

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: P331830

Luminaire Tested: **S122RDIW-S865D710U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122RDIW-S865D710U835-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 710 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5762.4 lumens
Efficiency: N/A
Efficacy: 107.5 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

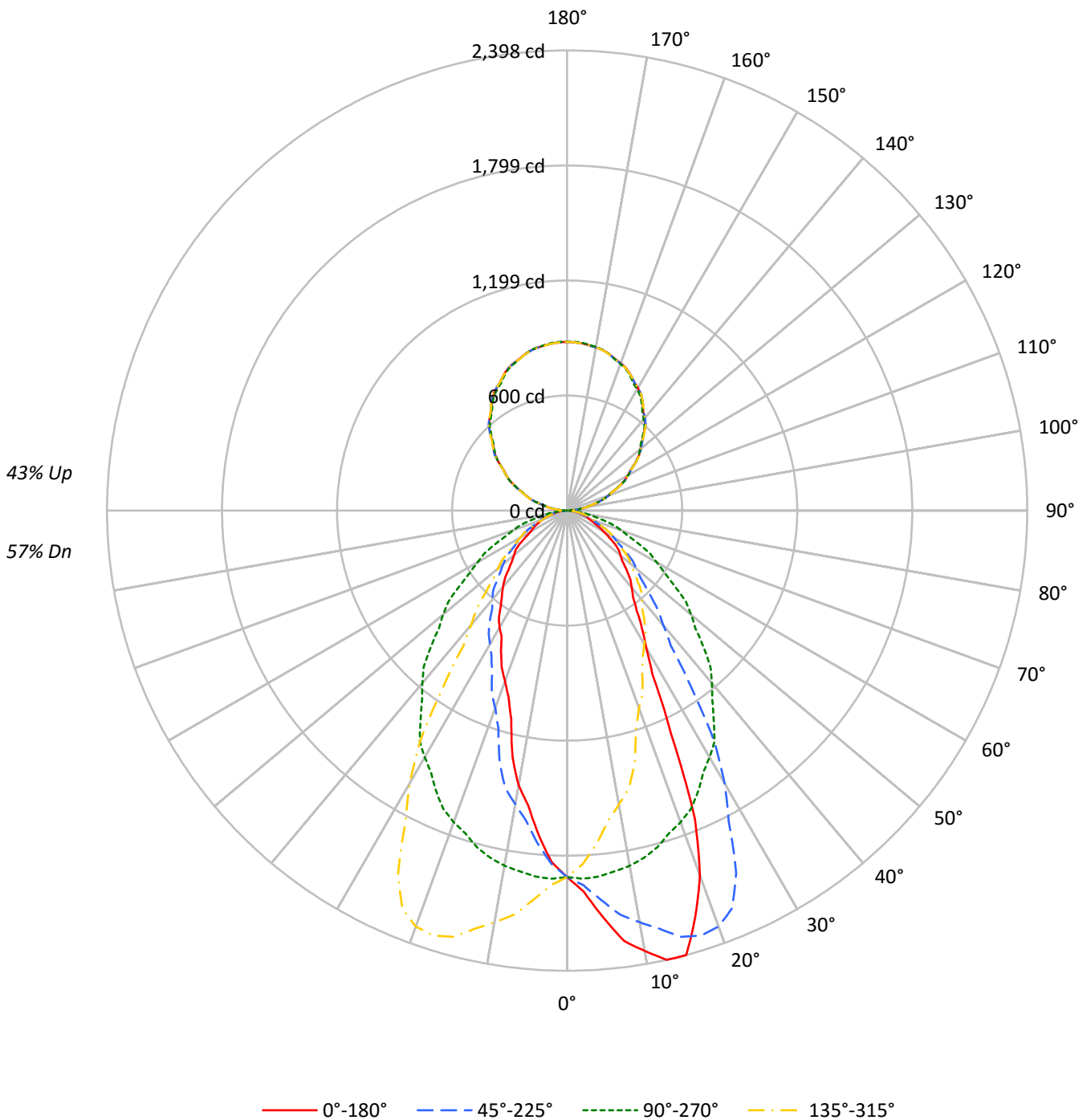
Input Watts (W): 53.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	101	101	101	87	87	87	75	75	75	63	63	63	57
1	100	96	93	89	93	90	87	84	78	76	74	67	65	64	57	56	55	50
2	92	85	79	75	86	80	75	70	69	66	62	60	57	55	51	49	48	43
3	85	76	69	63	79	71	65	60	62	58	54	54	50	48	46	44	42	38
4	78	68	60	55	73	64	57	52	56	51	47	49	45	42	42	39	37	33
5	72	61	53	48	67	57	51	45	51	45	41	44	40	37	38	35	33	30
6	67	55	47	42	62	52	45	40	46	41	36	41	36	33	35	32	29	27
7	62	50	43	37	58	48	41	36	42	37	33	37	33	30	33	29	27	24
8	58	46	39	33	54	44	37	32	39	33	29	34	30	27	30	27	24	22
9	54	42	35	30	51	40	34	29	36	31	27	32	28	24	28	25	22	20
10	51	39	32	27	48	37	31	26	33	28	24	30	25	22	26	23	20	19

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	30832	30832	30832	30832
5°	34434	31024	27509	31024
10°	38203	30808	23845	30808
15°	40082	30355	18788	30355
20°	34749	29687	16258	29687
25°	22789	28771	14516	28771
30°	15340	27660	13136	27660
35°	12423	26260	11848	26260
40°	11049	24738	10964	24738
45°	9999	22952	9787	22952
50°	9100	21182	9065	21182
55°	8555	19220	8442	19220
60°	7156	17418	7072	17418
65°	6032	15817	6842	15817
70°	5575	14124	6453	14124
75°	5215	12296	5958	12296
80°	4816	10116	5309	10116
85°	4428	7984	4668	7984



