

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: P331964-840

Luminaire Tested: **S123DIP-S775D585U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331964-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIP-S775D585U840-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 585 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5659.8 lumens
Efficiency: N/A
Efficacy: 140.4 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: General Diffuse

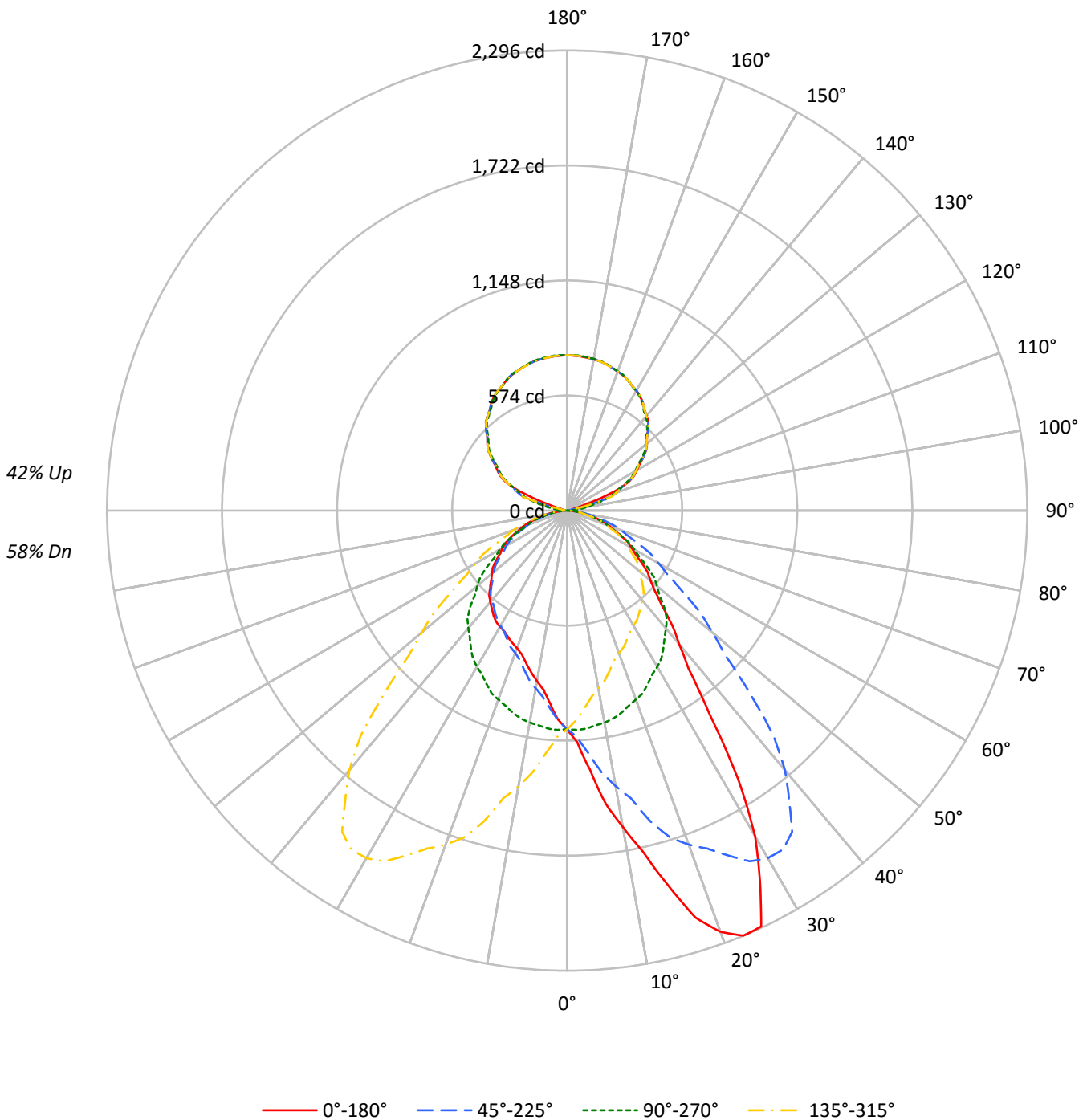
Input Watts (W): 40.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	109	109	109	109	102	102	102	102	88	88	88	75	75	75	64	64	64	58
1	100	96	92	88	93	89	86	83	78	75	73	67	65	63	57	56	54	50
2	91	84	78	73	85	79	73	69	68	64	61	59	56	53	50	48	46	42
3	83	74	67	61	78	69	63	58	61	56	52	52	49	46	45	42	40	36
4	76	66	58	52	71	62	55	49	54	48	44	47	43	39	40	37	34	31
5	70	59	51	45	65	55	48	42	48	43	38	42	38	34	36	33	30	27
6	65	53	45	39	60	50	42	37	44	38	33	38	34	30	33	29	27	24
7	60	48	40	34	56	45	38	33	40	34	30	35	30	27	30	27	24	21
8	56	43	36	30	52	41	34	29	36	30	26	32	27	24	28	24	21	19
9	52	40	32	27	48	37	31	26	33	28	24	29	25	21	26	22	19	17
10	49	36	29	24	45	34	28	23	31	25	21	27	23	19	24	20	17	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11746	11746	11746	11746
5°	14008	11797	10454	11797
10°	17533	11737	9441	11737
15°	21504	11642	8790	11642
20°	25616	11494	8369	11494
25°	27201	11315	8276	11315
30°	23313	11184	8319	11184
35°	16215	10997	8406	10997
40°	12213	10779	8379	10779
45°	10140	10455	8273	10455
50°	9083	9791	8199	9791
55°	8492	9077	8096	9077
60°	7967	8331	8013	8331
65°	7488	7595	7755	7595
70°	7021	6754	7386	6754
75°	6288	5914	6771	5914
80°	5511	4854	5833	4854
85°	4310	3532	3915	3532



