

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: P333315-927

Luminaire Tested: **S125DIP-S1270D810U927-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333315-927
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-S1270D810U927-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 810 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6411.1 lumens
Efficiency: N/A
Efficacy: 105.6 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

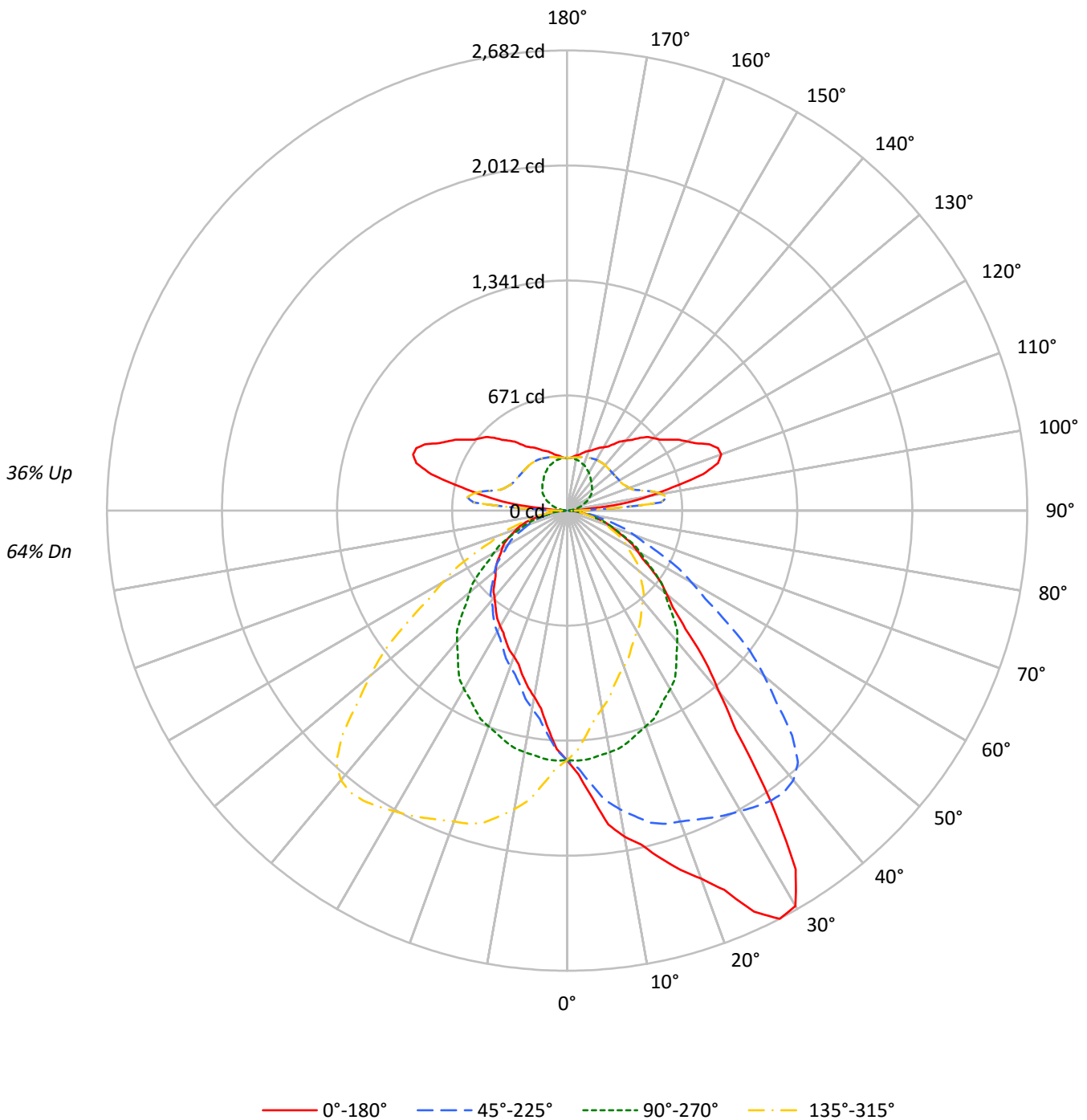
Input Watts (W): 60.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
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	110	110	110	110	104	104	104	104	91	91	91	80	80	80	69	69	69	64
1	101	97	93	90	95	91	88	85	80	78	76	71	69	67	62	60	59	55
2	92	85	79	74	87	80	75	70	71	67	63	62	59	56	54	52	50	46
3	84	75	68	62	79	71	64	59	63	58	53	55	51	48	48	45	43	39
4	77	67	59	52	72	63	56	50	56	50	46	49	45	41	43	40	37	34
5	71	59	51	45	67	56	49	43	50	44	40	44	40	36	39	35	32	30
6	66	53	45	39	61	51	43	38	45	39	35	40	35	32	36	32	29	26
7	61	48	40	35	57	46	38	33	41	35	31	37	32	28	33	29	25	23
8	56	44	36	31	53	42	35	30	38	32	27	34	29	25	30	26	23	21
9	53	40	33	27	49	38	31	26	34	29	24	31	26	23	28	24	21	19
10	49	37	30	25	46	35	28	24	32	26	22	29	24	20	26	22	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9396	9396	9396	9396
5°	10881	9428	8255	9428
10°	12660	9379	7233	9379
15°	14014	9310	6672	9310
20°	15687	9201	6222	9201
25°	18377	9079	6002	9079
30°	19848	8957	5812	8957
35°	16320	8729	5687	8729
40°	11600	8413	5550	8413
45°	8912	7986	5471	7986
50°	7607	7458	5460	7458
55°	6773	6939	5507	6939
60°	6110	6373	5647	6373
65°	5644	5804	5793	5804
70°	5130	5212	5876	5212
75°	4531	4591	5827	4591
80°	3812	3745	5326	3745
85°	3016	2697	4305	2697



