

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: P332776

Luminaire Tested: **S124DIW-S795D470U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332776  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S124DIW-S795D470U835-4F0-1E-UDD-A1  
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 470 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

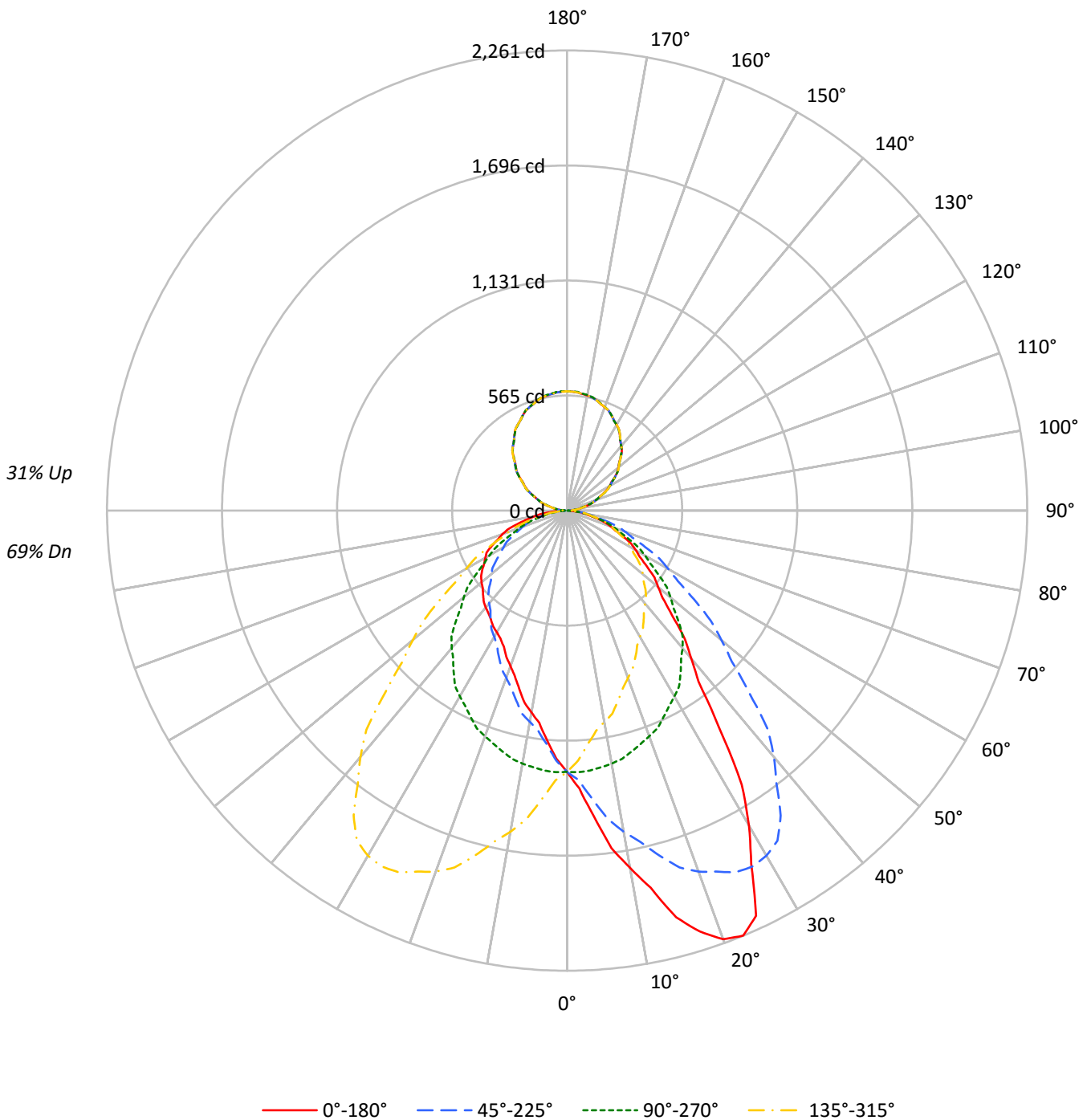
Lumens per Lamp: N/A  
Luminaire Lumens: 5169.5 lumens  
Efficiency: N/A  
Efficacy: 137.1 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: Semi-Direct  
  
Input Watts (W): 37.7  
Input Voltage (V): 120  
Input Current (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	112	112	112	112	105	105	105	105	94	94	94	83	83	83	73	73	73	69
1	102	98	94	90	96	93	89	86	83	80	78	74	72	70	65	64	62	58
2	93	86	80	74	88	81	76	71	73	69	65	65	62	59	58	55	53	49
3	85	76	68	62	80	72	65	60	65	59	55	58	54	50	51	48	46	42
4	78	67	59	53	74	64	57	51	58	52	47	52	47	43	46	43	39	36
5	72	60	52	46	68	57	50	44	52	46	41	47	42	38	42	38	35	32
6	67	54	46	40	63	52	44	39	47	41	36	42	37	33	38	34	31	28
7	62	49	41	35	58	47	40	34	43	36	32	39	33	30	35	31	27	25
8	57	45	37	32	54	43	36	31	39	33	29	35	30	27	32	28	25	22
9	54	41	33	28	51	39	32	27	36	30	26	33	28	24	30	25	22	20
10	50	38	30	26	47	36	29	25	33	27	23	30	25	22	27	23	20	18

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

	0°	90°	180°	270°
0°	10365	10365	10365	10365
5°	12206	10391	9172	10391
10°	14614	10346	8257	10346
15°	17291	10242	7583	10242
20°	19254	10134	6981	10134
25°	19565	9977	6566	9977
30°	16648	9826	6435	9826
35°	12799	9581	6436	9581
40°	9977	9293	6558	9293
45°	8318	8859	6667	8859
50°	7321	8329	6894	8329
55°	6707	7695	7171	7695
60°	6286	7127	7505	7127
65°	5851	6491	7782	6491
70°	5349	5863	7959	5863
75°	4779	5159	7863	5159
80°	4007	4226	7615	4226
85°	2955	3057	7290	3057