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.0	3.1
10°-20°	504.4	8.8
20°-30°	650.0	11.3
30°-40°	617.7	10.7
40°-50°	529.1	9.2
50°-60°	402.9	7.0
60°-70°	254.7	4.4
70°-80°	127.2	2.2
80°-90°	36.6	0.6
90°-100°	55.7	1.0
100°-110°	173.1	3.0
110°-120°	295.8	5.1
120°-130°	389.0	6.8
130°-140°	436.6	7.6
140°-150°	428.1	7.4
150°-160°	359.1	6.2
160°-170°	238.2	4.1
170°-180°	83.2	1.4
0°-30°	1335.4	23.2
0°-40°	1953.1	33.9
0°-60°	2885.1	50.1
0°-90°	3303.7	57.3
90°-120°	524.6	9.1
90°-150°	1778.3	30.9
90°-180°	2459.0	42.7
0°-180°	5762.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1910	1910	1910	1910	1910	
5°	2125	1914	1697	1914	2125	210
15°	2398	1816	1124	1816	2398	647
25°	1279	1615	815	1615	1279	607
35°	630	1332	601	1332	630	403
45°	438	1005	429	1005	438	339
55°	304	683	300	683	304	267
65°	158	414	179	414	158	161
75°	84	197	96	197	84	89
85°	24	43	25	43	24	26
90°	25	1	25	1	25	12
95°	46	39	46	39	46	51
105°	165	160	165	160	165	173
115°	297	297	297	297	297	293
125°	433	432	433	432	433	386
135°	565	559	565	559	565	435
145°	686	678	686	678	686	428
155°	781	775	781	775	781	360
165°	844	844	844	844	844	238
175°	875	878	875	878	875	83
180°	879	879	879	879	879	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6
2.5°	1987.1	1988.7	1990.3	1986.5	1986.5	1983.4	1976.5	1971.2	1956.3	1954.2	1954.2
5°	2124.6	2123.2	2125.9	2117.3	2105.3	2102.7	2090.1	2073.5	2056.2	2037.0	2033.0
7.5°	2261.2	2259.2	2253.9	2252.5	2243.3	2223.3	2203.0	2181.4	2152.7	2124.7	2110.6
10°	2330.2	2352.1	2338.9	2315.6	2320.3	2289.1	2272.5	2244.0	2220.1	2178.3	2169.0
12.5°	2398.2	2406.8	2402.6	2389.4	2383.5	2361.8	2339.4	2314.6	2270.5	2233.0	2200.3
15°	2397.9	2410.5	2413.8	2409.9	2413.2	2411.9	2399.9	2379.3	2340.9	2299.7	2263.9
17.5°	2220.9	2229.7	2251.4	2266.1	2284.7	2324.0	2343.4	2350.9	2345.2	2321.7	2296.5
20°	2022.4	2007.8	2068.8	2100.0	2126.5	2192.9	2250.0	2271.9	2307.0	2306.4	2299.7
22.5°	1741.0	1744.5	1802.4	1839.4	1916.9	1983.2	2048.3	2130.7	2198.7	2243.7	2270.0
25°	1279.2	1304.5	1362.2	1412.6	1498.9	1622.3	1734.4	1864.5	1987.2	2084.1	2176.3
27.5°	960.8	962.6	1008.4	1055.0	1106.2	1207.3	1348.5	1503.8	1678.8	1823.2	1989.3
30°	822.8	818.8	838.0	866.5	910.3	988.6	1094.8	1247.4	1421.9	1639.5	1833.3
32.5°	725.1	725.3	739.8	760.9	797.3	850.1	922.8	1046.8	1211.7	1425.6	1652.8
35°	630.3	629.7	640.3	655.5	670.8	704.6	754.4	819.4	932.9	1132.6	1364.8
37.5°	562.4	565.3	570.5	580.0	596.9	615.7	645.6	689.3	770.1	888.2	1083.4
40°	524.2	525.5	532.8	540.8	550.7	565.3	589.9	625.0	684.1	778.3	920.9
42.5°	489.1	490.5	495.6	503.1	510.9	525.5	545.8	576.2	624.1	697.6	815.3
45°	437.9	437.9	442.6	445.9	454.5	467.8	484.4	509.6	542.7	597.2	675.5
47.5°	389.9	390.0	393.1	398.8	404.2	414.6	430.9	451.5	475.6	517.7	584.6
50°	362.3	362.9	364.9	369.6	372.9	382.2	394.8	412.7	437.9	470.4	526.2
52.5°	340.0	339.6	342.1	344.1	346.4	353.0	362.4	378.2	400.8	429.0	475.2
55°	303.9	301.2	305.2	308.5	310.5	313.2	318.5	328.4	347.7	371.6	406.1
57.5°	258.8	257.7	260.5	263.5	269.8	276.9	281.5	287.8	297.8	314.9	349.1
60°	221.6	221.6	227.6	229.6	236.9	246.2	255.5	260.8	270.7	282.0	307.2
62.5°	188.7	189.2	192.0	194.0	198.1	209.5	222.5	234.2	243.6	254.4	271.1
65°	157.9	159.2	159.2	160.6	163.2	165.9	171.2	180.5	197.1	212.3	224.9
67.5°	134.0	134.4	134.8	136.2	136.8	139.7	141.9	146.0	149.8	164.3	179.9
70°	118.1	120.1	119.4	120.8	121.4	122.7	125.4	127.4	133.4	136.7	146.0
72.5°	103.2	104.7	104.6	105.4	107.1	107.4	109.5	111.5	115.3	118.1	123.1
75°	83.6	82.9	83.6	84.9	85.6	86.3	86.3	88.9	90.9	93.6	96.9
77.5°	64.5	65.2	65.0	65.2	65.3	66.5	66.4	67.5	69.5	70.9	72.5
80°	51.8	52.4	51.8	52.4	53.1	53.7	53.1	53.7	55.7	57.1	57.1
82.5°	40.1	40.2	40.6	40.7	40.9	41.0	41.9	42.1	43.5	43.3	43.8
85°	23.9	23.2	23.2	23.2	23.9	24.5	23.9	23.9	24.5	24.5	24.5
87.5°	13.5	14.0	14.0	14.0	13.9	14.0	14.0	14.6	14.2	14.7	13.5
90°	25.2	25.1	24.9	24.7	24.6	24.7	25.0	25.3	25.6	26.0	22.3
92.5°	24.0	24.0	24.0	23.9	23.9	23.9	23.8	23.7	23.7	23.6	22.7
95°	46.0	46.3	46.7	47.0	47.3	47.5	47.5	47.5	47.5	47.5	47.2
97.5°	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.2
100°	101.7	101.8	102.0	102.2	102.3	102.4	102.4	102.4	102.4	102.4	101.9
102.5°	126.6	126.8	126.9	127.1	127.3	127.3	127.1	127.0	126.9	126.7	126.1
105°	164.7	164.7	164.7	164.7	164.7	164.6	164.2	163.9	163.6	163.3	162.9
107.5°	200.7	201.4	202.2	202.9	203.7	204.0	203.9	203.7	203.6	203.5	203.5
110°	228.6	229.0	229.5	230.0	230.5	230.8	230.8	230.8	230.8	230.8	230.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	255.3	255.6	256.0	256.4	256.7	257.1	257.5	257.9	258.3	258.7	258.8
115°	296.8	297.3	297.8	298.3	298.8	299.1	299.3	299.5	299.6	299.8	300.1
117.5°	336.4	336.9	337.4	337.9	338.4	338.9	339.3	339.7	340.1	340.5	341.4
120°	364.3	364.8	365.3	365.8	366.3	366.6	366.6	366.6	366.6	366.6	367.9
122.5°	391.7	392.0	392.4	392.7	393.1	393.5	393.9	394.3	394.7	395.1	396.0
125°	433.4	433.5	433.7	433.9	434.0	434.3	434.8	435.3	435.8	436.3	436.8
127.5°	471.4	471.9	472.4	472.9	473.5	474.0	474.6	475.2	475.8	476.4	477.0
130°	498.7	499.3	500.0	500.6	501.3	501.8	502.1	502.5	502.8	503.1	503.4
132.5°	524.8	525.3	525.8	526.4	526.9	527.5	528.2	529.0	529.7	530.4	530.4
135°	565.4	565.9	566.4	566.9	567.4	567.8	567.9	568.1	568.2	568.4	568.1
137.5°	602.2	602.9	603.6	604.2	604.9	605.3	605.4	605.5	605.7	605.8	605.4
140°	627.8	628.4	629.1	629.8	630.4	630.7	630.7	630.7	630.7	630.7	629.9
142.5°	650.9	651.6	652.2	652.9	653.6	653.8	653.7	653.6	653.4	653.3	652.7
145°	685.7	686.3	687.0	687.6	688.3	688.5	688.4	688.2	688.0	687.9	686.9
147.5°	716.7	717.3	717.9	718.6	719.2	719.3	718.9	718.6	718.2	717.9	717.2
150°	736.9	737.4	737.8	738.3	738.8	738.8	738.3	737.8	737.4	736.9	736.2
152.5°	755.9	756.5	757.1	757.7	758.4	758.4	757.7	757.1	756.5	755.9	755.1
155°	781.4	781.9	782.4	782.9	783.4	783.2	782.4	781.5	780.7	779.9	779.4
157.5°	803.3	804.1	804.9	805.7	806.5	806.3	805.2	804.1	803.0	801.9	801.6
160°	817.0	817.7	818.3	819.0	819.6	819.5	818.5	817.5	816.5	815.5	815.3
162.5°	828.9	829.7	830.5	831.2	832.0	831.9	830.8	829.6	828.5	827.4	827.2
165°	844.5	845.3	846.1	846.9	847.8	847.6	846.4	845.3	844.1	843.0	843.0
167.5°	857.2	858.1	858.9	859.8	860.6	860.5	859.3	858.2	857.0	855.9	855.9
170°	863.7	864.7	865.7	866.7	867.7	867.6	866.5	865.3	864.2	863.0	863.2
172.5°	869.1	870.1	871.1	872.1	873.0	873.0	871.8	870.7	869.5	868.3	868.5
175°	874.9	875.9	876.9	877.8	878.8	878.8	877.6	876.4	875.3	874.1	874.5
177.5°	877.5	878.3	879.1	879.9	880.7	880.7	879.9	879.1	878.3	877.5	877.8
180°	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6
2.5°	1955.2	1951.0	1947.3	1937.7	1932.9	1922.3	1920.7	1920.2	1906.4	1893.1	1889.4
5°	2022.4	2011.8	1995.8	1977.3	1958.0	1938.1	1924.8	1914.2	1887.7	1862.5	1847.9
7.5°	2090.1	2067.2	2039.8	2004.6	1975.3	1942.4	1917.9	1896.0	1858.4	1822.3	1798.0
10°	2140.5	2103.3	2066.8	2018.4	1980.6	1943.4	1908.9	1879.1	1836.6	1788.8	1755.0
12.5°	2171.8	2130.9	2080.6	2033.3	1984.3	1937.0	1890.9	1852.5	1802.6	1753.3	1713.0
15°	2214.1	2170.3	2109.3	2041.6	1978.6	1916.9	1863.8	1816.0	1751.0	1691.9	1642.8
17.5°	2248.8	2188.5	2123.0	2044.7	1971.7	1893.3	1824.9	1763.9	1691.5	1620.3	1562.4
20°	2259.9	2200.2	2124.6	2046.3	1960.0	1867.8	1794.1	1727.8	1650.1	1572.5	1506.2
22.5°	2253.0	2206.6	2122.4	2028.7	1940.4	1843.9	1760.7	1683.7	1597.6	1518.4	1441.4
25°	2206.2	2190.2	2110.6	2008.4	1907.6	1795.5	1699.2	1615.0	1516.8	1431.9	1348.2
27.5°	2097.0	2131.3	2082.0	1973.1	1861.0	1740.8	1632.6	1536.7	1434.8	1339.2	1255.9
30°	1991.9	2070.8	2049.6	1948.7	1823.3	1705.2	1583.8	1483.6	1374.8	1276.6	1194.3
32.5°	1848.0	1978.4	1999.2	1914.8	1785.1	1655.3	1528.1	1428.4	1314.8	1211.3	1131.1
35°	1619.0	1814.0	1903.6	1849.9	1719.8	1579.8	1448.4	1332.3	1218.2	1116.0	1036.4
37.5°	1345.7	1611.4	1760.7	1764.5	1645.1	1499.5	1356.5	1241.2	1124.4	1024.1	937.9
40°	1168.4	1456.4	1650.8	1693.9	1593.1	1435.8	1291.2	1173.7	1059.6	961.4	862.6
42.5°	1009.2	1296.1	1535.1	1610.1	1529.9	1373.7	1228.6	1105.8	994.9	902.0	801.0
45°	816.1	1066.9	1330.3	1464.4	1419.9	1275.3	1122.0	1005.2	901.0	820.8	723.9
47.5°	688.5	865.2	1120.1	1301.4	1300.6	1168.6	1017.8	906.0	809.3	734.1	655.7
50°	615.7	769.7	985.3	1191.0	1208.2	1097.4	954.1	843.3	753.1	674.1	611.1
52.5°	550.4	677.3	871.2	1068.4	1117.5	1021.5	882.5	780.2	692.6	620.0	566.0
55°	465.1	563.3	710.6	895.1	969.4	901.7	778.3	682.8	611.8	550.7	504.3
57.5°	393.5	467.1	585.3	733.8	820.4	777.8	676.0	598.4	537.6	482.4	445.7
60°	348.3	408.7	508.9	633.0	728.5	698.7	611.8	539.4	487.7	439.9	405.4
62.5°	305.9	357.8	443.6	544.3	631.9	619.6	548.6	487.9	442.6	399.0	369.8
65°	246.2	284.0	351.0	430.0	500.3	506.3	455.2	414.0	373.6	339.1	313.2
67.5°	196.0	220.7	267.9	334.4	387.1	405.9	374.7	343.3	311.2	284.5	262.1
70°	165.2	185.1	219.6	273.4	321.8	341.7	323.8	299.2	271.4	249.5	230.2
72.5°	133.9	153.3	178.7	218.2	259.7	281.2	275.0	257.3	234.7	216.6	198.4
75°	100.9	106.8	124.1	150.6	183.1	201.7	206.4	197.1	179.1	165.2	154.6
77.5°	74.6	78.2	86.4	100.3	121.6	138.1	144.9	143.8	131.5	123.4	113.5
80°	59.7	61.7	65.7	71.7	87.6	104.2	108.8	108.8	100.2	96.9	86.9
82.5°	45.4	46.8	49.2	52.5	60.0	74.4	79.6	80.7	75.2	70.9	63.0
85°	25.9	25.2	26.5	28.5	29.9	33.8	41.8	43.1	41.8	36.5	34.5
87.5°	12.8	12.6	11.8	10.8	10.9	11.0	13.3	15.5	13.8	12.6	12.0
90°	18.7	15.1	11.5	8.7	6.7	4.7	2.7	0.7	2.7	4.7	6.7
92.5°	21.9	21.0	20.2	19.0	17.6	16.1	14.7	13.2	14.7	16.1	17.6
95°	46.8	46.5	46.2	45.2	43.5	41.9	40.2	38.6	40.2	41.9	43.5
97.5°	78.6	78.0	77.3	76.3	74.8	73.4	71.9	70.5	71.9	73.4	74.8
100°	101.4	100.9	100.4	99.5	98.2	96.9	95.6	94.2	95.6	96.9	98.2
102.5°	125.5	124.9	124.2	123.4	122.3	121.3	120.2	119.2	120.2	121.3	122.3
105°	162.6	162.3	161.9	161.5	161.0	160.5	160.0	159.5	160.0	160.5	161.0
107.5°	203.5	203.5	203.5	203.1	202.4	201.7	200.9	200.2	200.9	201.7	202.4
110°	230.8	230.8	230.8	230.3	229.3	228.3	227.3	226.3	227.3	228.3	229.3