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.1	2.2
10°-20°	417.0	6.5
20°-30°	677.1	10.6
30°-40°	826.0	12.9
40°-50°	751.4	11.7
50°-60°	598.5	9.3
60°-70°	416.9	6.5
70°-80°	222.3	3.5
80°-90°	57.8	0.9
90°-100°	222.7	3.5
100°-110°	478.7	7.5
110°-120°	449.3	7.0
120°-130°	364.1	5.7
130°-140°	292.2	4.6
140°-150°	220.5	3.4
150°-160°	155.2	2.4
160°-170°	91.5	1.4
170°-180°	29.8	0.5
0°-30°	1234.2	19.3
0°-40°	2060.2	32.1
0°-60°	3410.1	53.2
0°-90°	4107.1	64.1
90°-120°	1150.7	17.9
90°-150°	2027.5	31.6
90°-180°	2304.0	35.9
0°-180°	6411.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1455	1455	1455	1455	1455	
5°	1678	1454	1273	1454	1678	169
15°	2096	1392	998	1392	2096	600
25°	2579	1274	842	1274	2579	1178
35°	2070	1107	721	1107	2070	1267
45°	976	874	599	874	976	781
55°	602	616	489	616	602	542
65°	369	380	379	380	369	367
75°	182	184	234	184	182	196
85°	41	36	58	36	41	47
90°	14	1	14	1	14	11
95°	146	20	146	20	146	206
105°	821	70	821	70	821	816
115°	914	125	914	125	914	893
125°	720	173	720	173	720	652
135°	598	203	598	203	598	464
145°	472	237	472	237	472	300
155°	396	270	396	270	396	184
165°	347	295	347	295	347	99
175°	312	307	312	307	312	30
180°	307	307	307	307	307	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9
2.5°	1538.9	1536.9	1534.9	1531.0	1533.9	1525.5	1521.5	1514.7	1506.3	1503.3	1499.8
5°	1678.4	1681.5	1684.6	1671.7	1672.9	1664.2	1644.5	1628.4	1615.4	1598.8	1587.1
7.5°	1846.4	1839.1	1838.5	1830.1	1815.7	1804.0	1783.3	1756.8	1731.3	1702.2	1678.1
10°	1930.4	1931.0	1925.5	1915.6	1900.1	1889.0	1861.9	1835.9	1804.4	1767.4	1740.8
12.5°	1993.6	1996.2	1989.2	1975.9	1968.3	1943.4	1922.1	1891.3	1853.8	1824.2	1783.8
15°	2095.9	2089.1	2084.2	2067.4	2054.5	2028.5	1994.6	1962.5	1921.8	1884.0	1846.4
17.5°	2194.4	2199.9	2190.6	2175.4	2135.2	2104.9	2059.4	2015.3	1964.6	1914.1	1869.2
20°	2282.4	2287.3	2273.1	2246.5	2198.4	2168.1	2108.2	2051.4	1992.7	1927.9	1878.5
22.5°	2392.1	2388.1	2368.9	2328.5	2286.8	2230.9	2166.1	2096.8	2023.4	1950.1	1884.4
25°	2578.8	2552.8	2541.1	2491.1	2436.1	2354.0	2265.1	2163.8	2072.4	1975.5	1891.5
27.5°	2682.3	2674.1	2661.0	2626.2	2568.4	2480.6	2375.8	2252.3	2123.4	2001.1	1891.1
30°	2661.5	2662.8	2664.0	2652.9	2615.9	2549.7	2445.4	2312.6	2159.5	2021.8	1894.6
32.5°	2477.8	2500.2	2521.8	2547.2	2557.6	2544.8	2479.5	2359.6	2201.9	2045.5	1892.6
35°	2070.0	2076.7	2146.5	2215.7	2309.5	2382.4	2431.2	2378.1	2245.3	2065.6	1890.2
37.5°	1614.0	1647.3	1695.6	1773.8	1909.2	2030.5	2186.5	2258.3	2215.4	2072.2	1885.9
40°	1375.9	1406.8	1438.2	1517.9	1632.1	1779.1	1956.3	2107.6	2142.8	2051.4	1871.1
42.5°	1192.1	1216.6	1251.5	1311.4	1406.8	1537.0	1706.4	1904.1	2025.7	1991.2	1840.0
45°	975.7	991.1	1018.3	1065.9	1135.0	1236.9	1386.3	1602.5	1790.8	1853.2	1766.1
47.5°	835.1	835.0	856.1	889.0	938.9	1025.5	1136.0	1305.4	1506.5	1655.3	1648.5
50°	757.1	754.0	770.6	799.1	838.6	896.0	1001.6	1136.9	1330.2	1498.7	1545.6
52.5°	689.9	690.2	700.5	721.5	754.6	803.7	882.6	1004.5	1169.6	1342.6	1431.1
55°	601.5	599.0	610.7	625.0	649.0	681.1	737.9	831.2	965.2	1135.6	1250.5
57.5°	520.5	527.3	532.0	541.9	561.8	583.3	631.2	699.7	806.0	952.2	1073.6
60°	473.0	479.8	483.5	493.4	509.5	528.0	565.1	620.6	710.2	836.1	956.6
62.5°	430.6	435.9	437.0	446.0	459.1	477.1	506.3	552.9	623.7	733.9	851.8
65°	369.3	369.3	371.8	381.0	387.2	403.2	425.5	459.5	516.3	602.1	702.7
67.5°	310.2	313.2	312.6	316.6	322.3	334.9	350.8	378.8	420.9	483.5	564.0
70°	271.7	274.2	273.5	276.6	282.8	290.9	303.8	330.3	360.6	414.4	483.5
72.5°	237.1	238.1	236.5	240.6	244.3	251.4	265.8	280.0	308.2	353.6	410.4
75°	181.6	182.8	184.0	186.5	190.2	193.9	201.3	215.6	234.0	268.0	304.4
77.5°	136.1	133.7	136.7	136.3	138.5	141.3	147.8	155.3	170.6	192.0	220.2
80°	102.5	103.1	103.1	103.8	106.9	108.7	114.2	119.8	131.5	147.6	167.4
82.5°	74.9	76.4	75.5	76.6	79.1	80.5	83.6	88.2	95.0	107.6	121.9
85°	40.7	37.7	38.9	40.2	40.2	40.7	43.3	45.1	48.8	53.7	59.3
87.5°	14.7	15.7	16.1	16.1	16.6	16.3	18.1	18.1	19.4	20.8	22.5
90°	14.3	14.3	13.6	13.6	13.6	12.4	11.8	11.2	10.5	9.9	8.6
92.5°	39.5	40.5	41.4	42.9	50.8	60.0	79.7	109.8	161.7	199.7	202.9
95°	145.5	155.5	160.4	179.0	223.0	275.0	351.2	445.4	537.0	548.8	447.8
97.5°	351.8	359.7	377.7	412.4	450.7	523.0	597.2	663.3	679.5	586.1	399.9
100°	483.2	493.1	515.9	560.5	603.3	667.7	731.5	761.8	714.2	559.4	356.8
102.5°	629.8	637.2	662.1	693.9	739.6	783.2	813.8	795.0	693.4	512.2	324.1
105°	820.7	828.1	840.5	860.9	880.8	887.6	860.4	775.5	626.9	449.1	292.4
107.5°	922.0	927.0	931.1	931.2	921.1	888.8	818.9	705.6	559.0	405.6	279.0
110°	955.8	955.8	951.4	939.6	911.7	859.1	771.7	654.1	520.3	385.2	275.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	951.8	947.3	936.5	916.3	875.6	813.5	725.2	613.5	491.5	373.4	275.0
115°	914.3	906.2	888.8	859.1	810.8	743.3	658.5	562.4	460.2	360.5	276.9
117.5°	848.4	843.5	826.2	795.6	747.3	685.3	612.2	529.5	441.5	354.2	281.0
120°	805.8	800.9	784.2	754.4	708.6	654.1	586.0	511.6	431.1	351.2	284.9
122.5°	768.2	763.7	747.0	719.8	678.9	627.8	567.1	498.3	422.2	348.7	288.4
125°	720.3	714.2	700.5	675.2	640.5	595.9	542.0	478.8	410.0	345.6	294.2
127.5°	679.5	676.8	663.8	641.4	610.0	568.2	517.9	459.0	398.9	344.1	300.8
130°	657.2	653.5	641.1	620.7	589.7	549.4	501.1	446.6	391.5	343.2	304.8
132.5°	634.9	630.7	619.2	598.8	567.8	529.1	485.2	434.2	385.6	343.2	309.2
135°	598.3	594.6	583.4	563.0	535.8	500.5	460.8	418.1	378.4	343.2	315.3
137.5°	559.4	555.2	544.9	526.4	501.9	472.0	439.0	404.5	372.2	343.9	320.8
140°	532.0	528.9	519.7	503.6	480.6	454.6	426.1	397.0	369.2	344.4	323.3
142.5°	506.8	504.2	495.4	481.8	462.3	439.7	415.3	390.6	366.7	344.9	324.8
145°	472.0	469.5	462.7	452.2	437.3	420.6	401.4	382.1	363.0	344.4	326.5
147.5°	442.5	441.4	437.4	429.0	417.2	404.6	389.8	374.2	359.1	342.8	327.0
150°	426.1	425.6	423.0	415.7	406.3	395.1	383.4	369.8	356.2	341.3	327.0
152.5°	413.3	412.6	410.2	404.3	396.4	387.8	377.0	364.8	352.7	339.3	326.5
155°	395.8	395.1	393.3	389.0	382.8	376.0	367.3	357.4	346.9	335.7	325.2
157.5°	380.2	380.3	378.6	375.0	370.2	364.8	358.1	350.0	341.4	332.0	323.6
160°	369.8	370.4	369.2	366.1	361.7	357.4	351.2	345.0	337.0	329.5	322.1
162.5°	360.4	360.5	360.2	357.7	354.3	350.5	345.2	339.5	333.0	326.5	320.6
165°	346.9	346.9	346.9	345.6	343.2	340.1	336.4	332.0	327.0	322.1	318.4
167.5°	334.5	334.6	335.1	334.0	332.7	330.5	327.6	324.8	321.2	317.7	314.9
170°	327.0	327.6	327.6	327.0	325.8	324.6	322.7	320.8	317.7	315.3	313.4
172.5°	320.1	320.8	321.7	320.6	320.4	319.6	318.2	316.4	314.3	312.3	311.4
175°	311.6	312.2	313.4	312.8	312.8	312.8	311.6	311.6	309.7	309.1	309.1
177.5°	307.2	307.2	308.7	308.2	308.7	308.7	308.7	308.2	307.7	307.2	307.2
180°	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9
2.5°	1496.9	1493.4	1489.5	1482.6	1474.2	1469.7	1462.8	1458.3	1449.5	1442.0	1434.2
5°	1572.8	1556.8	1542.0	1522.8	1501.8	1488.2	1472.2	1454.3	1435.8	1416.6	1395.6
7.5°	1651.5	1623.1	1592.2	1559.0	1526.5	1496.6	1468.1	1440.0	1413.9	1382.3	1355.5
10°	1704.4	1668.6	1630.2	1585.2	1541.3	1503.1	1464.1	1430.2	1395.6	1358.5	1325.8
12.5°	1757.2	1709.5	1655.4	1605.9	1553.2	1507.0	1461.2	1417.8	1374.4	1333.3	1295.2
15°	1794.5	1752.5	1702.5	1632.1	1572.8	1509.3	1448.7	1392.5	1340.1	1294.3	1246.2
17.5°	1819.1	1765.0	1711.3	1643.7	1566.1	1494.9	1426.3	1362.0	1302.8	1244.9	1198.5
20°	1823.5	1768.0	1711.7	1645.7	1566.1	1484.5	1415.9	1338.8	1275.2	1215.3	1158.5
22.5°	1822.1	1759.0	1698.0	1629.9	1552.2	1477.1	1394.2	1315.6	1246.5	1187.6	1128.3
25°	1808.1	1740.8	1664.2	1595.7	1519.1	1439.5	1355.5	1274.0	1203.6	1136.2	1077.6
27.5°	1796.5	1709.2	1622.5	1542.5	1468.6	1395.6	1315.2	1231.7	1153.7	1085.4	1030.2
30°	1782.2	1686.5	1588.9	1505.5	1429.6	1358.5	1282.6	1201.1	1119.6	1052.9	993.6
32.5°	1769.3	1657.8	1554.8	1464.0	1383.6	1314.5	1244.5	1167.0	1087.0	1019.3	960.0
35°	1744.5	1615.4	1497.5	1395.0	1309.2	1238.1	1179.5	1107.2	1033.7	968.3	911.5
37.5°	1713.0	1559.9	1433.3	1325.8	1231.7	1156.9	1102.2	1046.8	976.3	913.2	861.8
40°	1688.3	1520.4	1386.3	1276.4	1178.8	1101.1	1050.4	997.9	939.3	880.6	826.2
42.5°	1657.2	1484.8	1338.9	1220.6	1124.0	1048.2	995.1	950.5	898.7	844.1	793.6
45°	1600.0	1420.3	1262.2	1135.0	1037.4	962.7	907.8	874.4	835.5	783.6	741.0
47.5°	1515.9	1342.8	1179.3	1048.1	947.4	878.1	826.6	794.6	767.2	728.6	690.0
50°	1441.3	1285.1	1119.6	989.3	888.6	818.8	771.3	742.3	718.8	689.1	656.4
52.5°	1357.8	1212.4	1060.8	932.0	832.3	763.5	716.9	691.4	671.8	650.6	618.4
55°	1225.2	1101.7	960.8	838.6	746.6	679.3	638.5	616.3	600.2	584.2	564.4
57.5°	1079.0	982.5	857.8	746.0	661.2	600.0	562.0	540.3	527.8	519.6	507.9
60°	976.3	893.6	786.1	684.2	601.5	547.2	510.1	493.4	482.9	476.1	467.5
62.5°	881.0	813.0	713.5	620.5	548.1	496.7	463.7	447.4	437.4	434.1	427.0
65°	740.4	687.9	605.8	528.6	466.8	423.0	395.2	379.8	373.6	369.9	370.5
67.5°	602.0	570.0	504.0	438.2	388.9	352.1	329.9	318.1	315.0	310.0	309.9
70°	517.5	493.4	437.8	380.4	336.5	308.2	288.4	276.0	272.9	270.5	269.9
72.5°	442.9	421.8	373.6	327.6	288.1	263.2	246.9	239.5	234.4	232.9	232.8
75°	332.9	321.2	282.8	246.4	219.2	201.9	190.8	184.0	180.3	179.7	180.3
77.5°	236.6	226.4	202.1	176.3	159.1	146.0	136.6	134.3	130.1	130.2	129.5
80°	177.8	171.0	155.6	135.2	121.0	110.0	105.0	100.7	99.4	97.6	99.4
82.5°	129.0	121.7	111.1	98.2	86.4	79.8	74.9	73.5	72.7	71.9	72.2
85°	63.6	64.2	58.1	48.2	43.3	39.5	36.4	36.4	35.8	35.2	35.8
87.5°	23.4	22.1	20.0	18.3	15.5	13.9	13.1	13.5	12.1	11.9	12.6
90°	8.1	6.8	6.2	5.0	3.7	2.5	1.3	0.6	1.3	2.5	3.7
92.5°	141.3	84.6	50.8	32.7	22.0	14.3	9.2	7.5	9.2	14.3	22.0
95°	276.9	140.6	74.3	46.4	32.8	26.0	21.1	20.4	21.1	26.0	32.8
97.5°	221.0	121.1	77.3	57.2	45.0	38.2	34.7	33.9	34.7	38.2	45.0
100°	200.7	120.2	84.2	65.7	53.9	47.1	44.6	43.3	44.6	47.1	53.9
102.5°	192.3	124.6	92.7	74.5	63.8	56.5	54.5	53.8	54.5	56.5	63.8
105°	188.9	133.8	106.5	89.2	79.3	73.1	70.0	70.0	70.0	73.1	79.3
107.5°	194.6	147.4	121.0	105.4	95.1	90.1	87.1	85.9	87.1	90.1	95.1
110°	200.1	157.3	131.9	115.8	106.5	100.9	98.5	97.3	98.5	100.9	106.5



