

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: P333055-840

Luminaire Tested: **S124RDIW-S795D470U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333055-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124RDIW-S795D470U840-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 470 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5264.2 lumens
Efficiency: N/A
Efficacy: 139.6 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Direct

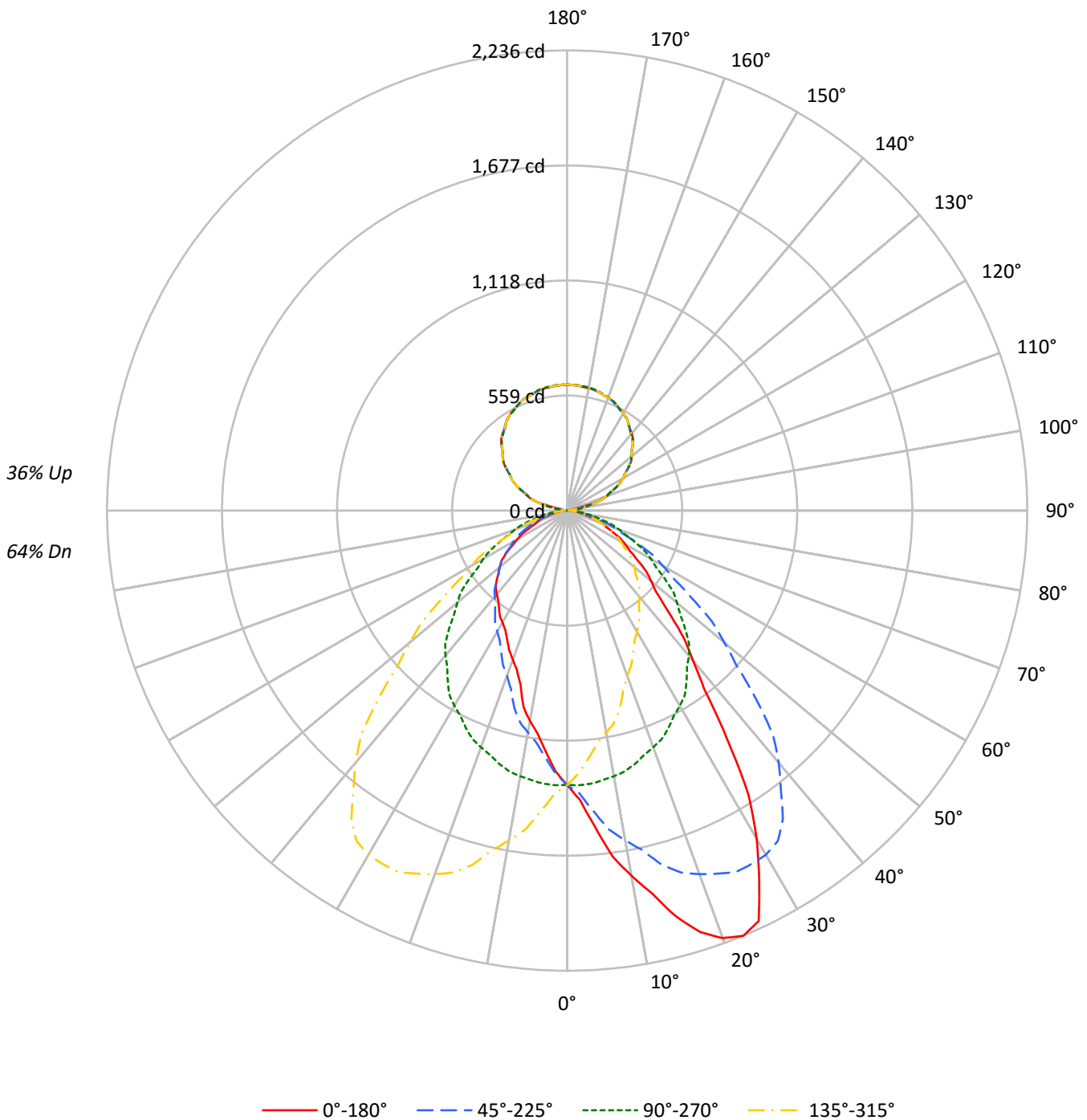
Input Watts (W): 37.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	110	110	110	104	104	104	104	91	91	91	80	80	80	69	69	69	64
1	102	97	94	90	95	92	88	85	81	78	76	71	69	68	62	61	60	55
2	93	86	80	75	87	81	76	71	72	68	64	63	60	57	55	53	51	47
3	85	76	69	63	80	72	65	60	64	59	55	56	52	49	49	47	44	41
4	78	68	60	54	73	64	57	51	57	51	47	51	46	43	45	41	38	35
5	72	61	52	47	68	57	50	45	51	45	41	46	41	37	40	37	34	31
6	67	55	46	41	62	52	44	39	46	40	36	41	37	33	37	33	30	27
7	62	49	42	36	58	47	40	35	42	36	32	38	33	29	34	30	27	24
8	57	45	37	32	54	43	36	31	39	33	29	35	30	26	31	27	24	22
9	54	41	34	29	50	39	32	28	36	30	26	32	27	24	29	25	22	20
10	50	38	31	26	47	36	30	25	33	27	23	30	25	22	27	23	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10761	10761	10761	10761
5°	12482	10794	9541	10794
10°	14767	10747	8515	10747
15°	17057	10647	7317	10647
20°	18991	10511	6617	10511
25°	19605	10377	6143	10377
30°	17162	10213	5857	10213
35°	13360	9973	5685	9973
40°	10019	9695	5593	9695
45°	7911	9252	5543	9252
50°	6678	8743	5383	8743
55°	5820	8179	5095	8179
60°	5238	7597	4510	7597
65°	4617	6967	3878	6967
70°	4157	6314	3498	6314
75°	3484	5596	2982	5596
80°	2947	4770	2799	4770
85°	2492	3733	2492	3733



