

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: P333252-940

Luminaire Tested: **S125DIP-S1090D365U940-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333252-940  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125DIP-S1090D365U940-4F0-1E-UDD-A4  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5174.3 lumens  
Efficiency: N/A  
Efficacy: 119.0 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

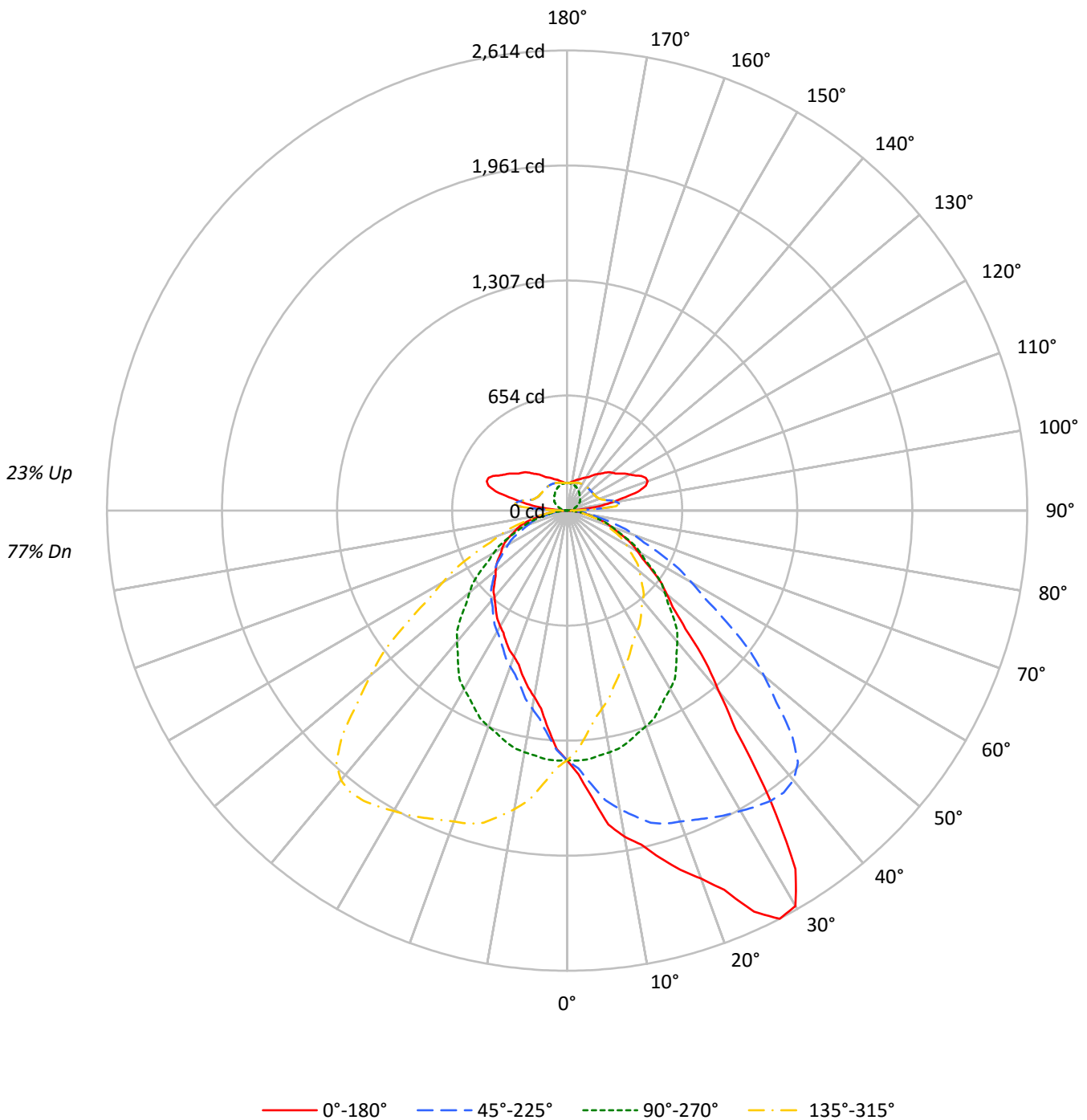
Input Watts (W): 43.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	114	114	114	108	108	108	108	99	99	99	90	90	90	81	81	81	77
1	104	100	96	92	99	95	92	89	87	84	82	79	77	75	72	71	69	66
2	95	88	81	76	91	84	78	74	77	72	68	70	67	64	64	61	59	56
3	87	77	70	64	83	74	67	62	68	62	58	62	58	54	57	54	51	47
4	80	69	61	54	76	66	59	53	61	55	50	56	51	47	51	47	44	41
5	74	62	53	47	70	59	51	46	54	48	43	50	45	41	46	42	38	36
6	68	55	47	41	65	53	46	40	49	43	38	46	40	36	42	37	34	31
7	63	50	42	36	60	48	41	35	45	38	34	41	36	32	38	34	30	28
8	59	46	38	32	56	44	37	31	41	35	30	38	32	28	35	31	27	25
9	55	42	34	29	52	40	33	28	38	31	27	35	30	26	33	28	24	22
10	51	39	31	26	49	37	30	25	35	29	24	32	27	23	30	26	22	20

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

	0°	90°	180°	270°
0°	9158	9158	9158	9158
5°	10605	9189	8045	9189
10°	12338	9141	7050	9141
15°	13658	9074	6503	9074
20°	15289	8968	6064	8968
25°	17910	8848	5850	8848
30°	19345	8730	5665	8730
35°	15906	8508	5542	8508
40°	11306	8200	5409	8200
45°	8685	7784	5332	7784
50°	7414	7268	5322	7268
55°	6600	6764	5368	6764
60°	5955	6212	5504	6212
65°	5500	5656	5647	5656
70°	5000	5080	5729	5080
75°	4414	4474	5677	4474
80°	3715	3649	5192	3649
85°	2942	2631	4187	2631



