

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: P331719-940

Luminaire Tested: **SA2XXRDIP-C865D725U940-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331719-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-C865D725U940-4F0-1E-UDD-A4
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 725 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

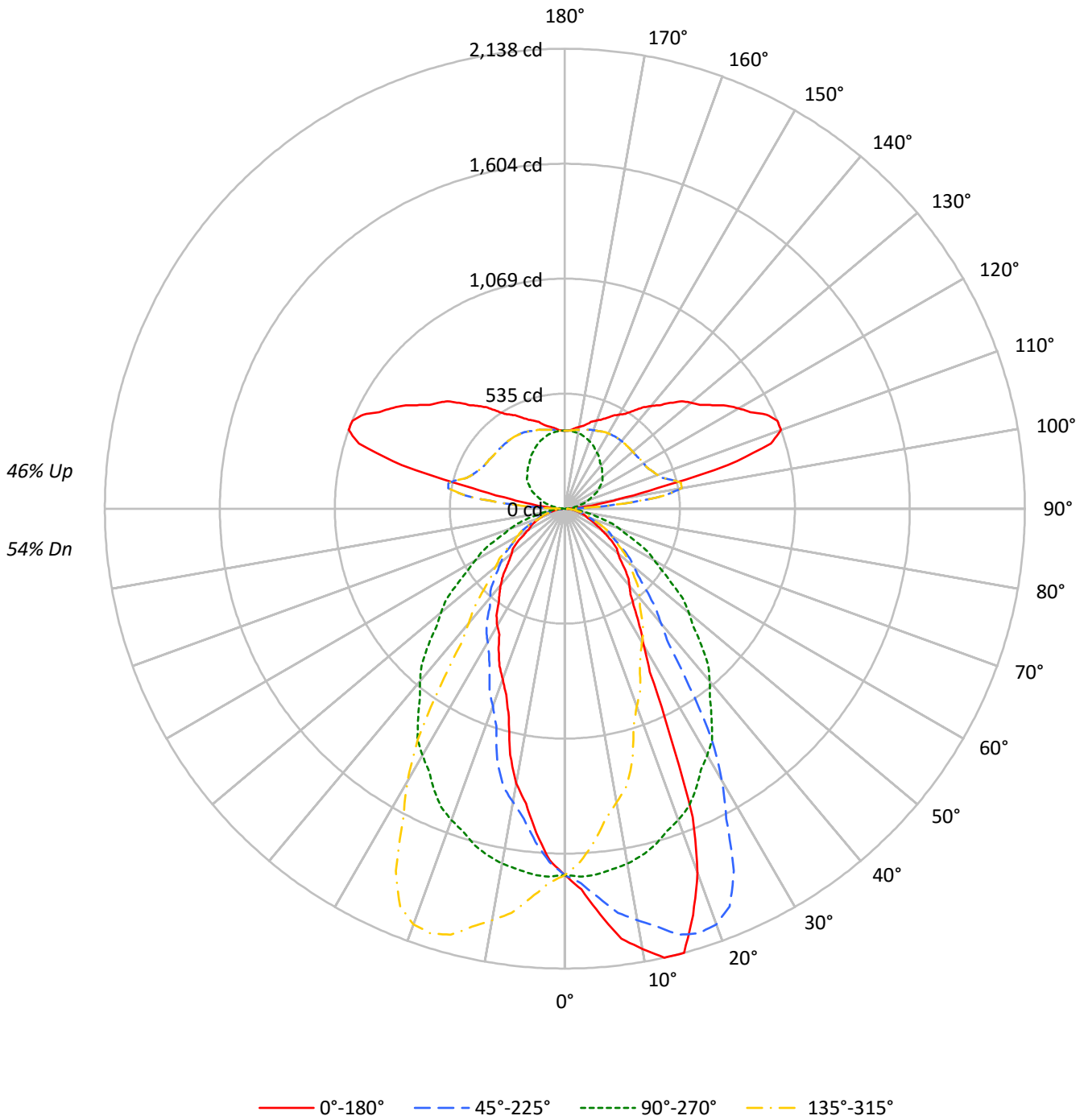
Lumens per Lamp: N/A
Luminaire Lumens: 5468.4 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 54.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	108	108	108	108	100	100	100	100	85	85	85	72	72	72	60	60	60	54	54	54	54	
1	99	95	92	89	92	89	86	83	76	74	72	65	63	62	54	53	52	47	47	47	47	
2	91	84	79	74	85	79	74	69	68	64	61	58	55	53	49	47	45	41	41	41	41	
3	84	75	68	63	78	70	64	59	61	56	52	52	49	46	44	42	40	36	36	36	36	
4	77	67	60	54	72	63	56	51	55	49	45	47	43	40	40	37	35	31	31	31	31	
5	71	60	53	47	66	57	50	45	49	44	40	43	39	35	36	33	31	28	28	28	28	
6	66	55	47	41	61	51	44	39	45	39	35	39	35	32	33	30	28	25	25	25	25	
7	61	50	42	37	57	47	40	35	41	36	32	36	32	28	31	28	25	23	23	23	23	
8	57	45	38	33	53	43	36	31	38	32	29	33	29	26	29	25	23	21	21	21	21	
9	53	42	34	30	50	39	33	28	35	30	26	31	26	23	27	23	21	19	19	19	19	
10	50	38	32	27	47	36	30	26	32	27	24	29	24	21	25	22	19	17	17	17	17	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	27493	27493	27493	27493
5°	30705	27665	24530	27665
10°	34067	27471	21263	27471
15°	35741	27067	16754	27067
20°	30986	26472	14496	26472
25°	20322	25655	12944	25655
30°	13679	24664	11714	24664
35°	11077	23416	10565	23416
40°	9851	22059	9778	22059
45°	8917	20466	8727	20466
50°	8116	18889	8083	18889
55°	7628	17140	7527	17140
60°	6381	15532	6307	15532
65°	5379	14105	6101	14105
70°	4971	12595	5755	12595
75°	4648	10967	5315	10967
80°	4296	9019	4733	9019
85°	3946	7114	4168	7114



