

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: P331829-940

Luminaire Tested: **S122RDIW-S865D710U940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331829-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122RDIW-S865D710U940-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 710 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5473.1 lumens
Efficiency: N/A
Efficacy: 102.1 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

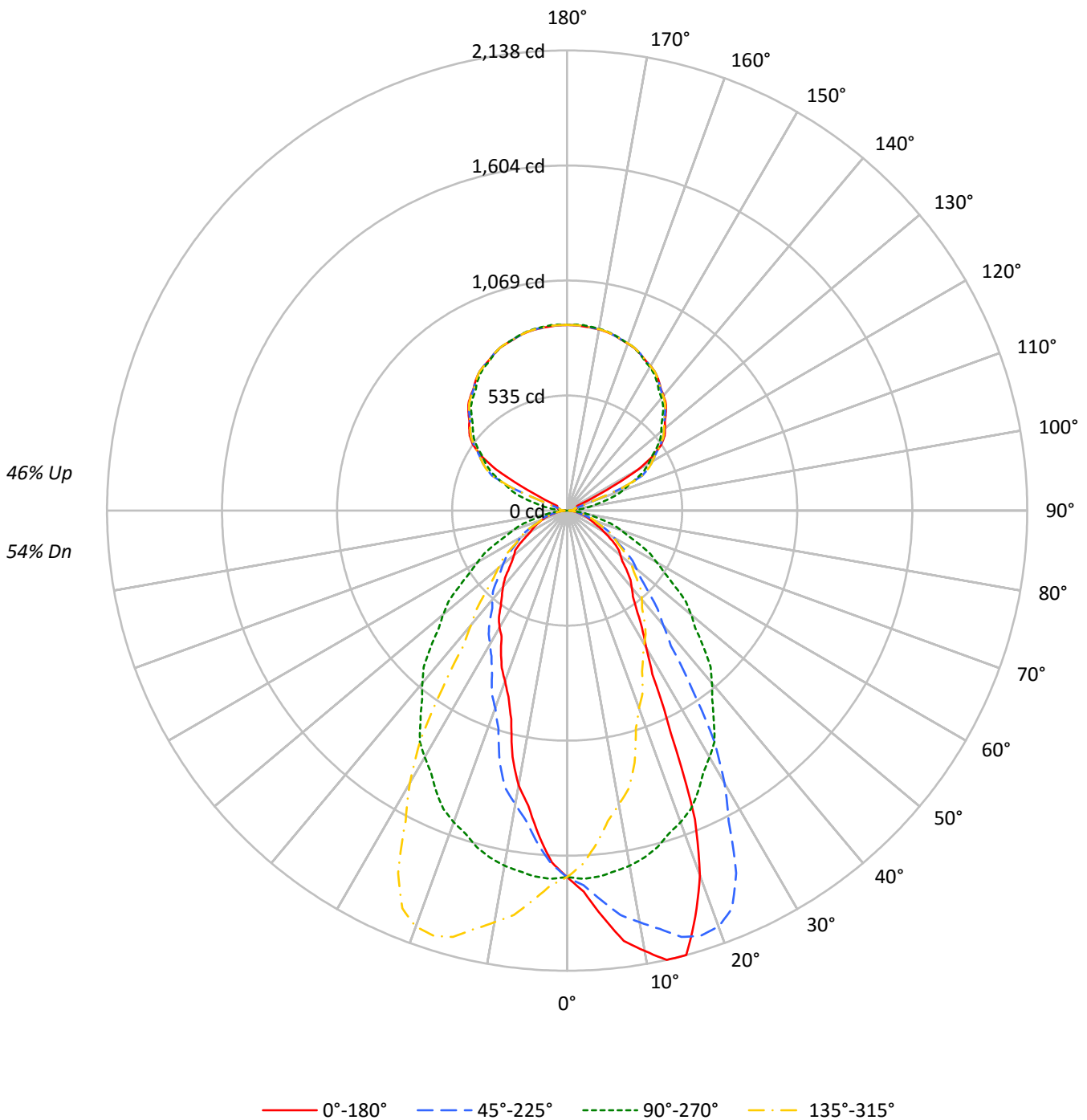
Input Watts (W): 53.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.4	2.9
10°-20°	449.8	8.2
20°-30°	579.6	10.6
30°-40°	550.8	10.1
40°-50°	471.8	8.6
50°-60°	359.3	6.6
60°-70°	227.1	4.2
70°-80°	113.4	2.1
80°-90°	31.6	0.6
90°-100°	28.8	0.5
100°-110°	105.5	1.9
110°-120°	282.1	5.2
120°-130°	465.6	8.5
130°-140°	495.2	9.0
140°-150°	460.3	8.4
150°-160°	370.1	6.8
160°-170°	238.5	4.4
170°-180°	82.1	1.5
0°-30°	1190.8	21.8
0°-40°	1741.6	31.8
0°-60°	2572.7	47.0
0°-90°	2944.9	53.8
90°-120°	416.4	7.6
90°-150°	1837.6	33.6
90°-180°	2528.0	46.2
0°-180°	5473.1	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°	17	1	17	1	17	8
95°	27	41	27	41	27	25
105°	47	190	47	190	47	49
115°	51	359	51	359	51	128
125°	534	508	534	508	534	462
135°	649	628	649	628	649	500
145°	740	728	740	728	740	463
155°	803	802	803	802	803	370
165°	843	845	843	845	843	238
175°	860	865	860	865	860	82
180°	863	863	863	863	863	