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	136.5	2.6
10°-20°	406.4	7.9
20°-30°	660.0	12.8
30°-40°	805.0	15.6
40°-50°	732.3	14.2
50°-60°	583.3	11.3
60°-70°	406.3	7.9
70°-80°	216.7	4.2
80°-90°	55.6	1.1
90°-100°	113.3	2.2
100°-110°	243.6	4.7
110°-120°	228.6	4.4
120°-130°	185.2	3.6
130°-140°	148.7	2.9
140°-150°	112.2	2.2
150°-160°	79.0	1.5
160°-170°	46.5	0.9
170°-180°	15.1	0.3
0°-30°	1202.9	23.2
0°-40°	2008.0	38.8
0°-60°	3323.6	64.2
0°-90°	4002.2	77.3
90°-120°	585.4	11.3
90°-150°	1031.5	19.9
90°-180°	1172.0	22.7
0°-180°	5174.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1418	1418	1418	1418	1418	
5°	1636	1417	1241	1417	1636	165
15°	2043	1357	973	1357	2043	585
25°	2513	1242	821	1242	2513	1148
35°	2017	1079	703	1079	2017	1235
45°	951	852	584	852	951	761
55°	586	601	477	601	586	528
65°	360	370	370	370	360	357
75°	177	179	228	179	177	191
85°	40	36	56	36	40	46
90°	7	0	7	0	7	7
95°	74	10	74	10	74	105
105°	418	36	418	36	418	415
115°	465	64	465	64	465	454
125°	366	88	366	88	366	332
135°	304	103	304	103	304	236
145°	240	120	240	120	240	153
155°	201	137	201	137	201	94
165°	176	150	176	150	176	50
175°	158	156	158	156	158	15
180°	156	156	156	156	156	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0
2.5°	1499.9	1497.9	1496.0	1492.1	1495.0	1486.8	1483.0	1476.2	1468.0	1465.2	1461.8
5°	1635.8	1638.9	1641.9	1629.2	1630.4	1622.0	1602.8	1587.1	1574.5	1558.2	1546.8
7.5°	1799.6	1792.4	1791.9	1783.7	1769.6	1758.3	1738.0	1712.3	1687.4	1658.9	1635.5
10°	1881.4	1882.0	1876.6	1867.0	1851.9	1841.1	1814.6	1789.3	1758.6	1722.5	1696.7
12.5°	1943.0	1945.5	1938.8	1925.7	1918.3	1894.1	1873.4	1843.3	1806.8	1777.9	1738.6
15°	2042.7	2036.1	2031.3	2015.0	2002.4	1977.1	1944.0	1912.7	1872.9	1836.3	1799.6
17.5°	2138.8	2144.0	2135.0	2120.2	2081.0	2051.5	2007.1	1964.3	1914.8	1865.5	1821.7
20°	2224.5	2229.3	2215.5	2189.6	2142.6	2113.2	2054.8	1999.4	1942.2	1879.0	1830.9
22.5°	2331.4	2327.5	2308.8	2269.5	2228.8	2174.3	2111.1	2043.7	1972.0	1900.7	1836.7
25°	2513.4	2488.1	2476.6	2428.0	2374.4	2294.3	2207.6	2108.9	2019.8	1925.4	1843.5
27.5°	2614.2	2606.3	2593.5	2559.6	2503.3	2417.7	2315.5	2195.2	2069.6	1950.3	1843.2
30°	2594.0	2595.2	2596.4	2585.6	2549.5	2485.1	2383.4	2254.0	2104.7	1970.5	1846.5
32.5°	2414.9	2436.8	2457.7	2482.5	2492.7	2480.3	2416.6	2299.7	2146.1	1993.6	1844.6
35°	2017.4	2024.1	2092.0	2159.5	2250.9	2322.0	2369.5	2317.7	2188.3	2013.2	1842.3
37.5°	1573.1	1605.5	1652.6	1728.8	1860.8	1979.1	2131.1	2201.0	2159.3	2019.6	1838.1
40°	1341.0	1371.0	1401.8	1479.3	1590.7	1733.9	1906.7	2054.1	2088.5	1999.4	1823.6
42.5°	1161.8	1185.7	1219.8	1278.1	1371.2	1498.1	1663.0	1855.7	1974.3	1940.6	1793.3
45°	950.9	966.0	992.5	1038.8	1106.3	1205.5	1351.2	1561.8	1745.4	1806.2	1721.4
47.5°	814.0	813.9	834.5	866.5	915.1	999.4	1107.1	1272.2	1468.3	1613.4	1606.6
50°	737.9	734.9	751.1	778.8	817.3	873.3	976.2	1108.0	1296.4	1460.7	1506.5
52.5°	672.4	672.8	682.8	703.2	735.5	783.3	860.1	979.0	1140.0	1308.6	1394.7
55°	586.2	583.8	595.2	609.1	632.6	663.9	719.3	810.1	940.7	1106.8	1218.8
57.5°	507.2	513.9	518.4	528.1	547.6	568.6	615.2	681.9	785.5	928.1	1046.4
60°	461.0	467.6	471.3	480.9	496.5	514.6	550.7	604.8	692.1	814.9	932.3
62.5°	419.6	424.8	426.0	434.6	447.5	465.0	493.4	539.0	607.9	715.2	830.2
65°	359.9	359.9	362.3	371.3	377.4	393.0	414.6	447.8	503.2	586.8	684.9
67.5°	302.4	305.2	304.7	308.6	314.1	326.4	341.9	369.2	410.2	471.3	549.7
70°	264.8	267.2	266.6	269.7	275.6	283.5	296.1	322.0	351.5	403.9	471.3
72.5°	231.1	232.1	230.5	234.5	238.1	245.0	259.0	272.9	300.4	344.6	400.0
75°	176.9	178.2	179.3	181.7	185.4	189.0	196.2	210.1	228.1	261.2	296.8
77.5°	132.7	130.4	133.2	132.9	134.9	137.7	144.1	151.4	166.2	187.2	214.6
80°	99.9	100.5	100.5	101.1	104.2	105.9	111.4	116.7	128.2	143.8	163.1
82.5°	72.9	74.5	73.6	74.6	77.1	78.5	81.5	86.0	92.6	104.9	118.8
85°	39.7	36.7	37.9	39.1	39.1	39.7	42.1	44.0	47.5	52.3	57.8
87.5°	13.0	14.0	14.4	14.4	14.9	14.7	16.6	16.6	17.9	19.3	21.1
90°	7.2	7.2	7.0	7.0	7.0	6.3	6.0	5.7	5.4	5.1	4.4
92.5°	20.1	20.6	21.0	21.8	25.9	30.5	40.5	55.8	82.2	101.6	103.3
95°	74.1	79.1	81.6	91.0	113.4	139.9	178.7	226.6	273.2	279.2	227.8
97.5°	179.0	183.1	192.2	209.8	229.3	266.1	303.9	337.4	345.7	298.2	203.5
100°	245.8	250.8	262.5	285.2	306.9	339.7	372.2	387.6	363.4	284.5	181.6
102.5°	320.5	324.2	336.9	353.0	376.3	398.5	414.0	404.5	352.8	260.6	164.9
105°	417.6	421.3	427.7	438.0	448.2	451.6	437.7	394.6	319.0	228.5	148.7
107.5°	469.1	471.6	473.8	473.8	468.7	452.2	416.6	359.0	284.4	206.3	142.0
110°	486.2	486.2	484.0	478.0	463.9	437.1	392.7	332.8	264.7	196.0	139.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	484.3	482.0	476.5	466.2	445.5	413.9	369.0	312.1	250.1	189.9	139.9
115°	465.1	461.0	452.2	437.1	412.5	378.2	335.0	286.1	234.2	183.4	140.9
117.5°	431.7	429.2	420.4	404.7	380.2	348.7	311.5	269.4	224.6	180.2	142.9
120°	410.0	407.5	399.0	383.9	360.5	332.8	298.1	260.3	219.4	178.7	145.0
122.5°	390.8	388.6	380.0	366.2	345.4	319.4	288.6	253.5	214.8	177.5	146.7
125°	366.5	363.4	356.4	343.5	325.8	303.2	275.7	243.6	208.7	175.8	149.7
127.5°	345.7	344.3	337.8	326.4	310.3	289.1	263.5	233.5	203.0	175.1	153.0
130°	334.4	332.5	326.2	315.8	300.1	279.6	254.9	227.2	199.2	174.6	155.1
132.5°	323.0	320.8	315.0	304.7	288.9	269.2	246.9	220.9	196.2	174.6	157.3
135°	304.4	302.6	296.9	286.5	272.6	254.7	234.4	212.8	192.5	174.6	160.4
137.5°	284.5	282.5	277.2	267.8	255.4	240.1	223.4	205.8	189.3	175.0	163.3
140°	270.7	269.1	264.4	256.2	244.5	231.3	216.8	202.0	187.8	175.2	164.5
142.5°	257.9	256.5	252.1	245.1	235.2	223.7	211.2	198.8	186.5	175.5	165.2
145°	240.1	238.9	235.4	230.1	222.5	214.0	204.2	194.5	184.7	175.2	166.0
147.5°	225.2	224.5	222.6	218.3	212.3	205.9	198.3	190.4	182.7	174.4	166.4
150°	216.8	216.5	215.3	211.4	206.7	201.1	195.1	188.2	181.2	173.6	166.4
152.5°	210.3	209.9	208.7	205.6	201.7	197.2	191.8	185.7	179.4	172.6	166.1
155°	201.3	201.1	200.1	197.9	194.7	191.3	186.9	181.8	176.5	170.9	165.4
157.5°	193.4	193.5	192.6	190.8	188.3	185.7	182.2	178.1	173.7	168.9	164.6
160°	188.2	188.4	187.8	186.3	184.0	181.8	178.7	175.6	171.5	167.6	163.9
162.5°	183.3	183.4	183.2	182.0	180.3	178.3	175.7	172.7	169.4	166.1	163.1
165°	176.5	176.5	176.5	175.8	174.6	173.0	171.1	168.9	166.4	163.9	162.0
167.5°	170.1	170.2	170.5	170.0	169.3	168.2	166.7	165.2	163.5	161.7	160.2
170°	166.4	166.7	166.7	166.4	165.8	165.1	164.2	163.3	161.7	160.4	159.4
172.5°	162.8	163.2	163.7	163.1	163.0	162.6	161.9	161.0	159.9	158.9	158.5
175°	158.5	158.8	159.4	159.2	159.2	159.2	158.5	158.5	157.6	157.3	157.3
177.5°	156.3	156.3	157.0	156.9	157.0	157.0	157.0	156.9	156.6	156.3	156.3
180°	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0
2.5°	1458.9	1455.5	1451.7	1444.9	1436.7	1432.4	1425.7	1421.4	1412.6	1405.4	1397.8
5°	1532.9	1517.3	1502.9	1484.2	1463.7	1450.5	1434.9	1417.4	1399.4	1380.6	1360.2
7.5°	1609.6	1581.9	1551.8	1519.5	1487.8	1458.7	1430.8	1403.6	1378.0	1347.2	1321.1
10°	1661.2	1626.2	1588.9	1545.0	1502.3	1464.9	1427.0	1393.9	1360.2	1324.1	1292.2
12.5°	1712.6	1666.2	1613.5	1565.2	1513.8	1468.7	1424.2	1381.9	1339.5	1299.6	1262.3
15°	1749.0	1708.1	1659.3	1590.7	1532.9	1471.0	1411.9	1357.2	1306.0	1261.5	1214.6
17.5°	1773.0	1720.2	1667.9	1602.0	1526.3	1457.0	1390.2	1327.5	1269.8	1213.4	1168.1
20°	1777.3	1723.1	1668.4	1603.9	1526.3	1446.9	1380.1	1304.8	1242.9	1184.5	1129.1
22.5°	1775.8	1714.5	1654.8	1588.6	1512.9	1439.7	1358.9	1282.2	1215.0	1157.5	1099.7
25°	1762.3	1696.7	1622.0	1555.2	1480.6	1402.9	1321.1	1241.6	1173.0	1107.4	1050.3
27.5°	1751.0	1665.8	1581.4	1503.4	1431.4	1360.2	1281.8	1200.5	1124.4	1057.9	1004.1
30°	1737.0	1643.7	1548.5	1467.3	1393.3	1324.1	1250.1	1170.6	1091.2	1026.2	968.4
32.5°	1724.5	1615.8	1515.4	1426.9	1348.5	1281.2	1213.0	1137.4	1059.4	993.5	935.7
35°	1700.2	1574.5	1459.6	1359.6	1275.9	1206.8	1149.6	1079.1	1007.5	943.7	888.3
37.5°	1669.6	1520.3	1397.0	1292.2	1200.5	1127.6	1074.3	1020.3	951.5	890.0	840.0
40°	1645.5	1481.8	1351.2	1244.0	1149.0	1073.1	1023.8	972.6	915.4	858.3	805.3
42.5°	1615.2	1447.2	1304.9	1189.6	1095.5	1021.6	969.8	926.4	875.9	822.6	773.5
45°	1559.4	1384.3	1230.2	1106.3	1011.1	938.3	884.8	852.2	814.3	763.8	722.2
47.5°	1477.5	1308.8	1149.4	1021.5	923.4	855.9	805.7	774.5	747.8	710.2	672.5
50°	1404.7	1252.5	1091.2	964.2	866.1	798.1	751.7	723.4	700.5	671.6	639.8
52.5°	1323.4	1181.7	1033.8	908.3	811.2	744.1	698.7	673.9	654.8	634.1	602.7
55°	1194.1	1073.7	936.5	817.3	727.6	662.0	622.3	600.7	585.1	569.4	550.1
57.5°	1051.7	957.5	836.0	727.0	644.4	584.8	547.7	526.6	514.4	506.4	495.1
60°	951.5	870.9	766.2	666.8	586.2	533.2	497.1	480.9	470.6	464.0	455.6
62.5°	858.6	792.4	695.4	604.8	534.2	484.1	451.9	436.1	426.3	423.1	416.2
65°	721.7	670.5	590.4	515.2	455.0	412.2	385.2	370.1	364.1	360.5	361.1
67.5°	586.7	555.5	491.2	427.0	379.1	343.2	321.6	310.0	306.9	302.1	302.0
70°	504.4	480.9	426.7	370.8	328.0	300.3	281.1	269.0	266.0	263.6	263.1
72.5°	431.7	411.1	364.1	319.2	280.8	256.5	240.6	233.4	228.5	227.0	226.9
75°	324.4	313.0	275.6	240.1	213.7	196.8	186.0	179.3	175.8	175.1	175.8
77.5°	230.6	220.6	196.9	171.7	155.1	142.3	133.1	130.8	126.7	126.9	126.3
80°	173.3	166.7	151.7	131.8	118.0	107.1	102.3	98.1	96.9	95.1	96.9
82.5°	125.6	118.6	108.3	95.7	84.3	77.8	72.9	71.6	70.9	70.1	70.4
85°	62.0	62.6	56.5	46.9	42.1	38.5	35.5	35.5	34.9	34.3	34.9
87.5°	22.0	21.0	18.9	17.4	14.8	13.3	12.7	13.0	11.7	11.3	11.9
90°	4.1	3.5	3.1	2.5	1.9	1.2	0.6	0.4	0.6	1.2	1.9
92.5°	71.9	43.1	25.9	16.7	11.2	7.3	4.6	3.8	4.6	7.3	11.2
95°	140.9	71.5	37.8	23.6	16.7	13.2	10.7	10.4	10.7	13.2	16.7
97.5°	112.4	61.6	39.3	29.2	22.9	19.4	17.7	17.3	17.7	19.4	22.9
100°	102.1	61.2	42.9	33.4	27.4	24.0	22.6	22.0	22.6	24.0	27.4
102.5°	97.8	63.4	47.2	38.0	32.5	28.7	27.7	27.4	27.7	28.7	32.5
105°	96.1	68.0	54.2	45.4	40.3	37.2	35.6	35.6	35.6	37.2	40.3
107.5°	99.0	75.0	61.6	53.7	48.4	45.8	44.3	43.7	44.3	45.8	48.4
110°	101.8	80.1	67.1	58.9	54.2	51.4	50.1	49.5	50.1	51.4	54.2