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.4	3.0
10°-20°	449.8	8.2
20°-30°	579.6	10.6
30°-40°	550.8	10.1
40°-50°	471.8	8.6
50°-60°	359.3	6.6
60°-70°	227.1	4.2
70°-80°	113.4	2.1
80°-90°	32.8	0.6
90°-100°	144.9	2.7
100°-110°	491.8	9.0
110°-120°	522.5	9.6
120°-130°	430.1	7.9
130°-140°	345.4	6.3
140°-150°	261.0	4.8
150°-160°	183.4	3.4
160°-170°	108.0	2.0
170°-180°	35.1	0.6
0°-30°	1190.8	21.8
0°-40°	1741.6	31.8
0°-60°	2572.7	47.0
0°-90°	2946.1	53.9
90°-120°	1159.2	21.2
90°-150°	2195.7	40.2
90°-180°	2522.0	46.1
0°-180°	5468.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1703	1703	1703	1703	1703	
5°	1894	1707	1514	1707	1894	187
15°	2138	1619	1002	1619	2138	577
25°	1141	1440	727	1440	1141	541
35°	562	1188	536	1188	562	360
45°	390	896	382	896	390	302
55°	271	609	267	609	271	238
65°	141	369	160	369	141	143
75°	74	176	85	176	74	79
85°	21	38	22	38	21	23
90°	23	1	23	1	23	13
95°	80	24	80	24	80	103
105°	786	85	786	85	786	760
115°	1034	150	1034	150	1034	1012
125°	839	209	839	209	839	758
135°	695	245	695	245	695	540
145°	555	280	555	280	555	352
155°	466	318	466	318	466	218
165°	409	347	409	347	409	117
175°	369	362	369	362	369	36
180°	362	362	362	362	362	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8
2.5°	1771.9	1773.3	1774.8	1771.4	1771.4	1768.6	1762.5	1757.7	1744.5	1742.6	1742.6
5°	1894.5	1893.3	1895.7	1888.0	1877.3	1875.0	1863.8	1849.0	1833.5	1816.4	1812.8
7.5°	2016.3	2014.6	2009.8	2008.6	2000.4	1982.5	1964.4	1945.2	1919.6	1894.6	1882.0
10°	2077.9	2097.4	2085.6	2064.8	2069.0	2041.2	2026.4	2001.0	1979.7	1942.4	1934.1
12.5°	2138.5	2146.2	2142.4	2130.7	2125.4	2106.0	2086.1	2064.0	2024.6	1991.2	1962.0
15°	2138.2	2149.5	2152.4	2148.9	2151.9	2150.7	2140.0	2121.6	2087.4	2050.7	2018.7
17.5°	1980.4	1988.2	2007.6	2020.7	2037.3	2072.3	2089.6	2096.3	2091.2	2070.3	2047.8
20°	1803.4	1790.4	1844.8	1872.6	1896.2	1955.4	2006.3	2025.9	2057.2	2056.6	2050.7
22.5°	1552.5	1555.6	1607.2	1640.2	1709.3	1768.4	1826.5	1900.0	1960.6	2000.7	2024.2
25°	1140.7	1163.2	1214.7	1259.6	1336.6	1446.6	1546.6	1662.6	1772.0	1858.4	1940.6
27.5°	856.8	858.4	899.2	940.8	986.4	1076.6	1202.5	1341.0	1497.0	1625.8	1773.9
30°	733.7	730.1	747.3	772.7	811.7	881.5	976.2	1112.3	1267.9	1462.0	1634.8
32.5°	646.6	646.8	659.7	678.5	711.0	758.0	822.9	933.4	1080.5	1271.2	1473.8
35°	562.0	561.5	571.0	584.5	598.2	628.3	672.7	730.7	831.9	1010.0	1217.0
37.5°	501.5	504.1	508.7	517.2	532.3	549.0	575.7	614.7	686.7	792.0	966.1
40°	467.4	468.6	475.1	482.2	491.1	504.1	526.0	557.3	610.0	694.0	821.2
42.5°	436.1	437.4	441.9	448.6	455.6	468.6	486.7	513.8	556.5	622.1	727.0
45°	390.5	390.5	394.7	397.6	405.3	417.1	431.9	454.4	483.9	532.5	602.4
47.5°	347.7	347.8	350.5	355.6	360.4	369.7	384.2	402.6	424.1	461.6	521.3
50°	323.1	323.6	325.4	329.6	332.5	340.8	352.0	368.0	390.5	419.5	469.2
52.5°	303.2	302.8	305.1	306.8	308.9	314.8	323.2	337.2	357.4	382.5	423.7
55°	271.0	268.6	272.2	275.1	276.9	279.3	284.0	292.8	310.0	331.4	362.1
57.5°	230.8	229.8	232.3	235.0	240.6	246.9	251.0	256.6	265.6	280.8	311.3
60°	197.6	197.6	203.0	204.7	211.2	219.5	227.8	232.6	241.4	251.5	273.9
62.5°	168.3	168.7	171.2	173.0	176.6	186.8	198.4	208.8	217.2	226.9	241.7
65°	140.8	142.0	142.0	143.2	145.5	147.9	152.7	161.0	175.8	189.3	200.5
67.5°	119.5	119.8	120.2	121.5	122.0	124.6	126.5	130.2	133.6	146.5	160.4
70°	105.3	107.1	106.5	107.7	108.3	109.4	111.8	113.6	119.0	121.9	130.2
72.5°	92.0	93.4	93.3	94.0	95.5	95.8	97.6	99.4	102.8	105.3	109.8
75°	74.5	73.9	74.5	75.7	76.3	77.0	77.0	79.3	81.1	83.5	86.4
77.5°	57.5	58.1	58.0	58.1	58.2	59.3	59.2	60.2	62.0	63.2	64.6
80°	46.2	46.7	46.2	46.7	47.3	47.9	47.3	47.9	49.7	50.9	50.9
82.5°	35.8	35.8	36.2	36.3	36.5	36.6	37.4	37.5	38.8	38.6	39.1
85°	21.3	20.7	20.7	20.7	21.3	21.8	21.3	21.3	21.8	21.8	21.8
87.5°	12.2	12.7	12.7	12.7	12.7	12.5	12.2	13.0	12.7	13.3	12.7
90°	23.0	23.0	23.0	23.0	23.0	22.3	21.0	22.3	23.0	23.7	23.0
92.5°	38.6	39.8	39.1	41.4	42.0	46.3	52.2	60.8	76.5	90.6	89.3
95°	79.5	78.7	80.9	86.4	95.5	110.8	140.1	182.6	239.1	273.2	241.9
97.5°	156.4	162.3	172.5	189.6	222.9	273.2	348.7	426.1	489.4	466.5	351.3
100°	249.5	262.1	282.3	312.3	370.1	454.5	550.0	636.4	651.0	550.6	379.2
102.5°	439.2	456.1	481.3	532.5	595.4	684.7	754.7	774.2	711.2	553.5	368.6
105°	785.6	795.3	825.3	868.5	911.8	934.8	925.7	846.9	702.0	516.5	347.9
107.5°	1003.4	1016.5	1022.4	1024.8	1019.4	985.6	913.1	794.5	640.7	476.9	337.5
110°	1069.3	1070.0	1063.7	1050.4	1020.5	963.3	874.1	749.3	602.3	458.0	335.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1068.2	1064.4	1052.6	1030.4	988.7	923.2	827.8	708.1	575.5	445.7	335.8
115°	1033.8	1027.4	1009.3	977.2	927.7	856.0	764.6	657.3	542.3	432.2	338.8
117.5°	972.2	967.0	947.9	914.0	863.5	796.2	713.4	619.1	521.4	425.6	343.8
120°	932.6	925.7	905.4	872.7	823.9	760.5	686.6	600.1	510.2	421.7	347.1
122.5°	891.4	885.6	867.5	835.4	791.6	734.2	664.3	585.1	500.8	419.5	351.1
125°	838.6	832.9	815.6	789.1	748.6	696.3	635.0	563.2	487.2	415.4	356.9
127.5°	792.3	787.8	772.8	748.0	712.7	664.4	606.5	541.6	474.7	413.0	362.9
130°	766.1	760.5	746.5	722.8	688.7	642.7	587.6	527.6	466.4	412.0	367.4
132.5°	738.7	733.7	720.9	697.2	663.6	620.4	569.8	514.2	459.7	411.4	371.8
135°	695.0	692.1	679.7	656.7	626.6	587.6	541.6	495.6	450.3	410.5	377.1
137.5°	652.0	647.8	636.9	617.1	589.7	555.7	519.2	480.7	443.7	410.5	381.8
140°	622.5	618.3	607.8	589.7	567.4	536.7	504.7	471.2	439.9	409.8	384.1
142.5°	592.9	592.1	582.7	566.3	545.1	519.4	491.9	463.4	436.0	409.8	385.8
145°	554.8	552.8	545.8	534.0	517.2	497.0	475.4	452.4	430.8	408.5	387.5
147.5°	522.9	521.7	516.9	507.5	493.7	478.8	462.0	443.9	425.5	406.0	388.2
150°	504.0	503.3	499.1	490.7	480.3	467.7	453.1	437.7	421.0	404.3	387.5
152.5°	487.8	487.7	484.6	477.3	469.1	458.3	445.9	431.6	417.1	401.5	386.5
155°	466.4	467.7	464.9	460.0	452.4	444.7	434.3	423.1	409.8	396.6	384.8
157.5°	448.1	448.1	446.8	442.7	437.3	431.3	422.6	413.2	403.1	391.6	381.6
160°	436.3	436.3	435.7	432.2	427.3	422.4	414.7	407.1	398.1	388.3	379.9
162.5°	425.2	425.8	425.1	422.7	417.9	414.0	407.5	400.9	393.5	385.5	378.3
165°	409.2	409.8	409.8	407.1	404.3	401.5	396.6	391.7	386.2	379.9	375.1
167.5°	394.4	395.2	395.4	393.9	392.6	390.0	386.7	383.0	378.9	375.1	371.8
170°	385.5	386.8	387.5	385.5	384.8	383.3	380.6	378.5	375.1	372.2	370.1
172.5°	378.3	379.1	379.8	378.8	378.1	377.3	375.1	373.4	371.1	368.9	367.9
175°	368.7	370.1	370.9	370.1	370.1	369.4	368.7	368.0	366.0	365.2	364.5
177.5°	363.0	364.2	364.7	364.7	364.7	364.7	364.2	364.2	363.0	362.5	363.0
180°	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8
2.5°	1743.5	1739.7	1736.4	1727.9	1723.6	1714.1	1712.7	1712.3	1700.0	1688.1	1684.8
5°	1803.4	1793.9	1779.7	1763.2	1746.0	1728.2	1716.4	1706.9	1683.3	1660.8	1647.8
7.5°	1863.8	1843.3	1818.9	1787.5	1761.4	1732.1	1710.2	1690.7	1657.2	1625.0	1603.3
10°	1908.7	1875.5	1843.0	1799.8	1766.1	1733.0	1702.2	1675.6	1637.7	1595.1	1565.0
12.5°	1936.6	1900.1	1855.3	1813.1	1769.4	1727.2	1686.1	1651.9	1607.4	1563.4	1527.5
15°	1974.3	1935.3	1880.9	1820.5	1764.3	1709.3	1662.0	1619.3	1561.4	1508.7	1464.9
17.5°	2005.3	1951.5	1893.1	1823.3	1758.2	1688.3	1627.3	1572.9	1508.3	1444.8	1393.2
20°	2015.2	1961.9	1894.5	1824.7	1747.8	1665.5	1599.8	1540.7	1471.4	1402.2	1343.1
22.5°	2009.0	1967.6	1892.6	1809.0	1730.3	1644.2	1570.0	1501.4	1424.6	1354.0	1285.3
25°	1967.3	1953.0	1882.0	1790.9	1701.0	1601.1	1515.2	1440.1	1352.5	1276.8	1202.2
27.5°	1869.9	1900.5	1856.5	1759.4	1659.5	1552.3	1455.8	1370.3	1279.4	1194.2	1119.9
30°	1776.2	1846.6	1827.7	1737.7	1625.9	1520.5	1412.3	1322.9	1225.9	1138.4	1065.0
32.5°	1647.9	1764.2	1782.7	1707.4	1591.8	1476.0	1362.6	1273.7	1172.4	1080.1	1008.6
35°	1443.7	1617.6	1697.5	1649.6	1533.6	1408.7	1291.6	1188.0	1086.3	995.1	924.2
37.5°	1200.0	1436.9	1570.0	1573.4	1467.0	1337.1	1209.6	1106.8	1002.6	913.2	836.3
40°	1041.9	1298.7	1472.0	1510.5	1420.6	1280.3	1151.4	1046.6	944.9	857.3	769.2
42.5°	899.9	1155.7	1368.9	1435.7	1364.2	1224.9	1095.6	986.1	887.2	804.3	714.3
45°	727.7	951.4	1186.2	1305.8	1266.1	1137.2	1000.5	896.3	803.4	731.9	645.5
47.5°	613.9	771.5	998.8	1160.5	1159.8	1042.1	907.6	807.9	721.7	654.6	584.7
50°	549.0	686.3	878.6	1062.0	1077.4	978.6	850.8	752.0	671.5	601.1	544.9
52.5°	490.8	604.0	776.9	952.7	996.5	910.9	786.9	695.7	617.6	552.9	504.7
55°	414.7	502.3	633.6	798.2	864.4	804.1	694.0	608.9	545.5	491.1	449.7
57.5°	350.9	416.5	521.9	654.3	731.6	693.6	602.8	533.6	479.4	430.2	397.4
60°	310.6	364.4	453.8	564.5	649.6	623.0	545.5	481.0	434.9	392.3	361.5
62.5°	272.8	319.1	395.6	485.4	563.5	552.5	489.2	435.1	394.7	355.8	329.8
65°	219.5	253.2	313.0	383.4	446.1	451.5	405.9	369.2	333.1	302.4	279.3
67.5°	174.8	196.8	238.9	298.2	345.2	361.9	334.1	306.1	277.5	253.7	233.7
70°	147.3	165.1	195.8	243.8	287.0	304.7	288.7	266.8	242.0	222.5	205.3
72.5°	119.4	136.7	159.3	194.6	231.6	250.7	245.2	229.4	209.3	193.1	176.9
75°	90.0	95.2	110.7	134.3	163.3	179.9	184.0	175.8	159.7	147.3	137.9
77.5°	66.5	69.7	77.0	89.4	108.4	123.1	129.2	128.2	117.3	110.0	101.2
80°	53.2	55.0	58.6	63.9	78.1	92.9	97.0	97.0	89.3	86.4	77.5
82.5°	40.5	41.7	43.9	46.8	53.5	66.3	71.0	72.0	67.1	63.2	56.2
85°	23.1	22.5	23.6	25.4	26.7	30.1	37.3	38.4	37.3	32.5	30.8
87.5°	11.8	11.3	10.6	9.7	9.9	10.1	11.9	13.8	12.4	11.5	10.9
90°	18.8	13.9	10.4	8.4	7.0	5.6	2.8	0.7	2.8	5.6	7.0
92.5°	69.6	47.4	31.7	25.1	20.3	17.3	12.3	8.5	12.3	17.3	20.3
95°	161.0	100.4	68.3	51.5	40.4	34.2	27.2	24.4	27.2	34.2	40.4
97.5°	217.0	132.4	92.1	73.2	60.4	50.9	43.5	39.8	43.5	50.9	60.4
100°	228.6	143.6	106.6	87.1	73.2	62.1	55.7	53.7	55.7	62.1	73.2
102.5°	229.2	153.6	119.5	100.0	85.4	74.3	68.0	66.5	68.0	74.3	85.4
105°	232.8	170.8	138.0	118.5	103.2	92.7	87.8	85.1	87.8	92.7	103.2
107.5°	242.5	188.3	156.6	136.9	121.7	112.1	107.4	105.1	107.4	112.1	121.7
110°	250.2	200.0	169.4	149.2	134.6	125.5	121.3	118.5	121.3	125.5	134.6



