107.6	109.7	112.7	115.1	117.9	123.1	132.5	148.6
80°	76.4	76.4	77.1	79.3	78.6	79.9	83.4	86.2	92.5	98.0	103.5
82.5°	58.7	58.1	58.8	59.2	59.1	60.5	61.7	62.2	64.6	67.4	71.3
85°	32.0	32.0	32.6	32.6	33.3	33.3	34.1	34.1	34.1	34.8	35.5
87.5°	15.4	14.9	14.2	14.2	14.7	15.6	14.9	14.2	14.1	13.9	14.2
90°	16.1	16.1	15.3	15.3	15.3	13.9	13.3	12.6	11.9	11.1	9.7
92.5°	44.5	45.6	46.5	48.2	57.2	67.5	89.7	123.6	182.0	224.8	228.4
95°	163.8	175.0	180.6	201.5	251.0	309.6	395.3	501.3	604.5	617.8	504.1
97.5°	396.0	404.9	425.2	464.2	507.3	588.7	672.3	746.6	764.8	659.7	450.1
100°	543.9	555.0	580.8	631.0	679.1	751.6	823.4	857.6	803.9	629.6	401.6
102.5°	708.9	717.3	745.3	781.0	832.5	881.5	916.1	894.9	780.5	576.6	364.8
105°	923.8	932.2	946.1	969.1	991.5	999.2	968.5	872.9	705.6	505.5	329.1
107.5°	1037.9	1043.5	1048.0	1048.2	1036.9	1000.5	921.8	794.2	629.2	456.6	314.1
110°	1075.8	1075.8	1070.9	1057.7	1026.3	967.1	868.7	736.3	585.7	433.6	309.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1071.4	1066.3	1054.2	1031.4	985.6	915.7	816.3	690.5	553.3	420.3	309.6
115°	1029.1	1020.0	1000.5	967.1	912.7	836.7	741.2	633.1	518.0	405.8	311.7
117.5°	955.0	949.5	930.1	895.5	841.2	771.4	689.1	596.0	497.0	398.7	316.3
120°	907.0	901.5	882.7	849.2	797.6	736.3	659.6	575.9	485.3	395.3	320.7
122.5°	864.7	859.7	840.9	810.2	764.2	706.7	638.4	560.9	475.2	392.5	324.6
125°	810.8	803.9	788.5	760.0	720.9	670.7	610.1	539.0	461.5	389.1	331.2
127.5°	764.8	761.8	747.3	722.0	686.6	639.6	583.0	516.7	449.0	387.4	338.6
130°	739.8	735.6	721.7	698.7	663.8	618.4	564.1	502.7	440.7	386.3	343.0
132.5°	714.6	709.9	697.1	674.0	639.2	595.6	546.2	488.7	434.0	386.3	348.0
135°	673.5	669.3	656.7	633.7	603.1	563.4	518.7	470.6	426.0	386.3	354.9
137.5°	629.6	625.0	613.4	592.5	565.0	531.3	494.2	455.3	418.9	387.1	361.1
140°	598.9	595.4	585.0	566.9	541.0	511.8	479.7	446.9	415.5	387.6	363.9
142.5°	570.4	567.6	557.7	542.3	520.4	495.0	467.4	439.7	412.8	388.3	365.6
145°	531.3	528.5	520.8	509.0	492.2	473.4	451.8	430.2	408.6	387.6	367.5
147.5°	498.1	496.9	492.4	482.9	469.7	455.4	438.8	421.2	404.2	385.8	368.1
150°	479.7	479.0	476.2	467.9	457.4	444.8	431.6	416.3	400.9	384.1	368.1
152.5°	465.2	464.5	461.7	455.0	446.2	436.5	424.4	410.6	397.0	381.9	367.6
155°	445.5	444.8	442.7	437.8	430.9	423.2	413.5	402.3	390.5	377.9	366.0
157.5°	427.9	428.1	426.1	422.1	416.7	410.6	403.1	394.0	384.3	373.7	364.3
160°	416.3	417.0	415.5	412.1	407.2	402.3	395.3	388.3	379.3	371.0	362.6
162.5°	405.6	405.8	405.5	402.6	398.8	394.5	388.6	382.2	374.8	367.6	360.9
165°	390.5	390.5	390.5	389.1	386.3	382.8	378.6	373.7	368.1	362.6	358.4
167.5°	376.5	376.7	377.2	375.9	374.5	372.0	368.8	365.6	361.6	357.7	354.5
170°	368.1	368.8	368.8	368.1	366.8	365.3	363.3	361.1	357.7	354.9	352.8
172.5°	360.3	361.1	362.1	360.9	360.6	359.8	358.2	356.1	353.7	351.5	350.5
175°	350.7	351.4	352.8	352.1	352.1	352.1	350.7	350.7	348.6	347.9	347.9
177.5°	345.8	345.8	347.5	347.0	347.5	347.5	347.5	347.0	346.3	345.8	345.8
180°	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1740.0	1736.1	1728.8	1722.2	1713.9	1706.6	1701.6	1695.5	1687.7	1678.3	1670.4
5°	1816.9	1801.7	1781.5	1764.2	1742.0	1724.6	1706.5	1689.1	1671.7	1649.5	1630.0
7.5°	1902.4	1870.8	1840.0	1801.4	1766.4	1735.1	1705.0	1674.6	1644.8	1613.3	1582.9
10°	1954.6	1916.4	1874.0	1825.3	1780.8	1738.5	1699.5	1661.3	1621.0	1585.6	1547.3
12.5°	2003.6	1954.2	1905.7	1844.2	1790.8	1739.0	1689.5	1641.8	1598.7	1552.7	1511.7
15°	2047.7	1999.1	1944.9	1869.8	1795.5	1732.9	1674.5	1612.7	1559.1	1507.7	1461.8
17.5°	2064.8	2013.8	1950.9	1878.7	1797.4	1718.7	1643.5	1575.7	1512.7	1452.8	1401.1
20°	2058.2	2008.8	1944.2	1875.4	1788.5	1706.5	1625.1	1550.1	1479.9	1416.6	1361.7
22.5°	2042.1	1991.0	1928.6	1855.9	1773.4	1686.5	1599.6	1519.5	1445.9	1380.5	1320.5
25°	2017.9	1948.4	1884.5	1813.5	1735.0	1648.8	1559.1	1470.8	1392.3	1325.5	1260.3
27.5°	1992.7	1905.9	1824.6	1754.2	1671.2	1594.3	1507.8	1417.3	1334.7	1266.8	1199.7
30°	1969.9	1872.6	1782.9	1703.0	1624.4	1551.5	1469.5	1381.2	1296.4	1226.2	1158.1
32.5°	1941.5	1838.1	1739.5	1647.3	1571.6	1499.2	1425.0	1340.6	1258.0	1185.5	1116.3
35°	1905.9	1773.9	1666.9	1568.9	1484.7	1414.5	1347.8	1279.7	1196.9	1121.9	1054.4
37.5°	1859.2	1709.4	1585.6	1478.7	1390.1	1319.6	1266.9	1204.6	1129.1	1057.2	994.7
40°	1830.9	1662.7	1527.1	1421.5	1328.3	1253.9	1204.6	1151.8	1083.0	1015.6	953.0
42.5°	1793.1	1619.9	1468.2	1358.1	1264.4	1192.8	1142.9	1096.7	1039.0	975.5	908.5
45°	1719.0	1536.9	1377.7	1259.5	1165.0	1094.8	1048.2	1007.2	963.4	905.0	846.6
47.5°	1622.5	1450.3	1283.7	1154.7	1062.1	996.9	951.7	919.4	888.1	838.4	781.7
50°	1545.2	1379.1	1216.4	1091.3	992.6	930.8	888.3	862.6	834.1	788.9	741.6
52.5°	1454.0	1305.6	1146.4	1018.4	925.3	867.4	826.6	800.9	777.4	740.6	695.5
55°	1310.3	1180.3	1034.3	918.2	832.8	774.4	735.4	711.1	697.2	665.9	630.4
57.5°	1144.4	1051.2	922.6	810.7	735.0	677.3	648.8	628.1	612.4	590.3	565.3
60°	1028.8	963.4	848.0	741.6	672.2	617.2	591.6	574.2	559.5	540.8	521.3
62.5°	911.4	863.9	763.5	672.2	608.2	562.2	538.1	522.5	505.6	492.9	474.0
65°	754.2	711.8	642.3	570.7	511.6	474.7	457.4	443.4	433.0	419.1	405.9
67.5°	586.7	569.4	521.5	472.1	429.7	396.9	381.9	372.2	359.6	351.3	342.2
70°	483.8	475.5	441.4	408.8	369.1	346.9	333.0	328.8	313.5	305.1	298.9
72.5°	392.6	388.7	369.1	346.4	318.5	299.0	286.2	281.5	271.8	265.1	261.1
75°	269.0	270.4	266.9	252.4	241.9	229.3	218.3	215.4	208.6	203.0	199.5
77.5°	170.1	177.3	177.5	176.8	172.6	165.1	160.4	158.4	151.5	149.5	148.6
80°	116.8	124.4	131.3	130.6	129.3	127.2	123.8	121.6	118.2	116.1	114.7
82.5°	77.8	85.0	90.8	94.5	94.3	92.2	89.8	88.8	88.1	86.6	86.3
85°	36.8	38.3	40.3	45.2	48.7	49.3	48.7	48.0	45.8	46.5	47.3
87.5°	14.6	14.4	14.7	14.4	13.6	16.1	17.5	17.9	16.9	16.1	15.3
90°	9.1	7.7	7.0	5.6	4.2	2.8	1.4	0.7	1.4	2.8	4.2
92.5°	159.1	95.2	57.2	36.8	24.8	16.1	10.3	8.5	10.3	16.1	24.8
95°	311.7	158.3	83.6	52.3	36.9	29.2	23.7	23.0	23.7	29.2	36.9
97.5°	248.8	136.3	87.0	64.4	50.6	43.0	39.1	38.2	39.1	43.0	50.6
100°	225.9	135.3	94.8	73.9	60.6	53.0	50.2	48.8	50.2	53.0	60.6
102.5°	216.4	140.3	104.3	83.9	71.8	63.6	61.3	60.5	61.3	63.6	71.8
105°	212.7	150.6	119.9	100.4	89.3	82.3	78.8	78.8	78.8	82.3	89.3
107.5°	219.1	165.9	136.3	118.7	107.1	101.4	98.0	96.7	98.0	101.4	107.1
110°	225.2	177.1	148.5	130.4	119.9	113.6	110.8	109.5	110.8	113.6	119.9