TEST NUMBER: P333252-940

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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	105.3	84.8	72.4	64.5	59.7	56.9	55.9	55.3	55.9	56.9	59.7
115°	110.6	92.4	80.7	72.8	68.0	65.3	64.3	63.7	64.3	65.3	68.0
117.5°	116.6	100.0	89.0	81.4	76.0	73.2	72.1	71.2	72.1	73.2	76.0
120°	120.7	105.6	94.5	86.7	81.3	78.5	77.2	76.2	77.2	78.5	81.3
122.5°	125.2	110.8	99.9	91.9	86.1	83.3	82.2	81.6	82.2	83.3	86.1
125°	131.4	117.9	107.5	99.2	93.3	90.4	88.9	88.3	88.9	90.4	93.3
127.5°	137.1	124.6	114.6	106.4	100.0	96.4	94.4	93.5	94.4	96.4	100.0
130°	140.9	128.9	119.1	110.9	104.3	100.2	97.7	96.8	97.7	100.2	104.3
132.5°	144.2	133.0	123.1	114.9	108.1	103.5	100.5	99.2	100.5	103.5	108.1
135°	148.7	138.3	128.6	120.1	113.4	108.4	104.6	103.3	104.6	108.4	113.4
137.5°	152.1	142.2	133.3	124.6	118.1	113.0	109.5	108.5	109.5	113.0	118.1
140°	154.4	145.0	135.8	127.3	121.4	116.3	112.5	111.6	112.5	116.3	121.4
142.5°	155.7	146.7	138.1	130.1	124.4	119.3	115.7	115.1	115.7	119.3	124.4
145°	157.6	149.7	141.5	134.3	128.6	124.1	121.0	120.4	121.0	124.1	128.6
147.5°	158.7	151.6	144.4	138.0	133.1	129.0	126.3	125.9	126.3	129.0	133.1
150°	159.4	152.8	145.9	140.5	136.2	132.1	129.8	129.2	129.8	132.1	136.2
152.5°	160.0	154.1	147.7	142.9	138.7	135.1	133.1	132.8	133.1	135.1	138.7
155°	160.4	155.3	150.0	145.6	142.4	139.3	137.4	137.4	137.4	139.3	142.4
157.5°	160.7	156.4	151.9	148.5	145.7	143.0	141.5	141.6	141.5	143.0	145.7
160°	160.7	156.9	152.8	150.0	147.5	145.3	144.0	144.4	144.0	145.3	147.5
162.5°	160.5	157.5	153.8	151.5	149.5	147.6	146.3	146.6	146.3	147.6	149.5
165°	160.1	157.6	155.1	153.2	151.9	150.3	149.4	150.0	149.4	150.3	151.9
167.5°	159.3	157.6	155.5	154.3	153.4	152.6	151.9	152.3	151.9	152.6	153.4
170°	158.8	157.6	156.0	155.1	154.4	153.8	153.5	153.8	153.5	153.8	154.4
172.5°	158.4	157.3	156.0	155.5	155.2	154.5	154.3	154.8	154.3	154.5	155.2
175°	157.6	156.9	156.0	156.0	156.0	155.7	155.3	156.0	155.3	155.7	156.0
177.5°	156.9	156.6	156.0	156.0	156.3	156.0	156.0	156.6	156.0	156.0	156.3
180°	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3