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.2	2.5
10°-20°	389.6	7.4
20°-30°	609.4	11.6
30°-40°	677.4	12.9
40°-50°	601.0	11.4
50°-60°	468.4	8.9
60°-70°	306.6	5.8
70°-80°	150.8	2.9
80°-90°	39.0	0.7
90°-100°	20.9	0.4
100°-110°	133.4	2.5
110°-120°	255.3	4.8
120°-130°	324.0	6.2
130°-140°	346.7	6.6
140°-150°	324.2	6.2
150°-160°	261.4	5.0
160°-170°	168.6	3.2
170°-180°	58.1	1.1
0°-30°	1128.1	21.4
0°-40°	1805.6	34.3
0°-60°	2875.0	54.6
0°-90°	3371.4	64.0
90°-120°	409.6	7.8
90°-150°	1404.6	26.7
90°-180°	1893.0	36.0
0°-180°	5264.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1333	1333	1333	1333	1333	
5°	1540	1332	1177	1332	1540	156
15°	2041	1274	876	1274	2041	580
25°	2201	1165	690	1165	2201	976
35°	1356	1012	577	1012	1356	850
45°	693	810	486	810	693	549
55°	414	581	362	581	414	376
65°	242	365	203	365	242	243
75°	112	179	96	179	112	123
85°	27	40	27	40	27	31
90°	14	1	14	1	14	7
95°	13	25	13	25	13	11
105°	130	138	130	138	130	114
115°	259	257	259	257	259	256
125°	364	362	364	362	364	324
135°	452	448	452	448	452	348
145°	520	517	520	517	520	325
155°	567	567	567	567	567	261
165°	595	598	595	598	595	168
175°	608	612	608	612	608	58
180°	612	612	612	612	612	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0
2.5°	1406.0	1410.0	1406.0	1405.6	1401.4	1400.1	1398.4	1392.8	1382.4	1376.4	1377.8
5°	1540.3	1553.8	1546.3	1545.2	1533.4	1521.6	1514.0	1496.8	1478.5	1466.2	1456.0
7.5°	1695.7	1703.4	1698.7	1691.1	1672.0	1661.2	1643.8	1621.1	1588.4	1563.4	1540.4
10°	1801.4	1807.9	1805.6	1791.7	1777.8	1749.3	1733.1	1701.5	1660.1	1627.4	1596.8
12.5°	1905.3	1912.3	1893.3	1894.0	1867.5	1845.1	1819.6	1779.7	1731.9	1689.7	1651.3
15°	2040.9	2032.4	2032.4	2021.5	1992.1	1960.9	1934.6	1892.7	1832.5	1782.0	1728.9
17.5°	2147.1	2150.0	2145.7	2120.3	2097.1	2064.9	2016.6	1967.7	1911.9	1844.1	1789.8
20°	2210.6	2210.6	2205.8	2188.6	2158.6	2124.2	2072.0	2018.9	1948.0	1879.8	1818.6
22.5°	2236.4	2238.2	2232.4	2218.3	2191.2	2157.7	2113.3	2059.3	1986.2	1909.5	1833.6
25°	2201.0	2211.2	2212.2	2208.5	2200.4	2180.0	2141.9	2086.6	2021.0	1937.8	1856.1
27.5°	2020.7	2033.6	2044.9	2063.5	2088.2	2101.0	2102.7	2074.7	2017.5	1937.3	1855.2
30°	1841.1	1851.9	1886.7	1932.4	1967.9	2000.1	2028.0	2035.6	2003.4	1931.4	1844.9
32.5°	1641.7	1656.4	1691.3	1740.4	1799.5	1854.0	1916.7	1948.7	1947.9	1904.7	1824.7
35°	1355.6	1366.3	1398.6	1450.2	1521.1	1602.2	1701.5	1778.8	1831.5	1827.7	1778.8
37.5°	1093.3	1105.4	1138.0	1180.7	1249.5	1349.9	1446.0	1552.6	1649.9	1704.6	1688.3
40°	950.7	951.2	982.9	1026.9	1091.4	1178.9	1283.6	1401.8	1510.3	1598.9	1616.1
42.5°	838.1	838.2	859.1	906.6	953.0	1035.4	1135.4	1252.7	1379.7	1482.1	1527.6
45°	692.9	697.7	714.9	743.4	779.8	849.7	929.7	1038.7	1181.0	1302.4	1378.2
47.5°	586.7	593.8	604.7	627.9	657.0	703.6	769.7	867.7	983.5	1117.0	1224.8
50°	531.7	532.8	546.7	559.7	584.9	622.0	679.9	761.5	867.9	996.3	1116.1
52.5°	484.4	484.2	492.6	509.0	529.5	558.4	605.2	679.5	773.9	888.9	1012.5
55°	413.5	416.3	422.7	435.6	451.1	471.6	508.6	564.5	638.6	736.9	849.1
57.5°	359.6	361.0	366.1	371.5	385.9	400.7	428.5	467.3	529.8	610.3	714.9
60°	324.4	325.0	326.6	334.6	345.9	359.8	378.6	411.4	464.0	537.7	620.4
62.5°	290.0	290.9	293.5	299.3	308.1	317.7	337.4	363.8	407.3	470.2	544.7
65°	241.7	242.3	246.0	248.1	255.1	263.7	278.2	295.9	326.0	378.6	435.0
67.5°	202.0	202.0	202.2	205.1	209.8	215.6	224.3	238.4	261.2	293.5	343.2
70°	176.1	176.1	177.2	178.8	181.6	186.3	191.2	202.0	218.6	244.9	283.1
72.5°	152.1	152.5	153.6	153.9	155.3	159.3	162.9	169.8	182.1	202.0	232.8
75°	111.7	113.3	116.0	118.2	120.9	120.3	124.1	128.4	132.1	143.9	161.7
77.5°	83.1	82.3	82.6	84.4	84.7	85.3	88.0	91.3	94.1	99.7	106.0
80°	63.4	63.4	65.0	65.5	65.0	65.5	68.2	69.8	70.9	73.0	79.0
82.5°	47.9	48.8	48.3	48.8	49.1	49.6	51.9	52.2	53.3	54.1	56.7
85°	26.9	27.4	28.0	26.9	26.9	26.9	28.0	28.5	29.6	29.0	30.1
87.5°	12.2	11.7	12.1	12.1	12.4	11.9	12.2	13.0	12.0	12.3	12.1
90°	13.7	13.5	13.3	13.1	12.9	12.5	11.9	11.3	10.7	10.1	9.3
92.5°	12.6	12.6	12.5	12.5	12.4	12.1	11.5	10.9	10.3	9.7	8.9
95°	13.2	13.1	13.0	12.9	12.8	12.5	11.9	11.3	10.7	10.1	10.0
97.5°	12.8	12.7	12.6	12.5	12.4	12.3	12.2	12.2	12.1	12.1	23.4
100°	12.8	12.7	12.6	12.5	12.4	13.2	14.9	16.7	18.4	20.1	34.1
102.5°	13.2	13.1	13.1	13.1	13.1	22.4	41.1	59.7	78.4	97.0	98.9
105°	130.5	134.1	137.7	141.4	145.1	146.4	145.5	144.6	143.7	142.8	142.3
107.5°	181.8	181.4	181.0	180.7	180.3	179.9	179.4	178.9	178.4	178.0	177.3
110°	204.1	203.8	203.5	203.2	202.9	202.7	202.5	202.3	202.1	201.9	201.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	226.4	226.1	225.7	225.3	224.9	224.7	224.8	224.8	224.9	224.9	224.6
115°	259.0	259.0	259.0	259.0	259.0	258.9	258.7	258.5	258.3	258.1	258.2
117.5°	292.2	292.3	292.3	292.3	292.4	292.4	292.5	292.5	292.5	292.6	292.4
120°	313.1	313.3	313.5	313.7	313.9	313.9	313.7	313.5	313.3	313.1	313.2
122.5°	333.6	333.8	334.0	334.2	334.4	334.4	334.3	334.2	334.1	334.0	333.8
125°	364.3	364.2	364.1	364.0	363.9	363.7	363.3	363.0	362.7	362.4	362.6
127.5°	391.3	391.4	391.4	391.5	391.6	391.7	391.7	391.8	391.9	391.9	391.5
130°	409.6	409.6	409.6	409.6	409.6	409.6	409.5	409.4	409.3	409.2	408.9
132.5°	426.5	426.6	426.7	426.7	426.8	426.8	426.7	426.6	426.5	426.4	426.0
135°	451.7	451.5	451.3	451.1	450.9	450.7	450.5	450.3	450.1	449.9	449.5
137.5°	473.3	473.4	473.4	473.5	473.5	473.5	473.2	473.0	472.8	472.6	472.1
140°	488.4	488.3	488.2	488.1	488.0	487.8	487.5	487.2	486.9	486.6	486.4
142.5°	500.8	500.8	500.8	500.7	500.7	500.6	500.4	500.1	499.9	499.7	499.6
145°	519.9	519.7	519.5	519.3	519.1	519.0	518.9	518.8	518.7	518.6	518.6
147.5°	535.7	535.6	535.5	535.4	535.3	535.2	535.1	535.1	535.0	534.9	535.0
150°	546.0	545.9	545.8	545.7	545.6	545.5	545.5	545.5	545.5	545.5	545.6
152.5°	554.8	554.8	554.9	555.0	555.0	555.0	554.8	554.6	554.5	554.3	554.5
155°	566.6	566.9	567.2	567.5	567.8	567.7	567.3	566.9	566.5	566.1	566.4
157.5°	576.5	577.0	577.5	578.0	578.6	578.6	578.0	577.5	577.0	576.5	576.8
160°	583.1	583.7	584.3	584.9	585.5	585.5	584.9	584.3	583.7	583.1	583.2
162.5°	588.2	588.9	589.6	590.3	591.0	591.0	590.4	589.8	589.2	588.5	588.7
165°	595.4	596.3	597.2	598.1	599.1	599.2	598.3	597.5	596.7	595.9	595.9
167.5°	600.9	601.9	602.9	603.9	604.9	605.0	604.1	603.2	602.3	601.4	601.5
170°	604.1	605.1	606.1	607.1	608.2	608.3	607.4	606.6	605.8	605.0	604.9
172.5°	605.9	607.0	608.1	609.3	610.4	610.5	609.7	608.8	608.0	607.2	607.1
175°	608.2	609.5	610.7	611.9	613.1	613.3	612.4	611.5	610.6	609.7	609.6
177.5°	609.8	610.7	611.7	612.7	613.6	613.8	613.1	612.5	611.8	611.2	611.0
180°	611.9	611.9	611.9	611.9	611.9	611.9	611.9	611.9	611.9	611.9	611.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0
2.5°	1373.4	1367.5	1364.4	1357.6	1349.4	1345.0	1341.2	1335.6	1328.3	1320.6	1314.9
5°	1443.1	1430.3	1414.1	1394.8	1377.7	1361.0	1346.5	1332.0	1315.3	1298.1	1280.9
7.5°	1514.7	1489.3	1462.0	1430.3	1399.5	1371.4	1345.6	1320.9	1292.9	1268.0	1245.2
10°	1564.5	1530.1	1492.0	1451.8	1411.5	1376.5	1342.2	1311.0	1276.7	1246.1	1220.2
12.5°	1604.9	1564.5	1518.6	1468.4	1420.1	1377.9	1338.3	1297.7	1258.6	1225.4	1191.0
15°	1671.9	1616.6	1554.9	1494.7	1431.9	1374.4	1321.2	1273.9	1229.4	1182.7	1149.9
17.5°	1718.0	1652.3	1577.3	1505.0	1430.8	1363.0	1301.7	1245.4	1194.0	1146.2	1107.2
20°	1745.6	1673.0	1589.7	1507.6	1424.3	1351.8	1285.8	1223.5	1170.3	1118.7	1078.4
22.5°	1761.0	1680.7	1589.7	1503.7	1417.4	1339.0	1266.5	1201.5	1143.7	1092.1	1047.5
25°	1766.0	1680.0	1587.1	1488.2	1393.7	1310.5	1235.3	1165.0	1100.4	1048.9	1001.7
27.5°	1759.1	1657.9	1562.7	1461.3	1363.7	1276.0	1197.1	1123.2	1058.6	1003.3	954.8
30°	1748.8	1640.2	1538.2	1432.9	1334.1	1249.8	1166.5	1095.6	1028.5	971.1	922.2
32.5°	1726.4	1618.8	1508.9	1401.2	1301.0	1214.2	1135.2	1063.9	998.0	939.3	887.4
35°	1682.1	1573.2	1453.9	1343.2	1245.0	1154.7	1080.7	1011.9	949.1	886.2	831.4
37.5°	1623.9	1512.5	1393.8	1272.6	1174.3	1089.1	1021.1	956.5	895.2	837.9	777.2
40°	1568.8	1467.3	1344.8	1224.6	1123.6	1041.4	978.6	920.0	858.3	801.3	740.6
42.5°	1502.2	1415.7	1292.0	1171.2	1071.6	992.4	933.9	876.7	820.4	765.3	702.0
45°	1391.1	1325.5	1209.5	1093.5	993.1	914.6	860.9	810.4	761.0	708.4	648.8
47.5°	1263.6	1219.3	1119.1	1000.4	907.5	836.9	785.0	743.8	702.0	649.3	597.0
50°	1175.2	1146.7	1050.0	941.5	852.9	787.9	734.8	696.1	661.2	610.7	563.9
52.5°	1080.7	1065.5	983.8	880.1	794.5	730.7	685.3	650.6	615.2	573.3	529.6
55°	936.6	944.7	875.5	785.8	705.2	651.5	610.2	581.1	551.1	515.6	481.8
57.5°	789.5	818.9	772.4	693.7	618.1	568.6	537.5	513.0	487.8	458.4	429.5
60°	701.5	726.1	699.8	630.6	564.5	518.3	489.3	470.5	445.2	418.4	396.4
62.5°	615.5	642.0	626.3	570.4	509.1	469.3	443.7	426.3	407.5	384.1	361.1
65°	507.6	524.7	517.3	478.6	435.0	401.2	377.6	364.7	347.5	330.3	309.9
67.5°	388.7	421.9	417.6	397.0	359.4	333.0	317.5	306.1	290.4	277.7	263.8
70°	319.5	350.2	349.6	333.0	312.6	287.9	277.1	267.5	253.5	241.2	229.8
72.5°	261.6	289.6	293.8	281.0	267.0	248.3	238.0	231.4	217.8	209.3	200.3
75°	183.2	203.6	208.9	208.9	202.5	192.8	183.7	179.4	169.8	162.2	156.8
77.5°	120.1	133.0	141.4	143.3	144.3	141.1	133.5	130.5	123.1	120.4	115.2
80°	84.8	93.4	103.1	106.3	109.1	108.0	104.7	102.6	95.6	92.9	90.8
82.5°	58.7	63.4	71.3	78.4	77.7	80.5	77.7	75.9	70.7	69.7	67.6
85°	30.6	31.1	32.2	37.1	39.8	40.8	41.4	40.3	38.7	38.7	34.9
87.5°	12.0	11.4	12.1	11.9	12.1	13.6	14.6	14.8	13.8	12.7	11.7
90°	8.5	7.7	6.8	5.9	4.7	3.6	2.5	1.4	2.5	3.6	4.7
92.5°	8.1	7.3	6.5	6.1	6.0	5.9	5.9	5.8	5.9	5.9	6.0
95°	9.9	9.8	9.7	11.3	14.8	18.3	21.7	25.1	21.7	18.3	14.8
97.5°	34.7	46.2	57.5	62.1	59.9	57.8	55.6	53.4	55.6	57.8	59.9
100°	48.2	62.2	76.2	82.4	80.6	78.8	76.9	75.0	76.9	78.8	80.6
102.5°	100.7	102.5	104.3	104.6	103.2	101.9	100.6	99.3	100.6	101.9	103.2
105°	141.8	141.3	140.8	140.2	139.6	139.0	138.4	137.7	138.4	139.0	139.6
107.5°	176.6	175.9	175.3	174.8	174.5	174.2	173.9	173.6	173.9	174.2	174.5
110°	200.7	200.0	199.3	198.9	198.6	198.3	198.0	197.7	198.0	198.3	198.6