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.5	1.9
10°-20°	344.7	6.1
20°-30°	578.5	10.2
30°-40°	655.0	11.6
40°-50°	587.4	10.4
50°-60°	474.0	8.4
60°-70°	330.3	5.8
70°-80°	173.6	3.1
80°-90°	44.6	0.8
90°-100°	28.2	0.5
100°-110°	134.3	2.4
110°-120°	322.7	5.7
120°-130°	410.9	7.3
130°-140°	439.0	7.8
140°-150°	410.5	7.3
150°-160°	331.2	5.9
160°-170°	213.7	3.8
170°-180°	73.7	1.3
0°-30°	1030.6	18.2
0°-40°	1685.7	29.8
0°-60°	2747.1	48.5
0°-90°	3295.6	58.2
90°-120°	485.2	8.6
90°-150°	1745.7	30.8
90°-180°	2364.0	41.8
0°-180°	5659.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1091	1091	1091	1091	1091	
5°	1296	1092	968	1092	1296	134
15°	1930	1045	789	1045	1930	557
25°	2290	953	697	953	2290	1004
35°	1234	837	640	837	1234	802
45°	666	687	544	687	666	527
55°	452	484	431	484	452	406
65°	294	298	304	298	294	293
75°	151	142	163	142	151	162
85°	35	29	32	29	35	42
90°	17	1	17	1	17	10
95°	22	35	22	35	22	18
105°	25	172	25	172	25	58
115°	339	322	339	322	339	313
125°	463	454	463	454	463	414
135°	571	565	571	565	571	440
145°	658	652	658	652	658	411
155°	717	718	717	718	717	331
165°	756	757	756	757	756	213
175°	772	775	772	775	772	74
180°	775	775	775	775	775	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2
2.5°	1158.0	1157.2	1155.1	1156.8	1153.4	1148.7	1148.3	1144.1	1131.8	1130.9	1127.6
5°	1296.4	1292.1	1291.6	1291.0	1283.6	1273.6	1254.6	1252.9	1227.6	1214.9	1199.6
7.5°	1475.4	1477.6	1470.0	1463.2	1440.6	1425.6	1405.2	1379.1	1348.0	1316.4	1295.3
10°	1604.1	1621.4	1599.8	1585.0	1571.2	1545.3	1515.2	1477.6	1440.2	1396.2	1362.9
12.5°	1741.9	1750.5	1746.2	1732.2	1710.8	1671.4	1618.0	1576.6	1542.1	1468.9	1439.5
15°	1929.7	1962.0	1941.4	1893.7	1894.8	1857.2	1787.5	1710.8	1670.1	1606.1	1518.9
17.5°	2129.7	2133.7	2125.0	2085.4	2058.9	2007.3	1942.9	1869.5	1787.0	1709.5	1617.0
20°	2236.3	2233.1	2214.6	2194.0	2148.6	2108.4	2038.1	1956.1	1850.4	1774.2	1673.2
22.5°	2295.5	2290.3	2281.5	2264.2	2226.3	2183.2	2120.1	2030.5	1930.0	1825.0	1708.4
25°	2290.3	2297.1	2298.1	2293.4	2280.2	2254.3	2204.6	2133.2	2032.8	1897.9	1776.4
27.5°	2083.0	2092.7	2121.0	2146.1	2174.0	2202.6	2198.8	2163.3	2089.0	1972.7	1823.9
30°	1875.7	1854.6	1906.9	1973.1	2018.0	2097.3	2141.7	2144.3	2102.5	2002.7	1857.7
32.5°	1588.1	1611.4	1634.6	1715.9	1814.1	1903.2	1991.6	2062.8	2070.8	2004.4	1877.6
35°	1234.0	1263.0	1305.4	1347.6	1453.4	1544.3	1699.7	1835.0	1942.9	1957.2	1879.5
37.5°	994.3	1008.8	1035.5	1077.8	1147.0	1254.9	1375.1	1546.2	1702.4	1818.7	1823.7
40°	869.2	873.4	903.5	935.7	991.8	1080.7	1189.0	1340.2	1527.3	1689.7	1757.4
42.5°	775.3	784.6	797.4	828.3	872.9	939.8	1040.6	1165.5	1337.1	1523.9	1656.3
45°	666.1	676.7	684.7	705.3	737.0	781.9	852.2	966.4	1097.0	1290.0	1468.1
47.5°	594.0	594.9	600.8	616.3	637.9	671.7	721.3	794.8	914.6	1071.1	1254.1
50°	542.4	550.9	553.0	565.1	582.1	606.9	648.1	710.5	808.9	946.3	1114.5
52.5°	506.0	508.6	514.5	523.3	538.1	557.4	593.2	642.1	719.2	836.4	991.0
55°	452.5	452.5	458.4	465.2	473.7	491.1	514.9	550.9	609.6	700.5	828.5
57.5°	403.0	405.7	409.8	411.9	419.1	430.7	450.5	477.9	521.6	591.6	693.3
60°	370.1	374.9	374.4	378.5	384.9	393.8	410.8	433.0	472.1	528.2	613.8
62.5°	341.3	341.0	340.9	346.0	352.3	360.9	371.8	391.1	424.3	474.0	546.9
65°	294.0	292.9	296.6	299.7	301.8	308.2	316.7	333.6	355.8	392.8	449.4
67.5°	251.9	248.8	250.9	251.9	255.5	260.4	268.3	278.8	296.5	326.2	368.8
70°	223.1	220.5	219.9	221.0	224.2	227.8	233.7	243.7	260.1	283.9	315.1
72.5°	193.5	191.7	191.6	193.9	195.4	197.8	202.0	211.2	224.2	242.1	271.1
75°	151.2	151.2	151.2	151.7	153.3	155.4	158.6	163.4	173.4	186.1	205.6
77.5°	113.3	113.2	112.6	112.5	114.8	115.8	116.5	121.0	126.5	135.1	149.4
80°	88.9	86.1	87.3	88.9	89.9	90.4	92.0	93.0	97.9	102.6	112.6
82.5°	65.9	63.7	63.9	66.4	66.7	67.2	68.8	70.2	72.0	76.3	81.7
85°	34.9	34.9	35.4	35.4	36.0	35.4	37.0	37.6	37.6	40.2	43.3
87.5°	16.2	15.2	15.7	16.0	15.6	15.9	16.2	16.5	16.9	17.2	17.3
90°	17.3	17.1	16.8	16.6	16.3	15.9	15.3	14.8	14.3	13.8	12.1
92.5°	19.1	19.0	18.8	18.7	18.5	18.0	17.2	16.4	15.6	14.7	13.5
95°	21.9	21.9	21.9	21.9	21.9	21.4	20.5	19.7	18.8	17.9	16.5
97.5°	23.7	23.6	23.4	23.3	23.2	22.6	21.6	20.6	19.6	18.6	27.8
100°	24.2	24.0	23.9	23.8	23.6	23.1	22.1	21.0	20.0	19.0	39.0
102.5°	24.6	24.4	24.2	23.9	23.7	25.2	28.4	31.5	34.7	37.9	59.7
105°	25.3	25.0	24.8	24.5	24.3	35.5	58.2	80.8	103.5	126.1	137.6
107.5°	79.6	96.6	113.7	130.8	147.9	164.7	181.4	197.9	214.6	231.2	229.3
110°	158.3	176.7	195.0	213.3	231.6	242.9	247.1	251.4	255.5	259.7	258.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	271.8	275.6	279.4	283.4	287.2	289.1	289.0	288.9	288.9	288.8	287.4
115°	338.7	338.2	337.7	337.1	336.6	335.8	334.5	333.2	331.9	330.6	329.4
117.5°	376.3	376.2	376.1	376.0	375.9	375.3	374.3	373.2	372.2	371.1	370.6
120°	402.0	402.0	402.0	402.0	402.0	401.5	400.5	399.5	398.5	397.4	397.1
122.5°	427.4	427.3	427.2	427.1	427.0	426.6	425.9	425.2	424.4	423.7	423.2