TEST NUMBER: P333252-940

CATALOG NUMBER: S125DIP-S1090D365U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0
2.5°	1393.4	1388.1	1383.8	1374.1	1368.9	1361.6	1355.8	1362.1	1355.4	1358.3	1354.0
5°	1350.0	1333.1	1321.1	1303.6	1288.6	1274.7	1264.5	1262.7	1257.8	1255.4	1248.2
7.5°	1297.7	1276.7	1256.0	1233.1	1213.8	1194.2	1181.7	1171.4	1164.5	1155.5	1149.3
10°	1266.9	1238.6	1214.6	1186.9	1162.8	1141.7	1124.9	1116.4	1108.7	1097.2	1093.0
12.5°	1228.9	1199.6	1170.3	1140.7	1117.5	1094.0	1079.6	1066.8	1061.4	1048.6	1047.2
15°	1183.3	1139.3	1110.4	1080.3	1048.5	1029.2	1017.2	1003.3	997.3	988.3	981.6
17.5°	1128.8	1089.6	1053.5	1022.3	995.0	978.7	963.9	954.3	944.0	938.1	927.2
20°	1089.4	1052.0	1015.9	982.8	961.8	943.1	931.0	922.0	911.2	908.2	897.4
22.5°	1056.1	1014.9	980.3	952.5	929.5	908.5	895.5	889.3	881.8	872.5	870.4
25°	1002.1	959.4	929.9	902.2	881.7	862.5	853.5	845.6	838.4	831.8	829.4
27.5°	955.4	917.2	882.2	857.2	839.4	821.8	813.9	804.3	799.1	793.7	787.2
30°	922.7	883.5	852.8	828.8	809.5	793.9	785.4	778.8	774.0	769.2	765.5
32.5°	888.9	852.7	823.0	799.4	780.2	768.3	760.9	756.2	750.9	745.1	740.6
35°	844.5	804.7	775.8	755.4	740.3	731.3	722.8	718.6	712.6	712.6	707.8
37.5°	794.2	759.9	734.4	715.8	702.2	694.2	685.0	682.2	678.3	675.7	674.0
40°	764.4	732.5	708.4	689.7	675.3	668.7	661.5	656.7	654.2	651.2	650.0
42.5°	733.5	703.1	680.0	662.8	650.2	644.6	637.8	634.5	629.6	625.7	625.0
45°	686.7	657.2	636.1	622.3	611.4	604.8	600.7	593.4	591.0	586.2	585.6
47.5°	642.3	614.0	593.3	582.0	572.5	567.0	560.4	553.2	550.5	548.0	547.8
50°	609.1	583.2	563.9	553.1	544.1	536.3	529.7	524.9	523.0	523.0	524.2
52.5°	575.4	553.3	537.0	523.7	515.2	506.8	500.8	497.8	495.1	498.0	500.2
55°	526.0	503.7	491.7	479.1	470.6	461.0	458.0	456.8	455.0	459.9	462.3
57.5°	473.8	458.2	444.1	431.5	423.9	418.4	414.3	413.6	417.0	419.3	427.0
60°	440.6	422.5	409.8	400.2	391.2	387.6	386.4	385.2	387.6	394.2	404.5
62.5°	403.9	389.3	375.7	368.5	361.9	355.8	355.6	356.3	361.1	368.7	378.9
65°	350.3	337.6	328.6	320.2	314.8	311.1	312.4	314.8	320.2	330.4	341.9
67.5°	295.8	287.1	279.0	272.2	267.0	267.0	268.2	271.8	278.2	290.0	300.4
70°	260.6	251.0	244.3	241.4	237.1	234.7	238.4	244.3	249.8	260.6	269.7
72.5°	225.4	217.3	212.1	210.1	208.2	206.3	207.5	214.0	221.3	232.2	242.6
75°	173.3	170.3	166.7	164.3	162.5	163.7	164.9	170.9	176.9	188.4	200.5
77.5°	126.5	123.4	121.2	120.6	119.7	120.3	123.6	128.0	133.9	142.3	151.4
80°	95.7	94.5	93.3	92.6	92.6	93.3	98.1	101.1	106.6	114.3	121.5
82.5°	69.7	68.9	68.8	68.6	69.1	69.2	72.1	76.1	80.5	86.4	92.6
85°	36.7	35.5	37.3	37.9	36.7	38.5	39.7	42.1	44.0	46.9	49.9
87.5°	12.6	13.6	13.2	13.8	13.9	15.0	14.5	16.6	17.6	18.6	18.3
90°	2.5	3.1	3.5	4.1	4.4	5.1	5.4	5.7	6.0	6.3	7.0
92.5°	16.7	25.9	43.1	71.9	103.3	101.6	82.2	55.8	40.5	30.5	25.9
95°	23.6	37.8	71.5	140.9	227.8	279.2	273.2	226.6	178.7	139.9	113.4
97.5°	29.2	39.3	61.6	112.4	203.5	298.2	345.7	337.4	303.9	266.1	229.3
100°	33.4	42.9	61.2	102.1	181.6	284.5	363.4	387.6	372.2	339.7	306.9
102.5°	38.0	47.2	63.4	97.8	164.9	260.6	352.8	404.5	414.0	398.5	376.3
105°	45.4	54.2	68.0	96.1	148.7	228.5	319.0	394.6	437.7	451.6	448.2
107.5°	53.7	61.6	75.0	99.0	142.0	206.3	284.4	359.0	416.6	452.2	468.7
110°	58.9	67.1	80.1	101.8	139.9	196.0	264.7	332.8	392.7	437.1	463.9



TEST NUMBER: P333252-940

CATALOG NUMBER: S125DIP-S1090D365U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	64.5	72.4	84.8	105.3	139.9	189.9	250.1	312.1	369.0	413.9	445.5
115°	72.8	80.7	92.4	110.6	140.9	183.4	234.2	286.1	335.0	378.2	412.5
117.5°	81.4	89.0	100.0	116.6	142.9	180.2	224.6	269.4	311.5	348.7	380.2
120°	86.7	94.5	105.6	120.7	145.0	178.7	219.4	260.3	298.1	332.8	360.5
122.5°	91.9	99.9	110.8	125.2	146.7	177.5	214.8	253.5	288.6	319.4	345.4
125°	99.2	107.5	117.9	131.4	149.7	175.8	208.7	243.6	275.7	303.2	325.8
127.5°	106.4	114.6	124.6	137.1	153.0	175.1	203.0	233.5	263.5	289.1	310.3
130°	110.9	119.1	128.9	140.9	155.1	174.6	199.2	227.2	254.9	279.6	300.1
132.5°	114.9	123.1	133.0	144.2	157.3	174.6	196.2	220.9	246.9	269.2	288.9
135°	120.1	128.6	138.3	148.7	160.4	174.6	192.5	212.8	234.4	254.7	272.6
137.5°	124.6	133.3	142.2	152.1	163.3	175.0	189.3	205.8	223.4	240.1	255.4
140°	127.3	135.8	145.0	154.4	164.5	175.2	187.8	202.0	216.8	231.3	244.5
142.5°	130.1	138.1	146.7	155.7	165.2	175.5	186.5	198.8	211.2	223.7	235.2
145°	134.3	141.5	149.7	157.6	166.0	175.2	184.7	194.5	204.2	214.0	222.5
147.5°	138.0	144.4	151.6	158.7	166.4	174.4	182.7	190.4	198.3	205.9	212.3
150°	140.5	145.9	152.8	159.4	166.4	173.6	181.2	188.2	195.1	201.1	206.7
152.5°	142.9	147.7	154.1	160.0	166.1	172.6	179.4	185.7	191.8	197.2	201.7
155°	145.6	150.0	155.3	160.4	165.4	170.9	176.5	181.8	186.9	191.3	194.7
157.5°	148.5	151.9	156.4	160.7	164.6	168.9	173.7	178.1	182.2	185.7	188.3
160°	150.0	152.8	156.9	160.7	163.9	167.6	171.5	175.6	178.7	181.8	184.0
162.5°	151.5	153.8	157.5	160.5	163.1	166.1	169.4	172.7	175.7	178.3	180.3
165°	153.2	155.1	157.6	160.1	162.0	163.9	166.4	168.9	171.1	173.0	174.6
167.5°	154.3	155.5	157.6	159.3	160.2	161.7	163.5	165.2	166.7	168.2	169.3
170°	155.1	156.0	157.6	158.8	159.4	160.4	161.7	163.3	164.2	165.1	165.8
172.5°	155.5	156.0	157.3	158.4	158.5	158.9	159.9	161.0	161.9	162.6	163.0
175°	156.0	156.0	156.9	157.6	157.3	157.3	157.6	158.5	158.5	159.2	159.2
177.5°	156.0	156.0	156.6	156.9	156.3	156.3	156.6	156.9	157.0	157.0	157.0
180°	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3