TEST NUMBER: P333055-840

CATALOG NUMBER: S124RDIW-S795D470U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	224.3	224.1	223.8	223.4	222.8	222.3	221.7	221.2	221.7	222.3	222.8
115°	258.3	258.4	258.5	258.4	258.1	257.8	257.5	257.2	257.5	257.8	258.1
117.5°	292.1	291.9	291.6	291.3	290.9	290.5	290.1	289.7	290.1	290.5	290.9
120°	313.3	313.4	313.5	313.3	312.9	312.5	312.0	311.6	312.0	312.5	312.9
122.5°	333.7	333.5	333.4	333.2	333.0	332.6	332.4	332.1	332.4	332.6	333.0
125°	362.8	363.0	363.2	363.1	362.7	362.3	361.9	361.5	361.9	362.3	362.7
127.5°	391.0	390.5	390.1	389.8	389.7	389.6	389.5	389.4	389.5	389.6	389.7
130°	408.6	408.3	408.0	407.8	407.7	407.6	407.4	407.3	407.4	407.6	407.7
132.5°	425.6	425.3	424.9	424.5	424.3	424.1	423.9	423.8	423.9	424.1	424.3
135°	449.1	448.7	448.3	448.1	448.2	448.3	448.4	448.5	448.4	448.3	448.2
137.5°	471.7	471.2	470.8	470.6	470.5	470.5	470.4	470.4	470.4	470.5	470.5
140°	486.1	485.8	485.6	485.4	485.2	485.0	484.8	484.6	484.8	485.0	485.2
142.5°	499.5	499.3	499.2	499.0	498.6	498.3	497.9	497.5	497.9	498.3	498.6
145°	518.6	518.6	518.6	518.4	518.1	517.8	517.5	517.2	517.5	517.8	518.1
147.5°	535.1	535.2	535.3	535.1	534.5	533.9	533.4	532.8	533.4	533.9	534.5
150°	545.7	545.8	545.9	545.8	545.4	545.0	544.6	544.2	544.6	545.0	545.4
152.5°	554.7	554.9	555.0	555.0	554.6	554.3	554.0	553.7	554.0	554.3	554.6
155°	566.7	567.0	567.3	567.4	567.3	567.2	567.1	567.0	567.1	567.2	567.3
157.5°	577.1	577.5	577.8	578.0	578.1	578.1	578.2	578.3	578.2	578.1	578.1
160°	583.3	583.4	583.5	583.7	584.0	584.3	584.6	584.9	584.6	584.3	584.0
162.5°	588.8	588.9	589.0	589.3	589.6	590.0	590.4	590.8	590.4	590.0	589.6
165°	595.9	595.9	595.9	596.1	596.6	597.1	597.6	598.1	597.6	597.1	596.6
167.5°	601.5	601.6	601.6	601.9	602.5	603.0	603.5	604.0	603.5	603.0	602.5
170°	604.8	604.7	604.6	604.9	605.5	606.1	606.7	607.3	606.7	606.1	605.5
172.5°	607.0	606.9	606.8	607.1	607.7	608.3	608.9	609.6	608.9	608.3	607.7
175°	609.5	609.4	609.3	609.5	610.1	610.7	611.3	611.9	611.3	610.7	610.1
177.5°	610.9	610.7	610.6	610.8	611.3	611.9	612.5	613.0	612.5	611.9	611.3
180°	611.9	611.9	611.9	611.9	611.9	611.9	611.9	611.9	611.9	611.9	611.9