TEST NUMBER: P331830

CATALOG NUMBER: S122RDIW-S865D710U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	258.9	259.1	259.2	258.8	257.8	256.8	255.8	254.8	255.8	256.8	257.8
115°	300.4	300.8	301.1	300.8	299.8	298.8	297.8	296.8	297.8	298.8	299.8
117.5°	342.3	343.2	344.1	343.9	342.6	341.3	340.0	338.7	340.0	341.3	342.6
120°	369.2	370.5	371.8	371.8	370.5	369.2	367.9	366.6	367.9	369.2	370.5
122.5°	396.9	397.8	398.8	398.4	396.8	395.3	393.7	392.1	393.7	395.3	396.8
125°	437.3	437.8	438.3	437.8	436.3	434.8	433.4	431.9	433.4	434.8	436.3
127.5°	477.6	478.2	478.8	478.1	476.2	474.4	472.5	470.6	472.5	474.4	476.2
130°	503.8	504.1	504.4	503.5	501.4	499.2	497.1	494.9	497.1	499.2	501.4
132.5°	530.3	530.2	530.2	529.2	527.5	525.8	524.0	522.3	524.0	525.8	527.5
135°	567.8	567.4	567.1	566.0	564.2	562.4	560.6	558.8	560.6	562.4	564.2
137.5°	605.0	604.5	604.1	603.1	601.7	600.2	598.7	597.2	598.7	600.2	601.7
140°	629.1	628.3	627.4	626.3	624.8	623.3	621.8	620.4	621.8	623.3	624.8
142.5°	652.2	651.6	651.1	650.0	648.6	647.1	645.6	644.1	645.6	647.1	648.6
145°	685.9	684.9	683.9	682.9	681.7	680.5	679.4	678.2	679.4	680.5	681.7
147.5°	716.5	715.9	715.2	714.2	712.8	711.4	710.0	708.7	710.0	711.4	712.8
150°	735.5	734.9	734.2	733.4	732.4	731.4	730.4	729.4	730.4	731.4	732.4
152.5°	754.3	753.5	752.7	751.8	750.8	749.8	748.8	747.8	748.8	749.8	750.8
155°	778.9	778.4	777.9	777.4	776.9	776.4	775.9	775.4	775.9	776.4	776.9
157.5°	801.3	801.0	800.7	800.4	800.0	799.7	799.4	799.0	799.4	799.7	800.0
160°	815.2	815.0	814.9	814.6	814.3	813.9	813.6	813.3	813.6	813.9	814.3
162.5°	827.1	826.9	826.7	826.6	826.5	826.5	826.4	826.3	826.4	826.5	826.5
165°	843.0	843.0	843.0	843.1	843.2	843.4	843.5	843.7	843.5	843.4	843.2
167.5°	855.9	856.0	856.0	856.3	856.8	857.3	857.8	858.3	857.8	857.3	856.8
170°	863.3	863.5	863.7	864.0	864.5	865.0	865.5	866.0	865.5	865.0	864.5
172.5°	868.7	868.8	869.0	869.3	869.8	870.3	870.8	871.3	870.8	870.3	869.8
175°	874.8	875.1	875.5	875.9	876.4	876.9	877.4	877.8	877.4	876.9	876.4
177.5°	878.1	878.3	878.6	878.9	879.3	879.7	880.1	880.5	880.1	879.7	879.3
180°	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3