TEST NUMBER: P331719-940

CATALOG NUMBER: SA2XXRDIP-C865D725U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	258.6	211.2	181.6	160.9	146.8	138.3	133.6	130.7	133.6	138.3	146.8
115°	271.2	228.6	198.7	179.9	165.9	157.6	153.4	149.9	153.4	157.6	165.9
117.5°	284.5	244.7	217.0	197.4	184.0	176.6	172.5	169.7	172.5	176.6	184.0
120°	293.5	255.8	228.6	209.1	195.2	188.9	184.8	181.9	184.8	188.9	195.2
122.5°	301.3	266.4	240.9	220.8	206.9	200.0	195.9	193.7	195.9	200.0	206.9
125°	313.7	282.3	257.2	237.7	223.7	215.3	211.2	209.1	211.2	215.3	223.7
127.5°	325.2	297.1	272.7	252.6	239.2	230.1	224.2	221.4	224.2	230.1	239.2
130°	332.5	306.0	281.6	262.1	248.2	238.4	231.4	228.6	231.4	238.4	248.2
132.5°	339.7	313.8	290.5	271.0	256.5	246.2	238.7	235.3	238.7	246.2	256.5
135°	349.2	324.9	302.6	283.0	267.0	256.5	248.2	245.4	248.2	256.5	267.0
137.5°	356.5	333.8	311.7	293.6	277.7	266.5	258.2	254.9	258.2	266.5	277.7
140°	360.3	338.8	317.9	299.7	284.4	273.2	264.8	262.1	264.8	273.2	284.4
142.5°	363.7	342.7	322.4	305.3	290.5	279.4	271.6	269.3	271.6	279.4	290.5
145°	368.0	348.6	329.7	314.3	300.4	290.0	283.0	280.2	283.0	290.0	300.4
147.5°	370.4	353.3	335.6	321.9	310.3	300.7	294.0	291.9	294.0	300.7	310.3
150°	371.5	355.5	339.5	326.9	316.5	307.4	301.8	299.7	301.8	307.4	316.5
152.5°	372.1	357.8	343.4	331.9	322.0	314.1	308.5	307.6	308.5	314.1	322.0
155°	372.9	361.1	349.2	338.8	331.1	323.4	319.2	318.5	319.2	323.4	331.1
157.5°	372.9	363.5	353.4	344.6	338.5	331.8	328.4	327.8	328.4	331.8	338.5
160°	372.9	364.5	356.1	348.6	343.0	337.3	334.6	333.9	334.6	337.3	343.0
162.5°	372.4	365.2	357.8	351.9	346.9	342.4	339.6	340.0	339.6	342.4	346.9
165°	370.9	366.0	359.7	355.5	352.0	347.9	346.4	347.1	346.4	347.9	352.0
167.5°	369.9	365.8	361.2	358.6	356.1	353.4	352.1	353.0	352.1	353.4	356.1
170°	368.7	365.2	361.8	359.7	358.3	356.1	355.5	356.9	355.5	356.1	358.3
172.5°	367.0	364.7	362.3	360.8	360.0	357.8	358.3	359.1	358.3	357.8	360.0
175°	365.2	363.8	362.5	361.8	361.8	360.3	361.1	361.8	361.1	360.3	361.8
177.5°	364.2	363.0	362.5	362.5	362.5	361.3	361.9	363.0	361.9	361.3	362.5
180°	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5