TEST NUMBER: P333055-840

CATALOG NUMBER: S124RDIW-S795D470U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0
2.5°	1309.0	1304.6	1299.1	1292.6	1285.0	1278.1	1275.1	1277.6	1278.9	1275.5	1275.1
5°	1269.1	1255.7	1245.0	1228.8	1216.0	1205.2	1197.7	1194.5	1195.6	1187.0	1184.8
7.5°	1224.4	1208.4	1190.8	1171.7	1153.9	1138.1	1129.8	1125.3	1116.2	1112.3	1105.7
10°	1195.6	1174.1	1156.9	1134.3	1113.9	1095.1	1086.0	1078.4	1069.3	1065.0	1055.9
12.5°	1165.9	1140.9	1122.1	1098.6	1077.8	1055.1	1046.4	1032.5	1018.2	1009.2	997.4
15°	1124.1	1094.1	1071.0	1043.0	1018.3	992.5	969.5	943.6	934.0	913.6	901.8
17.5°	1075.2	1044.7	1016.1	978.7	940.6	908.6	883.9	859.2	844.4	831.4	825.4
20°	1043.0	1015.1	975.3	931.8	889.4	853.9	834.0	818.0	801.8	792.7	786.3
22.5°	1012.5	976.8	930.7	883.7	841.3	813.5	796.7	780.1	767.1	758.4	749.7
25°	961.4	914.6	865.8	812.0	783.0	758.9	740.6	727.2	719.1	707.9	703.6
27.5°	908.9	852.2	798.3	762.2	732.1	709.9	694.0	683.9	673.7	666.5	661.0
30°	868.5	811.0	762.7	728.3	697.7	679.4	666.5	654.7	646.6	640.8	636.4
32.5°	828.5	771.0	730.4	693.5	669.3	651.5	637.7	628.9	622.6	615.0	612.4
35°	770.7	719.7	684.3	651.0	626.2	610.2	599.4	590.3	584.9	582.7	581.1
37.5°	715.2	673.4	635.3	607.9	585.9	573.3	560.6	556.1	552.4	548.6	550.3
40°	679.9	640.8	606.9	577.9	560.2	546.2	538.7	533.3	530.1	530.1	530.1
42.5°	649.4	611.1	578.1	552.1	534.4	522.6	514.2	509.7	508.6	508.2	510.8
45°	602.1	566.6	533.3	511.8	496.8	484.9	480.2	476.4	476.4	478.6	479.1
47.5°	555.1	521.9	495.2	471.1	457.4	450.0	445.8	443.8	444.0	446.3	448.7
50°	526.3	493.6	467.3	445.8	432.9	425.9	422.1	421.1	422.1	422.1	425.9
52.5°	494.9	465.6	439.8	421.7	407.1	400.5	398.5	397.0	397.7	399.4	401.0
55°	449.0	422.7	398.0	380.8	370.0	365.8	360.9	361.4	360.4	361.4	361.4
57.5°	402.9	379.3	356.3	342.6	333.3	327.0	321.7	323.3	321.6	321.4	320.5
60°	373.2	347.5	329.2	316.9	306.1	300.7	295.9	297.0	295.4	294.3	292.2
62.5°	341.0	319.5	302.2	290.2	281.7	275.4	270.5	269.5	265.8	262.1	257.4
65°	294.3	276.6	261.1	249.7	241.7	236.8	233.1	229.8	221.8	213.2	208.9
67.5°	248.9	236.1	221.6	212.1	205.5	199.1	192.0	186.5	178.9	174.2	171.6
70°	219.6	207.3	195.0	185.8	178.8	173.0	164.9	161.2	155.7	153.6	150.9
72.5°	191.8	180.3	168.7	160.5	153.1	148.5	142.1	138.4	136.0	135.1	132.5
75°	149.4	140.2	131.6	124.1	118.2	114.9	112.3	109.6	108.5	103.6	101.0
77.5°	109.0	102.9	97.6	92.2	88.0	85.8	80.7	77.6	75.7	73.5	72.9
80°	84.8	80.6	75.2	72.0	66.0	63.9	61.8	61.2	60.7	60.2	59.6
82.5°	63.8	59.5	54.1	52.2	50.6	49.3	48.0	47.5	47.0	47.3	47.2
85°	32.2	30.1	30.1	29.6	29.0	28.5	28.0	28.0	27.4	28.0	27.4
87.5°	11.9	11.7	11.8	11.1	11.7	11.9	11.6	11.7	12.2	11.5	11.6
90°	5.9	6.8	7.7	8.5	9.3	10.1	10.7	11.3	11.9	12.5	12.9
92.5°	6.1	6.5	7.3	8.1	8.9	9.7	10.3	10.9	11.5	12.1	12.4
95°	11.3	9.7	9.8	9.9	10.0	10.1	10.7	11.3	11.9	12.5	12.8
97.5°	62.1	57.5	46.2	34.7	23.4	12.1	12.1	12.2	12.2	12.3	12.4
100°	82.4	76.2	62.2	48.2	34.1	20.1	18.4	16.7	14.9	13.2	12.4
102.5°	104.6	104.3	102.5	100.7	98.9	97.0	78.4	59.7	41.1	22.4	13.1
105°	140.2	140.8	141.3	141.8	142.3	142.8	143.7	144.6	145.5	146.4	145.1
107.5°	174.8	175.3	175.9	176.6	177.3	178.0	178.4	178.9	179.4	179.9	180.3
110°	198.9	199.3	200.0	200.7	201.3	201.9	202.1	202.3	202.5	202.7	202.9



TEST NUMBER: P333055-840

CATALOG NUMBER: S124RDIW-S795D470U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	223.4	223.8	224.1	224.3	224.6	224.9	224.9	224.8	224.8	224.7	224.9
115°	258.4	258.5	258.4	258.3	258.2	258.1	258.3	258.5	258.7	258.9	259.0
117.5°	291.3	291.6	291.9	292.1	292.4	292.6	292.5	292.5	292.5	292.4	292.4
120°	313.3	313.5	313.4	313.3	313.2	313.1	313.3	313.5	313.7	313.9	313.9
122.5°	333.2	333.4	333.5	333.7	333.8	334.0	334.1	334.2	334.3	334.4	334.4
125°	363.1	363.2	363.0	362.8	362.6	362.4	362.7	363.0	363.3	363.7	363.9
127.5°	389.8	390.1	390.5	391.0	391.5	391.9	391.9	391.8	391.7	391.7	391.6
130°	407.8	408.0	408.3	408.6	408.9	409.2	409.3	409.4	409.5	409.6	409.6
132.5°	424.5	424.9	425.3	425.6	426.0	426.4	426.5	426.6	426.7	426.8	426.8
135°	448.1	448.3	448.7	449.1	449.5	449.9	450.1	450.3	450.5	450.7	450.9
137.5°	470.6	470.8	471.2	471.7	472.1	472.6	472.8	473.0	473.2	473.5	473.5
140°	485.4	485.6	485.8	486.1	486.4	486.6	486.9	487.2	487.5	487.8	488.0
142.5°	499.0	499.2	499.3	499.5	499.6	499.7	499.9	500.1	500.4	500.6	500.7
145°	518.4	518.6	518.6	518.6	518.6	518.6	518.7	518.8	518.9	519.0	519.1
147.5°	535.1	535.3	535.2	535.1	535.0	534.9	535.0	535.1	535.1	535.2	535.3
150°	545.8	545.9	545.8	545.7	545.6	545.5	545.5	545.5	545.5	545.5	545.6
152.5°	555.0	555.0	554.9	554.7	554.5	554.3	554.5	554.6	554.8	555.0	555.0
155°	567.4	567.3	567.0	566.7	566.4	566.1	566.5	566.9	567.3	567.7	567.8
157.5°	578.0	577.8	577.5	577.1	576.8	576.5	577.0	577.5	578.0	578.6	578.6
160°	583.7	583.5	583.4	583.3	583.2	583.1	583.7	584.3	584.9	585.5	585.5
162.5°	589.3	589.0	588.9	588.8	588.7	588.5	589.2	589.8	590.4	591.0	591.0
165°	596.1	595.9	595.9	595.9	595.9	595.9	596.7	597.5	598.3	599.2	599.1
167.5°	601.9	601.6	601.6	601.5	601.5	601.4	602.3	603.2	604.1	605.0	604.9
170°	604.9	604.6	604.7	604.8	604.9	605.0	605.8	606.6	607.4	608.3	608.2
172.5°	607.1	606.8	606.9	607.0	607.1	607.2	608.0	608.8	609.7	610.5	610.4
175°	609.5	609.3	609.4	609.5	609.6	609.7	610.6	611.5	612.4	613.3	613.1
177.5°	610.8	610.6	610.7	610.9	611.0	611.2	611.8	612.5	613.1	613.8	613.6
180°	611.9	611.9	611.9	611.9	611.9	611.9	611.9	611.9	611.9	611.9	611.9



