

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: P333269-927

Luminaire Tested: **S125DIP-S1090D810U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333269-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S1090D810U927-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 810 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5777.6 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Semi-Direct

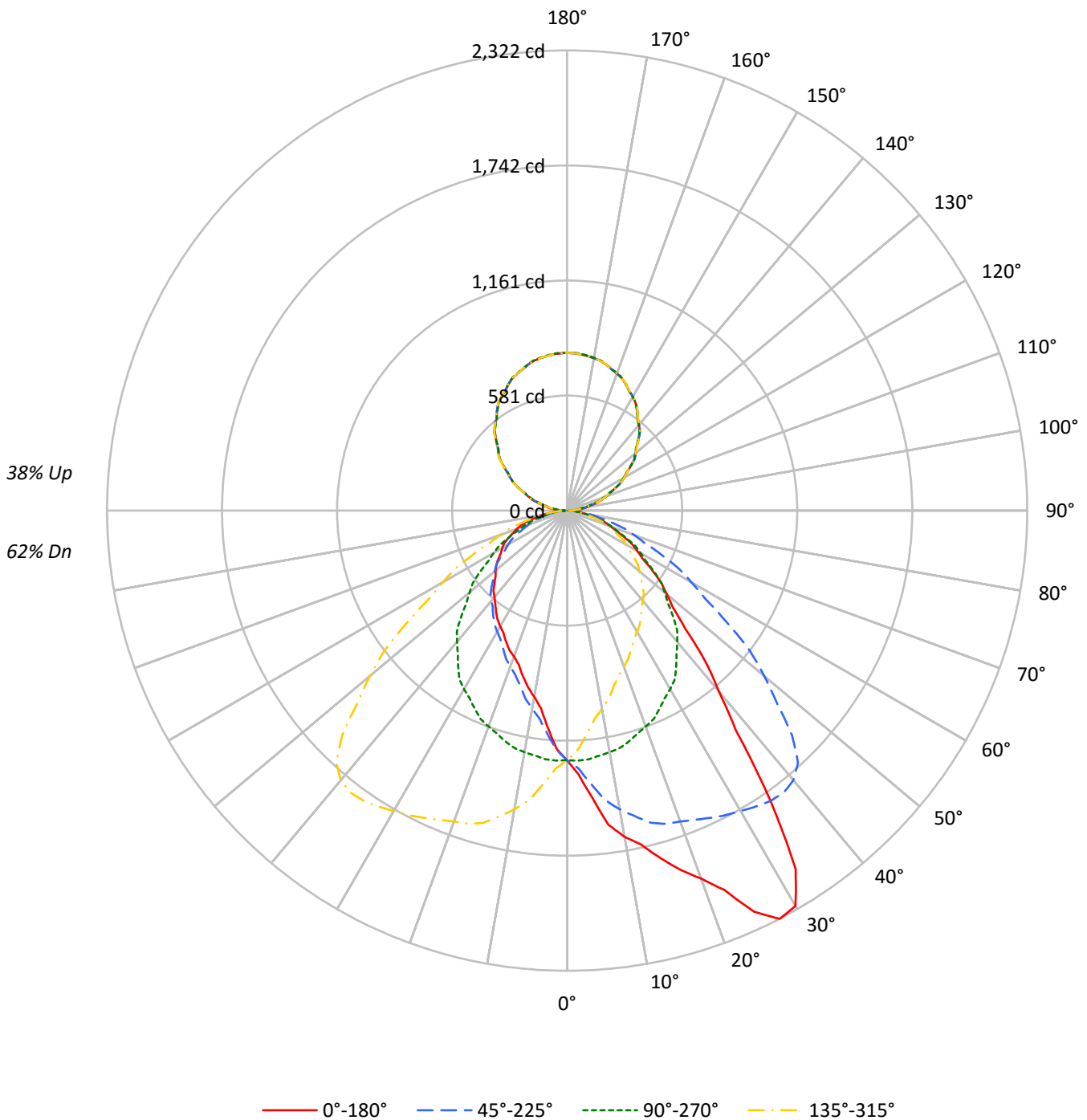
Input Watts (W): 54.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	103	103	103	90	90	90	78	78	78	67	67	67	62
1	101	96	93	89	94	90	87	84	79	77	74	69	67	65	59	58	57	52
2	92	84	78	73	86	79	74	69	70	66	62	61	58	55	53	50	48	44
3	84	74	67	61	78	70	64	58	62	57	52	54	50	47	47	44	41	38
4	77	66	58	52	72	62	55	50	55	49	45	48	44	40	42	39	36	33
5	71	59	51	45	66	56	48	43	49	43	39	43	39	35	38	34	31	28
6	65	53	45	39	61	50	43	37	45	39	34	39	34	31	34	31	28	25
7	60	48	40	34	56	45	38	33	40	34	30	36	31	27	31	28	25	22
8	56	44	36	30	52	41	34	29	37	31	27	33	28	24	29	25	22	20
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	27	23	20	18
10	49	37	29	24	46	35	28	23	31	26	22	28	23	20	25	21	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8136	8136	8136	8136
5°	9422	8163	7148	8163
10°	10961	8121	6263	8121
15°	12133	8062	5777	8062
20°	13582	7967	5388	7967
25°	15911	7860	5197	7860
30°	17186	7756	5032	7756
35°	14130	7559	4924	7559
40°	10044	7284	4806	7284
45°	7716	6915	4737	6915
50°	6586	6457	4728	6457
55°	5864	6008	4769	6008
60°	5291	5518	4890	5518
65°	4886	5025	5017	5025
70°	4443	4513	5089	4513
75°	3923	3975	5043	3975
80°	3299	3239	4616	3239
85°	2616	2334	3720	2334