TEST NUMBER: P331719-940

CATALOG NUMBER: SA2XXRDIP-C865D725U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8
2.5°	1678.6	1675.3	1669.2	1659.7	1654.0	1644.1	1637.4	1641.3	1642.2	1641.3	1640.3
5°	1633.5	1621.1	1604.0	1587.4	1572.0	1555.5	1546.0	1541.9	1533.6	1528.8	1526.5
7.5°	1579.0	1557.6	1533.3	1504.5	1480.0	1454.3	1441.2	1434.7	1417.7	1408.5	1400.4
10°	1538.3	1504.6	1480.3	1442.4	1419.4	1385.6	1362.6	1363.2	1340.1	1327.0	1317.6
12.5°	1493.3	1456.3	1415.9	1381.9	1349.8	1322.7	1294.9	1283.6	1259.2	1246.6	1221.0
15°	1418.8	1375.6	1333.0	1286.8	1254.3	1212.3	1172.1	1122.9	1083.3	1049.0	1039.6
17.5°	1337.4	1283.9	1241.2	1187.0	1131.2	1060.6	1014.0	985.4	961.5	943.4	930.0
20°	1281.6	1227.1	1181.5	1099.9	1024.8	976.9	942.5	920.6	895.8	876.3	865.6
22.5°	1222.8	1166.0	1103.9	1012.8	954.2	915.8	885.2	860.1	843.2	828.0	818.2
25°	1139.5	1077.4	975.1	912.3	865.0	824.7	803.4	788.1	770.3	749.7	740.1
27.5°	1051.5	952.7	879.2	832.6	787.4	761.3	742.1	719.1	703.2	693.9	684.0
30°	985.7	886.9	829.5	778.6	746.6	717.6	695.2	682.2	666.8	650.9	644.4
32.5°	912.3	833.4	778.4	736.0	703.6	678.9	661.1	640.1	628.9	619.1	605.5
35°	821.2	761.4	711.1	676.9	646.1	626.0	605.3	592.8	572.7	564.5	559.1
37.5°	744.0	692.2	654.7	618.5	594.1	571.9	559.2	539.5	530.7	519.2	508.0
40°	700.5	649.6	613.6	584.0	556.8	540.2	524.2	508.3	495.3	489.9	476.3
42.5°	656.0	614.7	578.5	546.1	527.9	510.3	490.2	478.4	464.9	456.3	447.9
45°	594.6	557.9	527.2	500.5	480.5	462.1	449.1	429.5	421.9	404.7	397.6
47.5°	540.6	506.6	477.2	451.9	432.3	420.4	401.3	386.0	373.7	363.2	354.0
50°	502.3	473.9	445.5	423.0	405.3	388.2	368.6	360.9	342.0	336.6	331.4
52.5°	467.3	440.3	414.3	392.3	374.5	357.8	340.6	330.6	317.8	312.5	308.6
55°	418.3	392.3	367.4	347.9	330.1	313.0	302.4	289.9	284.0	279.8	275.1
57.5°	369.1	345.6	326.6	306.8	289.0	275.4	263.1	255.6	249.4	244.0	238.4
60°	337.9	315.3	298.2	279.8	261.5	250.3	240.8	231.9	224.8	216.5	214.2
62.5°	304.7	285.1	269.3	251.5	235.5	225.2	216.2	207.8	199.3	187.2	183.9
65°	259.1	243.8	227.2	212.4	198.2	188.2	175.1	165.7	162.1	161.0	160.3
67.5°	217.9	203.4	189.2	174.1	161.1	151.9	145.2	143.7	141.2	140.5	138.9
70°	190.5	176.9	162.7	148.5	136.1	134.3	132.0	129.6	126.6	125.5	124.2
72.5°	165.9	151.9	137.6	126.3	120.9	118.7	116.3	114.0	111.9	110.8	110.0
75°	127.2	114.2	104.7	100.6	97.6	95.9	92.3	90.5	89.3	87.6	86.9
77.5°	91.6	84.3	79.9	77.3	74.2	72.3	70.3	68.5	67.2	66.9	65.9
80°	69.8	66.3	63.3	59.7	58.6	56.2	55.6	53.9	54.4	52.7	52.7
82.5°	54.2	49.7	47.2	45.6	44.4	42.4	41.9	41.0	41.2	39.9	39.9
85°	27.8	26.7	25.4	24.3	24.3	22.5	23.1	22.5	22.5	21.3	20.7
87.5°	10.7	10.6	10.3	11.3	12.2	11.9	11.7	11.1	10.8	11.1	10.8
90°	8.4	10.4	13.9	18.8	23.0	23.7	23.0	22.3	21.0	22.3	23.0
92.5°	25.1	31.7	47.4	69.6	89.3	90.6	76.5	60.8	52.2	46.3	42.0
95°	51.5	68.3	100.4	161.0	241.9	273.2	239.1	182.6	140.1	110.8	95.5
97.5°	73.2	92.1	132.4	217.0	351.3	466.5	489.4	426.1	348.7	273.2	222.9
100°	87.1	106.6	143.6	228.6	379.2	550.6	651.0	636.4	550.0	454.5	370.1
102.5°	100.0	119.5	153.6	229.2	368.6	553.5	711.2	774.2	754.7	684.7	595.4
105°	118.5	138.0	170.8	232.8	347.9	516.5	702.0	846.9	925.7	934.8	911.8
107.5°	136.9	156.6	188.3	242.5	337.5	476.9	640.7	794.5	913.1	985.6	1019.4
110°	149.2	169.4	200.0	250.2	335.3	458.0	602.3	749.3	874.1	963.3	1020.5



TEST NUMBER: P331719-940

CATALOG NUMBER: SA2XXRDIP-C865D725U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	160.9	181.6	211.2	258.6	335.8	445.7	575.5	708.1	827.8	923.2	988.7
115°	179.9	198.7	228.6	271.2	338.8	432.2	542.3	657.3	764.6	856.0	927.7
117.5°	197.4	217.0	244.7	284.5	343.8	425.6	521.4	619.1	713.4	796.2	863.5
120°	209.1	228.6	255.8	293.5	347.1	421.7	510.2	600.1	686.6	760.5	823.9
122.5°	220.8	240.9	266.4	301.3	351.1	419.5	500.8	585.1	664.3	734.2	791.6
125°	237.7	257.2	282.3	313.7	356.9	415.4	487.2	563.2	635.0	696.3	748.6
127.5°	252.6	272.7	297.1	325.2	362.9	413.0	474.7	541.6	606.5	664.4	712.7
130°	262.1	281.6	306.0	332.5	367.4	412.0	466.4	527.6	587.6	642.7	688.7
132.5°	271.0	290.5	313.8	339.7	371.8	411.4	459.7	514.2	569.8	620.4	663.6
135°	283.0	302.6	324.9	349.2	377.1	410.5	450.3	495.6	541.6	587.6	626.6
137.5°	293.6	311.7	333.8	356.5	381.8	410.5	443.7	480.7	519.2	555.7	589.7
140°	299.7	317.9	338.8	360.3	384.1	409.8	439.9	471.2	504.7	536.7	567.4
142.5°	305.3	322.4	342.7	363.7	385.8	409.8	436.0	463.4	491.9	519.4	545.1
145°	314.3	329.7	348.6	368.0	387.5	408.5	430.8	452.4	475.4	497.0	517.2
147.5°	321.9	335.6	353.3	370.4	388.2	406.0	425.5	443.9	462.0	478.8	493.7
150°	326.9	339.5	355.5	371.5	387.5	404.3	421.0	437.7	453.1	467.7	480.3
152.5°	331.9	343.4	357.8	372.1	386.5	401.5	417.1	431.6	445.9	458.3	469.1
155°	338.8	349.2	361.1	372.9	384.8	396.6	409.8	423.1	434.3	444.7	452.4
157.5°	344.6	353.4	363.5	372.9	381.6	391.6	403.1	413.2	422.6	431.3	437.3
160°	348.6	356.1	364.5	372.9	379.9	388.3	398.1	407.1	414.7	422.4	427.3
162.5°	351.9	357.8	365.2	372.4	378.3	385.5	393.5	400.9	407.5	414.0	417.9
165°	355.5	359.7	366.0	370.9	375.1	379.9	386.2	391.7	396.6	401.5	404.3
167.5°	358.6	361.2	365.8	369.9	371.8	375.1	378.9	383.0	386.7	390.0	392.6
170°	359.7	361.8	365.2	368.7	370.1	372.2	375.1	378.5	380.6	383.3	384.8
172.5°	360.8	362.3	364.7	367.0	367.9	368.9	371.1	373.4	375.1	377.3	378.1
175°	361.8	362.5	363.8	365.2	364.5	365.2	366.0	368.0	368.7	369.4	370.1
177.5°	362.5	362.5	363.0	364.2	363.0	362.5	363.0	364.2	364.2	364.7	364.7
180°	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5