TEST NUMBER: P333055-840

CATALOG NUMBER: S124RDIW-S795D470U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0
2.5°	1272.4	1273.3	1270.3	1269.4	1270.3	1273.3	1272.4	1275.1	1275.5	1278.9	1277.6
5°	1180.5	1179.4	1176.8	1177.3	1176.8	1179.4	1180.5	1184.8	1187.0	1195.6	1194.5
7.5°	1101.9	1097.7	1098.8	1094.6	1098.8	1097.7	1101.9	1105.7	1112.3	1116.2	1125.3
10°	1053.8	1047.8	1043.0	1038.7	1043.0	1047.8	1053.8	1055.9	1065.0	1069.3	1078.4
12.5°	988.1	983.0	976.4	977.8	976.4	983.0	988.1	997.4	1009.2	1018.2	1032.5
15°	894.7	886.8	873.8	875.5	873.8	886.8	894.7	901.8	913.6	934.0	943.6
17.5°	815.9	816.0	810.0	811.4	810.0	816.0	815.9	825.4	831.4	844.4	859.2
20°	775.0	771.2	771.7	770.2	771.7	771.2	775.0	786.3	792.7	801.8	818.0
22.5°	746.7	742.0	738.3	735.0	738.3	742.0	746.7	749.7	758.4	767.1	780.1
25°	698.7	695.5	690.6	689.6	690.6	695.5	698.7	703.6	707.9	719.1	727.2
27.5°	656.6	656.0	654.1	651.6	654.1	656.0	656.6	661.0	666.5	673.7	683.9
30°	632.2	631.1	630.0	628.3	630.0	631.1	632.2	636.4	640.8	646.6	654.7
32.5°	610.3	609.6	608.5	608.6	608.5	609.6	610.3	612.4	615.0	622.6	628.9
35°	579.0	578.5	577.3	576.8	577.3	578.5	579.0	581.1	582.7	584.9	590.3
37.5°	549.8	551.2	550.5	550.4	550.5	551.2	549.8	550.3	548.6	552.4	556.1
40°	529.6	530.1	531.2	530.7	531.2	530.1	529.6	530.1	530.1	530.1	533.3
42.5°	512.8	512.9	514.4	512.6	514.4	512.9	512.8	510.8	508.2	508.6	509.7
45°	482.8	486.0	485.5	485.5	485.5	486.0	482.8	479.1	478.6	476.4	476.4
47.5°	450.1	452.8	453.6	453.5	453.6	452.8	450.1	448.7	446.3	444.0	443.8
50°	428.6	427.5	429.1	428.6	429.1	427.5	428.6	425.9	422.1	422.1	421.1
52.5°	402.4	402.6	402.5	401.9	402.5	402.6	402.4	401.0	399.4	397.7	397.0
55°	362.0	362.5	361.4	362.0	361.4	362.5	362.0	361.4	361.4	360.4	361.4
57.5°	318.2	315.6	316.7	315.4	316.7	315.6	318.2	320.5	321.4	321.6	323.3
60°	286.8	282.5	281.4	279.3	281.4	282.5	286.8	292.2	294.3	295.4	297.0
62.5°	251.6	248.5	244.9	246.6	244.9	248.5	251.6	257.4	262.1	265.8	269.5
65°	204.6	202.5	200.9	203.0	200.9	202.5	204.6	208.9	213.2	221.8	229.8
67.5°	169.4	168.2	168.2	167.1	168.2	168.2	169.4	171.6	174.2	178.9	186.5
70°	150.9	149.4	149.4	148.2	149.4	149.4	150.9	150.9	153.6	155.7	161.2
72.5°	132.0	130.4	130.9	130.2	130.9	130.4	132.0	132.5	135.1	136.0	138.4
75°	97.8	95.0	95.0	95.6	95.0	95.0	97.8	101.0	103.6	108.5	109.6
77.5°	72.9	72.4	73.1	72.2	73.1	72.4	72.9	72.9	73.5	75.7	77.6
80°	59.6	59.1	58.6	60.2	58.6	59.1	59.6	59.6	60.2	60.7	61.2
82.5°	46.3	46.2	46.0	48.2	46.0	46.2	46.3	47.2	47.3	47.0	47.5
85°	28.0	26.9	28.0	26.9	28.0	26.9	28.0	27.4	28.0	27.4	28.0
87.5°	12.5	12.1	11.7	12.2	11.7	12.1	12.5	11.6	11.5	12.2	11.7
90°	13.1	13.3	13.5	13.7	13.5	13.3	13.1	12.9	12.5	11.9	11.3
92.5°	12.5	12.5	12.6	12.6	12.6	12.5	12.5	12.4	12.1	11.5	10.9
95°	12.9	13.0	13.1	13.2	13.1	13.0	12.9	12.8	12.5	11.9	11.3
97.5°	12.5	12.6	12.7	12.8	12.7	12.6	12.5	12.4	12.3	12.2	12.2
100°	12.5	12.6	12.7	12.8	12.7	12.6	12.5	12.4	13.2	14.9	16.7
102.5°	13.1	13.1	13.1	13.2	13.1	13.1	13.1	13.1	22.4	41.1	59.7
105°	141.4	137.7	134.1	130.5	134.1	137.7	141.4	145.1	146.4	145.5	144.6
107.5°	180.7	181.0	181.4	181.8	181.4	181.0	180.7	180.3	179.9	179.4	178.9
110°	203.2	203.5	203.8	204.1	203.8	203.5	203.2	202.9	202.7	202.5	202.3



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	225.3	225.7	226.1	226.4	226.1	225.7	225.3	224.9	224.7	224.8	224.8
115°	259.0	259.0	259.0	259.0	259.0	259.0	259.0	259.0	258.9	258.7	258.5
117.5°	292.3	292.3	292.3	292.2	292.3	292.3	292.3	292.4	292.4	292.5	292.5
120°	313.7	313.5	313.3	313.1	313.3	313.5	313.7	313.9	313.9	313.7	313.5
122.5°	334.2	334.0	333.8	333.6	333.8	334.0	334.2	334.4	334.4	334.3	334.2
125°	364.0	364.1	364.2	364.3	364.2	364.1	364.0	363.9	363.7	363.3	363.0
127.5°	391.5	391.4	391.4	391.3	391.4	391.4	391.5	391.6	391.7	391.7	391.8
130°	409.6	409.6	409.6	409.6	409.6	409.6	409.6	409.6	409.6	409.5	409.4
132.5°	426.7	426.7	426.6	426.5	426.6	426.7	426.7	426.8	426.8	426.7	426.6
135°	451.1	451.3	451.5	451.7	451.5	451.3	451.1	450.9	450.7	450.5	450.3
137.5°	473.5	473.4	473.4	473.3	473.4	473.4	473.5	473.5	473.5	473.2	473.0
140°	488.1	488.2	488.3	488.4	488.3	488.2	488.1	488.0	487.8	487.5	487.2
142.5°	500.7	500.8	500.8	500.8	500.8	500.8	500.7	500.7	500.6	500.4	500.1
145°	519.3	519.5	519.7	519.9	519.7	519.5	519.3	519.1	519.0	518.9	518.8
147.5°	535.4	535.5	535.6	535.7	535.6	535.5	535.4	535.3	535.2	535.1	535.1
150°	545.7	545.8	545.9	546.0	545.9	545.8	545.7	545.6	545.5	545.5	545.5
152.5°	555.0	554.9	554.8	554.8	554.8	554.9	555.0	555.0	555.0	554.8	554.6
155°	567.5	567.2	566.9	566.6	566.9	567.2	567.5	567.8	567.7	567.3	566.9
157.5°	578.0	577.5	577.0	576.5	577.0	577.5	578.0	578.6	578.6	578.0	577.5
160°	584.9	584.3	583.7	583.1	583.7	584.3	584.9	585.5	585.5	584.9	584.3
162.5°	590.3	589.6	588.9	588.2	588.9	589.6	590.3	591.0	591.0	590.4	589.8
165°	598.1	597.2	596.3	595.4	596.3	597.2	598.1	599.1	599.2	598.3	597.5
167.5°	603.9	602.9	601.9	600.9	601.9	602.9	603.9	604.9	605.0	604.1	603.2
170°	607.1	606.1	605.1	604.1	605.1	606.1	607.1	608.2	608.3	607.4	606.6
172.5°	609.3	608.1	607.0	605.9	607.0	608.1	609.3	610.4	610.5	609.7	608.8
175°	611.9	610.7	609.5	608.2	609.5	610.7	611.9	613.1	613.3	612.4	611.5
177.5°	612.7	611.7	610.7	609.8	610.7	611.7	612.7	613.6	613.8	613.1	612.5
180°	611.9	611.9	611.9	611.9	611.9	611.9	611.9	611.9	611.9	611.9	611.9



