

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: P331394-940

Luminaire Tested: **SA2XXDIP-C865D725U940-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P331394-940  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,  
Test Lab: INNOVATION CENTER  
Issue Date: 10/7/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: SA2XXDIP-C865D725U940-4F0-1E-UDD-A1  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 725 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5709.4 lumens  
Efficiency: N/A  
Efficacy: 105.0 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: General Diffuse

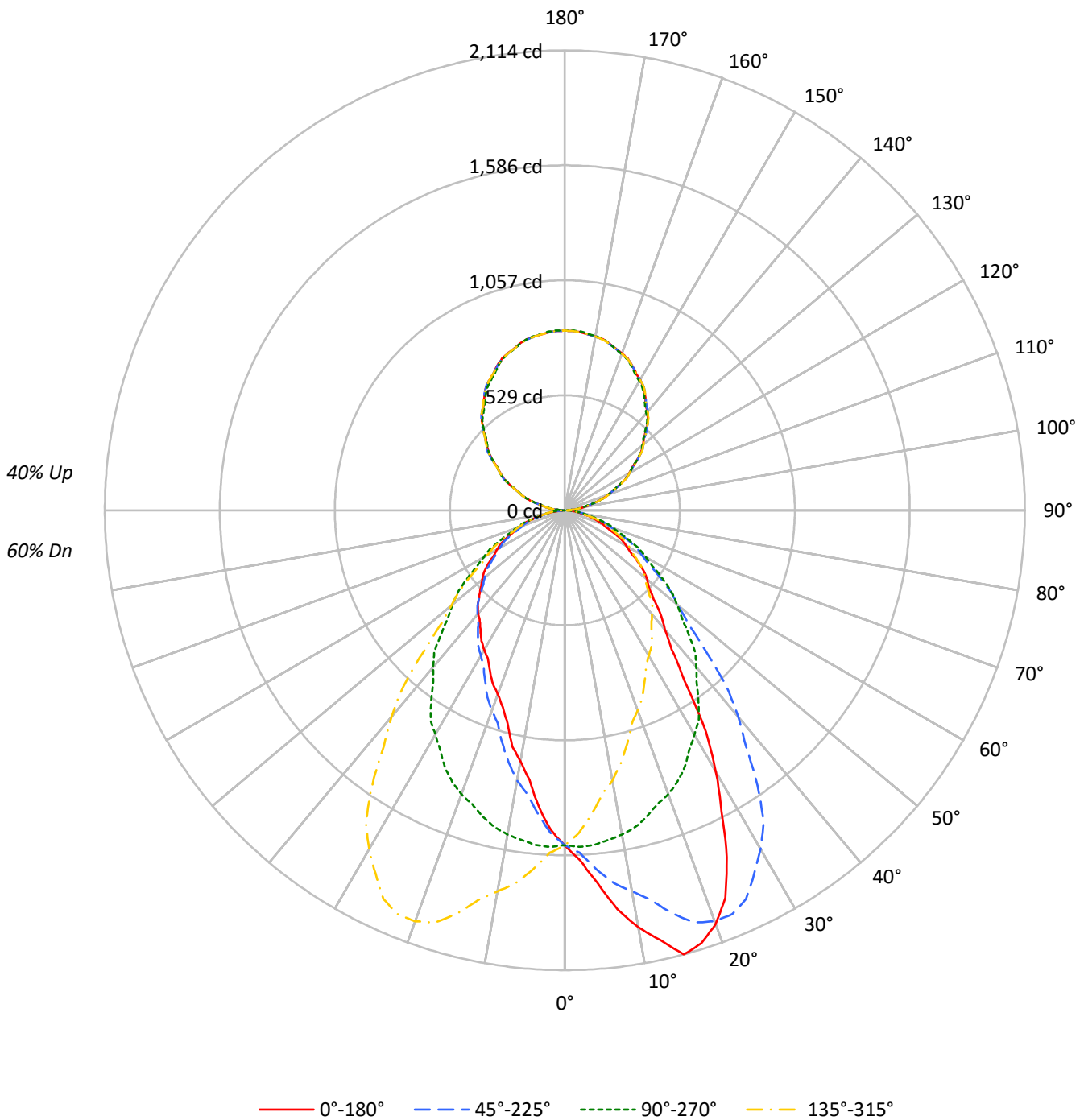
Input Watts (W): 54.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																		
0	109	109	109	109	102	102	102	102	89	89	89	76	76	76	65	65	65	60
1	100	96	93	89	94	90	87	84	79	76	74	68	66	65	58	57	56	51
2	92	85	79	74	86	79	74	70	70	66	62	60	57	55	52	50	48	44
3	84	75	68	62	79	70	64	59	62	57	53	54	50	47	47	44	41	38
4	77	67	59	53	72	63	56	51	55	50	46	48	44	41	42	39	36	33
5	71	60	52	46	67	56	49	44	50	44	40	44	39	36	38	35	32	29
6	66	54	46	40	62	51	44	39	45	39	35	40	35	32	35	31	28	26
7	61	49	41	36	57	46	39	34	41	35	31	36	32	28	32	28	26	23
8	57	45	37	32	53	42	35	31	38	32	28	34	29	26	30	26	23	21
9	53	41	34	29	50	39	32	27	35	29	25	31	26	23	27	24	21	19
10	50	38	31	26	47	36	29	25	32	27	23	29	24	21	25	22	19	17

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

	0°	90°	180°	270°
0°	24857	24857	24857	24857
5°	27869	25020	22172	25020
10°	31936	24815	19189	24815
15°	35328	24359	16951	24359
20°	34790	23871	15454	23871
25°	31370	23222	14503	23222
30°	25922	22184	13811	22184
35°	18892	21098	13318	21098
40°	15091	19816	13044	19816
45°	13186	18333	12673	18333
50°	12396	16900	12424	16900
55°	11426	15440	12090	15440
60°	10469	13892	11580	13892
65°	9540	12500	11075	12500
70°	8658	11146	10334	11146
75°	7679	9632	9158	9632
80°	6602	7978	7373	7978
85°	5910	5910	4372	5910