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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°	11.0	11.3	11.3	11.2	11.2	11.1	11.0	11.3	10.7	11.1	10.3
90°	16.9	16.6	16.3	16.1	15.8	15.2	14.5	13.9	13.2	12.5	11.4
92.5°	16.9	16.7	16.5	16.3	16.2	16.0	15.6	15.2	14.8	14.4	13.9
95°	26.8	27.0	27.1	27.3	27.4	27.1	26.4	25.8	25.1	24.3	23.4
97.5°	35.8	35.7	35.5	35.3	35.1	34.8	34.2	33.7	33.2	32.5	30.3
100°	41.8	41.6	41.3	41.0	40.8	40.0	38.9	37.8	36.6	35.6	33.3
102.5°	44.9	44.4	44.1	43.7	43.2	42.4	40.9	39.5	38.0	36.6	56.3
105°	47.4	46.9	46.4	45.7	45.2	44.1	42.6	41.1	39.6	38.1	76.0
107.5°	48.8	48.2	47.7	47.2	46.6	47.1	48.7	50.2	51.7	53.3	98.7
110°	49.3	48.8	48.2	47.6	47.1	53.8	67.6	81.5	95.4	109.2	149.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	49.8	49.4	49.0	48.5	48.1	73.1	123.8	174.3	225.0	275.5	285.4
115°	51.2	61.2	71.2	81.1	91.1	128.2	192.4	256.7	320.9	385.1	381.7
117.5°	209.0	241.8	274.6	307.5	340.3	364.4	380.0	395.6	411.1	426.6	424.2
120°	380.8	399.5	418.2	436.9	455.7	464.2	462.5	460.9	459.2	457.5	455.0
122.5°	475.2	478.8	482.4	486.1	489.7	491.1	490.0	489.0	488.0	487.1	484.3
125°	533.7	533.3	532.9	532.4	532.1	531.4	530.4	529.4	528.4	527.4	524.9
127.5°	570.7	570.6	570.5	570.4	570.3	569.6	568.2	566.8	565.3	563.9	562.0
130°	593.7	593.8	594.0	594.1	594.2	593.5	592.0	590.5	589.0	587.5	585.9
132.5°	616.2	616.3	616.4	616.5	616.7	616.1	614.8	613.5	612.2	610.9	609.4
135°	648.6	648.9	649.2	649.4	649.7	649.2	647.7	646.4	645.0	643.6	642.4
137.5°	678.1	678.7	679.1	679.6	680.1	679.7	678.2	676.9	675.6	674.2	672.8
140°	696.7	697.3	698.0	698.7	699.5	699.2	697.9	696.7	695.4	694.2	692.6
142.5°	714.6	715.3	716.0	716.8	717.4	717.2	716.0	714.9	713.8	712.7	710.9
145°	739.8	740.4	741.1	741.8	742.5	742.3	741.4	740.4	739.5	738.5	736.1
147.5°	761.8	762.4	763.0	763.6	764.2	764.1	763.4	762.7	762.0	761.2	758.8
150°	775.3	776.0	776.7	777.4	778.1	778.0	777.2	776.3	775.5	774.7	772.5
152.5°	786.8	787.7	788.6	789.5	790.5	790.5	789.7	788.8	788.0	787.2	785.1
155°	802.8	803.9	805.0	806.1	807.2	807.4	806.6	805.7	804.9	804.1	802.4
157.5°	817.3	818.5	819.6	820.6	821.7	821.8	820.8	819.9	818.9	818.0	816.8
160°	825.9	826.9	827.8	828.8	829.7	829.8	829.0	828.1	827.3	826.5	825.6
162.5°	832.9	834.0	835.3	836.4	837.7	837.8	836.8	835.9	834.9	834.0	833.3
165°	843.4	844.4	845.3	846.2	847.2	847.2	846.2	845.3	844.4	843.4	842.9
167.5°	850.0	851.2	852.5	853.7	855.0	855.1	854.2	853.2	852.2	851.2	850.9
170°	854.0	855.2	856.5	857.7	859.0	859.1	858.1	857.2	856.2	855.2	855.0
172.5°	856.9	858.2	859.4	860.7	861.9	862.1	861.1	860.1	859.2	858.2	857.9
175°	859.6	860.9	862.4	863.7	865.1	865.3	864.3	863.4	862.5	861.5	861.2
177.5°	861.2	862.2	863.2	864.2	865.2	865.3	864.5	863.8	863.0	862.2	862.1
180°	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7