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	125.1	2.4
10°-20°	385.5	7.5
20°-30°	611.3	11.8
30°-40°	680.3	13.2
40°-50°	619.3	12.0
50°-60°	506.1	9.8
60°-70°	361.3	7.0
70°-80°	198.9	3.8
80°-90°	56.1	1.1
90°-100°	38.6	0.7
100°-110°	114.5	2.2
110°-120°	194.3	3.8
120°-130°	256.2	5.0
130°-140°	287.7	5.6
140°-150°	282.7	5.5
150°-160°	237.8	4.6
160°-170°	158.2	3.1
170°-180°	55.4	1.1
0°-30°	1121.9	21.7
0°-40°	1802.3	34.9
0°-60°	2927.7	56.6
0°-90°	3544.0	68.6
90°-120°	347.4	6.7
90°-150°	1174.1	22.7
90°-180°	1626.0	31.5
0°-180°	5169.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1284	1284	1284	1284	1284	
5°	1506	1282	1132	1282	1506	153
15°	2069	1225	907	1225	2069	585
25°	2196	1120	737	1120	2196	968
35°	1299	972	653	972	1299	824
45°	729	776	584	776	729	574
55°	476	547	510	547	476	430
65°	306	340	407	340	306	303
75°	153	165	252	165	153	163
85°	32	33	79	33	32	39
90°	14	1	14	1	14	8
95°	36	27	36	27	36	37
105°	111	106	111	106	111	117
115°	196	198	196	198	196	193
125°	286	288	286	288	286	255
135°	372	371	372	371	372	287
145°	451	451	451	451	451	282
155°	516	517	516	517	516	238
165°	561	562	561	562	561	158
175°	582	585	582	585	582	55
180°	586	586	586	586	586	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1366.4	1366.0	1361.7	1360.9	1357.9	1354.1	1353.2	1346.4	1332.8	1326.4	1324.7
5°	1506.2	1516.8	1503.0	1500.3	1498.7	1481.2	1472.1	1461.5	1437.0	1422.7	1411.5
7.5°	1673.0	1674.2	1668.2	1663.3	1649.8	1634.4	1611.5	1587.0	1557.9	1527.5	1504.7
10°	1782.7	1787.0	1780.1	1779.0	1751.9	1734.9	1700.8	1672.1	1639.1	1602.4	1568.9
12.5°	1898.5	1892.5	1889.0	1866.2	1861.2	1830.2	1790.6	1761.0	1710.2	1668.0	1623.4
15°	2068.9	2057.2	2049.7	2018.3	2002.9	1959.8	1917.8	1885.4	1818.9	1755.6	1707.7
17.5°	2168.8	2180.5	2163.3	2150.4	2110.5	2080.3	2037.4	1969.3	1917.3	1838.7	1778.3
20°	2241.2	2242.2	2232.7	2219.4	2188.0	2149.7	2102.9	2028.4	1966.2	1888.0	1805.1
22.5°	2260.7	2261.0	2256.9	2244.5	2220.7	2189.7	2142.5	2080.3	2004.9	1919.9	1837.0
25°	2196.5	2194.4	2199.2	2213.0	2203.9	2194.4	2167.2	2121.0	2050.8	1960.9	1871.5
27.5°	1957.8	1972.5	1999.5	2033.5	2066.3	2091.3	2098.3	2088.8	2045.3	1971.4	1877.8
30°	1785.9	1804.0	1824.2	1858.2	1924.2	1962.0	2003.4	2034.8	2017.3	1958.2	1871.0
32.5°	1597.0	1601.5	1631.5	1670.2	1730.6	1803.3	1869.0	1932.7	1953.9	1922.9	1850.2
35°	1298.7	1306.2	1338.6	1376.9	1450.9	1539.7	1638.6	1726.9	1799.7	1829.0	1791.8
37.5°	1059.8	1081.2	1104.1	1145.3	1210.4	1290.3	1393.1	1507.3	1615.9	1688.7	1701.0
40°	946.7	960.0	976.5	1007.8	1063.1	1141.9	1230.1	1361.0	1476.4	1580.6	1614.7
42.5°	857.3	865.1	875.2	903.6	945.7	1024.0	1104.6	1219.7	1335.6	1460.2	1517.2
45°	728.6	736.6	753.6	770.1	802.0	856.3	931.2	1025.9	1142.4	1262.6	1367.9
47.5°	635.7	640.8	650.9	668.5	695.6	731.4	792.4	871.5	979.4	1096.1	1208.3
50°	582.9	587.1	595.1	611.1	631.8	663.7	713.7	787.7	872.2	989.8	1099.8
52.5°	541.2	542.9	548.8	559.6	576.1	602.9	643.9	705.1	783.7	888.5	998.2
55°	476.5	478.7	484.0	492.0	506.3	523.3	554.7	600.4	669.1	760.0	855.2
57.5°	423.3	424.8	429.3	432.4	444.2	458.0	482.2	514.8	566.8	643.9	728.9
60°	389.3	388.2	393.6	396.2	404.2	415.9	434.5	465.9	511.1	573.3	651.5
62.5°	356.1	354.6	359.1	362.6	367.2	377.2	392.4	417.0	453.7	509.9	577.5
65°	306.3	304.2	306.9	311.1	315.4	320.7	331.9	353.7	382.9	423.3	474.9
67.5°	256.3	258.6	259.0	261.1	263.6	270.8	278.5	293.9	314.5	346.9	390.6
70°	226.6	227.1	229.2	229.2	230.8	237.2	243.6	252.6	272.8	302.6	338.2
72.5°	196.8	199.0	198.2	199.9	201.0	205.3	210.0	218.6	235.8	257.9	288.0
75°	153.2	154.8	154.8	155.3	156.9	158.5	162.2	168.6	180.8	197.3	218.1
77.5°	111.7	111.9	112.6	114.6	114.6	117.1	119.9	125.0	131.0	142.3	155.0
80°	86.2	87.2	86.7	87.8	87.8	89.9	90.9	97.3	100.0	107.4	117.5
82.5°	63.2	64.2	64.1	65.6	66.5	66.9	68.4	70.9	73.6	80.2	84.3
85°	31.9	33.0	31.9	33.0	34.6	35.1	36.7	37.2	39.4	41.0	44.7
87.5°	12.1	13.3	13.3	13.7	14.5	14.8	15.1	14.6	16.2	16.5	18.0
90°	13.6	13.4	13.2	13.0	12.8	12.4	11.8	11.2	10.6	10.0	9.2
92.5°	20.1	20.0	19.9	19.8	19.6	19.4	19.0	18.7	18.3	17.9	17.4
95°	35.8	35.8	35.8	35.8	35.8	35.6	35.3	35.0	34.7	34.4	33.7
97.5°	56.1	56.1	56.1	56.1	56.1	55.9	55.6	55.2	54.8	54.5	53.6
100°	70.2	70.2	70.2	70.2	70.2	70.1	69.9	69.7	69.5	69.3	68.4
102.5°	86.2	86.1	86.0	85.9	85.9	85.7	85.4	85.1	84.8	84.6	83.7
105°	110.6	110.3	110.0	109.7	109.4	109.1	108.8	108.5	108.1	107.8	107.4
107.5°	134.3	134.3	134.4	134.4	134.4	134.3	134.0	133.7	133.4	133.1	133.1
110°	151.3	151.0	150.7	150.4	150.1	150.1	150.3	150.5	150.7	150.9	151.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	168.7	168.7	168.6	168.6	168.5	168.5	168.5	168.6	168.6	168.7	168.8
115°	195.8	195.9	196.0	196.1	196.2	196.3	196.4	196.5	196.6	196.7	196.9
117.5°	221.5	221.7	221.9	222.1	222.3	222.6	222.9	223.3	223.6	223.9	224.1
120°	241.1	240.9	240.7	240.5	240.3	240.4	240.9	241.4	241.9	242.4	242.7
122.5°	257.4	257.7	258.1	258.5	258.8	259.2	259.5	259.9	260.2	260.6	260.7
125°	285.5	285.7	285.9	286.1	286.3	286.5	286.7	286.9	287.1	287.3	287.4
127.5°	311.5	311.7	311.8	312.0	312.1	312.3	312.5	312.7	312.9	313.1	313.3
130°	328.5	328.9	329.3	329.7	330.1	330.4	330.6	330.8	331.0	331.2	331.2
132.5°	346.7	346.8	347.0	347.1	347.3	347.5	347.7	347.9	348.1	348.3	348.4
135°	371.6	371.9	372.2	372.5	372.8	373.0	373.2	373.4	373.6	373.8	373.8
137.5°	397.8	397.7	397.6	397.6	397.5	397.6	397.9	398.1	398.4	398.7	398.5
140°	413.7	413.8	413.9	414.0	414.1	414.2	414.3	414.4	414.5	414.6	414.6
142.5°	429.7	429.7	429.7	429.7	429.7	429.8	429.8	429.8	429.8	429.8	429.9
145°	451.3	451.6	451.9	452.2	452.5	452.7	452.8	452.9	453.0	453.1	453.0
147.5°	473.3	473.4	473.5	473.6	473.7	473.8	473.8	473.9	474.0	474.1	474.2
150°	486.7	486.8	486.9	487.0	487.1	487.1	487.1	487.1	487.1	487.1	487.1
152.5°	499.0	499.3	499.5	499.8	500.0	500.1	499.8	499.6	499.3	499.1	499.0
155°	516.1	516.5	516.9	517.3	517.7	517.7	517.3	516.9	516.5	516.1	516.2
157.5°	531.4	531.8	532.1	532.5	532.8	532.8	532.5	532.2	531.9	531.6	531.6
160°	540.1	540.6	541.2	541.7	542.2	542.3	542.0	541.7	541.4	541.1	541.2
162.5°	549.2	549.7	550.2	550.7	551.2	551.2	550.7	550.1	549.6	549.0	549.1
165°	561.0	561.4	561.8	562.2	562.6	562.5	561.9	561.3	560.7	560.1	560.3
167.5°	569.4	570.0	570.7	571.3	571.9	571.9	571.3	570.7	570.1	569.5	569.5
170°	574.1	574.8	575.5	576.2	576.9	577.0	576.4	575.8	575.2	574.6	574.5
172.5°	578.1	578.8	579.5	580.2	580.9	580.9	580.3	579.6	578.9	578.2	578.2
175°	582.3	583.0	583.7	584.4	585.1	585.1	584.4	583.7	583.0	582.3	582.4
177.5°	584.5	585.1	585.8	586.4	587.0	587.1	586.5	586.0	585.4	584.8	584.8
180°	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1325.1	1319.2	1314.9	1311.5	1302.2	1296.6	1292.4	1286.4	1279.6	1272.4	1263.4
5°	1400.3	1382.2	1369.0	1348.7	1329.6	1313.6	1297.2	1282.3	1264.2	1244.5	1230.1
7.5°	1479.4	1452.5	1418.0	1388.1	1354.5	1325.2	1299.1	1272.3	1244.4	1217.4	1192.6
10°	1529.6	1495.0	1456.7	1411.5	1369.0	1331.2	1296.1	1262.1	1229.1	1196.1	1167.9
12.5°	1583.6	1540.5	1483.9	1431.1	1383.4	1332.9	1290.6	1248.9	1209.1	1174.4	1141.5
15°	1656.1	1593.9	1528.5	1457.8	1395.0	1336.0	1278.0	1225.4	1180.7	1134.9	1103.0
17.5°	1700.7	1623.7	1548.9	1475.0	1399.1	1324.6	1262.1	1201.3	1145.4	1099.9	1059.7
20°	1730.1	1653.5	1560.4	1486.5	1396.1	1319.5	1247.2	1179.6	1121.1	1072.7	1031.2
22.5°	1755.6	1667.1	1574.0	1476.7	1386.7	1305.5	1226.3	1158.3	1098.6	1047.6	1007.8
25°	1769.4	1667.8	1566.8	1470.0	1367.9	1271.6	1199.8	1120.1	1056.2	1002.5	960.0
27.5°	1770.9	1662.3	1548.0	1440.4	1335.0	1245.4	1154.7	1083.5	1017.2	960.4	919.5
30°	1766.2	1653.0	1530.1	1413.6	1307.8	1210.5	1131.8	1054.1	986.6	930.2	887.6
32.5°	1751.3	1633.4	1507.1	1383.8	1274.2	1179.0	1097.7	1023.9	958.1	902.5	857.9
35°	1708.3	1591.8	1457.2	1329.1	1216.8	1120.6	1047.2	972.2	906.3	853.6	810.5
37.5°	1640.9	1535.6	1398.8	1266.2	1156.0	1059.3	986.6	918.8	859.3	805.8	761.7
40°	1582.2	1489.7	1352.5	1223.2	1104.1	1012.1	944.0	881.8	822.8	772.2	730.2
42.5°	1514.6	1433.9	1307.4	1170.5	1055.6	963.2	896.8	840.9	785.3	738.6	696.6
45°	1393.9	1340.8	1221.6	1095.1	975.4	888.2	824.9	776.0	729.2	683.4	648.3
47.5°	1255.2	1228.9	1128.6	1008.4	894.8	808.8	753.9	708.7	667.7	629.0	598.0
50°	1162.1	1149.3	1062.6	946.7	838.2	757.3	702.0	663.2	628.1	594.1	564.8
52.5°	1070.2	1069.7	991.6	885.4	785.0	707.1	652.2	616.0	585.6	557.9	531.6
55°	929.7	944.5	883.4	788.7	698.8	628.6	579.2	546.7	525.5	502.6	482.9
57.5°	800.6	825.3	774.9	691.5	616.5	551.8	508.8	484.4	461.7	447.9	433.6
60°	716.4	739.8	700.4	630.2	559.5	504.2	463.2	441.4	421.7	412.2	402.1
62.5°	641.5	662.4	633.2	568.1	506.7	453.6	419.0	398.0	384.7	374.3	367.6
65°	534.5	552.0	527.1	479.7	427.1	384.5	356.3	339.8	327.1	322.8	315.4
67.5°	432.1	448.0	434.5	394.3	352.1	319.8	297.8	282.0	274.4	270.7	265.4
70°	371.2	387.2	372.8	337.7	305.3	278.2	257.4	248.4	240.4	238.8	231.3
72.5°	319.7	330.6	316.2	288.8	261.0	238.2	222.1	212.6	208.5	205.6	201.6
75°	239.9	249.4	239.9	218.6	198.9	183.0	169.1	165.4	160.6	159.0	156.4
77.5°	169.8	178.1	170.7	157.4	142.7	130.4	123.0	118.2	117.1	114.3	115.6
80°	129.8	135.1	128.2	119.1	107.4	98.9	93.6	90.9	87.8	86.7	88.8
82.5°	93.2	95.5	92.0	85.9	77.2	71.7	68.1	65.0	64.4	64.6	64.6
85°	48.4	47.9	47.3	42.0	39.4	35.6	33.5	33.0	32.4	33.5	34.6
87.5°	17.8	18.1	17.5	15.6	14.1	12.6	12.0	11.3	12.0	12.6	13.3
90°	8.4	7.6	6.7	5.8	4.7	3.6	2.5	1.4	2.5	3.6	4.7
92.5°	16.8	16.3	15.7	14.8	13.5	12.2	11.0	9.7	11.0	12.2	13.5
95°	33.0	32.3	31.6	30.8	29.9	29.0	28.1	27.2	28.1	29.0	29.9
97.5°	52.8	52.0	51.2	50.4	49.7	48.9	48.2	47.5	48.2	48.9	49.7
100°	67.5	66.6	65.7	65.1	64.6	64.2	63.8	63.4	63.8	64.2	64.6
102.5°	82.9	82.1	81.3	80.8	80.6	80.4	80.3	80.1	80.3	80.4	80.6
105°	107.0	106.6	106.2	106.0	105.9	105.8	105.7	105.6	105.7	105.8	105.9
107.5°	133.0	133.0	132.9	132.8	132.7	132.6	132.4	132.3	132.4	132.6	132.7
110°	151.1	151.2	151.3	151.2	151.0	150.8	150.6	150.4	150.6	150.8	151.0