125°	463.1	462.8	462.6	462.3	462.1	461.8	461.5	461.3	461.0	460.8	460.3
127.5°	497.5	497.7	498.0	498.2	498.5	498.4	498.0	497.6	497.2	496.8	496.1
130°	519.6	519.8	520.1	520.3	520.6	520.4	519.9	519.4	518.9	518.4	517.9
132.5°	539.8	540.2	540.5	540.9	541.3	541.2	540.7	540.2	539.7	539.2	538.7
135°	570.8	571.2	571.6	572.0	572.3	572.3	572.0	571.6	571.2	570.8	570.3
137.5°	600.0	600.2	600.5	600.7	601.0	600.8	600.2	599.6	599.0	598.3	598.0
140°	617.4	617.7	617.9	618.2	618.4	618.3	617.8	617.3	616.8	616.3	615.9
142.5°	633.6	633.9	634.3	634.7	635.0	635.0	634.6	634.2	633.8	633.4	633.0
145°	658.3	658.3	658.3	658.3	658.3	658.2	657.9	657.7	657.4	657.2	656.9
147.5°	676.8	677.4	677.9	678.5	679.1	679.3	679.0	678.8	678.5	678.3	678.0
150°	690.6	690.9	691.4	691.8	692.2	692.2	692.0	691.7	691.5	691.2	690.9
152.5°	701.7	702.3	702.9	703.5	704.0	704.1	703.6	703.2	702.7	702.3	702.1
155°	717.1	717.9	718.6	719.4	720.1	720.2	719.6	718.9	718.3	717.7	717.5
157.5°	730.1	731.1	732.2	733.1	734.1	734.3	733.5	732.7	732.0	731.1	731.2
160°	738.4	739.3	740.2	741.1	741.9	742.0	741.2	740.5	739.7	739.0	739.1
162.5°	746.3	747.0	747.8	748.6	749.4	749.4	748.5	747.6	746.8	745.9	746.0
165°	755.7	756.6	757.5	758.4	759.3	759.2	758.2	757.2	756.2	755.1	755.3
167.5°	762.4	763.6	764.6	765.6	766.6	766.6	765.6	764.6	763.6	762.4	762.4
170°	766.6	767.7	768.7	769.7	770.7	770.7	769.7	768.7	767.7	766.6	766.6
172.5°	768.9	770.0	771.2	772.3	773.5	773.5	772.4	771.4	770.4	769.4	769.3
175°	772.3	773.5	774.5	775.5	776.5	776.6	775.7	774.8	773.9	773.0	772.8
177.5°	773.5	774.5	775.5	776.5	777.5	777.6	776.8	776.0	775.2	774.4	774.3
180°	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2
2.5°	1125.0	1121.7	1118.2	1112.4	1107.3	1100.0	1097.9	1095.4	1087.8	1081.1	1076.0
5°	1193.8	1181.0	1162.6	1145.7	1132.0	1113.4	1102.9	1091.8	1075.9	1061.6	1050.0
7.5°	1265.7	1240.7	1211.9	1180.8	1151.9	1124.0	1101.5	1081.4	1059.1	1038.1	1021.8
10°	1322.7	1286.8	1246.7	1203.3	1166.3	1130.3	1100.1	1073.8	1045.2	1020.4	999.8
12.5°	1387.9	1334.6	1279.2	1226.6	1182.8	1132.9	1096.4	1062.8	1030.4	1000.5	977.3
15°	1465.0	1397.4	1331.7	1259.3	1192.8	1130.3	1087.0	1044.7	1007.1	976.4	946.8
17.5°	1535.2	1458.5	1372.1	1284.0	1203.7	1129.7	1069.0	1021.2	974.2	936.8	907.3
20°	1575.0	1487.7	1389.9	1298.5	1209.6	1127.1	1060.6	1003.4	952.7	913.0	879.7
22.5°	1609.2	1507.1	1405.9	1308.2	1209.2	1120.3	1044.9	986.1	931.1	892.3	856.9
25°	1644.8	1522.6	1421.1	1306.4	1195.9	1103.9	1019.3	952.7	897.7	852.2	815.8
27.5°	1675.2	1521.6	1401.1	1277.7	1175.0	1082.8	992.4	921.0	862.6	813.2	776.2
30°	1695.5	1523.7	1380.4	1258.3	1154.7	1059.4	971.7	899.8	838.5	788.3	753.4
32.5°	1708.2	1522.4	1361.4	1231.2	1122.5	1038.3	949.3	874.8	811.8	762.4	728.8
35°	1715.6	1513.1	1328.6	1175.3	1070.6	988.7	914.1	836.9	770.8	724.8	686.8
37.5°	1700.8	1493.5	1290.5	1121.4	1006.7	926.0	863.3	797.6	734.4	683.7	651.0
40°	1677.5	1480.9	1260.9	1083.3	962.7	885.0	831.6	767.1	704.7	656.6	625.9
42.5°	1633.1	1455.0	1228.3	1041.0	917.1	839.3	790.2	736.3	677.2	632.1	601.5
45°	1524.7	1398.9	1179.5	977.5	849.6	769.2	725.9	686.8	633.4	589.5	563.0
47.5°	1374.3	1314.4	1108.8	910.6	779.2	701.9	656.8	625.3	586.3	550.9	525.5
50°	1269.9	1245.1	1061.1	864.9	732.3	656.6	613.3	584.7	556.7	521.3	498.1
52.5°	1149.3	1164.7	1005.2	817.6	684.4	610.1	569.3	546.6	521.2	492.1	471.8
55°	979.7	1035.1	908.8	738.0	613.3	542.4	503.8	483.7	469.0	447.3	429.8
57.5°	820.7	891.4	804.6	656.1	543.4	482.3	445.2	423.3	413.8	402.5	388.8
60°	726.4	796.2	730.1	601.1	496.4	438.3	405.5	387.0	377.5	369.5	357.9
62.5°	642.3	712.9	657.3	545.3	450.3	396.4	367.9	349.8	342.3	338.2	328.3
65°	526.5	587.3	550.4	458.4	384.4	336.8	310.8	298.2	291.3	289.7	283.4
67.5°	428.6	474.8	447.9	380.2	321.9	280.8	258.8	248.0	242.8	242.3	237.5
70°	364.3	407.6	387.0	325.7	275.5	243.2	224.2	214.6	211.5	211.0	208.3
72.5°	314.4	344.6	328.2	277.0	238.2	208.9	195.0	185.0	181.5	182.2	180.4
75°	232.6	255.4	245.8	210.5	179.3	160.2	148.6	142.2	139.1	140.7	138.6
77.5°	167.3	181.8	173.2	148.7	129.5	115.6	107.1	103.2	100.4	100.3	99.3
80°	126.3	134.8	130.1	115.2	99.4	87.8	80.9	78.3	76.6	76.1	75.6
82.5°	90.0	97.1	91.6	81.4	70.6	63.6	59.8	56.2	55.1	55.4	54.8
85°	45.4	48.1	45.9	39.7	35.4	32.2	30.1	28.6	27.5	28.0	27.0
87.5°	17.8	17.9	16.3	14.2	13.1	11.6	11.4	10.3	9.7	9.9	9.8
90°	10.5	8.8	7.2	5.7	4.4	3.1	1.8	0.6	1.8	3.1	4.4
92.5°	12.2	11.0	9.7	9.3	9.6	10.0	10.4	10.7	10.4	10.0	9.6
95°	15.0	13.6	12.2	14.1	19.4	24.6	29.9	35.1	29.9	24.6	19.4
97.5°	37.0	46.2	55.4	61.2	63.5	65.9	68.3	70.6	68.3	65.9	63.5
100°	59.0	78.9	98.9	107.6	105.0	102.5	99.9	97.4	99.9	102.5	105.0
102.5°	81.5	103.3	125.1	135.1	133.3	131.5	129.6	127.7	129.6	131.5	133.3
105°	149.2	160.7	172.2	177.2	175.8	174.5	173.1	171.7	173.1	174.5	175.8
107.5°	227.5	225.7	223.9	222.5	221.4	220.3	219.0	217.9	219.0	220.3	221.4
110°	256.9	255.5	254.2	252.9	251.9	250.9	249.8	248.8	249.8	250.9	251.9