TEST NUMBER: P333315-927

CATALOG NUMBER: S125DIP-S1270D810U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	207.0	166.8	142.4	126.7	117.4	111.9	109.9	108.6	109.9	111.9	117.4
115°	217.4	181.5	158.6	143.1	133.8	128.3	126.4	125.1	126.4	128.3	133.8
117.5°	229.3	196.6	174.9	159.9	149.4	143.9	141.9	140.0	141.9	143.9	149.4
120°	237.3	207.5	185.8	170.3	159.8	154.2	151.8	149.9	151.8	154.2	159.8
122.5°	246.1	217.9	196.2	180.8	169.2	163.7	161.7	160.3	161.7	163.7	169.2
125°	258.3	231.6	211.2	195.1	183.3	177.8	174.7	173.4	174.7	177.8	183.3
127.5°	269.4	244.9	225.2	209.1	196.6	189.6	185.6	183.7	185.6	189.6	196.6
130°	276.9	253.3	234.2	218.0	205.0	196.9	192.0	190.1	192.0	196.9	205.0
132.5°	283.3	261.3	242.1	225.9	212.5	203.4	197.5	195.1	197.5	203.4	212.5
135°	292.4	272.0	252.7	236.0	223.0	213.1	205.7	203.2	205.7	213.1	223.0
137.5°	299.0	279.5	262.0	244.8	232.0	222.1	215.2	213.3	215.2	222.1	232.0
140°	303.5	284.9	267.0	250.3	238.4	228.5	221.1	219.3	221.1	228.5	238.4
142.5°	306.0	288.4	271.4	255.7	244.4	234.5	227.6	226.2	227.6	234.5	244.4
145°	309.7	294.2	278.1	263.9	252.7	244.1	237.8	236.6	237.8	244.1	252.7
147.5°	312.0	297.9	283.8	271.3	261.7	253.6	248.3	247.5	248.3	253.6	261.7
150°	313.4	300.4	286.8	276.2	267.6	259.5	255.2	254.0	255.2	259.5	267.6
152.5°	314.4	302.9	290.3	280.7	272.5	265.5	261.7	260.9	261.7	265.5	272.5
155°	315.3	305.4	294.9	286.1	280.0	273.8	270.1	270.1	270.1	273.8	280.0
157.5°	315.9	307.4	298.4	291.8	286.4	281.1	278.1	278.2	278.1	281.1	286.4
160°	315.9	308.5	300.4	294.9	289.9	285.6	283.0	283.7	283.0	285.6	289.9
162.5°	315.4	309.4	302.4	297.8	293.8	290.0	287.6	288.1	287.6	290.0	293.8
165°	314.7	309.7	304.8	301.0	298.6	295.5	293.6	294.9	293.6	295.5	298.6
167.5°	313.1	309.7	305.6	303.2	301.5	299.8	298.7	299.3	298.7	299.8	301.5
170°	312.2	309.7	306.6	304.8	303.5	302.3	301.7	302.3	301.7	302.3	303.5
172.5°	311.2	309.2	306.6	305.7	305.0	303.7	303.2	304.3	303.2	303.7	305.0
175°	309.7	308.5	306.6	306.6	306.6	306.0	305.4	306.6	305.4	306.0	306.6
177.5°	308.2	307.7	306.7	306.7	307.2	306.7	306.7	307.7	306.7	306.7	307.2
180°	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2



