

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: P333582-830

Luminaire Tested: **S125RDIP-S1090D365U830-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333582-830
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: S125RDIP-S1090D365U830-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5254.9 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Semi-Direct

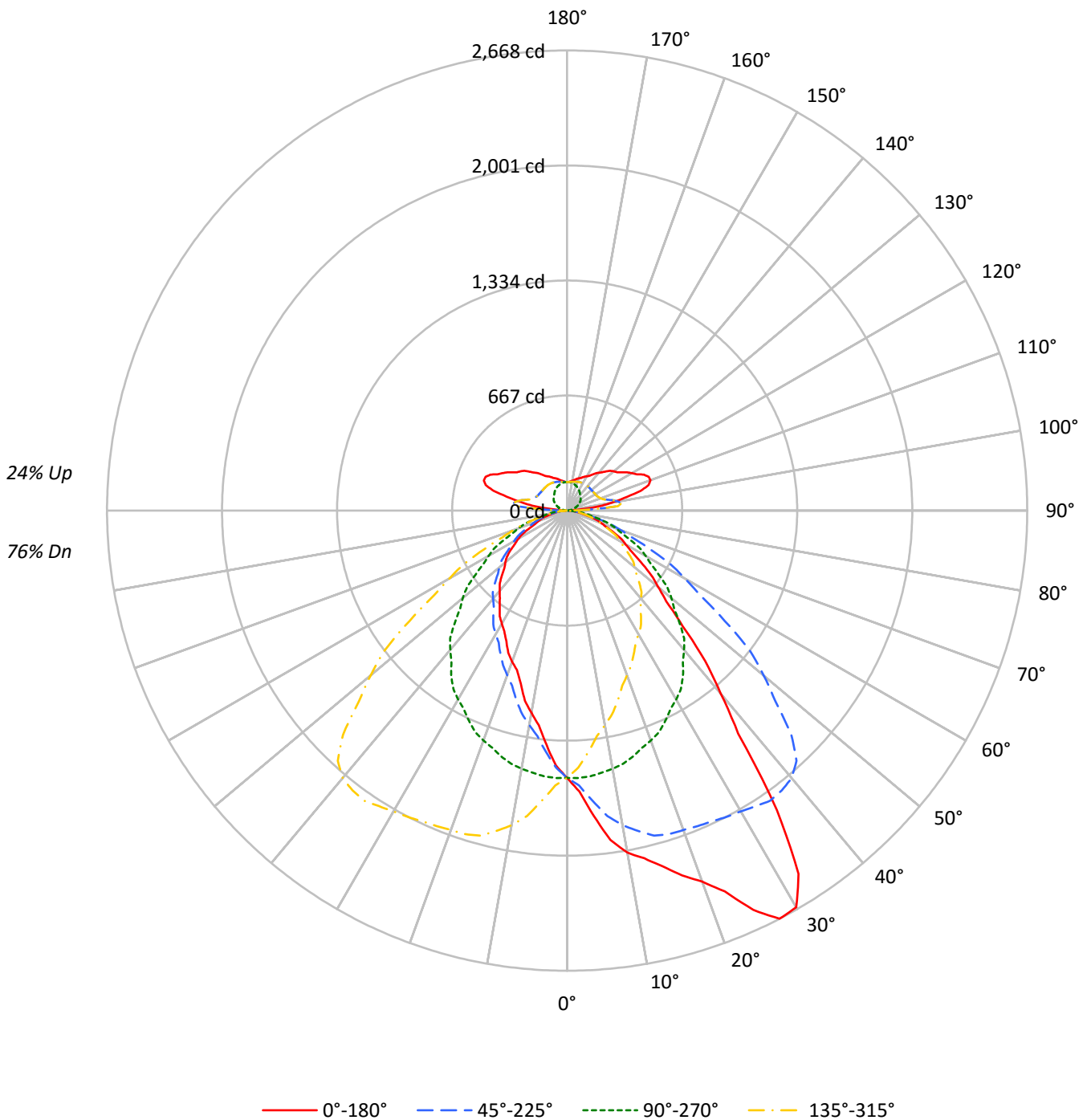
Input Watts (W): 43.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	113	113	113	108	108	108	108	98	98	98	89	89	89	80	80	80	76
1	104	100	96	93	99	96	92	89	87	85	82	79	77	76	72	71	69	66
2	96	88	82	77	91	84	79	74	77	73	69	70	67	64	64	62	59	56
3	88	78	71	65	83	75	68	63	69	63	59	63	58	55	57	54	51	48
4	80	70	62	55	76	67	59	54	61	55	51	56	51	47	52	48	44	42
5	74	62	54	48	70	60	52	47	55	49	44	51	46	42	47	42	39	36
6	69	56	48	42	65	54	46	41	50	44	39	46	41	37	43	38	35	32
7	64	51	43	37	60	49	42	36	45	39	34	42	37	33	39	34	31	29
8	59	47	39	33	56	45	37	32	42	35	31	39	33	29	36	31	28	26
9	55	43	35	30	53	41	34	29	38	32	28	36	30	26	33	28	25	23
10	52	39	32	27	49	38	31	26	35	29	25	33	28	24	31	26	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10008	10008	10008	10008
5°	11514	10022	8851	10022
10°	13208	9971	7810	9971
15°	14266	9868	6942	9868
20°	15731	9750	6410	9750
25°	18206	9592	5947	9592
30°	19812	9426	5646	9426
35°	16712	9234	5367	9234
40°	11671	8887	5127	8887
45°	8658	8419	4892	8419
50°	6903	7932	4691	7932
55°	5860	7328	4513	7328
60°	5062	6788	4224	6788
65°	4511	6203	3636	6203
70°	3964	5682	3316	5682
75°	3429	4921	3112	4921
80°	2600	4139	2600	4139
85°	2164	3253	2453	3253