TEST NUMBER: P331964-840

CATALOG NUMBER: S123DIP-S775D585U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	286.0	284.6	283.2	282.0	281.0	280.1	279.2	278.3	279.2	280.1	281.0
115°	328.3	327.2	326.0	325.1	324.3	323.5	322.8	321.9	322.8	323.5	324.3
117.5°	370.0	369.4	368.8	368.0	367.1	366.2	365.2	364.3	365.2	366.2	367.1
120°	396.7	396.3	395.9	395.2	393.9	392.8	391.6	390.5	391.6	392.8	393.9
122.5°	422.7	422.2	421.7	421.0	420.1	419.1	418.2	417.3	418.2	419.1	420.1
125°	459.8	459.3	458.8	458.0	457.0	456.0	454.9	453.8	454.9	456.0	457.0
127.5°	495.5	494.8	494.2	493.4	492.4	491.4	490.4	489.4	490.4	491.4	492.4
130°	517.4	516.8	516.3	515.5	514.5	513.5	512.5	511.5	512.5	513.5	514.5
132.5°	538.3	537.9	537.5	536.7	535.7	534.7	533.7	532.7	533.7	534.7	535.7
135°	569.8	569.3	568.8	568.2	567.3	566.5	565.8	565.0	565.8	566.5	567.3
137.5°	597.7	597.4	597.2	596.5	595.6	594.6	593.7	592.7	593.7	594.6	595.6
140°	615.5	615.1	614.8	614.2	613.4	612.7	611.9	611.1	611.9	612.7	613.4
142.5°	632.6	632.2	631.8	631.3	630.5	629.8	628.9	628.1	628.9	629.8	630.5
145°	656.7	656.4	656.2	655.6	654.7	653.8	652.9	652.0	652.9	653.8	654.7
147.5°	677.7	677.5	677.2	676.8	676.2	675.7	675.1	674.5	675.1	675.7	676.2
150°	690.6	690.4	690.1	689.8	689.4	689.0	688.7	688.3	688.7	689.0	689.4
152.5°	702.0	701.8	701.7	701.5	701.3	701.0	700.9	700.7	700.9	701.0	701.3
155°	717.4	717.3	717.2	717.2	717.5	717.7	718.0	718.2	718.0	717.7	717.5
157.5°	731.4	731.5	731.6	731.7	731.7	731.7	731.8	731.8	731.8	731.7	731.7
160°	739.2	739.3	739.5	739.6	739.7	739.9	740.0	740.1	740.0	739.9	739.7
162.5°	746.2	746.3	746.4	746.6	747.0	747.3	747.6	748.0	747.6	747.3	747.0
165°	755.4	755.5	755.6	755.9	756.3	756.7	757.0	757.4	757.0	756.7	756.3
167.5°	762.4	762.4	762.4	762.8	763.3	763.8	764.3	764.8	764.3	763.8	763.3
170°	766.6	766.6	766.6	766.9	767.4	767.9	768.4	768.9	768.4	767.9	767.4
172.5°	769.2	769.1	769.0	769.2	769.8	770.4	771.1	771.7	771.1	770.4	769.8
175°	772.7	772.5	772.4	772.7	773.4	774.0	774.7	775.3	774.7	774.0	773.4
177.5°	774.2	774.1	774.0	774.2	774.7	775.2	775.7	776.2	775.7	775.2	774.7
180°	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3