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	146.6	2.6
10°-20°	426.3	7.5
20°-30°	618.6	10.8
30°-40°	652.8	11.4
40°-50°	578.0	10.1
50°-60°	461.3	8.1
60°-70°	313.5	5.5
70°-80°	160.7	2.8
80°-90°	42.0	0.7
90°-100°	52.3	0.9
100°-110°	162.5	2.8
110°-120°	277.9	4.9
120°-130°	365.4	6.4
130°-140°	410.1	7.2
140°-150°	402.1	7.0
150°-160°	337.3	5.9
160°-170°	223.7	3.9
170°-180°	78.2	1.4
0°-30°	1191.5	20.9
0°-40°	1844.3	32.3
0°-60°	2883.6	50.5
0°-90°	3399.9	59.5
90°-120°	492.7	8.6
90°-150°	1670.3	29.3
90°-180°	2309.0	40.4
0°-180°	5709.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1540	1540	1540	1540	1540	
5°	1720	1544	1368	1544	1720	172
15°	2114	1457	1014	1457	2114	583
25°	1761	1304	814	1304	1761	796
35°	958	1070	676	1070	958	623
45°	578	803	555	803	578	454
55°	406	548	430	548	406	364
65°	250	327	290	327	250	248
75°	123	154	147	154	123	132
85°	32	32	24	32	32	36
90°	24	1	24	1	24	12
95°	43	36	43	36	43	48
105°	155	150	155	150	155	163
115°	279	279	279	279	279	275
125°	407	406	407	406	407	363
135°	531	525	531	525	531	409
145°	644	637	644	637	644	402
155°	734	728	734	728	734	338
165°	793	792	793	792	793	224
175°	822	825	822	825	822	78
180°	826	826	826	826	826	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5
2.5°	1610.6	1611.1	1612.0	1604.5	1603.5	1603.5	1596.9	1591.2	1584.6	1575.6	1576.5
5°	1719.5	1726.0	1728.3	1721.3	1710.6	1709.4	1699.3	1682.7	1667.4	1654.9	1646.1
7.5°	1849.4	1852.0	1846.2	1836.8	1828.9	1814.7	1796.0	1777.7	1752.0	1728.5	1710.9
10°	1947.9	1951.4	1941.3	1927.7	1916.5	1899.9	1872.7	1844.9	1811.2	1778.6	1752.6
12.5°	2022.7	2031.4	2018.5	2016.7	1997.4	1974.7	1942.3	1928.2	1880.8	1835.4	1807.5
15°	2113.5	2112.9	2114.2	2102.8	2088.7	2085.1	2050.8	2013.6	1946.7	1920.0	1873.9
17.5°	2087.2	2096.2	2100.4	2100.2	2099.9	2097.7	2086.7	2063.2	2029.6	1986.5	1933.1
20°	2024.8	2036.6	2038.4	2052.0	2059.7	2069.7	2073.9	2067.3	2046.7	2010.5	1964.4
22.5°	1928.2	1931.5	1937.1	1958.3	1975.0	2000.2	2013.3	2035.2	2027.2	2009.6	1971.0
25°	1760.9	1755.0	1775.7	1786.3	1824.8	1865.0	1894.0	1925.9	1954.4	1971.5	1960.2
27.5°	1560.0	1551.0	1582.1	1610.3	1641.6	1685.2	1730.4	1783.7	1828.1	1883.6	1902.6
30°	1390.4	1395.8	1425.4	1455.5	1502.9	1564.4	1615.3	1673.9	1737.2	1799.3	1842.5
32.5°	1207.7	1228.2	1247.0	1293.2	1334.9	1403.5	1478.0	1551.3	1630.2	1700.8	1767.7
35°	958.5	982.2	1008.3	1042.0	1100.5	1168.6	1241.4	1340.2	1447.9	1544.4	1623.6
37.5°	806.8	803.1	818.0	842.3	889.7	944.7	1028.5	1126.1	1252.9	1366.2	1478.0
40°	716.0	713.5	724.2	746.7	782.8	823.0	896.4	982.2	1099.9	1238.4	1371.5
42.5°	653.4	654.9	660.8	676.6	701.4	734.5	789.4	862.5	970.3	1100.6	1243.8
45°	577.5	581.7	588.2	595.8	610.0	637.2	668.0	720.1	805.3	914.2	1055.0
47.5°	522.8	522.9	529.6	536.3	544.7	560.1	585.1	617.9	678.0	766.6	887.7
50°	493.5	489.4	494.1	499.4	508.3	518.9	535.5	566.2	606.5	678.1	779.3
52.5°	457.5	457.6	461.9	463.9	471.8	482.5	497.6	518.9	555.4	611.4	694.6
55°	405.9	408.8	411.3	414.7	421.9	429.5	441.4	455.6	484.0	526.0	587.5
57.5°	357.4	358.3	360.7	367.5	371.9	379.1	390.3	403.1	421.6	452.7	499.0
60°	324.2	324.2	329.0	331.9	337.9	344.9	353.8	366.2	382.8	408.2	445.6
62.5°	294.0	293.5	295.3	300.2	304.7	311.4	320.2	330.7	346.3	369.0	399.7
65°	249.7	248.5	252.1	253.2	258.0	264.5	271.6	282.9	295.2	311.8	339.0
67.5°	207.1	208.5	210.4	212.7	215.3	222.1	226.9	234.8	245.3	259.0	277.5
70°	183.4	183.4	183.4	185.2	188.8	192.3	197.1	203.6	213.6	225.4	242.0
72.5°	156.9	158.8	160.7	159.6	164.2	166.3	171.9	175.6	185.2	192.8	207.4
75°	123.1	123.1	123.1	126.0	127.8	129.6	133.1	136.7	141.4	150.9	158.5
77.5°	91.8	91.6	92.2	92.9	94.8	96.9	98.0	101.2	105.6	109.9	116.5
80°	71.0	72.2	72.8	73.9	73.9	75.2	75.7	79.9	82.8	85.8	90.0
82.5°	54.9	55.1	55.3	55.5	56.0	56.7	58.2	59.6	60.5	63.0	66.3
85°	31.9	31.4	31.4	32.5	31.9	31.9	33.2	34.3	34.3	34.9	36.6
87.5°	17.0	17.0	17.5	16.9	16.9	17.4	17.5	17.0	17.6	18.1	17.9
90°	23.7	23.5	23.4	23.3	23.1	23.2	23.5	23.8	24.1	24.4	21.0
92.5°	22.6	22.6	22.6	22.5	22.5	22.4	22.4	22.3	22.2	22.2	21.4
95°	43.2	43.5	43.9	44.1	44.5	44.6	44.6	44.6	44.6	44.6	44.3
97.5°	74.8	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	74.4
100°	95.5	95.7	95.8	95.9	96.1	96.2	96.2	96.2	96.2	96.2	95.7
102.5°	118.9	119.0	119.2	119.4	119.5	119.6	119.4	119.3	119.1	119.0	118.4
105°	154.7	154.7	154.7	154.7	154.7	154.6	154.3	154.0	153.6	153.4	153.0
107.5°	188.5	189.2	189.9	190.6	191.4	191.6	191.5	191.4	191.3	191.1	191.1
110°	214.6	215.2	215.6	216.1	216.5	216.8	216.8	216.8	216.8	216.8	216.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	239.8	240.1	240.4	240.8	241.1	241.5	241.8	242.2	242.6	243.0	243.1
115°	278.8	279.3	279.7	280.2	280.6	281.0	281.2	281.2	281.4	281.6	281.9
117.5°	316.0	316.5	316.9	317.4	317.9	318.3	318.7	319.1	319.4	319.8	320.7
120°	342.2	342.7	343.1	343.6	344.1	344.3	344.3	344.3	344.3	344.3	345.5
122.5°	367.9	368.2	368.5	368.9	369.3	369.6	370.0	370.3	370.7	371.0	371.9
125°	407.1	407.2	407.3	407.5	407.7	408.0	408.4	408.9	409.4	409.8	410.3
127.5°	442.7	443.3	443.7	444.3	444.7	445.2	445.8	446.4	446.9	447.5	448.0
130°	468.4	469.0	469.7	470.2	470.8	471.4	471.6	472.0	472.3	472.6	472.9
132.5°	492.9	493.4	493.9	494.4	494.9	495.5	496.1	496.9	497.6	498.2	498.1
135°	531.1	531.5	532.1	532.5	533.0	533.2	533.4	533.6	533.8	533.9	533.6
137.5°	565.7	566.3	566.9	567.6	568.2	568.6	568.6	568.8	568.9	569.0	568.6
140°	589.7	590.3	590.9	591.6	592.1	592.5	592.5	592.5	592.5	592.5	591.7
142.5°	611.4	612.1	612.6	613.2	613.9	614.1	614.0	613.9	613.8	613.7	613.1
145°	644.0	644.6	645.2	645.9	646.5	646.8	646.6	646.4	646.3	646.1	645.2
147.5°	673.2	673.8	674.3	674.9	675.6	675.6	675.3	674.9	674.6	674.3	673.7
150°	692.1	692.6	693.0	693.5	694.0	694.0	693.5	693.0	692.6	692.1	691.5
152.5°	710.0	710.5	711.1	711.8	712.3	712.3	711.8	711.1	710.5	710.0	709.2
155°	734.0	734.4	734.9	735.3	735.8	735.7	734.9	734.1	733.3	732.5	732.1
157.5°	754.6	755.3	756.1	756.8	757.5	757.4	756.3	755.3	754.2	753.1	752.9
160°	767.4	768.0	768.7	769.3	769.9	769.7	768.8	767.9	767.0	766.0	765.9
162.5°	778.6	779.3	780.1	780.8	781.5	781.4	780.3	779.3	778.2	777.1	777.0
165°	793.2	794.0	794.7	795.5	796.3	796.1	795.0	794.0	792.9	791.8	791.8
167.5°	805.2	806.0	806.8	807.6	808.4	808.2	807.2	806.1	805.0	803.9	804.0
170°	811.3	812.3	813.2	814.1	815.0	814.9	813.9	812.8	811.7	810.6	810.7
172.5°	816.4	817.3	818.1	819.1	820.0	819.9	818.9	817.8	816.7	815.6	815.8
175°	821.8	822.7	823.6	824.6	825.5	825.4	824.3	823.2	822.2	821.1	821.4
177.5°	824.3	825.0	825.7	826.5	827.2	827.2	826.5	825.7	825.0	824.3	824.5
180°	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5
2.5°	1579.8	1576.0	1573.7	1565.1	1557.6	1550.0	1547.7	1548.5	1538.2	1528.2	1523.9
5°	1641.4	1629.5	1618.3	1602.3	1583.4	1562.6	1552.0	1543.7	1523.0	1500.6	1487.6
7.5°	1696.5	1679.5	1658.0	1627.9	1600.3	1567.7	1547.0	1528.7	1498.4	1466.7	1447.2
10°	1730.1	1707.0	1679.2	1642.5	1608.8	1569.1	1541.3	1513.6	1478.0	1440.2	1416.5
12.5°	1759.0	1727.9	1700.5	1653.4	1613.6	1564.0	1531.0	1491.7	1454.4	1409.4	1386.3
15°	1827.7	1770.3	1718.2	1665.0	1615.9	1546.7	1510.0	1457.3	1408.2	1352.6	1326.0
17.5°	1880.9	1816.4	1734.4	1666.7	1609.4	1532.8	1478.9	1415.8	1357.7	1294.1	1257.9
20°	1911.2	1837.2	1749.0	1668.6	1599.9	1512.3	1453.8	1389.3	1321.2	1249.6	1210.6
22.5°	1929.1	1851.4	1764.2	1661.4	1581.0	1495.8	1422.1	1351.4	1282.5	1205.1	1164.2
25°	1934.8	1863.9	1771.6	1655.6	1557.4	1460.9	1372.2	1303.5	1220.0	1147.9	1088.2
27.5°	1906.7	1855.7	1767.0	1644.4	1530.0	1417.2	1318.3	1240.5	1152.5	1074.2	1014.1
30°	1872.1	1842.5	1756.1	1633.1	1508.2	1387.0	1278.1	1189.9	1102.3	1023.1	961.5
32.5°	1818.6	1812.2	1736.3	1616.9	1485.1	1348.6	1235.9	1146.8	1049.8	971.9	913.2
35°	1713.5	1742.0	1694.0	1581.0	1441.4	1294.1	1172.2	1070.4	969.8	895.2	840.2
37.5°	1572.7	1643.2	1630.7	1528.3	1382.4	1234.7	1100.1	993.7	897.9	822.6	768.6
40°	1475.7	1565.6	1578.6	1488.1	1340.8	1188.7	1046.2	940.2	846.7	778.1	723.6
42.5°	1371.5	1476.6	1512.3	1439.8	1295.3	1140.4	997.8	888.1	795.6	728.9	680.6
45°	1197.0	1336.1	1400.5	1359.1	1219.5	1060.9	914.2	802.9	718.9	656.2	618.9
47.5°	1033.8	1185.7	1272.5	1257.8	1135.1	978.0	832.9	726.2	644.4	594.4	561.1
50°	918.3	1074.5	1179.2	1184.0	1074.5	918.9	773.4	672.8	597.6	550.9	523.6
52.5°	818.0	967.1	1081.3	1106.3	1006.8	857.4	719.9	619.7	553.6	510.6	486.2
55°	687.0	813.0	939.6	985.8	905.9	763.8	636.7	548.5	486.3	456.8	435.5
57.5°	571.1	676.2	793.1	844.1	794.9	673.3	554.0	477.5	427.0	401.2	384.9
60°	510.1	592.9	697.1	758.0	715.3	607.1	502.9	430.2	388.8	365.7	350.3
62.5°	453.3	526.6	614.7	670.4	647.2	545.1	451.8	387.5	351.8	330.2	319.1
65°	374.0	431.9	500.0	551.4	536.1	458.5	382.3	327.2	298.8	281.6	272.8
67.5°	307.9	349.8	397.0	442.1	429.7	374.8	313.4	270.6	249.5	234.7	229.3
70°	266.3	298.2	340.2	376.3	366.2	321.3	272.8	236.1	217.8	205.4	200.0
72.5°	226.5	252.8	284.8	314.3	307.6	270.2	229.7	202.0	187.9	176.5	172.1
75°	171.0	191.1	210.6	230.2	228.4	199.4	175.8	154.4	143.2	134.3	132.5
77.5°	126.3	137.5	150.8	162.4	159.2	142.6	124.0	111.8	103.5	97.6	96.7
80°	96.5	103.0	112.4	120.7	116.5	109.5	94.7	85.8	79.9	73.9	71.6
82.5°	69.9	76.4	82.1	86.6	83.5	76.8	67.7	61.6	58.1	54.0	53.1
85°	36.6	40.2	42.6	43.8	42.6	38.4	34.3	31.9	29.0	27.2	26.7
87.5°	17.7	17.0	16.3	16.8	15.0	14.6	12.3	10.5	10.4	10.3	9.8
90°	17.6	14.2	10.8	8.1	6.2	4.5	2.6	0.7	2.6	4.5	6.2
92.5°	20.5	19.7	18.9	17.8	16.5	15.2	13.7	12.4	13.7	15.2	16.5
95°	44.0	43.7	43.3	42.4	40.9	39.3	37.8	36.2	37.8	39.3	40.9
97.5°	73.8	73.2	72.7	71.7	70.3	68.9	67.6	66.3	67.6	68.9	70.3
100°	95.2	94.8	94.3	93.5	92.2	91.0	89.8	88.5	89.8	91.0	92.2
102.5°	117.9	117.3	116.7	115.9	114.9	114.0	112.9	111.9	112.9	114.0	114.9
105°	152.8	152.4	152.1	151.7	151.2	150.8	150.3	149.9	150.3	150.8	151.2
107.5°	191.1	191.1	191.1	190.7	190.1	189.4	188.8	188.1	188.8	189.4	190.1
110°	216.8	216.8	216.8	216.3	215.3	214.5	213.5	212.6	213.5	214.5	215.3