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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°	10.1	10.3	10.2	9.4	9.5	9.7	11.8	13.8	12.3	11.1	10.5
90°	10.3	9.2	8.0	6.7	5.2	3.7	2.1	0.6	2.1	3.7	5.2
92.5°	13.4	12.8	12.3	12.0	12.2	12.3	12.5	12.6	12.5	12.3	12.2
95°	22.4	21.4	20.4	22.3	26.8	31.4	36.0	40.6	36.0	31.4	26.8
97.5°	28.1	25.9	23.6	28.9	41.8	54.8	67.6	80.5	67.6	54.8	41.8
100°	30.9	28.5	26.1	34.5	53.5	72.5	91.5	110.5	91.5	72.5	53.5
102.5°	76.1	95.8	115.5	127.3	131.3	135.4	139.5	143.5	139.5	135.4	131.3
105°	113.8	151.7	189.6	206.4	202.2	198.1	193.9	189.8	193.9	198.1	202.2
107.5°	144.2	189.6	235.0	256.0	252.6	249.3	245.9	242.5	245.9	249.3	252.6
110°	189.4	229.5	269.6	288.2	285.3	282.4	279.5	276.5	279.5	282.4	285.3



TEST NUMBER: P331829-940

CATALOG NUMBER: S122RDIW-S865D710U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	295.3	305.2	315.1	318.8	316.2	313.7	311.1	308.5	311.1	313.7	316.2
115°	378.3	374.8	371.3	368.4	366.0	363.6	361.3	358.9	361.3	363.6	366.0
117.5°	421.9	419.5	417.1	414.6	411.9	409.3	406.6	404.0	406.6	409.3	411.9
120°	452.5	450.0	447.5	445.3	443.2	441.1	439.1	436.9	439.1	441.1	443.2
122.5°	481.6	478.8	476.2	473.7	471.5	469.3	467.2	464.9	467.2	469.3	471.5
125°	522.2	519.6	516.9	514.7	512.9	511.1	509.3	507.5	509.3	511.1	512.9
127.5°	560.0	558.0	556.1	554.1	552.1	550.1	548.0	546.1	548.0	550.1	552.1
130°	584.3	582.8	581.3	579.4	577.2	575.0	572.7	570.5	572.7	575.0	577.2
132.5°	607.8	606.3	604.8	603.1	601.2	599.3	597.4	595.6	597.4	599.3	601.2
135°	641.1	639.9	638.6	636.9	634.6	632.4	630.2	628.0	630.2	632.4	634.6
137.5°	671.4	669.9	668.5	667.0	665.5	664.0	662.4	660.8	662.4	664.0	665.5
140°	691.1	689.6	688.0	686.7	685.6	684.5	683.4	682.3	683.4	684.5	685.6
142.5°	709.2	707.4	705.6	704.3	703.3	702.3	701.2	700.3	701.2	702.3	703.3
145°	733.8	731.4	729.1	727.9	728.1	728.3	728.3	728.5	728.3	728.3	728.1
147.5°	756.5	754.2	751.9	751.0	751.5	752.1	752.6	753.0	752.6	752.1	751.5
150°	770.3	768.0	765.8	765.2	766.2	767.1	768.1	769.1	768.1	767.1	766.2
152.5°	782.9	780.9	778.7	778.2	779.3	780.4	781.5	782.6	781.5	780.4	779.3
155°	800.7	799.1	797.4	797.2	798.4	799.7	800.9	802.2	800.9	799.7	798.4
157.5°	815.6	814.5	813.3	813.3	814.3	815.4	816.5	817.5	816.5	815.4	814.3
160°	824.8	824.0	823.1	823.1	824.0	824.8	825.6	826.5	825.6	824.8	824.0
162.5°	832.6	831.8	831.1	831.2	832.0	832.9	833.7	834.5	833.7	832.9	832.0
165°	842.5	842.1	841.7	841.9	842.8	843.6	844.4	845.3	844.4	843.6	842.8
167.5°	850.4	850.1	849.7	849.9	850.7	851.6	852.4	853.2	852.4	851.6	850.7
170°	854.7	854.3	854.1	854.3	855.2	856.0	856.8	857.7	856.8	856.0	855.2
172.5°	857.6	857.4	857.1	857.4	858.2	859.1	859.9	860.7	859.9	859.1	858.2
175°	860.9	860.6	860.3	860.7	861.7	862.6	863.6	864.6	863.6	862.6	861.7
177.5°	862.0	861.8	861.7	862.1	862.9	863.6	864.4	865.2	864.4	863.6	862.9
180°	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7