TEST NUMBER: P332776

CATALOG NUMBER: S124DIW-S795D470U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	169.0	169.2	169.4	169.5	169.4	169.4	169.3	169.3	169.3	169.4	169.4
115°	197.1	197.3	197.5	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6
117.5°	224.2	224.4	224.5	224.5	224.5	224.4	224.3	224.2	224.3	224.4	224.5
120°	243.0	243.3	243.6	243.6	243.2	242.8	242.4	242.0	242.4	242.8	243.2
122.5°	260.8	261.0	261.1	261.1	260.9	260.8	260.6	260.5	260.6	260.8	260.9
125°	287.5	287.6	287.7	287.7	287.7	287.7	287.7	287.7	287.7	287.7	287.7
127.5°	313.4	313.6	313.8	313.7	313.4	313.1	312.8	312.5	312.8	313.1	313.4
130°	331.2	331.2	331.2	331.1	330.8	330.5	330.2	329.9	330.2	330.5	330.8
132.5°	348.4	348.5	348.6	348.5	348.3	348.1	347.9	347.6	347.9	348.1	348.3
135°	373.8	373.8	373.8	373.5	372.9	372.3	371.7	371.1	371.7	372.3	372.9
137.5°	398.4	398.2	398.0	397.8	397.5	397.2	397.0	396.7	397.0	397.2	397.5
140°	414.6	414.6	414.6	414.5	414.3	414.1	413.9	413.7	413.9	414.1	414.3
142.5°	430.0	430.1	430.2	430.1	429.9	429.7	429.5	429.3	429.5	429.7	429.9
145°	452.9	452.8	452.7	452.5	452.1	451.7	451.3	450.9	451.3	451.7	452.1
147.5°	474.2	474.3	474.4	474.2	473.7	473.2	472.7	472.3	472.7	473.2	473.7
150°	487.1	487.1	487.1	486.9	486.5	486.1	485.7	485.3	485.7	486.1	486.5
152.5°	498.9	498.8	498.8	498.6	498.4	498.1	497.9	497.6	497.9	498.1	498.4
155°	516.3	516.4	516.5	516.6	516.6	516.6	516.6	516.6	516.6	516.6	516.6
157.5°	531.7	531.7	531.7	531.8	532.0	532.2	532.3	532.5	532.3	532.2	532.0
160°	541.3	541.4	541.5	541.6	541.7	541.8	541.9	542.0	541.9	541.8	541.7
162.5°	549.2	549.3	549.4	549.6	549.9	550.1	550.4	550.7	550.4	550.1	549.9
165°	560.5	560.7	560.9	561.1	561.4	561.7	562.0	562.3	562.0	561.7	561.4
167.5°	569.5	569.4	569.4	569.6	570.1	570.5	570.9	571.3	570.9	570.5	570.1
170°	574.4	574.3	574.2	574.4	574.9	575.4	575.9	576.4	575.9	575.4	574.9
172.5°	578.2	578.1	578.1	578.3	578.8	579.2	579.6	580.0	579.6	579.2	578.8
175°	582.5	582.6	582.7	583.0	583.5	584.0	584.5	585.0	584.5	584.0	583.5
177.5°	584.8	584.8	584.8	585.0	585.4	585.8	586.2	586.6	586.2	585.8	585.4
180°	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9