TEST NUMBER: P331394-940

CATALOG NUMBER: SA2XXDIP-C865D725U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	243.3	243.3	243.4	243.1	242.1	241.2	240.3	239.3	240.3	241.2	242.1
115°	282.2	282.5	282.9	282.5	281.6	280.6	279.7	278.8	279.7	280.6	281.6
117.5°	321.6	322.4	323.2	323.1	321.8	320.6	319.3	318.1	319.3	320.6	321.8
120°	346.8	348.0	349.3	349.3	348.0	346.8	345.5	344.3	345.5	346.8	348.0
122.5°	372.8	373.7	374.5	374.3	372.7	371.3	369.8	368.3	369.8	371.3	372.7
125°	410.7	411.3	411.7	411.3	409.8	408.4	407.1	405.6	407.1	408.4	409.8
127.5°	448.6	449.2	449.7	449.1	447.4	445.6	443.8	442.0	443.8	445.6	447.4
130°	473.1	473.5	473.8	473.0	470.9	469.0	466.9	464.9	466.9	469.0	470.9
132.5°	498.1	498.0	497.9	497.1	495.4	493.8	492.2	490.5	492.2	493.8	495.4
135°	533.2	533.0	532.6	531.6	529.9	528.2	526.6	524.9	526.6	528.2	529.9
137.5°	568.2	567.8	567.4	566.5	565.2	563.7	562.3	561.0	562.3	563.7	565.2
140°	590.9	590.1	589.3	588.3	586.8	585.5	584.1	582.7	584.1	585.5	586.8
142.5°	612.6	612.1	611.5	610.6	609.2	607.8	606.4	605.0	606.4	607.8	609.2
145°	644.3	643.4	642.4	641.4	640.3	639.3	638.1	637.0	638.1	639.3	640.3
147.5°	673.1	672.4	671.8	670.8	669.5	668.2	666.9	665.7	666.9	668.2	669.5
150°	690.9	690.3	689.6	688.8	688.0	687.0	686.1	685.2	686.1	687.0	688.0
152.5°	708.5	707.8	706.9	706.1	705.3	704.3	703.4	702.4	703.4	704.3	705.3
155°	731.6	731.1	730.7	730.2	729.8	729.3	728.8	728.3	728.8	729.3	729.8
157.5°	752.6	752.3	752.1	751.8	751.4	751.2	750.8	750.6	750.8	751.2	751.4
160°	765.7	765.5	765.4	765.2	764.8	764.6	764.2	763.9	764.2	764.6	764.8
162.5°	776.9	776.7	776.5	776.4	776.3	776.3	776.2	776.1	776.2	776.3	776.3
165°	791.8	791.8	791.8	791.8	792.0	792.2	792.4	792.5	792.4	792.2	792.0
167.5°	804.0	804.1	804.1	804.3	804.8	805.2	805.7	806.1	805.7	805.2	804.8
170°	810.9	811.1	811.2	811.5	812.0	812.4	813.0	813.4	813.0	812.4	812.0
172.5°	815.9	816.1	816.3	816.5	817.0	817.5	818.0	818.4	818.0	817.5	817.0
175°	821.7	822.0	822.3	822.7	823.1	823.6	824.1	824.6	824.1	823.6	823.1
177.5°	824.7	825.0	825.3	825.5	825.9	826.3	826.7	827.1	826.7	826.3	825.9
180°	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9