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.6	2.8
10°-20°	435.5	8.3
20°-30°	690.5	13.1
30°-40°	832.7	15.8
40°-50°	743.6	14.2
50°-60°	570.3	10.9
60°-70°	370.6	7.1
70°-80°	180.2	3.4
80°-90°	43.9	0.8
90°-100°	119.8	2.3
100°-110°	257.4	4.9
110°-120°	241.6	4.6
120°-130°	195.8	3.7
130°-140°	157.1	3.0
140°-150°	118.6	2.3
150°-160°	83.5	1.6
160°-170°	49.2	0.9
170°-180°	16.0	0.3
0°-30°	1274.6	24.3
0°-40°	2107.3	40.1
0°-60°	3421.2	65.1
0°-90°	4015.9	76.4
90°-120°	618.8	11.8
90°-150°	1090.3	20.7
90°-180°	1239.0	23.6
0°-180°	5254.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1550	1550	1550	1550	1550	
5°	1776	1546	1365	1546	1776	177
15°	2134	1476	1038	1476	2134	611
25°	2555	1346	835	1346	2555	1173
35°	2120	1171	681	1171	2120	1280
45°	948	922	536	922	948	756
55°	520	651	401	651	520	472
65°	295	406	238	406	295	294
75°	137	197	125	197	137	146
85°	29	44	33	44	29	34
90°	8	0	8	0	8	7
95°	78	11	78	11	78	111
105°	441	38	441	38	441	439
115°	492	67	492	67	492	480
125°	387	93	387	93	387	350
135°	322	109	322	109	322	249
145°	254	127	254	127	254	161
155°	213	145	213	145	213	99
165°	186	158	186	158	186	53
175°	168	165	168	165	168	16
180°	165	165	165	165	165	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7
2.5°	1630.1	1629.1	1631.2	1625.5	1626.1	1617.4	1617.4	1610.8	1602.1	1595.5	1592.4
5°	1776.1	1777.4	1774.9	1765.4	1759.0	1749.5	1738.6	1719.6	1703.6	1688.4	1676.3
7.5°	1926.6	1927.4	1919.0	1916.1	1900.1	1888.4	1864.3	1838.3	1815.3	1786.1	1763.7
10°	2014.1	2013.5	2004.5	1997.5	1983.6	1965.8	1942.2	1911.7	1883.0	1851.2	1820.7
12.5°	2065.0	2063.3	2060.5	2052.0	2039.0	2023.3	2003.3	1973.2	1938.0	1903.2	1867.6
15°	2133.7	2129.2	2121.0	2110.2	2091.7	2073.2	2051.0	2024.3	1990.6	1951.1	1918.1
17.5°	2218.7	2218.8	2206.1	2191.0	2166.0	2133.4	2099.0	2056.0	2010.2	1966.8	1931.6
20°	2288.9	2287.0	2274.3	2245.0	2216.4	2175.7	2136.3	2083.4	2027.4	1970.9	1926.9
22.5°	2389.7	2384.7	2371.4	2333.1	2288.7	2236.3	2176.0	2111.4	2043.7	1979.4	1921.8
25°	2554.9	2551.0	2524.9	2480.4	2418.1	2337.2	2258.3	2169.9	2072.7	1988.0	1918.1
27.5°	2667.8	2663.6	2644.3	2607.3	2549.8	2464.7	2358.0	2239.8	2118.3	2001.9	1901.0
30°	2656.7	2666.2	2663.6	2646.5	2603.2	2526.9	2428.3	2295.3	2150.9	2014.1	1893.9
32.5°	2496.8	2505.4	2527.7	2561.5	2564.0	2533.5	2459.8	2337.0	2187.5	2031.9	1888.3
35°	2119.7	2131.2	2174.4	2242.5	2331.6	2405.9	2421.2	2355.0	2220.8	2053.5	1879.9
37.5°	1629.6	1692.1	1728.6	1800.3	1934.9	2071.7	2203.4	2251.9	2194.7	2044.7	1866.2
40°	1384.3	1399.6	1464.4	1545.2	1658.5	1801.0	1988.7	2124.1	2128.6	2024.3	1844.8
42.5°	1184.8	1204.1	1248.7	1313.2	1410.1	1552.7	1746.4	1925.1	2008.0	1968.3	1816.8
45°	947.9	962.5	994.9	1044.6	1119.0	1236.7	1403.4	1610.1	1774.2	1838.5	1741.8
47.5°	778.6	786.6	814.8	852.6	907.7	993.4	1122.5	1301.9	1498.8	1636.8	1623.2
50°	687.0	696.0	717.6	746.2	792.7	865.2	968.3	1117.8	1320.7	1489.2	1523.0
52.5°	615.8	623.2	636.7	663.7	702.1	757.8	841.0	976.3	1158.9	1338.1	1416.1
55°	520.4	525.5	536.3	551.6	582.1	622.2	694.1	787.6	935.2	1115.8	1230.3
57.5°	441.8	444.3	451.2	465.3	486.4	515.7	567.6	646.9	752.7	915.4	1041.8
60°	391.9	394.5	403.3	412.8	429.4	456.1	496.8	552.1	653.9	788.2	916.1
62.5°	352.1	353.7	357.5	367.0	381.5	402.2	434.2	479.4	560.3	678.3	799.0
65°	295.2	295.8	297.1	304.7	313.6	328.9	349.9	381.7	442.8	531.9	638.7
67.5°	240.4	241.4	245.8	248.5	257.8	265.8	278.1	302.5	345.4	405.5	488.6
70°	209.9	209.3	213.8	217.0	220.1	229.7	237.9	257.7	284.4	330.2	399.5
72.5°	181.4	179.7	181.7	182.9	187.0	193.5	201.8	213.9	234.5	266.1	319.1
75°	137.4	138.1	138.1	139.3	142.5	145.1	147.6	153.9	165.4	186.4	215.0
77.5°	96.4	95.4	98.1	98.5	100.4	103.2	105.4	107.9	112.6	121.2	136.0
80°	69.9	69.9	70.6	72.5	71.9	73.1	76.3	78.9	84.6	89.7	94.8
82.5°	53.7	53.2	53.8	54.2	54.1	55.3	56.5	57.0	59.2	61.7	65.2
85°	29.2	29.2	29.9	29.9	30.5	30.5	31.2	31.2	31.2	31.8	32.4
87.5°	12.7	12.3	11.7	11.7	12.2	13.0	12.4	11.9	11.8	11.8	12.2
90°	7.6	7.6	7.4	7.4	7.4	6.7	6.3	6.0	5.7	5.4	4.6
92.5°	21.2	21.8	22.2	23.1	27.3	32.2	42.8	59.0	86.9	107.4	109.1
95°	78.3	83.6	86.2	96.2	119.9	147.9	188.9	239.5	288.8	295.1	240.8
97.5°	189.2	193.5	203.1	221.8	242.3	281.3	321.2	356.7	365.4	315.2	215.1
100°	259.9	265.1	277.5	301.4	324.4	359.1	393.4	409.7	384.1	300.8	191.9
102.5°	338.7	342.7	356.1	373.2	397.8	421.2	437.6	427.5	372.9	275.5	174.3
105°	441.4	445.4	452.0	463.0	473.7	477.3	462.7	417.1	337.1	241.5	157.2
107.5°	495.9	498.5	500.8	500.8	495.4	478.0	440.4	379.5	300.6	218.1	150.1
110°	514.0	514.0	511.6	505.3	490.3	462.0	415.1	351.8	279.8	207.2	147.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	511.9	509.4	503.7	492.8	470.9	437.5	390.0	329.9	264.4	200.8	147.9
115°	491.6	487.3	478.0	462.0	436.0	399.7	354.1	302.5	247.5	193.9	148.9
117.5°	456.3	453.6	444.4	427.8	401.9	368.5	329.2	284.7	237.4	190.5	151.1
120°	433.4	430.7	421.7	405.8	381.1	351.8	315.1	275.1	231.9	188.9	153.3
122.5°	413.1	410.8	401.7	387.1	365.0	337.6	305.0	268.0	227.1	187.6	155.0