TEST NUMBER: P331719-940

CATALOG NUMBER: SA2XXRDIP-C865D725U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8
2.5°	1635.1	1636.0	1634.6	1635.6	1634.6	1636.0	1635.1	1640.3	1641.3	1642.2	1641.3
5°	1523.5	1516.4	1515.2	1513.5	1515.2	1516.4	1523.5	1526.5	1528.8	1533.6	1541.9
7.5°	1390.3	1389.2	1386.3	1382.2	1386.3	1389.2	1390.3	1400.4	1408.5	1417.7	1434.7
10°	1304.6	1301.6	1301.1	1296.9	1301.1	1301.6	1304.6	1317.6	1327.0	1340.1	1363.2
12.5°	1204.3	1185.2	1183.2	1172.9	1183.2	1185.2	1204.3	1221.0	1246.6	1259.2	1283.6
15°	1025.4	1021.8	1010.0	1002.3	1010.0	1021.8	1025.4	1039.6	1049.0	1083.3	1122.9
17.5°	923.1	911.5	907.9	906.2	907.9	911.5	923.1	930.0	943.4	961.5	985.4
20°	857.3	846.7	844.9	843.7	844.9	846.7	857.3	865.6	876.3	895.8	920.6
22.5°	811.9	800.8	796.1	792.6	796.1	800.8	811.9	818.2	828.0	843.2	860.1
25°	734.2	730.1	727.7	726.6	727.7	730.1	734.2	740.1	749.7	770.3	788.1
27.5°	673.5	664.4	662.6	659.6	662.6	664.4	673.5	684.0	693.9	703.2	719.1
30°	639.0	636.1	631.9	628.3	631.9	636.1	639.0	644.4	650.9	666.8	682.2
32.5°	598.2	595.8	592.1	590.5	592.1	595.8	598.2	605.5	619.1	628.9	640.1
35°	553.2	544.9	541.4	536.0	541.4	544.9	553.2	559.1	564.5	572.7	592.8
37.5°	505.5	501.1	496.1	497.9	496.1	501.1	505.5	508.0	519.2	530.7	539.5
40°	468.6	465.7	464.5	463.9	464.5	465.7	468.6	476.3	489.9	495.3	508.3
42.5°	439.3	431.1	428.0	427.8	428.0	431.1	439.3	447.9	456.3	464.9	478.4
45°	394.7	386.9	381.7	382.2	381.7	386.9	394.7	397.6	404.7	421.9	429.5
47.5°	348.9	348.7	345.4	346.5	345.4	348.7	348.9	354.0	363.2	373.7	386.0
50°	327.2	323.6	321.3	321.8	321.3	323.6	327.2	331.4	336.6	342.0	360.9
52.5°	306.4	303.3	301.4	303.9	301.4	303.3	306.4	308.6	312.5	317.8	330.6
55°	272.2	268.6	268.0	267.4	268.0	268.6	272.2	275.1	279.8	284.0	289.9
57.5°	234.0	231.6	228.0	226.5	228.0	231.6	234.0	238.4	244.0	249.4	255.6
60°	206.5	201.8	195.8	195.3	195.8	201.8	206.5	214.2	216.5	224.8	231.9
62.5°	181.4	180.5	179.2	179.1	179.2	180.5	181.4	183.9	187.2	199.3	207.8
65°	159.2	158.5	159.2	159.7	159.2	158.5	159.2	160.3	161.0	162.1	165.7
67.5°	138.7	137.6	136.5	137.1	136.5	137.6	138.7	138.9	140.5	141.2	143.7
70°	123.1	122.4	121.9	121.9	121.9	122.4	123.1	124.2	125.5	126.6	129.6
72.5°	107.9	107.8	107.2	106.7	107.2	107.8	107.9	110.0	110.8	111.9	114.0
75°	86.4	85.2	85.2	85.2	85.2	85.2	86.4	86.9	87.6	89.3	90.5
77.5°	65.8	65.2	64.6	64.1	64.6	65.2	65.8	65.9	66.9	67.2	68.5
80°	52.1	51.5	50.9	50.9	50.9	51.5	52.1	52.7	52.7	54.4	53.9
82.5°	39.8	39.1	39.1	38.6	39.1	39.1	39.8	39.9	39.9	41.2	41.0
85°	21.3	21.8	21.3	22.5	21.3	21.8	21.3	20.7	21.3	22.5	22.5
87.5°	10.8	10.3	10.8	10.3	10.8	10.3	10.8	10.8	11.1	10.8	11.1
90°	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	22.3	21.0	22.3
92.5°	41.4	39.1	39.8	38.6	39.8	39.1	41.4	42.0	46.3	52.2	60.8
95°	86.4	80.9	78.7	79.5	78.7	80.9	86.4	95.5	110.8	140.1	182.6
97.5°	189.6	172.5	162.3	156.4	162.3	172.5	189.6	222.9	273.2	348.7	426.1
100°	312.3	282.3	262.1	249.5	262.1	282.3	312.3	370.1	454.5	550.0	636.4
102.5°	532.5	481.3	456.1	439.2	456.1	481.3	532.5	595.4	684.7	754.7	774.2
105°	868.5	825.3	795.3	785.6	795.3	825.3	868.5	911.8	934.8	925.7	846.9
107.5°	1024.8	1022.4	1016.5	1003.4	1016.5	1022.4	1024.8	1019.4	985.6	913.1	794.5
110°	1050.4	1063.7	1070.0	1069.3	1070.0	1063.7	1050.4	1020.5	963.3	874.1	749.3



TEST NUMBER: P331719-940

CATALOG NUMBER: SA2XXRDIP-C865D725U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1030.4	1052.6	1064.4	1068.2	1064.4	1052.6	1030.4	988.7	923.2	827.8	708.1
115°	977.2	1009.3	1027.4	1033.8	1027.4	1009.3	977.2	927.7	856.0	764.6	657.3
117.5°	914.0	947.9	967.0	972.2	967.0	947.9	914.0	863.5	796.2	713.4	619.1
120°	872.7	905.4	925.7	932.6	925.7	905.4	872.7	823.9	760.5	686.6	600.1
122.5°	835.4	867.5	885.6	891.4	885.6	867.5	835.4	791.6	734.2	664.3	585.1
125°	789.1	815.6	832.9	838.6	832.9	815.6	789.1	748.6	696.3	635.0	563.2
127.5°	748.0	772.8	787.8	792.3	787.8	772.8	748.0	712.7	664.4	606.5	541.6
130°	722.8	746.5	760.5	766.1	760.5	746.5	722.8	688.7	642.7	587.6	527.6
132.5°	697.2	720.9	733.7	738.7	733.7	720.9	697.2	663.6	620.4	569.8	514.2
135°	656.7	679.7	692.1	695.0	692.1	679.7	656.7	626.6	587.6	541.6	495.6
137.5°	617.1	636.9	647.8	652.0	647.8	636.9	617.1	589.7	555.7	519.2	480.7
140°	589.7	607.8	618.3	622.5	618.3	607.8	589.7	567.4	536.7	504.7	471.2
142.5°	566.3	582.7	592.1	592.9	592.1	582.7	566.3	545.1	519.4	491.9	463.4
145°	534.0	545.8	552.8	554.8	552.8	545.8	534.0	517.2	497.0	475.4	452.4
147.5°	507.5	516.9	521.7	522.9	521.7	516.9	507.5	493.7	478.8	462.0	443.9
150°	490.7	499.1	503.3	504.0	503.3	499.1	490.7	480.3	467.7	453.1	437.7
152.5°	477.3	484.6	487.7	487.8	487.7	484.6	477.3	469.1	458.3	445.9	431.6
155°	460.0	464.9	467.7	466.4	467.7	464.9	460.0	452.4	444.7	434.3	423.1
157.5°	442.7	446.8	448.1	448.1	448.1	446.8	442.7	437.3	431.3	422.6	413.2
160°	432.2	435.7	436.3	436.3	436.3	435.7	432.2	427.3	422.4	414.7	407.1
162.5°	422.7	425.1	425.8	425.2	425.8	425.1	422.7	417.9	414.0	407.5	400.9
165°	407.1	409.8	409.8	409.2	409.8	409.8	407.1	404.3	401.5	396.6	391.7
167.5°	393.9	395.4	395.2	394.4	395.2	395.4	393.9	392.6	390.0	386.7	383.0
170°	385.5	387.5	386.8	385.5	386.8	387.5	385.5	384.8	383.3	380.6	378.5
172.5°	378.8	379.8	379.1	378.3	379.1	379.8	378.8	378.1	377.3	375.1	373.4
175°	370.1	370.9	370.1	368.7	370.1	370.9	370.1	370.1	369.4	368.7	368.0
177.5°	364.7	364.7	364.2	363.0	364.2	364.7	364.7	364.7	364.7	364.2	364.2
180°	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5