TEST NUMBER: P331394-940

CATALOG NUMBER: SA2XXDIP-C865D725U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5
2.5°	1519.2	1516.4	1506.5	1501.3	1492.7	1484.7	1479.4	1481.8	1483.7	1482.7	1481.4
5°	1475.7	1464.5	1447.2	1432.4	1421.8	1402.3	1394.0	1389.9	1386.3	1382.2	1378.0
7.5°	1423.9	1406.1	1381.4	1360.4	1340.5	1316.3	1302.4	1294.1	1285.7	1276.3	1268.0
10°	1387.0	1362.1	1336.1	1306.4	1282.8	1260.9	1241.4	1228.3	1216.6	1205.2	1197.0
12.5°	1348.1	1319.5	1287.3	1246.8	1220.8	1189.5	1186.4	1163.5	1145.0	1138.1	1128.4
15°	1286.4	1246.1	1205.2	1157.4	1136.7	1108.2	1090.5	1072.7	1056.8	1045.5	1042.6
17.5°	1216.2	1164.1	1123.5	1089.0	1055.1	1026.0	1009.7	995.5	982.3	967.3	965.3
20°	1162.7	1117.7	1073.4	1043.1	1008.3	978.7	958.5	944.3	933.1	924.3	916.5
22.5°	1112.1	1062.8	1022.2	989.2	954.8	930.9	915.0	901.3	891.9	882.1	874.9
25°	1030.7	992.3	947.9	910.6	882.2	866.8	853.8	842.0	836.1	829.6	821.3
27.5°	959.6	916.9	875.4	846.5	821.5	807.9	798.7	790.6	785.1	781.2	776.5
30°	909.5	866.2	833.7	805.3	784.6	771.0	765.1	760.4	753.9	751.4	749.1
32.5°	861.1	822.2	794.4	769.8	750.0	741.2	735.8	731.5	726.4	724.0	719.3
35°	792.9	760.4	733.1	719.5	703.6	695.8	691.7	685.8	681.0	678.7	678.1
37.5°	728.6	700.3	682.4	664.9	658.2	653.4	647.8	643.7	642.3	641.9	641.4
40°	687.0	663.9	647.9	633.7	630.7	623.7	618.9	615.4	615.4	616.0	615.4
42.5°	649.1	628.4	614.3	602.0	598.5	594.3	589.6	589.3	590.3	592.3	590.3
45°	591.7	576.9	566.9	560.9	554.4	550.3	549.7	551.4	552.1	552.7	554.4
47.5°	539.0	529.1	520.0	513.4	510.6	509.9	509.2	512.3	515.1	516.2	518.9
50°	507.7	496.4	488.7	484.6	482.2	481.1	482.2	485.8	488.1	491.1	492.8
52.5°	472.6	464.7	459.4	456.2	455.2	455.9	456.2	460.2	464.0	465.0	465.9
55°	424.3	418.3	417.1	411.8	414.2	413.6	416.5	418.9	422.5	426.1	426.6
57.5°	375.9	371.2	368.0	368.5	369.3	371.8	374.3	378.4	382.3	386.0	386.4
60°	343.8	341.4	339.7	339.7	340.8	344.4	347.3	351.4	353.8	356.2	357.9
62.5°	314.4	312.1	310.3	311.2	314.3	316.5	319.9	322.1	324.5	326.8	327.7
65°	268.0	266.9	268.7	269.8	270.4	273.4	277.5	279.3	281.6	282.9	287.0
67.5°	225.3	225.5	225.3	226.9	230.4	231.1	235.1	239.2	239.6	241.9	244.6
70°	196.4	197.6	198.9	200.0	203.0	204.1	207.1	208.8	211.2	213.0	214.8
72.5°	170.0	170.1	171.4	171.1	173.6	176.2	178.7	180.5	182.8	185.1	186.8
75°	130.7	130.7	132.0	132.5	135.5	138.5	137.9	139.0	141.4	143.7	145.0
77.5°	95.5	94.2	95.5	96.1	97.0	99.5	100.0	101.7	104.3	103.5	104.9
80°	72.8	71.0	72.8	73.4	73.4	76.3	76.3	77.5	79.3	77.5	79.3
82.5°	52.0	51.1	52.4	52.5	53.5	53.6	54.6	54.8	56.5	55.7	56.5
85°	26.0	25.4	26.0	25.4	26.0	26.7	26.7	26.0	26.0	27.2	25.4
87.5°	9.6	9.7	9.9	10.6	10.8	11.1	10.5	10.4	10.3	9.4	9.4
90°	8.1	10.8	14.2	17.6	21.0	24.4	24.1	23.8	23.5	23.2	23.1
92.5°	17.8	18.9	19.7	20.5	21.4	22.2	22.2	22.3	22.4	22.4	22.5
95°	42.4	43.3	43.7	44.0	44.3	44.6	44.6	44.6	44.6	44.6	44.5
97.5°	71.7	72.7	73.2	73.8	74.4	75.0	75.0	75.0	75.0	75.0	75.0
100°	93.5	94.3	94.8	95.2	95.7	96.2	96.2	96.2	96.2	96.2	96.1
102.5°	115.9	116.7	117.3	117.9	118.4	119.0	119.1	119.3	119.4	119.6	119.5
105°	151.7	152.1	152.4	152.8	153.0	153.4	153.6	154.0	154.3	154.6	154.7
107.5°	190.7	191.1	191.1	191.1	191.1	191.1	191.3	191.4	191.5	191.6	191.4
110°	216.3	216.8	216.8	216.8	216.8	216.8	216.8	216.8	216.8	216.8	216.5



TEST NUMBER: P331394-940

CATALOG NUMBER: SA2XXDIP-C865D725U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	243.1	243.4	243.3	243.3	243.1	243.0	242.6	242.2	241.8	241.5	241.1
115°	282.5	282.9	282.5	282.2	281.9	281.6	281.4	281.2	281.2	281.0	280.6
117.5°	323.1	323.2	322.4	321.6	320.7	319.8	319.4	319.1	318.7	318.3	317.9
120°	349.3	349.3	348.0	346.8	345.5	344.3	344.3	344.3	344.3	344.3	344.1
122.5°	374.3	374.5	373.7	372.8	371.9	371.0	370.7	370.3	370.0	369.6	369.3
125°	411.3	411.7	411.3	410.7	410.3	409.8	409.4	408.9	408.4	408.0	407.7
127.5°	449.1	449.7	449.2	448.6	448.0	447.5	446.9	446.4	445.8	445.2	444.7
130°	473.0	473.8	473.5	473.1	472.9	472.6	472.3	472.0	471.6	471.4	470.8
132.5°	497.1	497.9	498.0	498.1	498.1	498.2	497.6	496.9	496.1	495.5	494.9
135°	531.6	532.6	533.0	533.2	533.6	533.9	533.8	533.6	533.4	533.2	533.0
137.5°	566.5	567.4	567.8	568.2	568.6	569.0	568.9	568.8	568.6	568.6	568.2
140°	588.3	589.3	590.1	590.9	591.7	592.5	592.5	592.5	592.5	592.5	592.1
142.5°	610.6	611.5	612.1	612.6	613.1	613.7	613.8	613.9	614.0	614.1	613.9
145°	641.4	642.4	643.4	644.3	645.2	646.1	646.3	646.4	646.6	646.8	646.5
147.5°	670.8	671.8	672.4	673.1	673.7	674.3	674.6	674.9	675.3	675.6	675.6
150°	688.8	689.6	690.3	690.9	691.5	692.1	692.6	693.0	693.5	694.0	694.0
152.5°	706.1	706.9	707.8	708.5	709.2	710.0	710.5	711.1	711.8	712.3	712.3
155°	730.2	730.7	731.1	731.6	732.1	732.5	733.3	734.1	734.9	735.7	735.8
157.5°	751.8	752.1	752.3	752.6	752.9	753.1	754.2	755.3	756.3	757.4	757.5
160°	765.2	765.4	765.5	765.7	765.9	766.0	767.0	767.9	768.8	769.7	769.9
162.5°	776.4	776.5	776.7	776.9	777.0	777.1	778.2	779.3	780.3	781.4	781.5
165°	791.8	791.8	791.8	791.8	791.8	791.8	792.9	794.0	795.0	796.1	796.3
167.5°	804.3	804.1	804.1	804.0	804.0	803.9	805.0	806.1	807.2	808.2	808.4
170°	811.5	811.2	811.1	810.9	810.7	810.6	811.7	812.8	813.9	814.9	815.0
172.5°	816.5	816.3	816.1	815.9	815.8	815.6	816.7	817.8	818.9	819.9	820.0
175°	822.7	822.3	822.0	821.7	821.4	821.1	822.2	823.2	824.3	825.4	825.5
177.5°	825.5	825.3	825.0	824.7	824.5	824.3	825.0	825.7	826.5	827.2	827.2
180°	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9