TEST NUMBER: P332776

CATALOG NUMBER: S124DIW-S795D470U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1259.2	1255.4	1249.8	1242.2	1235.8	1229.0	1227.3	1224.7	1229.8	1225.6	1224.3
5°	1217.9	1206.7	1192.4	1175.9	1166.3	1152.5	1149.8	1144.5	1139.2	1138.7	1133.3
7.5°	1174.2	1157.8	1139.0	1122.2	1106.6	1091.5	1081.7	1079.5	1071.7	1067.1	1061.8
10°	1146.1	1125.9	1104.1	1088.1	1070.1	1054.1	1042.9	1036.6	1031.2	1025.4	1020.1
12.5°	1112.9	1091.4	1073.5	1056.2	1034.7	1022.6	1004.2	993.2	992.1	992.2	978.4
15°	1074.3	1053.0	1025.4	1000.9	989.2	965.8	955.7	942.9	935.0	927.0	920.6
17.5°	1030.2	1003.7	982.1	954.0	931.7	913.1	899.8	892.1	880.1	868.8	860.6
20°	1002.5	974.3	951.5	921.7	897.2	874.3	863.2	852.5	843.5	833.9	824.9
22.5°	974.4	945.0	917.0	888.1	865.3	841.2	830.4	815.9	807.3	802.0	793.0
25°	930.2	898.3	866.4	838.7	815.3	794.0	779.7	768.5	758.9	754.7	748.8
27.5°	882.1	850.4	819.6	788.2	761.6	746.2	734.7	726.3	720.7	715.1	712.5
30°	851.5	818.5	785.5	756.3	731.8	716.4	705.7	699.9	695.6	693.0	690.3
32.5°	820.4	787.9	753.2	726.5	704.6	690.9	682.8	676.9	674.8	673.8	672.9
35°	770.6	737.7	705.7	681.8	661.1	655.8	648.8	645.7	644.6	648.3	649.9
37.5°	722.4	691.8	662.5	639.3	625.7	617.9	615.5	615.7	619.5	622.8	626.6
40°	691.4	661.6	634.0	613.7	601.0	596.2	595.1	597.8	602.0	605.8	610.0
42.5°	661.2	631.8	606.7	587.8	578.9	574.5	575.1	577.8	583.7	588.3	594.7
45°	614.3	589.8	565.3	549.9	542.5	543.5	543.5	548.3	554.2	561.1	568.0
47.5°	570.1	545.5	525.3	512.4	508.5	507.6	510.6	516.8	525.2	533.8	543.4
50°	540.3	516.9	499.4	487.7	483.4	485.0	489.3	495.1	505.2	515.9	526.0
52.5°	510.1	488.9	472.6	461.7	458.8	461.6	465.9	475.1	484.0	495.5	507.7
55°	463.2	445.1	432.4	424.4	423.3	424.9	429.7	439.8	452.6	467.0	478.7
57.5°	416.5	401.4	389.7	384.2	384.7	386.2	394.1	406.1	419.7	435.0	450.1
60°	385.1	371.2	361.7	357.4	357.9	361.1	370.7	381.9	398.9	413.8	429.7
62.5°	355.3	343.1	334.0	330.2	329.4	336.4	345.6	357.2	374.2	390.8	408.0
65°	307.4	297.8	290.4	288.3	289.9	295.2	306.9	322.3	336.7	354.2	372.3
67.5°	260.6	252.7	247.6	248.6	250.5	258.4	268.2	281.4	297.7	315.9	333.8
70°	230.8	223.4	219.1	219.6	222.8	232.4	240.9	254.2	271.8	290.4	305.3
72.5°	200.2	195.3	191.5	193.7	196.9	203.5	214.1	227.4	242.8	260.2	275.9
75°	153.7	153.7	151.6	153.2	158.0	164.3	172.3	186.1	201.6	215.4	228.2
77.5°	114.0	112.9	114.2	116.2	118.9	126.5	135.6	145.5	157.1	170.9	181.5
80°	87.2	87.8	90.4	93.6	94.7	100.5	110.1	119.1	128.2	139.9	150.0
82.5°	65.5	66.1	67.4	71.5	72.5	78.8	85.0	94.0	102.2	110.1	118.5
85°	35.6	35.6	38.3	39.9	42.5	46.8	50.5	55.8	63.3	68.6	76.6
87.5°	14.8	15.0	16.8	17.8	19.3	21.6	22.5	27.3	29.2	31.4	35.3
90°	5.8	6.7	7.6	8.4	9.2	10.0	10.6	11.2	11.8	12.4	12.8
92.5°	14.8	15.7	16.3	16.8	17.4	17.9	18.3	18.7	19.0	19.4	19.6
95°	30.8	31.6	32.3	33.0	33.7	34.4	34.7	35.0	35.3	35.6	35.8
97.5°	50.4	51.2	52.0	52.8	53.6	54.5	54.8	55.2	55.6	55.9	56.1
100°	65.1	65.7	66.6	67.5	68.4	69.3	69.5	69.7	69.9	70.1	70.2
102.5°	80.8	81.3	82.1	82.9	83.7	84.6	84.8	85.1	85.4	85.7	85.9
105°	106.0	106.2	106.6	107.0	107.4	107.8	108.1	108.5	108.8	109.1	109.4
107.5°	132.8	132.9	133.0	133.0	133.1	133.1	133.4	133.7	134.0	134.3	134.4
110°	151.2	151.3	151.2	151.1	151.0	150.9	150.7	150.5	150.3	150.1	150.1



TEST NUMBER: P332776

CATALOG NUMBER: S124DIW-S795D470U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	169.5	169.4	169.2	169.0	168.8	168.7	168.6	168.6	168.5	168.5	168.5
115°	197.6	197.5	197.3	197.1	196.9	196.7	196.6	196.5	196.4	196.3	196.2
117.5°	224.5	224.5	224.4	224.2	224.1	223.9	223.6	223.3	222.9	222.6	222.3
120°	243.6	243.6	243.3	243.0	242.7	242.4	241.9	241.4	240.9	240.4	240.3
122.5°	261.1	261.1	261.0	260.8	260.7	260.6	260.2	259.9	259.5	259.2	258.8
125°	287.7	287.7	287.6	287.5	287.4	287.3	287.1	286.9	286.7	286.5	286.3
127.5°	313.7	313.8	313.6	313.4	313.3	313.1	312.9	312.7	312.5	312.3	312.1
130°	331.1	331.2	331.2	331.2	331.2	331.2	331.0	330.8	330.6	330.4	330.1
132.5°	348.5	348.6	348.5	348.4	348.4	348.3	348.1	347.9	347.7	347.5	347.3
135°	373.5	373.8	373.8	373.8	373.8	373.8	373.6	373.4	373.2	373.0	372.8
137.5°	397.8	398.0	398.2	398.4	398.5	398.7	398.4	398.1	397.9	397.6	397.5
140°	414.5	414.6	414.6	414.6	414.6	414.6	414.5	414.4	414.3	414.2	414.1
142.5°	430.1	430.2	430.1	430.0	429.9	429.8	429.8	429.8	429.8	429.8	429.7
145°	452.5	452.7	452.8	452.9	453.0	453.1	453.0	452.9	452.8	452.7	452.5
147.5°	474.2	474.4	474.3	474.2	474.2	474.1	474.0	473.9	473.8	473.8	473.7
150°	486.9	487.1	487.1	487.1	487.1	487.1	487.1	487.1	487.1	487.1	487.1
152.5°	498.6	498.8	498.8	498.9	499.0	499.1	499.3	499.6	499.8	500.1	500.0
155°	516.6	516.5	516.4	516.3	516.2	516.1	516.5	516.9	517.3	517.7	517.7
157.5°	531.8	531.7	531.7	531.7	531.6	531.6	531.9	532.2	532.5	532.8	532.8
160°	541.6	541.5	541.4	541.3	541.2	541.1	541.4	541.7	542.0	542.3	542.2
162.5°	549.6	549.4	549.3	549.2	549.1	549.0	549.6	550.1	550.7	551.2	551.2
165°	561.1	560.9	560.7	560.5	560.3	560.1	560.7	561.3	561.9	562.5	562.6
167.5°	569.6	569.4	569.4	569.5	569.5	569.5	570.1	570.7	571.3	571.9	571.9
170°	574.4	574.2	574.3	574.4	574.5	574.6	575.2	575.8	576.4	577.0	576.9
172.5°	578.3	578.1	578.1	578.2	578.2	578.2	578.9	579.6	580.3	580.9	580.9
175°	583.0	582.7	582.6	582.5	582.4	582.3	583.0	583.7	584.4	585.1	585.1
177.5°	585.0	584.8	584.8	584.8	584.8	584.8	585.4	586.0	586.5	587.1	587.0
180°	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9