TEST NUMBER: P331719-940
 CATALOG NUMBER: SA2XXRDIP-C865D725U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8
2.5°	1637.4	1644.1	1654.0	1659.7	1669.2	1675.3	1678.6	1684.8	1688.1	1700.0	1712.3
5°	1546.0	1555.5	1572.0	1587.4	1604.0	1621.1	1633.5	1647.8	1660.8	1683.3	1706.9
7.5°	1441.2	1454.3	1480.0	1504.5	1533.3	1557.6	1579.0	1603.3	1625.0	1657.2	1690.7
10°	1362.6	1385.6	1419.4	1442.4	1480.3	1504.6	1538.3	1565.0	1595.1	1637.7	1675.6
12.5°	1294.9	1322.7	1349.8	1381.9	1415.9	1456.3	1493.3	1527.5	1563.4	1607.4	1651.9
15°	1172.1	1212.3	1254.3	1286.8	1333.0	1375.6	1418.8	1464.9	1508.7	1561.4	1619.3
17.5°	1014.0	1060.6	1131.2	1187.0	1241.2	1283.9	1337.4	1393.2	1444.8	1508.3	1572.9
20°	942.5	976.9	1024.8	1099.9	1181.5	1227.1	1281.6	1343.1	1402.2	1471.4	1540.7
22.5°	885.2	915.8	954.2	1012.8	1103.9	1166.0	1222.8	1285.3	1354.0	1424.6	1501.4
25°	803.4	824.7	865.0	912.3	975.1	1077.4	1139.5	1202.2	1276.8	1352.5	1440.1
27.5°	742.1	761.3	787.4	832.6	879.2	952.7	1051.5	1119.9	1194.2	1279.4	1370.3
30°	695.2	717.6	746.6	778.6	829.5	886.9	985.7	1065.0	1138.4	1225.9	1322.9
32.5°	661.1	678.9	703.6	736.0	778.4	833.4	912.3	1008.6	1080.1	1172.4	1273.7
35°	605.3	626.0	646.1	676.9	711.1	761.4	821.2	924.2	995.1	1086.3	1188.0
37.5°	559.2	571.9	594.1	618.5	654.7	692.2	744.0	836.3	913.2	1002.6	1106.8
40°	524.2	540.2	556.8	584.0	613.6	649.6	700.5	769.2	857.3	944.9	1046.6
42.5°	490.2	510.3	527.9	546.1	578.5	614.7	656.0	714.3	804.3	887.2	986.1
45°	449.1	462.1	480.5	500.5	527.2	557.9	594.6	645.5	731.9	803.4	896.3
47.5°	401.3	420.4	432.3	451.9	477.2	506.6	540.6	584.7	654.6	721.7	807.9
50°	368.6	388.2	405.3	423.0	445.5	473.9	502.3	544.9	601.1	671.5	752.0
52.5°	340.6	357.8	374.5	392.3	414.3	440.3	467.3	504.7	552.9	617.6	695.7
55°	302.4	313.0	330.1	347.9	367.4	392.3	418.3	449.7	491.1	545.5	608.9
57.5°	263.1	275.4	289.0	306.8	326.6	345.6	369.1	397.4	430.2	479.4	533.6
60°	240.8	250.3	261.5	279.8	298.2	315.3	337.9	361.5	392.3	434.9	481.0
62.5°	216.2	225.2	235.5	251.5	269.3	285.1	304.7	329.8	355.8	394.7	435.1
65°	175.1	188.2	198.2	212.4	227.2	243.8	259.1	279.3	302.4	333.1	369.2
67.5°	145.2	151.9	161.1	174.1	189.2	203.4	217.9	233.7	253.7	277.5	306.1
70°	132.0	134.3	136.1	148.5	162.7	176.9	190.5	205.3	222.5	242.0	266.8
72.5°	116.3	118.7	120.9	126.3	137.6	151.9	165.9	176.9	193.1	209.3	229.4
75°	92.3	95.9	97.6	100.6	104.7	114.2	127.2	137.9	147.3	159.7	175.8
77.5°	70.3	72.3	74.2	77.3	79.9	84.3	91.6	101.2	110.0	117.3	128.2
80°	55.6	56.2	58.6	59.7	63.3	66.3	69.8	77.5	86.4	89.3	97.0
82.5°	41.9	42.4	44.4	45.6	47.2	49.7	54.2	56.2	63.2	67.1	72.0
85°	23.1	22.5	24.3	24.3	25.4	26.7	27.8	30.8	32.5	37.3	38.4
87.5°	11.7	11.9	12.2	11.3	10.3	10.6	10.7	10.9	11.5	12.4	13.8
90°	23.0	23.7	23.0	18.8	13.9	10.4	8.4	7.0	5.6	2.8	0.7
92.5°	76.5	90.6	89.3	69.6	47.4	31.7	25.1	20.3	17.3	12.3	8.5
95°	239.1	273.2	241.9	161.0	100.4	68.3	51.5	40.4	34.2	27.2	24.4
97.5°	489.4	466.5	351.3	217.0	132.4	92.1	73.2	60.4	50.9	43.5	39.8
100°	651.0	550.6	379.2	228.6	143.6	106.6	87.1	73.2	62.1	55.7	53.7
102.5°	711.2	553.5	368.6	229.2	153.6	119.5	100.0	85.4	74.3	68.0	66.5
105°	702.0	516.5	347.9	232.8	170.8	138.0	118.5	103.2	92.7	87.8	85.1
107.5°	640.7	476.9	337.5	242.5	188.3	156.6	136.9	121.7	112.1	107.4	105.1
110°	602.3	458.0	335.3	250.2	200.0	169.4	149.2	134.6	125.5	121.3	118.5