TEST NUMBER: P333252-940

CATALOG NUMBER: S125DIP-S1090D365U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0
2.5°	1351.0	1354.4	1351.6	1355.4	1351.6	1354.4	1351.0	1354.0	1358.3	1355.4	1362.1
5°	1245.3	1239.8	1243.4	1241.0	1243.4	1239.8	1245.3	1248.2	1255.4	1257.8	1262.7
7.5°	1147.5	1142.4	1136.4	1133.6	1136.4	1142.4	1147.5	1149.3	1155.5	1164.5	1171.4
10°	1086.4	1079.8	1079.1	1075.0	1079.1	1079.8	1086.4	1093.0	1097.2	1108.7	1116.4
12.5°	1041.6	1035.5	1028.6	1026.8	1028.6	1035.5	1041.6	1047.2	1048.6	1061.4	1066.8
15°	978.0	973.2	969.0	972.6	969.0	973.2	978.0	981.6	988.3	997.3	1003.3
17.5°	925.1	921.2	920.5	916.1	920.5	921.2	925.1	927.2	938.1	944.0	954.3
20°	892.0	888.9	890.2	882.3	890.2	888.9	892.0	897.4	908.2	911.2	922.0
22.5°	865.5	859.6	858.9	857.3	858.9	859.6	865.5	870.4	872.5	881.8	889.3
25°	823.9	820.9	818.0	820.9	818.0	820.9	823.9	829.4	831.8	838.4	845.6
27.5°	787.7	784.1	783.3	783.6	783.3	784.1	787.7	787.2	793.7	799.1	804.3
30°	765.5	759.6	760.2	759.6	760.2	759.6	765.5	765.5	769.2	774.0	778.8
32.5°	741.5	737.4	736.6	735.5	736.6	737.4	741.5	740.6	745.1	750.9	756.2
35°	706.0	706.0	702.9	702.9	702.9	706.0	706.0	707.8	712.6	712.6	718.6
37.5°	672.6	672.0	670.2	670.5	670.2	672.0	672.6	674.0	675.7	678.3	682.2
40°	647.6	647.0	645.2	641.6	645.2	647.0	647.6	650.0	651.2	654.2	656.7
42.5°	623.5	621.5	620.6	619.5	620.6	621.5	623.5	625.0	625.7	629.6	634.5
45°	585.6	585.6	584.4	583.8	584.4	585.6	585.6	585.6	586.2	591.0	593.4
47.5°	548.8	549.8	552.1	551.8	552.1	549.8	548.8	547.8	548.0	550.5	553.2
50°	526.6	527.3	529.1	529.7	529.1	527.3	526.6	524.2	523.0	523.0	524.9
52.5°	502.0	505.6	507.8	507.5	507.8	505.6	502.0	500.2	498.0	495.1	497.8
55°	467.6	471.9	476.1	476.7	476.1	471.9	467.6	462.3	459.9	455.0	456.8
57.5°	433.5	439.4	443.9	445.4	443.9	439.4	433.5	427.0	419.3	417.0	413.6
60°	410.5	418.3	423.7	426.1	423.7	418.3	410.5	404.5	394.2	387.6	385.2
62.5°	388.3	397.1	402.5	403.0	402.5	397.1	388.3	378.9	368.7	361.1	356.3
65°	352.0	361.1	366.0	369.5	366.0	361.1	352.0	341.9	330.4	320.2	314.8
67.5°	313.1	322.1	327.4	330.3	327.4	322.1	313.1	300.4	290.0	278.2	271.8
70°	284.7	293.7	301.0	303.4	301.0	293.7	284.7	269.7	260.6	249.8	244.3
72.5°	256.7	264.8	270.6	273.5	270.6	264.8	256.7	242.6	232.2	221.3	214.0
75°	208.2	219.1	224.5	227.5	224.5	219.1	208.2	200.5	188.4	176.9	170.9
77.5°	160.6	170.4	173.7	175.2	173.7	170.4	160.6	151.4	142.3	133.9	128.0
80°	128.8	134.8	139.0	139.6	139.0	134.8	128.8	121.5	114.3	106.6	101.1
82.5°	99.0	104.0	105.3	106.9	105.3	104.0	99.0	92.6	86.4	80.5	76.1
85°	54.1	56.5	57.2	56.5	57.2	56.5	54.1	49.9	46.9	44.0	42.1
87.5°	19.2	18.7	18.8	19.7	18.8	18.7	19.2	18.3	18.6	17.6	16.6
90°	7.0	7.0	7.2	7.2	7.2	7.0	7.0	7.0	6.3	6.0	5.7
92.5°	21.8	21.0	20.6	20.1	20.6	21.0	21.8	25.9	30.5	40.5	55.8
95°	91.0	81.6	79.1	74.1	79.1	81.6	91.0	113.4	139.9	178.7	226.6
97.5°	209.8	192.2	183.1	179.0	183.1	192.2	209.8	229.3	266.1	303.9	337.4
100°	285.2	262.5	250.8	245.8	250.8	262.5	285.2	306.9	339.7	372.2	387.6
102.5°	353.0	336.9	324.2	320.5	324.2	336.9	353.0	376.3	398.5	414.0	404.5
105°	438.0	427.7	421.3	417.6	421.3	427.7	438.0	448.2	451.6	437.7	394.6
107.5°	473.8	473.8	471.6	469.1	471.6	473.8	473.8	468.7	452.2	416.6	359.0
110°	478.0	484.0	486.2	486.2	486.2	484.0	478.0	463.9	437.1	392.7	332.8



TEST NUMBER: P333252-940

CATALOG NUMBER: S125DIP-S1090D365U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	466.2	476.5	482.0	484.3	482.0	476.5	466.2	445.5	413.9	369.0	312.1
115°	437.1	452.2	461.0	465.1	461.0	452.2	437.1	412.5	378.2	335.0	286.1
117.5°	404.7	420.4	429.2	431.7	429.2	420.4	404.7	380.2	348.7	311.5	269.4
120°	383.9	399.0	407.5	410.0	407.5	399.0	383.9	360.5	332.8	298.1	260.3
122.5°	366.2	380.0	388.6	390.8	388.6	380.0	366.2	345.4	319.4	288.6	253.5
125°	343.5	356.4	363.4	366.5	363.4	356.4	343.5	325.8	303.2	275.7	243.6
127.5°	326.4	337.8	344.3	345.7	344.3	337.8	326.4	310.3	289.1	263.5	233.5
130°	315.8	326.2	332.5	334.4	332.5	326.2	315.8	300.1	279.6	254.9	227.2
132.5°	304.7	315.0	320.8	323.0	320.8	315.0	304.7	288.9	269.2	246.9	220.9
135°	286.5	296.9	302.6	304.4	302.6	296.9	286.5	272.6	254.7	234.4	212.8
137.5°	267.8	277.2	282.5	284.5	282.5	277.2	267.8	255.4	240.1	223.4	205.8
140°	256.2	264.4	269.1	270.7	269.1	264.4	256.2	244.5	231.3	216.8	202.0
142.5°	245.1	252.1	256.5	257.9	256.5	252.1	245.1	235.2	223.7	211.2	198.8
145°	230.1	235.4	238.9	240.1	238.9	235.4	230.1	222.5	214.0	204.2	194.5
147.5°	218.3	222.6	224.5	225.2	224.5	222.6	218.3	212.3	205.9	198.3	190.4
150°	211.4	215.3	216.5	216.8	216.5	215.3	211.4	206.7	201.1	195.1	188.2
152.5°	205.6	208.7	209.9	210.3	209.9	208.7	205.6	201.7	197.2	191.8	185.7
155°	197.9	200.1	201.1	201.3	201.1	200.1	197.9	194.7	191.3	186.9	181.8
157.5°	190.8	192.6	193.5	193.4	193.5	192.6	190.8	188.3	185.7	182.2	178.1
160°	186.3	187.8	188.4	188.2	188.4	187.8	186.3	184.0	181.8	178.7	175.6
162.5°	182.0	183.2	183.4	183.3	183.4	183.2	182.0	180.3	178.3	175.7	172.7
165°	175.8	176.5	176.5	176.5	176.5	176.5	175.8	174.6	173.0	171.1	168.9
167.5°	170.0	170.5	170.2	170.1	170.2	170.5	170.0	169.3	168.2	166.7	165.2
170°	166.4	166.7	166.7	166.4	166.7	166.7	166.4	165.8	165.1	164.2	163.3
172.5°	163.1	163.7	163.2	162.8	163.2	163.7	163.1	163.0	162.6	161.9	161.0
175°	159.2	159.4	158.8	158.5	158.8	159.4	159.2	159.2	159.2	158.5	158.5
177.5°	156.9	157.0	156.3	156.3	156.3	157.0	156.9	157.0	157.0	157.0	156.9
180°	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3