TEST NUMBER: P331830

CATALOG NUMBER: S122RDIW-S865D710U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6
2.5°	1882.5	1878.8	1871.9	1861.3	1854.9	1843.8	1836.3	1840.6	1841.6	1840.6	1839.5
5°	1831.9	1818.0	1798.8	1780.2	1762.9	1744.4	1733.7	1729.1	1719.8	1714.5	1711.9
7.5°	1770.8	1746.8	1719.5	1687.2	1659.7	1630.9	1616.2	1608.9	1589.9	1579.5	1570.5
10°	1725.1	1687.3	1660.1	1617.6	1591.8	1553.9	1528.1	1528.7	1502.8	1488.2	1477.6
12.5°	1674.7	1633.2	1587.9	1549.7	1513.7	1483.3	1452.2	1439.5	1412.1	1398.0	1369.3
15°	1591.1	1542.7	1494.9	1443.1	1406.6	1359.5	1314.4	1259.3	1214.9	1176.4	1165.8
17.5°	1499.8	1439.8	1391.9	1331.1	1268.6	1189.4	1137.1	1105.1	1078.3	1058.0	1042.9
20°	1437.2	1376.1	1325.0	1233.5	1149.2	1095.5	1057.0	1032.4	1004.6	982.7	970.7
22.5°	1371.3	1307.6	1238.0	1135.8	1070.1	1027.0	992.7	964.5	945.6	928.5	917.6
25°	1277.9	1208.2	1093.5	1023.1	970.0	924.9	901.0	883.8	863.9	840.7	830.0
27.5°	1179.2	1068.4	986.0	933.7	883.0	853.7	832.2	806.4	788.6	778.2	767.1
30°	1105.4	994.6	930.2	873.2	837.3	804.8	779.6	765.0	747.8	729.9	722.6
32.5°	1023.1	934.6	872.9	825.4	789.0	761.3	741.4	717.8	705.3	694.3	679.0
35°	920.9	853.9	797.5	759.1	724.6	702.0	678.8	664.8	642.3	633.0	627.0
37.5°	834.4	776.3	734.2	693.6	666.3	641.3	627.1	605.0	595.2	582.3	569.7
40°	785.6	728.5	688.1	654.9	624.4	605.8	587.9	570.0	555.4	549.4	534.1
42.5°	735.7	689.3	648.8	612.4	592.0	572.3	549.7	536.5	521.4	511.7	502.3
45°	666.8	625.7	591.2	561.3	538.8	518.2	503.6	481.7	473.1	453.8	445.9
47.5°	606.3	568.1	535.2	506.8	484.8	471.4	450.0	432.9	419.1	407.3	397.0
50°	563.3	531.5	499.6	474.4	454.5	435.3	413.4	404.7	383.5	377.5	371.6
52.5°	524.0	493.8	464.6	439.9	420.0	401.3	382.0	370.8	356.4	350.5	346.1
55°	469.1	439.9	412.0	390.1	370.2	351.0	339.1	325.1	318.5	313.8	308.5
57.5°	413.9	387.6	366.3	344.1	324.1	308.8	295.0	286.6	279.7	273.6	267.3
60°	378.9	353.6	334.4	313.8	293.3	280.7	270.0	260.1	252.1	242.8	240.2
62.5°	341.7	319.7	302.0	282.0	264.1	252.5	242.4	233.0	223.5	209.9	206.2
65°	290.6	273.4	254.8	238.2	222.3	211.0	196.4	185.8	181.8	180.5	179.8
67.5°	244.4	228.1	212.2	195.2	180.7	170.3	162.8	161.2	158.4	157.6	155.8
70°	213.6	198.4	182.5	166.5	152.6	150.6	148.0	145.3	142.0	140.7	139.3
72.5°	186.0	170.3	154.3	141.6	135.6	133.1	130.4	127.8	125.5	124.2	123.4
75°	142.7	128.1	117.4	112.8	109.5	107.5	103.5	101.5	100.2	98.2	97.5
77.5°	102.7	94.5	89.6	86.7	83.2	81.1	78.8	76.8	75.4	75.0	73.9
80°	78.3	74.3	71.0	67.0	65.7	63.0	62.4	60.4	61.0	59.1	59.1
82.5°	60.8	55.7	52.9	51.1	49.8	47.6	47.0	46.0	46.2	44.7	44.7
85°	31.2	29.9	28.5	27.2	27.2	25.2	25.9	25.2	25.2	23.9	23.2
87.5°	11.8	11.8	11.5	12.2	13.0	13.2	13.1	12.5	12.4	12.4	11.8
90°	8.7	11.5	15.1	18.7	22.3	26.0	25.6	25.3	25.0	24.7	24.6
92.5°	19.0	20.2	21.0	21.9	22.7	23.6	23.7	23.7	23.8	23.9	23.9
95°	45.2	46.2	46.5	46.8	47.2	47.5	47.5	47.5	47.5	47.5	47.3
97.5°	76.3	77.3	78.0	78.6	79.2	79.8	79.8	79.8	79.8	79.8	79.8
100°	99.5	100.4	100.9	101.4	101.9	102.4	102.4	102.4	102.4	102.4	102.3
102.5°	123.4	124.2	124.9	125.5	126.1	126.7	126.9	127.0	127.1	127.3	127.3
105°	161.5	161.9	162.3	162.6	162.9	163.3	163.6	163.9	164.2	164.6	164.7
107.5°	203.1	203.5	203.5	203.5	203.5	203.5	203.6	203.7	203.9	204.0	203.7
110°	230.3	230.8	230.8	230.8	230.8	230.8	230.8	230.8	230.8	230.8	230.5



TEST NUMBER: P331830

CATALOG NUMBER: S122RDIW-S865D710U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	258.8	259.2	259.1	258.9	258.8	258.7	258.3	257.9	257.5	257.1	256.7
115°	300.8	301.1	300.8	300.4	300.1	299.8	299.6	299.5	299.3	299.1	298.8
117.5°	343.9	344.1	343.2	342.3	341.4	340.5	340.1	339.7	339.3	338.9	338.4
120°	371.8	371.8	370.5	369.2	367.9	366.6	366.6	366.6	366.6	366.6	366.3
122.5°	398.4	398.8	397.8	396.9	396.0	395.1	394.7	394.3	393.9	393.5	393.1
125°	437.8	438.3	437.8	437.3	436.8	436.3	435.8	435.3	434.8	434.3	434.0
127.5°	478.1	478.8	478.2	477.6	477.0	476.4	475.8	475.2	474.6	474.0	473.5
130°	503.5	504.4	504.1	503.8	503.4	503.1	502.8	502.5	502.1	501.8	501.3
132.5°	529.2	530.2	530.2	530.3	530.4	530.4	529.7	529.0	528.2	527.5	526.9
135°	566.0	567.1	567.4	567.8	568.1	568.4	568.2	568.1	567.9	567.8	567.4
137.5°	603.1	604.1	604.5	605.0	605.4	605.8	605.7	605.5	605.4	605.3	604.9
140°	626.3	627.4	628.3	629.1	629.9	630.7	630.7	630.7	630.7	630.7	630.4
142.5°	650.0	651.1	651.6	652.2	652.7	653.3	653.4	653.6	653.7	653.8	653.6
145°	682.9	683.9	684.9	685.9	686.9	687.9	688.0	688.2	688.4	688.5	688.3
147.5°	714.2	715.2	715.9	716.5	717.2	717.9	718.2	718.6	718.9	719.3	719.2
150°	733.4	734.2	734.9	735.5	736.2	736.9	737.4	737.8	738.3	738.8	738.8
152.5°	751.8	752.7	753.5	754.3	755.1	755.9	756.5	757.1	757.7	758.4	758.4
155°	777.4	777.9	778.4	778.9	779.4	779.9	780.7	781.5	782.4	783.2	783.4
157.5°	800.4	800.7	801.0	801.3	801.6	801.9	803.0	804.1	805.2	806.3	806.5
160°	814.6	814.9	815.0	815.2	815.3	815.5	816.5	817.5	818.5	819.5	819.6
162.5°	826.6	826.7	826.9	827.1	827.2	827.4	828.5	829.6	830.8	831.9	832.0
165°	843.1	843.0	843.0	843.0	843.0	843.0	844.1	845.3	846.4	847.6	847.8
167.5°	856.3	856.0	856.0	855.9	855.9	855.9	857.0	858.2	859.3	860.5	860.6
170°	864.0	863.7	863.5	863.3	863.2	863.0	864.2	865.3	866.5	867.6	867.7
172.5°	869.3	869.0	868.8	868.7	868.5	868.3	869.5	870.7	871.8	873.0	873.0
175°	875.9	875.5	875.1	874.8	874.5	874.1	875.3	876.4	877.6	878.8	878.8
177.5°	878.9	878.6	878.3	878.1	877.8	877.5	878.3	879.1	879.9	880.7	880.7
180°	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3