TEST NUMBER: P331719-940

CATALOG NUMBER: SA2XXRDIP-C865D725U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	575.5	445.7	335.8	258.6	211.2	181.6	160.9	146.8	138.3	133.6	130.7
115°	542.3	432.2	338.8	271.2	228.6	198.7	179.9	165.9	157.6	153.4	149.9
117.5°	521.4	425.6	343.8	284.5	244.7	217.0	197.4	184.0	176.6	172.5	169.7
120°	510.2	421.7	347.1	293.5	255.8	228.6	209.1	195.2	188.9	184.8	181.9
122.5°	500.8	419.5	351.1	301.3	266.4	240.9	220.8	206.9	200.0	195.9	193.7
125°	487.2	415.4	356.9	313.7	282.3	257.2	237.7	223.7	215.3	211.2	209.1
127.5°	474.7	413.0	362.9	325.2	297.1	272.7	252.6	239.2	230.1	224.2	221.4
130°	466.4	412.0	367.4	332.5	306.0	281.6	262.1	248.2	238.4	231.4	228.6
132.5°	459.7	411.4	371.8	339.7	313.8	290.5	271.0	256.5	246.2	238.7	235.3
135°	450.3	410.5	377.1	349.2	324.9	302.6	283.0	267.0	256.5	248.2	245.4
137.5°	443.7	410.5	381.8	356.5	333.8	311.7	293.6	277.7	266.5	258.2	254.9
140°	439.9	409.8	384.1	360.3	338.8	317.9	299.7	284.4	273.2	264.8	262.1
142.5°	436.0	409.8	385.8	363.7	342.7	322.4	305.3	290.5	279.4	271.6	269.3
145°	430.8	408.5	387.5	368.0	348.6	329.7	314.3	300.4	290.0	283.0	280.2
147.5°	425.5	406.0	388.2	370.4	353.3	335.6	321.9	310.3	300.7	294.0	291.9
150°	421.0	404.3	387.5	371.5	355.5	339.5	326.9	316.5	307.4	301.8	299.7
152.5°	417.1	401.5	386.5	372.1	357.8	343.4	331.9	322.0	314.1	308.5	307.6
155°	409.8	396.6	384.8	372.9	361.1	349.2	338.8	331.1	323.4	319.2	318.5
157.5°	403.1	391.6	381.6	372.9	363.5	353.4	344.6	338.5	331.8	328.4	327.8
160°	398.1	388.3	379.9	372.9	364.5	356.1	348.6	343.0	337.3	334.6	333.9
162.5°	393.5	385.5	378.3	372.4	365.2	357.8	351.9	346.9	342.4	339.6	340.0
165°	386.2	379.9	375.1	370.9	366.0	359.7	355.5	352.0	347.9	346.4	347.1
167.5°	378.9	375.1	371.8	369.9	365.8	361.2	358.6	356.1	353.4	352.1	353.0
170°	375.1	372.2	370.1	368.7	365.2	361.8	359.7	358.3	356.1	355.5	356.9
172.5°	371.1	368.9	367.9	367.0	364.7	362.3	360.8	360.0	357.8	358.3	359.1
175°	366.0	365.2	364.5	365.2	363.8	362.5	361.8	361.8	360.3	361.1	361.8
177.5°	363.0	362.5	363.0	364.2	363.0	362.5	362.5	362.5	361.3	361.9	363.0
180°	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5



TEST NUMBER: P331719-940

CATALOG NUMBER: SA2XXRDIP-C865D725U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8
2.5°	1712.7	1714.1	1723.6	1727.9	1736.4	1739.7	1743.5	1742.6	1742.6	1744.5	1757.7
5°	1716.4	1728.2	1746.0	1763.2	1779.7	1793.9	1803.4	1812.8	1816.4	1833.5	1849.0
7.5°	1710.2	1732.1	1761.4	1787.5	1818.9	1843.3	1863.8	1882.0	1894.6	1919.6	1945.2
10°	1702.2	1733.0	1766.1	1799.8	1843.0	1875.5	1908.7	1934.1	1942.4	1979.7	2001.0
12.5°	1686.1	1727.2	1769.4	1813.1	1855.3	1900.1	1936.6	1962.0	1991.2	2024.6	2064.0
15°	1662.0	1709.3	1764.3	1820.5	1880.9	1935.3	1974.3	2018.7	2050.7	2087.4	2121.6
17.5°	1627.3	1688.3	1758.2	1823.3	1893.1	1951.5	2005.3	2047.8	2070.3	2091.2	2096.3
20°	1599.8	1665.5	1747.8	1824.7	1894.5	1961.9	2015.2	2050.7	2056.6	2057.2	2025.9
22.5°	1570.0	1644.2	1730.3	1809.0	1892.6	1967.6	2009.0	2024.2	2000.7	1960.6	1900.0
25°	1515.2	1601.1	1701.0	1790.9	1882.0	1953.0	1967.3	1940.6	1858.4	1772.0	1662.6
27.5°	1455.8	1552.3	1659.5	1759.4	1856.5	1900.5	1869.9	1773.9	1625.8	1497.0	1341.0
30°	1412.3	1520.5	1625.9	1737.7	1827.7	1846.6	1776.2	1634.8	1462.0	1267.9	1112.3
32.5°	1362.6	1476.0	1591.8	1707.4	1782.7	1764.2	1647.9	1473.8	1271.2	1080.5	933.4
35°	1291.6	1408.7	1533.6	1649.6	1697.5	1617.6	1443.7	1217.0	1010.0	831.9	730.7
37.5°	1209.6	1337.1	1467.0	1573.4	1570.0	1436.9	1200.0	966.1	792.0	686.7	614.7
40°	1151.4	1280.3	1420.6	1510.5	1472.0	1298.7	1041.9	821.2	694.0	610.0	557.3
42.5°	1095.6	1224.9	1364.2	1435.7	1368.9	1155.7	899.9	727.0	622.1	556.5	513.8
45°	1000.5	1137.2	1266.1	1305.8	1186.2	951.4	727.7	602.4	532.5	483.9	454.4
47.5°	907.6	1042.1	1159.8	1160.5	998.8	771.5	613.9	521.3	461.6	424.1	402.6
50°	850.8	978.6	1077.4	1062.0	878.6	686.3	549.0	469.2	419.5	390.5	368.0
52.5°	786.9	910.9	996.5	952.7	776.9	604.0	490.8	423.7	382.5	357.4	337.2
55°	694.0	804.1	864.4	798.2	633.6	502.3	414.7	362.1	331.4	310.0	292.8
57.5°	602.8	693.6	731.6	654.3	521.9	416.5	350.9	311.3	280.8	265.6	256.6
60°	545.5	623.0	649.6	564.5	453.8	364.4	310.6	273.9	251.5	241.4	232.6
62.5°	489.2	552.5	563.5	485.4	395.6	319.1	272.8	241.7	226.9	217.2	208.8
65°	405.9	451.5	446.1	383.4	313.0	253.2	219.5	200.5	189.3	175.8	161.0
67.5°	334.1	361.9	345.2	298.2	238.9	196.8	174.8	160.4	146.5	133.6	130.2
70°	288.7	304.7	287.0	243.8	195.8	165.1	147.3	130.2	121.9	119.0	113.6
72.5°	245.2	250.7	231.6	194.6	159.3	136.7	119.4	109.8	105.3	102.8	99.4
75°	184.0	179.9	163.3	134.3	110.7	95.2	90.0	86.4	83.5	81.1	79.3
77.5°	129.2	123.1	108.4	89.4	77.0	69.7	66.5	64.6	63.2	62.0	60.2
80°	97.0	92.9	78.1	63.9	58.6	55.0	53.2	50.9	50.9	49.7	47.9
82.5°	71.0	66.3	53.5	46.8	43.9	41.7	40.5	39.1	38.6	38.8	37.5
85°	37.3	30.1	26.7	25.4	23.6	22.5	23.1	21.8	21.8	21.8	21.3
87.5°	11.9	10.1	9.9	9.7	10.6	11.3	11.8	12.7	13.3	12.7	13.0
90°	2.8	5.6	7.0	8.4	10.4	13.9	18.8	23.0	23.7	23.0	22.3
92.5°	12.3	17.3	20.3	25.1	31.7	47.4	69.6	89.3	90.6	76.5	60.8
95°	27.2	34.2	40.4	51.5	68.3	100.4	161.0	241.9	273.2	239.1	182.6
97.5°	43.5	50.9	60.4	73.2	92.1	132.4	217.0	351.3	466.5	489.4	426.1
100°	55.7	62.1	73.2	87.1	106.6	143.6	228.6	379.2	550.6	651.0	636.4
102.5°	68.0	74.3	85.4	100.0	119.5	153.6	229.2	368.6	553.5	711.2	774.2
105°	87.8	92.7	103.2	118.5	138.0	170.8	232.8	347.9	516.5	702.0	846.9
107.5°	107.4	112.1	121.7	136.9	156.6	188.3	242.5	337.5	476.9	640.7	794.5
110°	121.3	125.5	134.6	149.2	169.4	200.0	250.2	335.3	458.0	602.3	749.3