TEST NUMBER: P333624-940

CATALOG NUMBER: S125RDIP-S1270D810U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	233.0	187.7	160.2	142.7	132.2	125.9	123.7	122.3	123.7	125.9	132.2
115°	244.7	204.3	178.5	161.0	150.6	144.4	142.2	140.8	142.2	144.4	150.6
117.5°	258.2	221.3	196.9	180.0	168.2	161.9	159.7	157.6	159.7	161.9	168.2
120°	267.1	233.5	209.2	191.7	179.9	173.6	170.9	168.7	170.9	173.6	179.9
122.5°	277.1	245.3	220.9	203.5	190.5	184.2	182.0	180.5	182.0	184.2	190.5
125°	290.7	260.7	237.7	219.6	206.3	200.1	196.6	195.2	196.6	200.1	206.3
127.5°	303.3	275.7	253.5	235.4	221.3	213.4	208.9	206.8	208.9	213.4	221.3
130°	311.7	285.2	263.6	245.4	230.8	221.7	216.2	214.0	216.2	221.7	230.8
132.5°	318.9	294.1	272.5	254.3	239.2	229.0	222.3	219.6	222.3	229.0	239.2
135°	329.1	306.1	284.5	265.6	251.0	239.9	231.5	228.7	231.5	239.9	251.0
137.5°	336.6	314.6	294.9	275.5	261.2	250.0	242.2	240.1	242.2	250.0	261.2
140°	341.6	320.7	300.5	281.7	268.4	257.3	248.9	246.8	248.9	257.3	268.4
142.5°	344.5	324.6	305.5	287.8	275.1	263.9	256.2	254.6	256.2	263.9	275.1
145°	348.6	331.2	313.1	297.0	284.5	274.7	267.7	266.4	267.7	274.7	284.5
147.5°	351.2	335.4	319.5	305.4	294.5	285.4	279.5	278.6	279.5	285.4	294.5
150°	352.8	338.1	322.8	310.9	301.2	292.1	287.2	285.9	287.2	292.1	301.2
152.5°	353.9	340.9	326.7	316.0	306.7	298.8	294.5	293.6	294.5	298.8	306.7
155°	354.9	343.8	331.9	322.1	315.1	308.2	304.0	304.0	304.0	308.2	315.1
157.5°	355.6	346.1	335.9	328.5	322.4	316.4	313.1	313.2	313.1	316.4	322.4
160°	355.6	347.2	338.1	331.9	326.3	321.5	318.6	319.3	318.6	321.5	326.3
162.5°	355.0	348.3	340.4	335.2	330.7	326.5	323.7	324.3	323.7	326.5	330.7
165°	354.2	348.6	343.0	338.9	336.1	332.6	330.5	331.9	330.5	332.6	336.1
167.5°	352.5	348.6	344.0	341.3	339.4	337.4	336.2	336.9	336.2	337.4	339.4
170°	351.4	348.6	345.1	343.0	341.6	340.3	339.6	340.3	339.6	340.3	341.6
172.5°	350.3	348.0	345.1	344.1	343.3	341.9	341.3	342.5	341.3	341.9	343.3
175°	348.6	347.2	345.1	345.1	345.1	344.5	343.8	345.1	343.8	344.5	345.1
177.5°	347.0	346.3	345.3	345.3	345.8	345.3	345.3	346.3	345.3	345.3	345.8
180°	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8