TEST NUMBER: P333055-840

CATALOG NUMBER: S124RDIW-S795D470U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0
2.5°	1275.1	1278.1	1285.0	1292.6	1299.1	1304.6	1309.0	1314.9	1320.6	1328.3	1335.6
5°	1197.7	1205.2	1216.0	1228.8	1245.0	1255.7	1269.1	1280.9	1298.1	1315.3	1332.0
7.5°	1129.8	1138.1	1153.9	1171.7	1190.8	1208.4	1224.4	1245.2	1268.0	1292.9	1320.9
10°	1086.0	1095.1	1113.9	1134.3	1156.9	1174.1	1195.6	1220.2	1246.1	1276.7	1311.0
12.5°	1046.4	1055.1	1077.8	1098.6	1122.1	1140.9	1165.9	1191.0	1225.4	1258.6	1297.7
15°	969.5	992.5	1018.3	1043.0	1071.0	1094.1	1124.1	1149.9	1182.7	1229.4	1273.9
17.5°	883.9	908.6	940.6	978.7	1016.1	1044.7	1075.2	1107.2	1146.2	1194.0	1245.4
20°	834.0	853.9	889.4	931.8	975.3	1015.1	1043.0	1078.4	1118.7	1170.3	1223.5
22.5°	796.7	813.5	841.3	883.7	930.7	976.8	1012.5	1047.5	1092.1	1143.7	1201.5
25°	740.6	758.9	783.0	812.0	865.8	914.6	961.4	1001.7	1048.9	1100.4	1165.0
27.5°	694.0	709.9	732.1	762.2	798.3	852.2	908.9	954.8	1003.3	1058.6	1123.2
30°	666.5	679.4	697.7	728.3	762.7	811.0	868.5	922.2	971.1	1028.5	1095.6
32.5°	637.7	651.5	669.3	693.5	730.4	771.0	828.5	887.4	939.3	998.0	1063.9
35°	599.4	610.2	626.2	651.0	684.3	719.7	770.7	831.4	886.2	949.1	1011.9
37.5°	560.6	573.3	585.9	607.9	635.3	673.4	715.2	777.2	837.9	895.2	956.5
40°	538.7	546.2	560.2	577.9	606.9	640.8	679.9	740.6	801.3	858.3	920.0
42.5°	514.2	522.6	534.4	552.1	578.1	611.1	649.4	702.0	765.3	820.4	876.7
45°	480.2	484.9	496.8	511.8	533.3	566.6	602.1	648.8	708.4	761.0	810.4
47.5°	445.8	450.0	457.4	471.1	495.2	521.9	555.1	597.0	649.3	702.0	743.8
50°	422.1	425.9	432.9	445.8	467.3	493.6	526.3	563.9	610.7	661.2	696.1
52.5°	398.5	400.5	407.1	421.7	439.8	465.6	494.9	529.6	573.3	615.2	650.6
55°	360.9	365.8	370.0	380.8	398.0	422.7	449.0	481.8	515.6	551.1	581.1
57.5°	321.7	327.0	333.3	342.6	356.3	379.3	402.9	429.5	458.4	487.8	513.0
60°	295.9	300.7	306.1	316.9	329.2	347.5	373.2	396.4	418.4	445.2	470.5
62.5°	270.5	275.4	281.7	290.2	302.2	319.5	341.0	361.1	384.1	407.5	426.3
65°	233.1	236.8	241.7	249.7	261.1	276.6	294.3	309.9	330.3	347.5	364.7
67.5°	192.0	199.1	205.5	212.1	221.6	236.1	248.9	263.8	277.7	290.4	306.1
70°	164.9	173.0	178.8	185.8	195.0	207.3	219.6	229.8	241.2	253.5	267.5
72.5°	142.1	148.5	153.1	160.5	168.7	180.3	191.8	200.3	209.3	217.8	231.4
75°	112.3	114.9	118.2	124.1	131.6	140.2	149.4	156.8	162.2	169.8	179.4
77.5°	80.7	85.8	88.0	92.2	97.6	102.9	109.0	115.2	120.4	123.1	130.5
80°	61.8	63.9	66.0	72.0	75.2	80.6	84.8	90.8	92.9	95.6	102.6
82.5°	48.0	49.3	50.6	52.2	54.1	59.5	63.8	67.6	69.7	70.7	75.9
85°	28.0	28.5	29.0	29.6	30.1	30.1	32.2	34.9	38.7	38.7	40.3
87.5°	11.6	11.9	11.7	11.1	11.8	11.7	11.9	11.7	12.7	13.8	14.8
90°	10.7	10.1	9.3	8.5	7.7	6.8	5.9	4.7	3.6	2.5	1.4
92.5°	10.3	9.7	8.9	8.1	7.3	6.5	6.1	6.0	5.9	5.9	5.8
95°	10.7	10.1	10.0	9.9	9.8	9.7	11.3	14.8	18.3	21.7	25.1
97.5°	12.1	12.1	23.4	34.7	46.2	57.5	62.1	59.9	57.8	55.6	53.4
100°	18.4	20.1	34.1	48.2	62.2	76.2	82.4	80.6	78.8	76.9	75.0
102.5°	78.4	97.0	98.9	100.7	102.5	104.3	104.6	103.2	101.9	100.6	99.3
105°	143.7	142.8	142.3	141.8	141.3	140.8	140.2	139.6	139.0	138.4	137.7
107.5°	178.4	178.0	177.3	176.6	175.9	175.3	174.8	174.5	174.2	173.9	173.6
110°	202.1	201.9	201.3	200.7	200.0	199.3	198.9	198.6	198.3	198.0	197.7