TEST NUMBER: P331830

CATALOG NUMBER: S122RDIW-S865D710U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6
2.5°	1833.7	1834.7	1833.1	1834.2	1833.1	1834.7	1833.7	1839.5	1840.6	1841.6	1840.6
5°	1708.5	1700.6	1699.2	1697.3	1699.2	1700.6	1708.5	1711.9	1714.5	1719.8	1729.1
7.5°	1559.1	1557.9	1554.6	1550.0	1554.6	1557.9	1559.1	1570.5	1579.5	1589.9	1608.9
10°	1463.0	1459.7	1459.1	1454.4	1459.1	1459.7	1463.0	1477.6	1488.2	1502.8	1528.7
12.5°	1350.5	1329.1	1326.9	1315.3	1326.9	1329.1	1350.5	1369.3	1398.0	1412.1	1439.5
15°	1149.9	1145.9	1132.6	1124.0	1132.6	1145.9	1149.9	1165.8	1176.4	1214.9	1259.3
17.5°	1035.2	1022.2	1018.1	1016.2	1018.1	1022.2	1035.2	1042.9	1058.0	1078.3	1105.1
20°	961.4	949.5	947.5	946.2	947.5	949.5	961.4	970.7	982.7	1004.6	1032.4
22.5°	910.5	898.0	892.8	888.8	892.8	898.0	910.5	917.6	928.5	945.6	964.5
25°	823.4	818.8	816.1	814.8	816.1	818.8	823.4	830.0	840.7	863.9	883.8
27.5°	755.3	745.1	743.1	739.7	743.1	745.1	755.3	767.1	778.2	788.6	806.4
30°	716.6	713.3	708.6	704.6	708.6	713.3	716.6	722.6	729.9	747.8	765.0
32.5°	670.9	668.2	664.0	662.2	664.0	668.2	670.9	679.0	694.3	705.3	717.8
35°	620.4	611.1	607.1	601.1	607.1	611.1	620.4	627.0	633.0	642.3	664.8
37.5°	566.9	562.0	556.4	558.4	556.4	562.0	566.9	569.7	582.3	595.2	605.0
40°	525.5	522.2	520.9	520.2	520.9	522.2	525.5	534.1	549.4	555.4	570.0
42.5°	492.6	483.4	480.0	479.8	480.0	483.4	492.6	502.3	511.7	521.4	536.5
45°	442.6	433.9	428.0	428.6	428.0	433.9	442.6	445.9	453.8	473.1	481.7
47.5°	391.3	391.1	387.4	388.6	387.4	391.1	391.3	397.0	407.3	419.1	432.9
50°	366.9	362.9	360.3	360.9	360.3	362.9	366.9	371.6	377.5	383.5	404.7
52.5°	343.6	340.1	338.0	340.8	338.0	340.1	343.6	346.1	350.5	356.4	370.8
55°	305.2	301.2	300.6	299.9	300.6	301.2	305.2	308.5	313.8	318.5	325.1
57.5°	262.4	259.7	255.7	254.0	255.7	259.7	262.4	267.3	273.6	279.7	286.6
60°	231.6	226.3	219.6	219.0	219.6	226.3	231.6	240.2	242.8	252.1	260.1
62.5°	203.4	202.4	201.0	200.9	201.0	202.4	203.4	206.2	209.9	223.5	233.0
65°	178.5	177.8	178.5	179.1	178.5	177.8	178.5	179.8	180.5	181.8	185.8
67.5°	155.5	154.3	153.1	153.7	153.1	154.3	155.5	155.8	157.6	158.4	161.2
70°	138.0	137.3	136.7	136.7	136.7	137.3	138.0	139.3	140.7	142.0	145.3
72.5°	121.0	120.9	120.2	119.7	120.2	120.9	121.0	123.4	124.2	125.5	127.8
75°	96.9	95.5	95.5	95.5	95.5	95.5	96.9	97.5	98.2	100.2	101.5
77.5°	73.8	73.1	72.5	71.9	72.5	73.1	73.8	73.9	75.0	75.4	76.8
80°	58.4	57.7	57.1	57.1	57.1	57.7	58.4	59.1	59.1	61.0	60.4
82.5°	44.6	43.9	43.8	43.3	43.8	43.9	44.6	44.7	44.7	46.2	46.0
85°	23.9	24.5	23.9	25.2	23.9	24.5	23.9	23.2	23.9	25.2	25.2
87.5°	11.8	11.3	11.9	11.4	11.9	11.3	11.8	11.8	12.4	12.4	12.5
90°	24.7	24.9	25.1	25.2	25.1	24.9	24.7	24.6	24.7	25.0	25.3
92.5°	23.9	24.0	24.0	24.0	24.0	24.0	23.9	23.9	23.9	23.8	23.7
95°	47.0	46.7	46.3	46.0	46.3	46.7	47.0	47.3	47.5	47.5	47.5
97.5°	79.8	79.8	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8
100°	102.2	102.0	101.8	101.7	101.8	102.0	102.2	102.3	102.4	102.4	102.4
102.5°	127.1	126.9	126.8	126.6	126.8	126.9	127.1	127.3	127.3	127.1	127.0
105°	164.7	164.7	164.7	164.7	164.7	164.7	164.7	164.7	164.6	164.2	163.9
107.5°	202.9	202.2	201.4	200.7	201.4	202.2	202.9	203.7	204.0	203.9	203.7
110°	230.0	229.5	229.0	228.6	229.0	229.5	230.0	230.5	230.8	230.8	230.8



TEST NUMBER: P331830

CATALOG NUMBER: S122RDIW-S865D710U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	256.4	256.0	255.6	255.3	255.6	256.0	256.4	256.7	257.1	257.5	257.9
115°	298.3	297.8	297.3	296.8	297.3	297.8	298.3	298.8	299.1	299.3	299.5
117.5°	337.9	337.4	336.9	336.4	336.9	337.4	337.9	338.4	338.9	339.3	339.7
120°	365.8	365.3	364.8	364.3	364.8	365.3	365.8	366.3	366.6	366.6	366.6
122.5°	392.7	392.4	392.0	391.7	392.0	392.4	392.7	393.1	393.5	393.9	394.3
125°	433.9	433.7	433.5	433.4	433.5	433.7	433.9	434.0	434.3	434.8	435.3
127.5°	472.9	472.4	471.9	471.4	471.9	472.4	472.9	473.5	474.0	474.6	475.2
130°	500.6	500.0	499.3	498.7	499.3	500.0	500.6	501.3	501.8	502.1	502.5
132.5°	526.4	525.8	525.3	524.8	525.3	525.8	526.4	526.9	527.5	528.2	529.0
135°	566.9	566.4	565.9	565.4	565.9	566.4	566.9	567.4	567.8	567.9	568.1
137.5°	604.2	603.6	602.9	602.2	602.9	603.6	604.2	604.9	605.3	605.4	605.5
140°	629.8	629.1	628.4	627.8	628.4	629.1	629.8	630.4	630.7	630.7	630.7
142.5°	652.9	652.2	651.6	650.9	651.6	652.2	652.9	653.6	653.8	653.7	653.6
145°	687.6	687.0	686.3	685.7	686.3	687.0	687.6	688.3	688.5	688.4	688.2
147.5°	718.6	717.9	717.3	716.7	717.3	717.9	718.6	719.2	719.3	718.9	718.6
150°	738.3	737.8	737.4	736.9	737.4	737.8	738.3	738.8	738.8	738.3	737.8
152.5°	757.7	757.1	756.5	755.9	756.5	757.1	757.7	758.4	758.4	757.7	757.1
155°	782.9	782.4	781.9	781.4	781.9	782.4	782.9	783.4	783.2	782.4	781.5
157.5°	805.7	804.9	804.1	803.3	804.1	804.9	805.7	806.5	806.3	805.2	804.1
160°	819.0	818.3	817.7	817.0	817.7	818.3	819.0	819.6	819.5	818.5	817.5
162.5°	831.2	830.5	829.7	828.9	829.7	830.5	831.2	832.0	831.9	830.8	829.6
165°	846.9	846.1	845.3	844.5	845.3	846.1	846.9	847.8	847.6	846.4	845.3
167.5°	859.8	858.9	858.1	857.2	858.1	858.9	859.8	860.6	860.5	859.3	858.2
170°	866.7	865.7	864.7	863.7	864.7	865.7	866.7	867.7	867.6	866.5	865.3
172.5°	872.1	871.1	870.1	869.1	870.1	871.1	872.1	873.0	873.0	871.8	870.7
175°	877.8	876.9	875.9	874.9	875.9	876.9	877.8	878.8	878.8	877.6	876.4
177.5°	879.9	879.1	878.3	877.5	878.3	879.1	879.9	880.7	880.7	879.9	879.1
180°	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3