TEST NUMBER: P331964-840

CATALOG NUMBER: S123DIP-S775D585U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2
2.5°	1073.0	1070.1	1065.8	1059.4	1054.4	1046.3	1046.3	1047.6	1047.6	1047.2	1046.3
5°	1040.5	1032.5	1023.0	1011.9	1000.3	988.7	986.5	982.3	979.2	977.0	974.3
7.5°	1006.1	992.0	978.2	962.6	948.5	936.8	928.6	921.8	917.5	912.8	909.5
10°	982.8	965.3	949.0	932.6	914.6	900.4	891.4	885.0	880.3	876.1	873.9
12.5°	955.3	935.3	917.3	901.7	882.0	867.4	858.8	855.9	850.2	841.3	836.7
15°	915.1	896.7	874.9	851.2	841.6	823.6	813.6	808.9	805.7	798.8	796.7
17.5°	880.8	856.6	832.2	814.5	796.8	782.2	776.6	770.7	766.5	760.8	759.2
20°	853.3	831.6	809.4	790.4	771.8	756.0	751.2	747.0	742.8	740.1	738.0
22.5°	825.4	803.8	785.3	767.5	747.8	737.4	732.3	727.6	724.6	722.9	720.7
25°	786.2	767.1	746.5	730.6	714.8	707.9	704.7	702.1	699.9	697.3	696.8
27.5°	751.0	730.3	713.6	698.8	687.4	681.7	678.6	677.3	677.8	678.7	679.3
30°	724.8	705.8	692.1	679.3	668.8	663.5	663.0	663.0	665.1	665.6	666.7
32.5°	700.7	685.1	671.4	659.0	651.1	647.4	649.4	649.4	651.2	652.5	654.4
35°	665.6	651.9	641.3	630.8	623.9	625.4	626.5	627.5	630.2	633.4	635.5
37.5°	632.1	620.2	609.2	600.9	597.7	600.6	603.1	605.3	608.4	610.9	613.0
40°	607.9	599.0	588.4	581.0	582.1	583.7	585.8	588.4	591.1	592.7	594.8
42.5°	585.5	576.1	568.2	562.0	563.5	565.5	566.7	568.2	571.2	574.0	575.3
45°	551.4	544.0	536.6	532.9	534.0	535.0	536.0	537.7	540.3	542.4	543.0
47.5°	513.0	507.9	502.9	499.3	501.0	500.6	501.9	505.3	506.1	507.5	510.4
50°	488.5	483.7	478.0	476.9	476.9	476.9	477.4	481.6	481.6	483.7	485.8
52.5°	461.4	458.4	454.6	452.7	451.9	451.9	454.1	456.3	457.1	460.1	462.2
55°	421.3	418.2	415.1	413.4	412.3	413.4	417.7	418.7	421.3	422.9	424.5
57.5°	379.6	377.2	374.7	373.8	373.5	375.0	377.3	380.4	381.1	386.0	388.4
60°	352.1	348.4	346.3	346.3	345.3	350.0	348.9	354.3	355.3	358.4	362.1
62.5°	323.8	318.8	317.9	317.9	319.4	320.8	322.2	324.6	327.4	331.3	334.3
65°	278.1	275.5	279.1	278.6	277.5	280.7	280.7	283.4	286.5	290.2	296.1
67.5°	234.8	233.5	233.8	233.8	235.4	237.2	238.6	241.0	244.8	248.7	252.5
70°	205.6	207.2	204.6	206.7	208.3	208.8	209.8	213.1	217.3	219.9	224.2
72.5°	177.3	177.2	177.5	178.3	180.0	180.9	182.0	185.6	190.3	192.5	195.8
75°	136.4	135.8	137.4	137.4	140.1	141.2	142.2	143.8	148.0	151.2	153.8
77.5°	99.6	100.3	99.9	101.7	101.0	101.2	104.4	106.0	106.4	112.7	114.1
80°	75.0	76.1	76.6	77.2	77.8	76.6	80.4	81.9	81.9	85.6	88.3
82.5°	53.9	54.5	55.9	56.5	56.6	57.7	58.0	59.1	60.4	62.0	65.4
85°	27.0	28.6	29.1	28.6	29.1	28.0	29.6	30.1	30.7	30.7	30.7
87.5°	9.6	10.3	10.2	11.0	10.9	11.6	11.7	11.0	11.1	12.5	10.9
90°	5.7	7.2	8.8	10.5	12.1	13.8	14.3	14.8	15.3	15.9	16.3
92.5°	9.3	9.7	11.0	12.2	13.5	14.7	15.6	16.4	17.2	18.0	18.5
95°	14.1	12.2	13.6	15.0	16.5	17.9	18.8	19.7	20.5	21.4	21.9
97.5°	61.2	55.4	46.2	37.0	27.8	18.6	19.6	20.6	21.6	22.6	23.2
100°	107.6	98.9	78.9	59.0	39.0	19.0	20.0	21.0	22.1	23.1	23.6
102.5°	135.1	125.1	103.3	81.5	59.7	37.9	34.7	31.5	28.4	25.2	23.7
105°	177.2	172.2	160.7	149.2	137.6	126.1	103.5	80.8	58.2	35.5	24.3
107.5°	222.5	223.9	225.7	227.5	229.3	231.2	214.6	197.9	181.4	164.7	147.9
110°	252.9	254.2	255.5	256.9	258.3	259.7	255.5	251.4	247.1	242.9	231.6



TEST NUMBER: P331964-840

CATALOG NUMBER: S123DIP-S775D585U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	282.0	283.2	284.6	286.0	287.4	288.8	288.9	288.9	289.0	289.1	287.2
115°	325.1	326.0	327.2	328.3	329.4	330.6	331.9	333.2	334.5	335.8	336.6
117.5°	368.0	368.8	369.4	370.0	370.6	371.1	372.2	373.2	374.3	375.3	375.9
120°	395.2	395.9	396.3	396.7	397.1	397.4	398.5	399.5	400.5	401.5	402.0
122.5°	421.0	421.7	422.2	422.7	423.2	423.7	424.4	425.2	425.9	426.6	427.0
125°	458.0	458.8	459.3	459.8	460.3	460.8	461.0	461.3	461.5	461.8	462.1
127.5°	493.4	494.2	494.8	495.5	496.1	496.8	497.2	497.6	498.0	498.4	498.5
130°	515.5	516.3	516.8	517.4	517.9	518.4	518.9	519.4	519.9	520.4	520.6
132.5°	536.7	537.5	537.9	538.3	538.7	539.2	539.7	540.2	540.7	541.2	541.3
135°	568.2	568.8	569.3	569.8	570.3	570.8	571.2	571.6	572.0	572.3	572.3
137.5°	596.5	597.2	597.4	597.7	598.0	598.3	599.0	599.6	600.2	600.8	601.0
140°	614.2	614.8	615.1	615.5	615.9	616.3	616.8	617.3	617.8	618.3	618.4
142.5°	631.3	631.8	632.2	632.6	633.0	633.4	633.8	634.2	634.6	635.0	635.0
145°	655.6	656.2	656.4	656.7	656.9	657.2	657.4	657.7	657.9	658.2	658.3
147.5°	676.8	677.2	677.5	677.7	678.0	678.3	678.5	678.8	679.0	679.3	679.1
150°	689.8	690.1	690.4	690.6	690.9	691.2	691.5	691.7	692.0	692.2	692.2
152.5°	701.5	701.7	701.8	702.0	702.1	702.3	702.7	703.2	703.6	704.1	704.0
155°	717.2	717.2	717.3	717.4	717.5	717.7	718.3	718.9	719.6	720.2	720.1
157.5°	731.7	731.6	731.5	731.4	731.2	731.1	732.0	732.7	733.5	734.3	734.1
160°	739.6	739.5	739.3	739.2	739.1	739.0	739.7	740.5	741.2	742.0	741.9
162.5°	746.6	746.4	746.3	746.2	746.0	745.9	746.8	747.6	748.5	749.4	749.4
165°	755.9	755.6	755.5	755.4	755.3	755.1	756.2	757.2	758.2	759.2	759.3
167.5°	762.8	762.4	762.4	762.4	762.4	762.4	763.6	764.6	765.6	766.6	766.6
170°	766.9	766.6	766.6	766.6	766.6	766.6	767.7	768.7	769.7	770.7	770.7
172.5°	769.2	769.0	769.1	769.2	769.3	769.4	770.4	771.4	772.4	773.5	773.5
175°	772.7	772.4	772.5	772.7	772.8	773.0	773.9	774.8	775.7	776.6	776.5
177.5°	774.2	774.0	774.1	774.2	774.3	774.4	775.2	776.0	776.8	777.6	777.5
180°	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3