125°	387.4	384.1	376.7	363.1	344.4	320.5	291.4	257.5	220.6	185.9	158.3
127.5°	365.4	363.9	357.0	345.0	328.0	305.6	278.5	246.9	214.5	185.1	161.7
130°	353.5	351.5	344.8	333.8	317.2	295.5	269.5	240.2	210.6	184.5	163.9
132.5°	341.4	339.1	333.0	322.1	305.4	284.6	261.0	233.5	207.4	184.5	166.3
135°	321.8	319.8	313.8	302.8	288.1	269.2	247.8	224.9	203.5	184.5	169.6
137.5°	300.8	298.6	293.0	283.0	269.9	253.8	236.1	217.5	200.1	184.9	172.6
140°	286.2	284.5	279.5	270.8	258.4	244.5	229.1	213.5	198.5	185.2	173.9
142.5°	272.6	271.2	266.5	259.1	248.6	236.5	223.3	210.1	197.2	185.5	174.7
145°	253.8	252.5	248.8	243.2	235.2	226.2	215.8	205.6	195.2	185.2	175.5
147.5°	238.0	237.3	235.3	230.7	224.4	217.6	209.6	201.2	193.1	184.4	175.9
150°	229.1	228.8	227.5	223.5	218.5	212.5	206.2	198.9	191.5	183.5	175.9
152.5°	222.3	221.9	220.6	217.4	213.2	208.5	202.7	196.2	189.6	182.5	175.6
155°	212.8	212.5	211.5	209.2	205.9	202.2	197.6	192.2	186.5	180.6	174.8
157.5°	204.4	204.5	203.6	201.7	199.1	196.2	192.6	188.2	183.6	178.5	174.0
160°	198.9	199.2	198.5	196.9	194.5	192.2	188.9	185.6	181.3	177.2	173.2
162.5°	193.8	193.9	193.7	192.4	190.6	188.5	185.7	182.6	179.1	175.6	172.4
165°	186.5	186.5	186.5	185.9	184.5	182.9	180.9	178.5	175.9	173.2	171.3
167.5°	179.8	179.9	180.2	179.6	179.0	177.8	176.3	174.7	172.8	170.9	169.4
170°	175.9	176.3	176.3	175.9	175.2	174.6	173.5	172.6	170.9	169.6	168.5
172.5°	172.1	172.5	173.1	172.4	172.3	171.9	171.2	170.1	169.0	168.0	167.5
175°	167.6	167.9	168.5	168.2	168.2	168.2	167.6	167.6	166.5	166.3	166.3
177.5°	165.2	165.2	166.0	165.8	166.0	166.0	166.0	165.8	165.5	165.2	165.2
180°	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7
2.5°	1592.4	1588.8	1582.2	1576.1	1568.5	1561.9	1557.4	1551.7	1544.6	1536.0	1528.8
5°	1662.9	1648.9	1630.5	1614.6	1594.2	1578.3	1561.8	1545.9	1529.9	1509.6	1491.8
7.5°	1741.1	1712.1	1684.0	1648.7	1616.6	1588.0	1560.5	1532.7	1505.4	1476.5	1448.7
10°	1788.9	1753.9	1715.1	1670.6	1629.8	1591.0	1555.4	1520.4	1483.6	1451.0	1416.1
12.5°	1833.7	1788.5	1744.1	1687.9	1639.0	1591.6	1546.2	1502.6	1463.2	1421.1	1383.6
15°	1874.2	1829.6	1780.0	1711.3	1643.2	1585.9	1532.5	1475.9	1426.9	1379.8	1337.8
17.5°	1889.8	1843.0	1785.5	1719.4	1645.0	1573.0	1504.1	1442.1	1384.4	1329.6	1282.3
20°	1883.7	1838.5	1779.3	1716.4	1636.8	1561.8	1487.3	1418.6	1354.4	1296.5	1246.2
22.5°	1868.9	1822.2	1765.1	1698.6	1623.1	1543.4	1464.0	1390.6	1323.3	1263.4	1208.6
25°	1846.8	1783.2	1724.7	1659.7	1587.9	1509.0	1426.9	1346.1	1274.2	1213.1	1153.4
27.5°	1823.7	1744.4	1669.9	1605.4	1529.5	1459.1	1380.0	1297.1	1221.5	1159.3	1098.0
30°	1802.9	1713.8	1631.7	1558.6	1486.7	1419.9	1344.8	1264.0	1186.5	1122.2	1059.9
32.5°	1776.9	1682.2	1592.0	1507.7	1438.3	1372.1	1304.1	1226.9	1151.3	1085.1	1021.7
35°	1744.4	1623.5	1525.5	1435.8	1358.9	1294.6	1233.5	1171.2	1095.5	1026.8	965.1
37.5°	1701.6	1564.4	1451.0	1353.4	1272.1	1207.7	1159.4	1102.5	1033.4	967.6	910.3
40°	1675.7	1521.7	1397.6	1301.0	1215.7	1147.6	1102.5	1054.1	991.2	929.4	872.1
42.5°	1641.1	1482.5	1343.7	1242.9	1157.2	1091.7	1045.9	1003.7	950.9	892.8	831.4
45°	1573.2	1406.6	1260.8	1152.7	1066.2	1001.9	959.3	921.8	881.7	828.3	774.9
47.5°	1484.9	1327.3	1174.9	1056.8	972.0	912.4	871.0	841.4	812.8	767.3	715.4
50°	1414.2	1262.2	1113.2	998.8	908.4	851.8	813.0	789.5	763.4	722.1	678.8
52.5°	1330.7	1195.0	1049.1	932.1	846.9	793.8	756.5	733.0	711.5	677.8	636.5
55°	1199.2	1080.2	946.6	840.4	762.1	708.7	673.1	650.8	638.1	609.4	577.0
57.5°	1047.4	962.1	844.3	741.9	672.7	619.9	593.8	574.9	560.4	540.3	517.4
60°	941.5	881.7	776.1	678.8	615.2	564.9	541.4	525.5	512.1	494.9	477.1
62.5°	834.2	790.6	698.8	615.2	556.7	514.5	492.5	478.2	462.8	451.2	433.9
65°	690.2	651.4	587.8	522.3	468.3	434.5	418.6	405.9	396.3	383.6	371.6
67.5°	537.0	521.1	477.2	432.1	393.2	363.3	349.5	340.6	329.1	321.5	313.2
70°	442.8	435.2	404.0	374.1	337.8	317.4	304.7	300.9	286.9	279.3	273.5
72.5°	359.3	355.7	337.8	317.1	291.5	273.7	261.9	257.7	248.7	242.6	238.9
75°	246.2	247.5	244.3	230.9	221.4	209.9	199.7	197.2	190.9	185.8	182.6
77.5°	155.7	162.2	162.5	161.8	158.1	151.0	146.8	145.0	138.6	136.8	136.0
80°	106.9	113.9	120.3	119.6	118.3	116.4	113.2	111.3	108.1	106.2	105.0
82.5°	71.3	77.8	83.0	86.5	86.2	84.4	82.2	81.3	80.7	79.3	79.0
85°	33.7	35.0	36.9	41.4	44.5	45.1	44.5	43.9	41.9	42.6	43.3
87.5°	12.5	12.4	12.9	12.7	12.1	14.5	15.9	16.3	15.4	14.5	13.7
90°	4.3	3.7	3.3	2.6	2.0	1.3	0.7	0.4	0.7	1.3	2.0
92.5°	76.0	45.5	27.3	17.6	11.9	7.7	4.9	4.1	4.9	7.7	11.9
95°	148.9	75.6	40.0	25.0	17.6	13.9	11.3	11.0	11.3	13.9	17.6
97.5°	118.9	65.1	41.6	30.8	24.2	20.5	18.7	18.3	18.7	20.5	24.2
100°	107.9	64.7	45.3	35.3	28.9	25.4	23.9	23.3	23.9	25.4	28.9
102.5°	103.4	67.0	49.9	40.2	34.3	30.3	29.3	28.9	29.3	30.3	34.3
105°	101.6	71.9	57.3	48.0	42.6	39.3	37.6	37.6	37.6	39.3	42.6
107.5°	104.6	79.3	65.1	56.7	51.2	48.4	46.8	46.2	46.8	48.4	51.2
110°	107.6	84.6	71.0	62.3	57.3	54.3	53.0	52.3	53.0	54.3	57.3