TEST NUMBER: P333252-940

CATALOG NUMBER: S125DIP-S1090D365U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0
2.5°	1355.8	1361.6	1368.9	1374.1	1383.8	1388.1	1393.4	1397.8	1405.4	1412.6	1421.4
5°	1264.5	1274.7	1288.6	1303.6	1321.1	1333.1	1350.0	1360.2	1380.6	1399.4	1417.4
7.5°	1181.7	1194.2	1213.8	1233.1	1256.0	1276.7	1297.7	1321.1	1347.2	1378.0	1403.6
10°	1124.9	1141.7	1162.8	1186.9	1214.6	1238.6	1266.9	1292.2	1324.1	1360.2	1393.9
12.5°	1079.6	1094.0	1117.5	1140.7	1170.3	1199.6	1228.9	1262.3	1299.6	1339.5	1381.9
15°	1017.2	1029.2	1048.5	1080.3	1110.4	1139.3	1183.3	1214.6	1261.5	1306.0	1357.2
17.5°	963.9	978.7	995.0	1022.3	1053.5	1089.6	1128.8	1168.1	1213.4	1269.8	1327.5
20°	931.0	943.1	961.8	982.8	1015.9	1052.0	1089.4	1129.1	1184.5	1242.9	1304.8
22.5°	895.5	908.5	929.5	952.5	980.3	1014.9	1056.1	1099.7	1157.5	1215.0	1282.2
25°	853.5	862.5	881.7	902.2	929.9	959.4	1002.1	1050.3	1107.4	1173.0	1241.6
27.5°	813.9	821.8	839.4	857.2	882.2	917.2	955.4	1004.1	1057.9	1124.4	1200.5
30°	785.4	793.9	809.5	828.8	852.8	883.5	922.7	968.4	1026.2	1091.2	1170.6
32.5°	760.9	768.3	780.2	799.4	823.0	852.7	888.9	935.7	993.5	1059.4	1137.4
35°	722.8	731.3	740.3	755.4	775.8	804.7	844.5	888.3	943.7	1007.5	1079.1
37.5°	685.0	694.2	702.2	715.8	734.4	759.9	794.2	840.0	890.0	951.5	1020.3
40°	661.5	668.7	675.3	689.7	708.4	732.5	764.4	805.3	858.3	915.4	972.6
42.5°	637.8	644.6	650.2	662.8	680.0	703.1	733.5	773.5	822.6	875.9	926.4
45°	600.7	604.8	611.4	622.3	636.1	657.2	686.7	722.2	763.8	814.3	852.2
47.5°	560.4	567.0	572.5	582.0	593.3	614.0	642.3	672.5	710.2	747.8	774.5
50°	529.7	536.3	544.1	553.1	563.9	583.2	609.1	639.8	671.6	700.5	723.4
52.5°	500.8	506.8	515.2	523.7	537.0	553.3	575.4	602.7	634.1	654.8	673.9
55°	458.0	461.0	470.6	479.1	491.7	503.7	526.0	550.1	569.4	585.1	600.7
57.5°	414.3	418.4	423.9	431.5	444.1	458.2	473.8	495.1	506.4	514.4	526.6
60°	386.4	387.6	391.2	400.2	409.8	422.5	440.6	455.6	464.0	470.6	480.9
62.5°	355.6	355.8	361.9	368.5	375.7	389.3	403.9	416.2	423.1	426.3	436.1
65°	312.4	311.1	314.8	320.2	328.6	337.6	350.3	361.1	360.5	364.1	370.1
67.5°	268.2	267.0	267.0	272.2	279.0	287.1	295.8	302.0	302.1	306.9	310.0
70°	238.4	234.7	237.1	241.4	244.3	251.0	260.6	263.1	263.6	266.0	269.0
72.5°	207.5	206.3	208.2	210.1	212.1	217.3	225.4	226.9	227.0	228.5	233.4
75°	164.9	163.7	162.5	164.3	166.7	170.3	173.3	175.8	175.1	175.8	179.3
77.5°	123.6	120.3	119.7	120.6	121.2	123.4	126.5	126.3	126.9	126.7	130.8
80°	98.1	93.3	92.6	92.6	93.3	94.5	95.7	96.9	95.1	96.9	98.1
82.5°	72.1	69.2	69.1	68.6	68.8	68.9	69.7	70.4	70.1	70.9	71.6
85°	39.7	38.5	36.7	37.9	37.3	35.5	36.7	34.9	34.3	34.9	35.5
87.5°	14.5	15.0	13.9	13.8	13.2	13.6	12.6	11.9	11.3	11.7	13.0
90°	5.4	5.1	4.4	4.1	3.5	3.1	2.5	1.9	1.2	0.6	0.4
92.5°	82.2	101.6	103.3	71.9	43.1	25.9	16.7	11.2	7.3	4.6	3.8
95°	273.2	279.2	227.8	140.9	71.5	37.8	23.6	16.7	13.2	10.7	10.4
97.5°	345.7	298.2	203.5	112.4	61.6	39.3	29.2	22.9	19.4	17.7	17.3
100°	363.4	284.5	181.6	102.1	61.2	42.9	33.4	27.4	24.0	22.6	22.0
102.5°	352.8	260.6	164.9	97.8	63.4	47.2	38.0	32.5	28.7	27.7	27.4
105°	319.0	228.5	148.7	96.1	68.0	54.2	45.4	40.3	37.2	35.6	35.6
107.5°	284.4	206.3	142.0	99.0	75.0	61.6	53.7	48.4	45.8	44.3	43.7
110°	264.7	196.0	139.9	101.8	80.1	67.1	58.9	54.2	51.4	50.1	49.5