TEST NUMBER: P331964-840

CATALOG NUMBER: S123DIP-S775D585U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2
2.5°	1043.4	1043.0	1045.9	1043.8	1045.9	1043.0	1043.4	1046.3	1047.2	1047.6	1047.6
5°	971.2	972.8	967.5	967.5	967.5	972.8	971.2	974.3	977.0	979.2	982.3
7.5°	906.9	904.5	904.7	901.9	904.7	904.5	906.9	909.5	912.8	917.5	921.8
10°	867.6	864.4	863.3	863.8	863.3	864.4	867.6	873.9	876.1	880.3	885.0
12.5°	835.0	834.4	827.4	827.5	827.4	834.4	835.0	836.7	841.3	850.2	855.9
15°	796.7	786.7	785.6	788.8	785.6	786.7	796.7	796.7	798.8	805.7	808.9
17.5°	758.3	753.1	753.4	751.7	753.4	753.1	758.3	759.2	760.8	766.5	770.7
20°	738.0	734.9	734.4	730.6	734.4	734.9	738.0	738.0	740.1	742.8	747.0
22.5°	719.4	718.4	718.7	714.6	718.7	718.4	719.4	720.7	722.9	724.6	727.6
25°	696.3	698.9	696.8	696.8	696.8	698.9	696.3	696.8	697.3	699.9	702.1
27.5°	680.6	680.5	679.4	679.4	679.4	680.5	680.6	679.3	678.7	677.8	677.3
30°	668.8	668.2	669.3	669.3	669.3	668.2	668.8	666.7	665.6	665.1	663.0
32.5°	656.9	657.7	657.9	658.3	657.9	657.7	656.9	654.4	652.5	651.2	649.4
35°	638.6	639.1	640.8	639.7	640.8	639.1	638.6	635.5	633.4	630.2	627.5
37.5°	613.9	616.3	615.8	616.6	615.8	616.3	613.9	613.0	610.9	608.4	605.3
40°	595.3	596.9	596.3	596.3	596.3	596.9	595.3	594.8	592.7	591.1	588.4
42.5°	576.2	577.4	576.0	575.2	576.0	577.4	576.2	575.3	574.0	571.2	568.2
45°	545.0	544.0	545.6	543.5	545.6	544.0	545.0	543.0	542.4	540.3	537.7
47.5°	510.2	511.2	511.7	513.2	511.7	511.2	510.2	510.4	507.5	506.1	505.3
50°	487.0	490.1	490.1	489.6	490.1	490.1	487.0	485.8	483.7	481.6	481.6
52.5°	464.0	465.5	467.7	467.6	467.7	465.5	464.0	462.2	460.1	457.1	456.3
55°	428.8	429.8	430.9	431.4	430.9	429.8	428.8	424.5	422.9	421.3	418.7
57.5°	392.1	391.7	394.3	395.1	394.3	391.7	392.1	388.4	386.0	381.1	380.4
60°	366.4	366.4	370.6	372.2	370.6	366.4	366.4	362.1	358.4	355.3	354.3
62.5°	338.9	340.6	344.8	342.5	344.8	340.6	338.9	334.3	331.3	327.4	324.6
65°	298.7	303.0	302.5	304.5	302.5	303.0	298.7	296.1	290.2	286.5	283.4
67.5°	256.7	259.3	263.2	263.5	263.2	259.3	256.7	252.5	248.7	244.8	241.0
70°	228.4	231.1	233.2	234.7	233.2	231.1	228.4	224.2	219.9	217.3	213.1
72.5°	200.9	202.3	207.3	205.1	207.3	202.3	200.9	195.8	192.5	190.3	185.6
75°	157.5	161.3	164.4	162.8	164.4	161.3	157.5	153.8	151.2	148.0	143.8
77.5°	116.5	120.2	121.7	120.4	121.7	120.2	116.5	114.1	112.7	106.4	106.0
80°	92.0	91.5	94.6	94.1	94.6	91.5	92.0	88.3	85.6	81.9	81.9
82.5°	67.5	67.0	68.4	68.8	68.4	67.0	67.5	65.4	62.0	60.4	59.1
85°	32.8	34.3	32.2	31.7	32.2	34.3	32.8	30.7	30.7	30.7	30.1
87.5°	10.9	11.0	10.6	10.2	10.6	11.0	10.9	10.9	12.5	11.1	11.0
90°	16.6	16.8	17.1	17.3	17.1	16.8	16.6	16.3	15.9	15.3	14.8
92.5°	18.7	18.8	19.0	19.1	19.0	18.8	18.7	18.5	18.0	17.2	16.4
95°	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.4	20.5	19.7
97.5°	23.3	23.4	23.6	23.7	23.6	23.4	23.3	23.2	22.6	21.6	20.6
100°	23.8	23.9	24.0	24.2	24.0	23.9	23.8	23.6	23.1	22.1	21.0
102.5°	23.9	24.2	24.4	24.6	24.4	24.2	23.9	23.7	25.2	28.4	31.5
105°	24.5	24.8	25.0	25.3	25.0	24.8	24.5	24.3	35.5	58.2	80.8
107.5°	130.8	113.7	96.6	79.6	96.6	113.7	130.8	147.9	164.7	181.4	197.9
110°	213.3	195.0	176.7	158.3	176.7	195.0	213.3	231.6	242.9	247.1	251.4



TEST NUMBER: P331964-840

CATALOG NUMBER: S123DIP-S775D585U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	283.4	279.4	275.6	271.8	275.6	279.4	283.4	287.2	289.1	289.0	288.9
115°	337.1	337.7	338.2	338.7	338.2	337.7	337.1	336.6	335.8	334.5	333.2
117.5°	376.0	376.1	376.2	376.3	376.2	376.1	376.0	375.9	375.3	374.3	373.2
120°	402.0	402.0	402.0	402.0	402.0	402.0	402.0	402.0	401.5	400.5	399.5
122.5°	427.1	427.2	427.3	427.4	427.3	427.2	427.1	427.0	426.6	425.9	425.2
125°	462.3	462.6	462.8	463.1	462.8	462.6	462.3	462.1	461.8	461.5	461.3
127.5°	498.2	498.0	497.7	497.5	497.7	498.0	498.2	498.5	498.4	498.0	497.6
130°	520.3	520.1	519.8	519.6	519.8	520.1	520.3	520.6	520.4	519.9	519.4
132.5°	540.9	540.5	540.2	539.8	540.2	540.5	540.9	541.3	541.2	540.7	540.2
135°	572.0	571.6	571.2	570.8	571.2	571.6	572.0	572.3	572.3	572.0	571.6
137.5°	600.7	600.5	600.2	600.0	600.2	600.5	600.7	601.0	600.8	600.2	599.6
140°	618.2	617.9	617.7	617.4	617.7	617.9	618.2	618.4	618.3	617.8	617.3
142.5°	634.7	634.3	633.9	633.6	633.9	634.3	634.7	635.0	635.0	634.6	634.2
145°	658.3	658.3	658.3	658.3	658.3	658.3	658.3	658.3	658.2	657.9	657.7
147.5°	678.5	677.9	677.4	676.8	677.4	677.9	678.5	679.1	679.3	679.0	678.8
150°	691.8	691.4	690.9	690.6	690.9	691.4	691.8	692.2	692.2	692.0	691.7
152.5°	703.5	702.9	702.3	701.7	702.3	702.9	703.5	704.0	704.1	703.6	703.2
155°	719.4	718.6	717.9	717.1	717.9	718.6	719.4	720.1	720.2	719.6	718.9
157.5°	733.1	732.2	731.1	730.1	731.1	732.2	733.1	734.1	734.3	733.5	732.7
160°	741.1	740.2	739.3	738.4	739.3	740.2	741.1	741.9	742.0	741.2	740.5
162.5°	748.6	747.8	747.0	746.3	747.0	747.8	748.6	749.4	749.4	748.5	747.6
165°	758.4	757.5	756.6	755.7	756.6	757.5	758.4	759.3	759.2	758.2	757.2
167.5°	765.6	764.6	763.6	762.4	763.6	764.6	765.6	766.6	766.6	765.6	764.6
170°	769.7	768.7	767.7	766.6	767.7	768.7	769.7	770.7	770.7	769.7	768.7
172.5°	772.3	771.2	770.0	768.9	770.0	771.2	772.3	773.5	773.5	772.4	771.4
175°	775.5	774.5	773.5	772.3	773.5	774.5	775.5	776.5	776.6	775.7	774.8
177.5°	776.5	775.5	774.5	773.5	774.5	775.5	776.5	777.5	777.6	776.8	776.0
180°	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3