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	133.6	138.3	146.8	160.9	181.6	211.2	258.6	335.8	445.7	575.5	708.1
115°	153.4	157.6	165.9	179.9	198.7	228.6	271.2	338.8	432.2	542.3	657.3
117.5°	172.5	176.6	184.0	197.4	217.0	244.7	284.5	343.8	425.6	521.4	619.1
120°	184.8	188.9	195.2	209.1	228.6	255.8	293.5	347.1	421.7	510.2	600.1
122.5°	195.9	200.0	206.9	220.8	240.9	266.4	301.3	351.1	419.5	500.8	585.1
125°	211.2	215.3	223.7	237.7	257.2	282.3	313.7	356.9	415.4	487.2	563.2
127.5°	224.2	230.1	239.2	252.6	272.7	297.1	325.2	362.9	413.0	474.7	541.6
130°	231.4	238.4	248.2	262.1	281.6	306.0	332.5	367.4	412.0	466.4	527.6
132.5°	238.7	246.2	256.5	271.0	290.5	313.8	339.7	371.8	411.4	459.7	514.2
135°	248.2	256.5	267.0	283.0	302.6	324.9	349.2	377.1	410.5	450.3	495.6
137.5°	258.2	266.5	277.7	293.6	311.7	333.8	356.5	381.8	410.5	443.7	480.7
140°	264.8	273.2	284.4	299.7	317.9	338.8	360.3	384.1	409.8	439.9	471.2
142.5°	271.6	279.4	290.5	305.3	322.4	342.7	363.7	385.8	409.8	436.0	463.4
145°	283.0	290.0	300.4	314.3	329.7	348.6	368.0	387.5	408.5	430.8	452.4
147.5°	294.0	300.7	310.3	321.9	335.6	353.3	370.4	388.2	406.0	425.5	443.9
150°	301.8	307.4	316.5	326.9	339.5	355.5	371.5	387.5	404.3	421.0	437.7
152.5°	308.5	314.1	322.0	331.9	343.4	357.8	372.1	386.5	401.5	417.1	431.6
155°	319.2	323.4	331.1	338.8	349.2	361.1	372.9	384.8	396.6	409.8	423.1
157.5°	328.4	331.8	338.5	344.6	353.4	363.5	372.9	381.6	391.6	403.1	413.2
160°	334.6	337.3	343.0	348.6	356.1	364.5	372.9	379.9	388.3	398.1	407.1
162.5°	339.6	342.4	346.9	351.9	357.8	365.2	372.4	378.3	385.5	393.5	400.9
165°	346.4	347.9	352.0	355.5	359.7	366.0	370.9	375.1	379.9	386.2	391.7
167.5°	352.1	353.4	356.1	358.6	361.2	365.8	369.9	371.8	375.1	378.9	383.0
170°	355.5	356.1	358.3	359.7	361.8	365.2	368.7	370.1	372.2	375.1	378.5
172.5°	358.3	357.8	360.0	360.8	362.3	364.7	367.0	367.9	368.9	371.1	373.4
175°	361.1	360.3	361.8	361.8	362.5	363.8	365.2	364.5	365.2	366.0	368.0
177.5°	361.9	361.3	362.5	362.5	362.5	363.0	364.2	363.0	362.5	363.0	364.2
180°	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8
2.5°	1762.5	1768.6	1771.4	1771.4	1774.8	1773.3	1771.9
5°	1863.8	1875.0	1877.3	1888.0	1895.7	1893.3	1894.5
7.5°	1964.4	1982.5	2000.4	2008.6	2009.8	2014.6	2016.3
10°	2026.4	2041.2	2069.0	2064.8	2085.6	2097.4	2077.9
12.5°	2086.1	2106.0	2125.4	2130.7	2142.4	2146.2	2138.5
15°	2140.0	2150.7	2151.9	2148.9	2152.4	2149.5	2138.2
17.5°	2089.6	2072.3	2037.3	2020.7	2007.6	1988.2	1980.4
20°	2006.3	1955.4	1896.2	1872.6	1844.8	1790.4	1803.4
22.5°	1826.5	1768.4	1709.3	1640.2	1607.2	1555.6	1552.5
25°	1546.6	1446.6	1336.6	1259.6	1214.7	1163.2	1140.7
27.5°	1202.5	1076.6	986.4	940.8	899.2	858.4	856.8
30°	976.2	881.5	811.7	772.7	747.3	730.1	733.7
32.5°	822.9	758.0	711.0	678.5	659.7	646.8	646.6
35°	672.7	628.3	598.2	584.5	571.0	561.5	562.0
37.5°	575.7	549.0	532.3	517.2	508.7	504.1	501.5
40°	526.0	504.1	491.1	482.2	475.1	468.6	467.4
42.5°	486.7	468.6	455.6	448.6	441.9	437.4	436.1
45°	431.9	417.1	405.3	397.6	394.7	390.5	390.5
47.5°	384.2	369.7	360.4	355.6	350.5	347.8	347.7
50°	352.0	340.8	332.5	329.6	325.4	323.6	323.1
52.5°	323.2	314.8	308.9	306.8	305.1	302.8	303.2
55°	284.0	279.3	276.9	275.1	272.2	268.6	271.0
57.5°	251.0	246.9	240.6	235.0	232.3	229.8	230.8
60°	227.8	219.5	211.2	204.7	203.0	197.6	197.6
62.5°	198.4	186.8	176.6	173.0	171.2	168.7	168.3
65°	152.7	147.9	145.5	143.2	142.0	142.0	140.8
67.5°	126.5	124.6	122.0	121.5	120.2	119.8	119.5
70°	111.8	109.4	108.3	107.7	106.5	107.1	105.3
72.5°	97.6	95.8	95.5	94.0	93.3	93.4	92.0
75°	77.0	77.0	76.3	75.7	74.5	73.9	74.5
77.5°	59.2	59.3	58.2	58.1	58.0	58.1	57.5
80°	47.3	47.9	47.3	46.7	46.2	46.7	46.2
82.5°	37.4	36.6	36.5	36.3	36.2	35.8	35.8
85°	21.3	21.8	21.3	20.7	20.7	20.7	21.3
87.5°	12.2	12.5	12.7	12.7	12.7	12.7	12.2
90°	21.0	22.3	23.0	23.0	23.0	23.0	23.0
92.5°	52.2	46.3	42.0	41.4	39.1	39.8	38.6
95°	140.1	110.8	95.5	86.4	80.9	78.7	79.5
97.5°	348.7	273.2	222.9	189.6	172.5	162.3	156.4
100°	550.0	454.5	370.1	312.3	282.3	262.1	249.5
102.5°	754.7	684.7	595.4	532.5	481.3	456.1	439.2
105°	925.7	934.8	911.8	868.5	825.3	795.3	785.6
107.5°	913.1	985.6	1019.4	1024.8	1022.4	1016.5	1003.4
110°	874.1	963.3	1020.5	1050.4	1063.7	1070.0	1069.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	827.8	923.2	988.7	1030.4	1052.6	1064.4	1068.2
115°	764.6	856.0	927.7	977.2	1009.3	1027.4	1033.8
117.5°	713.4	796.2	863.5	914.0	947.9	967.0	972.2
120°	686.6	760.5	823.9	872.7	905.4	925.7	932.6
122.5°	664.3	734.2	791.6	835.4	867.5	885.6	891.4
125°	635.0	696.3	748.6	789.1	815.6	832.9	838.6
127.5°	606.5	664.4	712.7	748.0	772.8	787.8	792.3
130°	587.6	642.7	688.7	722.8	746.5	760.5	766.1
132.5°	569.8	620.4	663.6	697.2	720.9	733.7	738.7
135°	541.6	587.6	626.6	656.7	679.7	692.1	695.0
137.5°	519.2	555.7	589.7	617.1	636.9	647.8	652.0
140°	504.7	536.7	567.4	589.7	607.8	618.3	622.5
142.5°	491.9	519.4	545.1	566.3	582.7	592.1	592.9
145°	475.4	497.0	517.2	534.0	545.8	552.8	554.8
147.5°	462.0	478.8	493.7	507.5	516.9	521.7	522.9
150°	453.1	467.7	480.3	490.7	499.1	503.3	504.0
152.5°	445.9	458.3	469.1	477.3	484.6	487.7	487.8
155°	434.3	444.7	452.4	460.0	464.9	467.7	466.4
157.5°	422.6	431.3	437.3	442.7	446.8	448.1	448.1
160°	414.7	422.4	427.3	432.2	435.7	436.3	436.3
162.5°	407.5	414.0	417.9	422.7	425.1	425.8	425.2
165°	396.6	401.5	404.3	407.1	409.8	409.8	409.2
167.5°	386.7	390.0	392.6	393.9	395.4	395.2	394.4
170°	380.6	383.3	384.8	385.5	387.5	386.8	385.5
172.5°	375.1	377.3	378.1	378.8	379.8	379.1	378.3
175°	368.7	369.4	370.1	370.1	370.9	370.1	368.7
177.5°	364.2	364.7	364.7	364.7	364.7	364.2	363.0
180°	362.5	362.5	362.5	362.5	362.5	362.5	362.5

(END OF REPORT)