TEST NUMBER: P333252-940

CATALOG NUMBER: S125DIP-S1090D365U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	250.1	189.9	139.9	105.3	84.8	72.4	64.5	59.7	56.9	55.9	55.3
115°	234.2	183.4	140.9	110.6	92.4	80.7	72.8	68.0	65.3	64.3	63.7
117.5°	224.6	180.2	142.9	116.6	100.0	89.0	81.4	76.0	73.2	72.1	71.2
120°	219.4	178.7	145.0	120.7	105.6	94.5	86.7	81.3	78.5	77.2	76.2
122.5°	214.8	177.5	146.7	125.2	110.8	99.9	91.9	86.1	83.3	82.2	81.6
125°	208.7	175.8	149.7	131.4	117.9	107.5	99.2	93.3	90.4	88.9	88.3
127.5°	203.0	175.1	153.0	137.1	124.6	114.6	106.4	100.0	96.4	94.4	93.5
130°	199.2	174.6	155.1	140.9	128.9	119.1	110.9	104.3	100.2	97.7	96.8
132.5°	196.2	174.6	157.3	144.2	133.0	123.1	114.9	108.1	103.5	100.5	99.2
135°	192.5	174.6	160.4	148.7	138.3	128.6	120.1	113.4	108.4	104.6	103.3
137.5°	189.3	175.0	163.3	152.1	142.2	133.3	124.6	118.1	113.0	109.5	108.5
140°	187.8	175.2	164.5	154.4	145.0	135.8	127.3	121.4	116.3	112.5	111.6
142.5°	186.5	175.5	165.2	155.7	146.7	138.1	130.1	124.4	119.3	115.7	115.1
145°	184.7	175.2	166.0	157.6	149.7	141.5	134.3	128.6	124.1	121.0	120.4
147.5°	182.7	174.4	166.4	158.7	151.6	144.4	138.0	133.1	129.0	126.3	125.9
150°	181.2	173.6	166.4	159.4	152.8	145.9	140.5	136.2	132.1	129.8	129.2
152.5°	179.4	172.6	166.1	160.0	154.1	147.7	142.9	138.7	135.1	133.1	132.8
155°	176.5	170.9	165.4	160.4	155.3	150.0	145.6	142.4	139.3	137.4	137.4
157.5°	173.7	168.9	164.6	160.7	156.4	151.9	148.5	145.7	143.0	141.5	141.6
160°	171.5	167.6	163.9	160.7	156.9	152.8	150.0	147.5	145.3	144.0	144.4
162.5°	169.4	166.1	163.1	160.5	157.5	153.8	151.5	149.5	147.6	146.3	146.6
165°	166.4	163.9	162.0	160.1	157.6	155.1	153.2	151.9	150.3	149.4	150.0
167.5°	163.5	161.7	160.2	159.3	157.6	155.5	154.3	153.4	152.6	151.9	152.3
170°	161.7	160.4	159.4	158.8	157.6	156.0	155.1	154.4	153.8	153.5	153.8
172.5°	159.9	158.9	158.5	158.4	157.3	156.0	155.5	155.2	154.5	154.3	154.8
175°	157.6	157.3	157.3	157.6	156.9	156.0	156.0	156.0	155.7	155.3	156.0
177.5°	156.6	156.3	156.3	156.9	156.6	156.0	156.0	156.3	156.0	156.0	156.6
180°	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3



TEST NUMBER: P333252-940

CATALOG NUMBER: S125DIP-S1090D365U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0
2.5°	1425.7	1432.4	1436.7	1444.9	1451.7	1455.5	1458.9	1461.8	1465.2	1468.0	1476.2
5°	1434.9	1450.5	1463.7	1484.2	1502.9	1517.3	1532.9	1546.8	1558.2	1574.5	1587.1
7.5°	1430.8	1458.7	1487.8	1519.5	1551.8	1581.9	1609.6	1635.5	1658.9	1687.4	1712.3
10°	1427.0	1464.9	1502.3	1545.0	1588.9	1626.2	1661.2	1696.7	1722.5	1758.6	1789.3
12.5°	1424.2	1468.7	1513.8	1565.2	1613.5	1666.2	1712.6	1738.6	1777.9	1806.8	1843.3
15°	1411.9	1471.0	1532.9	1590.7	1659.3	1708.1	1749.0	1799.6	1836.3	1872.9	1912.7
17.5°	1390.2	1457.0	1526.3	1602.0	1667.9	1720.2	1773.0	1821.7	1865.5	1914.8	1964.3
20°	1380.1	1446.9	1526.3	1603.9	1668.4	1723.1	1777.3	1830.9	1879.0	1942.2	1999.4
22.5°	1358.9	1439.7	1512.9	1588.6	1654.8	1714.5	1775.8	1836.7	1900.7	1972.0	2043.7
25°	1321.1	1402.9	1480.6	1555.2	1622.0	1696.7	1762.3	1843.5	1925.4	2019.8	2108.9
27.5°	1281.8	1360.2	1431.4	1503.4	1581.4	1665.8	1751.0	1843.2	1950.3	2069.6	2195.2
30°	1250.1	1324.1	1393.3	1467.3	1548.5	1643.7	1737.0	1846.5	1970.5	2104.7	2254.0
32.5°	1213.0	1281.2	1348.5	1426.9	1515.4	1615.8	1724.5	1844.6	1993.6	2146.1	2299.7
35°	1149.6	1206.8	1275.9	1359.6	1459.6	1574.5	1700.2	1842.3	2013.2	2188.3	2317.7
37.5°	1074.3	1127.6	1200.5	1292.2	1397.0	1520.3	1669.6	1838.1	2019.6	2159.3	2201.0
40°	1023.8	1073.1	1149.0	1244.0	1351.2	1481.8	1645.5	1823.6	1999.4	2088.5	2054.1
42.5°	969.8	1021.6	1095.5	1189.6	1304.9	1447.2	1615.2	1793.3	1940.6	1974.3	1855.7
45°	884.8	938.3	1011.1	1106.3	1230.2	1384.3	1559.4	1721.4	1806.2	1745.4	1561.8
47.5°	805.7	855.9	923.4	1021.5	1149.4	1308.8	1477.5	1606.6	1613.4	1468.3	1272.2
50°	751.7	798.1	866.1	964.2	1091.2	1252.5	1404.7	1506.5	1460.7	1296.4	1108.0
52.5°	698.7	744.1	811.2	908.3	1033.8	1181.7	1323.4	1394.7	1308.6	1140.0	979.0
55°	622.3	662.0	727.6	817.3	936.5	1073.7	1194.1	1218.8	1106.8	940.7	810.1
57.5°	547.7	584.8	644.4	727.0	836.0	957.5	1051.7	1046.4	928.1	785.5	681.9
60°	497.1	533.2	586.2	666.8	766.2	870.9	951.5	932.3	814.9	692.1	604.8
62.5°	451.9	484.1	534.2	604.8	695.4	792.4	858.6	830.2	715.2	607.9	539.0
65°	385.2	412.2	455.0	515.2	590.4	670.5	721.7	684.9	586.8	503.2	447.8
67.5°	321.6	343.2	379.1	427.0	491.2	555.5	586.7	549.7	471.3	410.2	369.2
70°	281.1	300.3	328.0	370.8	426.7	480.9	504.4	471.3	403.9	351.5	322.0
72.5°	240.6	256.5	280.8	319.2	364.1	411.1	431.7	400.0	344.6	300.4	272.9
75°	186.0	196.8	213.7	240.1	275.6	313.0	324.4	296.8	261.2	228.1	210.1
77.5°	133.1	142.3	155.1	171.7	196.9	220.6	230.6	214.6	187.2	166.2	151.4
80°	102.3	107.1	118.0	131.8	151.7	166.7	173.3	163.1	143.8	128.2	116.7
82.5°	72.9	77.8	84.3	95.7	108.3	118.6	125.6	118.8	104.9	92.6	86.0
85°	35.5	38.5	42.1	46.9	56.5	62.6	62.0	57.8	52.3	47.5	44.0
87.5°	12.7	13.3	14.8	17.4	18.9	21.0	22.0	21.1	19.3	17.9	16.6
90°	0.6	1.2	1.9	2.5	3.1	3.5	4.1	4.4	5.1	5.4	5.7
92.5°	4.6	7.3	11.2	16.7	25.9	43.1	71.9	103.3	101.6	82.2	55.8
95°	10.7	13.2	16.7	23.6	37.8	71.5	140.9	227.8	279.2	273.2	226.6
97.5°	17.7	19.4	22.9	29.2	39.3	61.6	112.4	203.5	298.2	345.7	337.4
100°	22.6	24.0	27.4	33.4	42.9	61.2	102.1	181.6	284.5	363.4	387.6
102.5°	27.7	28.7	32.5	38.0	47.2	63.4	97.8	164.9	260.6	352.8	404.5
105°	35.6	37.2	40.3	45.4	54.2	68.0	96.1	148.7	228.5	319.0	394.6
107.5°	44.3	45.8	48.4	53.7	61.6	75.0	99.0	142.0	206.3	284.4	359.0
110°	50.1	51.4	54.2	58.9	67.1	80.1	101.8	139.9	196.0	264.7	332.8