TEST NUMBER: P331394-940  
 CATALOG NUMBER: SA2XXDIP-C865D725U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5
2.5°	1476.6	1475.7	1475.7	1471.4	1475.7	1475.7	1476.6	1481.4	1482.7	1483.7	1481.8
5°	1369.8	1368.0	1365.0	1368.0	1365.0	1368.0	1369.8	1378.0	1382.2	1386.3	1389.9
7.5°	1264.1	1257.0	1255.9	1248.9	1255.9	1257.0	1264.1	1268.0	1276.3	1285.7	1294.1
10°	1187.0	1182.2	1181.6	1170.4	1181.6	1182.2	1187.0	1197.0	1205.2	1216.6	1228.3
12.5°	1128.3	1116.9	1119.1	1112.6	1119.1	1116.9	1128.3	1128.4	1138.1	1145.0	1163.5
15°	1026.6	1026.6	1024.2	1014.1	1024.2	1026.6	1026.6	1042.6	1045.5	1056.8	1072.7
17.5°	953.6	952.3	946.7	949.6	946.7	952.3	953.6	965.3	967.3	982.3	995.5
20°	910.0	906.5	899.4	899.4	899.4	906.5	910.0	916.5	924.3	933.1	944.3
22.5°	868.9	868.6	861.0	863.4	861.0	868.6	868.9	874.9	882.1	891.9	901.3
25°	820.6	815.9	812.4	814.1	812.4	815.9	820.6	821.3	829.6	836.1	842.0
27.5°	775.0	772.4	772.1	767.3	772.1	772.4	775.0	776.5	781.2	785.1	790.6
30°	748.5	742.6	743.8	740.8	743.8	742.6	748.5	749.1	751.4	753.9	760.4
32.5°	718.2	716.0	714.9	712.4	714.9	716.0	718.2	719.3	724.0	726.4	731.5
35°	676.9	677.5	674.5	675.7	674.5	677.5	676.9	678.1	678.7	681.0	685.8
37.5°	640.8	642.7	641.3	641.7	641.3	642.7	640.8	641.4	641.9	642.3	643.7
40°	617.2	617.2	617.2	618.9	617.2	617.2	617.2	615.4	616.0	615.4	615.4
42.5°	594.4	593.4	592.5	592.4	592.5	593.4	594.4	590.3	592.3	590.3	589.3
45°	555.6	557.4	557.9	555.0	557.9	557.4	555.6	554.4	552.7	552.1	551.4
47.5°	520.5	520.7	520.5	523.1	520.5	520.7	520.5	518.9	516.2	515.1	512.3
50°	495.9	494.6	495.9	494.6	495.9	494.6	495.9	492.8	491.1	488.1	485.8
52.5°	469.8	470.0	469.3	469.1	469.3	470.0	469.8	465.9	465.0	464.0	460.2
55°	429.0	430.2	429.5	429.5	429.5	430.2	429.0	426.6	426.1	422.5	418.9
57.5°	386.7	387.8	388.6	386.0	388.6	387.8	386.7	386.4	386.0	382.3	378.4
60°	357.4	360.3	359.7	358.6	359.7	360.3	357.4	357.9	356.2	353.8	351.4
62.5°	330.4	331.4	331.4	331.1	331.4	331.4	330.4	327.7	326.8	324.5	322.1
65°	288.7	289.9	288.1	289.9	288.1	289.9	288.7	287.0	282.9	281.6	279.3
67.5°	243.9	244.2	245.6	246.4	245.6	244.2	243.9	244.6	241.9	239.6	239.2
70°	216.0	215.3	217.1	218.9	217.1	215.3	216.0	214.8	213.0	211.2	208.8
72.5°	186.6	187.9	187.3	188.6	187.3	187.9	186.6	186.8	185.1	182.8	180.5
75°	143.7	145.5	145.0	146.8	145.0	145.5	143.7	145.0	143.7	141.4	139.0
77.5°	103.9	104.2	103.9	104.9	103.9	104.2	103.9	104.9	103.5	104.3	101.7
80°	79.3	78.1	77.0	79.3	77.0	78.1	79.3	79.3	77.5	79.3	77.5
82.5°	55.1	55.8	54.7	54.7	54.7	55.8	55.1	56.5	55.7	56.5	54.8
85°	25.4	24.9	23.6	23.6	23.6	24.9	25.4	25.4	27.2	26.0	26.0
87.5°	9.4	8.9	9.0	8.6	9.0	8.9	9.4	9.4	9.4	10.3	10.4
90°	23.3	23.4	23.5	23.7	23.5	23.4	23.3	23.1	23.2	23.5	23.8
92.5°	22.5	22.6	22.6	22.6	22.6	22.6	22.5	22.5	22.4	22.4	22.3
95°	44.1	43.9	43.5	43.2	43.5	43.9	44.1	44.5	44.6	44.6	44.6
97.5°	75.0	74.9	74.9	74.8	74.9	74.9	75.0	75.0	75.0	75.0	75.0
100°	95.9	95.8	95.7	95.5	95.7	95.8	95.9	96.1	96.2	96.2	96.2
102.5°	119.4	119.2	119.0	118.9	119.0	119.2	119.4	119.5	119.6	119.4	119.3
105°	154.7	154.7	154.7	154.7	154.7	154.7	154.7	154.7	154.6	154.3	154.0
107.5°	190.6	189.9	189.2	188.5	189.2	189.9	190.6	191.4	191.6	191.5	191.4
110°	216.1	215.6	215.2	214.6	215.2	215.6	216.1	216.5	216.8	216.8	216.8



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	240.8	240.4	240.1	239.8	240.1	240.4	240.8	241.1	241.5	241.8	242.2
115°	280.2	279.7	279.3	278.8	279.3	279.7	280.2	280.6	281.0	281.2	281.2
117.5°	317.4	316.9	316.5	316.0	316.5	316.9	317.4	317.9	318.3	318.7	319.1
120°	343.6	343.1	342.7	342.2	342.7	343.1	343.6	344.1	344.3	344.3	344.3
122.5°	368.9	368.5	368.2	367.9	368.2	368.5	368.9	369.3	369.6	370.0	370.3
125°	407.5	407.3	407.2	407.1	407.2	407.3	407.5	407.7	408.0	408.4	408.9
127.5°	444.3	443.7	443.3	442.7	443.3	443.7	444.3	444.7	445.2	445.8	446.4
130°	470.2	469.7	469.0	468.4	469.0	469.7	470.2	470.8	471.4	471.6	472.0
132.5°	494.4	493.9	493.4	492.9	493.4	493.9	494.4	494.9	495.5	496.1	496.9
135°	532.5	532.1	531.5	531.1	531.5	532.1	532.5	533.0	533.2	533.4	533.6
137.5°	567.6	566.9	566.3	565.7	566.3	566.9	567.6	568.2	568.6	568.6	568.8
140°	591.6	590.9	590.3	589.7	590.3	590.9	591.6	592.1	592.5	592.5	592.5
142.5°	613.2	612.6	612.1	611.4	612.1	612.6	613.2	613.9	614.1	614.0	613.9
145°	645.9	645.2	644.6	644.0	644.6	645.2	645.9	646.5	646.8	646.6	646.4
147.5°	674.9	674.3	673.8	673.2	673.8	674.3	674.9	675.6	675.6	675.3	674.9
150°	693.5	693.0	692.6	692.1	692.6	693.0	693.5	694.0	694.0	693.5	693.0
152.5°	711.8	711.1	710.5	710.0	710.5	711.1	711.8	712.3	712.3	711.8	711.1
155°	735.3	734.9	734.4	734.0	734.4	734.9	735.3	735.8	735.7	734.9	734.1
157.5°	756.8	756.1	755.3	754.6	755.3	756.1	756.8	757.5	757.4	756.3	755.3
160°	769.3	768.7	768.0	767.4	768.0	768.7	769.3	769.9	769.7	768.8	767.9
162.5°	780.8	780.1	779.3	778.6	779.3	780.1	780.8	781.5	781.4	780.3	779.3
165°	795.5	794.7	794.0	793.2	794.0	794.7	795.5	796.3	796.1	795.0	794.0
167.5°	807.6	806.8	806.0	805.2	806.0	806.8	807.6	808.4	808.2	807.2	806.1
170°	814.1	813.2	812.3	811.3	812.3	813.2	814.1	815.0	814.9	813.9	812.8
172.5°	819.1	818.1	817.3	816.4	817.3	818.1	819.1	820.0	819.9	818.9	817.8
175°	824.6	823.6	822.7	821.8	822.7	823.6	824.6	825.5	825.4	824.3	823.2
177.5°	826.5	825.7	825.0	824.3	825.0	825.7	826.5	827.2	827.2	826.5	825.7
180°	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9