TEST NUMBER: P331829-940

CATALOG NUMBER: S122RDIW-S865D710U940-4F0-1E-UDD-A

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°	10.3	10.2	9.4	9.6	9.8	9.6	9.7	9.4	9.5	9.7	9.3
90°	6.7	8.0	9.2	10.3	11.4	12.5	13.2	13.9	14.5	15.2	15.8
92.5°	12.0	12.3	12.8	13.4	13.9	14.4	14.8	15.2	15.6	16.0	16.2
95°	22.3	20.4	21.4	22.4	23.4	24.3	25.1	25.8	26.4	27.1	27.4
97.5°	28.9	23.6	25.9	28.1	30.3	32.5	33.2	33.7	34.2	34.8	35.1
100°	34.5	26.1	28.5	30.9	33.3	35.6	36.6	37.8	38.9	40.0	40.8
102.5°	127.3	115.5	95.8	76.1	56.3	36.6	38.0	39.5	40.9	42.4	43.2
105°	206.4	189.6	151.7	113.8	76.0	38.1	39.6	41.1	42.6	44.1	45.2
107.5°	256.0	235.0	189.6	144.2	98.7	53.3	51.7	50.2	48.7	47.1	46.6
110°	288.2	269.6	229.5	189.4	149.4	109.2	95.4	81.5	67.6	53.8	47.1



TEST NUMBER: P331829-940

CATALOG NUMBER: S122RDIW-S865D710U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	318.8	315.1	305.2	295.3	285.4	275.5	225.0	174.3	123.8	73.1	48.1
115°	368.4	371.3	374.8	378.3	381.7	385.1	320.9	256.7	192.4	128.2	91.1
117.5°	414.6	417.1	419.5	421.9	424.2	426.6	411.1	395.6	380.0	364.4	340.3
120°	445.3	447.5	450.0	452.5	455.0	457.5	459.2	460.9	462.5	464.2	455.7
122.5°	473.7	476.2	478.8	481.6	484.3	487.1	488.0	489.0	490.0	491.1	489.7
125°	514.7	516.9	519.6	522.2	524.9	527.4	528.4	529.4	530.4	531.4	532.1
127.5°	554.1	556.1	558.0	560.0	562.0	563.9	565.3	566.8	568.2	569.6	570.3
130°	579.4	581.3	582.8	584.3	585.9	587.5	589.0	590.5	592.0	593.5	594.2
132.5°	603.1	604.8	606.3	607.8	609.4	610.9	612.2	613.5	614.8	616.1	616.7
135°	636.9	638.6	639.9	641.1	642.4	643.6	645.0	646.4	647.7	649.2	649.7
137.5°	667.0	668.5	669.9	671.4	672.8	674.2	675.6	676.9	678.2	679.7	680.1
140°	686.7	688.0	689.6	691.1	692.6	694.2	695.4	696.7	697.9	699.2	699.5
142.5°	704.3	705.6	707.4	709.2	710.9	712.7	713.8	714.9	716.0	717.2	717.4
145°	727.9	729.1	731.4	733.8	736.1	738.5	739.5	740.4	741.4	742.3	742.5
147.5°	751.0	751.9	754.2	756.5	758.8	761.2	762.0	762.7	763.4	764.1	764.2
150°	765.2	765.8	768.0	770.3	772.5	774.7	775.5	776.3	777.2	778.0	778.1
152.5°	778.2	778.7	780.9	782.9	785.1	787.2	788.0	788.8	789.7	790.5	790.5
155°	797.2	797.4	799.1	800.7	802.4	804.1	804.9	805.7	806.6	807.4	807.2
157.5°	813.3	813.3	814.5	815.6	816.8	818.0	818.9	819.9	820.8	821.8	821.7
160°	823.1	823.1	824.0	824.8	825.6	826.5	827.3	828.1	829.0	829.8	829.7
162.5°	831.2	831.1	831.8	832.6	833.3	834.0	834.9	835.9	836.8	837.8	837.7
165°	841.9	841.7	842.1	842.5	842.9	843.4	844.4	845.3	846.2	847.2	847.2
167.5°	849.9	849.7	850.1	850.4	850.9	851.2	852.2	853.2	854.2	855.1	855.0
170°	854.3	854.1	854.3	854.7	855.0	855.2	856.2	857.2	858.1	859.1	859.0
172.5°	857.4	857.1	857.4	857.6	857.9	858.2	859.2	860.1	861.1	862.1	861.9
175°	860.7	860.3	860.6	860.9	861.2	861.5	862.5	863.4	864.3	865.3	865.1
177.5°	862.1	861.7	861.8	862.0	862.1	862.2	863.0	863.8	864.5	865.3	865.2
180°	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7