TEST NUMBER: P331964-840

CATALOG NUMBER: S123DIP-S775D585U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2
2.5°	1046.3	1046.3	1054.4	1059.4	1065.8	1070.1	1073.0	1076.0	1081.1	1087.8	1095.4
5°	986.5	988.7	1000.3	1011.9	1023.0	1032.5	1040.5	1050.0	1061.6	1075.9	1091.8
7.5°	928.6	936.8	948.5	962.6	978.2	992.0	1006.1	1021.8	1038.1	1059.1	1081.4
10°	891.4	900.4	914.6	932.6	949.0	965.3	982.8	999.8	1020.4	1045.2	1073.8
12.5°	858.8	867.4	882.0	901.7	917.3	935.3	955.3	977.3	1000.5	1030.4	1062.8
15°	813.6	823.6	841.6	851.2	874.9	896.7	915.1	946.8	976.4	1007.1	1044.7
17.5°	776.6	782.2	796.8	814.5	832.2	856.6	880.8	907.3	936.8	974.2	1021.2
20°	751.2	756.0	771.8	790.4	809.4	831.6	853.3	879.7	913.0	952.7	1003.4
22.5°	732.3	737.4	747.8	767.5	785.3	803.8	825.4	856.9	892.3	931.1	986.1
25°	704.7	707.9	714.8	730.6	746.5	767.1	786.2	815.8	852.2	897.7	952.7
27.5°	678.6	681.7	687.4	698.8	713.6	730.3	751.0	776.2	813.2	862.6	921.0
30°	663.0	663.5	668.8	679.3	692.1	705.8	724.8	753.4	788.3	838.5	899.8
32.5°	649.4	647.4	651.1	659.0	671.4	685.1	700.7	728.8	762.4	811.8	874.8
35°	626.5	625.4	623.9	630.8	641.3	651.9	665.6	686.8	724.8	770.8	836.9
37.5°	603.1	600.6	597.7	600.9	609.2	620.2	632.1	651.0	683.7	734.4	797.6
40°	585.8	583.7	582.1	581.0	588.4	599.0	607.9	625.9	656.6	704.7	767.1
42.5°	566.7	565.5	563.5	562.0	568.2	576.1	585.5	601.5	632.1	677.2	736.3
45°	536.0	535.0	534.0	532.9	536.6	544.0	551.4	563.0	589.5	633.4	686.8
47.5°	501.9	500.6	501.0	499.3	502.9	507.9	513.0	525.5	550.9	586.3	625.3
50°	477.4	476.9	476.9	476.9	478.0	483.7	488.5	498.1	521.3	556.7	584.7
52.5°	454.1	451.9	451.9	452.7	454.6	458.4	461.4	471.8	492.1	521.2	546.6
55°	417.7	413.4	412.3	413.4	415.1	418.2	421.3	429.8	447.3	469.0	483.7
57.5°	377.3	375.0	373.5	373.8	374.7	377.2	379.6	388.8	402.5	413.8	423.3
60°	348.9	350.0	345.3	346.3	346.3	348.4	352.1	357.9	369.5	377.5	387.0
62.5°	322.2	320.8	319.4	317.9	317.9	318.8	323.8	328.3	338.2	342.3	349.8
65°	280.7	280.7	277.5	278.6	279.1	275.5	278.1	283.4	289.7	291.3	298.2
67.5°	238.6	237.2	235.4	233.8	233.8	233.5	234.8	237.5	242.3	242.8	248.0
70°	209.8	208.8	208.3	206.7	204.6	207.2	205.6	208.3	211.0	211.5	214.6
72.5°	182.0	180.9	180.0	178.3	177.5	177.2	177.3	180.4	182.2	181.5	185.0
75°	142.2	141.2	140.1	137.4	137.4	135.8	136.4	138.6	140.7	139.1	142.2
77.5°	104.4	101.2	101.0	101.7	99.9	100.3	99.6	99.3	100.3	100.4	103.2
80°	80.4	76.6	77.8	77.2	76.6	76.1	75.0	75.6	76.1	76.6	78.3
82.5°	58.0	57.7	56.6	56.5	55.9	54.5	53.9	54.8	55.4	55.1	56.2
85°	29.6	28.0	29.1	28.6	29.1	28.6	27.0	27.0	28.0	27.5	28.6
87.5°	11.7	11.6	10.9	11.0	10.2	10.3	9.6	9.8	9.9	9.7	10.3
90°	14.3	13.8	12.1	10.5	8.8	7.2	5.7	4.4	3.1	1.8	0.6
92.5°	15.6	14.7	13.5	12.2	11.0	9.7	9.3	9.6	10.0	10.4	10.7
95°	18.8	17.9	16.5	15.0	13.6	12.2	14.1	19.4	24.6	29.9	35.1
97.5°	19.6	18.6	27.8	37.0	46.2	55.4	61.2	63.5	65.9	68.3	70.6
100°	20.0	19.0	39.0	59.0	78.9	98.9	107.6	105.0	102.5	99.9	97.4
102.5°	34.7	37.9	59.7	81.5	103.3	125.1	135.1	133.3	131.5	129.6	127.7
105°	103.5	126.1	137.6	149.2	160.7	172.2	177.2	175.8	174.5	173.1	171.7
107.5°	214.6	231.2	229.3	227.5	225.7	223.9	222.5	221.4	220.3	219.0	217.9
110°	255.5	259.7	258.3	256.9	255.5	254.2	252.9	251.9	250.9	249.8	248.8



TEST NUMBER: P331964-840

CATALOG NUMBER: S123DIP-S775D585U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	288.9	288.8	287.4	286.0	284.6	283.2	282.0	281.0	280.1	279.2	278.3
115°	331.9	330.6	329.4	328.3	327.2	326.0	325.1	324.3	323.5	322.8	321.9
117.5°	372.2	371.1	370.6	370.0	369.4	368.8	368.0	367.1	366.2	365.2	364.3
120°	398.5	397.4	397.1	396.7	396.3	395.9	395.2	393.9	392.8	391.6	390.5
122.5°	424.4	423.7	423.2	422.7	422.2	421.7	421.0	420.1	419.1	418.2	417.3
125°	461.0	460.8	460.3	459.8	459.3	458.8	458.0	457.0	456.0	454.9	453.8
127.5°	497.2	496.8	496.1	495.5	494.8	494.2	493.4	492.4	491.4	490.4	489.4
130°	518.9	518.4	517.9	517.4	516.8	516.3	515.5	514.5	513.5	512.5	511.5
132.5°	539.7	539.2	538.7	538.3	537.9	537.5	536.7	535.7	534.7	533.7	532.7
135°	571.2	570.8	570.3	569.8	569.3	568.8	568.2	567.3	566.5	565.8	565.0
137.5°	599.0	598.3	598.0	597.7	597.4	597.2	596.5	595.6	594.6	593.7	592.7
140°	616.8	616.3	615.9	615.5	615.1	614.8	614.2	613.4	612.7	611.9	611.1
142.5°	633.8	633.4	633.0	632.6	632.2	631.8	631.3	630.5	629.8	628.9	628.1
145°	657.4	657.2	656.9	656.7	656.4	656.2	655.6	654.7	653.8	652.9	652.0
147.5°	678.5	678.3	678.0	677.7	677.5	677.2	676.8	676.2	675.7	675.1	674.5
150°	691.5	691.2	690.9	690.6	690.4	690.1	689.8	689.4	689.0	688.7	688.3
152.5°	702.7	702.3	702.1	702.0	701.8	701.7	701.5	701.3	701.0	700.9	700.7
155°	718.3	717.7	717.5	717.4	717.3	717.2	717.2	717.5	717.7	718.0	718.2
157.5°	732.0	731.1	731.2	731.4	731.5	731.6	731.7	731.7	731.7	731.8	731.8
160°	739.7	739.0	739.1	739.2	739.3	739.5	739.6	739.7	739.9	740.0	740.1
162.5°	746.8	745.9	746.0	746.2	746.3	746.4	746.6	747.0	747.3	747.6	748.0
165°	756.2	755.1	755.3	755.4	755.5	755.6	755.9	756.3	756.7	757.0	757.4
167.5°	763.6	762.4	762.4	762.4	762.4	762.4	762.8	763.3	763.8	764.3	764.8
170°	767.7	766.6	766.6	766.6	766.6	766.6	766.9	767.4	767.9	768.4	768.9
172.5°	770.4	769.4	769.3	769.2	769.1	769.0	769.2	769.8	770.4	771.1	771.7
175°	773.9	773.0	772.8	772.7	772.5	772.4	772.7	773.4	774.0	774.7	775.3
177.5°	775.2	774.4	774.3	774.2	774.1	774.0	774.2	774.7	775.2	775.7	776.2
180°	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3