TEST NUMBER: P333315-927

CATALOG NUMBER: S125DIP-S1270D810U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9
2.5°	1429.7	1424.3	1419.8	1409.9	1404.5	1397.1	1391.2	1397.6	1390.7	1393.6	1389.2
5°	1385.1	1367.8	1355.5	1337.5	1322.2	1307.9	1297.4	1295.5	1290.6	1288.2	1280.7
7.5°	1331.5	1309.9	1288.6	1265.2	1245.4	1225.3	1212.4	1201.8	1194.8	1185.5	1179.2
10°	1299.9	1270.9	1246.2	1217.7	1193.0	1171.5	1154.1	1145.5	1137.5	1125.8	1121.4
12.5°	1260.8	1230.8	1200.7	1170.4	1146.6	1122.5	1107.7	1094.6	1089.1	1075.9	1074.5
15°	1214.0	1168.9	1139.3	1108.4	1075.7	1056.0	1043.6	1029.4	1023.3	1014.0	1007.2
17.5°	1158.2	1117.9	1080.9	1048.9	1020.9	1004.2	988.9	979.1	968.5	962.5	951.3
20°	1117.7	1079.4	1042.4	1008.4	986.8	967.7	955.3	946.0	934.9	931.8	920.8
22.5°	1083.6	1041.4	1005.8	977.3	953.7	932.1	918.8	912.4	904.8	895.3	893.0
25°	1028.2	984.4	954.1	925.7	904.7	884.9	875.7	867.6	860.2	853.4	851.0
27.5°	980.2	941.1	905.1	879.5	861.2	843.2	835.0	825.3	819.8	814.4	807.7
30°	946.7	906.5	875.0	850.3	830.6	814.5	805.9	799.1	794.2	789.2	785.5
32.5°	912.1	874.9	844.4	820.2	800.4	788.3	780.7	775.9	770.4	764.5	759.8
35°	866.4	825.6	796.0	775.0	759.5	750.3	741.6	737.3	731.2	731.2	726.2
37.5°	814.9	779.7	753.5	734.4	720.5	712.3	702.9	699.9	695.9	693.3	691.7
40°	784.3	751.5	726.8	707.7	692.8	686.0	678.7	673.8	671.2	668.1	666.9
42.5°	752.7	721.4	697.7	680.0	667.2	661.4	654.4	651.0	646.0	642.0	641.3
45°	704.6	674.3	652.8	638.5	627.4	620.6	616.3	608.9	606.4	601.5	600.9
47.5°	659.0	630.0	608.8	597.1	587.4	581.9	575.0	567.6	564.8	562.3	562.1
50°	625.0	598.4	578.6	567.5	558.3	550.2	543.4	538.4	536.6	536.6	537.9
52.5°	590.3	567.8	551.0	537.3	528.6	520.1	513.8	510.8	507.9	511.0	513.2
55°	539.7	516.9	504.5	491.5	482.9	473.0	469.9	468.7	466.8	471.8	474.3
57.5°	486.1	470.1	455.6	442.8	435.0	429.3	425.1	424.4	427.9	430.2	438.2
60°	452.0	433.5	420.6	410.7	401.4	397.7	396.5	395.2	397.7	404.5	414.9
62.5°	414.5	399.4	385.5	378.0	371.2	365.1	364.8	365.6	370.5	378.3	388.8
65°	359.4	346.4	337.2	328.5	323.0	319.2	320.5	323.0	328.5	339.1	350.8
67.5°	303.5	294.5	286.3	279.2	273.9	273.9	275.2	278.8	285.4	297.5	308.2
70°	267.4	257.5	250.7	247.6	243.3	240.8	244.5	250.7	256.3	267.4	276.6
72.5°	231.3	222.9	217.6	215.6	213.7	211.7	212.9	219.6	227.1	238.2	249.0
75°	177.8	174.8	171.0	168.6	166.8	167.9	169.2	175.4	181.6	193.3	205.7
77.5°	129.8	126.6	124.4	123.7	122.8	123.3	126.8	131.4	137.4	146.0	155.3
80°	98.2	97.0	95.7	95.1	95.1	95.7	100.7	103.8	109.3	117.3	124.8
82.5°	71.5	70.7	70.5	70.4	70.9	71.0	74.0	78.0	82.6	88.6	95.1
85°	37.7	36.4	38.3	38.9	37.7	39.5	40.7	43.3	45.1	48.2	51.3
87.5°	13.3	14.6	14.2	15.0	15.1	16.3	15.9	18.1	19.2	20.3	20.0
90°	5.0	6.2	6.8	8.1	8.6	9.9	10.5	11.2	11.8	12.4	13.6
92.5°	32.7	50.8	84.6	141.3	202.9	199.7	161.7	109.8	79.7	60.0	50.8
95°	46.4	74.3	140.6	276.9	447.8	548.8	537.0	445.4	351.2	275.0	223.0
97.5°	57.2	77.3	121.1	221.0	399.9	586.1	679.5	663.3	597.2	523.0	450.7
100°	65.7	84.2	120.2	200.7	356.8	559.4	714.2	761.8	731.5	667.7	603.3
102.5°	74.5	92.7	124.6	192.3	324.1	512.2	693.4	795.0	813.8	783.2	739.6
105°	89.2	106.5	133.8	188.9	292.4	449.1	626.9	775.5	860.4	887.6	880.8
107.5°	105.4	121.0	147.4	194.6	279.0	405.6	559.0	705.6	818.9	888.8	921.1
110°	115.8	131.9	157.3	200.1	275.0	385.2	520.3	654.1	771.7	859.1	911.7



TEST NUMBER: P333315-927

CATALOG NUMBER: S125DIP-S1270D810U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	126.7	142.4	166.8	207.0	275.0	373.4	491.5	613.5	725.2	813.5	875.6
115°	143.1	158.6	181.5	217.4	276.9	360.5	460.2	562.4	658.5	743.3	810.8
117.5°	159.9	174.9	196.6	229.3	281.0	354.2	441.5	529.5	612.2	685.3	747.3
120°	170.3	185.8	207.5	237.3	284.9	351.2	431.1	511.6	586.0	654.1	708.6
122.5°	180.8	196.2	217.9	246.1	288.4	348.7	422.2	498.3	567.1	627.8	678.9
125°	195.1	211.2	231.6	258.3	294.2	345.6	410.0	478.8	542.0	595.9	640.5
127.5°	209.1	225.2	244.9	269.4	300.8	344.1	398.9	459.0	517.9	568.2	610.0
130°	218.0	234.2	253.3	276.9	304.8	343.2	391.5	446.6	501.1	549.4	589.7
132.5°	225.9	242.1	261.3	283.3	309.2	343.2	385.6	434.2	485.2	529.1	567.8
135°	236.0	252.7	272.0	292.4	315.3	343.2	378.4	418.1	460.8	500.5	535.8
137.5°	244.8	262.0	279.5	299.0	320.8	343.9	372.2	404.5	439.0	472.0	501.9
140°	250.3	267.0	284.9	303.5	323.3	344.4	369.2	397.0	426.1	454.6	480.6
142.5°	255.7	271.4	288.4	306.0	324.8	344.9	366.7	390.6	415.3	439.7	462.3
145°	263.9	278.1	294.2	309.7	326.5	344.4	363.0	382.1	401.4	420.6	437.3
147.5°	271.3	283.8	297.9	312.0	327.0	342.8	359.1	374.2	389.8	404.6	417.2
150°	276.2	286.8	300.4	313.4	327.0	341.3	356.2	369.8	383.4	395.1	406.3
152.5°	280.7	290.3	302.9	314.4	326.5	339.3	352.7	364.8	377.0	387.8	396.4
155°	286.1	294.9	305.4	315.3	325.2	335.7	346.9	357.4	367.3	376.0	382.8
157.5°	291.8	298.4	307.4	315.9	323.6	332.0	341.4	350.0	358.1	364.8	370.2
160°	294.9	300.4	308.5	315.9	322.1	329.5	337.0	345.0	351.2	357.4	361.7
162.5°	297.8	302.4	309.4	315.4	320.6	326.5	333.0	339.5	345.2	350.5	354.3
165°	301.0	304.8	309.7	314.7	318.4	322.1	327.0	332.0	336.4	340.1	343.2
167.5°	303.2	305.6	309.7	313.1	314.9	317.7	321.2	324.8	327.6	330.5	332.7
170°	304.8	306.6	309.7	312.2	313.4	315.3	317.7	320.8	322.7	324.6	325.8
172.5°	305.7	306.6	309.2	311.2	311.4	312.3	314.3	316.4	318.2	319.6	320.4
175°	306.6	306.6	308.5	309.7	309.1	309.1	309.7	311.6	311.6	312.8	312.8
177.5°	306.7	306.7	307.7	308.2	307.2	307.2	307.7	308.2	308.7	308.7	308.7
180°	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2