TEST NUMBER: P333582-830

CATALOG NUMBER: S125RDIP-S1090D365U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	111.3	89.6	76.5	68.1	63.2	60.1	59.1	58.4	59.1	60.1	63.2
115°	116.9	97.6	85.3	76.9	71.9	69.0	68.0	67.3	68.0	69.0	71.9
117.5°	123.3	105.8	94.1	86.1	80.3	77.4	76.3	75.3	76.3	77.4	80.3
120°	127.6	111.6	99.9	91.6	86.0	82.9	81.6	80.6	81.6	82.9	86.0
122.5°	132.3	117.2	105.6	97.2	91.0	88.0	86.9	86.2	86.9	88.0	91.0
125°	138.9	124.6	113.6	104.9	98.6	95.6	94.0	93.3	94.0	95.6	98.6
127.5°	144.9	131.7	121.1	112.4	105.8	101.9	99.8	98.8	99.8	101.9	105.8
130°	148.9	136.2	125.9	117.3	110.3	105.9	103.3	102.3	103.3	105.9	110.3
132.5°	152.4	140.5	130.2	121.5	114.2	109.4	106.2	104.9	106.2	109.4	114.2
135°	157.2	146.2	135.9	127.0	119.9	114.6	110.6	109.2	110.6	114.6	119.9
137.5°	160.8	150.3	140.9	131.7	124.8	119.4	115.7	114.7	115.7	119.4	124.8
140°	163.2	153.3	143.5	134.6	128.3	122.9	118.9	117.9	118.9	122.9	128.3
142.5°	164.6	155.0	146.0	137.5	131.5	126.1	122.3	121.7	122.3	126.1	131.5
145°	166.5	158.3	149.6	141.9	135.9	131.2	127.9	127.2	127.9	131.2	135.9
147.5°	167.8	160.2	152.6	145.9	140.7	136.4	133.5	133.1	133.5	136.4	140.7
150°	168.5	161.6	154.2	148.5	143.9	139.6	137.2	136.6	137.2	139.6	143.9
152.5°	169.1	162.9	156.1	151.0	146.6	142.8	140.7	140.3	140.7	142.8	146.6
155°	169.6	164.2	158.5	153.9	150.5	147.2	145.2	145.2	145.2	147.2	150.5
157.5°	169.8	165.3	160.5	156.9	154.0	151.2	149.6	149.7	149.6	151.2	154.0
160°	169.8	165.9	161.6	158.5	155.9	153.5	152.2	152.6	152.2	153.5	155.9
162.5°	169.7	166.5	162.6	160.1	158.1	156.0	154.7	155.0	154.7	156.0	158.1
165°	169.2	166.5	163.9	161.9	160.5	158.9	157.9	158.5	157.9	158.9	160.5
167.5°	168.4	166.5	164.4	163.1	162.1	161.3	160.6	161.0	160.6	161.3	162.1
170°	167.9	166.5	164.9	163.9	163.2	162.6	162.2	162.6	162.2	162.6	163.2
172.5°	167.4	166.3	164.9	164.4	164.0	163.3	163.1	163.6	163.1	163.3	164.0
175°	166.5	165.9	164.9	164.9	164.9	164.6	164.2	164.9	164.2	164.6	164.9
177.5°	165.8	165.5	164.9	164.9	165.2	164.9	164.9	165.5	164.9	164.9	165.2
180°	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2



TEST NUMBER: P333582-830

CATALOG NUMBER: S125RDIP-S1090D365U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7
2.5°	1523.7	1516.6	1511.6	1501.4	1494.2	1491.2	1485.5	1484.0	1489.6	1485.5	1485.1
5°	1478.5	1460.0	1445.4	1430.7	1414.9	1404.7	1389.4	1386.9	1383.0	1377.2	1376.0
7.5°	1424.1	1400.1	1381.2	1357.1	1336.1	1319.2	1300.0	1291.0	1286.1	1278.7	1268.8
10°	1387.4	1358.9	1333.4	1309.2	1283.2	1262.2	1243.0	1228.4	1218.9	1209.9	1206.2
12.5°	1351.3	1322.2	1289.6	1260.4	1231.2	1207.7	1186.6	1177.0	1166.5	1156.0	1147.2
15°	1295.2	1256.4	1220.8	1187.0	1162.2	1136.8	1116.4	1102.5	1086.6	1082.1	1065.0
17.5°	1235.7	1197.6	1155.9	1120.4	1091.7	1063.7	1041.2	1025.4	1013.4	997.0	989.1
20°	1198.5	1153.4	1112.7	1080.2	1048.4	1015.3	992.4	979.0	967.6	954.2	947.9
22.5°	1158.9	1114.7	1073.0	1034.9	1002.6	970.1	953.8	939.9	926.9	914.5	906.2
25°	1100.5	1056.0	1012.1	972.7	939.0	915.4	896.4	880.4	873.5	861.4	852.4
27.5°	1042.9	995.6	950.1	910.7	884.3	861.0	845.4	832.7	820.1	809.5	801.8
30°	1005.8	957.4	907.8	876.7	848.7	826.3	809.2	797.1	787.6	778.1	772.3
32.5°	968.7	918.8	874.7	841.0	814.5	795.3	777.6	766.1	756.0	745.5	738.7
35°	909.1	858.2	822.6	789.5	763.4	745.6	733.5	717.0	708.7	701.1	694.1
37.5°	853.8	806.4	767.9	738.9	716.1	698.5	682.9	673.9	663.7	656.9	651.0
40°	813.0	769.8	734.8	704.3	687.7	668.0	653.4	641.9	634.2	625.4	619.0
42.5°	776.4	736.1	702.2	674.7	654.1	637.4	623.3	611.9	602.2	595.9	590.5
45°	724.6	684.5	651.4	625.9	606.9	591.0	576.4	570.6	557.9	550.3	547.7
47.5°	671.0	635.2	603.2	579.8	560.2	545.2	531.4	519.7	512.7	505.2	501.1
50°	634.9	600.5	570.6	547.7	528.7	512.1	499.4	491.7	482.2	475.2	470.1
52.5°	598.8	566.9	537.1	515.2	498.6	482.1	467.9	460.2	451.2	446.7	443.2
55°	547.1	513.4	488.0	466.3	449.1	433.9	420.5	412.8	407.2	402.7	401.4
57.5°	488.6	461.8	438.2	418.7	400.9	386.5	374.8	367.6	362.5	361.8	358.1
60°	450.4	426.2	404.6	383.6	368.3	355.0	344.8	336.5	331.4	330.8	329.5
62.5°	412.3	389.1	369.0	350.5	336.8	324.0	314.2	305.0	301.9	298.8	296.0
65°	355.6	334.6	318.1	303.4	288.8	278.0	268.4	262.8	255.7	251.9	245.0
67.5°	300.0	283.7	267.9	255.5	244.0	233.8	225.8	217.4	212.6	209.5	204.4
70°	263.3	250.6	234.8	221.4	212.4	204.2	197.8	188.3	185.1	182.6	180.0
72.5°	228.8	217.5	204.2	193.4	184.5	176.7	169.4	164.9	161.7	159.2	157.7
75°	180.0	169.2	157.8	150.1	143.7	137.4	133.6	130.4	129.1	128.5	125.9
77.5°	132.2	126.5	117.3	111.2	107.0	104.4	101.0	99.3	99.2	96.4	95.6
80°	101.1	97.9	90.3	87.8	84.6	82.1	80.1	77.0	73.8	72.5	70.6
82.5°	75.2	72.0	69.0	64.8	62.2	60.7	58.8	57.6	58.1	56.3	55.3
85°	40.1	36.9	35.6	35.0	33.7	35.0	34.3	33.7	33.1	32.4	33.1
87.5°	13.3	13.4	12.9	14.1	12.6	13.3	13.4	12.9	13.0	13.0	12.6
90°	2.6	3.3	3.7	4.3	4.6	5.4	5.7	6.0	6.3	6.7	7.4
92.5°	17.6	27.3	45.5	76.0	109.1	107.4	86.9	59.0	42.8	32.2	27.3
95°	25.0	40.0	75.6	148.9	240.8	295.1	288.8	239.5	188.9	147.9	119.9
97.5°	30.8	41.6	65.1	118.9	215.1	315.2	365.4	356.7	321.2	281.3	242.3
100°	35.3	45.3	64.7	107.9	191.9	300.8	384.1	409.7	393.4	359.1	324.4
102.5°	40.2	49.9	67.0	103.4	174.3	275.5	372.9	427.5	437.6	421.2	397.8
105°	48.0	57.3	71.9	101.6	157.2	241.5	337.1	417.1	462.7	477.3	473.7
107.5°	56.7	65.1	79.3	104.6	150.1	218.1	300.6	379.5	440.4	478.0	495.4
110°	62.3	71.0	84.6	107.6	147.9	207.2	279.8	351.8	415.1	462.0	490.3