TEST NUMBER: P331829-940

CATALOG NUMBER: S122RDIW-S865D710U940-4F0-1E-UDD-A

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°	9.4	8.9	9.5	9.0	9.5	8.9	9.4	9.3	9.7	9.5	9.4
90°	16.1	16.3	16.6	16.9	16.6	16.3	16.1	15.8	15.2	14.5	13.9
92.5°	16.3	16.5	16.7	16.9	16.7	16.5	16.3	16.2	16.0	15.6	15.2
95°	27.3	27.1	27.0	26.8	27.0	27.1	27.3	27.4	27.1	26.4	25.8
97.5°	35.3	35.5	35.7	35.8	35.7	35.5	35.3	35.1	34.8	34.2	33.7
100°	41.0	41.3	41.6	41.8	41.6	41.3	41.0	40.8	40.0	38.9	37.8
102.5°	43.7	44.1	44.4	44.9	44.4	44.1	43.7	43.2	42.4	40.9	39.5
105°	45.7	46.4	46.9	47.4	46.9	46.4	45.7	45.2	44.1	42.6	41.1
107.5°	47.2	47.7	48.2	48.8	48.2	47.7	47.2	46.6	47.1	48.7	50.2
110°	47.6	48.2	48.8	49.3	48.8	48.2	47.6	47.1	53.8	67.6	81.5



TEST NUMBER: P331829-940

CATALOG NUMBER: S122RDIW-S865D710U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	48.5	49.0	49.4	49.8	49.4	49.0	48.5	48.1	73.1	123.8	174.3
115°	81.1	71.2	61.2	51.2	61.2	71.2	81.1	91.1	128.2	192.4	256.7
117.5°	307.5	274.6	241.8	209.0	241.8	274.6	307.5	340.3	364.4	380.0	395.6
120°	436.9	418.2	399.5	380.8	399.5	418.2	436.9	455.7	464.2	462.5	460.9
122.5°	486.1	482.4	478.8	475.2	478.8	482.4	486.1	489.7	491.1	490.0	489.0
125°	532.4	532.9	533.3	533.7	533.3	532.9	532.4	532.1	531.4	530.4	529.4
127.5°	570.4	570.5	570.6	570.7	570.6	570.5	570.4	570.3	569.6	568.2	566.8
130°	594.1	594.0	593.8	593.7	593.8	594.0	594.1	594.2	593.5	592.0	590.5
132.5°	616.5	616.4	616.3	616.2	616.3	616.4	616.5	616.7	616.1	614.8	613.5
135°	649.4	649.2	648.9	648.6	648.9	649.2	649.4	649.7	649.2	647.7	646.4
137.5°	679.6	679.1	678.7	678.1	678.7	679.1	679.6	680.1	679.7	678.2	676.9
140°	698.7	698.0	697.3	696.7	697.3	698.0	698.7	699.5	699.2	697.9	696.7
142.5°	716.8	716.0	715.3	714.6	715.3	716.0	716.8	717.4	717.2	716.0	714.9
145°	741.8	741.1	740.4	739.8	740.4	741.1	741.8	742.5	742.3	741.4	740.4
147.5°	763.6	763.0	762.4	761.8	762.4	763.0	763.6	764.2	764.1	763.4	762.7
150°	777.4	776.7	776.0	775.3	776.0	776.7	777.4	778.1	778.0	777.2	776.3
152.5°	789.5	788.6	787.7	786.8	787.7	788.6	789.5	790.5	790.5	789.7	788.8
155°	806.1	805.0	803.9	802.8	803.9	805.0	806.1	807.2	807.4	806.6	805.7
157.5°	820.6	819.6	818.5	817.3	818.5	819.6	820.6	821.7	821.8	820.8	819.9
160°	828.8	827.8	826.9	825.9	826.9	827.8	828.8	829.7	829.8	829.0	828.1
162.5°	836.4	835.3	834.0	832.9	834.0	835.3	836.4	837.7	837.8	836.8	835.9
165°	846.2	845.3	844.4	843.4	844.4	845.3	846.2	847.2	847.2	846.2	845.3
167.5°	853.7	852.5	851.2	850.0	851.2	852.5	853.7	855.0	855.1	854.2	853.2
170°	857.7	856.5	855.2	854.0	855.2	856.5	857.7	859.0	859.1	858.1	857.2
172.5°	860.7	859.4	858.2	856.9	858.2	859.4	860.7	861.9	862.1	861.1	860.1
175°	863.7	862.4	860.9	859.6	860.9	862.4	863.7	865.1	865.3	864.3	863.4
177.5°	864.2	863.2	862.2	861.2	862.2	863.2	864.2	865.2	865.3	864.5	863.8
180°	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7