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.3	2.1
10°-20°	361.1	6.2
20°-30°	586.3	10.1
30°-40°	715.2	12.4
40°-50°	650.6	11.3
50°-60°	518.2	9.0
60°-70°	361.0	6.2
70°-80°	192.5	3.3
80°-90°	50.3	0.9
90°-100°	53.3	0.9
100°-110°	157.4	2.7
110°-120°	266.7	4.6
120°-130°	350.9	6.1
130°-140°	393.2	6.8
140°-150°	385.4	6.7
150°-160°	323.7	5.6
160°-170°	215.2	3.7
170°-180°	75.3	1.3
0°-30°	1068.7	18.5
0°-40°	1783.8	30.9
0°-60°	2952.7	51.1
0°-90°	3556.4	61.6
90°-120°	477.4	8.3
90°-150°	1607.0	27.8
90°-180°	2221.0	38.4
0°-180°	5777.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1260	1260	1260	1260	1260	
5°	1453	1259	1102	1259	1453	146
15°	1815	1206	864	1206	1815	519
25°	2233	1103	729	1103	2233	1020
35°	1792	959	624	959	1792	1097
45°	845	757	519	757	845	676
55°	521	534	424	534	521	469
65°	320	329	328	329	320	317
75°	157	159	202	159	157	169
85°	35	32	50	32	35	41
90°	15	1	15	1	15	10
95°	53	40	53	40	53	54
105°	154	141	154	141	154	163
115°	270	267	270	267	270	267
125°	392	390	392	390	392	350
135°	509	507	509	507	509	392
145°	616	614	616	614	616	385
155°	702	702	702	702	702	323
165°	762	764	762	764	762	215
175°	791	794	791	794	791	75
180°	796	796	796	796	796	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1332.5	1330.7	1329.0	1325.6	1328.2	1320.9	1317.5	1311.5	1304.2	1301.6	1298.6
5°	1453.3	1456.0	1458.6	1447.4	1448.4	1441.0	1423.9	1409.9	1398.8	1384.3	1374.1
7.5°	1598.7	1592.4	1591.9	1584.6	1572.1	1562.0	1544.0	1521.1	1499.0	1473.8	1452.9
10°	1671.4	1672.0	1667.1	1658.6	1645.2	1635.6	1612.1	1589.6	1562.3	1530.3	1507.3
12.5°	1726.2	1728.4	1722.4	1710.8	1704.2	1682.7	1664.3	1637.5	1605.1	1579.5	1544.5
15°	1814.7	1808.9	1804.6	1790.1	1778.9	1756.4	1727.0	1699.2	1663.9	1631.3	1598.7
17.5°	1900.0	1904.7	1896.7	1883.6	1848.7	1822.5	1783.0	1745.0	1701.1	1657.3	1618.3
20°	1976.2	1980.5	1968.2	1945.2	1903.5	1877.3	1825.4	1776.2	1725.5	1669.3	1626.5
22.5°	2071.2	2067.8	2051.1	2016.2	1980.1	1931.6	1875.5	1815.6	1751.9	1688.5	1631.7
25°	2232.8	2210.3	2200.2	2157.0	2109.3	2038.2	1961.2	1873.5	1794.4	1710.5	1637.8
27.5°	2322.4	2315.4	2304.1	2273.9	2223.9	2147.8	2057.1	1950.2	1838.6	1732.6	1637.4
30°	2304.5	2305.6	2306.6	2297.0	2264.9	2207.7	2117.3	2002.4	1869.8	1750.6	1640.4
32.5°	2145.4	2164.8	2183.4	2205.4	2214.5	2203.5	2146.9	2043.0	1906.5	1771.1	1638.7
35°	1792.2	1798.2	1858.5	1918.4	1999.7	2062.8	2105.1	2059.0	1944.1	1788.5	1636.6
37.5°	1397.5	1426.3	1468.2	1535.8	1653.1	1758.2	1893.2	1955.3	1918.3	1794.2	1632.9
40°	1191.3	1218.0	1245.3	1314.2	1413.2	1540.4	1693.8	1824.9	1855.4	1776.2	1620.1
42.5°	1032.1	1053.4	1083.6	1135.4	1218.1	1330.9	1477.4	1648.6	1754.0	1724.0	1593.2
45°	844.8	858.2	881.7	922.9	982.8	1071.0	1200.4	1387.5	1550.6	1604.6	1529.2
47.5°	723.1	723.0	741.3	769.8	812.9	887.9	983.6	1130.2	1304.4	1433.3	1427.3
50°	655.5	652.8	667.3	691.9	726.1	775.9	867.3	984.4	1151.7	1297.7	1338.3
52.5°	597.4	597.7	606.6	624.7	653.4	695.9	764.1	869.7	1012.7	1162.5	1239.1
55°	520.8	518.6	528.8	541.1	562.0	589.8	639.0	719.7	835.7	983.3	1082.8
57.5°	450.6	456.5	460.6	469.1	486.5	505.1	546.5	605.8	697.8	824.5	929.6
60°	409.6	415.4	418.7	427.2	441.1	457.2	489.3	537.3	614.9	724.0	828.2
62.5°	372.8	377.4	378.4	386.1	397.5	413.1	438.3	478.8	540.0	635.4	737.5
65°	319.7	319.7	321.9	329.9	335.3	349.1	368.4	397.8	447.0	521.3	608.5
67.5°	268.6	271.2	270.7	274.2	279.1	289.9	303.7	328.0	364.4	418.7	488.4
70°	235.3	237.4	236.9	239.6	244.9	251.8	263.1	286.1	312.3	358.8	418.7
72.5°	205.3	206.2	204.8	208.3	211.5	217.6	230.1	242.4	266.9	306.2	355.4
75°	157.2	158.3	159.3	161.4	164.7	167.9	174.3	186.6	202.6	232.0	263.6
77.5°	117.9	115.8	118.4	118.0	119.9	122.3	128.0	134.5	147.7	166.3	190.7
80°	88.7	89.3	89.3	89.8	92.5	94.1	98.9	103.7	113.9	127.8	144.9
82.5°	64.8	66.2	65.4	66.3	68.5	69.7	72.4	76.4	82.2	93.2	105.5
85°	35.3	32.6	33.7	34.8	34.8	35.3	37.4	39.1	42.2	46.5	51.3
87.5°	13.2	14.0	14.3	14.3	14.7	14.5	16.1	15.9	17.1	18.2	19.7
90°	14.9	14.4	14.0	13.6	13.2	12.7	12.0	11.2	10.6	9.9	9.0
92.5°	29.2	28.9	28.6	28.4	28.0	27.4	26.5	25.6	24.7	23.8	22.6
95°	53.2	53.0	52.8	52.4	52.2	51.6	50.6	49.6	48.6	47.7	46.3
97.5°	80.8	80.6	80.4	80.2	80.1	79.6	78.7	77.8	76.8	76.0	74.1
100°	101.6	101.3	101.0	100.8	100.5	99.7	98.5	97.3	96.0	94.7	93.0
102.5°	122.4	122.0	121.6	121.3	120.9	120.0	118.7	117.3	116.0	114.6	113.7
105°	153.6	153.2	152.8	152.4	151.9	151.4	150.5	149.7	148.9	148.1	147.2
107.5°	185.6	185.6	185.6	185.7	185.7	185.5	185.1	184.7	184.3	183.9	183.2
110°	209.4	209.5	209.6	209.8	209.9	209.8	209.4	209.0	208.6	208.1	207.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	232.7	232.9	233.1	233.4	233.7	233.7	233.5	233.3	233.1	232.9	232.4
115°	269.5	269.6	269.7	269.9	270.0	270.1	270.3	270.5	270.5	270.7	270.5
117.5°	305.4	305.9	306.5	307.0	307.6	307.8	307.7	307.6	307.4	307.4	307.1
120°	330.2	330.7	331.3	331.8	332.4	332.6	332.6	332.6	332.6	332.6	332.5
122.5°	355.0	355.4	355.8	356.2	356.7	357.0	357.1	357.2	357.3	357.4	357.0
125°	392.1	392.3	392.4	392.5	392.7	392.8	393.2	393.4	393.7	394.0	393.8
127.5°	427.8	428.1	428.3	428.6	428.9	429.1	429.2	429.4	429.5	429.7	429.5
130°	451.5	451.9	452.1	452.4	452.7	452.9	453.0	453.1	453.3	453.4	453.1
132.5°	473.9	474.3	474.7	475.1	475.4	475.7	475.8	475.9	476.1	476.3	476.3
135°	508.6	509.1	509.7	510.2	510.8	511.0	511.0	511.0	511.0	511.0	510.9
137.5°	542.5	543.2	543.9	544.5	545.3	545.5	545.3	545.2	545.0	544.9	544.5
140°	564.4	565.0	565.7	566.4	567.0	567.3	567.0	566.7	566.5	566.2	565.8
142.5°	585.1	585.8	586.5	587.2	587.9	588.1	588.0	587.8	587.6	587.5	586.9
145°	616.3	616.8	617.2	617.6	618.0	618.2	618.2	618.2	618.2	618.2	617.8
147.5°	643.0	644.0	644.8	645.8	646.7	647.1	646.7	646.3	646.0	645.7	645.4
150°	662.8	663.1	663.4	663.6	663.9	664.1	664.1	664.1	664.1	664.1	663.5
152.5°	679.1	679.7	680.2	680.6	681.1	681.2	680.9	680.6	680.2	679.9	679.7
155°	702.4	703.1	703.9	704.5	705.2	705.3	704.7	704.2	703.6	703.1	702.9
157.5°	721.9	722.8	723.7	724.6	725.6	725.7	725.2	724.6	724.1	723.5	723.3
160°	735.3	735.9	736.7	737.4	738.1	738.1	737.5	737.0	736.5	735.9	735.8
162.5°	746.7	747.5	748.3	749.1	749.9	750.0	749.3	748.6	748.0	747.3	747.3
165°	761.9	762.7	763.6	764.4	765.2	765.3	764.9	764.3	763.7	763.2	763.0
167.5°	774.0	774.9	775.8	776.7	777.4	777.5	776.7	775.9	775.0	774.2	774.2
170°	780.5	781.5	782.4	783.4	784.3	784.4	783.6	782.8	782.0	781.1	781.1
172.5°	785.9	786.8	787.7	788.5	789.4	789.4	788.5	787.7	786.9	786.1	786.1
175°	791.1	792.0	793.0	793.9	794.9	795.0	794.2	793.3	792.5	791.6	791.6
177.5°	794.0	794.8	795.6	796.3	797.1	797.2	796.5	795.8	795.2	794.5	794.6
180°	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1296.1	1293.1	1289.7	1283.7	1276.4	1272.6	1266.5	1262.7	1255.0	1248.6	1241.7
5°	1361.8	1348.0	1335.1	1318.5	1300.4	1288.6	1274.7	1259.2	1243.2	1226.5	1208.4
7.5°	1430.0	1405.3	1378.6	1349.9	1321.8	1295.9	1271.1	1246.9	1224.2	1196.8	1173.6
10°	1475.8	1444.7	1411.6	1372.5	1334.6	1301.4	1267.7	1238.3	1208.4	1176.3	1148.0
12.5°	1521.5	1480.2	1433.4	1390.5	1344.8	1304.8	1265.2	1227.6	1190.0	1154.5	1121.4
15°	1553.8	1517.4	1474.1	1413.2	1361.8	1306.8	1254.3	1205.7	1160.2	1120.7	1079.0
17.5°	1575.1	1528.2	1481.7	1423.2	1356.0	1294.3	1235.0	1179.3	1128.1	1077.9	1037.7
20°	1578.9	1530.8	1482.2	1424.9	1356.0	1285.4	1226.1	1159.2	1104.1	1052.3	1003.1
22.5°	1577.6	1523.1	1470.1	1411.3	1344.0	1279.0	1207.2	1139.1	1079.3	1028.3	977.0
25°	1565.6	1507.3	1441.0	1381.6	1315.3	1246.3	1173.6	1103.0	1042.1	983.8	933.0
27.5°	1555.5	1479.9	1404.9	1335.6	1271.6	1208.4	1138.8	1066.5	998.9	939.8	892.0
30°	1543.1	1460.2	1375.7	1303.5	1237.8	1176.3	1110.6	1040.0	969.4	911.6	860.3
32.5°	1532.0	1435.4	1346.2	1267.7	1198.0	1138.2	1077.6	1010.4	941.1	882.6	831.2
35°	1510.5	1398.8	1296.6	1207.8	1133.5	1072.1	1021.3	958.7	895.1	838.4	789.2
37.5°	1483.2	1350.6	1241.0	1148.0	1066.5	1001.7	954.4	906.4	845.3	790.7	746.2
40°	1461.8	1316.4	1200.4	1105.2	1020.7	953.3	909.5	864.0	813.3	762.5	715.4
42.5°	1434.9	1285.6	1159.3	1056.9	973.2	907.6	861.6	823.0	778.2	730.8	687.1
45°	1385.4	1229.8	1092.9	982.8	898.3	833.5	786.0	757.1	723.4	678.5	641.6
47.5°	1312.6	1162.7	1021.1	907.4	820.3	760.3	715.7	688.0	664.3	630.9	597.5
50°	1247.9	1112.7	969.4	856.6	769.4	709.0	667.8	642.7	622.3	596.7	568.4
52.5°	1175.7	1049.8	918.5	806.9	720.6	661.1	620.8	598.7	581.7	563.3	535.4
55°	1060.8	953.9	831.9	726.1	646.4	588.1	552.9	533.6	519.8	505.8	488.7
57.5°	934.3	850.6	742.7	645.9	572.5	519.5	486.6	467.9	457.0	449.9	439.8
60°	845.3	773.7	680.6	592.4	520.8	473.7	441.6	427.2	418.1	412.3	404.7
62.5°	762.8	703.9	617.7	537.3	474.6	430.1	401.5	387.5	378.7	375.9	369.7
65°	641.1	595.6	524.5	457.7	404.3	366.2	342.2	328.8	323.4	320.3	320.8
67.5°	521.2	493.5	436.4	379.4	336.8	304.9	285.7	275.4	272.7	268.4	268.3
70°	448.1	427.2	379.1	329.4	291.4	266.8	249.7	239.0	236.3	234.2	233.7
72.5°	383.5	365.2	323.4	283.6	249.5	227.9	213.7	207.3	203.0	201.7	201.6
75°	288.2	278.1	244.9	213.3	189.8	174.8	165.2	159.3	156.1	155.6	156.1
77.5°	204.9	196.0	174.9	152.6	137.8	126.4	118.3	116.2	112.6	112.7	112.2
80°	154.0	148.1	134.8	117.1	104.8	95.1	90.9	87.1	86.1	84.4	86.1
82.5°	111.6	105.4	96.3	85.0	74.9	69.1	64.8	63.6	63.0	62.3	62.6
85°	55.1	55.6	50.2	41.7	37.4	34.2	31.5	31.5	31.0	30.5	31.0
87.5°	20.4	19.4	17.4	16.0	13.6	12.1	11.5	11.6	10.6	10.4	11.0
90°	8.0	7.1	6.0	5.0	4.0	2.9	1.7	0.6	1.7	2.9	4.0
92.5°	21.4	20.2	19.0	18.1	17.3	16.6	15.8	15.0	15.8	16.6	17.3
95°	44.9	43.6	42.2	41.4	41.1	40.8	40.6	40.2	40.6	40.8	41.1
97.5°	72.2	70.3	68.4	67.3	67.3	67.1	67.0	66.9	67.0	67.1	67.3
100°	91.2	89.4	87.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
102.5°	112.8	111.9	111.0	110.3	109.7	109.2	108.6	108.1	108.6	109.2	109.7
105°	146.4	145.6	144.7	144.0	143.3	142.6	142.0	141.2	142.0	142.6	143.3
107.5°	182.6	182.0	181.3	180.7	180.0	179.3	178.6	177.9	178.6	179.3	180.0
110°	207.3	206.9	206.5	206.0	205.3	204.5	203.9	203.2	203.9	204.5	205.3