TEST NUMBER: P333624-940

CATALOG NUMBER: S125RDIP-S1270D810U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1664.9	1657.2	1651.5	1640.4	1632.6	1629.3	1623.2	1621.5	1627.6	1623.2	1622.6
5°	1615.4	1595.3	1579.3	1563.3	1545.9	1534.8	1518.1	1515.3	1511.2	1504.9	1503.5
7.5°	1556.0	1529.8	1509.2	1482.8	1459.8	1441.4	1420.5	1410.6	1405.2	1397.1	1386.3
10°	1516.0	1484.7	1457.0	1430.5	1402.0	1379.1	1358.3	1342.2	1331.8	1322.1	1317.9
12.5°	1476.5	1444.7	1409.1	1377.2	1345.3	1319.6	1296.5	1286.1	1274.5	1263.1	1253.4
15°	1415.2	1372.8	1333.9	1297.1	1270.0	1242.2	1219.9	1204.6	1187.2	1182.4	1163.6
17.5°	1350.1	1308.6	1263.0	1224.2	1192.8	1162.2	1137.7	1120.3	1107.3	1089.4	1080.8
20°	1309.6	1260.3	1215.8	1180.3	1145.5	1109.4	1084.3	1069.8	1057.2	1042.7	1035.7
22.5°	1266.2	1218.0	1172.3	1130.8	1095.5	1059.9	1042.1	1027.0	1012.7	999.3	990.1
25°	1202.6	1153.9	1105.9	1062.8	1026.0	1000.2	979.4	962.0	954.4	941.2	931.4
27.5°	1139.5	1087.8	1038.0	995.1	966.2	940.8	923.6	909.9	896.1	884.6	876.1
30°	1098.9	1046.2	991.9	957.9	927.3	902.9	884.1	870.9	860.5	850.1	843.8
32.5°	1058.4	1003.9	955.7	918.9	890.0	869.0	849.7	837.0	826.1	814.5	807.2
35°	993.3	937.7	898.8	862.6	834.1	814.7	801.5	783.4	774.4	766.0	758.3
37.5°	932.8	881.1	839.0	807.3	782.6	763.2	746.1	736.4	725.2	717.7	711.4
40°	888.3	841.1	802.8	769.5	751.4	729.9	713.9	701.3	693.0	683.3	676.4
42.5°	848.3	804.4	767.2	737.3	714.7	696.5	681.1	668.5	658.0	651.0	645.2
45°	791.8	748.0	711.8	683.9	663.2	645.8	629.7	623.5	609.6	601.3	598.5
47.5°	733.2	694.0	659.1	633.5	612.1	595.7	580.7	567.9	560.3	552.1	547.6
50°	693.8	656.2	623.5	598.5	577.7	559.5	545.6	537.3	526.9	519.2	513.7
52.5°	654.2	619.5	586.8	562.8	544.8	526.7	511.2	502.8	492.9	488.1	484.2
55°	597.8	561.0	533.2	509.5	490.7	474.0	459.5	451.1	444.9	440.0	438.6
57.5°	533.9	504.6	478.8	457.5	438.0	422.3	409.6	401.6	396.1	395.4	391.2
60°	492.1	465.7	442.1	419.1	402.4	387.9	376.7	367.7	362.1	361.4	360.1
62.5°	450.4	425.1	403.1	383.0	368.0	353.9	343.4	333.2	329.9	326.5	323.3
65°	388.5	365.6	347.6	331.5	315.6	303.7	293.4	287.0	279.5	275.3	267.6
67.5°	327.8	310.0	292.7	279.2	266.6	255.4	246.7	237.5	232.3	229.0	223.4
70°	287.8	273.8	256.5	241.9	232.2	223.1	216.2	205.7	202.2	199.5	196.7
72.5°	249.9	237.7	223.1	211.3	201.6	193.1	185.0	180.1	176.7	173.9	172.3
75°	196.7	184.9	172.4	164.1	157.1	150.2	146.0	142.5	141.1	140.4	137.6
77.5°	144.5	138.2	128.1	121.5	116.9	114.1	110.4	108.6	108.4	105.4	104.4
80°	110.5	107.0	98.7	95.9	92.5	89.7	87.6	84.1	80.6	79.3	77.1
82.5°	82.1	78.6	75.3	70.9	67.9	66.3	64.2	63.0	63.4	61.4	60.5
85°	43.8	40.3	39.0	38.3	36.8	38.3	37.5	36.8	36.1	35.5	36.1
87.5°	15.0	15.3	14.9	16.2	14.7	15.6	15.7	15.3	15.4	15.6	15.3
90°	5.6	7.0	7.7	9.1	9.7	11.1	11.9	12.6	13.3	13.9	15.3
92.5°	36.8	57.2	95.2	159.1	228.4	224.8	182.0	123.6	89.7	67.5	57.2
95°	52.3	83.6	158.3	311.7	504.1	617.8	604.5	501.3	395.3	309.6	251.0
97.5°	64.4	87.0	136.3	248.8	450.1	659.7	764.8	746.6	672.3	588.7	507.3
100°	73.9	94.8	135.3	225.9	401.6	629.6	803.9	857.6	823.4	751.6	679.1
102.5°	83.9	104.3	140.3	216.4	364.8	576.6	780.5	894.9	916.1	881.5	832.5
105°	100.4	119.9	150.6	212.7	329.1	505.5	705.6	872.9	968.5	999.2	991.5
107.5°	118.7	136.3	165.9	219.1	314.1	456.6	629.2	794.2	921.8	1000.5	1036.9
110°	130.4	148.5	177.1	225.2	309.6	433.6	585.7	736.3	868.7	967.1	1026.3