TEST NUMBER: P331829-940

CATALOG NUMBER: S122RDIW-S865D710U940-4F0-1E-UDD-A

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°	9.7	9.6	9.8	9.6	9.4	10.2	10.3	10.5	11.1	12.3	13.8
90°	13.2	12.5	11.4	10.3	9.2	8.0	6.7	5.2	3.7	2.1	0.6
92.5°	14.8	14.4	13.9	13.4	12.8	12.3	12.0	12.2	12.3	12.5	12.6
95°	25.1	24.3	23.4	22.4	21.4	20.4	22.3	26.8	31.4	36.0	40.6
97.5°	33.2	32.5	30.3	28.1	25.9	23.6	28.9	41.8	54.8	67.6	80.5
100°	36.6	35.6	33.3	30.9	28.5	26.1	34.5	53.5	72.5	91.5	110.5
102.5°	38.0	36.6	56.3	76.1	95.8	115.5	127.3	131.3	135.4	139.5	143.5
105°	39.6	38.1	76.0	113.8	151.7	189.6	206.4	202.2	198.1	193.9	189.8
107.5°	51.7	53.3	98.7	144.2	189.6	235.0	256.0	252.6	249.3	245.9	242.5
110°	95.4	109.2	149.4	189.4	229.5	269.6	288.2	285.3	282.4	279.5	276.5



TEST NUMBER: P331829-940

CATALOG NUMBER: S122RDIW-S865D710U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	225.0	275.5	285.4	295.3	305.2	315.1	318.8	316.2	313.7	311.1	308.5
115°	320.9	385.1	381.7	378.3	374.8	371.3	368.4	366.0	363.6	361.3	358.9
117.5°	411.1	426.6	424.2	421.9	419.5	417.1	414.6	411.9	409.3	406.6	404.0
120°	459.2	457.5	455.0	452.5	450.0	447.5	445.3	443.2	441.1	439.1	436.9
122.5°	488.0	487.1	484.3	481.6	478.8	476.2	473.7	471.5	469.3	467.2	464.9
125°	528.4	527.4	524.9	522.2	519.6	516.9	514.7	512.9	511.1	509.3	507.5
127.5°	565.3	563.9	562.0	560.0	558.0	556.1	554.1	552.1	550.1	548.0	546.1
130°	589.0	587.5	585.9	584.3	582.8	581.3	579.4	577.2	575.0	572.7	570.5
132.5°	612.2	610.9	609.4	607.8	606.3	604.8	603.1	601.2	599.3	597.4	595.6
135°	645.0	643.6	642.4	641.1	639.9	638.6	636.9	634.6	632.4	630.2	628.0
137.5°	675.6	674.2	672.8	671.4	669.9	668.5	667.0	665.5	664.0	662.4	660.8
140°	695.4	694.2	692.6	691.1	689.6	688.0	686.7	685.6	684.5	683.4	682.3
142.5°	713.8	712.7	710.9	709.2	707.4	705.6	704.3	703.3	702.3	701.2	700.3
145°	739.5	738.5	736.1	733.8	731.4	729.1	727.9	728.1	728.3	728.3	728.5
147.5°	762.0	761.2	758.8	756.5	754.2	751.9	751.0	751.5	752.1	752.6	753.0
150°	775.5	774.7	772.5	770.3	768.0	765.8	765.2	766.2	767.1	768.1	769.1
152.5°	788.0	787.2	785.1	782.9	780.9	778.7	778.2	779.3	780.4	781.5	782.6
155°	804.9	804.1	802.4	800.7	799.1	797.4	797.2	798.4	799.7	800.9	802.2
157.5°	818.9	818.0	816.8	815.6	814.5	813.3	813.3	814.3	815.4	816.5	817.5
160°	827.3	826.5	825.6	824.8	824.0	823.1	823.1	824.0	824.8	825.6	826.5
162.5°	834.9	834.0	833.3	832.6	831.8	831.1	831.2	832.0	832.9	833.7	834.5
165°	844.4	843.4	842.9	842.5	842.1	841.7	841.9	842.8	843.6	844.4	845.3
167.5°	852.2	851.2	850.9	850.4	850.1	849.7	849.9	850.7	851.6	852.4	853.2
170°	856.2	855.2	855.0	854.7	854.3	854.1	854.3	855.2	856.0	856.8	857.7
172.5°	859.2	858.2	857.9	857.6	857.4	857.1	857.4	858.2	859.1	859.9	860.7
175°	862.5	861.5	861.2	860.9	860.6	860.3	860.7	861.7	862.6	863.6	864.6
177.5°	863.0	862.2	862.1	862.0	861.8	861.7	862.1	862.9	863.6	864.4	865.2
180°	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7