TEST NUMBER: P331394-940

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5
2.5°	1479.4	1484.7	1492.7	1501.3	1506.5	1516.4	1519.2	1523.9	1528.2	1538.2	1548.5
5°	1394.0	1402.3	1421.8	1432.4	1447.2	1464.5	1475.7	1487.6	1500.6	1523.0	1543.7
7.5°	1302.4	1316.3	1340.5	1360.4	1381.4	1406.1	1423.9	1447.2	1466.7	1498.4	1528.7
10°	1241.4	1260.9	1282.8	1306.4	1336.1	1362.1	1387.0	1416.5	1440.2	1478.0	1513.6
12.5°	1186.4	1189.5	1220.8	1246.8	1287.3	1319.5	1348.1	1386.3	1409.4	1454.4	1491.7
15°	1090.5	1108.2	1136.7	1157.4	1205.2	1246.1	1286.4	1326.0	1352.6	1408.2	1457.3
17.5°	1009.7	1026.0	1055.1	1089.0	1123.5	1164.1	1216.2	1257.9	1294.1	1357.7	1415.8
20°	958.5	978.7	1008.3	1043.1	1073.4	1117.7	1162.7	1210.6	1249.6	1321.2	1389.3
22.5°	915.0	930.9	954.8	989.2	1022.2	1062.8	1112.1	1164.2	1205.1	1282.5	1351.4
25°	853.8	866.8	882.2	910.6	947.9	992.3	1030.7	1088.2	1147.9	1220.0	1303.5
27.5°	798.7	807.9	821.5	846.5	875.4	916.9	959.6	1014.1	1074.2	1152.5	1240.5
30°	765.1	771.0	784.6	805.3	833.7	866.2	909.5	961.5	1023.1	1102.3	1189.9
32.5°	735.8	741.2	750.0	769.8	794.4	822.2	861.1	913.2	971.9	1049.8	1146.8
35°	691.7	695.8	703.6	719.5	733.1	760.4	792.9	840.2	895.2	969.8	1070.4
37.5°	647.8	653.4	658.2	664.9	682.4	700.3	728.6	768.6	822.6	897.9	993.7
40°	618.9	623.7	630.7	633.7	647.9	663.9	687.0	723.6	778.1	846.7	940.2
42.5°	589.6	594.3	598.5	602.0	614.3	628.4	649.1	680.6	728.9	795.6	888.1
45°	549.7	550.3	554.4	560.9	566.9	576.9	591.7	618.9	656.2	718.9	802.9
47.5°	509.2	509.9	510.6	513.4	520.0	529.1	539.0	561.1	594.4	644.4	726.2
50°	482.2	481.1	482.2	484.6	488.7	496.4	507.7	523.6	550.9	597.6	672.8
52.5°	456.2	455.9	455.2	456.2	459.4	464.7	472.6	486.2	510.6	553.6	619.7
55°	416.5	413.6	414.2	411.8	417.1	418.3	424.3	435.5	456.8	486.3	548.5
57.5°	374.3	371.8	369.3	368.5	368.0	371.2	375.9	384.9	401.2	427.0	477.5
60°	347.3	344.4	340.8	339.7	339.7	341.4	343.8	350.3	365.7	388.8	430.2
62.5°	319.9	316.5	314.3	311.2	310.3	312.1	314.4	319.1	330.2	351.8	387.5
65°	277.5	273.4	270.4	269.8	268.7	266.9	268.0	272.8	281.6	298.8	327.2
67.5°	235.1	231.1	230.4	226.9	225.3	225.5	225.3	229.3	234.7	249.5	270.6
70°	207.1	204.1	203.0	200.0	198.9	197.6	196.4	200.0	205.4	217.8	236.1
72.5°	178.7	176.2	173.6	171.1	171.4	170.1	170.0	172.1	176.5	187.9	202.0
75°	137.9	138.5	135.5	132.5	132.0	130.7	130.7	132.5	134.3	143.2	154.4
77.5°	100.0	99.5	97.0	96.1	95.5	94.2	95.5	96.7	97.6	103.5	111.8
80°	76.3	76.3	73.4	73.4	72.8	71.0	72.8	71.6	73.9	79.9	85.8
82.5°	54.6	53.6	53.5	52.5	52.4	51.1	52.0	53.1	54.0	58.1	61.6
85°	26.7	26.7	26.0	25.4	26.0	25.4	26.0	26.7	27.2	29.0	31.9
87.5°	10.5	11.1	10.8	10.6	9.9	9.7	9.6	9.8	10.3	10.4	10.5
90°	24.1	24.4	21.0	17.6	14.2	10.8	8.1	6.2	4.5	2.6	0.7
92.5°	22.2	22.2	21.4	20.5	19.7	18.9	17.8	16.5	15.2	13.7	12.4
95°	44.6	44.6	44.3	44.0	43.7	43.3	42.4	40.9	39.3	37.8	36.2
97.5°	75.0	75.0	74.4	73.8	73.2	72.7	71.7	70.3	68.9	67.6	66.3
100°	96.2	96.2	95.7	95.2	94.8	94.3	93.5	92.2	91.0	89.8	88.5
102.5°	119.1	119.0	118.4	117.9	117.3	116.7	115.9	114.9	114.0	112.9	111.9
105°	153.6	153.4	153.0	152.8	152.4	152.1	151.7	151.2	150.8	150.3	149.9
107.5°	191.3	191.1	191.1	191.1	191.1	191.1	190.7	190.1	189.4	188.8	188.1
110°	216.8	216.8	216.8	216.8	216.8	216.8	216.3	215.3	214.5	213.5	212.6