TEST NUMBER: P332776

CATALOG NUMBER: S124DIW-S795D470U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1223.4	1222.6	1219.6	1219.2	1219.6	1222.6	1223.4	1224.3	1225.6	1229.8	1224.7
5°	1130.2	1127.5	1125.9	1131.8	1125.9	1127.5	1130.2	1133.3	1138.7	1139.2	1144.5
7.5°	1059.8	1057.7	1053.0	1051.6	1053.0	1057.7	1059.8	1061.8	1067.1	1071.7	1079.5
10°	1014.7	1012.6	1008.4	1007.3	1008.4	1012.6	1014.7	1020.1	1025.4	1031.2	1036.6
12.5°	971.3	967.1	966.2	967.3	966.2	967.1	971.3	978.4	992.2	992.1	993.2
15°	913.7	911.6	905.7	907.3	905.7	911.6	913.7	920.6	927.0	935.0	942.9
17.5°	856.9	854.3	847.2	853.5	847.2	854.3	856.9	860.6	868.8	880.1	892.1
20°	821.2	816.9	813.2	812.6	813.2	816.9	821.2	824.9	833.9	843.5	852.5
22.5°	787.1	783.3	783.0	779.5	783.0	783.3	787.1	793.0	802.0	807.3	815.9
25°	744.6	740.9	739.8	737.1	739.8	740.9	744.6	748.8	754.7	758.9	768.5
27.5°	711.9	710.1	708.2	709.0	708.2	710.1	711.9	712.5	715.1	720.7	726.3
30°	691.9	691.4	690.3	690.3	690.3	691.4	691.9	690.3	693.0	695.6	699.9
32.5°	675.3	675.2	675.9	675.9	675.9	675.2	675.3	672.9	673.8	674.8	676.9
35°	652.0	653.6	654.7	653.1	654.7	653.6	652.0	649.9	648.3	644.6	645.7
37.5°	631.0	632.6	634.1	635.9	634.1	632.6	631.0	626.6	622.8	619.5	615.7
40°	614.8	618.5	619.6	622.3	619.6	618.5	614.8	610.0	605.8	602.0	597.8
42.5°	599.5	603.6	606.4	606.9	606.4	603.6	599.5	594.7	588.3	583.7	577.8
45°	576.0	580.2	584.0	584.0	584.0	580.2	576.0	568.0	561.1	554.2	548.3
47.5°	551.6	557.8	561.5	562.5	561.5	557.8	551.6	543.4	533.8	525.2	516.8
50°	535.0	542.5	546.2	548.9	546.2	542.5	535.0	526.0	515.9	505.2	495.1
52.5°	518.9	526.3	531.3	532.7	531.3	526.3	518.9	507.7	495.5	484.0	475.1
55°	490.9	501.5	507.4	509.5	507.4	501.5	490.9	478.7	467.0	452.6	439.8
57.5°	464.5	474.3	481.1	482.7	481.1	474.3	464.5	450.1	435.0	419.7	406.1
60°	444.1	454.7	463.2	464.8	463.2	454.7	444.1	429.7	413.8	398.9	381.9
62.5°	423.2	434.3	442.0	446.1	442.0	434.3	423.2	408.0	390.8	374.2	357.2
65°	387.2	398.3	405.8	407.4	405.8	398.3	387.2	372.3	354.2	336.7	322.3
67.5°	347.8	359.0	363.9	367.0	363.9	359.0	347.8	333.8	315.9	297.7	281.4
70°	320.2	329.2	334.5	337.2	334.5	329.2	320.2	305.3	290.4	271.8	254.2
72.5°	288.7	298.1	304.3	304.8	304.3	298.1	288.7	275.9	260.2	242.8	227.4
75°	240.4	248.9	252.1	252.1	252.1	248.9	240.4	228.2	215.4	201.6	186.1
77.5°	190.3	194.7	198.7	199.5	198.7	194.7	190.3	181.5	170.9	157.1	145.5
80°	158.0	160.6	163.8	163.8	163.8	160.6	158.0	150.0	139.9	128.2	119.1
82.5°	124.8	127.0	130.2	129.8	130.2	127.0	124.8	118.5	110.1	102.2	94.0
85°	75.5	80.3	79.8	78.7	79.8	80.3	75.5	76.6	68.6	63.3	55.8
87.5°	36.6	37.1	38.4	39.3	38.4	37.1	36.6	35.3	31.4	29.2	27.3
90°	13.0	13.2	13.4	13.6	13.4	13.2	13.0	12.8	12.4	11.8	11.2
92.5°	19.8	19.9	20.0	20.1	20.0	19.9	19.8	19.6	19.4	19.0	18.7
95°	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.6	35.3	35.0
97.5°	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	55.9	55.6	55.2
100°	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.1	69.9	69.7
102.5°	85.9	86.0	86.1	86.2	86.1	86.0	85.9	85.9	85.7	85.4	85.1
105°	109.7	110.0	110.3	110.6	110.3	110.0	109.7	109.4	109.1	108.8	108.5
107.5°	134.4	134.4	134.3	134.3	134.3	134.4	134.4	134.4	134.3	134.0	133.7
110°	150.4	150.7	151.0	151.3	151.0	150.7	150.4	150.1	150.1	150.3	150.5



TEST NUMBER: P332776

CATALOG NUMBER: S124DIW-S795D470U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	168.6	168.6	168.7	168.7	168.7	168.6	168.6	168.5	168.5	168.5	168.6
115°	196.1	196.0	195.9	195.8	195.9	196.0	196.1	196.2	196.3	196.4	196.5
117.5°	222.1	221.9	221.7	221.5	221.7	221.9	222.1	222.3	222.6	222.9	223.3
120°	240.5	240.7	240.9	241.1	240.9	240.7	240.5	240.3	240.4	240.9	241.4
122.5°	258.5	258.1	257.7	257.4	257.7	258.1	258.5	258.8	259.2	259.5	259.9
125°	286.1	285.9	285.7	285.5	285.7	285.9	286.1	286.3	286.5	286.7	286.9
127.5°	312.0	311.8	311.7	311.5	311.7	311.8	312.0	312.1	312.3	312.5	312.7
130°	329.7	329.3	328.9	328.5	328.9	329.3	329.7	330.1	330.4	330.6	330.8
132.5°	347.1	347.0	346.8	346.7	346.8	347.0	347.1	347.3	347.5	347.7	347.9
135°	372.5	372.2	371.9	371.6	371.9	372.2	372.5	372.8	373.0	373.2	373.4
137.5°	397.6	397.6	397.7	397.8	397.7	397.6	397.6	397.5	397.6	397.9	398.1
140°	414.0	413.9	413.8	413.7	413.8	413.9	414.0	414.1	414.2	414.3	414.4
142.5°	429.7	429.7	429.7	429.7	429.7	429.7	429.7	429.7	429.8	429.8	429.8
145°	452.2	451.9	451.6	451.3	451.6	451.9	452.2	452.5	452.7	452.8	452.9
147.5°	473.6	473.5	473.4	473.3	473.4	473.5	473.6	473.7	473.8	473.8	473.9
150°	487.0	486.9	486.8	486.7	486.8	486.9	487.0	487.1	487.1	487.1	487.1
152.5°	499.8	499.5	499.3	499.0	499.3	499.5	499.8	500.0	500.1	499.8	499.6
155°	517.3	516.9	516.5	516.1	516.5	516.9	517.3	517.7	517.7	517.3	516.9
157.5°	532.5	532.1	531.8	531.4	531.8	532.1	532.5	532.8	532.8	532.5	532.2
160°	541.7	541.2	540.6	540.1	540.6	541.2	541.7	542.2	542.3	542.0	541.7
162.5°	550.7	550.2	549.7	549.2	549.7	550.2	550.7	551.2	551.2	550.7	550.1
165°	562.2	561.8	561.4	561.0	561.4	561.8	562.2	562.6	562.5	561.9	561.3
167.5°	571.3	570.7	570.0	569.4	570.0	570.7	571.3	571.9	571.9	571.3	570.7
170°	576.2	575.5	574.8	574.1	574.8	575.5	576.2	576.9	577.0	576.4	575.8
172.5°	580.2	579.5	578.8	578.1	578.8	579.5	580.2	580.9	580.9	580.3	579.6
175°	584.4	583.7	583.0	582.3	583.0	583.7	584.4	585.1	585.1	584.4	583.7
177.5°	586.4	585.8	585.1	584.5	585.1	585.8	586.4	587.0	587.1	586.5	586.0
180°	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9