TEST NUMBER: P331829-940

CATALOG NUMBER: S122RDIW-S865D710U940-4F0-1E-UDD-A

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°	11.8	9.7	9.5	9.4	10.2	10.3	10.1	10.3	11.1	10.7	11.3
90°	2.1	3.7	5.2	6.7	8.0	9.2	10.3	11.4	12.5	13.2	13.9
92.5°	12.5	12.3	12.2	12.0	12.3	12.8	13.4	13.9	14.4	14.8	15.2
95°	36.0	31.4	26.8	22.3	20.4	21.4	22.4	23.4	24.3	25.1	25.8
97.5°	67.6	54.8	41.8	28.9	23.6	25.9	28.1	30.3	32.5	33.2	33.7
100°	91.5	72.5	53.5	34.5	26.1	28.5	30.9	33.3	35.6	36.6	37.8
102.5°	139.5	135.4	131.3	127.3	115.5	95.8	76.1	56.3	36.6	38.0	39.5
105°	193.9	198.1	202.2	206.4	189.6	151.7	113.8	76.0	38.1	39.6	41.1
107.5°	245.9	249.3	252.6	256.0	235.0	189.6	144.2	98.7	53.3	51.7	50.2
110°	279.5	282.4	285.3	288.2	269.6	229.5	189.4	149.4	109.2	95.4	81.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	311.1	313.7	316.2	318.8	315.1	305.2	295.3	285.4	275.5	225.0	174.3
115°	361.3	363.6	366.0	368.4	371.3	374.8	378.3	381.7	385.1	320.9	256.7
117.5°	406.6	409.3	411.9	414.6	417.1	419.5	421.9	424.2	426.6	411.1	395.6
120°	439.1	441.1	443.2	445.3	447.5	450.0	452.5	455.0	457.5	459.2	460.9
122.5°	467.2	469.3	471.5	473.7	476.2	478.8	481.6	484.3	487.1	488.0	489.0
125°	509.3	511.1	512.9	514.7	516.9	519.6	522.2	524.9	527.4	528.4	529.4
127.5°	548.0	550.1	552.1	554.1	556.1	558.0	560.0	562.0	563.9	565.3	566.8
130°	572.7	575.0	577.2	579.4	581.3	582.8	584.3	585.9	587.5	589.0	590.5
132.5°	597.4	599.3	601.2	603.1	604.8	606.3	607.8	609.4	610.9	612.2	613.5
135°	630.2	632.4	634.6	636.9	638.6	639.9	641.1	642.4	643.6	645.0	646.4
137.5°	662.4	664.0	665.5	667.0	668.5	669.9	671.4	672.8	674.2	675.6	676.9
140°	683.4	684.5	685.6	686.7	688.0	689.6	691.1	692.6	694.2	695.4	696.7
142.5°	701.2	702.3	703.3	704.3	705.6	707.4	709.2	710.9	712.7	713.8	714.9
145°	728.3	728.3	728.1	727.9	729.1	731.4	733.8	736.1	738.5	739.5	740.4
147.5°	752.6	752.1	751.5	751.0	751.9	754.2	756.5	758.8	761.2	762.0	762.7
150°	768.1	767.1	766.2	765.2	765.8	768.0	770.3	772.5	774.7	775.5	776.3
152.5°	781.5	780.4	779.3	778.2	778.7	780.9	782.9	785.1	787.2	788.0	788.8
155°	800.9	799.7	798.4	797.2	797.4	799.1	800.7	802.4	804.1	804.9	805.7
157.5°	816.5	815.4	814.3	813.3	813.3	814.5	815.6	816.8	818.0	818.9	819.9
160°	825.6	824.8	824.0	823.1	823.1	824.0	824.8	825.6	826.5	827.3	828.1
162.5°	833.7	832.9	832.0	831.2	831.1	831.8	832.6	833.3	834.0	834.9	835.9
165°	844.4	843.6	842.8	841.9	841.7	842.1	842.5	842.9	843.4	844.4	845.3
167.5°	852.4	851.6	850.7	849.9	849.7	850.1	850.4	850.9	851.2	852.2	853.2
170°	856.8	856.0	855.2	854.3	854.1	854.3	854.7	855.0	855.2	856.2	857.2
172.5°	859.9	859.1	858.2	857.4	857.1	857.4	857.6	857.9	858.2	859.2	860.1
175°	863.6	862.6	861.7	860.7	860.3	860.6	860.9	861.2	861.5	862.5	863.4
177.5°	864.4	863.6	862.9	862.1	861.7	861.8	862.0	862.1	862.2	863.0	863.8
180°	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7