TEST NUMBER: P333582-830

CATALOG NUMBER: S125RDIP-S1090D365U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	68.1	76.5	89.6	111.3	147.9	200.8	264.4	329.9	390.0	437.5	470.9
115°	76.9	85.3	97.6	116.9	148.9	193.9	247.5	302.5	354.1	399.7	436.0
117.5°	86.1	94.1	105.8	123.3	151.1	190.5	237.4	284.7	329.2	368.5	401.9
120°	91.6	99.9	111.6	127.6	153.3	188.9	231.9	275.1	315.1	351.8	381.1
122.5°	97.2	105.6	117.2	132.3	155.0	187.6	227.1	268.0	305.0	337.6	365.0
125°	104.9	113.6	124.6	138.9	158.3	185.9	220.6	257.5	291.4	320.5	344.4
127.5°	112.4	121.1	131.7	144.9	161.7	185.1	214.5	246.9	278.5	305.6	328.0
130°	117.3	125.9	136.2	148.9	163.9	184.5	210.6	240.2	269.5	295.5	317.2
132.5°	121.5	130.2	140.5	152.4	166.3	184.5	207.4	233.5	261.0	284.6	305.4
135°	127.0	135.9	146.2	157.2	169.6	184.5	203.5	224.9	247.8	269.2	288.1
137.5°	131.7	140.9	150.3	160.8	172.6	184.9	200.1	217.5	236.1	253.8	269.9
140°	134.6	143.5	153.3	163.2	173.9	185.2	198.5	213.5	229.1	244.5	258.4
142.5°	137.5	146.0	155.0	164.6	174.7	185.5	197.2	210.1	223.3	236.5	248.6
145°	141.9	149.6	158.3	166.5	175.5	185.2	195.2	205.6	215.8	226.2	235.2
147.5°	145.9	152.6	160.2	167.8	175.9	184.4	193.1	201.2	209.6	217.6	224.4
150°	148.5	154.2	161.6	168.5	175.9	183.5	191.5	198.9	206.2	212.5	218.5
152.5°	151.0	156.1	162.9	169.1	175.6	182.5	189.6	196.2	202.7	208.5	213.2
155°	153.9	158.5	164.2	169.6	174.8	180.6	186.5	192.2	197.6	202.2	205.9
157.5°	156.9	160.5	165.3	169.8	174.0	178.5	183.6	188.2	192.6	196.2	199.1
160°	158.5	161.6	165.9	169.8	173.2	177.2	181.3	185.6	188.9	192.2	194.5
162.5°	160.1	162.6	166.5	169.7	172.4	175.6	179.1	182.6	185.7	188.5	190.6
165°	161.9	163.9	166.5	169.2	171.3	173.2	175.9	178.5	180.9	182.9	184.5
167.5°	163.1	164.4	166.5	168.4	169.4	170.9	172.8	174.7	176.3	177.8	179.0
170°	163.9	164.9	166.5	167.9	168.5	169.6	170.9	172.6	173.5	174.6	175.2
172.5°	164.4	164.9	166.3	167.4	167.5	168.0	169.0	170.1	171.2	171.9	172.3
175°	164.9	164.9	165.9	166.5	166.3	166.3	166.5	167.6	167.6	168.2	168.2
177.5°	164.9	164.9	165.5	165.8	165.2	165.2	165.5	165.8	166.0	166.0	166.0
180°	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2