TEST NUMBER: P333624-940

CATALOG NUMBER: S125RDIP-S1270D810U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	142.7	160.2	187.7	233.0	309.6	420.3	553.3	690.5	816.3	915.7	985.6
115°	161.0	178.5	204.3	244.7	311.7	405.8	518.0	633.1	741.2	836.7	912.7
117.5°	180.0	196.9	221.3	258.2	316.3	398.7	497.0	596.0	689.1	771.4	841.2
120°	191.7	209.2	233.5	267.1	320.7	395.3	485.3	575.9	659.6	736.3	797.6
122.5°	203.5	220.9	245.3	277.1	324.6	392.5	475.2	560.9	638.4	706.7	764.2
125°	219.6	237.7	260.7	290.7	331.2	389.1	461.5	539.0	610.1	670.7	720.9
127.5°	235.4	253.5	275.7	303.3	338.6	387.4	449.0	516.7	583.0	639.6	686.6
130°	245.4	263.6	285.2	311.7	343.0	386.3	440.7	502.7	564.1	618.4	663.8
132.5°	254.3	272.5	294.1	318.9	348.0	386.3	434.0	488.7	546.2	595.6	639.2
135°	265.6	284.5	306.1	329.1	354.9	386.3	426.0	470.6	518.7	563.4	603.1
137.5°	275.5	294.9	314.6	336.6	361.1	387.1	418.9	455.3	494.2	531.3	565.0
140°	281.7	300.5	320.7	341.6	363.9	387.6	415.5	446.9	479.7	511.8	541.0
142.5°	287.8	305.5	324.6	344.5	365.6	388.3	412.8	439.7	467.4	495.0	520.4
145°	297.0	313.1	331.2	348.6	367.5	387.6	408.6	430.2	451.8	473.4	492.2
147.5°	305.4	319.5	335.4	351.2	368.1	385.8	404.2	421.2	438.8	455.4	469.7
150°	310.9	322.8	338.1	352.8	368.1	384.1	400.9	416.3	431.6	444.8	457.4
152.5°	316.0	326.7	340.9	353.9	367.6	381.9	397.0	410.6	424.4	436.5	446.2
155°	322.1	331.9	343.8	354.9	366.0	377.9	390.5	402.3	413.5	423.2	430.9
157.5°	328.5	335.9	346.1	355.6	364.3	373.7	384.3	394.0	403.1	410.6	416.7
160°	331.9	338.1	347.2	355.6	362.6	371.0	379.3	388.3	395.3	402.3	407.2
162.5°	335.2	340.4	348.3	355.0	360.9	367.6	374.8	382.2	388.6	394.5	398.8
165°	338.9	343.0	348.6	354.2	358.4	362.6	368.1	373.7	378.6	382.8	386.3
167.5°	341.3	344.0	348.6	352.5	354.5	357.7	361.6	365.6	368.8	372.0	374.5
170°	343.0	345.1	348.6	351.4	352.8	354.9	357.7	361.1	363.3	365.3	366.8
172.5°	344.1	345.1	348.0	350.3	350.5	351.5	353.7	356.1	358.2	359.8	360.6
175°	345.1	345.1	347.2	348.6	347.9	347.9	348.6	350.7	350.7	352.1	352.1
177.5°	345.3	345.3	346.3	347.0	345.8	345.8	346.3	347.0	347.5	347.5	347.5
180°	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8



TEST NUMBER: P333624-940

CATALOG NUMBER: S125RDIP-S1270D810U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1622.1	1616.0	1614.3	1616.5	1614.3	1616.0	1622.1	1622.6	1623.2	1627.6	1621.5
5°	1496.6	1489.6	1493.1	1491.7	1493.1	1489.6	1496.6	1503.5	1504.9	1511.2	1515.3
7.5°	1386.2	1377.5	1368.3	1371.3	1368.3	1377.5	1386.2	1386.3	1397.1	1405.2	1410.6
10°	1308.9	1301.9	1297.7	1301.2	1297.7	1301.9	1308.9	1317.9	1322.1	1331.8	1342.2
12.5°	1243.8	1239.7	1236.0	1234.5	1236.0	1239.7	1243.8	1253.4	1263.1	1274.5	1286.1
15°	1155.2	1146.9	1143.4	1134.4	1143.4	1146.9	1155.2	1163.6	1182.4	1187.2	1204.6
17.5°	1073.6	1070.9	1061.8	1057.9	1061.8	1070.9	1073.6	1080.8	1089.4	1107.3	1120.3
20°	1025.3	1022.5	1013.4	1019.0	1013.4	1022.5	1025.3	1035.7	1042.7	1057.2	1069.8
22.5°	985.3	979.1	976.2	974.6	976.2	979.1	985.3	990.1	999.3	1012.7	1027.0
25°	928.6	919.6	916.1	912.0	916.1	919.6	928.6	931.4	941.2	954.4	962.0
27.5°	872.2	867.4	862.7	861.7	862.7	867.4	872.2	876.1	884.6	896.1	909.9
30°	835.5	830.6	827.2	827.2	827.2	830.6	835.5	843.8	850.1	860.5	870.9
32.5°	802.7	799.0	795.5	795.0	795.5	799.0	802.7	807.2	814.5	826.1	837.0
35°	754.9	749.3	748.0	743.8	748.0	749.3	754.9	758.3	766.0	774.4	783.4
37.5°	705.3	700.6	700.5	700.1	700.5	700.6	705.3	711.4	717.7	725.2	736.4
40°	673.5	670.0	669.4	664.5	669.4	670.0	673.5	676.4	683.3	693.0	701.3
42.5°	639.6	637.8	635.4	633.4	635.4	637.8	639.6	645.2	651.0	658.0	668.5
45°	593.6	588.7	588.7	585.2	588.7	588.7	593.6	598.5	601.3	609.6	623.5
47.5°	546.1	542.3	542.7	539.1	542.7	542.3	546.1	547.6	552.1	560.3	567.9
50°	514.3	512.3	511.6	510.2	511.6	512.3	514.3	513.7	519.2	526.9	537.3
52.5°	482.7	481.7	484.4	481.3	484.4	481.7	482.7	484.2	488.1	492.9	502.8
55°	440.0	437.9	442.1	437.9	442.1	437.9	440.0	438.6	440.0	444.9	451.1
57.5°	390.9	389.0	392.7	390.7	392.7	389.0	390.9	391.2	395.4	396.1	401.6
60°	358.6	354.5	356.6	357.3	356.6	354.5	358.6	360.1	361.4	362.1	367.7
62.5°	320.3	317.8	319.3	316.1	319.3	317.8	320.3	323.3	326.5	329.9	333.2
65°	266.3	264.1	261.4	259.9	261.4	264.1	266.3	267.6	275.3	279.5	287.0
67.5°	223.6	218.6	218.6	219.6	218.6	218.6	223.6	223.4	229.0	232.3	237.5
70°	192.5	192.5	191.8	191.8	191.8	192.5	192.5	196.7	199.5	202.2	205.7
72.5°	170.9	170.3	169.1	168.5	169.1	170.3	170.9	172.3	173.9	176.7	180.1
75°	137.6	138.3	137.0	136.3	137.0	138.3	137.6	137.6	140.4	141.1	142.5
77.5°	101.7	98.7	100.2	98.7	100.2	98.7	101.7	104.4	105.4	108.4	108.6
80°	77.1	76.4	78.6	76.4	78.6	76.4	77.1	77.1	79.3	80.6	84.1
82.5°	61.0	60.4	61.3	59.7	61.3	60.4	61.0	60.5	61.4	63.4	63.0
85°	36.8	36.1	35.5	36.1	35.5	36.1	36.8	36.1	35.5	36.1	36.8
87.5°	15.9	15.3	15.4	15.4	15.4	15.3	15.9	15.3	15.6	15.4	15.3
90°	15.3	15.3	16.1	16.1	16.1	15.3	15.3	15.3	13.9	13.3	12.6
92.5°	48.2	46.5	45.6	44.5	45.6	46.5	48.2	57.2	67.5	89.7	123.6
95°	201.5	180.6	175.0	163.8	175.0	180.6	201.5	251.0	309.6	395.3	501.3
97.5°	464.2	425.2	404.9	396.0	404.9	425.2	464.2	507.3	588.7	672.3	746.6
100°	631.0	580.8	555.0	543.9	555.0	580.8	631.0	679.1	751.6	823.4	857.6
102.5°	781.0	745.3	717.3	708.9	717.3	745.3	781.0	832.5	881.5	916.1	894.9
105°	969.1	946.1	932.2	923.8	932.2	946.1	969.1	991.5	999.2	968.5	872.9
107.5°	1048.2	1048.0	1043.5	1037.9	1043.5	1048.0	1048.2	1036.9	1000.5	921.8	794.2
110°	1057.7	1070.9	1075.8	1075.8	1075.8	1070.9	1057.7	1026.3	967.1	868.7	736.3