TEST NUMBER: P333315-927

CATALOG NUMBER: S125DIP-S1270D810U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9
2.5°	1386.2	1389.6	1386.7	1390.7	1386.7	1389.6	1386.2	1389.2	1393.6	1390.7	1397.6
5°	1277.6	1272.1	1275.8	1273.4	1275.8	1272.1	1277.6	1280.7	1288.2	1290.6	1295.5
7.5°	1177.3	1172.0	1166.0	1163.2	1166.0	1172.0	1177.3	1179.2	1185.5	1194.8	1201.8
10°	1114.6	1107.9	1107.2	1102.9	1107.2	1107.9	1114.6	1121.4	1125.8	1137.5	1145.5
12.5°	1068.7	1062.4	1055.3	1053.5	1055.3	1062.4	1068.7	1074.5	1075.9	1089.1	1094.6
15°	1003.5	998.5	994.2	997.9	994.2	998.5	1003.5	1007.2	1014.0	1023.3	1029.4
17.5°	949.3	945.2	944.4	939.8	944.4	945.2	949.3	951.3	962.5	968.5	979.1
20°	915.2	912.1	913.3	905.3	913.3	912.1	915.2	920.8	931.8	934.9	946.0
22.5°	888.0	881.9	881.2	879.6	881.2	881.9	888.0	893.0	895.3	904.8	912.4
25°	845.4	842.3	839.2	842.3	839.2	842.3	845.4	851.0	853.4	860.2	867.6
27.5°	808.2	804.5	803.7	804.0	803.7	804.5	808.2	807.7	814.4	819.8	825.3
30°	785.5	779.3	779.9	779.3	779.9	779.3	785.5	785.5	789.2	794.2	799.1
32.5°	760.8	756.6	755.7	754.6	755.7	756.6	760.8	759.8	764.5	770.4	775.9
35°	724.4	724.4	721.3	721.3	721.3	724.4	724.4	726.2	731.2	731.2	737.3
37.5°	690.1	689.5	687.7	687.9	687.7	689.5	690.1	691.7	693.3	695.9	699.9
40°	664.5	663.8	661.9	658.3	661.9	663.8	664.5	666.9	668.1	671.2	673.8
42.5°	639.8	637.6	636.8	635.6	636.8	637.6	639.8	641.3	642.0	646.0	651.0
45°	600.9	600.9	599.6	599.0	599.6	600.9	600.9	600.9	601.5	606.4	608.9
47.5°	563.1	564.2	566.5	566.2	566.5	564.2	563.1	562.1	562.3	564.8	567.6
50°	540.3	541.0	542.8	543.4	542.8	541.0	540.3	537.9	536.6	536.6	538.4
52.5°	515.2	518.7	521.1	520.7	521.1	518.7	515.2	513.2	511.0	507.9	510.8
55°	479.8	484.1	488.5	489.1	488.5	484.1	479.8	474.3	471.8	466.8	468.7
57.5°	444.9	450.9	455.5	456.9	455.5	450.9	444.9	438.2	430.2	427.9	424.4
60°	421.1	429.2	434.7	437.2	434.7	429.2	421.1	414.9	404.5	397.7	395.2
62.5°	398.4	407.4	413.0	413.5	413.0	407.4	398.4	388.8	378.3	370.5	365.6
65°	361.2	370.5	375.4	379.1	375.4	370.5	361.2	350.8	339.1	328.5	323.0
67.5°	321.2	330.5	336.0	338.9	336.0	330.5	321.2	308.2	297.5	285.4	278.8
70°	292.1	301.3	308.8	311.2	308.8	301.3	292.1	276.6	267.4	256.3	250.7
72.5°	263.4	271.7	277.7	280.6	277.7	271.7	263.4	249.0	238.2	227.1	219.6
75°	213.7	224.7	230.4	233.5	230.4	224.7	213.7	205.7	193.3	181.6	175.4
77.5°	164.8	174.9	178.2	179.8	178.2	174.9	164.8	155.3	146.0	137.4	131.4
80°	132.1	138.3	142.7	143.2	142.7	138.3	132.1	124.8	117.3	109.3	103.8
82.5°	101.6	106.7	108.1	109.6	108.1	106.7	101.6	95.1	88.6	82.6	78.0
85°	55.6	58.1	58.7	58.1	58.7	58.1	55.6	51.3	48.2	45.1	43.3
87.5°	21.0	20.5	20.6	21.6	20.6	20.5	21.0	20.0	20.3	19.2	18.1
90°	13.6	13.6	14.3	14.3	14.3	13.6	13.6	13.6	12.4	11.8	11.2
92.5°	42.9	41.4	40.5	39.5	40.5	41.4	42.9	50.8	60.0	79.7	109.8
95°	179.0	160.4	155.5	145.5	155.5	160.4	179.0	223.0	275.0	351.2	445.4
97.5°	412.4	377.7	359.7	351.8	359.7	377.7	412.4	450.7	523.0	597.2	663.3
100°	560.5	515.9	493.1	483.2	493.1	515.9	560.5	603.3	667.7	731.5	761.8
102.5°	693.9	662.1	637.2	629.8	637.2	662.1	693.9	739.6	783.2	813.8	795.0
105°	860.9	840.5	828.1	820.7	828.1	840.5	860.9	880.8	887.6	860.4	775.5
107.5°	931.2	931.1	927.0	922.0	927.0	931.1	931.2	921.1	888.8	818.9	705.6
110°	939.6	951.4	955.8	955.8	955.8	951.4	939.6	911.7	859.1	771.7	654.1



TEST NUMBER: P333315-927

CATALOG NUMBER: S125DIP-S1270D810U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	916.3	936.5	947.3	951.8	947.3	936.5	916.3	875.6	813.5	725.2	613.5
115°	859.1	888.8	906.2	914.3	906.2	888.8	859.1	810.8	743.3	658.5	562.4
117.5°	795.6	826.2	843.5	848.4	843.5	826.2	795.6	747.3	685.3	612.2	529.5
120°	754.4	784.2	800.9	805.8	800.9	784.2	754.4	708.6	654.1	586.0	511.6
122.5°	719.8	747.0	763.7	768.2	763.7	747.0	719.8	678.9	627.8	567.1	498.3
125°	675.2	700.5	714.2	720.3	714.2	700.5	675.2	640.5	595.9	542.0	478.8
127.5°	641.4	663.8	676.8	679.5	676.8	663.8	641.4	610.0	568.2	517.9	459.0
130°	620.7	641.1	653.5	657.2	653.5	641.1	620.7	589.7	549.4	501.1	446.6
132.5°	598.8	619.2	630.7	634.9	630.7	619.2	598.8	567.8	529.1	485.2	434.2
135°	563.0	583.4	594.6	598.3	594.6	583.4	563.0	535.8	500.5	460.8	418.1
137.5°	526.4	544.9	555.2	559.4	555.2	544.9	526.4	501.9	472.0	439.0	404.5
140°	503.6	519.7	528.9	532.0	528.9	519.7	503.6	480.6	454.6	426.1	397.0
142.5°	481.8	495.4	504.2	506.8	504.2	495.4	481.8	462.3	439.7	415.3	390.6
145°	452.2	462.7	469.5	472.0	469.5	462.7	452.2	437.3	420.6	401.4	382.1
147.5°	429.0	437.4	441.4	442.5	441.4	437.4	429.0	417.2	404.6	389.8	374.2
150°	415.7	423.0	425.6	426.1	425.6	423.0	415.7	406.3	395.1	383.4	369.8
152.5°	404.3	410.2	412.6	413.3	412.6	410.2	404.3	396.4	387.8	377.0	364.8
155°	389.0	393.3	395.1	395.8	395.1	393.3	389.0	382.8	376.0	367.3	357.4
157.5°	375.0	378.6	380.3	380.2	380.3	378.6	375.0	370.2	364.8	358.1	350.0
160°	366.1	369.2	370.4	369.8	370.4	369.2	366.1	361.7	357.4	351.2	345.0
162.5°	357.7	360.2	360.5	360.4	360.5	360.2	357.7	354.3	350.5	345.2	339.5
165°	345.6	346.9	346.9	346.9	346.9	346.9	345.6	343.2	340.1	336.4	332.0
167.5°	334.0	335.1	334.6	334.5	334.6	335.1	334.0	332.7	330.5	327.6	324.8
170°	327.0	327.6	327.6	327.0	327.6	327.6	327.0	325.8	324.6	322.7	320.8
172.5°	320.6	321.7	320.8	320.1	320.8	321.7	320.6	320.4	319.6	318.2	316.4
175°	312.8	313.4	312.2	311.6	312.2	313.4	312.8	312.8	312.8	311.6	311.6
177.5°	308.2	308.7	307.2	307.2	307.2	308.7	308.2	308.7	308.7	308.7	308.2
180°	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2