TEST NUMBER: P333269-927

CATALOG NUMBER: S125DIP-S1090D810U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	231.9	231.3	230.8	230.4	230.0	229.7	229.3	228.9	229.3	229.7	230.0
115°	270.1	269.9	269.6	269.2	268.6	268.1	267.5	267.0	267.5	268.1	268.6
117.5°	306.9	306.7	306.4	306.1	305.9	305.6	305.4	305.1	305.4	305.6	305.9
120°	332.4	332.2	332.1	331.7	331.0	330.3	329.6	328.9	329.6	330.3	331.0
122.5°	356.7	356.3	356.0	355.7	355.5	355.2	355.0	354.7	355.0	355.2	355.5
125°	393.7	393.6	393.4	392.9	392.1	391.3	390.5	389.6	390.5	391.3	392.1
127.5°	429.3	429.1	429.0	428.6	428.2	427.7	427.3	426.8	427.3	427.7	428.2
130°	452.9	452.6	452.3	451.9	451.1	450.5	449.8	449.1	449.8	450.5	451.1
132.5°	476.3	476.4	476.4	475.9	474.8	473.6	472.5	471.4	472.5	473.6	474.8
135°	510.8	510.6	510.5	510.0	509.2	508.3	507.6	506.7	507.6	508.3	509.2
137.5°	544.2	544.0	543.7	543.1	542.3	541.5	540.7	540.0	540.7	541.5	542.3
140°	565.4	564.9	564.5	564.0	563.3	562.6	561.9	561.3	561.9	562.6	563.3
142.5°	586.5	585.9	585.4	584.9	584.2	583.7	583.1	582.6	583.1	583.7	584.2
145°	617.3	617.0	616.6	616.1	615.5	615.0	614.4	613.9	614.4	615.0	615.5
147.5°	645.1	644.8	644.4	644.0	643.8	643.5	643.2	642.9	643.2	643.5	643.8
150°	663.0	662.4	661.9	661.6	661.8	661.9	662.0	662.2	662.0	661.9	661.8
152.5°	679.5	679.2	679.1	678.8	678.7	678.4	678.3	678.0	678.3	678.4	678.7
155°	702.8	702.7	702.5	702.4	702.4	702.4	702.4	702.4	702.4	702.4	702.4
157.5°	723.3	723.1	722.9	723.0	723.3	723.7	724.0	724.3	724.0	723.7	723.3
160°	735.6	735.5	735.4	735.5	735.9	736.3	736.7	737.1	736.7	736.3	735.9
162.5°	747.3	747.2	747.2	747.3	747.7	747.9	748.2	748.5	748.2	747.9	747.7
165°	762.9	762.7	762.6	762.7	763.0	763.3	763.5	763.8	763.5	763.3	763.0
167.5°	774.2	774.2	774.2	774.4	775.0	775.5	776.1	776.7	776.1	775.5	775.0
170°	781.1	781.1	781.1	781.4	782.0	782.5	783.1	783.6	783.1	782.5	782.0
172.5°	786.1	786.1	786.1	786.3	786.9	787.4	788.0	788.5	788.0	787.4	786.9
175°	791.6	791.6	791.6	791.9	792.5	793.1	793.6	794.2	793.6	793.1	792.5
177.5°	794.7	794.9	795.0	795.2	795.7	796.1	796.5	797.0	796.5	796.1	795.7
180°	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0