TEST NUMBER: P333624-940

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1031.4	1054.2	1066.3	1071.4	1066.3	1054.2	1031.4	985.6	915.7	816.3	690.5
115°	967.1	1000.5	1020.0	1029.1	1020.0	1000.5	967.1	912.7	836.7	741.2	633.1
117.5°	895.5	930.1	949.5	955.0	949.5	930.1	895.5	841.2	771.4	689.1	596.0
120°	849.2	882.7	901.5	907.0	901.5	882.7	849.2	797.6	736.3	659.6	575.9
122.5°	810.2	840.9	859.7	864.7	859.7	840.9	810.2	764.2	706.7	638.4	560.9
125°	760.0	788.5	803.9	810.8	803.9	788.5	760.0	720.9	670.7	610.1	539.0
127.5°	722.0	747.3	761.8	764.8	761.8	747.3	722.0	686.6	639.6	583.0	516.7
130°	698.7	721.7	735.6	739.8	735.6	721.7	698.7	663.8	618.4	564.1	502.7
132.5°	674.0	697.1	709.9	714.6	709.9	697.1	674.0	639.2	595.6	546.2	488.7
135°	633.7	656.7	669.3	673.5	669.3	656.7	633.7	603.1	563.4	518.7	470.6
137.5°	592.5	613.4	625.0	629.6	625.0	613.4	592.5	565.0	531.3	494.2	455.3
140°	566.9	585.0	595.4	598.9	595.4	585.0	566.9	541.0	511.8	479.7	446.9
142.5°	542.3	557.7	567.6	570.4	567.6	557.7	542.3	520.4	495.0	467.4	439.7
145°	509.0	520.8	528.5	531.3	528.5	520.8	509.0	492.2	473.4	451.8	430.2
147.5°	482.9	492.4	496.9	498.1	496.9	492.4	482.9	469.7	455.4	438.8	421.2
150°	467.9	476.2	479.0	479.7	479.0	476.2	467.9	457.4	444.8	431.6	416.3
152.5°	455.0	461.7	464.5	465.2	464.5	461.7	455.0	446.2	436.5	424.4	410.6
155°	437.8	442.7	444.8	445.5	444.8	442.7	437.8	430.9	423.2	413.5	402.3
157.5°	422.1	426.1	428.1	427.9	428.1	426.1	422.1	416.7	410.6	403.1	394.0
160°	412.1	415.5	417.0	416.3	417.0	415.5	412.1	407.2	402.3	395.3	388.3
162.5°	402.6	405.5	405.8	405.6	405.8	405.5	402.6	398.8	394.5	388.6	382.2
165°	389.1	390.5	390.5	390.5	390.5	390.5	389.1	386.3	382.8	378.6	373.7
167.5°	375.9	377.2	376.7	376.5	376.7	377.2	375.9	374.5	372.0	368.8	365.6
170°	368.1	368.8	368.8	368.1	368.8	368.8	368.1	366.8	365.3	363.3	361.1
172.5°	360.9	362.1	361.1	360.3	361.1	362.1	360.9	360.6	359.8	358.2	356.1
175°	352.1	352.8	351.4	350.7	351.4	352.8	352.1	352.1	352.1	350.7	350.7
177.5°	347.0	347.5	345.8	345.8	345.8	347.5	347.0	347.5	347.5	347.5	347.0
180°	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8



TEST NUMBER: P333624-940

CATALOG NUMBER: S125RDIP-S1270D810U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1623.2	1629.3	1632.6	1640.4	1651.5	1657.2	1664.9	1670.4	1678.3	1687.7	1695.5
5°	1518.1	1534.8	1545.9	1563.3	1579.3	1595.3	1615.4	1630.0	1649.5	1671.7	1689.1
7.5°	1420.5	1441.4	1459.8	1482.8	1509.2	1529.8	1556.0	1582.9	1613.3	1644.8	1674.6
10°	1358.3	1379.1	1402.0	1430.5	1457.0	1484.7	1516.0	1547.3	1585.6	1621.0	1661.3
12.5°	1296.5	1319.6	1345.3	1377.2	1409.1	1444.7	1476.5	1511.7	1552.7	1598.7	1641.8
15°	1219.9	1242.2	1270.0	1297.1	1333.9	1372.8	1415.2	1461.8	1507.7	1559.1	1612.7
17.5°	1137.7	1162.2	1192.8	1224.2	1263.0	1308.6	1350.1	1401.1	1452.8	1512.7	1575.7
20°	1084.3	1109.4	1145.5	1180.3	1215.8	1260.3	1309.6	1361.7	1416.6	1479.9	1550.1
22.5°	1042.1	1059.9	1095.5	1130.8	1172.3	1218.0	1266.2	1320.5	1380.5	1445.9	1519.5
25°	979.4	1000.2	1026.0	1062.8	1105.9	1153.9	1202.6	1260.3	1325.5	1392.3	1470.8
27.5°	923.6	940.8	966.2	995.1	1038.0	1087.8	1139.5	1199.7	1266.8	1334.7	1417.3
30°	884.1	902.9	927.3	957.9	991.9	1046.2	1098.9	1158.1	1226.2	1296.4	1381.2
32.5°	849.7	869.0	890.0	918.9	955.7	1003.9	1058.4	1116.3	1185.5	1258.0	1340.6
35°	801.5	814.7	834.1	862.6	898.8	937.7	993.3	1054.4	1121.9	1196.9	1279.7
37.5°	746.1	763.2	782.6	807.3	839.0	881.1	932.8	994.7	1057.2	1129.1	1204.6
40°	713.9	729.9	751.4	769.5	802.8	841.1	888.3	953.0	1015.6	1083.0	1151.8
42.5°	681.1	696.5	714.7	737.3	767.2	804.4	848.3	908.5	975.5	1039.0	1096.7
45°	629.7	645.8	663.2	683.9	711.8	748.0	791.8	846.6	905.0	963.4	1007.2
47.5°	580.7	595.7	612.1	633.5	659.1	694.0	733.2	781.7	838.4	888.1	919.4
50°	545.6	559.5	577.7	598.5	623.5	656.2	693.8	741.6	788.9	834.1	862.6
52.5°	511.2	526.7	544.8	562.8	586.8	619.5	654.2	695.5	740.6	777.4	800.9
55°	459.5	474.0	490.7	509.5	533.2	561.0	597.8	630.4	665.9	697.2	711.1
57.5°	409.6	422.3	438.0	457.5	478.8	504.6	533.9	565.3	590.3	612.4	628.1
60°	376.7	387.9	402.4	419.1	442.1	465.7	492.1	521.3	540.8	559.5	574.2
62.5°	343.4	353.9	368.0	383.0	403.1	425.1	450.4	474.0	492.9	505.6	522.5
65°	293.4	303.7	315.6	331.5	347.6	365.6	388.5	405.9	419.1	433.0	443.4
67.5°	246.7	255.4	266.6	279.2	292.7	310.0	327.8	342.2	351.3	359.6	372.2
70°	216.2	223.1	232.2	241.9	256.5	273.8	287.8	298.9	305.1	313.5	328.8
72.5°	185.0	193.1	201.6	211.3	223.1	237.7	249.9	261.1	265.1	271.8	281.5
75°	146.0	150.2	157.1	164.1	172.4	184.9	196.7	199.5	203.0	208.6	215.4
77.5°	110.4	114.1	116.9	121.5	128.1	138.2	144.5	148.6	149.5	151.5	158.4
80°	87.6	89.7	92.5	95.9	98.7	107.0	110.5	114.7	116.1	118.2	121.6
82.5°	64.2	66.3	67.9	70.9	75.3	78.6	82.1	86.3	86.6	88.1	88.8
85°	37.5	38.3	36.8	38.3	39.0	40.3	43.8	47.3	46.5	45.8	48.0
87.5°	15.7	15.6	14.7	16.2	14.9	15.3	15.0	15.3	16.1	16.9	17.9
90°	11.9	11.1	9.7	9.1	7.7	7.0	5.6	4.2	2.8	1.4	0.7
92.5°	182.0	224.8	228.4	159.1	95.2	57.2	36.8	24.8	16.1	10.3	8.5
95°	604.5	617.8	504.1	311.7	158.3	83.6	52.3	36.9	29.2	23.7	23.0
97.5°	764.8	659.7	450.1	248.8	136.3	87.0	64.4	50.6	43.0	39.1	38.2
100°	803.9	629.6	401.6	225.9	135.3	94.8	73.9	60.6	53.0	50.2	48.8
102.5°	780.5	576.6	364.8	216.4	140.3	104.3	83.9	71.8	63.6	61.3	60.5
105°	705.6	505.5	329.1	212.7	150.6	119.9	100.4	89.3	82.3	78.8	78.8
107.5°	629.2	456.6	314.1	219.1	165.9	136.3	118.7	107.1	101.4	98.0	96.7
110°	585.7	433.6	309.6	225.2	177.1	148.5	130.4	119.9	113.6	110.8	109.5