TEST NUMBER: P331830

CATALOG NUMBER: S122RDIW-S865D710U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6
2.5°	1836.3	1843.8	1854.9	1861.3	1871.9	1878.8	1882.5	1889.4	1893.1	1906.4	1920.2
5°	1733.7	1744.4	1762.9	1780.2	1798.8	1818.0	1831.9	1847.9	1862.5	1887.7	1914.2
7.5°	1616.2	1630.9	1659.7	1687.2	1719.5	1746.8	1770.8	1798.0	1822.3	1858.4	1896.0
10°	1528.1	1553.9	1591.8	1617.6	1660.1	1687.3	1725.1	1755.0	1788.8	1836.6	1879.1
12.5°	1452.2	1483.3	1513.7	1549.7	1587.9	1633.2	1674.7	1713.0	1753.3	1802.6	1852.5
15°	1314.4	1359.5	1406.6	1443.1	1494.9	1542.7	1591.1	1642.8	1691.9	1751.0	1816.0
17.5°	1137.1	1189.4	1268.6	1331.1	1391.9	1439.8	1499.8	1562.4	1620.3	1691.5	1763.9
20°	1057.0	1095.5	1149.2	1233.5	1325.0	1376.1	1437.2	1506.2	1572.5	1650.1	1727.8
22.5°	992.7	1027.0	1070.1	1135.8	1238.0	1307.6	1371.3	1441.4	1518.4	1597.6	1683.7
25°	901.0	924.9	970.0	1023.1	1093.5	1208.2	1277.9	1348.2	1431.9	1516.8	1615.0
27.5°	832.2	853.7	883.0	933.7	986.0	1068.4	1179.2	1255.9	1339.2	1434.8	1536.7
30°	779.6	804.8	837.3	873.2	930.2	994.6	1105.4	1194.3	1276.6	1374.8	1483.6
32.5°	741.4	761.3	789.0	825.4	872.9	934.6	1023.1	1131.1	1211.3	1314.8	1428.4
35°	678.8	702.0	724.6	759.1	797.5	853.9	920.9	1036.4	1116.0	1218.2	1332.3
37.5°	627.1	641.3	666.3	693.6	734.2	776.3	834.4	937.9	1024.1	1124.4	1241.2
40°	587.9	605.8	624.4	654.9	688.1	728.5	785.6	862.6	961.4	1059.6	1173.7
42.5°	549.7	572.3	592.0	612.4	648.8	689.3	735.7	801.0	902.0	994.9	1105.8
45°	503.6	518.2	538.8	561.3	591.2	625.7	666.8	723.9	820.8	901.0	1005.2
47.5°	450.0	471.4	484.8	506.8	535.2	568.1	606.3	655.7	734.1	809.3	906.0
50°	413.4	435.3	454.5	474.4	499.6	531.5	563.3	611.1	674.1	753.1	843.3
52.5°	382.0	401.3	420.0	439.9	464.6	493.8	524.0	566.0	620.0	692.6	780.2
55°	339.1	351.0	370.2	390.1	412.0	439.9	469.1	504.3	550.7	611.8	682.8
57.5°	295.0	308.8	324.1	344.1	366.3	387.6	413.9	445.7	482.4	537.6	598.4
60°	270.0	280.7	293.3	313.8	334.4	353.6	378.9	405.4	439.9	487.7	539.4
62.5°	242.4	252.5	264.1	282.0	302.0	319.7	341.7	369.8	399.0	442.6	487.9
65°	196.4	211.0	222.3	238.2	254.8	273.4	290.6	313.2	339.1	373.6	414.0
67.5°	162.8	170.3	180.7	195.2	212.2	228.1	244.4	262.1	284.5	311.2	343.3
70°	148.0	150.6	152.6	166.5	182.5	198.4	213.6	230.2	249.5	271.4	299.2
72.5°	130.4	133.1	135.6	141.6	154.3	170.3	186.0	198.4	216.6	234.7	257.3
75°	103.5	107.5	109.5	112.8	117.4	128.1	142.7	154.6	165.2	179.1	197.1
77.5°	78.8	81.1	83.2	86.7	89.6	94.5	102.7	113.5	123.4	131.5	143.8
80°	62.4	63.0	65.7	67.0	71.0	74.3	78.3	86.9	96.9	100.2	108.8
82.5°	47.0	47.6	49.8	51.1	52.9	55.7	60.8	63.0	70.9	75.2	80.7
85°	25.9	25.2	27.2	27.2	28.5	29.9	31.2	34.5	36.5	41.8	43.1
87.5°	13.1	13.2	13.0	12.2	11.5	11.8	11.8	12.0	12.6	13.8	15.5
90°	25.6	26.0	22.3	18.7	15.1	11.5	8.7	6.7	4.7	2.7	0.7
92.5°	23.7	23.6	22.7	21.9	21.0	20.2	19.0	17.6	16.1	14.7	13.2
95°	47.5	47.5	47.2	46.8	46.5	46.2	45.2	43.5	41.9	40.2	38.6
97.5°	79.8	79.8	79.2	78.6	78.0	77.3	76.3	74.8	73.4	71.9	70.5
100°	102.4	102.4	101.9	101.4	100.9	100.4	99.5	98.2	96.9	95.6	94.2
102.5°	126.9	126.7	126.1	125.5	124.9	124.2	123.4	122.3	121.3	120.2	119.2
105°	163.6	163.3	162.9	162.6	162.3	161.9	161.5	161.0	160.5	160.0	159.5
107.5°	203.6	203.5	203.5	203.5	203.5	203.5	203.1	202.4	201.7	200.9	200.2
110°	230.8	230.8	230.8	230.8	230.8	230.8	230.3	229.3	228.3	227.3	226.3