TEST NUMBER: P333269-927

CATALOG NUMBER: S125DIP-S1090D810U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1237.9	1233.2	1229.3	1220.8	1216.1	1209.7	1204.5	1210.1	1204.1	1206.7	1202.8
5°	1199.3	1184.3	1173.6	1158.1	1144.8	1132.4	1123.4	1121.7	1117.5	1115.3	1108.9
7.5°	1152.9	1134.2	1115.8	1095.4	1078.3	1060.9	1049.8	1040.6	1034.5	1026.5	1021.0
10°	1125.5	1100.3	1079.0	1054.4	1033.0	1014.3	999.3	991.8	984.9	974.7	971.0
12.5°	1091.7	1065.7	1039.7	1013.4	992.8	971.9	959.1	947.8	942.9	931.5	930.3
15°	1051.2	1012.2	986.5	959.7	931.4	914.3	903.6	891.3	886.0	878.0	872.0
17.5°	1002.8	968.0	935.9	908.2	883.9	869.5	856.3	847.8	838.6	833.4	823.7
20°	967.8	934.6	902.5	873.1	854.4	837.8	827.1	819.1	809.5	806.8	797.3
22.5°	938.3	901.7	870.9	846.2	825.8	807.1	795.5	790.0	783.4	775.2	773.2
25°	890.3	852.3	826.1	801.5	783.3	766.2	758.2	751.2	744.8	738.9	736.8
27.5°	848.7	814.8	783.7	761.5	745.7	730.1	723.0	714.5	709.9	705.1	699.3
30°	819.7	784.9	757.6	736.3	719.1	705.3	697.8	691.9	687.6	683.3	680.1
32.5°	789.7	757.6	731.1	710.2	693.1	682.5	676.0	671.8	667.1	661.9	657.9
35°	750.2	714.9	689.2	671.1	657.7	649.7	642.1	638.4	633.0	633.0	628.8
37.5°	705.6	675.1	652.4	635.9	623.8	616.7	608.6	606.0	602.6	600.3	598.8
40°	679.1	650.7	629.3	612.8	599.9	594.1	587.6	583.4	581.2	578.5	577.4
42.5°	651.6	624.6	604.1	588.8	577.7	572.7	566.6	563.6	559.4	555.9	555.2
45°	610.1	583.8	565.1	552.9	543.2	537.3	533.6	527.2	525.1	520.8	520.2
47.5°	570.6	545.5	527.1	517.1	508.6	503.7	497.9	491.5	489.0	486.9	486.6
50°	541.1	518.1	501.0	491.4	483.4	476.4	470.6	466.3	464.6	464.6	465.7
52.5°	511.2	491.5	477.1	465.2	457.7	450.3	444.9	442.3	439.8	442.4	444.3
55°	467.3	447.5	436.8	425.6	418.1	409.6	406.9	405.8	404.3	408.5	410.7
57.5°	420.9	407.0	394.5	383.3	376.6	371.7	368.0	367.4	370.4	372.5	379.4
60°	391.4	375.3	364.1	355.5	347.5	344.4	343.3	342.2	344.4	350.2	359.3
62.5°	358.9	345.9	333.7	327.3	321.5	316.1	315.9	316.6	320.8	327.6	336.6
65°	311.2	299.9	291.9	284.5	279.6	276.4	277.5	279.6	284.5	293.5	303.7
67.5°	262.8	255.1	247.9	241.8	237.2	237.2	238.3	241.5	247.2	257.6	266.9
70°	231.6	223.0	217.1	214.4	210.6	208.5	211.8	217.1	221.9	231.6	239.6
72.5°	200.3	193.1	188.5	186.6	185.0	183.3	184.3	190.1	196.6	206.3	215.6
75°	154.0	151.3	148.1	146.0	144.3	145.4	146.5	151.9	157.2	167.4	178.1
77.5°	112.4	109.6	107.7	107.2	106.3	106.9	109.8	113.8	119.0	126.4	134.5
80°	85.0	84.0	82.9	82.3	82.3	82.9	87.1	89.8	94.7	101.6	108.0
82.5°	61.9	61.2	61.1	60.9	61.4	61.5	64.1	67.6	71.5	76.8	82.3
85°	32.6	31.5	33.1	33.7	32.6	34.2	35.3	37.4	39.1	41.7	44.4
87.5°	11.7	12.8	12.5	13.2	13.3	14.4	14.1	15.9	17.0	17.9	17.6
90°	5.0	6.0	7.1	8.0	9.0	9.9	10.6	11.2	12.0	12.7	13.2
92.5°	18.1	19.0	20.2	21.4	22.6	23.8	24.7	25.6	26.5	27.4	28.0
95°	41.4	42.2	43.6	44.9	46.3	47.7	48.6	49.6	50.6	51.6	52.2
97.5°	67.3	68.4	70.3	72.2	74.1	76.0	76.8	77.8	78.7	79.6	80.1
100°	86.7	87.6	89.4	91.2	93.0	94.7	96.0	97.3	98.5	99.7	100.5
102.5°	110.3	111.0	111.9	112.8	113.7	114.6	116.0	117.3	118.7	120.0	120.9
105°	144.0	144.7	145.6	146.4	147.2	148.1	148.9	149.7	150.5	151.4	151.9
107.5°	180.7	181.3	182.0	182.6	183.2	183.9	184.3	184.7	185.1	185.5	185.7
110°	206.0	206.5	206.9	207.3	207.7	208.1	208.6	209.0	209.4	209.8	209.9



TEST NUMBER: P333269-927

CATALOG NUMBER: S125DIP-S1090D810U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	230.4	230.8	231.3	231.9	232.4	232.9	233.1	233.3	233.5	233.7	233.7
115°	269.2	269.6	269.9	270.1	270.5	270.7	270.5	270.5	270.3	270.1	270.0
117.5°	306.1	306.4	306.7	306.9	307.1	307.4	307.4	307.6	307.7	307.8	307.6
120°	331.7	332.1	332.2	332.4	332.5	332.6	332.6	332.6	332.6	332.6	332.4
122.5°	355.7	356.0	356.3	356.7	357.0	357.4	357.3	357.2	357.1	357.0	356.7
125°	392.9	393.4	393.6	393.7	393.8	394.0	393.7	393.4	393.2	392.8	392.7
127.5°	428.6	429.0	429.1	429.3	429.5	429.7	429.5	429.4	429.2	429.1	428.9
130°	451.9	452.3	452.6	452.9	453.1	453.4	453.3	453.1	453.0	452.9	452.7
132.5°	475.9	476.4	476.4	476.3	476.3	476.3	476.1	475.9	475.8	475.7	475.4
135°	510.0	510.5	510.6	510.8	510.9	511.0	511.0	511.0	511.0	511.0	510.8
137.5°	543.1	543.7	544.0	544.2	544.5	544.9	545.0	545.2	545.3	545.5	545.3
140°	564.0	564.5	564.9	565.4	565.8	566.2	566.5	566.7	567.0	567.3	567.0
142.5°	584.9	585.4	585.9	586.5	586.9	587.5	587.6	587.8	588.0	588.1	587.9
145°	616.1	616.6	617.0	617.3	617.8	618.2	618.2	618.2	618.2	618.2	618.0
147.5°	644.0	644.4	644.8	645.1	645.4	645.7	646.0	646.3	646.7	647.1	646.7
150°	661.6	661.9	662.4	663.0	663.5	664.1	664.1	664.1	664.1	664.1	663.9
152.5°	678.8	679.1	679.2	679.5	679.7	679.9	680.2	680.6	680.9	681.2	681.1
155°	702.4	702.5	702.7	702.8	702.9	703.1	703.6	704.2	704.7	705.3	705.2
157.5°	723.0	722.9	723.1	723.3	723.3	723.5	724.1	724.6	725.2	725.7	725.6
160°	735.5	735.4	735.5	735.6	735.8	735.9	736.5	737.0	737.5	738.1	738.1
162.5°	747.3	747.2	747.2	747.3	747.3	747.3	748.0	748.6	749.3	750.0	749.9
165°	762.7	762.6	762.7	762.9	763.0	763.2	763.7	764.3	764.9	765.3	765.2
167.5°	774.4	774.2	774.2	774.2	774.2	774.2	775.0	775.9	776.7	777.5	777.4
170°	781.4	781.1	781.1	781.1	781.1	781.1	782.0	782.8	783.6	784.4	784.3
172.5°	786.3	786.1	786.1	786.1	786.1	786.1	786.9	787.7	788.5	789.4	789.4
175°	791.9	791.6	791.6	791.6	791.6	791.6	792.5	793.3	794.2	795.0	794.9
177.5°	795.2	795.0	794.9	794.7	794.6	794.5	795.2	795.8	796.5	797.2	797.1
180°	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0