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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°	11.0	11.1	11.2	11.2	11.3	11.3	11.0
90°	14.5	15.2	15.8	16.1	16.3	16.6	16.9
92.5°	15.6	16.0	16.2	16.3	16.5	16.7	16.9
95°	26.4	27.1	27.4	27.3	27.1	27.0	26.8
97.5°	34.2	34.8	35.1	35.3	35.5	35.7	35.8
100°	38.9	40.0	40.8	41.0	41.3	41.6	41.8
102.5°	40.9	42.4	43.2	43.7	44.1	44.4	44.9
105°	42.6	44.1	45.2	45.7	46.4	46.9	47.4
107.5°	48.7	47.1	46.6	47.2	47.7	48.2	48.8
110°	67.6	53.8	47.1	47.6	48.2	48.8	49.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	123.8	73.1	48.1	48.5	49.0	49.4	49.8
115°	192.4	128.2	91.1	81.1	71.2	61.2	51.2
117.5°	380.0	364.4	340.3	307.5	274.6	241.8	209.0
120°	462.5	464.2	455.7	436.9	418.2	399.5	380.8
122.5°	490.0	491.1	489.7	486.1	482.4	478.8	475.2
125°	530.4	531.4	532.1	532.4	532.9	533.3	533.7
127.5°	568.2	569.6	570.3	570.4	570.5	570.6	570.7
130°	592.0	593.5	594.2	594.1	594.0	593.8	593.7
132.5°	614.8	616.1	616.7	616.5	616.4	616.3	616.2
135°	647.7	649.2	649.7	649.4	649.2	648.9	648.6
137.5°	678.2	679.7	680.1	679.6	679.1	678.7	678.1
140°	697.9	699.2	699.5	698.7	698.0	697.3	696.7
142.5°	716.0	717.2	717.4	716.8	716.0	715.3	714.6
145°	741.4	742.3	742.5	741.8	741.1	740.4	739.8
147.5°	763.4	764.1	764.2	763.6	763.0	762.4	761.8
150°	777.2	778.0	778.1	777.4	776.7	776.0	775.3
152.5°	789.7	790.5	790.5	789.5	788.6	787.7	786.8
155°	806.6	807.4	807.2	806.1	805.0	803.9	802.8
157.5°	820.8	821.8	821.7	820.6	819.6	818.5	817.3
160°	829.0	829.8	829.7	828.8	827.8	826.9	825.9
162.5°	836.8	837.8	837.7	836.4	835.3	834.0	832.9
165°	846.2	847.2	847.2	846.2	845.3	844.4	843.4
167.5°	854.2	855.1	855.0	853.7	852.5	851.2	850.0
170°	858.1	859.1	859.0	857.7	856.5	855.2	854.0
172.5°	861.1	862.1	861.9	860.7	859.4	858.2	856.9
175°	864.3	865.3	865.1	863.7	862.4	860.9	859.6
177.5°	864.5	865.3	865.2	864.2	863.2	862.2	861.2
180°	862.7	862.7	862.7	862.7	862.7	862.7	862.7

(END OF REPORT)