TEST NUMBER: P331830

CATALOG NUMBER: S122RDIW-S865D710U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	258.3	258.7	258.8	258.9	259.1	259.2	258.8	257.8	256.8	255.8	254.8
115°	299.6	299.8	300.1	300.4	300.8	301.1	300.8	299.8	298.8	297.8	296.8
117.5°	340.1	340.5	341.4	342.3	343.2	344.1	343.9	342.6	341.3	340.0	338.7
120°	366.6	366.6	367.9	369.2	370.5	371.8	371.8	370.5	369.2	367.9	366.6
122.5°	394.7	395.1	396.0	396.9	397.8	398.8	398.4	396.8	395.3	393.7	392.1
125°	435.8	436.3	436.8	437.3	437.8	438.3	437.8	436.3	434.8	433.4	431.9
127.5°	475.8	476.4	477.0	477.6	478.2	478.8	478.1	476.2	474.4	472.5	470.6
130°	502.8	503.1	503.4	503.8	504.1	504.4	503.5	501.4	499.2	497.1	494.9
132.5°	529.7	530.4	530.4	530.3	530.2	530.2	529.2	527.5	525.8	524.0	522.3
135°	568.2	568.4	568.1	567.8	567.4	567.1	566.0	564.2	562.4	560.6	558.8
137.5°	605.7	605.8	605.4	605.0	604.5	604.1	603.1	601.7	600.2	598.7	597.2
140°	630.7	630.7	629.9	629.1	628.3	627.4	626.3	624.8	623.3	621.8	620.4
142.5°	653.4	653.3	652.7	652.2	651.6	651.1	650.0	648.6	647.1	645.6	644.1
145°	688.0	687.9	686.9	685.9	684.9	683.9	682.9	681.7	680.5	679.4	678.2
147.5°	718.2	717.9	717.2	716.5	715.9	715.2	714.2	712.8	711.4	710.0	708.7
150°	737.4	736.9	736.2	735.5	734.9	734.2	733.4	732.4	731.4	730.4	729.4
152.5°	756.5	755.9	755.1	754.3	753.5	752.7	751.8	750.8	749.8	748.8	747.8
155°	780.7	779.9	779.4	778.9	778.4	777.9	777.4	776.9	776.4	775.9	775.4
157.5°	803.0	801.9	801.6	801.3	801.0	800.7	800.4	800.0	799.7	799.4	799.0
160°	816.5	815.5	815.3	815.2	815.0	814.9	814.6	814.3	813.9	813.6	813.3
162.5°	828.5	827.4	827.2	827.1	826.9	826.7	826.6	826.5	826.5	826.4	826.3
165°	844.1	843.0	843.0	843.0	843.0	843.0	843.1	843.2	843.4	843.5	843.7
167.5°	857.0	855.9	855.9	855.9	856.0	856.0	856.3	856.8	857.3	857.8	858.3
170°	864.2	863.0	863.2	863.3	863.5	863.7	864.0	864.5	865.0	865.5	866.0
172.5°	869.5	868.3	868.5	868.7	868.8	869.0	869.3	869.8	870.3	870.8	871.3
175°	875.3	874.1	874.5	874.8	875.1	875.5	875.9	876.4	876.9	877.4	877.8
177.5°	878.3	877.5	877.8	878.1	878.3	878.6	878.9	879.3	879.7	880.1	880.5
180°	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3