TEST NUMBER: P333269-927

CATALOG NUMBER: S125DIP-S1090D810U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1200.2	1203.2	1200.7	1204.1	1200.7	1203.2	1200.2	1202.8	1206.7	1204.1	1210.1
5°	1106.3	1101.5	1104.6	1102.5	1104.6	1101.5	1106.3	1108.9	1115.3	1117.5	1121.7
7.5°	1019.5	1014.9	1009.6	1007.1	1009.6	1014.9	1019.5	1021.0	1026.5	1034.5	1040.6
10°	965.1	959.3	958.7	955.0	958.7	959.3	965.1	971.0	974.7	984.9	991.8
12.5°	925.3	919.9	913.8	912.2	913.8	919.9	925.3	930.3	931.5	942.9	947.8
15°	868.9	864.6	860.9	864.0	860.9	864.6	868.9	872.0	878.0	886.0	891.3
17.5°	821.9	818.4	817.8	813.8	817.8	818.4	821.9	823.7	833.4	838.6	847.8
20°	792.4	789.7	790.8	783.9	790.8	789.7	792.4	797.3	806.8	809.5	819.1
22.5°	768.9	763.7	763.0	761.6	763.0	763.7	768.9	773.2	775.2	783.4	790.0
25°	732.0	729.3	726.7	729.3	726.7	729.3	732.0	736.8	738.9	744.8	751.2
27.5°	699.8	696.6	695.9	696.2	695.9	696.6	699.8	699.3	705.1	709.9	714.5
30°	680.1	674.8	675.3	674.8	675.3	674.8	680.1	680.1	683.3	687.6	691.9
32.5°	658.7	655.1	654.3	653.4	654.3	655.1	658.7	657.9	661.9	667.1	671.8
35°	627.2	627.2	624.5	624.5	624.5	627.2	627.2	628.8	633.0	633.0	638.4
37.5°	597.5	597.0	595.4	595.6	595.4	597.0	597.5	598.8	600.3	602.6	606.0
40°	575.3	574.8	573.1	570.0	573.1	574.8	575.3	577.4	578.5	581.2	583.4
42.5°	553.9	552.2	551.4	550.3	551.4	552.2	553.9	555.2	555.9	559.4	563.6
45°	520.2	520.2	519.2	518.6	519.2	520.2	520.2	520.2	520.8	525.1	527.2
47.5°	487.5	488.5	490.5	490.2	490.5	488.5	487.5	486.6	486.9	489.0	491.5
50°	467.9	468.4	470.0	470.6	470.0	468.4	467.9	465.7	464.6	464.6	466.3
52.5°	446.0	449.2	451.1	450.8	451.1	449.2	446.0	444.3	442.4	439.8	442.3
55°	415.4	419.2	422.9	423.5	422.9	419.2	415.4	410.7	408.5	404.3	405.8
57.5°	385.2	390.4	394.3	395.7	394.3	390.4	385.2	379.4	372.5	370.4	367.4
60°	364.6	371.6	376.4	378.6	376.4	371.6	364.6	359.3	350.2	344.4	342.2
62.5°	345.0	352.8	357.6	358.0	357.6	352.8	345.0	336.6	327.6	320.8	316.6
65°	312.8	320.8	325.1	328.3	325.1	320.8	312.8	303.7	293.5	284.5	279.6
67.5°	278.1	286.1	290.9	293.4	290.9	286.1	278.1	266.9	257.6	247.2	241.5
70°	252.9	260.9	267.4	269.5	267.4	260.9	252.9	239.6	231.6	221.9	217.1
72.5°	228.1	235.3	240.4	243.0	240.4	235.3	228.1	215.6	206.3	196.6	190.1
75°	185.0	194.6	199.5	202.1	199.5	194.6	185.0	178.1	167.4	157.2	151.9
77.5°	142.7	151.4	154.3	155.7	154.3	151.4	142.7	134.5	126.4	119.0	113.8
80°	114.4	119.8	123.5	124.1	123.5	119.8	114.4	108.0	101.6	94.7	89.8
82.5°	87.9	92.4	93.6	95.0	93.6	92.4	87.9	82.3	76.8	71.5	67.6
85°	48.1	50.2	50.8	50.2	50.8	50.2	48.1	44.4	41.7	39.1	37.4
87.5°	18.5	18.2	18.3	19.3	18.3	18.2	18.5	17.6	17.9	17.0	15.9
90°	13.6	14.0	14.4	14.9	14.4	14.0	13.6	13.2	12.7	12.0	11.2
92.5°	28.4	28.6	28.9	29.2	28.9	28.6	28.4	28.0	27.4	26.5	25.6
95°	52.4	52.8	53.0	53.2	53.0	52.8	52.4	52.2	51.6	50.6	49.6
97.5°	80.2	80.4	80.6	80.8	80.6	80.4	80.2	80.1	79.6	78.7	77.8
100°	100.8	101.0	101.3	101.6	101.3	101.0	100.8	100.5	99.7	98.5	97.3
102.5°	121.3	121.6	122.0	122.4	122.0	121.6	121.3	120.9	120.0	118.7	117.3
105°	152.4	152.8	153.2	153.6	153.2	152.8	152.4	151.9	151.4	150.5	149.7
107.5°	185.7	185.6	185.6	185.6	185.6	185.6	185.7	185.7	185.5	185.1	184.7
110°	209.8	209.6	209.5	209.4	209.5	209.6	209.8	209.9	209.8	209.4	209.0



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	233.4	233.1	232.9	232.7	232.9	233.1	233.4	233.7	233.7	233.5	233.3
115°	269.9	269.7	269.6	269.5	269.6	269.7	269.9	270.0	270.1	270.3	270.5
117.5°	307.0	306.5	305.9	305.4	305.9	306.5	307.0	307.6	307.8	307.7	307.6
120°	331.8	331.3	330.7	330.2	330.7	331.3	331.8	332.4	332.6	332.6	332.6
122.5°	356.2	355.8	355.4	355.0	355.4	355.8	356.2	356.7	357.0	357.1	357.2
125°	392.5	392.4	392.3	392.1	392.3	392.4	392.5	392.7	392.8	393.2	393.4
127.5°	428.6	428.3	428.1	427.8	428.1	428.3	428.6	428.9	429.1	429.2	429.4
130°	452.4	452.1	451.9	451.5	451.9	452.1	452.4	452.7	452.9	453.0	453.1
132.5°	475.1	474.7	474.3	473.9	474.3	474.7	475.1	475.4	475.7	475.8	475.9
135°	510.2	509.7	509.1	508.6	509.1	509.7	510.2	510.8	511.0	511.0	511.0
137.5°	544.5	543.9	543.2	542.5	543.2	543.9	544.5	545.3	545.5	545.3	545.2
140°	566.4	565.7	565.0	564.4	565.0	565.7	566.4	567.0	567.3	567.0	566.7
142.5°	587.2	586.5	585.8	585.1	585.8	586.5	587.2	587.9	588.1	588.0	587.8
145°	617.6	617.2	616.8	616.3	616.8	617.2	617.6	618.0	618.2	618.2	618.2
147.5°	645.8	644.8	644.0	643.0	644.0	644.8	645.8	646.7	647.1	646.7	646.3
150°	663.6	663.4	663.1	662.8	663.1	663.4	663.6	663.9	664.1	664.1	664.1
152.5°	680.6	680.2	679.7	679.1	679.7	680.2	680.6	681.1	681.2	680.9	680.6
155°	704.5	703.9	703.1	702.4	703.1	703.9	704.5	705.2	705.3	704.7	704.2
157.5°	724.6	723.7	722.8	721.9	722.8	723.7	724.6	725.6	725.7	725.2	724.6
160°	737.4	736.7	735.9	735.3	735.9	736.7	737.4	738.1	738.1	737.5	737.0
162.5°	749.1	748.3	747.5	746.7	747.5	748.3	749.1	749.9	750.0	749.3	748.6
165°	764.4	763.6	762.7	761.9	762.7	763.6	764.4	765.2	765.3	764.9	764.3
167.5°	776.7	775.8	774.9	774.0	774.9	775.8	776.7	777.4	777.5	776.7	775.9
170°	783.4	782.4	781.5	780.5	781.5	782.4	783.4	784.3	784.4	783.6	782.8
172.5°	788.5	787.7	786.8	785.9	786.8	787.7	788.5	789.4	789.4	788.5	787.7
175°	793.9	793.0	792.0	791.1	792.0	793.0	793.9	794.9	795.0	794.2	793.3
177.5°	796.3	795.6	794.8	794.0	794.8	795.6	796.3	797.1	797.2	796.5	795.8
180°	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0