TEST NUMBER: P333582-830

CATALOG NUMBER: S125RDIP-S1090D365U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7
2.5°	1484.5	1478.9	1477.4	1479.4	1477.4	1478.9	1484.5	1485.1	1485.5	1489.6	1484.0
5°	1369.7	1363.3	1366.5	1365.2	1366.5	1363.3	1369.7	1376.0	1377.2	1383.0	1386.9
7.5°	1268.7	1260.7	1252.4	1255.0	1252.4	1260.7	1268.7	1268.8	1278.7	1286.1	1291.0
10°	1197.9	1191.6	1187.7	1190.9	1187.7	1191.6	1197.9	1206.2	1209.9	1218.9	1228.4
12.5°	1138.3	1134.5	1131.2	1129.8	1131.2	1134.5	1138.3	1147.2	1156.0	1166.5	1177.0
15°	1057.3	1049.7	1046.5	1038.2	1046.5	1049.7	1057.3	1065.0	1082.1	1086.6	1102.5
17.5°	982.6	980.1	971.8	968.3	971.8	980.1	982.6	989.1	997.0	1013.4	1025.4
20°	938.3	935.8	927.6	932.6	927.6	935.8	938.3	947.9	954.2	967.6	979.0
22.5°	901.7	896.1	893.4	891.9	893.4	896.1	901.7	906.2	914.5	926.9	939.9
25°	849.9	841.6	838.5	834.6	838.5	841.6	849.9	852.4	861.4	873.5	880.4
27.5°	798.2	793.8	789.6	788.6	789.6	793.8	798.2	801.8	809.5	820.1	832.7
30°	764.7	760.3	757.1	757.1	757.1	760.3	764.7	772.3	778.1	787.6	797.1
32.5°	734.6	731.2	728.0	727.5	728.0	731.2	734.6	738.7	745.5	756.0	766.1
35°	690.9	685.8	684.5	680.7	684.5	685.8	690.9	694.1	701.1	708.7	717.0
37.5°	645.5	641.2	641.1	640.7	641.1	641.2	645.5	651.0	656.9	663.7	673.9
40°	616.4	613.2	612.7	608.1	612.7	613.2	616.4	619.0	625.4	634.2	641.9
42.5°	585.4	583.7	581.5	579.7	581.5	583.7	585.4	590.5	595.9	602.2	611.9
45°	543.3	538.9	538.9	535.6	538.9	538.9	543.3	547.7	550.3	557.9	570.6
47.5°	499.7	496.3	496.7	493.4	496.7	496.3	499.7	501.1	505.2	512.7	519.7
50°	470.8	468.8	468.3	466.9	468.3	468.8	470.8	470.1	475.2	482.2	491.7
52.5°	441.8	440.8	443.3	440.5	443.3	440.8	441.8	443.2	446.7	451.2	460.2
55°	402.7	400.8	404.6	400.8	404.6	400.8	402.7	401.4	402.7	407.2	412.8
57.5°	357.8	356.0	359.4	357.5	359.4	356.0	357.8	358.1	361.8	362.5	367.6
60°	328.3	324.4	326.3	327.0	326.3	324.4	328.3	329.5	330.8	331.4	336.5
62.5°	293.1	290.9	292.3	289.4	292.3	290.9	293.1	296.0	298.8	301.9	305.0
65°	243.6	241.8	239.2	237.9	239.2	241.8	243.6	245.0	251.9	255.7	262.8
67.5°	204.7	200.1	200.0	201.0	200.0	200.1	204.7	204.4	209.5	212.6	217.4
70°	176.3	176.3	175.6	175.6	175.6	176.3	176.3	180.0	182.6	185.1	188.3
72.5°	156.4	155.9	154.7	154.2	154.7	155.9	156.4	157.7	159.2	161.7	164.9
75°	125.9	126.6	125.4	124.7	125.4	126.6	125.9	125.9	128.5	129.1	130.4
77.5°	93.0	90.3	91.7	90.3	91.7	90.3	93.0	95.6	96.4	99.2	99.3
80°	70.6	69.9	71.9	69.9	71.9	69.9	70.6	70.6	72.5	73.8	77.0
82.5°	55.9	55.2	56.1	54.7	56.1	55.2	55.9	55.3	56.3	58.1	57.6
85°	33.7	33.1	32.4	33.1	32.4	33.1	33.7	33.1	32.4	33.1	33.7
87.5°	13.2	12.6	12.7	12.7	12.7	12.6	13.2	12.6	13.0	13.0	12.9
90°	7.4	7.4	7.6	7.6	7.6	7.4	7.4	7.4	6.7	6.3	6.0
92.5°	23.1	22.2	21.8	21.2	21.8	22.2	23.1	27.3	32.2	42.8	59.0
95°	96.2	86.2	83.6	78.3	83.6	86.2	96.2	119.9	147.9	188.9	239.5
97.5°	221.8	203.1	193.5	189.2	193.5	203.1	221.8	242.3	281.3	321.2	356.7
100°	301.4	277.5	265.1	259.9	265.1	277.5	301.4	324.4	359.1	393.4	409.7
102.5°	373.2	356.1	342.7	338.7	342.7	356.1	373.2	397.8	421.2	437.6	427.5
105°	463.0	452.0	445.4	441.4	445.4	452.0	463.0	473.7	477.3	462.7	417.1
107.5°	500.8	500.8	498.5	495.9	498.5	500.8	500.8	495.4	478.0	440.4	379.5
110°	505.3	511.6	514.0	514.0	514.0	511.6	505.3	490.3	462.0	415.1	351.8



TEST NUMBER: P333582-830

CATALOG NUMBER: S125RDIP-S1090D365U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	492.8	503.7	509.4	511.9	509.4	503.7	492.8	470.9	437.5	390.0	329.9
115°	462.0	478.0	487.3	491.6	487.3	478.0	462.0	436.0	399.7	354.1	302.5
117.5°	427.8	444.4	453.6	456.3	453.6	444.4	427.8	401.9	368.5	329.2	284.7
120°	405.8	421.7	430.7	433.4	430.7	421.7	405.8	381.1	351.8	315.1	275.1
122.5°	387.1	401.7	410.8	413.1	410.8	401.7	387.1	365.0	337.6	305.0	268.0
125°	363.1	376.7	384.1	387.4	384.1	376.7	363.1	344.4	320.5	291.4	257.5
127.5°	345.0	357.0	363.9	365.4	363.9	357.0	345.0	328.0	305.6	278.5	246.9
130°	333.8	344.8	351.5	353.5	351.5	344.8	333.8	317.2	295.5	269.5	240.2
132.5°	322.1	333.0	339.1	341.4	339.1	333.0	322.1	305.4	284.6	261.0	233.5
135°	302.8	313.8	319.8	321.8	319.8	313.8	302.8	288.1	269.2	247.8	224.9
137.5°	283.0	293.0	298.6	300.8	298.6	293.0	283.0	269.9	253.8	236.1	217.5
140°	270.8	279.5	284.5	286.2	284.5	279.5	270.8	258.4	244.5	229.1	213.5
142.5°	259.1	266.5	271.2	272.6	271.2	266.5	259.1	248.6	236.5	223.3	210.1
145°	243.2	248.8	252.5	253.8	252.5	248.8	243.2	235.2	226.2	215.8	205.6
147.5°	230.7	235.3	237.3	238.0	237.3	235.3	230.7	224.4	217.6	209.6	201.2
150°	223.5	227.5	228.8	229.1	228.8	227.5	223.5	218.5	212.5	206.2	198.9
152.5°	217.4	220.6	221.9	222.3	221.9	220.6	217.4	213.2	208.5	202.7	196.2
155°	209.2	211.5	212.5	212.8	212.5	211.5	209.2	205.9	202.2	197.6	192.2
157.5°	201.7	203.6	204.5	204.4	204.5	203.6	201.7	199.1	196.2	192.6	188.2
160°	196.9	198.5	199.2	198.9	199.2	198.5	196.9	194.5	192.2	188.9	185.6
162.5°	192.4	193.7	193.9	193.8	193.9	193.7	192.4	190.6	188.5	185.7	182.6
165°	185.9	186.5	186.5	186.5	186.5	186.5	185.9	184.5	182.9	180.9	178.5
167.5°	179.6	180.2	179.9	179.8	179.9	180.2	179.6	179.0	177.8	176.3	174.7
170°	175.9	176.3	176.3	175.9	176.3	176.3	175.9	175.2	174.6	173.5	172.6
172.5°	172.4	173.1	172.5	172.1	172.5	173.1	172.4	172.3	171.9	171.2	170.1
175°	168.2	168.5	167.9	167.6	167.9	168.5	168.2	168.2	168.2	167.6	167.6
177.5°	165.8	166.0	165.2	165.2	165.2	166.0	165.8	166.0	166.0	166.0	165.8
180°	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2