TEST NUMBER: P333055-840

CATALOG NUMBER: S124RDIW-S795D470U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	224.9	224.9	224.6	224.3	224.1	223.8	223.4	222.8	222.3	221.7	221.2
115°	258.3	258.1	258.2	258.3	258.4	258.5	258.4	258.1	257.8	257.5	257.2
117.5°	292.5	292.6	292.4	292.1	291.9	291.6	291.3	290.9	290.5	290.1	289.7
120°	313.3	313.1	313.2	313.3	313.4	313.5	313.3	312.9	312.5	312.0	311.6
122.5°	334.1	334.0	333.8	333.7	333.5	333.4	333.2	333.0	332.6	332.4	332.1
125°	362.7	362.4	362.6	362.8	363.0	363.2	363.1	362.7	362.3	361.9	361.5
127.5°	391.9	391.9	391.5	391.0	390.5	390.1	389.8	389.7	389.6	389.5	389.4
130°	409.3	409.2	408.9	408.6	408.3	408.0	407.8	407.7	407.6	407.4	407.3
132.5°	426.5	426.4	426.0	425.6	425.3	424.9	424.5	424.3	424.1	423.9	423.8
135°	450.1	449.9	449.5	449.1	448.7	448.3	448.1	448.2	448.3	448.4	448.5
137.5°	472.8	472.6	472.1	471.7	471.2	470.8	470.6	470.5	470.5	470.4	470.4
140°	486.9	486.6	486.4	486.1	485.8	485.6	485.4	485.2	485.0	484.8	484.6
142.5°	499.9	499.7	499.6	499.5	499.3	499.2	499.0	498.6	498.3	497.9	497.5
145°	518.7	518.6	518.6	518.6	518.6	518.6	518.4	518.1	517.8	517.5	517.2
147.5°	535.0	534.9	535.0	535.1	535.2	535.3	535.1	534.5	533.9	533.4	532.8
150°	545.5	545.5	545.6	545.7	545.8	545.9	545.8	545.4	545.0	544.6	544.2
152.5°	554.5	554.3	554.5	554.7	554.9	555.0	555.0	554.6	554.3	554.0	553.7
155°	566.5	566.1	566.4	566.7	567.0	567.3	567.4	567.3	567.2	567.1	567.0
157.5°	577.0	576.5	576.8	577.1	577.5	577.8	578.0	578.1	578.1	578.2	578.3
160°	583.7	583.1	583.2	583.3	583.4	583.5	583.7	584.0	584.3	584.6	584.9
162.5°	589.2	588.5	588.7	588.8	588.9	589.0	589.3	589.6	590.0	590.4	590.8
165°	596.7	595.9	595.9	595.9	595.9	595.9	596.1	596.6	597.1	597.6	598.1
167.5°	602.3	601.4	601.5	601.5	601.6	601.6	601.9	602.5	603.0	603.5	604.0
170°	605.8	605.0	604.9	604.8	604.7	604.6	604.9	605.5	606.1	606.7	607.3
172.5°	608.0	607.2	607.1	607.0	606.9	606.8	607.1	607.7	608.3	608.9	609.6
175°	610.6	609.7	609.6	609.5	609.4	609.3	609.5	610.1	610.7	611.3	611.9
177.5°	611.8	611.2	611.0	610.9	610.7	610.6	610.8	611.3	611.9	612.5	613.0
180°	611.9	611.9	611.9	611.9	611.9	611.9	611.9	611.9	611.9	611.9	611.9



TEST NUMBER: P333055-840

CATALOG NUMBER: S124RDIW-S795D470U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0
2.5°	1341.2	1345.0	1349.4	1357.6	1364.4	1367.5	1373.4	1377.8	1376.4	1382.4	1392.8
5°	1346.5	1361.0	1377.7	1394.8	1414.1	1430.3	1443.1	1456.0	1466.2	1478.5	1496.8
7.5°	1345.6	1371.4	1399.5	1430.3	1462.0	1489.3	1514.7	1540.4	1563.4	1588.4	1621.1
10°	1342.2	1376.5	1411.5	1451.8	1492.0	1530.1	1564.5	1596.8	1627.4	1660.1	1701.5
12.5°	1338.3	1377.9	1420.1	1468.4	1518.6	1564.5	1604.9	1651.3	1689.7	1731.9	1779.7
15°	1321.2	1374.4	1431.9	1494.7	1554.9	1616.6	1671.9	1728.9	1782.0	1832.5	1892.7
17.5°	1301.7	1363.0	1430.8	1505.0	1577.3	1652.3	1718.0	1789.8	1844.1	1911.9	1967.7
20°	1285.8	1351.8	1424.3	1507.6	1589.7	1673.0	1745.6	1818.6	1879.8	1948.0	2018.9
22.5°	1266.5	1339.0	1417.4	1503.7	1589.7	1680.7	1761.0	1833.6	1909.5	1986.2	2059.3
25°	1235.3	1310.5	1393.7	1488.2	1587.1	1680.0	1766.0	1856.1	1937.8	2021.0	2086.6
27.5°	1197.1	1276.0	1363.7	1461.3	1562.7	1657.9	1759.1	1855.2	1937.3	2017.5	2074.7
30°	1166.5	1249.8	1334.1	1432.9	1538.2	1640.2	1748.8	1844.9	1931.4	2003.4	2035.6
32.5°	1135.2	1214.2	1301.0	1401.2	1508.9	1618.8	1726.4	1824.7	1904.7	1947.9	1948.7
35°	1080.7	1154.7	1245.0	1343.2	1453.9	1573.2	1682.1	1778.8	1827.7	1831.5	1778.8
37.5°	1021.1	1089.1	1174.3	1272.6	1393.8	1512.5	1623.9	1688.3	1704.6	1649.9	1552.6
40°	978.6	1041.4	1123.6	1224.6	1344.8	1467.3	1568.8	1616.1	1598.9	1510.3	1401.8
42.5°	933.9	992.4	1071.6	1171.2	1292.0	1415.7	1502.2	1527.6	1482.1	1379.7	1252.7
45°	860.9	914.6	993.1	1093.5	1209.5	1325.5	1391.1	1378.2	1302.4	1181.0	1038.7
47.5°	785.0	836.9	907.5	1000.4	1119.1	1219.3	1263.6	1224.8	1117.0	983.5	867.7
50°	734.8	787.9	852.9	941.5	1050.0	1146.7	1175.2	1116.1	996.3	867.9	761.5
52.5°	685.3	730.7	794.5	880.1	983.8	1065.5	1080.7	1012.5	888.9	773.9	679.5
55°	610.2	651.5	705.2	785.8	875.5	944.7	936.6	849.1	736.9	638.6	564.5
57.5°	537.5	568.6	618.1	693.7	772.4	818.9	789.5	714.9	610.3	529.8	467.3
60°	489.3	518.3	564.5	630.6	699.8	726.1	701.5	620.4	537.7	464.0	411.4
62.5°	443.7	469.3	509.1	570.4	626.3	642.0	615.5	544.7	470.2	407.3	363.8
65°	377.6	401.2	435.0	478.6	517.3	524.7	507.6	435.0	378.6	326.0	295.9
67.5°	317.5	333.0	359.4	397.0	417.6	421.9	388.7	343.2	293.5	261.2	238.4
70°	277.1	287.9	312.6	333.0	349.6	350.2	319.5	283.1	244.9	218.6	202.0
72.5°	238.0	248.3	267.0	281.0	293.8	289.6	261.6	232.8	202.0	182.1	169.8
75°	183.7	192.8	202.5	208.9	208.9	203.6	183.2	161.7	143.9	132.1	128.4
77.5°	133.5	141.1	144.3	143.3	141.4	133.0	120.1	106.0	99.7	94.1	91.3
80°	104.7	108.0	109.1	106.3	103.1	93.4	84.8	79.0	73.0	70.9	69.8
82.5°	77.7	80.5	77.7	78.4	71.3	63.4	58.7	56.7	54.1	53.3	52.2
85°	41.4	40.8	39.8	37.1	32.2	31.1	30.6	30.1	29.0	29.6	28.5
87.5°	14.6	13.6	12.1	11.9	12.1	11.4	12.0	12.1	12.3	12.0	13.0
90°	2.5	3.6	4.7	5.9	6.8	7.7	8.5	9.3	10.1	10.7	11.3
92.5°	5.9	5.9	6.0	6.1	6.5	7.3	8.1	8.9	9.7	10.3	10.9
95°	21.7	18.3	14.8	11.3	9.7	9.8	9.9	10.0	10.1	10.7	11.3
97.5°	55.6	57.8	59.9	62.1	57.5	46.2	34.7	23.4	12.1	12.1	12.2
100°	76.9	78.8	80.6	82.4	76.2	62.2	48.2	34.1	20.1	18.4	16.7
102.5°	100.6	101.9	103.2	104.6	104.3	102.5	100.7	98.9	97.0	78.4	59.7
105°	138.4	139.0	139.6	140.2	140.8	141.3	141.8	142.3	142.8	143.7	144.6
107.5°	173.9	174.2	174.5	174.8	175.3	175.9	176.6	177.3	178.0	178.4	178.9
110°	198.0	198.3	198.6	198.9	199.3	200.0	200.7	201.3	201.9	202.1	202.3