TEST NUMBER: P333269-927

CATALOG NUMBER: S125DIP-S1090D810U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1204.5	1209.7	1216.1	1220.8	1229.3	1233.2	1237.9	1241.7	1248.6	1255.0	1262.7
5°	1123.4	1132.4	1144.8	1158.1	1173.6	1184.3	1199.3	1208.4	1226.5	1243.2	1259.2
7.5°	1049.8	1060.9	1078.3	1095.4	1115.8	1134.2	1152.9	1173.6	1196.8	1224.2	1246.9
10°	999.3	1014.3	1033.0	1054.4	1079.0	1100.3	1125.5	1148.0	1176.3	1208.4	1238.3
12.5°	959.1	971.9	992.8	1013.4	1039.7	1065.7	1091.7	1121.4	1154.5	1190.0	1227.6
15°	903.6	914.3	931.4	959.7	986.5	1012.2	1051.2	1079.0	1120.7	1160.2	1205.7
17.5°	856.3	869.5	883.9	908.2	935.9	968.0	1002.8	1037.7	1077.9	1128.1	1179.3
20°	827.1	837.8	854.4	873.1	902.5	934.6	967.8	1003.1	1052.3	1104.1	1159.2
22.5°	795.5	807.1	825.8	846.2	870.9	901.7	938.3	977.0	1028.3	1079.3	1139.1
25°	758.2	766.2	783.3	801.5	826.1	852.3	890.3	933.0	983.8	1042.1	1103.0
27.5°	723.0	730.1	745.7	761.5	783.7	814.8	848.7	892.0	939.8	998.9	1066.5
30°	697.8	705.3	719.1	736.3	757.6	784.9	819.7	860.3	911.6	969.4	1040.0
32.5°	676.0	682.5	693.1	710.2	731.1	757.6	789.7	831.2	882.6	941.1	1010.4
35°	642.1	649.7	657.7	671.1	689.2	714.9	750.2	789.2	838.4	895.1	958.7
37.5°	608.6	616.7	623.8	635.9	652.4	675.1	705.6	746.2	790.7	845.3	906.4
40°	587.6	594.1	599.9	612.8	629.3	650.7	679.1	715.4	762.5	813.3	864.0
42.5°	566.6	572.7	577.7	588.8	604.1	624.6	651.6	687.1	730.8	778.2	823.0
45°	533.6	537.3	543.2	552.9	565.1	583.8	610.1	641.6	678.5	723.4	757.1
47.5°	497.9	503.7	508.6	517.1	527.1	545.5	570.6	597.5	630.9	664.3	688.0
50°	470.6	476.4	483.4	491.4	501.0	518.1	541.1	568.4	596.7	622.3	642.7
52.5°	444.9	450.3	457.7	465.2	477.1	491.5	511.2	535.4	563.3	581.7	598.7
55°	406.9	409.6	418.1	425.6	436.8	447.5	467.3	488.7	505.8	519.8	533.6
57.5°	368.0	371.7	376.6	383.3	394.5	407.0	420.9	439.8	449.9	457.0	467.9
60°	343.3	344.4	347.5	355.5	364.1	375.3	391.4	404.7	412.3	418.1	427.2
62.5°	315.9	316.1	321.5	327.3	333.7	345.9	358.9	369.7	375.9	378.7	387.5
65°	277.5	276.4	279.6	284.5	291.9	299.9	311.2	320.8	320.3	323.4	328.8
67.5°	238.3	237.2	237.2	241.8	247.9	255.1	262.8	268.3	268.4	272.7	275.4
70°	211.8	208.5	210.6	214.4	217.1	223.0	231.6	233.7	234.2	236.3	239.0
72.5°	184.3	183.3	185.0	186.6	188.5	193.1	200.3	201.6	201.7	203.0	207.3
75°	146.5	145.4	144.3	146.0	148.1	151.3	154.0	156.1	155.6	156.1	159.3
77.5°	109.8	106.9	106.3	107.2	107.7	109.6	112.4	112.2	112.7	112.6	116.2
80°	87.1	82.9	82.3	82.3	82.9	84.0	85.0	86.1	84.4	86.1	87.1
82.5°	64.1	61.5	61.4	60.9	61.1	61.2	61.9	62.6	62.3	63.0	63.6
85°	35.3	34.2	32.6	33.7	33.1	31.5	32.6	31.0	30.5	31.0	31.5
87.5°	14.1	14.4	13.3	13.2	12.5	12.8	11.7	11.0	10.4	10.6	11.6
90°	10.6	9.9	9.0	8.0	7.1	6.0	5.0	4.0	2.9	1.7	0.6
92.5°	24.7	23.8	22.6	21.4	20.2	19.0	18.1	17.3	16.6	15.8	15.0
95°	48.6	47.7	46.3	44.9	43.6	42.2	41.4	41.1	40.8	40.6	40.2
97.5°	76.8	76.0	74.1	72.2	70.3	68.4	67.3	67.3	67.1	67.0	66.9
100°	96.0	94.7	93.0	91.2	89.4	87.6	86.7	86.7	86.7	86.7	86.7
102.5°	116.0	114.6	113.7	112.8	111.9	111.0	110.3	109.7	109.2	108.6	108.1
105°	148.9	148.1	147.2	146.4	145.6	144.7	144.0	143.3	142.6	142.0	141.2
107.5°	184.3	183.9	183.2	182.6	182.0	181.3	180.7	180.0	179.3	178.6	177.9
110°	208.6	208.1	207.7	207.3	206.9	206.5	206.0	205.3	204.5	203.9	203.2



TEST NUMBER: P333269-927

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	233.1	232.9	232.4	231.9	231.3	230.8	230.4	230.0	229.7	229.3	228.9
115°	270.5	270.7	270.5	270.1	269.9	269.6	269.2	268.6	268.1	267.5	267.0
117.5°	307.4	307.4	307.1	306.9	306.7	306.4	306.1	305.9	305.6	305.4	305.1
120°	332.6	332.6	332.5	332.4	332.2	332.1	331.7	331.0	330.3	329.6	328.9
122.5°	357.3	357.4	357.0	356.7	356.3	356.0	355.7	355.5	355.2	355.0	354.7
125°	393.7	394.0	393.8	393.7	393.6	393.4	392.9	392.1	391.3	390.5	389.6
127.5°	429.5	429.7	429.5	429.3	429.1	429.0	428.6	428.2	427.7	427.3	426.8
130°	453.3	453.4	453.1	452.9	452.6	452.3	451.9	451.1	450.5	449.8	449.1
132.5°	476.1	476.3	476.3	476.3	476.4	476.4	475.9	474.8	473.6	472.5	471.4
135°	511.0	511.0	510.9	510.8	510.6	510.5	510.0	509.2	508.3	507.6	506.7
137.5°	545.0	544.9	544.5	544.2	544.0	543.7	543.1	542.3	541.5	540.7	540.0
140°	566.5	566.2	565.8	565.4	564.9	564.5	564.0	563.3	562.6	561.9	561.3
142.5°	587.6	587.5	586.9	586.5	585.9	585.4	584.9	584.2	583.7	583.1	582.6
145°	618.2	618.2	617.8	617.3	617.0	616.6	616.1	615.5	615.0	614.4	613.9
147.5°	646.0	645.7	645.4	645.1	644.8	644.4	644.0	643.8	643.5	643.2	642.9
150°	664.1	664.1	663.5	663.0	662.4	661.9	661.6	661.8	661.9	662.0	662.2
152.5°	680.2	679.9	679.7	679.5	679.2	679.1	678.8	678.7	678.4	678.3	678.0
155°	703.6	703.1	702.9	702.8	702.7	702.5	702.4	702.4	702.4	702.4	702.4
157.5°	724.1	723.5	723.3	723.3	723.1	722.9	723.0	723.3	723.7	724.0	724.3
160°	736.5	735.9	735.8	735.6	735.5	735.4	735.5	735.9	736.3	736.7	737.1
162.5°	748.0	747.3	747.3	747.3	747.2	747.2	747.3	747.7	747.9	748.2	748.5
165°	763.7	763.2	763.0	762.9	762.7	762.6	762.7	763.0	763.3	763.5	763.8
167.5°	775.0	774.2	774.2	774.2	774.2	774.2	774.4	775.0	775.5	776.1	776.7
170°	782.0	781.1	781.1	781.1	781.1	781.1	781.4	782.0	782.5	783.1	783.6
172.5°	786.9	786.1	786.1	786.1	786.1	786.1	786.3	786.9	787.4	788.0	788.5
175°	792.5	791.6	791.6	791.6	791.6	791.6	791.9	792.5	793.1	793.6	794.2
177.5°	795.2	794.5	794.6	794.7	794.9	795.0	795.2	795.7	796.1	796.5	797.0
180°	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0