TEST NUMBER: P333582-830

CATALOG NUMBER: S125RDIP-S1090D365U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7
2.5°	1485.5	1491.2	1494.2	1501.4	1511.6	1516.6	1523.7	1528.8	1536.0	1544.6	1551.7
5°	1389.4	1404.7	1414.9	1430.7	1445.4	1460.0	1478.5	1491.8	1509.6	1529.9	1545.9
7.5°	1300.0	1319.2	1336.1	1357.1	1381.2	1400.1	1424.1	1448.7	1476.5	1505.4	1532.7
10°	1243.0	1262.2	1283.2	1309.2	1333.4	1358.9	1387.4	1416.1	1451.0	1483.6	1520.4
12.5°	1186.6	1207.7	1231.2	1260.4	1289.6	1322.2	1351.3	1383.6	1421.1	1463.2	1502.6
15°	1116.4	1136.8	1162.2	1187.0	1220.8	1256.4	1295.2	1337.8	1379.8	1426.9	1475.9
17.5°	1041.2	1063.7	1091.7	1120.4	1155.9	1197.6	1235.7	1282.3	1329.6	1384.4	1442.1
20°	992.4	1015.3	1048.4	1080.2	1112.7	1153.4	1198.5	1246.2	1296.5	1354.4	1418.6
22.5°	953.8	970.1	1002.6	1034.9	1073.0	1114.7	1158.9	1208.6	1263.4	1323.3	1390.6
25°	896.4	915.4	939.0	972.7	1012.1	1056.0	1100.5	1153.4	1213.1	1274.2	1346.1
27.5°	845.4	861.0	884.3	910.7	950.1	995.6	1042.9	1098.0	1159.3	1221.5	1297.1
30°	809.2	826.3	848.7	876.7	907.8	957.4	1005.8	1059.9	1122.2	1186.5	1264.0
32.5°	777.6	795.3	814.5	841.0	874.7	918.8	968.7	1021.7	1085.1	1151.3	1226.9
35°	733.5	745.6	763.4	789.5	822.6	858.2	909.1	965.1	1026.8	1095.5	1171.2
37.5°	682.9	698.5	716.1	738.9	767.9	806.4	853.8	910.3	967.6	1033.4	1102.5
40°	653.4	668.0	687.7	704.3	734.8	769.8	813.0	872.1	929.4	991.2	1054.1
42.5°	623.3	637.4	654.1	674.7	702.2	736.1	776.4	831.4	892.8	950.9	1003.7
45°	576.4	591.0	606.9	625.9	651.4	684.5	724.6	774.9	828.3	881.7	921.8
47.5°	531.4	545.2	560.2	579.8	603.2	635.2	671.0	715.4	767.3	812.8	841.4
50°	499.4	512.1	528.7	547.7	570.6	600.5	634.9	678.8	722.1	763.4	789.5
52.5°	467.9	482.1	498.6	515.2	537.1	566.9	598.8	636.5	677.8	711.5	733.0
55°	420.5	433.9	449.1	466.3	488.0	513.4	547.1	577.0	609.4	638.1	650.8
57.5°	374.8	386.5	400.9	418.7	438.2	461.8	488.6	517.4	540.3	560.4	574.9
60°	344.8	355.0	368.3	383.6	404.6	426.2	450.4	477.1	494.9	512.1	525.5
62.5°	314.2	324.0	336.8	350.5	369.0	389.1	412.3	433.9	451.2	462.8	478.2
65°	268.4	278.0	288.8	303.4	318.1	334.6	355.6	371.6	383.6	396.3	405.9
67.5°	225.8	233.8	244.0	255.5	267.9	283.7	300.0	313.2	321.5	329.1	340.6
70°	197.8	204.2	212.4	221.4	234.8	250.6	263.3	273.5	279.3	286.9	300.9
72.5°	169.4	176.7	184.5	193.4	204.2	217.5	228.8	238.9	242.6	248.7	257.7
75°	133.6	137.4	143.7	150.1	157.8	169.2	180.0	182.6	185.8	190.9	197.2
77.5°	101.0	104.4	107.0	111.2	117.3	126.5	132.2	136.0	136.8	138.6	145.0
80°	80.1	82.1	84.6	87.8	90.3	97.9	101.1	105.0	106.2	108.1	111.3
82.5°	58.8	60.7	62.2	64.8	69.0	72.0	75.2	79.0	79.3	80.7	81.3
85°	34.3	35.0	33.7	35.0	35.6	36.9	40.1	43.3	42.6	41.9	43.9
87.5°	13.4	13.3	12.6	14.1	12.9	13.4	13.3	13.7	14.5	15.4	16.3
90°	5.7	5.4	4.6	4.3	3.7	3.3	2.6	2.0	1.3	0.7	0.4
92.5°	86.9	107.4	109.1	76.0	45.5	27.3	17.6	11.9	7.7	4.9	4.1
95°	288.8	295.1	240.8	148.9	75.6	40.0	25.0	17.6	13.9	11.3	11.0
97.5°	365.4	315.2	215.1	118.9	65.1	41.6	30.8	24.2	20.5	18.7	18.3
100°	384.1	300.8	191.9	107.9	64.7	45.3	35.3	28.9	25.4	23.9	23.3
102.5°	372.9	275.5	174.3	103.4	67.0	49.9	40.2	34.3	30.3	29.3	28.9
105°	337.1	241.5	157.2	101.6	71.9	57.3	48.0	42.6	39.3	37.6	37.6
107.5°	300.6	218.1	150.1	104.6	79.3	65.1	56.7	51.2	48.4	46.8	46.2
110°	279.8	207.2	147.9	107.6	84.6	71.0	62.3	57.3	54.3	53.0	52.3



TEST NUMBER: P333582-830

CATALOG NUMBER: S125RDIP-S1090D365U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	264.4	200.8	147.9	111.3	89.6	76.5	68.1	63.2	60.1	59.1	58.4
115°	247.5	193.9	148.9	116.9	97.6	85.3	76.9	71.9	69.0	68.0	67.3
117.5°	237.4	190.5	151.1	123.3	105.8	94.1	86.1	80.3	77.4	76.3	75.3
120°	231.9	188.9	153.3	127.6	111.6	99.9	91.6	86.0	82.9	81.6	80.6
122.5°	227.1	187.6	155.0	132.3	117.2	105.6	97.2	91.0	88.0	86.9	86.2
125°	220.6	185.9	158.3	138.9	124.6	113.6	104.9	98.6	95.6	94.0	93.3
127.5°	214.5	185.1	161.7	144.9	131.7	121.1	112.4	105.8	101.9	99.8	98.8
130°	210.6	184.5	163.9	148.9	136.2	125.9	117.3	110.3	105.9	103.3	102.3
132.5°	207.4	184.5	166.3	152.4	140.5	130.2	121.5	114.2	109.4	106.2	104.9
135°	203.5	184.5	169.6	157.2	146.2	135.9	127.0	119.9	114.6	110.6	109.2
137.5°	200.1	184.9	172.6	160.8	150.3	140.9	131.7	124.8	119.4	115.7	114.7
140°	198.5	185.2	173.9	163.2	153.3	143.5	134.6	128.3	122.9	118.9	117.9
142.5°	197.2	185.5	174.7	164.6	155.0	146.0	137.5	131.5	126.1	122.3	121.7
145°	195.2	185.2	175.5	166.5	158.3	149.6	141.9	135.9	131.2	127.9	127.2
147.5°	193.1	184.4	175.9	167.8	160.2	152.6	145.9	140.7	136.4	133.5	133.1
150°	191.5	183.5	175.9	168.5	161.6	154.2	148.5	143.9	139.6	137.2	136.6
152.5°	189.6	182.5	175.6	169.1	162.9	156.1	151.0	146.6	142.8	140.7	140.3
155°	186.5	180.6	174.8	169.6	164.2	158.5	153.9	150.5	147.2	145.2	145.2
157.5°	183.6	178.5	174.0	169.8	165.3	160.5	156.9	154.0	151.2	149.6	149.7
160°	181.3	177.2	173.2	169.8	165.9	161.6	158.5	155.9	153.5	152.2	152.6
162.5°	179.1	175.6	172.4	169.7	166.5	162.6	160.1	158.1	156.0	154.7	155.0
165°	175.9	173.2	171.3	169.2	166.5	163.9	161.9	160.5	158.9	157.9	158.5
167.5°	172.8	170.9	169.4	168.4	166.5	164.4	163.1	162.1	161.3	160.6	161.0
170°	170.9	169.6	168.5	167.9	166.5	164.9	163.9	163.2	162.6	162.2	162.6
172.5°	169.0	168.0	167.5	167.4	166.3	164.9	164.4	164.0	163.3	163.1	163.6
175°	166.5	166.3	166.3	166.5	165.9	164.9	164.9	164.9	164.6	164.2	164.9
177.5°	165.5	165.2	165.2	165.8	165.5	164.9	164.9	165.2	164.9	164.9	165.5
180°	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2