TEST NUMBER: P332776

CATALOG NUMBER: S124DIW-S795D470U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1227.3	1229.0	1235.8	1242.2	1249.8	1255.4	1259.2	1263.4	1272.4	1279.6	1286.4
5°	1149.8	1152.5	1166.3	1175.9	1192.4	1206.7	1217.9	1230.1	1244.5	1264.2	1282.3
7.5°	1081.7	1091.5	1106.6	1122.2	1139.0	1157.8	1174.2	1192.6	1217.4	1244.4	1272.3
10°	1042.9	1054.1	1070.1	1088.1	1104.1	1125.9	1146.1	1167.9	1196.1	1229.1	1262.1
12.5°	1004.2	1022.6	1034.7	1056.2	1073.5	1091.4	1112.9	1141.5	1174.4	1209.1	1248.9
15°	955.7	965.8	989.2	1000.9	1025.4	1053.0	1074.3	1103.0	1134.9	1180.7	1225.4
17.5°	899.8	913.1	931.7	954.0	982.1	1003.7	1030.2	1059.7	1099.9	1145.4	1201.3
20°	863.2	874.3	897.2	921.7	951.5	974.3	1002.5	1031.2	1072.7	1121.1	1179.6
22.5°	830.4	841.2	865.3	888.1	917.0	945.0	974.4	1007.8	1047.6	1098.6	1158.3
25°	779.7	794.0	815.3	838.7	866.4	898.3	930.2	960.0	1002.5	1056.2	1120.1
27.5°	734.7	746.2	761.6	788.2	819.6	850.4	882.1	919.5	960.4	1017.2	1083.5
30°	705.7	716.4	731.8	756.3	785.5	818.5	851.5	887.6	930.2	986.6	1054.1
32.5°	682.8	690.9	704.6	726.5	753.2	787.9	820.4	857.9	902.5	958.1	1023.9
35°	648.8	655.8	661.1	681.8	705.7	737.7	770.6	810.5	853.6	906.3	972.2
37.5°	615.5	617.9	625.7	639.3	662.5	691.8	722.4	761.7	805.8	859.3	918.8
40°	595.1	596.2	601.0	613.7	634.0	661.6	691.4	730.2	772.2	822.8	881.8
42.5°	575.1	574.5	578.9	587.8	606.7	631.8	661.2	696.6	738.6	785.3	840.9
45°	543.5	543.5	542.5	549.9	565.3	589.8	614.3	648.3	683.4	729.2	776.0
47.5°	510.6	507.6	508.5	512.4	525.3	545.5	570.1	598.0	629.0	667.7	708.7
50°	489.3	485.0	483.4	487.7	499.4	516.9	540.3	564.8	594.1	628.1	663.2
52.5°	465.9	461.6	458.8	461.7	472.6	488.9	510.1	531.6	557.9	585.6	616.0
55°	429.7	424.9	423.3	424.4	432.4	445.1	463.2	482.9	502.6	525.5	546.7
57.5°	394.1	386.2	384.7	384.2	389.7	401.4	416.5	433.6	447.9	461.7	484.4
60°	370.7	361.1	357.9	357.4	361.7	371.2	385.1	402.1	412.2	421.7	441.4
62.5°	345.6	336.4	329.4	330.2	334.0	343.1	355.3	367.6	374.3	384.7	398.0
65°	306.9	295.2	289.9	288.3	290.4	297.8	307.4	315.4	322.8	327.1	339.8
67.5°	268.2	258.4	250.5	248.6	247.6	252.7	260.6	265.4	270.7	274.4	282.0
70°	240.9	232.4	222.8	219.6	219.1	223.4	230.8	231.3	238.8	240.4	248.4
72.5°	214.1	203.5	196.9	193.7	191.5	195.3	200.2	201.6	205.6	208.5	212.6
75°	172.3	164.3	158.0	153.2	151.6	153.7	153.7	156.4	159.0	160.6	165.4
77.5°	135.6	126.5	118.9	116.2	114.2	112.9	114.0	115.6	114.3	117.1	118.2
80°	110.1	100.5	94.7	93.6	90.4	87.8	87.2	88.8	86.7	87.8	90.9
82.5°	85.0	78.8	72.5	71.5	67.4	66.1	65.5	64.6	64.6	64.4	65.0
85°	50.5	46.8	42.5	39.9	38.3	35.6	35.6	34.6	33.5	32.4	33.0
87.5°	22.5	21.6	19.3	17.8	16.8	15.0	14.8	13.3	12.6	12.0	11.3
90°	10.6	10.0	9.2	8.4	7.6	6.7	5.8	4.7	3.6	2.5	1.4
92.5°	18.3	17.9	17.4	16.8	16.3	15.7	14.8	13.5	12.2	11.0	9.7
95°	34.7	34.4	33.7	33.0	32.3	31.6	30.8	29.9	29.0	28.1	27.2
97.5°	54.8	54.5	53.6	52.8	52.0	51.2	50.4	49.7	48.9	48.2	47.5
100°	69.5	69.3	68.4	67.5	66.6	65.7	65.1	64.6	64.2	63.8	63.4
102.5°	84.8	84.6	83.7	82.9	82.1	81.3	80.8	80.6	80.4	80.3	80.1
105°	108.1	107.8	107.4	107.0	106.6	106.2	106.0	105.9	105.8	105.7	105.6
107.5°	133.4	133.1	133.1	133.0	133.0	132.9	132.8	132.7	132.6	132.4	132.3
110°	150.7	150.9	151.0	151.1	151.2	151.3	151.2	151.0	150.8	150.6	150.4