TEST NUMBER: P331964-840

CATALOG NUMBER: S123DIP-S775D585U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2
2.5°	1097.9	1100.0	1107.3	1112.4	1118.2	1121.7	1125.0	1127.6	1130.9	1131.8	1144.1
5°	1102.9	1113.4	1132.0	1145.7	1162.6	1181.0	1193.8	1199.6	1214.9	1227.6	1252.9
7.5°	1101.5	1124.0	1151.9	1180.8	1211.9	1240.7	1265.7	1295.3	1316.4	1348.0	1379.1
10°	1100.1	1130.3	1166.3	1203.3	1246.7	1286.8	1322.7	1362.9	1396.2	1440.2	1477.6
12.5°	1096.4	1132.9	1182.8	1226.6	1279.2	1334.6	1387.9	1439.5	1468.9	1542.1	1576.6
15°	1087.0	1130.3	1192.8	1259.3	1331.7	1397.4	1465.0	1518.9	1606.1	1670.1	1710.8
17.5°	1069.0	1129.7	1203.7	1284.0	1372.1	1458.5	1535.2	1617.0	1709.5	1787.0	1869.5
20°	1060.6	1127.1	1209.6	1298.5	1389.9	1487.7	1575.0	1673.2	1774.2	1850.4	1956.1
22.5°	1044.9	1120.3	1209.2	1308.2	1405.9	1507.1	1609.2	1708.4	1825.0	1930.0	2030.5
25°	1019.3	1103.9	1195.9	1306.4	1421.1	1522.6	1644.8	1776.4	1897.9	2032.8	2133.2
27.5°	992.4	1082.8	1175.0	1277.7	1401.1	1521.6	1675.2	1823.9	1972.7	2089.0	2163.3
30°	971.7	1059.4	1154.7	1258.3	1380.4	1523.7	1695.5	1857.7	2002.7	2102.5	2144.3
32.5°	949.3	1038.3	1122.5	1231.2	1361.4	1522.4	1708.2	1877.6	2004.4	2070.8	2062.8
35°	914.1	988.7	1070.6	1175.3	1328.6	1513.1	1715.6	1879.5	1957.2	1942.9	1835.0
37.5°	863.3	926.0	1006.7	1121.4	1290.5	1493.5	1700.8	1823.7	1818.7	1702.4	1546.2
40°	831.6	885.0	962.7	1083.3	1260.9	1480.9	1677.5	1757.4	1689.7	1527.3	1340.2
42.5°	790.2	839.3	917.1	1041.0	1228.3	1455.0	1633.1	1656.3	1523.9	1337.1	1165.5
45°	725.9	769.2	849.6	977.5	1179.5	1398.9	1524.7	1468.1	1290.0	1097.0	966.4
47.5°	656.8	701.9	779.2	910.6	1108.8	1314.4	1374.3	1254.1	1071.1	914.6	794.8
50°	613.3	656.6	732.3	864.9	1061.1	1245.1	1269.9	1114.5	946.3	808.9	710.5
52.5°	569.3	610.1	684.4	817.6	1005.2	1164.7	1149.3	991.0	836.4	719.2	642.1
55°	503.8	542.4	613.3	738.0	908.8	1035.1	979.7	828.5	700.5	609.6	550.9
57.5°	445.2	482.3	543.4	656.1	804.6	891.4	820.7	693.3	591.6	521.6	477.9
60°	405.5	438.3	496.4	601.1	730.1	796.2	726.4	613.8	528.2	472.1	433.0
62.5°	367.9	396.4	450.3	545.3	657.3	712.9	642.3	546.9	474.0	424.3	391.1
65°	310.8	336.8	384.4	458.4	550.4	587.3	526.5	449.4	392.8	355.8	333.6
67.5°	258.8	280.8	321.9	380.2	447.9	474.8	428.6	368.8	326.2	296.5	278.8
70°	224.2	243.2	275.5	325.7	387.0	407.6	364.3	315.1	283.9	260.1	243.7
72.5°	195.0	208.9	238.2	277.0	328.2	344.6	314.4	271.1	242.1	224.2	211.2
75°	148.6	160.2	179.3	210.5	245.8	255.4	232.6	205.6	186.1	173.4	163.4
77.5°	107.1	115.6	129.5	148.7	173.2	181.8	167.3	149.4	135.1	126.5	121.0
80°	80.9	87.8	99.4	115.2	130.1	134.8	126.3	112.6	102.6	97.9	93.0
82.5°	59.8	63.6	70.6	81.4	91.6	97.1	90.0	81.7	76.3	72.0	70.2
85°	30.1	32.2	35.4	39.7	45.9	48.1	45.4	43.3	40.2	37.6	37.6
87.5°	11.4	11.6	13.1	14.2	16.3	17.9	17.8	17.3	17.2	16.9	16.5
90°	1.8	3.1	4.4	5.7	7.2	8.8	10.5	12.1	13.8	14.3	14.8
92.5°	10.4	10.0	9.6	9.3	9.7	11.0	12.2	13.5	14.7	15.6	16.4
95°	29.9	24.6	19.4	14.1	12.2	13.6	15.0	16.5	17.9	18.8	19.7
97.5°	68.3	65.9	63.5	61.2	55.4	46.2	37.0	27.8	18.6	19.6	20.6
100°	99.9	102.5	105.0	107.6	98.9	78.9	59.0	39.0	19.0	20.0	21.0
102.5°	129.6	131.5	133.3	135.1	125.1	103.3	81.5	59.7	37.9	34.7	31.5
105°	173.1	174.5	175.8	177.2	172.2	160.7	149.2	137.6	126.1	103.5	80.8
107.5°	219.0	220.3	221.4	222.5	223.9	225.7	227.5	229.3	231.2	214.6	197.9
110°	249.8	250.9	251.9	252.9	254.2	255.5	256.9	258.3	259.7	255.5	251.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	279.2	280.1	281.0	282.0	283.2	284.6	286.0	287.4	288.8	288.9	288.9
115°	322.8	323.5	324.3	325.1	326.0	327.2	328.3	329.4	330.6	331.9	333.2
117.5°	365.2	366.2	367.1	368.0	368.8	369.4	370.0	370.6	371.1	372.2	373.2
120°	391.6	392.8	393.9	395.2	395.9	396.3	396.7	397.1	397.4	398.5	399.5
122.5°	418.2	419.1	420.1	421.0	421.7	422.2	422.7	423.2	423.7	424.4	425.2
125°	454.9	456.0	457.0	458.0	458.8	459.3	459.8	460.3	460.8	461.0	461.3
127.5°	490.4	491.4	492.4	493.4	494.2	494.8	495.5	496.1	496.8	497.2	497.6
130°	512.5	513.5	514.5	515.5	516.3	516.8	517.4	517.9	518.4	518.9	519.4
132.5°	533.7	534.7	535.7	536.7	537.5	537.9	538.3	538.7	539.2	539.7	540.2
135°	565.8	566.5	567.3	568.2	568.8	569.3	569.8	570.3	570.8	571.2	571.6
137.5°	593.7	594.6	595.6	596.5	597.2	597.4	597.7	598.0	598.3	599.0	599.6
140°	611.9	612.7	613.4	614.2	614.8	615.1	615.5	615.9	616.3	616.8	617.3
142.5°	628.9	629.8	630.5	631.3	631.8	632.2	632.6	633.0	633.4	633.8	634.2
145°	652.9	653.8	654.7	655.6	656.2	656.4	656.7	656.9	657.2	657.4	657.7
147.5°	675.1	675.7	676.2	676.8	677.2	677.5	677.7	678.0	678.3	678.5	678.8
150°	688.7	689.0	689.4	689.8	690.1	690.4	690.6	690.9	691.2	691.5	691.7
152.5°	700.9	701.0	701.3	701.5	701.7	701.8	702.0	702.1	702.3	702.7	703.2
155°	718.0	717.7	717.5	717.2	717.2	717.3	717.4	717.5	717.7	718.3	718.9
157.5°	731.8	731.7	731.7	731.7	731.6	731.5	731.4	731.2	731.1	732.0	732.7
160°	740.0	739.9	739.7	739.6	739.5	739.3	739.2	739.1	739.0	739.7	740.5
162.5°	747.6	747.3	747.0	746.6	746.4	746.3	746.2	746.0	745.9	746.8	747.6
165°	757.0	756.7	756.3	755.9	755.6	755.5	755.4	755.3	755.1	756.2	757.2
167.5°	764.3	763.8	763.3	762.8	762.4	762.4	762.4	762.4	762.4	763.6	764.6
170°	768.4	767.9	767.4	766.9	766.6	766.6	766.6	766.6	766.6	767.7	768.7
172.5°	771.1	770.4	769.8	769.2	769.0	769.1	769.2	769.3	769.4	770.4	771.4
175°	774.7	774.0	773.4	772.7	772.4	772.5	772.7	772.8	773.0	773.9	774.8
177.5°	775.7	775.2	774.7	774.2	774.0	774.1	774.2	774.3	774.4	775.2	776.0
180°	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2
2.5°	1148.3	1148.7	1153.4	1156.8	1155.1	1157.2	1158.0
5°	1254.6	1273.6	1283.6	1291.0	1291.6	1292.1	1296.4
7.5°	1405.2	1425.6	1440.6	1463.2	1470.0	1477.6	1475.4
10°	1515.2	1545.3	1571.2	1585.0	1599.8	1621.4	1604.1
12.5°	1618.0	1671.4	1710.8	1732.2	1746.2	1750.5	1741.9
15°	1787.5	1857.2	1894.8	1893.7	1941.4	1962.0	1929.7
17.5°	1942.9	2007.3	2058.9	2085.4	2125.0	2133.7	2129.7
20°	2038.1	2108.4	2148.6	2194.0	2214.6	2233.1	2236.3
22.5°	2120.1	2183.2	2226.3	2264.2	2281.5	2290.3	2295.5
25°	2204.6	2254.3	2280.2	2293.4	2298.1	2297.1	2290.3
27.5°	2198.8	2202.6	2174.0	2146.1	2121.0	2092.7	2083.0
30°	2141.7	2097.3	2018.0	1973.1	1906.9	1854.6	1875.7
32.5°	1991.6	1903.2	1814.1	1715.9	1634.6	1611.4	1588.1
35°	1699.7	1544.3	1453.4	1347.6	1305.4	1263.0	1234.0
37.5°	1375.1	1254.9	1147.0	1077.8	1035.5	1008.8	994.3
40°	1189.0	1080.7	991.8	935.7	903.5	873.4	869.2
42.5°	1040.6	939.8	872.9	828.3	797.4	784.6	775.3
45°	852.2	781.9	737.0	705.3	684.7	676.7	666.1
47.5°	721.3	671.7	637.9	616.3	600.8	594.9	594.0
50°	648.1	606.9	582.1	565.1	553.0	550.9	542.4
52.5°	593.2	557.4	538.1	523.3	514.5	508.6	506.0
55°	514.9	491.1	473.7	465.2	458.4	452.5	452.5
57.5°	450.5	430.7	419.1	411.9	409.8	405.7	403.0
60°	410.8	393.8	384.9	378.5	374.4	374.9	370.1
62.5°	371.8	360.9	352.3	346.0	340.9	341.0	341.3
65°	316.7	308.2	301.8	299.7	296.6	292.9	294.0
67.5°	268.3	260.4	255.5	251.9	250.9	248.8	251.9
70°	233.7	227.8	224.2	221.0	219.9	220.5	223.1
72.5°	202.0	197.8	195.4	193.9	191.6	191.7	193.5
75°	158.6	155.4	153.3	151.7	151.2	151.2	151.2
77.5°	116.5	115.8	114.8	112.5	112.6	113.2	113.3
80°	92.0	90.4	89.9	88.9	87.3	86.1	88.9
82.5°	68.8	67.2	66.7	66.4	63.9	63.7	65.9
85°	37.0	35.4	36.0	35.4	35.4	34.9	34.9
87.5°	16.2	15.9	15.6	16.0	15.7	15.2	16.2
90°	15.3	15.9	16.3	16.6	16.8	17.1	17.3
92.5°	17.2	18.0	18.5	18.7	18.8	19.0	19.1
95°	20.5	21.4	21.9	21.9	21.9	21.9	21.9
97.5°	21.6	22.6	23.2	23.3	23.4	23.6	23.7
100°	22.1	23.1	23.6	23.8	23.9	24.0	24.2
102.5°	28.4	25.2	23.7	23.9	24.2	24.4	24.6
105°	58.2	35.5	24.3	24.5	24.8	25.0	25.3
107.5°	181.4	164.7	147.9	130.8	113.7	96.6	79.6
110°	247.1	242.9	231.6	213.3	195.0	176.7	158.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	289.0	289.1	287.2	283.4	279.4	275.6	271.8
115°	334.5	335.8	336.6	337.1	337.7	338.2	338.7
117.5°	374.3	375.3	375.9	376.0	376.1	376.2	376.3
120°	400.5	401.5	402.0	402.0	402.0	402.0	402.0
122.5°	425.9	426.6	427.0	427.1	427.2	427.3	427.4
125°	461.5	461.8	462.1	462.3	462.6	462.8	463.1
127.5°	498.0	498.4	498.5	498.2	498.0	497.7	497.5
130°	519.9	520.4	520.6	520.3	520.1	519.8	519.6
132.5°	540.7	541.2	541.3	540.9	540.5	540.2	539.8
135°	572.0	572.3	572.3	572.0	571.6	571.2	570.8
137.5°	600.2	600.8	601.0	600.7	600.5	600.2	600.0
140°	617.8	618.3	618.4	618.2	617.9	617.7	617.4
142.5°	634.6	635.0	635.0	634.7	634.3	633.9	633.6
145°	657.9	658.2	658.3	658.3	658.3	658.3	658.3
147.5°	679.0	679.3	679.1	678.5	677.9	677.4	676.8
150°	692.0	692.2	692.2	691.8	691.4	690.9	690.6
152.5°	703.6	704.1	704.0	703.5	702.9	702.3	701.7
155°	719.6	720.2	720.1	719.4	718.6	717.9	717.1
157.5°	733.5	734.3	734.1	733.1	732.2	731.1	730.1
160°	741.2	742.0	741.9	741.1	740.2	739.3	738.4
162.5°	748.5	749.4	749.4	748.6	747.8	747.0	746.3
165°	758.2	759.2	759.3	758.4	757.5	756.6	755.7
167.5°	765.6	766.6	766.6	765.6	764.6	763.6	762.4
170°	769.7	770.7	770.7	769.7	768.7	767.7	766.6
172.5°	772.4	773.5	773.5	772.3	771.2	770.0	768.9
175°	775.7	776.6	776.5	775.5	774.5	773.5	772.3
177.5°	776.8	777.6	777.5	776.5	775.5	774.5	773.5
180°	775.3	775.3	775.3	775.3	775.3	775.3	775.3

(END OF REPORT)