TEST NUMBER: P333624-940

CATALOG NUMBER: S125RDIP-S1270D810U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	553.3	420.3	309.6	233.0	187.7	160.2	142.7	132.2	125.9	123.7	122.3
115°	518.0	405.8	311.7	244.7	204.3	178.5	161.0	150.6	144.4	142.2	140.8
117.5°	497.0	398.7	316.3	258.2	221.3	196.9	180.0	168.2	161.9	159.7	157.6
120°	485.3	395.3	320.7	267.1	233.5	209.2	191.7	179.9	173.6	170.9	168.7
122.5°	475.2	392.5	324.6	277.1	245.3	220.9	203.5	190.5	184.2	182.0	180.5
125°	461.5	389.1	331.2	290.7	260.7	237.7	219.6	206.3	200.1	196.6	195.2
127.5°	449.0	387.4	338.6	303.3	275.7	253.5	235.4	221.3	213.4	208.9	206.8
130°	440.7	386.3	343.0	311.7	285.2	263.6	245.4	230.8	221.7	216.2	214.0
132.5°	434.0	386.3	348.0	318.9	294.1	272.5	254.3	239.2	229.0	222.3	219.6
135°	426.0	386.3	354.9	329.1	306.1	284.5	265.6	251.0	239.9	231.5	228.7
137.5°	418.9	387.1	361.1	336.6	314.6	294.9	275.5	261.2	250.0	242.2	240.1
140°	415.5	387.6	363.9	341.6	320.7	300.5	281.7	268.4	257.3	248.9	246.8
142.5°	412.8	388.3	365.6	344.5	324.6	305.5	287.8	275.1	263.9	256.2	254.6
145°	408.6	387.6	367.5	348.6	331.2	313.1	297.0	284.5	274.7	267.7	266.4
147.5°	404.2	385.8	368.1	351.2	335.4	319.5	305.4	294.5	285.4	279.5	278.6
150°	400.9	384.1	368.1	352.8	338.1	322.8	310.9	301.2	292.1	287.2	285.9
152.5°	397.0	381.9	367.6	353.9	340.9	326.7	316.0	306.7	298.8	294.5	293.6
155°	390.5	377.9	366.0	354.9	343.8	331.9	322.1	315.1	308.2	304.0	304.0
157.5°	384.3	373.7	364.3	355.6	346.1	335.9	328.5	322.4	316.4	313.1	313.2
160°	379.3	371.0	362.6	355.6	347.2	338.1	331.9	326.3	321.5	318.6	319.3
162.5°	374.8	367.6	360.9	355.0	348.3	340.4	335.2	330.7	326.5	323.7	324.3
165°	368.1	362.6	358.4	354.2	348.6	343.0	338.9	336.1	332.6	330.5	331.9
167.5°	361.6	357.7	354.5	352.5	348.6	344.0	341.3	339.4	337.4	336.2	336.9
170°	357.7	354.9	352.8	351.4	348.6	345.1	343.0	341.6	340.3	339.6	340.3
172.5°	353.7	351.5	350.5	350.3	348.0	345.1	344.1	343.3	341.9	341.3	342.5
175°	348.6	347.9	347.9	348.6	347.2	345.1	345.1	345.1	344.5	343.8	345.1
177.5°	346.3	345.8	345.8	347.0	346.3	345.3	345.3	345.8	345.3	345.3	346.3
180°	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8