TEST NUMBER: P331394-940

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	242.6	243.0	243.1	243.3	243.3	243.4	243.1	242.1	241.2	240.3	239.3
115°	281.4	281.6	281.9	282.2	282.5	282.9	282.5	281.6	280.6	279.7	278.8
117.5°	319.4	319.8	320.7	321.6	322.4	323.2	323.1	321.8	320.6	319.3	318.1
120°	344.3	344.3	345.5	346.8	348.0	349.3	349.3	348.0	346.8	345.5	344.3
122.5°	370.7	371.0	371.9	372.8	373.7	374.5	374.3	372.7	371.3	369.8	368.3
125°	409.4	409.8	410.3	410.7	411.3	411.7	411.3	409.8	408.4	407.1	405.6
127.5°	446.9	447.5	448.0	448.6	449.2	449.7	449.1	447.4	445.6	443.8	442.0
130°	472.3	472.6	472.9	473.1	473.5	473.8	473.0	470.9	469.0	466.9	464.9
132.5°	497.6	498.2	498.1	498.1	498.0	497.9	497.1	495.4	493.8	492.2	490.5
135°	533.8	533.9	533.6	533.2	533.0	532.6	531.6	529.9	528.2	526.6	524.9
137.5°	568.9	569.0	568.6	568.2	567.8	567.4	566.5	565.2	563.7	562.3	561.0
140°	592.5	592.5	591.7	590.9	590.1	589.3	588.3	586.8	585.5	584.1	582.7
142.5°	613.8	613.7	613.1	612.6	612.1	611.5	610.6	609.2	607.8	606.4	605.0
145°	646.3	646.1	645.2	644.3	643.4	642.4	641.4	640.3	639.3	638.1	637.0
147.5°	674.6	674.3	673.7	673.1	672.4	671.8	670.8	669.5	668.2	666.9	665.7
150°	692.6	692.1	691.5	690.9	690.3	689.6	688.8	688.0	687.0	686.1	685.2
152.5°	710.5	710.0	709.2	708.5	707.8	706.9	706.1	705.3	704.3	703.4	702.4
155°	733.3	732.5	732.1	731.6	731.1	730.7	730.2	729.8	729.3	728.8	728.3
157.5°	754.2	753.1	752.9	752.6	752.3	752.1	751.8	751.4	751.2	750.8	750.6
160°	767.0	766.0	765.9	765.7	765.5	765.4	765.2	764.8	764.6	764.2	763.9
162.5°	778.2	777.1	777.0	776.9	776.7	776.5	776.4	776.3	776.3	776.2	776.1
165°	792.9	791.8	791.8	791.8	791.8	791.8	791.8	792.0	792.2	792.4	792.5
167.5°	805.0	803.9	804.0	804.0	804.1	804.1	804.3	804.8	805.2	805.7	806.1
170°	811.7	810.6	810.7	810.9	811.1	811.2	811.5	812.0	812.4	813.0	813.4
172.5°	816.7	815.6	815.8	815.9	816.1	816.3	816.5	817.0	817.5	818.0	818.4
175°	822.2	821.1	821.4	821.7	822.0	822.3	822.7	823.1	823.6	824.1	824.6
177.5°	825.0	824.3	824.5	824.7	825.0	825.3	825.5	825.9	826.3	826.7	827.1
180°	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9



TEST NUMBER: P331394-940

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5
2.5°	1547.7	1550.0	1557.6	1565.1	1573.7	1576.0	1579.8	1576.5	1575.6	1584.6	1591.2
5°	1552.0	1562.6	1583.4	1602.3	1618.3	1629.5	1641.4	1646.1	1654.9	1667.4	1682.7
7.5°	1547.0	1567.7	1600.3	1627.9	1658.0	1679.5	1696.5	1710.9	1728.5	1752.0	1777.7
10°	1541.3	1569.1	1608.8	1642.5	1679.2	1707.0	1730.1	1752.6	1778.6	1811.2	1844.9
12.5°	1531.0	1564.0	1613.6	1653.4	1700.5	1727.9	1759.0	1807.5	1835.4	1880.8	1928.2
15°	1510.0	1546.7	1615.9	1665.0	1718.2	1770.3	1827.7	1873.9	1920.0	1946.7	2013.6
17.5°	1478.9	1532.8	1609.4	1666.7	1734.4	1816.4	1880.9	1933.1	1986.5	2029.6	2063.2
20°	1453.8	1512.3	1599.9	1668.6	1749.0	1837.2	1911.2	1964.4	2010.5	2046.7	2067.3
22.5°	1422.1	1495.8	1581.0	1661.4	1764.2	1851.4	1929.1	1971.0	2009.6	2027.2	2035.2
25°	1372.2	1460.9	1557.4	1655.6	1771.6	1863.9	1934.8	1960.2	1971.5	1954.4	1925.9
27.5°	1318.3	1417.2	1530.0	1644.4	1767.0	1855.7	1906.7	1902.6	1883.6	1828.1	1783.7
30°	1278.1	1387.0	1508.2	1633.1	1756.1	1842.5	1872.1	1842.5	1799.3	1737.2	1673.9
32.5°	1235.9	1348.6	1485.1	1616.9	1736.3	1812.2	1818.6	1767.7	1700.8	1630.2	1551.3
35°	1172.2	1294.1	1441.4	1581.0	1694.0	1742.0	1713.5	1623.6	1544.4	1447.9	1340.2
37.5°	1100.1	1234.7	1382.4	1528.3	1630.7	1643.2	1572.7	1478.0	1366.2	1252.9	1126.1
40°	1046.2	1188.7	1340.8	1488.1	1578.6	1565.6	1475.7	1371.5	1238.4	1099.9	982.2
42.5°	997.8	1140.4	1295.3	1439.8	1512.3	1476.6	1371.5	1243.8	1100.6	970.3	862.5
45°	914.2	1060.9	1219.5	1359.1	1400.5	1336.1	1197.0	1055.0	914.2	805.3	720.1
47.5°	832.9	978.0	1135.1	1257.8	1272.5	1185.7	1033.8	887.7	766.6	678.0	617.9
50°	773.4	918.9	1074.5	1184.0	1179.2	1074.5	918.3	779.3	678.1	606.5	566.2
52.5°	719.9	857.4	1006.8	1106.3	1081.3	967.1	818.0	694.6	611.4	555.4	518.9
55°	636.7	763.8	905.9	985.8	939.6	813.0	687.0	587.5	526.0	484.0	455.6
57.5°	554.0	673.3	794.9	844.1	793.1	676.2	571.1	499.0	452.7	421.6	403.1
60°	502.9	607.1	715.3	758.0	697.1	592.9	510.1	445.6	408.2	382.8	366.2
62.5°	451.8	545.1	647.2	670.4	614.7	526.6	453.3	399.7	369.0	346.3	330.7
65°	382.3	458.5	536.1	551.4	500.0	431.9	374.0	339.0	311.8	295.2	282.9
67.5°	313.4	374.8	429.7	442.1	397.0	349.8	307.9	277.5	259.0	245.3	234.8
70°	272.8	321.3	366.2	376.3	340.2	298.2	266.3	242.0	225.4	213.6	203.6
72.5°	229.7	270.2	307.6	314.3	284.8	252.8	226.5	207.4	192.8	185.2	175.6
75°	175.8	199.4	228.4	230.2	210.6	191.1	171.0	158.5	150.9	141.4	136.7
77.5°	124.0	142.6	159.2	162.4	150.8	137.5	126.3	116.5	109.9	105.6	101.2
80°	94.7	109.5	116.5	120.7	112.4	103.0	96.5	90.0	85.8	82.8	79.9
82.5°	67.7	76.8	83.5	86.6	82.1	76.4	69.9	66.3	63.0	60.5	59.6
85°	34.3	38.4	42.6	43.8	42.6	40.2	36.6	36.6	34.9	34.3	34.3
87.5°	12.3	14.6	15.0	16.8	16.3	17.0	17.7	17.9	18.1	17.6	17.0
90°	2.6	4.5	6.2	8.1	10.8	14.2	17.6	21.0	24.4	24.1	23.8
92.5°	13.7	15.2	16.5	17.8	18.9	19.7	20.5	21.4	22.2	22.2	22.3
95°	37.8	39.3	40.9	42.4	43.3	43.7	44.0	44.3	44.6	44.6	44.6
97.5°	67.6	68.9	70.3	71.7	72.7	73.2	73.8	74.4	75.0	75.0	75.0
100°	89.8	91.0	92.2	93.5	94.3	94.8	95.2	95.7	96.2	96.2	96.2
102.5°	112.9	114.0	114.9	115.9	116.7	117.3	117.9	118.4	119.0	119.1	119.3
105°	150.3	150.8	151.2	151.7	152.1	152.4	152.8	153.0	153.4	153.6	154.0
107.5°	188.8	189.4	190.1	190.7	191.1	191.1	191.1	191.1	191.1	191.3	191.4
110°	213.5	214.5	215.3	216.3	216.8	216.8	216.8	216.8	216.8	216.8	216.8