TEST NUMBER: P333269-927

CATALOG NUMBER: S125DIP-S1090D810U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1266.5	1272.6	1276.4	1283.7	1289.7	1293.1	1296.1	1298.6	1301.6	1304.2	1311.5
5°	1274.7	1288.6	1300.4	1318.5	1335.1	1348.0	1361.8	1374.1	1384.3	1398.8	1409.9
7.5°	1271.1	1295.9	1321.8	1349.9	1378.6	1405.3	1430.0	1452.9	1473.8	1499.0	1521.1
10°	1267.7	1301.4	1334.6	1372.5	1411.6	1444.7	1475.8	1507.3	1530.3	1562.3	1589.6
12.5°	1265.2	1304.8	1344.8	1390.5	1433.4	1480.2	1521.5	1544.5	1579.5	1605.1	1637.5
15°	1254.3	1306.8	1361.8	1413.2	1474.1	1517.4	1553.8	1598.7	1631.3	1663.9	1699.2
17.5°	1235.0	1294.3	1356.0	1423.2	1481.7	1528.2	1575.1	1618.3	1657.3	1701.1	1745.0
20°	1226.1	1285.4	1356.0	1424.9	1482.2	1530.8	1578.9	1626.5	1669.3	1725.5	1776.2
22.5°	1207.2	1279.0	1344.0	1411.3	1470.1	1523.1	1577.6	1631.7	1688.5	1751.9	1815.6
25°	1173.6	1246.3	1315.3	1381.6	1441.0	1507.3	1565.6	1637.8	1710.5	1794.4	1873.5
27.5°	1138.8	1208.4	1271.6	1335.6	1404.9	1479.9	1555.5	1637.4	1732.6	1838.6	1950.2
30°	1110.6	1176.3	1237.8	1303.5	1375.7	1460.2	1543.1	1640.4	1750.6	1869.8	2002.4
32.5°	1077.6	1138.2	1198.0	1267.7	1346.2	1435.4	1532.0	1638.7	1771.1	1906.5	2043.0
35°	1021.3	1072.1	1133.5	1207.8	1296.6	1398.8	1510.5	1636.6	1788.5	1944.1	2059.0
37.5°	954.4	1001.7	1066.5	1148.0	1241.0	1350.6	1483.2	1632.9	1794.2	1918.3	1955.3
40°	909.5	953.3	1020.7	1105.2	1200.4	1316.4	1461.8	1620.1	1776.2	1855.4	1824.9
42.5°	861.6	907.6	973.2	1056.9	1159.3	1285.6	1434.9	1593.2	1724.0	1754.0	1648.6
45°	786.0	833.5	898.3	982.8	1092.9	1229.8	1385.4	1529.2	1604.6	1550.6	1387.5
47.5°	715.7	760.3	820.3	907.4	1021.1	1162.7	1312.6	1427.3	1433.3	1304.4	1130.2
50°	667.8	709.0	769.4	856.6	969.4	1112.7	1247.9	1338.3	1297.7	1151.7	984.4
52.5°	620.8	661.1	720.6	806.9	918.5	1049.8	1175.7	1239.1	1162.5	1012.7	869.7
55°	552.9	588.1	646.4	726.1	831.9	953.9	1060.8	1082.8	983.3	835.7	719.7
57.5°	486.6	519.5	572.5	645.9	742.7	850.6	934.3	929.6	824.5	697.8	605.8
60°	441.6	473.7	520.8	592.4	680.6	773.7	845.3	828.2	724.0	614.9	537.3
62.5°	401.5	430.1	474.6	537.3	617.7	703.9	762.8	737.5	635.4	540.0	478.8
65°	342.2	366.2	404.3	457.7	524.5	595.6	641.1	608.5	521.3	447.0	397.8
67.5°	285.7	304.9	336.8	379.4	436.4	493.5	521.2	488.4	418.7	364.4	328.0
70°	249.7	266.8	291.4	329.4	379.1	427.2	448.1	418.7	358.8	312.3	286.1
72.5°	213.7	227.9	249.5	283.6	323.4	365.2	383.5	355.4	306.2	266.9	242.4
75°	165.2	174.8	189.8	213.3	244.9	278.1	288.2	263.6	232.0	202.6	186.6
77.5°	118.3	126.4	137.8	152.6	174.9	196.0	204.9	190.7	166.3	147.7	134.5
80°	90.9	95.1	104.8	117.1	134.8	148.1	154.0	144.9	127.8	113.9	103.7
82.5°	64.8	69.1	74.9	85.0	96.3	105.4	111.6	105.5	93.2	82.2	76.4
85°	31.5	34.2	37.4	41.7	50.2	55.6	55.1	51.3	46.5	42.2	39.1
87.5°	11.5	12.1	13.6	16.0	17.4	19.4	20.4	19.7	18.2	17.1	15.9
90°	1.7	2.9	4.0	5.0	6.0	7.1	8.0	9.0	9.9	10.6	11.2
92.5°	15.8	16.6	17.3	18.1	19.0	20.2	21.4	22.6	23.8	24.7	25.6
95°	40.6	40.8	41.1	41.4	42.2	43.6	44.9	46.3	47.7	48.6	49.6
97.5°	67.0	67.1	67.3	67.3	68.4	70.3	72.2	74.1	76.0	76.8	77.8
100°	86.7	86.7	86.7	86.7	87.6	89.4	91.2	93.0	94.7	96.0	97.3
102.5°	108.6	109.2	109.7	110.3	111.0	111.9	112.8	113.7	114.6	116.0	117.3
105°	142.0	142.6	143.3	144.0	144.7	145.6	146.4	147.2	148.1	148.9	149.7
107.5°	178.6	179.3	180.0	180.7	181.3	182.0	182.6	183.2	183.9	184.3	184.7
110°	203.9	204.5	205.3	206.0	206.5	206.9	207.3	207.7	208.1	208.6	209.0