TEST NUMBER: P332776

CATALOG NUMBER: S124DIW-S795D470U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	168.6	168.7	168.8	169.0	169.2	169.4	169.5	169.4	169.4	169.3	169.3
115°	196.6	196.7	196.9	197.1	197.3	197.5	197.6	197.6	197.6	197.6	197.6
117.5°	223.6	223.9	224.1	224.2	224.4	224.5	224.5	224.5	224.4	224.3	224.2
120°	241.9	242.4	242.7	243.0	243.3	243.6	243.6	243.2	242.8	242.4	242.0
122.5°	260.2	260.6	260.7	260.8	261.0	261.1	261.1	260.9	260.8	260.6	260.5
125°	287.1	287.3	287.4	287.5	287.6	287.7	287.7	287.7	287.7	287.7	287.7
127.5°	312.9	313.1	313.3	313.4	313.6	313.8	313.7	313.4	313.1	312.8	312.5
130°	331.0	331.2	331.2	331.2	331.2	331.2	331.1	330.8	330.5	330.2	329.9
132.5°	348.1	348.3	348.4	348.4	348.5	348.6	348.5	348.3	348.1	347.9	347.6
135°	373.6	373.8	373.8	373.8	373.8	373.8	373.5	372.9	372.3	371.7	371.1
137.5°	398.4	398.7	398.5	398.4	398.2	398.0	397.8	397.5	397.2	397.0	396.7
140°	414.5	414.6	414.6	414.6	414.6	414.6	414.5	414.3	414.1	413.9	413.7
142.5°	429.8	429.8	429.9	430.0	430.1	430.2	430.1	429.9	429.7	429.5	429.3
145°	453.0	453.1	453.0	452.9	452.8	452.7	452.5	452.1	451.7	451.3	450.9
147.5°	474.0	474.1	474.2	474.2	474.3	474.4	474.2	473.7	473.2	472.7	472.3
150°	487.1	487.1	487.1	487.1	487.1	487.1	486.9	486.5	486.1	485.7	485.3
152.5°	499.3	499.1	499.0	498.9	498.8	498.8	498.6	498.4	498.1	497.9	497.6
155°	516.5	516.1	516.2	516.3	516.4	516.5	516.6	516.6	516.6	516.6	516.6
157.5°	531.9	531.6	531.6	531.7	531.7	531.7	531.8	532.0	532.2	532.3	532.5
160°	541.4	541.1	541.2	541.3	541.4	541.5	541.6	541.7	541.8	541.9	542.0
162.5°	549.6	549.0	549.1	549.2	549.3	549.4	549.6	549.9	550.1	550.4	550.7
165°	560.7	560.1	560.3	560.5	560.7	560.9	561.1	561.4	561.7	562.0	562.3
167.5°	570.1	569.5	569.5	569.5	569.4	569.4	569.6	570.1	570.5	570.9	571.3
170°	575.2	574.6	574.5	574.4	574.3	574.2	574.4	574.9	575.4	575.9	576.4
172.5°	578.9	578.2	578.2	578.2	578.1	578.1	578.3	578.8	579.2	579.6	580.0
175°	583.0	582.3	582.4	582.5	582.6	582.7	583.0	583.5	584.0	584.5	585.0
177.5°	585.4	584.8	584.8	584.8	584.8	584.8	585.0	585.4	585.8	586.2	586.6
180°	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9



TEST NUMBER: P332776

CATALOG NUMBER: S124DIW-S795D470U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1292.4	1296.6	1302.2	1311.5	1314.9	1319.2	1325.1	1324.7	1326.4	1332.8	1346.4
5°	1297.2	1313.6	1329.6	1348.7	1369.0	1382.2	1400.3	1411.5	1422.7	1437.0	1461.5
7.5°	1299.1	1325.2	1354.5	1388.1	1418.0	1452.5	1479.4	1504.7	1527.5	1557.9	1587.0
10°	1296.1	1331.2	1369.0	1411.5	1456.7	1495.0	1529.6	1568.9	1602.4	1639.1	1672.1
12.5°	1290.6	1332.9	1383.4	1431.1	1483.9	1540.5	1583.6	1623.4	1668.0	1710.2	1761.0
15°	1278.0	1336.0	1395.0	1457.8	1528.5	1593.9	1656.1	1707.7	1755.6	1818.9	1885.4
17.5°	1262.1	1324.6	1399.1	1475.0	1548.9	1623.7	1700.7	1778.3	1838.7	1917.3	1969.3
20°	1247.2	1319.5	1396.1	1486.5	1560.4	1653.5	1730.1	1805.1	1888.0	1966.2	2028.4
22.5°	1226.3	1305.5	1386.7	1476.7	1574.0	1667.1	1755.6	1837.0	1919.9	2004.9	2080.3
25°	1199.8	1271.6	1367.9	1470.0	1566.8	1667.8	1769.4	1871.5	1960.9	2050.8	2121.0
27.5°	1154.7	1245.4	1335.0	1440.4	1548.0	1662.3	1770.9	1877.8	1971.4	2045.3	2088.8
30°	1131.8	1210.5	1307.8	1413.6	1530.1	1653.0	1766.2	1871.0	1958.2	2017.3	2034.8
32.5°	1097.7	1179.0	1274.2	1383.8	1507.1	1633.4	1751.3	1850.2	1922.9	1953.9	1932.7
35°	1047.2	1120.6	1216.8	1329.1	1457.2	1591.8	1708.3	1791.8	1829.0	1799.7	1726.9
37.5°	986.6	1059.3	1156.0	1266.2	1398.8	1535.6	1640.9	1701.0	1688.7	1615.9	1507.3
40°	944.0	1012.1	1104.1	1223.2	1352.5	1489.7	1582.2	1614.7	1580.6	1476.4	1361.0
42.5°	896.8	963.2	1055.6	1170.5	1307.4	1433.9	1514.6	1517.2	1460.2	1335.6	1219.7
45°	824.9	888.2	975.4	1095.1	1221.6	1340.8	1393.9	1367.9	1262.6	1142.4	1025.9
47.5°	753.9	808.8	894.8	1008.4	1128.6	1228.9	1255.2	1208.3	1096.1	979.4	871.5
50°	702.0	757.3	838.2	946.7	1062.6	1149.3	1162.1	1099.8	989.8	872.2	787.7
52.5°	652.2	707.1	785.0	885.4	991.6	1069.7	1070.2	998.2	888.5	783.7	705.1
55°	579.2	628.6	698.8	788.7	883.4	944.5	929.7	855.2	760.0	669.1	600.4
57.5°	508.8	551.8	616.5	691.5	774.9	825.3	800.6	728.9	643.9	566.8	514.8
60°	463.2	504.2	559.5	630.2	700.4	739.8	716.4	651.5	573.3	511.1	465.9
62.5°	419.0	453.6	506.7	568.1	633.2	662.4	641.5	577.5	509.9	453.7	417.0
65°	356.3	384.5	427.1	479.7	527.1	552.0	534.5	474.9	423.3	382.9	353.7
67.5°	297.8	319.8	352.1	394.3	434.5	448.0	432.1	390.6	346.9	314.5	293.9
70°	257.4	278.2	305.3	337.7	372.8	387.2	371.2	338.2	302.6	272.8	252.6
72.5°	222.1	238.2	261.0	288.8	316.2	330.6	319.7	288.0	257.9	235.8	218.6
75°	169.1	183.0	198.9	218.6	239.9	249.4	239.9	218.1	197.3	180.8	168.6
77.5°	123.0	130.4	142.7	157.4	170.7	178.1	169.8	155.0	142.3	131.0	125.0
80°	93.6	98.9	107.4	119.1	128.2	135.1	129.8	117.5	107.4	100.0	97.3
82.5°	68.1	71.7	77.2	85.9	92.0	95.5	93.2	84.3	80.2	73.6	70.9
85°	33.5	35.6	39.4	42.0	47.3	47.9	48.4	44.7	41.0	39.4	37.2
87.5°	12.0	12.6	14.1	15.6	17.5	18.1	17.8	18.0	16.5	16.2	14.6
90°	2.5	3.6	4.7	5.8	6.7	7.6	8.4	9.2	10.0	10.6	11.2
92.5°	11.0	12.2	13.5	14.8	15.7	16.3	16.8	17.4	17.9	18.3	18.7
95°	28.1	29.0	29.9	30.8	31.6	32.3	33.0	33.7	34.4	34.7	35.0
97.5°	48.2	48.9	49.7	50.4	51.2	52.0	52.8	53.6	54.5	54.8	55.2
100°	63.8	64.2	64.6	65.1	65.7	66.6	67.5	68.4	69.3	69.5	69.7
102.5°	80.3	80.4	80.6	80.8	81.3	82.1	82.9	83.7	84.6	84.8	85.1
105°	105.7	105.8	105.9	106.0	106.2	106.6	107.0	107.4	107.8	108.1	108.5
107.5°	132.4	132.6	132.7	132.8	132.9	133.0	133.0	133.1	133.1	133.4	133.7
110°	150.6	150.8	151.0	151.2	151.3	151.2	151.1	151.0	150.9	150.7	150.5