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	221.7	222.3	222.8	223.4	223.8	224.1	224.3	224.6	224.9	224.9	224.8
115°	257.5	257.8	258.1	258.4	258.5	258.4	258.3	258.2	258.1	258.3	258.5
117.5°	290.1	290.5	290.9	291.3	291.6	291.9	292.1	292.4	292.6	292.5	292.5
120°	312.0	312.5	312.9	313.3	313.5	313.4	313.3	313.2	313.1	313.3	313.5
122.5°	332.4	332.6	333.0	333.2	333.4	333.5	333.7	333.8	334.0	334.1	334.2
125°	361.9	362.3	362.7	363.1	363.2	363.0	362.8	362.6	362.4	362.7	363.0
127.5°	389.5	389.6	389.7	389.8	390.1	390.5	391.0	391.5	391.9	391.9	391.8
130°	407.4	407.6	407.7	407.8	408.0	408.3	408.6	408.9	409.2	409.3	409.4
132.5°	423.9	424.1	424.3	424.5	424.9	425.3	425.6	426.0	426.4	426.5	426.6
135°	448.4	448.3	448.2	448.1	448.3	448.7	449.1	449.5	449.9	450.1	450.3
137.5°	470.4	470.5	470.5	470.6	470.8	471.2	471.7	472.1	472.6	472.8	473.0
140°	484.8	485.0	485.2	485.4	485.6	485.8	486.1	486.4	486.6	486.9	487.2
142.5°	497.9	498.3	498.6	499.0	499.2	499.3	499.5	499.6	499.7	499.9	500.1
145°	517.5	517.8	518.1	518.4	518.6	518.6	518.6	518.6	518.6	518.7	518.8
147.5°	533.4	533.9	534.5	535.1	535.3	535.2	535.1	535.0	534.9	535.0	535.1
150°	544.6	545.0	545.4	545.8	545.9	545.8	545.7	545.6	545.5	545.5	545.5
152.5°	554.0	554.3	554.6	555.0	555.0	554.9	554.7	554.5	554.3	554.5	554.6
155°	567.1	567.2	567.3	567.4	567.3	567.0	566.7	566.4	566.1	566.5	566.9
157.5°	578.2	578.1	578.1	578.0	577.8	577.5	577.1	576.8	576.5	577.0	577.5
160°	584.6	584.3	584.0	583.7	583.5	583.4	583.3	583.2	583.1	583.7	584.3
162.5°	590.4	590.0	589.6	589.3	589.0	588.9	588.8	588.7	588.5	589.2	589.8
165°	597.6	597.1	596.6	596.1	595.9	595.9	595.9	595.9	595.9	596.7	597.5
167.5°	603.5	603.0	602.5	601.9	601.6	601.6	601.5	601.5	601.4	602.3	603.2
170°	606.7	606.1	605.5	604.9	604.6	604.7	604.8	604.9	605.0	605.8	606.6
172.5°	608.9	608.3	607.7	607.1	606.8	606.9	607.0	607.1	607.2	608.0	608.8
175°	611.3	610.7	610.1	609.5	609.3	609.4	609.5	609.6	609.7	610.6	611.5
177.5°	612.5	611.9	611.3	610.8	610.6	610.7	610.9	611.0	611.2	611.8	612.5
180°	611.9	611.9	611.9	611.9	611.9	611.9	611.9	611.9	611.9	611.9	611.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0
2.5°	1398.4	1400.1	1401.4	1405.6	1406.0	1410.0	1406.0
5°	1514.0	1521.6	1533.4	1545.2	1546.3	1553.8	1540.3
7.5°	1643.8	1661.2	1672.0	1691.1	1698.7	1703.4	1695.7
10°	1733.1	1749.3	1777.8	1791.7	1805.6	1807.9	1801.4
12.5°	1819.6	1845.1	1867.5	1894.0	1893.3	1912.3	1905.3
15°	1934.6	1960.9	1992.1	2021.5	2032.4	2032.4	2040.9
17.5°	2016.6	2064.9	2097.1	2120.3	2145.7	2150.0	2147.1
20°	2072.0	2124.2	2158.6	2188.6	2205.8	2210.6	2210.6
22.5°	2113.3	2157.7	2191.2	2218.3	2232.4	2238.2	2236.4
25°	2141.9	2180.0	2200.4	2208.5	2212.2	2211.2	2201.0
27.5°	2102.7	2101.0	2088.2	2063.5	2044.9	2033.6	2020.7
30°	2028.0	2000.1	1967.9	1932.4	1886.7	1851.9	1841.1
32.5°	1916.7	1854.0	1799.5	1740.4	1691.3	1656.4	1641.7
35°	1701.5	1602.2	1521.1	1450.2	1398.6	1366.3	1355.6
37.5°	1446.0	1349.9	1249.5	1180.7	1138.0	1105.4	1093.3
40°	1283.6	1178.9	1091.4	1026.9	982.9	951.2	950.7
42.5°	1135.4	1035.4	953.0	906.6	859.1	838.2	838.1
45°	929.7	849.7	779.8	743.4	714.9	697.7	692.9
47.5°	769.7	703.6	657.0	627.9	604.7	593.8	586.7
50°	679.9	622.0	584.9	559.7	546.7	532.8	531.7
52.5°	605.2	558.4	529.5	509.0	492.6	484.2	484.4
55°	508.6	471.6	451.1	435.6	422.7	416.3	413.5
57.5°	428.5	400.7	385.9	371.5	366.1	361.0	359.6
60°	378.6	359.8	345.9	334.6	326.6	325.0	324.4
62.5°	337.4	317.7	308.1	299.3	293.5	290.9	290.0
65°	278.2	263.7	255.1	248.1	246.0	242.3	241.7
67.5°	224.3	215.6	209.8	205.1	202.2	202.0	202.0
70°	191.2	186.3	181.6	178.8	177.2	176.1	176.1
72.5°	162.9	159.3	155.3	153.9	153.6	152.5	152.1
75°	124.1	120.3	120.9	118.2	116.0	113.3	111.7
77.5°	88.0	85.3	84.7	84.4	82.6	82.3	83.1
80°	68.2	65.5	65.0	65.5	65.0	63.4	63.4
82.5°	51.9	49.6	49.1	48.8	48.3	48.8	47.9
85°	28.0	26.9	26.9	26.9	28.0	27.4	26.9
87.5°	12.2	11.9	12.4	12.1	12.1	11.7	12.2
90°	11.9	12.5	12.9	13.1	13.3	13.5	13.7
92.5°	11.5	12.1	12.4	12.5	12.5	12.6	12.6
95°	11.9	12.5	12.8	12.9	13.0	13.1	13.2
97.5°	12.2	12.3	12.4	12.5	12.6	12.7	12.8
100°	14.9	13.2	12.4	12.5	12.6	12.7	12.8
102.5°	41.1	22.4	13.1	13.1	13.1	13.1	13.2
105°	145.5	146.4	145.1	141.4	137.7	134.1	130.5
107.5°	179.4	179.9	180.3	180.7	181.0	181.4	181.8
110°	202.5	202.7	202.9	203.2	203.5	203.8	204.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	224.8	224.7	224.9	225.3	225.7	226.1	226.4
115°	258.7	258.9	259.0	259.0	259.0	259.0	259.0
117.5°	292.5	292.4	292.4	292.3	292.3	292.3	292.2
120°	313.7	313.9	313.9	313.7	313.5	313.3	313.1
122.5°	334.3	334.4	334.4	334.2	334.0	333.8	333.6
125°	363.3	363.7	363.9	364.0	364.1	364.2	364.3
127.5°	391.7	391.7	391.6	391.5	391.4	391.4	391.3
130°	409.5	409.6	409.6	409.6	409.6	409.6	409.6
132.5°	426.7	426.8	426.8	426.7	426.7	426.6	426.5
135°	450.5	450.7	450.9	451.1	451.3	451.5	451.7
137.5°	473.2	473.5	473.5	473.5	473.4	473.4	473.3
140°	487.5	487.8	488.0	488.1	488.2	488.3	488.4
142.5°	500.4	500.6	500.7	500.7	500.8	500.8	500.8
145°	518.9	519.0	519.1	519.3	519.5	519.7	519.9
147.5°	535.1	535.2	535.3	535.4	535.5	535.6	535.7
150°	545.5	545.5	545.6	545.7	545.8	545.9	546.0
152.5°	554.8	555.0	555.0	555.0	554.9	554.8	554.8
155°	567.3	567.7	567.8	567.5	567.2	566.9	566.6
157.5°	578.0	578.6	578.6	578.0	577.5	577.0	576.5
160°	584.9	585.5	585.5	584.9	584.3	583.7	583.1
162.5°	590.4	591.0	591.0	590.3	589.6	588.9	588.2
165°	598.3	599.2	599.1	598.1	597.2	596.3	595.4
167.5°	604.1	605.0	604.9	603.9	602.9	601.9	600.9
170°	607.4	608.3	608.2	607.1	606.1	605.1	604.1
172.5°	609.7	610.5	610.4	609.3	608.1	607.0	605.9
175°	612.4	613.3	613.1	611.9	610.7	609.5	608.2
177.5°	613.1	613.8	613.6	612.7	611.7	610.7	609.8
180°	611.9	611.9	611.9	611.9	611.9	611.9	611.9

(END OF REPORT)