TEST NUMBER: P333624-940

CATALOG NUMBER: S125RDIP-S1270D810U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1701.6	1706.6	1713.9	1722.2	1728.8	1736.1	1740.0	1740.0	1743.3	1750.5	1760.0
5°	1706.5	1724.6	1742.0	1764.2	1781.5	1801.7	1816.9	1831.6	1844.8	1861.4	1878.8
7.5°	1705.0	1735.1	1766.4	1801.4	1840.0	1870.8	1902.4	1927.1	1951.6	1983.5	2008.7
10°	1699.5	1738.5	1780.8	1825.3	1874.0	1916.4	1954.6	1989.4	2022.8	2057.5	2088.7
12.5°	1689.5	1739.0	1790.8	1844.2	1905.7	1954.2	2003.6	2040.5	2079.5	2117.5	2156.1
15°	1674.5	1732.9	1795.5	1869.8	1944.9	1999.1	2047.7	2095.7	2131.9	2175.0	2211.8
17.5°	1643.5	1718.7	1797.4	1878.7	1950.9	2013.8	2064.8	2110.5	2148.9	2196.4	2246.4
20°	1625.1	1706.5	1788.5	1875.4	1944.2	2008.8	2058.2	2105.4	2153.4	2215.3	2276.4
22.5°	1599.6	1686.5	1773.4	1855.9	1928.6	1991.0	2042.1	2099.9	2162.8	2233.1	2307.0
25°	1559.1	1648.8	1735.0	1813.5	1884.5	1948.4	2017.9	2095.7	2172.2	2264.7	2371.0
27.5°	1507.8	1594.3	1671.2	1754.2	1824.6	1905.9	1992.7	2077.1	2187.4	2314.5	2447.3
30°	1469.5	1551.5	1624.4	1703.0	1782.9	1872.6	1969.9	2069.3	2200.7	2350.1	2507.9
32.5°	1425.0	1499.2	1571.6	1647.3	1739.5	1838.1	1941.5	2063.2	2220.2	2390.1	2553.5
35°	1347.8	1414.5	1484.7	1568.9	1666.9	1773.9	1905.9	2054.1	2243.8	2426.6	2573.3
37.5°	1266.9	1319.6	1390.1	1478.7	1585.6	1709.4	1859.2	2039.2	2234.1	2398.1	2460.5
40°	1204.6	1253.9	1328.3	1421.5	1527.1	1662.7	1830.9	2015.8	2211.8	2325.8	2320.9
42.5°	1142.9	1192.8	1264.4	1358.1	1468.2	1619.9	1793.1	1985.2	2150.6	2194.1	2103.5
45°	1048.2	1094.8	1165.0	1259.5	1377.7	1536.9	1719.0	1903.2	2008.8	1938.7	1759.3
47.5°	951.7	996.9	1062.1	1154.7	1283.7	1450.3	1622.5	1773.6	1788.5	1637.6	1422.5
50°	888.3	930.8	992.6	1091.3	1216.4	1379.1	1545.2	1664.1	1627.2	1443.1	1221.3
52.5°	826.6	867.4	925.3	1018.4	1146.4	1305.6	1454.0	1547.3	1462.0	1266.2	1066.7
55°	735.4	774.4	832.8	918.2	1034.3	1180.3	1310.3	1344.3	1219.2	1021.8	860.5
57.5°	648.8	677.3	735.0	810.7	922.6	1051.2	1144.4	1138.3	1000.2	822.4	706.8
60°	591.6	617.2	672.2	741.6	848.0	963.4	1028.8	1000.9	861.2	714.5	603.3
62.5°	538.1	562.2	608.2	672.2	763.5	863.9	911.4	873.1	741.1	612.2	523.8
65°	457.4	474.7	511.6	570.7	642.3	711.8	754.2	697.9	581.1	483.8	417.1
67.5°	381.9	396.9	429.7	472.1	521.5	569.4	586.7	533.9	443.1	377.5	330.5
70°	333.0	346.9	369.1	408.8	441.4	475.5	483.8	436.5	360.8	310.7	281.5
72.5°	286.2	299.0	318.5	346.4	369.1	388.7	392.6	348.7	290.7	256.2	233.7
75°	218.3	229.3	241.9	252.4	266.9	270.4	269.0	235.0	203.7	180.7	168.2
77.5°	160.4	165.1	172.6	176.8	177.5	177.3	170.1	148.6	132.5	123.1	117.9
80°	123.8	127.2	129.3	130.6	131.3	124.4	116.8	103.5	98.0	92.5	86.2
82.5°	89.8	92.2	94.3	94.5	90.8	85.0	77.8	71.3	67.4	64.6	62.2
85°	48.7	49.3	48.7	45.2	40.3	38.3	36.8	35.5	34.8	34.1	34.1
87.5°	17.5	16.1	13.6	14.4	14.7	14.4	14.6	14.2	13.9	14.1	14.2
90°	1.4	2.8	4.2	5.6	7.0	7.7	9.1	9.7	11.1	11.9	12.6
92.5°	10.3	16.1	24.8	36.8	57.2	95.2	159.1	228.4	224.8	182.0	123.6
95°	23.7	29.2	36.9	52.3	83.6	158.3	311.7	504.1	617.8	604.5	501.3
97.5°	39.1	43.0	50.6	64.4	87.0	136.3	248.8	450.1	659.7	764.8	746.6
100°	50.2	53.0	60.6	73.9	94.8	135.3	225.9	401.6	629.6	803.9	857.6
102.5°	61.3	63.6	71.8	83.9	104.3	140.3	216.4	364.8	576.6	780.5	894.9
105°	78.8	82.3	89.3	100.4	119.9	150.6	212.7	329.1	505.5	705.6	872.9
107.5°	98.0	101.4	107.1	118.7	136.3	165.9	219.1	314.1	456.6	629.2	794.2
110°	110.8	113.6	119.9	130.4	148.5	177.1	225.2	309.6	433.6	585.7	736.3