TEST NUMBER: P333315-927

CATALOG NUMBER: S125DIP-S1270D810U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9
2.5°	1391.2	1397.1	1404.5	1409.9	1419.8	1424.3	1429.7	1434.2	1442.0	1449.5	1458.3
5°	1297.4	1307.9	1322.2	1337.5	1355.5	1367.8	1385.1	1395.6	1416.6	1435.8	1454.3
7.5°	1212.4	1225.3	1245.4	1265.2	1288.6	1309.9	1331.5	1355.5	1382.3	1413.9	1440.0
10°	1154.1	1171.5	1193.0	1217.7	1246.2	1270.9	1299.9	1325.8	1358.5	1395.6	1430.2
12.5°	1107.7	1122.5	1146.6	1170.4	1200.7	1230.8	1260.8	1295.2	1333.3	1374.4	1417.8
15°	1043.6	1056.0	1075.7	1108.4	1139.3	1168.9	1214.0	1246.2	1294.3	1340.1	1392.5
17.5°	988.9	1004.2	1020.9	1048.9	1080.9	1117.9	1158.2	1198.5	1244.9	1302.8	1362.0
20°	955.3	967.7	986.8	1008.4	1042.4	1079.4	1117.7	1158.5	1215.3	1275.2	1338.8
22.5°	918.8	932.1	953.7	977.3	1005.8	1041.4	1083.6	1128.3	1187.6	1246.5	1315.6
25°	875.7	884.9	904.7	925.7	954.1	984.4	1028.2	1077.6	1136.2	1203.6	1274.0
27.5°	835.0	843.2	861.2	879.5	905.1	941.1	980.2	1030.2	1085.4	1153.7	1231.7
30°	805.9	814.5	830.6	850.3	875.0	906.5	946.7	993.6	1052.9	1119.6	1201.1
32.5°	780.7	788.3	800.4	820.2	844.4	874.9	912.1	960.0	1019.3	1087.0	1167.0
35°	741.6	750.3	759.5	775.0	796.0	825.6	866.4	911.5	968.3	1033.7	1107.2
37.5°	702.9	712.3	720.5	734.4	753.5	779.7	814.9	861.8	913.2	976.3	1046.8
40°	678.7	686.0	692.8	707.7	726.8	751.5	784.3	826.2	880.6	939.3	997.9
42.5°	654.4	661.4	667.2	680.0	697.7	721.4	752.7	793.6	844.1	898.7	950.5
45°	616.3	620.6	627.4	638.5	652.8	674.3	704.6	741.0	783.6	835.5	874.4
47.5°	575.0	581.9	587.4	597.1	608.8	630.0	659.0	690.0	728.6	767.2	794.6
50°	543.4	550.2	558.3	567.5	578.6	598.4	625.0	656.4	689.1	718.8	742.3
52.5°	513.8	520.1	528.6	537.3	551.0	567.8	590.3	618.4	650.6	671.8	691.4
55°	469.9	473.0	482.9	491.5	504.5	516.9	539.7	564.4	584.2	600.2	616.3
57.5°	425.1	429.3	435.0	442.8	455.6	470.1	486.1	507.9	519.6	527.8	540.3
60°	396.5	397.7	401.4	410.7	420.6	433.5	452.0	467.5	476.1	482.9	493.4
62.5°	364.8	365.1	371.2	378.0	385.5	399.4	414.5	427.0	434.1	437.4	447.4
65°	320.5	319.2	323.0	328.5	337.2	346.4	359.4	370.5	369.9	373.6	379.8
67.5°	275.2	273.9	273.9	279.2	286.3	294.5	303.5	309.9	310.0	315.0	318.1
70°	244.5	240.8	243.3	247.6	250.7	257.5	267.4	269.9	270.5	272.9	276.0
72.5°	212.9	211.7	213.7	215.6	217.6	222.9	231.3	232.8	232.9	234.4	239.5
75°	169.2	167.9	166.8	168.6	171.0	174.8	177.8	180.3	179.7	180.3	184.0
77.5°	126.8	123.3	122.8	123.7	124.4	126.6	129.8	129.5	130.2	130.1	134.3
80°	100.7	95.7	95.1	95.1	95.7	97.0	98.2	99.4	97.6	99.4	100.7
82.5°	74.0	71.0	70.9	70.4	70.5	70.7	71.5	72.2	71.9	72.7	73.5
85°	40.7	39.5	37.7	38.9	38.3	36.4	37.7	35.8	35.2	35.8	36.4
87.5°	15.9	16.3	15.1	15.0	14.2	14.6	13.3	12.6	11.9	12.1	13.5
90°	10.5	9.9	8.6	8.1	6.8	6.2	5.0	3.7	2.5	1.3	0.6
92.5°	161.7	199.7	202.9	141.3	84.6	50.8	32.7	22.0	14.3	9.2	7.5
95°	537.0	548.8	447.8	276.9	140.6	74.3	46.4	32.8	26.0	21.1	20.4
97.5°	679.5	586.1	399.9	221.0	121.1	77.3	57.2	45.0	38.2	34.7	33.9
100°	714.2	559.4	356.8	200.7	120.2	84.2	65.7	53.9	47.1	44.6	43.3
102.5°	693.4	512.2	324.1	192.3	124.6	92.7	74.5	63.8	56.5	54.5	53.8
105°	626.9	449.1	292.4	188.9	133.8	106.5	89.2	79.3	73.1	70.0	70.0
107.5°	559.0	405.6	279.0	194.6	147.4	121.0	105.4	95.1	90.1	87.1	85.9
110°	520.3	385.2	275.0	200.1	157.3	131.9	115.8	106.5	100.9	98.5	97.3