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	240.3	241.2	242.1	243.1	243.4	243.3	243.3	243.1	243.0	242.6	242.2
115°	279.7	280.6	281.6	282.5	282.9	282.5	282.2	281.9	281.6	281.4	281.2
117.5°	319.3	320.6	321.8	323.1	323.2	322.4	321.6	320.7	319.8	319.4	319.1
120°	345.5	346.8	348.0	349.3	349.3	348.0	346.8	345.5	344.3	344.3	344.3
122.5°	369.8	371.3	372.7	374.3	374.5	373.7	372.8	371.9	371.0	370.7	370.3
125°	407.1	408.4	409.8	411.3	411.7	411.3	410.7	410.3	409.8	409.4	408.9
127.5°	443.8	445.6	447.4	449.1	449.7	449.2	448.6	448.0	447.5	446.9	446.4
130°	466.9	469.0	470.9	473.0	473.8	473.5	473.1	472.9	472.6	472.3	472.0
132.5°	492.2	493.8	495.4	497.1	497.9	498.0	498.1	498.1	498.2	497.6	496.9
135°	526.6	528.2	529.9	531.6	532.6	533.0	533.2	533.6	533.9	533.8	533.6
137.5°	562.3	563.7	565.2	566.5	567.4	567.8	568.2	568.6	569.0	568.9	568.8
140°	584.1	585.5	586.8	588.3	589.3	590.1	590.9	591.7	592.5	592.5	592.5
142.5°	606.4	607.8	609.2	610.6	611.5	612.1	612.6	613.1	613.7	613.8	613.9
145°	638.1	639.3	640.3	641.4	642.4	643.4	644.3	645.2	646.1	646.3	646.4
147.5°	666.9	668.2	669.5	670.8	671.8	672.4	673.1	673.7	674.3	674.6	674.9
150°	686.1	687.0	688.0	688.8	689.6	690.3	690.9	691.5	692.1	692.6	693.0
152.5°	703.4	704.3	705.3	706.1	706.9	707.8	708.5	709.2	710.0	710.5	711.1
155°	728.8	729.3	729.8	730.2	730.7	731.1	731.6	732.1	732.5	733.3	734.1
157.5°	750.8	751.2	751.4	751.8	752.1	752.3	752.6	752.9	753.1	754.2	755.3
160°	764.2	764.6	764.8	765.2	765.4	765.5	765.7	765.9	766.0	767.0	767.9
162.5°	776.2	776.3	776.3	776.4	776.5	776.7	776.9	777.0	777.1	778.2	779.3
165°	792.4	792.2	792.0	791.8	791.8	791.8	791.8	791.8	791.8	792.9	794.0
167.5°	805.7	805.2	804.8	804.3	804.1	804.1	804.0	804.0	803.9	805.0	806.1
170°	813.0	812.4	812.0	811.5	811.2	811.1	810.9	810.7	810.6	811.7	812.8
172.5°	818.0	817.5	817.0	816.5	816.3	816.1	815.9	815.8	815.6	816.7	817.8
175°	824.1	823.6	823.1	822.7	822.3	822.0	821.7	821.4	821.1	822.2	823.2
177.5°	826.7	826.3	825.9	825.5	825.3	825.0	824.7	824.5	824.3	825.0	825.7
180°	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5
2.5°	1596.9	1603.5	1603.5	1604.5	1612.0	1611.1	1610.6
5°	1699.3	1709.4	1710.6	1721.3	1728.3	1726.0	1719.5
7.5°	1796.0	1814.7	1828.9	1836.8	1846.2	1852.0	1849.4
10°	1872.7	1899.9	1916.5	1927.7	1941.3	1951.4	1947.9
12.5°	1942.3	1974.7	1997.4	2016.7	2018.5	2031.4	2022.7
15°	2050.8	2085.1	2088.7	2102.8	2114.2	2112.9	2113.5
17.5°	2086.7	2097.7	2099.9	2100.2	2100.4	2096.2	2087.2
20°	2073.9	2069.7	2059.7	2052.0	2038.4	2036.6	2024.8
22.5°	2013.3	2000.2	1975.0	1958.3	1937.1	1931.5	1928.2
25°	1894.0	1865.0	1824.8	1786.3	1775.7	1755.0	1760.9
27.5°	1730.4	1685.2	1641.6	1610.3	1582.1	1551.0	1560.0
30°	1615.3	1564.4	1502.9	1455.5	1425.4	1395.8	1390.4
32.5°	1478.0	1403.5	1334.9	1293.2	1247.0	1228.2	1207.7
35°	1241.4	1168.6	1100.5	1042.0	1008.3	982.2	958.5
37.5°	1028.5	944.7	889.7	842.3	818.0	803.1	806.8
40°	896.4	823.0	782.8	746.7	724.2	713.5	716.0
42.5°	789.4	734.5	701.4	676.6	660.8	654.9	653.4
45°	668.0	637.2	610.0	595.8	588.2	581.7	577.5
47.5°	585.1	560.1	544.7	536.3	529.6	522.9	522.8
50°	535.5	518.9	508.3	499.4	494.1	489.4	493.5
52.5°	497.6	482.5	471.8	463.9	461.9	457.6	457.5
55°	441.4	429.5	421.9	414.7	411.3	408.8	405.9
57.5°	390.3	379.1	371.9	367.5	360.7	358.3	357.4
60°	353.8	344.9	337.9	331.9	329.0	324.2	324.2
62.5°	320.2	311.4	304.7	300.2	295.3	293.5	294.0
65°	271.6	264.5	258.0	253.2	252.1	248.5	249.7
67.5°	226.9	222.1	215.3	212.7	210.4	208.5	207.1
70°	197.1	192.3	188.8	185.2	183.4	183.4	183.4
72.5°	171.9	166.3	164.2	159.6	160.7	158.8	156.9
75°	133.1	129.6	127.8	126.0	123.1	123.1	123.1
77.5°	98.0	96.9	94.8	92.9	92.2	91.6	91.8
80°	75.7	75.2	73.9	73.9	72.8	72.2	71.0
82.5°	58.2	56.7	56.0	55.5	55.3	55.1	54.9
85°	33.2	31.9	31.9	32.5	31.4	31.4	31.9
87.5°	17.5	17.4	16.9	16.9	17.5	17.0	17.0
90°	23.5	23.2	23.1	23.3	23.4	23.5	23.7
92.5°	22.4	22.4	22.5	22.5	22.6	22.6	22.6
95°	44.6	44.6	44.5	44.1	43.9	43.5	43.2
97.5°	75.0	75.0	75.0	75.0	74.9	74.9	74.8
100°	96.2	96.2	96.1	95.9	95.8	95.7	95.5
102.5°	119.4	119.6	119.5	119.4	119.2	119.0	118.9
105°	154.3	154.6	154.7	154.7	154.7	154.7	154.7
107.5°	191.5	191.6	191.4	190.6	189.9	189.2	188.5
110°	216.8	216.8	216.5	216.1	215.6	215.2	214.6



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	241.8	241.5	241.1	240.8	240.4	240.1	239.8
115°	281.2	281.0	280.6	280.2	279.7	279.3	278.8
117.5°	318.7	318.3	317.9	317.4	316.9	316.5	316.0
120°	344.3	344.3	344.1	343.6	343.1	342.7	342.2
122.5°	370.0	369.6	369.3	368.9	368.5	368.2	367.9
125°	408.4	408.0	407.7	407.5	407.3	407.2	407.1
127.5°	445.8	445.2	444.7	444.3	443.7	443.3	442.7
130°	471.6	471.4	470.8	470.2	469.7	469.0	468.4
132.5°	496.1	495.5	494.9	494.4	493.9	493.4	492.9
135°	533.4	533.2	533.0	532.5	532.1	531.5	531.1
137.5°	568.6	568.6	568.2	567.6	566.9	566.3	565.7
140°	592.5	592.5	592.1	591.6	590.9	590.3	589.7
142.5°	614.0	614.1	613.9	613.2	612.6	612.1	611.4
145°	646.6	646.8	646.5	645.9	645.2	644.6	644.0
147.5°	675.3	675.6	675.6	674.9	674.3	673.8	673.2
150°	693.5	694.0	694.0	693.5	693.0	692.6	692.1
152.5°	711.8	712.3	712.3	711.8	711.1	710.5	710.0
155°	734.9	735.7	735.8	735.3	734.9	734.4	734.0
157.5°	756.3	757.4	757.5	756.8	756.1	755.3	754.6
160°	768.8	769.7	769.9	769.3	768.7	768.0	767.4
162.5°	780.3	781.4	781.5	780.8	780.1	779.3	778.6
165°	795.0	796.1	796.3	795.5	794.7	794.0	793.2
167.5°	807.2	808.2	808.4	807.6	806.8	806.0	805.2
170°	813.9	814.9	815.0	814.1	813.2	812.3	811.3
172.5°	818.9	819.9	820.0	819.1	818.1	817.3	816.4
175°	824.3	825.4	825.5	824.6	823.6	822.7	821.8
177.5°	826.5	827.2	827.2	826.5	825.7	825.0	824.3
180°	825.9	825.9	825.9	825.9	825.9	825.9	825.9

(END OF REPORT)