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	55.9	56.9	59.7	64.5	72.4	84.8	105.3	139.9	189.9	250.1	312.1
115°	64.3	65.3	68.0	72.8	80.7	92.4	110.6	140.9	183.4	234.2	286.1
117.5°	72.1	73.2	76.0	81.4	89.0	100.0	116.6	142.9	180.2	224.6	269.4
120°	77.2	78.5	81.3	86.7	94.5	105.6	120.7	145.0	178.7	219.4	260.3
122.5°	82.2	83.3	86.1	91.9	99.9	110.8	125.2	146.7	177.5	214.8	253.5
125°	88.9	90.4	93.3	99.2	107.5	117.9	131.4	149.7	175.8	208.7	243.6
127.5°	94.4	96.4	100.0	106.4	114.6	124.6	137.1	153.0	175.1	203.0	233.5
130°	97.7	100.2	104.3	110.9	119.1	128.9	140.9	155.1	174.6	199.2	227.2
132.5°	100.5	103.5	108.1	114.9	123.1	133.0	144.2	157.3	174.6	196.2	220.9
135°	104.6	108.4	113.4	120.1	128.6	138.3	148.7	160.4	174.6	192.5	212.8
137.5°	109.5	113.0	118.1	124.6	133.3	142.2	152.1	163.3	175.0	189.3	205.8
140°	112.5	116.3	121.4	127.3	135.8	145.0	154.4	164.5	175.2	187.8	202.0
142.5°	115.7	119.3	124.4	130.1	138.1	146.7	155.7	165.2	175.5	186.5	198.8
145°	121.0	124.1	128.6	134.3	141.5	149.7	157.6	166.0	175.2	184.7	194.5
147.5°	126.3	129.0	133.1	138.0	144.4	151.6	158.7	166.4	174.4	182.7	190.4
150°	129.8	132.1	136.2	140.5	145.9	152.8	159.4	166.4	173.6	181.2	188.2
152.5°	133.1	135.1	138.7	142.9	147.7	154.1	160.0	166.1	172.6	179.4	185.7
155°	137.4	139.3	142.4	145.6	150.0	155.3	160.4	165.4	170.9	176.5	181.8
157.5°	141.5	143.0	145.7	148.5	151.9	156.4	160.7	164.6	168.9	173.7	178.1
160°	144.0	145.3	147.5	150.0	152.8	156.9	160.7	163.9	167.6	171.5	175.6
162.5°	146.3	147.6	149.5	151.5	153.8	157.5	160.5	163.1	166.1	169.4	172.7
165°	149.4	150.3	151.9	153.2	155.1	157.6	160.1	162.0	163.9	166.4	168.9
167.5°	151.9	152.6	153.4	154.3	155.5	157.6	159.3	160.2	161.7	163.5	165.2
170°	153.5	153.8	154.4	155.1	156.0	157.6	158.8	159.4	160.4	161.7	163.3
172.5°	154.3	154.5	155.2	155.5	156.0	157.3	158.4	158.5	158.9	159.9	161.0
175°	155.3	155.7	156.0	156.0	156.0	156.9	157.6	157.3	157.3	157.6	158.5
177.5°	156.0	156.0	156.3	156.0	156.0	156.6	156.9	156.3	156.3	156.6	156.9
180°	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0
2.5°	1483.0	1486.8	1495.0	1492.1	1496.0	1497.9	1499.9
5°	1602.8	1622.0	1630.4	1629.2	1641.9	1638.9	1635.8
7.5°	1738.0	1758.3	1769.6	1783.7	1791.9	1792.4	1799.6
10°	1814.6	1841.1	1851.9	1867.0	1876.6	1882.0	1881.4
12.5°	1873.4	1894.1	1918.3	1925.7	1938.8	1945.5	1943.0
15°	1944.0	1977.1	2002.4	2015.0	2031.3	2036.1	2042.7
17.5°	2007.1	2051.5	2081.0	2120.2	2135.0	2144.0	2138.8
20°	2054.8	2113.2	2142.6	2189.6	2215.5	2229.3	2224.5
22.5°	2111.1	2174.3	2228.8	2269.5	2308.8	2327.5	2331.4
25°	2207.6	2294.3	2374.4	2428.0	2476.6	2488.1	2513.4
27.5°	2315.5	2417.7	2503.3	2559.6	2593.5	2606.3	2614.2
30°	2383.4	2485.1	2549.5	2585.6	2596.4	2595.2	2594.0
32.5°	2416.6	2480.3	2492.7	2482.5	2457.7	2436.8	2414.9
35°	2369.5	2322.0	2250.9	2159.5	2092.0	2024.1	2017.4
37.5°	2131.1	1979.1	1860.8	1728.8	1652.6	1605.5	1573.1
40°	1906.7	1733.9	1590.7	1479.3	1401.8	1371.0	1341.0
42.5°	1663.0	1498.1	1371.2	1278.1	1219.8	1185.7	1161.8
45°	1351.2	1205.5	1106.3	1038.8	992.5	966.0	950.9
47.5°	1107.1	999.4	915.1	866.5	834.5	813.9	814.0
50°	976.2	873.3	817.3	778.8	751.1	734.9	737.9
52.5°	860.1	783.3	735.5	703.2	682.8	672.8	672.4
55°	719.3	663.9	632.6	609.1	595.2	583.8	586.2
57.5°	615.2	568.6	547.6	528.1	518.4	513.9	507.2
60°	550.7	514.6	496.5	480.9	471.3	467.6	461.0
62.5°	493.4	465.0	447.5	434.6	426.0	424.8	419.6
65°	414.6	393.0	377.4	371.3	362.3	359.9	359.9
67.5°	341.9	326.4	314.1	308.6	304.7	305.2	302.4
70°	296.1	283.5	275.6	269.7	266.6	267.2	264.8
72.5°	259.0	245.0	238.1	234.5	230.5	232.1	231.1
75°	196.2	189.0	185.4	181.7	179.3	178.2	176.9
77.5°	144.1	137.7	134.9	132.9	133.2	130.4	132.7
80°	111.4	105.9	104.2	101.1	100.5	100.5	99.9
82.5°	81.5	78.5	77.1	74.6	73.6	74.5	72.9
85°	42.1	39.7	39.1	39.1	37.9	36.7	39.7
87.5°	16.6	14.7	14.9	14.4	14.4	14.0	13.0
90°	6.0	6.3	7.0	7.0	7.0	7.2	7.2
92.5°	40.5	30.5	25.9	21.8	21.0	20.6	20.1
95°	178.7	139.9	113.4	91.0	81.6	79.1	74.1
97.5°	303.9	266.1	229.3	209.8	192.2	183.1	179.0
100°	372.2	339.7	306.9	285.2	262.5	250.8	245.8
102.5°	414.0	398.5	376.3	353.0	336.9	324.2	320.5
105°	437.7	451.6	448.2	438.0	427.7	421.3	417.6
107.5°	416.6	452.2	468.7	473.8	473.8	471.6	469.1
110°	392.7	437.1	463.9	478.0	484.0	486.2	486.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	369.0	413.9	445.5	466.2	476.5	482.0	484.3
115°	335.0	378.2	412.5	437.1	452.2	461.0	465.1
117.5°	311.5	348.7	380.2	404.7	420.4	429.2	431.7
120°	298.1	332.8	360.5	383.9	399.0	407.5	410.0
122.5°	288.6	319.4	345.4	366.2	380.0	388.6	390.8
125°	275.7	303.2	325.8	343.5	356.4	363.4	366.5
127.5°	263.5	289.1	310.3	326.4	337.8	344.3	345.7
130°	254.9	279.6	300.1	315.8	326.2	332.5	334.4
132.5°	246.9	269.2	288.9	304.7	315.0	320.8	323.0
135°	234.4	254.7	272.6	286.5	296.9	302.6	304.4
137.5°	223.4	240.1	255.4	267.8	277.2	282.5	284.5
140°	216.8	231.3	244.5	256.2	264.4	269.1	270.7
142.5°	211.2	223.7	235.2	245.1	252.1	256.5	257.9
145°	204.2	214.0	222.5	230.1	235.4	238.9	240.1
147.5°	198.3	205.9	212.3	218.3	222.6	224.5	225.2
150°	195.1	201.1	206.7	211.4	215.3	216.5	216.8
152.5°	191.8	197.2	201.7	205.6	208.7	209.9	210.3
155°	186.9	191.3	194.7	197.9	200.1	201.1	201.3
157.5°	182.2	185.7	188.3	190.8	192.6	193.5	193.4
160°	178.7	181.8	184.0	186.3	187.8	188.4	188.2
162.5°	175.7	178.3	180.3	182.0	183.2	183.4	183.3
165°	171.1	173.0	174.6	175.8	176.5	176.5	176.5
167.5°	166.7	168.2	169.3	170.0	170.5	170.2	170.1
170°	164.2	165.1	165.8	166.4	166.7	166.7	166.4
172.5°	161.9	162.6	163.0	163.1	163.7	163.2	162.8
175°	158.5	159.2	159.2	159.2	159.4	158.8	158.5
177.5°	157.0	157.0	157.0	156.9	157.0	156.3	156.3
180°	156.3	156.3	156.3	156.3	156.3	156.3	156.3

(END OF REPORT)