

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: P331718-940

Luminaire Tested: **SA2XXRDIP-C865D725U940-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331718-940
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: SA2XXRDIP-C865D725U940-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 725 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

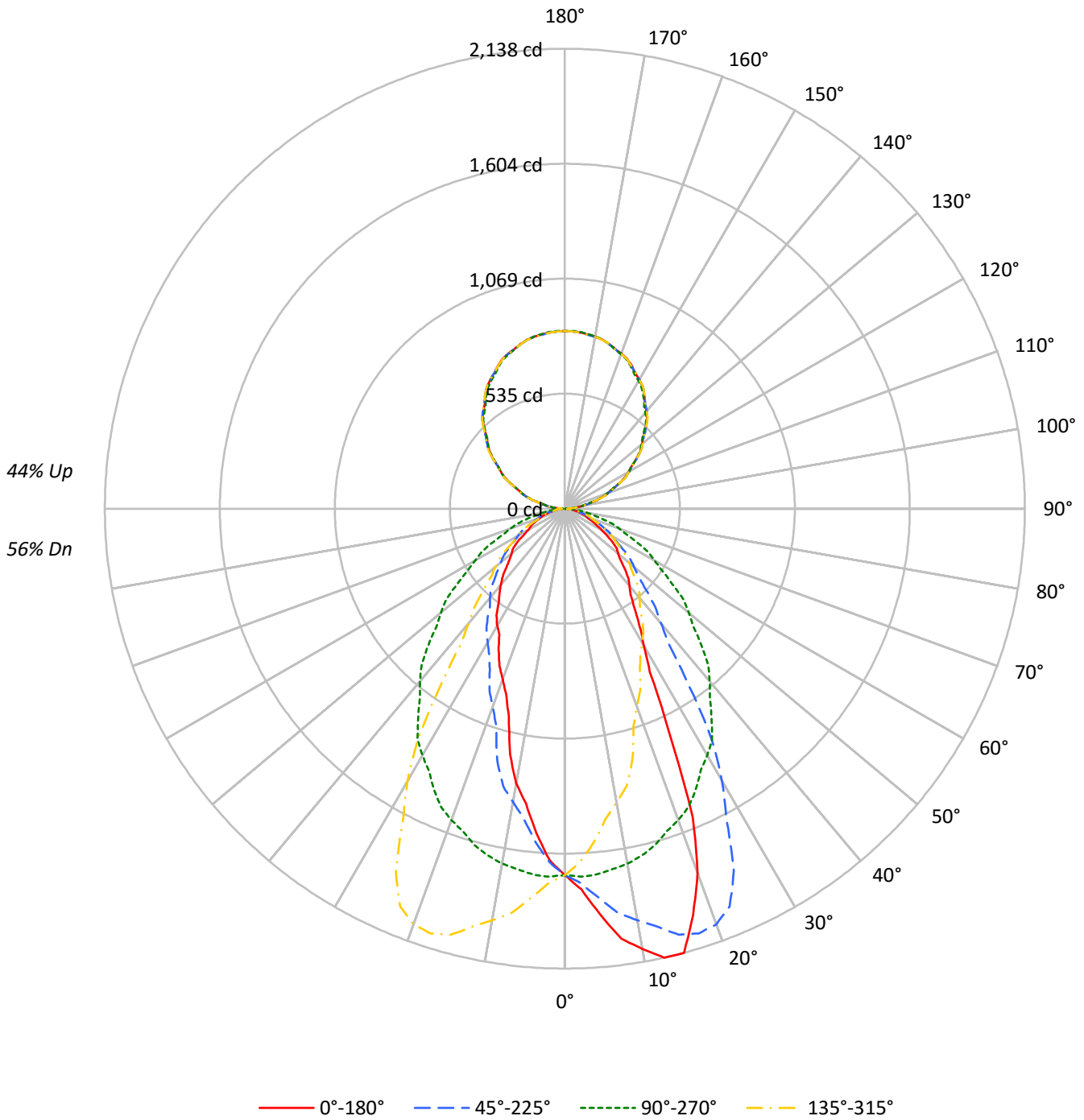
Lumens per Lamp: N/A
Luminaire Lumens: 5255.6 lumens
Efficiency: N/A
Efficacy: 96.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

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	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	56				
1	100	96	92	89	93	89	86	84	77	75	73	66	65	63	56	55	54	49				
2	92	85	79	74	85	79	74	70	69	65	62	59	56	54	50	48	47	42				
3	84	75	69	63	78	71	65	60	62	57	53	53	50	47	45	43	41	37				
4	78	68	60	54	72	63	57	52	55	50	46	48	44	41	41	38	36	33				
5	72	61	53	47	67	57	50	45	50	45	41	44	40	36	38	35	32	29				
6	67	55	47	42	62	52	45	40	46	40	36	40	36	32	35	31	29	26				
7	62	50	42	37	58	47	40	35	42	36	32	37	32	29	32	29	26	24				
8	58	46	38	33	54	43	37	32	38	33	29	34	30	26	30	26	24	22				
9	54	42	35	30	50	40	33	29	36	30	26	31	27	24	28	24	22	20				
10	51	39	32	27	47	37	30	26	33	28	24	29	25	22	26	22	20	18				

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	3.1
10°-20°	449.8	8.6
20°-30°	579.6	11.0
30°-40°	550.8	10.5
40°-50°	471.8	9.0
50°-60°	359.3	6.8
60°-70°	227.1	4.3
70°-80°	113.4	2.2
80°-90°	32.8	0.6
90°-100°	52.3	1.0
100°-110°	162.5	3.1
110°-120°	277.9	5.3
120°-130°	365.4	7.0
130°-140°	410.1	7.8
140°-150°	402.1	7.7
150°-160°	337.3	6.4
160°-170°	223.7	4.3
170°-180°	78.2	1.5
0°-30°	1190.8	22.7
0°-40°	1741.6	33.1
0°-60°	2572.7	49.0
0°-90°	2946.1	56.1
90°-120°	492.7	9.4
90°-150°	1670.3	31.8
90°-180°	2309.0	43.9
0°-180°	5255.6	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°	24	1	24	1	24	11
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°	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°	12.3	12.8	12.8	12.7	12.7	12.7	12.8	13.3	12.8	13.4	12.2
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°	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°	11.6	11.3	10.7	9.6	9.8	9.9	11.9	13.8	12.3	11.3	10.7
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: P331718-940

CATALOG NUMBER: SA2XXRDIP-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: P331718-940

CATALOG NUMBER: SA2XXRDIP-C865D725U940-4F0-1E-UDD-A1

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°	10.6	10.7	10.4	11.1	11.8	11.9	11.9	11.4	11.3	11.2	10.8
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: P331718-940

CATALOG NUMBER: SA2XXRDIP-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: P331718-940

CATALOG NUMBER: SA2XXRDIP-C865D725U940-4F0-1E-UDD-A1

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	10.9	10.4	10.9	10.3	10.8	10.8	11.2	11.3	11.4
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



TEST NUMBER: P331718-940

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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



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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°	11.9	11.9	11.8	11.1	10.4	10.7	10.6	10.7	11.3	12.3	13.8
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



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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: P331718-940

CATALOG NUMBER: SA2XXRDIP-C865D725U940-4F0-1E-UDD-A1

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	9.9	9.8	9.6	10.7	11.3	11.6	12.2	13.4	12.8	13.3
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°	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°	12.8	12.7	12.7	12.7	12.8	12.8	12.3
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)