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	123.7	125.9	132.2	142.7	160.2	187.7	233.0	309.6	420.3	553.3	690.5
115°	142.2	144.4	150.6	161.0	178.5	204.3	244.7	311.7	405.8	518.0	633.1
117.5°	159.7	161.9	168.2	180.0	196.9	221.3	258.2	316.3	398.7	497.0	596.0
120°	170.9	173.6	179.9	191.7	209.2	233.5	267.1	320.7	395.3	485.3	575.9
122.5°	182.0	184.2	190.5	203.5	220.9	245.3	277.1	324.6	392.5	475.2	560.9
125°	196.6	200.1	206.3	219.6	237.7	260.7	290.7	331.2	389.1	461.5	539.0
127.5°	208.9	213.4	221.3	235.4	253.5	275.7	303.3	338.6	387.4	449.0	516.7
130°	216.2	221.7	230.8	245.4	263.6	285.2	311.7	343.0	386.3	440.7	502.7
132.5°	222.3	229.0	239.2	254.3	272.5	294.1	318.9	348.0	386.3	434.0	488.7
135°	231.5	239.9	251.0	265.6	284.5	306.1	329.1	354.9	386.3	426.0	470.6
137.5°	242.2	250.0	261.2	275.5	294.9	314.6	336.6	361.1	387.1	418.9	455.3
140°	248.9	257.3	268.4	281.7	300.5	320.7	341.6	363.9	387.6	415.5	446.9
142.5°	256.2	263.9	275.1	287.8	305.5	324.6	344.5	365.6	388.3	412.8	439.7
145°	267.7	274.7	284.5	297.0	313.1	331.2	348.6	367.5	387.6	408.6	430.2
147.5°	279.5	285.4	294.5	305.4	319.5	335.4	351.2	368.1	385.8	404.2	421.2
150°	287.2	292.1	301.2	310.9	322.8	338.1	352.8	368.1	384.1	400.9	416.3
152.5°	294.5	298.8	306.7	316.0	326.7	340.9	353.9	367.6	381.9	397.0	410.6
155°	304.0	308.2	315.1	322.1	331.9	343.8	354.9	366.0	377.9	390.5	402.3
157.5°	313.1	316.4	322.4	328.5	335.9	346.1	355.6	364.3	373.7	384.3	394.0
160°	318.6	321.5	326.3	331.9	338.1	347.2	355.6	362.6	371.0	379.3	388.3
162.5°	323.7	326.5	330.7	335.2	340.4	348.3	355.0	360.9	367.6	374.8	382.2
165°	330.5	332.6	336.1	338.9	343.0	348.6	354.2	358.4	362.6	368.1	373.7
167.5°	336.2	337.4	339.4	341.3	344.0	348.6	352.5	354.5	357.7	361.6	365.6
170°	339.6	340.3	341.6	343.0	345.1	348.6	351.4	352.8	354.9	357.7	361.1
172.5°	341.3	341.9	343.3	344.1	345.1	348.0	350.3	350.5	351.5	353.7	356.1
175°	343.8	344.5	345.1	345.1	345.1	347.2	348.6	347.9	347.9	348.6	350.7
177.5°	345.3	345.3	345.8	345.3	345.3	346.3	347.0	345.8	345.8	346.3	347.0
180°	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1767.2	1767.2	1776.6	1776.1	1782.3	1780.0	1781.1
5°	1899.7	1911.6	1922.0	1928.9	1939.3	1942.1	1940.7
7.5°	2037.0	2063.3	2076.1	2093.6	2096.9	2106.0	2105.1
10°	2122.2	2147.9	2167.3	2182.6	2190.2	2200.0	2200.7
12.5°	2188.9	2210.7	2227.9	2242.1	2251.4	2254.5	2256.3
15°	2241.0	2265.3	2285.5	2305.6	2317.5	2326.5	2331.4
17.5°	2293.6	2331.1	2366.7	2394.1	2410.5	2424.4	2424.2
20°	2334.1	2377.2	2421.7	2453.0	2485.0	2498.8	2501.0
22.5°	2377.5	2443.4	2500.7	2549.2	2591.2	2605.7	2611.1
25°	2467.6	2553.8	2642.0	2710.2	2758.9	2787.3	2791.5
27.5°	2576.4	2693.1	2786.0	2848.8	2889.2	2910.4	2915.0
30°	2653.2	2760.9	2844.4	2891.6	2910.4	2913.1	2902.7
32.5°	2687.7	2768.1	2801.5	2798.7	2761.9	2737.5	2728.1
35°	2645.5	2628.9	2547.5	2450.2	2375.9	2328.6	2316.0
37.5°	2407.5	2263.7	2114.1	1967.0	1888.7	1849.0	1780.6
40°	2172.9	1967.8	1812.1	1688.4	1600.1	1529.2	1512.5
42.5°	1908.2	1696.5	1540.8	1434.9	1364.3	1315.7	1294.6
45°	1533.4	1351.3	1222.7	1141.4	1087.2	1051.7	1035.7
47.5°	1226.5	1085.5	991.8	931.6	890.3	859.4	850.8
50°	1057.9	945.3	866.1	815.4	784.1	760.5	750.7
52.5°	918.9	828.0	767.1	725.2	695.6	680.9	672.9
55°	758.3	679.8	636.1	602.6	585.9	574.2	568.6
57.5°	620.2	563.5	531.5	508.4	492.9	485.4	482.7
60°	542.9	498.4	469.2	451.1	440.7	431.0	428.2
62.5°	474.5	439.4	417.0	401.1	390.7	386.5	384.8
65°	382.3	359.4	342.7	333.0	324.6	323.2	322.5
67.5°	303.9	290.4	281.7	271.5	268.6	263.7	262.8
70°	259.9	250.9	240.5	237.0	233.5	228.7	229.3
72.5°	220.5	211.4	204.4	199.7	198.5	196.4	198.2
75°	161.2	158.5	155.7	152.2	150.9	150.9	150.2
77.5°	115.1	112.7	109.7	107.6	107.2	104.2	105.4
80°	83.4	79.9	78.6	79.3	77.1	76.4	76.4
82.5°	61.7	60.5	59.1	59.2	58.8	58.1	58.7
85°	34.1	33.3	33.3	32.6	32.6	32.0	32.0
87.5°	14.9	15.6	14.7	14.2	14.2	14.9	15.4
90°	13.3	13.9	15.3	15.3	15.3	16.1	16.1
92.5°	89.7	67.5	57.2	48.2	46.5	45.6	44.5
95°	395.3	309.6	251.0	201.5	180.6	175.0	163.8
97.5°	672.3	588.7	507.3	464.2	425.2	404.9	396.0
100°	823.4	751.6	679.1	631.0	580.8	555.0	543.9
102.5°	916.1	881.5	832.5	781.0	745.3	717.3	708.9
105°	968.5	999.2	991.5	969.1	946.1	932.2	923.8
107.5°	921.8	1000.5	1036.9	1048.2	1048.0	1043.5	1037.9
110°	868.7	967.1	1026.3	1057.7	1070.9	1075.8	1075.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	816.3	915.7	985.6	1031.4	1054.2	1066.3	1071.4
115°	741.2	836.7	912.7	967.1	1000.5	1020.0	1029.1
117.5°	689.1	771.4	841.2	895.5	930.1	949.5	955.0
120°	659.6	736.3	797.6	849.2	882.7	901.5	907.0
122.5°	638.4	706.7	764.2	810.2	840.9	859.7	864.7
125°	610.1	670.7	720.9	760.0	788.5	803.9	810.8
127.5°	583.0	639.6	686.6	722.0	747.3	761.8	764.8
130°	564.1	618.4	663.8	698.7	721.7	735.6	739.8
132.5°	546.2	595.6	639.2	674.0	697.1	709.9	714.6
135°	518.7	563.4	603.1	633.7	656.7	669.3	673.5
137.5°	494.2	531.3	565.0	592.5	613.4	625.0	629.6
140°	479.7	511.8	541.0	566.9	585.0	595.4	598.9
142.5°	467.4	495.0	520.4	542.3	557.7	567.6	570.4
145°	451.8	473.4	492.2	509.0	520.8	528.5	531.3
147.5°	438.8	455.4	469.7	482.9	492.4	496.9	498.1
150°	431.6	444.8	457.4	467.9	476.2	479.0	479.7
152.5°	424.4	436.5	446.2	455.0	461.7	464.5	465.2
155°	413.5	423.2	430.9	437.8	442.7	444.8	445.5
157.5°	403.1	410.6	416.7	422.1	426.1	428.1	427.9
160°	395.3	402.3	407.2	412.1	415.5	417.0	416.3
162.5°	388.6	394.5	398.8	402.6	405.5	405.8	405.6
165°	378.6	382.8	386.3	389.1	390.5	390.5	390.5
167.5°	368.8	372.0	374.5	375.9	377.2	376.7	376.5
170°	363.3	365.3	366.8	368.1	368.8	368.8	368.1
172.5°	358.2	359.8	360.6	360.9	362.1	361.1	360.3
175°	350.7	352.1	352.1	352.1	352.8	351.4	350.7
177.5°	347.5	347.5	347.5	347.0	347.5	345.8	345.8
180°	345.8	345.8	345.8	345.8	345.8	345.8	345.8

(END OF REPORT)