TEST NUMBER: P333315-927

CATALOG NUMBER: S125DIP-S1270D810U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	491.5	373.4	275.0	207.0	166.8	142.4	126.7	117.4	111.9	109.9	108.6
115°	460.2	360.5	276.9	217.4	181.5	158.6	143.1	133.8	128.3	126.4	125.1
117.5°	441.5	354.2	281.0	229.3	196.6	174.9	159.9	149.4	143.9	141.9	140.0
120°	431.1	351.2	284.9	237.3	207.5	185.8	170.3	159.8	154.2	151.8	149.9
122.5°	422.2	348.7	288.4	246.1	217.9	196.2	180.8	169.2	163.7	161.7	160.3
125°	410.0	345.6	294.2	258.3	231.6	211.2	195.1	183.3	177.8	174.7	173.4
127.5°	398.9	344.1	300.8	269.4	244.9	225.2	209.1	196.6	189.6	185.6	183.7
130°	391.5	343.2	304.8	276.9	253.3	234.2	218.0	205.0	196.9	192.0	190.1
132.5°	385.6	343.2	309.2	283.3	261.3	242.1	225.9	212.5	203.4	197.5	195.1
135°	378.4	343.2	315.3	292.4	272.0	252.7	236.0	223.0	213.1	205.7	203.2
137.5°	372.2	343.9	320.8	299.0	279.5	262.0	244.8	232.0	222.1	215.2	213.3
140°	369.2	344.4	323.3	303.5	284.9	267.0	250.3	238.4	228.5	221.1	219.3
142.5°	366.7	344.9	324.8	306.0	288.4	271.4	255.7	244.4	234.5	227.6	226.2
145°	363.0	344.4	326.5	309.7	294.2	278.1	263.9	252.7	244.1	237.8	236.6
147.5°	359.1	342.8	327.0	312.0	297.9	283.8	271.3	261.7	253.6	248.3	247.5
150°	356.2	341.3	327.0	313.4	300.4	286.8	276.2	267.6	259.5	255.2	254.0
152.5°	352.7	339.3	326.5	314.4	302.9	290.3	280.7	272.5	265.5	261.7	260.9
155°	346.9	335.7	325.2	315.3	305.4	294.9	286.1	280.0	273.8	270.1	270.1
157.5°	341.4	332.0	323.6	315.9	307.4	298.4	291.8	286.4	281.1	278.1	278.2
160°	337.0	329.5	322.1	315.9	308.5	300.4	294.9	289.9	285.6	283.0	283.7
162.5°	333.0	326.5	320.6	315.4	309.4	302.4	297.8	293.8	290.0	287.6	288.1
165°	327.0	322.1	318.4	314.7	309.7	304.8	301.0	298.6	295.5	293.6	294.9
167.5°	321.2	317.7	314.9	313.1	309.7	305.6	303.2	301.5	299.8	298.7	299.3
170°	317.7	315.3	313.4	312.2	309.7	306.6	304.8	303.5	302.3	301.7	302.3
172.5°	314.3	312.3	311.4	311.2	309.2	306.6	305.7	305.0	303.7	303.2	304.3
175°	309.7	309.1	309.1	309.7	308.5	306.6	306.6	306.6	306.0	305.4	306.6
177.5°	307.7	307.2	307.2	308.2	307.7	306.7	306.7	307.2	306.7	306.7	307.7
180°	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2