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	169.3	169.4	169.4	169.5	169.4	169.2	169.0	168.8	168.7	168.6	168.6
115°	197.6	197.6	197.6	197.6	197.5	197.3	197.1	196.9	196.7	196.6	196.5
117.5°	224.3	224.4	224.5	224.5	224.5	224.4	224.2	224.1	223.9	223.6	223.3
120°	242.4	242.8	243.2	243.6	243.6	243.3	243.0	242.7	242.4	241.9	241.4
122.5°	260.6	260.8	260.9	261.1	261.1	261.0	260.8	260.7	260.6	260.2	259.9
125°	287.7	287.7	287.7	287.7	287.7	287.6	287.5	287.4	287.3	287.1	286.9
127.5°	312.8	313.1	313.4	313.7	313.8	313.6	313.4	313.3	313.1	312.9	312.7
130°	330.2	330.5	330.8	331.1	331.2	331.2	331.2	331.2	331.2	331.0	330.8
132.5°	347.9	348.1	348.3	348.5	348.6	348.5	348.4	348.4	348.3	348.1	347.9
135°	371.7	372.3	372.9	373.5	373.8	373.8	373.8	373.8	373.8	373.6	373.4
137.5°	397.0	397.2	397.5	397.8	398.0	398.2	398.4	398.5	398.7	398.4	398.1
140°	413.9	414.1	414.3	414.5	414.6	414.6	414.6	414.6	414.6	414.5	414.4
142.5°	429.5	429.7	429.9	430.1	430.2	430.1	430.0	429.9	429.8	429.8	429.8
145°	451.3	451.7	452.1	452.5	452.7	452.8	452.9	453.0	453.1	453.0	452.9
147.5°	472.7	473.2	473.7	474.2	474.4	474.3	474.2	474.2	474.1	474.0	473.9
150°	485.7	486.1	486.5	486.9	487.1	487.1	487.1	487.1	487.1	487.1	487.1
152.5°	497.9	498.1	498.4	498.6	498.8	498.8	498.9	499.0	499.1	499.3	499.6
155°	516.6	516.6	516.6	516.6	516.5	516.4	516.3	516.2	516.1	516.5	516.9
157.5°	532.3	532.2	532.0	531.8	531.7	531.7	531.7	531.6	531.6	531.9	532.2
160°	541.9	541.8	541.7	541.6	541.5	541.4	541.3	541.2	541.1	541.4	541.7
162.5°	550.4	550.1	549.9	549.6	549.4	549.3	549.2	549.1	549.0	549.6	550.1
165°	562.0	561.7	561.4	561.1	560.9	560.7	560.5	560.3	560.1	560.7	561.3
167.5°	570.9	570.5	570.1	569.6	569.4	569.4	569.5	569.5	569.5	570.1	570.7
170°	575.9	575.4	574.9	574.4	574.2	574.3	574.4	574.5	574.6	575.2	575.8
172.5°	579.6	579.2	578.8	578.3	578.1	578.1	578.2	578.2	578.2	578.9	579.6
175°	584.5	584.0	583.5	583.0	582.7	582.6	582.5	582.4	582.3	583.0	583.7
177.5°	586.2	585.8	585.4	585.0	584.8	584.8	584.8	584.8	584.8	585.4	586.0
180°	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1353.2	1354.1	1357.9	1360.9	1361.7	1366.0	1366.4
5°	1472.1	1481.2	1498.7	1500.3	1503.0	1516.8	1506.2
7.5°	1611.5	1634.4	1649.8	1663.3	1668.2	1674.2	1673.0
10°	1700.8	1734.9	1751.9	1779.0	1780.1	1787.0	1782.7
12.5°	1790.6	1830.2	1861.2	1866.2	1889.0	1892.5	1898.5
15°	1917.8	1959.8	2002.9	2018.3	2049.7	2057.2	2068.9
17.5°	2037.4	2080.3	2110.5	2150.4	2163.3	2180.5	2168.8
20°	2102.9	2149.7	2188.0	2219.4	2232.7	2242.2	2241.2
22.5°	2142.5	2189.7	2220.7	2244.5	2256.9	2261.0	2260.7
25°	2167.2	2194.4	2203.9	2213.0	2199.2	2194.4	2196.5
27.5°	2098.3	2091.3	2066.3	2033.5	1999.5	1972.5	1957.8
30°	2003.4	1962.0	1924.2	1858.2	1824.2	1804.0	1785.9
32.5°	1869.0	1803.3	1730.6	1670.2	1631.5	1601.5	1597.0
35°	1638.6	1539.7	1450.9	1376.9	1338.6	1306.2	1298.7
37.5°	1393.1	1290.3	1210.4	1145.3	1104.1	1081.2	1059.8
40°	1230.1	1141.9	1063.1	1007.8	976.5	960.0	946.7
42.5°	1104.6	1024.0	945.7	903.6	875.2	865.1	857.3
45°	931.2	856.3	802.0	770.1	753.6	736.6	728.6
47.5°	792.4	731.4	695.6	668.5	650.9	640.8	635.7
50°	713.7	663.7	631.8	611.1	595.1	587.1	582.9
52.5°	643.9	602.9	576.1	559.6	548.8	542.9	541.2
55°	554.7	523.3	506.3	492.0	484.0	478.7	476.5
57.5°	482.2	458.0	444.2	432.4	429.3	424.8	423.3
60°	434.5	415.9	404.2	396.2	393.6	388.2	389.3
62.5°	392.4	377.2	367.2	362.6	359.1	354.6	356.1
65°	331.9	320.7	315.4	311.1	306.9	304.2	306.3
67.5°	278.5	270.8	263.6	261.1	259.0	258.6	256.3
70°	243.6	237.2	230.8	229.2	229.2	227.1	226.6
72.5°	210.0	205.3	201.0	199.9	198.2	199.0	196.8
75°	162.2	158.5	156.9	155.3	154.8	154.8	153.2
77.5°	119.9	117.1	114.6	114.6	112.6	111.9	111.7
80°	90.9	89.9	87.8	87.8	86.7	87.2	86.2
82.5°	68.4	66.9	66.5	65.6	64.1	64.2	63.2
85°	36.7	35.1	34.6	33.0	31.9	33.0	31.9
87.5°	15.1	14.8	14.5	13.7	13.3	13.3	12.1
90°	11.8	12.4	12.8	13.0	13.2	13.4	13.6
92.5°	19.0	19.4	19.6	19.8	19.9	20.0	20.1
95°	35.3	35.6	35.8	35.8	35.8	35.8	35.8
97.5°	55.6	55.9	56.1	56.1	56.1	56.1	56.1
100°	69.9	70.1	70.2	70.2	70.2	70.2	70.2
102.5°	85.4	85.7	85.9	85.9	86.0	86.1	86.2
105°	108.8	109.1	109.4	109.7	110.0	110.3	110.6
107.5°	134.0	134.3	134.4	134.4	134.4	134.3	134.3
110°	150.3	150.1	150.1	150.4	150.7	151.0	151.3



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	168.5	168.5	168.5	168.6	168.6	168.7	168.7
115°	196.4	196.3	196.2	196.1	196.0	195.9	195.8
117.5°	222.9	222.6	222.3	222.1	221.9	221.7	221.5
120°	240.9	240.4	240.3	240.5	240.7	240.9	241.1
122.5°	259.5	259.2	258.8	258.5	258.1	257.7	257.4
125°	286.7	286.5	286.3	286.1	285.9	285.7	285.5
127.5°	312.5	312.3	312.1	312.0	311.8	311.7	311.5
130°	330.6	330.4	330.1	329.7	329.3	328.9	328.5
132.5°	347.7	347.5	347.3	347.1	347.0	346.8	346.7
135°	373.2	373.0	372.8	372.5	372.2	371.9	371.6
137.5°	397.9	397.6	397.5	397.6	397.6	397.7	397.8
140°	414.3	414.2	414.1	414.0	413.9	413.8	413.7
142.5°	429.8	429.8	429.7	429.7	429.7	429.7	429.7
145°	452.8	452.7	452.5	452.2	451.9	451.6	451.3
147.5°	473.8	473.8	473.7	473.6	473.5	473.4	473.3
150°	487.1	487.1	487.1	487.0	486.9	486.8	486.7
152.5°	499.8	500.1	500.0	499.8	499.5	499.3	499.0
155°	517.3	517.7	517.7	517.3	516.9	516.5	516.1
157.5°	532.5	532.8	532.8	532.5	532.1	531.8	531.4
160°	542.0	542.3	542.2	541.7	541.2	540.6	540.1
162.5°	550.7	551.2	551.2	550.7	550.2	549.7	549.2
165°	561.9	562.5	562.6	562.2	561.8	561.4	561.0
167.5°	571.3	571.9	571.9	571.3	570.7	570.0	569.4
170°	576.4	577.0	576.9	576.2	575.5	574.8	574.1
172.5°	580.3	580.9	580.9	580.2	579.5	578.8	578.1
175°	584.4	585.1	585.1	584.4	583.7	583.0	582.3
177.5°	586.5	587.1	587.0	586.4	585.8	585.1	584.5
180°	585.9	585.9	585.9	585.9	585.9	585.9	585.9

(END OF REPORT)