TEST NUMBER: P331830

CATALOG NUMBER: S122RDIW-S865D710U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6
2.5°	1920.7	1922.3	1932.9	1937.7	1947.3	1951.0	1955.2	1954.2	1954.2	1956.3	1971.2
5°	1924.8	1938.1	1958.0	1977.3	1995.8	2011.8	2022.4	2033.0	2037.0	2056.2	2073.5
7.5°	1917.9	1942.4	1975.3	2004.6	2039.8	2067.2	2090.1	2110.6	2124.7	2152.7	2181.4
10°	1908.9	1943.4	1980.6	2018.4	2066.8	2103.3	2140.5	2169.0	2178.3	2220.1	2244.0
12.5°	1890.9	1937.0	1984.3	2033.3	2080.6	2130.9	2171.8	2200.3	2233.0	2270.5	2314.6
15°	1863.8	1916.9	1978.6	2041.6	2109.3	2170.3	2214.1	2263.9	2299.7	2340.9	2379.3
17.5°	1824.9	1893.3	1971.7	2044.7	2123.0	2188.5	2248.8	2296.5	2321.7	2345.2	2350.9
20°	1794.1	1867.8	1960.0	2046.3	2124.6	2200.2	2259.9	2299.7	2306.4	2307.0	2271.9
22.5°	1760.7	1843.9	1940.4	2028.7	2122.4	2206.6	2253.0	2270.0	2243.7	2198.7	2130.7
25°	1699.2	1795.5	1907.6	2008.4	2110.6	2190.2	2206.2	2176.3	2084.1	1987.2	1864.5
27.5°	1632.6	1740.8	1861.0	1973.1	2082.0	2131.3	2097.0	1989.3	1823.2	1678.8	1503.8
30°	1583.8	1705.2	1823.3	1948.7	2049.6	2070.8	1991.9	1833.3	1639.5	1421.9	1247.4
32.5°	1528.1	1655.3	1785.1	1914.8	1999.2	1978.4	1848.0	1652.8	1425.6	1211.7	1046.8
35°	1448.4	1579.8	1719.8	1849.9	1903.6	1814.0	1619.0	1364.8	1132.6	932.9	819.4
37.5°	1356.5	1499.5	1645.1	1764.5	1760.7	1611.4	1345.7	1083.4	888.2	770.1	689.3
40°	1291.2	1435.8	1593.1	1693.9	1650.8	1456.4	1168.4	920.9	778.3	684.1	625.0
42.5°	1228.6	1373.7	1529.9	1610.1	1535.1	1296.1	1009.2	815.3	697.6	624.1	576.2
45°	1122.0	1275.3	1419.9	1464.4	1330.3	1066.9	816.1	675.5	597.2	542.7	509.6
47.5°	1017.8	1168.6	1300.6	1301.4	1120.1	865.2	688.5	584.6	517.7	475.6	451.5
50°	954.1	1097.4	1208.2	1191.0	985.3	769.7	615.7	526.2	470.4	437.9	412.7
52.5°	882.5	1021.5	1117.5	1068.4	871.2	677.3	550.4	475.2	429.0	400.8	378.2
55°	778.3	901.7	969.4	895.1	710.6	563.3	465.1	406.1	371.6	347.7	328.4
57.5°	676.0	777.8	820.4	733.8	585.3	467.1	393.5	349.1	314.9	297.8	287.8
60°	611.8	698.7	728.5	633.0	508.9	408.7	348.3	307.2	282.0	270.7	260.8
62.5°	548.6	619.6	631.9	544.3	443.6	357.8	305.9	271.1	254.4	243.6	234.2
65°	455.2	506.3	500.3	430.0	351.0	284.0	246.2	224.9	212.3	197.1	180.5
67.5°	374.7	405.9	387.1	334.4	267.9	220.7	196.0	179.9	164.3	149.8	146.0
70°	323.8	341.7	321.8	273.4	219.6	185.1	165.2	146.0	136.7	133.4	127.4
72.5°	275.0	281.2	259.7	218.2	178.7	153.3	133.9	123.1	118.1	115.3	111.5
75°	206.4	201.7	183.1	150.6	124.1	106.8	100.9	96.9	93.6	90.9	88.9
77.5°	144.9	138.1	121.6	100.3	86.4	78.2	74.6	72.5	70.9	69.5	67.5
80°	108.8	104.2	87.6	71.7	65.7	61.7	59.7	57.1	57.1	55.7	53.7
82.5°	79.6	74.4	60.0	52.5	49.2	46.8	45.4	43.8	43.3	43.5	42.1
85°	41.8	33.8	29.9	28.5	26.5	25.2	25.9	24.5	24.5	24.5	23.9
87.5°	13.3	11.0	10.9	10.8	11.8	12.6	12.8	13.5	14.7	14.2	14.6
90°	2.7	4.7	6.7	8.7	11.5	15.1	18.7	22.3	26.0	25.6	25.3
92.5°	14.7	16.1	17.6	19.0	20.2	21.0	21.9	22.7	23.6	23.7	23.7
95°	40.2	41.9	43.5	45.2	46.2	46.5	46.8	47.2	47.5	47.5	47.5
97.5°	71.9	73.4	74.8	76.3	77.3	78.0	78.6	79.2	79.8	79.8	79.8
100°	95.6	96.9	98.2	99.5	100.4	100.9	101.4	101.9	102.4	102.4	102.4
102.5°	120.2	121.3	122.3	123.4	124.2	124.9	125.5	126.1	126.7	126.9	127.0
105°	160.0	160.5	161.0	161.5	161.9	162.3	162.6	162.9	163.3	163.6	163.9
107.5°	200.9	201.7	202.4	203.1	203.5	203.5	203.5	203.5	203.5	203.6	203.7
110°	227.3	228.3	229.3	230.3	230.8	230.8	230.8	230.8	230.8	230.8	230.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	255.8	256.8	257.8	258.8	259.2	259.1	258.9	258.8	258.7	258.3	257.9
115°	297.8	298.8	299.8	300.8	301.1	300.8	300.4	300.1	299.8	299.6	299.5
117.5°	340.0	341.3	342.6	343.9	344.1	343.2	342.3	341.4	340.5	340.1	339.7
120°	367.9	369.2	370.5	371.8	371.8	370.5	369.2	367.9	366.6	366.6	366.6
122.5°	393.7	395.3	396.8	398.4	398.8	397.8	396.9	396.0	395.1	394.7	394.3
125°	433.4	434.8	436.3	437.8	438.3	437.8	437.3	436.8	436.3	435.8	435.3
127.5°	472.5	474.4	476.2	478.1	478.8	478.2	477.6	477.0	476.4	475.8	475.2
130°	497.1	499.2	501.4	503.5	504.4	504.1	503.8	503.4	503.1	502.8	502.5
132.5°	524.0	525.8	527.5	529.2	530.2	530.2	530.3	530.4	530.4	529.7	529.0
135°	560.6	562.4	564.2	566.0	567.1	567.4	567.8	568.1	568.4	568.2	568.1
137.5°	598.7	600.2	601.7	603.1	604.1	604.5	605.0	605.4	605.8	605.7	605.5
140°	621.8	623.3	624.8	626.3	627.4	628.3	629.1	629.9	630.7	630.7	630.7
142.5°	645.6	647.1	648.6	650.0	651.1	651.6	652.2	652.7	653.3	653.4	653.6
145°	679.4	680.5	681.7	682.9	683.9	684.9	685.9	686.9	687.9	688.0	688.2
147.5°	710.0	711.4	712.8	714.2	715.2	715.9	716.5	717.2	717.9	718.2	718.6
150°	730.4	731.4	732.4	733.4	734.2	734.9	735.5	736.2	736.9	737.4	737.8
152.5°	748.8	749.8	750.8	751.8	752.7	753.5	754.3	755.1	755.9	756.5	757.1
155°	775.9	776.4	776.9	777.4	777.9	778.4	778.9	779.4	779.9	780.7	781.5
157.5°	799.4	799.7	800.0	800.4	800.7	801.0	801.3	801.6	801.9	803.0	804.1
160°	813.6	813.9	814.3	814.6	814.9	815.0	815.2	815.3	815.5	816.5	817.5
162.5°	826.4	826.5	826.5	826.6	826.7	826.9	827.1	827.2	827.4	828.5	829.6
165°	843.5	843.4	843.2	843.1	843.0	843.0	843.0	843.0	843.0	844.1	845.3
167.5°	857.8	857.3	856.8	856.3	856.0	856.0	855.9	855.9	855.9	857.0	858.2
170°	865.5	865.0	864.5	864.0	863.7	863.5	863.3	863.2	863.0	864.2	865.3
172.5°	870.8	870.3	869.8	869.3	869.0	868.8	868.7	868.5	868.3	869.5	870.7
175°	877.4	876.9	876.4	875.9	875.5	875.1	874.8	874.5	874.1	875.3	876.4
177.5°	880.1	879.7	879.3	878.9	878.6	878.3	878.1	877.8	877.5	878.3	879.1
180°	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6
2.5°	1976.5	1983.4	1986.5	1986.5	1990.3	1988.7	1987.1
5°	2090.1	2102.7	2105.3	2117.3	2125.9	2123.2	2124.6
7.5°	2203.0	2223.3	2243.3	2252.5	2253.9	2259.2	2261.2
10°	2272.5	2289.1	2320.3	2315.6	2338.9	2352.1	2330.2
12.5°	2339.4	2361.8	2383.5	2389.4	2402.6	2406.8	2398.2
15°	2399.9	2411.9	2413.2	2409.9	2413.8	2410.5	2397.9
17.5°	2343.4	2324.0	2284.7	2266.1	2251.4	2229.7	2220.9
20°	2250.0	2192.9	2126.5	2100.0	2068.8	2007.8	2022.4
22.5°	2048.3	1983.2	1916.9	1839.4	1802.4	1744.5	1741.0
25°	1734.4	1622.3	1498.9	1412.6	1362.2	1304.5	1279.2
27.5°	1348.5	1207.3	1106.2	1055.0	1008.4	962.6	960.8
30°	1094.8	988.6	910.3	866.5	838.0	818.8	822.8
32.5°	922.8	850.1	797.3	760.9	739.8	725.3	725.1
35°	754.4	704.6	670.8	655.5	640.3	629.7	630.3
37.5°	645.6	615.7	596.9	580.0	570.5	565.3	562.4
40°	589.9	565.3	550.7	540.8	532.8	525.5	524.2
42.5°	545.8	525.5	510.9	503.1	495.6	490.5	489.1
45°	484.4	467.8	454.5	445.9	442.6	437.9	437.9
47.5°	430.9	414.6	404.2	398.8	393.1	390.0	389.9
50°	394.8	382.2	372.9	369.6	364.9	362.9	362.3
52.5°	362.4	353.0	346.4	344.1	342.1	339.6	340.0
55°	318.5	313.2	310.5	308.5	305.2	301.2	303.9
57.5°	281.5	276.9	269.8	263.5	260.5	257.7	258.8
60°	255.5	246.2	236.9	229.6	227.6	221.6	221.6
62.5°	222.5	209.5	198.1	194.0	192.0	189.2	188.7
65°	171.2	165.9	163.2	160.6	159.2	159.2	157.9
67.5°	141.9	139.7	136.8	136.2	134.8	134.4	134.0
70°	125.4	122.7	121.4	120.8	119.4	120.1	118.1
72.5°	109.5	107.4	107.1	105.4	104.6	104.7	103.2
75°	86.3	86.3	85.6	84.9	83.6	82.9	83.6
77.5°	66.4	66.5	65.3	65.2	65.0	65.2	64.5
80°	53.1	53.7	53.1	52.4	51.8	52.4	51.8
82.5°	41.9	41.0	40.9	40.7	40.6	40.2	40.1
85°	23.9	24.5	23.9	23.2	23.2	23.2	23.9
87.5°	14.0	14.0	13.9	14.0	14.0	14.0	13.5
90°	25.0	24.7	24.6	24.7	24.9	25.1	25.2
92.5°	23.8	23.9	23.9	23.9	24.0	24.0	24.0
95°	47.5	47.5	47.3	47.0	46.7	46.3	46.0
97.5°	79.8	79.8	79.8	79.8	79.8	79.7	79.7
100°	102.4	102.4	102.3	102.2	102.0	101.8	101.7
102.5°	127.1	127.3	127.3	127.1	126.9	126.8	126.6
105°	164.2	164.6	164.7	164.7	164.7	164.7	164.7
107.5°	203.9	204.0	203.7	202.9	202.2	201.4	200.7
110°	230.8	230.8	230.5	230.0	229.5	229.0	228.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	257.5	257.1	256.7	256.4	256.0	255.6	255.3
115°	299.3	299.1	298.8	298.3	297.8	297.3	296.8
117.5°	339.3	338.9	338.4	337.9	337.4	336.9	336.4
120°	366.6	366.6	366.3	365.8	365.3	364.8	364.3
122.5°	393.9	393.5	393.1	392.7	392.4	392.0	391.7
125°	434.8	434.3	434.0	433.9	433.7	433.5	433.4
127.5°	474.6	474.0	473.5	472.9	472.4	471.9	471.4
130°	502.1	501.8	501.3	500.6	500.0	499.3	498.7
132.5°	528.2	527.5	526.9	526.4	525.8	525.3	524.8
135°	567.9	567.8	567.4	566.9	566.4	565.9	565.4
137.5°	605.4	605.3	604.9	604.2	603.6	602.9	602.2
140°	630.7	630.7	630.4	629.8	629.1	628.4	627.8
142.5°	653.7	653.8	653.6	652.9	652.2	651.6	650.9
145°	688.4	688.5	688.3	687.6	687.0	686.3	685.7
147.5°	718.9	719.3	719.2	718.6	717.9	717.3	716.7
150°	738.3	738.8	738.8	738.3	737.8	737.4	736.9
152.5°	757.7	758.4	758.4	757.7	757.1	756.5	755.9
155°	782.4	783.2	783.4	782.9	782.4	781.9	781.4
157.5°	805.2	806.3	806.5	805.7	804.9	804.1	803.3
160°	818.5	819.5	819.6	819.0	818.3	817.7	817.0
162.5°	830.8	831.9	832.0	831.2	830.5	829.7	828.9
165°	846.4	847.6	847.8	846.9	846.1	845.3	844.5
167.5°	859.3	860.5	860.6	859.8	858.9	858.1	857.2
170°	866.5	867.6	867.7	866.7	865.7	864.7	863.7
172.5°	871.8	873.0	873.0	872.1	871.1	870.1	869.1
175°	877.6	878.8	878.8	877.8	876.9	875.9	874.9
177.5°	879.9	880.7	880.7	879.9	879.1	878.3	877.5
180°	879.3	879.3	879.3	879.3	879.3	879.3	879.3

(END OF REPORT)