TEST NUMBER: P333315-927

CATALOG NUMBER: S125DIP-S1270D810U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9
2.5°	1462.8	1469.7	1474.2	1482.6	1489.5	1493.4	1496.9	1499.8	1503.3	1506.3	1514.7
5°	1472.2	1488.2	1501.8	1522.8	1542.0	1556.8	1572.8	1587.1	1598.8	1615.4	1628.4
7.5°	1468.1	1496.6	1526.5	1559.0	1592.2	1623.1	1651.5	1678.1	1702.2	1731.3	1756.8
10°	1464.1	1503.1	1541.3	1585.2	1630.2	1668.6	1704.4	1740.8	1767.4	1804.4	1835.9
12.5°	1461.2	1507.0	1553.2	1605.9	1655.4	1709.5	1757.2	1783.8	1824.2	1853.8	1891.3
15°	1448.7	1509.3	1572.8	1632.1	1702.5	1752.5	1794.5	1846.4	1884.0	1921.8	1962.5
17.5°	1426.3	1494.9	1566.1	1643.7	1711.3	1765.0	1819.1	1869.2	1914.1	1964.6	2015.3
20°	1415.9	1484.5	1566.1	1645.7	1711.7	1768.0	1823.5	1878.5	1927.9	1992.7	2051.4
22.5°	1394.2	1477.1	1552.2	1629.9	1698.0	1759.0	1822.1	1884.4	1950.1	2023.4	2096.8
25°	1355.5	1439.5	1519.1	1595.7	1664.2	1740.8	1808.1	1891.5	1975.5	2072.4	2163.8
27.5°	1315.2	1395.6	1468.6	1542.5	1622.5	1709.2	1796.5	1891.1	2001.1	2123.4	2252.3
30°	1282.6	1358.5	1429.6	1505.5	1588.9	1686.5	1782.2	1894.6	2021.8	2159.5	2312.6
32.5°	1244.5	1314.5	1383.6	1464.0	1554.8	1657.8	1769.3	1892.6	2045.5	2201.9	2359.6
35°	1179.5	1238.1	1309.2	1395.0	1497.5	1615.4	1744.5	1890.2	2065.6	2245.3	2378.1
37.5°	1102.2	1156.9	1231.7	1325.8	1433.3	1559.9	1713.0	1885.9	2072.2	2215.4	2258.3
40°	1050.4	1101.1	1178.8	1276.4	1386.3	1520.4	1688.3	1871.1	2051.4	2142.8	2107.6
42.5°	995.1	1048.2	1124.0	1220.6	1338.9	1484.8	1657.2	1840.0	1991.2	2025.7	1904.1
45°	907.8	962.7	1037.4	1135.0	1262.2	1420.3	1600.0	1766.1	1853.2	1790.8	1602.5
47.5°	826.6	878.1	947.4	1048.1	1179.3	1342.8	1515.9	1648.5	1655.3	1506.5	1305.4
50°	771.3	818.8	888.6	989.3	1119.6	1285.1	1441.3	1545.6	1498.7	1330.2	1136.9
52.5°	716.9	763.5	832.3	932.0	1060.8	1212.4	1357.8	1431.1	1342.6	1169.6	1004.5
55°	638.5	679.3	746.6	838.6	960.8	1101.7	1225.2	1250.5	1135.6	965.2	831.2
57.5°	562.0	600.0	661.2	746.0	857.8	982.5	1079.0	1073.6	952.2	806.0	699.7
60°	510.1	547.2	601.5	684.2	786.1	893.6	976.3	956.6	836.1	710.2	620.6
62.5°	463.7	496.7	548.1	620.5	713.5	813.0	881.0	851.8	733.9	623.7	552.9
65°	395.2	423.0	466.8	528.6	605.8	687.9	740.4	702.7	602.1	516.3	459.5
67.5°	329.9	352.1	388.9	438.2	504.0	570.0	602.0	564.0	483.5	420.9	378.8
70°	288.4	308.2	336.5	380.4	437.8	493.4	517.5	483.5	414.4	360.6	330.3
72.5°	246.9	263.2	288.1	327.6	373.6	421.8	442.9	410.4	353.6	308.2	280.0
75°	190.8	201.9	219.2	246.4	282.8	321.2	332.9	304.4	268.0	234.0	215.6
77.5°	136.6	146.0	159.1	176.3	202.1	226.4	236.6	220.2	192.0	170.6	155.3
80°	105.0	110.0	121.0	135.2	155.6	171.0	177.8	167.4	147.6	131.5	119.8
82.5°	74.9	79.8	86.4	98.2	111.1	121.7	129.0	121.9	107.6	95.0	88.2
85°	36.4	39.5	43.3	48.2	58.1	64.2	63.6	59.3	53.7	48.8	45.1
87.5°	13.1	13.9	15.5	18.3	20.0	22.1	23.4	22.5	20.8	19.4	18.1
90°	1.3	2.5	3.7	5.0	6.2	6.8	8.1	8.6	9.9	10.5	11.2
92.5°	9.2	14.3	22.0	32.7	50.8	84.6	141.3	202.9	199.7	161.7	109.8
95°	21.1	26.0	32.8	46.4	74.3	140.6	276.9	447.8	548.8	537.0	445.4
97.5°	34.7	38.2	45.0	57.2	77.3	121.1	221.0	399.9	586.1	679.5	663.3
100°	44.6	47.1	53.9	65.7	84.2	120.2	200.7	356.8	559.4	714.2	761.8
102.5°	54.5	56.5	63.8	74.5	92.7	124.6	192.3	324.1	512.2	693.4	795.0
105°	70.0	73.1	79.3	89.2	106.5	133.8	188.9	292.4	449.1	626.9	775.5
107.5°	87.1	90.1	95.1	105.4	121.0	147.4	194.6	279.0	405.6	559.0	705.6
110°	98.5	100.9	106.5	115.8	131.9	157.3	200.1	275.0	385.2	520.3	654.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	109.9	111.9	117.4	126.7	142.4	166.8	207.0	275.0	373.4	491.5	613.5
115°	126.4	128.3	133.8	143.1	158.6	181.5	217.4	276.9	360.5	460.2	562.4
117.5°	141.9	143.9	149.4	159.9	174.9	196.6	229.3	281.0	354.2	441.5	529.5
120°	151.8	154.2	159.8	170.3	185.8	207.5	237.3	284.9	351.2	431.1	511.6
122.5°	161.7	163.7	169.2	180.8	196.2	217.9	246.1	288.4	348.7	422.2	498.3
125°	174.7	177.8	183.3	195.1	211.2	231.6	258.3	294.2	345.6	410.0	478.8
127.5°	185.6	189.6	196.6	209.1	225.2	244.9	269.4	300.8	344.1	398.9	459.0
130°	192.0	196.9	205.0	218.0	234.2	253.3	276.9	304.8	343.2	391.5	446.6
132.5°	197.5	203.4	212.5	225.9	242.1	261.3	283.3	309.2	343.2	385.6	434.2
135°	205.7	213.1	223.0	236.0	252.7	272.0	292.4	315.3	343.2	378.4	418.1
137.5°	215.2	222.1	232.0	244.8	262.0	279.5	299.0	320.8	343.9	372.2	404.5
140°	221.1	228.5	238.4	250.3	267.0	284.9	303.5	323.3	344.4	369.2	397.0
142.5°	227.6	234.5	244.4	255.7	271.4	288.4	306.0	324.8	344.9	366.7	390.6
145°	237.8	244.1	252.7	263.9	278.1	294.2	309.7	326.5	344.4	363.0	382.1
147.5°	248.3	253.6	261.7	271.3	283.8	297.9	312.0	327.0	342.8	359.1	374.2
150°	255.2	259.5	267.6	276.2	286.8	300.4	313.4	327.0	341.3	356.2	369.8
152.5°	261.7	265.5	272.5	280.7	290.3	302.9	314.4	326.5	339.3	352.7	364.8
155°	270.1	273.8	280.0	286.1	294.9	305.4	315.3	325.2	335.7	346.9	357.4
157.5°	278.1	281.1	286.4	291.8	298.4	307.4	315.9	323.6	332.0	341.4	350.0
160°	283.0	285.6	289.9	294.9	300.4	308.5	315.9	322.1	329.5	337.0	345.0
162.5°	287.6	290.0	293.8	297.8	302.4	309.4	315.4	320.6	326.5	333.0	339.5
165°	293.6	295.5	298.6	301.0	304.8	309.7	314.7	318.4	322.1	327.0	332.0
167.5°	298.7	299.8	301.5	303.2	305.6	309.7	313.1	314.9	317.7	321.2	324.8
170°	301.7	302.3	303.5	304.8	306.6	309.7	312.2	313.4	315.3	317.7	320.8
172.5°	303.2	303.7	305.0	305.7	306.6	309.2	311.2	311.4	312.3	314.3	316.4
175°	305.4	306.0	306.6	306.6	306.6	308.5	309.7	309.1	309.1	309.7	311.6
177.5°	306.7	306.7	307.2	306.7	306.7	307.7	308.2	307.2	307.2	307.7	308.2
180°	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9
2.5°	1521.5	1525.5	1533.9	1531.0	1534.9	1536.9	1538.9
5°	1644.5	1664.2	1672.9	1671.7	1684.6	1681.5	1678.4
7.5°	1783.3	1804.0	1815.7	1830.1	1838.5	1839.1	1846.4
10°	1861.9	1889.0	1900.1	1915.6	1925.5	1931.0	1930.4
12.5°	1922.1	1943.4	1968.3	1975.9	1989.2	1996.2	1993.6
15°	1994.6	2028.5	2054.5	2067.4	2084.2	2089.1	2095.9
17.5°	2059.4	2104.9	2135.2	2175.4	2190.6	2199.9	2194.4
20°	2108.2	2168.1	2198.4	2246.5	2273.1	2287.3	2282.4
22.5°	2166.1	2230.9	2286.8	2328.5	2368.9	2388.1	2392.1
25°	2265.1	2354.0	2436.1	2491.1	2541.1	2552.8	2578.8
27.5°	2375.8	2480.6	2568.4	2626.2	2661.0	2674.1	2682.3
30°	2445.4	2549.7	2615.9	2652.9	2664.0	2662.8	2661.5
32.5°	2479.5	2544.8	2557.6	2547.2	2521.8	2500.2	2477.8
35°	2431.2	2382.4	2309.5	2215.7	2146.5	2076.7	2070.0
37.5°	2186.5	2030.5	1909.2	1773.8	1695.6	1647.3	1614.0
40°	1956.3	1779.1	1632.1	1517.9	1438.2	1406.8	1375.9
42.5°	1706.4	1537.0	1406.8	1311.4	1251.5	1216.6	1192.1
45°	1386.3	1236.9	1135.0	1065.9	1018.3	991.1	975.7
47.5°	1136.0	1025.5	938.9	889.0	856.1	835.0	835.1
50°	1001.6	896.0	838.6	799.1	770.6	754.0	757.1
52.5°	882.6	803.7	754.6	721.5	700.5	690.2	689.9
55°	737.9	681.1	649.0	625.0	610.7	599.0	601.5
57.5°	631.2	583.3	561.8	541.9	532.0	527.3	520.5
60°	565.1	528.0	509.5	493.4	483.5	479.8	473.0
62.5°	506.3	477.1	459.1	446.0	437.0	435.9	430.6
65°	425.5	403.2	387.2	381.0	371.8	369.3	369.3
67.5°	350.8	334.9	322.3	316.6	312.6	313.2	310.2
70°	303.8	290.9	282.8	276.6	273.5	274.2	271.7
72.5°	265.8	251.4	244.3	240.6	236.5	238.1	237.1
75°	201.3	193.9	190.2	186.5	184.0	182.8	181.6
77.5°	147.8	141.3	138.5	136.3	136.7	133.7	136.1
80°	114.2	108.7	106.9	103.8	103.1	103.1	102.5
82.5°	83.6	80.5	79.1	76.6	75.5	76.4	74.9
85°	43.3	40.7	40.2	40.2	38.9	37.7	40.7
87.5°	18.1	16.3	16.6	16.1	16.1	15.7	14.7
90°	11.8	12.4	13.6	13.6	13.6	14.3	14.3
92.5°	79.7	60.0	50.8	42.9	41.4	40.5	39.5
95°	351.2	275.0	223.0	179.0	160.4	155.5	145.5
97.5°	597.2	523.0	450.7	412.4	377.7	359.7	351.8
100°	731.5	667.7	603.3	560.5	515.9	493.1	483.2
102.5°	813.8	783.2	739.6	693.9	662.1	637.2	629.8
105°	860.4	887.6	880.8	860.9	840.5	828.1	820.7
107.5°	818.9	888.8	921.1	931.2	931.1	927.0	922.0
110°	771.7	859.1	911.7	939.6	951.4	955.8	955.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	725.2	813.5	875.6	916.3	936.5	947.3	951.8
115°	658.5	743.3	810.8	859.1	888.8	906.2	914.3
117.5°	612.2	685.3	747.3	795.6	826.2	843.5	848.4
120°	586.0	654.1	708.6	754.4	784.2	800.9	805.8
122.5°	567.1	627.8	678.9	719.8	747.0	763.7	768.2
125°	542.0	595.9	640.5	675.2	700.5	714.2	720.3
127.5°	517.9	568.2	610.0	641.4	663.8	676.8	679.5
130°	501.1	549.4	589.7	620.7	641.1	653.5	657.2
132.5°	485.2	529.1	567.8	598.8	619.2	630.7	634.9
135°	460.8	500.5	535.8	563.0	583.4	594.6	598.3
137.5°	439.0	472.0	501.9	526.4	544.9	555.2	559.4
140°	426.1	454.6	480.6	503.6	519.7	528.9	532.0
142.5°	415.3	439.7	462.3	481.8	495.4	504.2	506.8
145°	401.4	420.6	437.3	452.2	462.7	469.5	472.0
147.5°	389.8	404.6	417.2	429.0	437.4	441.4	442.5
150°	383.4	395.1	406.3	415.7	423.0	425.6	426.1
152.5°	377.0	387.8	396.4	404.3	410.2	412.6	413.3
155°	367.3	376.0	382.8	389.0	393.3	395.1	395.8
157.5°	358.1	364.8	370.2	375.0	378.6	380.3	380.2
160°	351.2	357.4	361.7	366.1	369.2	370.4	369.8
162.5°	345.2	350.5	354.3	357.7	360.2	360.5	360.4
165°	336.4	340.1	343.2	345.6	346.9	346.9	346.9
167.5°	327.6	330.5	332.7	334.0	335.1	334.6	334.5
170°	322.7	324.6	325.8	327.0	327.6	327.6	327.0
172.5°	318.2	319.6	320.4	320.6	321.7	320.8	320.1
175°	311.6	312.8	312.8	312.8	313.4	312.2	311.6
177.5°	308.7	308.7	308.7	308.2	308.7	307.2	307.2
180°	307.2	307.2	307.2	307.2	307.2	307.2	307.2

(END OF REPORT)