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	229.3	229.7	230.0	230.4	230.8	231.3	231.9	232.4	232.9	233.1	233.3
115°	267.5	268.1	268.6	269.2	269.6	269.9	270.1	270.5	270.7	270.5	270.5
117.5°	305.4	305.6	305.9	306.1	306.4	306.7	306.9	307.1	307.4	307.4	307.6
120°	329.6	330.3	331.0	331.7	332.1	332.2	332.4	332.5	332.6	332.6	332.6
122.5°	355.0	355.2	355.5	355.7	356.0	356.3	356.7	357.0	357.4	357.3	357.2
125°	390.5	391.3	392.1	392.9	393.4	393.6	393.7	393.8	394.0	393.7	393.4
127.5°	427.3	427.7	428.2	428.6	429.0	429.1	429.3	429.5	429.7	429.5	429.4
130°	449.8	450.5	451.1	451.9	452.3	452.6	452.9	453.1	453.4	453.3	453.1
132.5°	472.5	473.6	474.8	475.9	476.4	476.4	476.3	476.3	476.3	476.1	475.9
135°	507.6	508.3	509.2	510.0	510.5	510.6	510.8	510.9	511.0	511.0	511.0
137.5°	540.7	541.5	542.3	543.1	543.7	544.0	544.2	544.5	544.9	545.0	545.2
140°	561.9	562.6	563.3	564.0	564.5	564.9	565.4	565.8	566.2	566.5	566.7
142.5°	583.1	583.7	584.2	584.9	585.4	585.9	586.5	586.9	587.5	587.6	587.8
145°	614.4	615.0	615.5	616.1	616.6	617.0	617.3	617.8	618.2	618.2	618.2
147.5°	643.2	643.5	643.8	644.0	644.4	644.8	645.1	645.4	645.7	646.0	646.3
150°	662.0	661.9	661.8	661.6	661.9	662.4	663.0	663.5	664.1	664.1	664.1
152.5°	678.3	678.4	678.7	678.8	679.1	679.2	679.5	679.7	679.9	680.2	680.6
155°	702.4	702.4	702.4	702.4	702.5	702.7	702.8	702.9	703.1	703.6	704.2
157.5°	724.0	723.7	723.3	723.0	722.9	723.1	723.3	723.3	723.5	724.1	724.6
160°	736.7	736.3	735.9	735.5	735.4	735.5	735.6	735.8	735.9	736.5	737.0
162.5°	748.2	747.9	747.7	747.3	747.2	747.2	747.3	747.3	747.3	748.0	748.6
165°	763.5	763.3	763.0	762.7	762.6	762.7	762.9	763.0	763.2	763.7	764.3
167.5°	776.1	775.5	775.0	774.4	774.2	774.2	774.2	774.2	774.2	775.0	775.9
170°	783.1	782.5	782.0	781.4	781.1	781.1	781.1	781.1	781.1	782.0	782.8
172.5°	788.0	787.4	786.9	786.3	786.1	786.1	786.1	786.1	786.1	786.9	787.7
175°	793.6	793.1	792.5	791.9	791.6	791.6	791.6	791.6	791.6	792.5	793.3
177.5°	796.5	796.1	795.7	795.2	795.0	794.9	794.7	794.6	794.5	795.2	795.8
180°	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1317.5	1320.9	1328.2	1325.6	1329.0	1330.7	1332.5
5°	1423.9	1441.0	1448.4	1447.4	1458.6	1456.0	1453.3
7.5°	1544.0	1562.0	1572.1	1584.6	1591.9	1592.4	1598.7
10°	1612.1	1635.6	1645.2	1658.6	1667.1	1672.0	1671.4
12.5°	1664.3	1682.7	1704.2	1710.8	1722.4	1728.4	1726.2
15°	1727.0	1756.4	1778.9	1790.1	1804.6	1808.9	1814.7
17.5°	1783.0	1822.5	1848.7	1883.6	1896.7	1904.7	1900.0
20°	1825.4	1877.3	1903.5	1945.2	1968.2	1980.5	1976.2
22.5°	1875.5	1931.6	1980.1	2016.2	2051.1	2067.8	2071.2
25°	1961.2	2038.2	2109.3	2157.0	2200.2	2210.3	2232.8
27.5°	2057.1	2147.8	2223.9	2273.9	2304.1	2315.4	2322.4
30°	2117.3	2207.7	2264.9	2297.0	2306.6	2305.6	2304.5
32.5°	2146.9	2203.5	2214.5	2205.4	2183.4	2164.8	2145.4
35°	2105.1	2062.8	1999.7	1918.4	1858.5	1798.2	1792.2
37.5°	1893.2	1758.2	1653.1	1535.8	1468.2	1426.3	1397.5
40°	1693.8	1540.4	1413.2	1314.2	1245.3	1218.0	1191.3
42.5°	1477.4	1330.9	1218.1	1135.4	1083.6	1053.4	1032.1
45°	1200.4	1071.0	982.8	922.9	881.7	858.2	844.8
47.5°	983.6	887.9	812.9	769.8	741.3	723.0	723.1
50°	867.3	775.9	726.1	691.9	667.3	652.8	655.5
52.5°	764.1	695.9	653.4	624.7	606.6	597.7	597.4
55°	639.0	589.8	562.0	541.1	528.8	518.6	520.8
57.5°	546.5	505.1	486.5	469.1	460.6	456.5	450.6
60°	489.3	457.2	441.1	427.2	418.7	415.4	409.6
62.5°	438.3	413.1	397.5	386.1	378.4	377.4	372.8
65°	368.4	349.1	335.3	329.9	321.9	319.7	319.7
67.5°	303.7	289.9	279.1	274.2	270.7	271.2	268.6
70°	263.1	251.8	244.9	239.6	236.9	237.4	235.3
72.5°	230.1	217.6	211.5	208.3	204.8	206.2	205.3
75°	174.3	167.9	164.7	161.4	159.3	158.3	157.2
77.5°	128.0	122.3	119.9	118.0	118.4	115.8	117.9
80°	98.9	94.1	92.5	89.8	89.3	89.3	88.7
82.5°	72.4	69.7	68.5	66.3	65.4	66.2	64.8
85°	37.4	35.3	34.8	34.8	33.7	32.6	35.3
87.5°	16.1	14.5	14.7	14.3	14.3	14.0	13.2
90°	12.0	12.7	13.2	13.6	14.0	14.4	14.9
92.5°	26.5	27.4	28.0	28.4	28.6	28.9	29.2
95°	50.6	51.6	52.2	52.4	52.8	53.0	53.2
97.5°	78.7	79.6	80.1	80.2	80.4	80.6	80.8
100°	98.5	99.7	100.5	100.8	101.0	101.3	101.6
102.5°	118.7	120.0	120.9	121.3	121.6	122.0	122.4
105°	150.5	151.4	151.9	152.4	152.8	153.2	153.6
107.5°	185.1	185.5	185.7	185.7	185.6	185.6	185.6
110°	209.4	209.8	209.9	209.8	209.6	209.5	209.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	233.5	233.7	233.7	233.4	233.1	232.9	232.7
115°	270.3	270.1	270.0	269.9	269.7	269.6	269.5
117.5°	307.7	307.8	307.6	307.0	306.5	305.9	305.4
120°	332.6	332.6	332.4	331.8	331.3	330.7	330.2
122.5°	357.1	357.0	356.7	356.2	355.8	355.4	355.0
125°	393.2	392.8	392.7	392.5	392.4	392.3	392.1
127.5°	429.2	429.1	428.9	428.6	428.3	428.1	427.8
130°	453.0	452.9	452.7	452.4	452.1	451.9	451.5
132.5°	475.8	475.7	475.4	475.1	474.7	474.3	473.9
135°	511.0	511.0	510.8	510.2	509.7	509.1	508.6
137.5°	545.3	545.5	545.3	544.5	543.9	543.2	542.5
140°	567.0	567.3	567.0	566.4	565.7	565.0	564.4
142.5°	588.0	588.1	587.9	587.2	586.5	585.8	585.1
145°	618.2	618.2	618.0	617.6	617.2	616.8	616.3
147.5°	646.7	647.1	646.7	645.8	644.8	644.0	643.0
150°	664.1	664.1	663.9	663.6	663.4	663.1	662.8
152.5°	680.9	681.2	681.1	680.6	680.2	679.7	679.1
155°	704.7	705.3	705.2	704.5	703.9	703.1	702.4
157.5°	725.2	725.7	725.6	724.6	723.7	722.8	721.9
160°	737.5	738.1	738.1	737.4	736.7	735.9	735.3
162.5°	749.3	750.0	749.9	749.1	748.3	747.5	746.7
165°	764.9	765.3	765.2	764.4	763.6	762.7	761.9
167.5°	776.7	777.5	777.4	776.7	775.8	774.9	774.0
170°	783.6	784.4	784.3	783.4	782.4	781.5	780.5
172.5°	788.5	789.4	789.4	788.5	787.7	786.8	785.9
175°	794.2	795.0	794.9	793.9	793.0	792.0	791.1
177.5°	796.5	797.2	797.1	796.3	795.6	794.8	794.0
180°	796.0	796.0	796.0	796.0	796.0	796.0	796.0

(END OF REPORT)