TEST NUMBER: P333582-830

CATALOG NUMBER: S125RDIP-S1090D365U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7
2.5°	1557.4	1561.9	1568.5	1576.1	1582.2	1588.8	1592.4	1592.4	1595.5	1602.1	1610.8
5°	1561.8	1578.3	1594.2	1614.6	1630.5	1648.9	1662.9	1676.3	1688.4	1703.6	1719.6
7.5°	1560.5	1588.0	1616.6	1648.7	1684.0	1712.1	1741.1	1763.7	1786.1	1815.3	1838.3
10°	1555.4	1591.0	1629.8	1670.6	1715.1	1753.9	1788.9	1820.7	1851.2	1883.0	1911.7
12.5°	1546.2	1591.6	1639.0	1687.9	1744.1	1788.5	1833.7	1867.6	1903.2	1938.0	1973.2
15°	1532.5	1585.9	1643.2	1711.3	1780.0	1829.6	1874.2	1918.1	1951.1	1990.6	2024.3
17.5°	1504.1	1573.0	1645.0	1719.4	1785.5	1843.0	1889.8	1931.6	1966.8	2010.2	2056.0
20°	1487.3	1561.8	1636.8	1716.4	1779.3	1838.5	1883.7	1926.9	1970.9	2027.4	2083.4
22.5°	1464.0	1543.4	1623.1	1698.6	1765.1	1822.2	1868.9	1921.8	1979.4	2043.7	2111.4
25°	1426.9	1509.0	1587.9	1659.7	1724.7	1783.2	1846.8	1918.1	1988.0	2072.7	2169.9
27.5°	1380.0	1459.1	1529.5	1605.4	1669.9	1744.4	1823.7	1901.0	2001.9	2118.3	2239.8
30°	1344.8	1419.9	1486.7	1558.6	1631.7	1713.8	1802.9	1893.9	2014.1	2150.9	2295.3
32.5°	1304.1	1372.1	1438.3	1507.7	1592.0	1682.2	1776.9	1888.3	2031.9	2187.5	2337.0
35°	1233.5	1294.6	1358.9	1435.8	1525.5	1623.5	1744.4	1879.9	2053.5	2220.8	2355.0
37.5°	1159.4	1207.7	1272.1	1353.4	1451.0	1564.4	1701.6	1866.2	2044.7	2194.7	2251.9
40°	1102.5	1147.6	1215.7	1301.0	1397.6	1521.7	1675.7	1844.8	2024.3	2128.6	2124.1
42.5°	1045.9	1091.7	1157.2	1242.9	1343.7	1482.5	1641.1	1816.8	1968.3	2008.0	1925.1
45°	959.3	1001.9	1066.2	1152.7	1260.8	1406.6	1573.2	1741.8	1838.5	1774.2	1610.1
47.5°	871.0	912.4	972.0	1056.8	1174.9	1327.3	1484.9	1623.2	1636.8	1498.8	1301.9
50°	813.0	851.8	908.4	998.8	1113.2	1262.2	1414.2	1523.0	1489.2	1320.7	1117.8
52.5°	756.5	793.8	846.9	932.1	1049.1	1195.0	1330.7	1416.1	1338.1	1158.9	976.3
55°	673.1	708.7	762.1	840.4	946.6	1080.2	1199.2	1230.3	1115.8	935.2	787.6
57.5°	593.8	619.9	672.7	741.9	844.3	962.1	1047.4	1041.8	915.4	752.7	646.9
60°	541.4	564.9	615.2	678.8	776.1	881.7	941.5	916.1	788.2	653.9	552.1
62.5°	492.5	514.5	556.7	615.2	698.8	790.6	834.2	799.0	678.3	560.3	479.4
65°	418.6	434.5	468.3	522.3	587.8	651.4	690.2	638.7	531.9	442.8	381.7
67.5°	349.5	363.3	393.2	432.1	477.2	521.1	537.0	488.6	405.5	345.4	302.5
70°	304.7	317.4	337.8	374.1	404.0	435.2	442.8	399.5	330.2	284.4	257.7
72.5°	261.9	273.7	291.5	317.1	337.8	355.7	359.3	319.1	266.1	234.5	213.9
75°	199.7	209.9	221.4	230.9	244.3	247.5	246.2	215.0	186.4	165.4	153.9
77.5°	146.8	151.0	158.1	161.8	162.5	162.2	155.7	136.0	121.2	112.6	107.9
80°	113.2	116.4	118.3	119.6	120.3	113.9	106.9	94.8	89.7	84.6	78.9
82.5°	82.2	84.4	86.2	86.5	83.0	77.8	71.3	65.2	61.7	59.2	57.0
85°	44.5	45.1	44.5	41.4	36.9	35.0	33.7	32.4	31.8	31.2	31.2
87.5°	15.9	14.5	12.1	12.7	12.9	12.4	12.5	12.2	11.8	11.8	11.9
90°	0.7	1.3	2.0	2.6	3.3	3.7	4.3	4.6	5.4	5.7	6.0
92.5°	4.9	7.7	11.9	17.6	27.3	45.5	76.0	109.1	107.4	86.9	59.0
95°	11.3	13.9	17.6	25.0	40.0	75.6	148.9	240.8	295.1	288.8	239.5
97.5°	18.7	20.5	24.2	30.8	41.6	65.1	118.9	215.1	315.2	365.4	356.7
100°	23.9	25.4	28.9	35.3	45.3	64.7	107.9	191.9	300.8	384.1	409.7
102.5°	29.3	30.3	34.3	40.2	49.9	67.0	103.4	174.3	275.5	372.9	427.5
105°	37.6	39.3	42.6	48.0	57.3	71.9	101.6	157.2	241.5	337.1	417.1
107.5°	46.8	48.4	51.2	56.7	65.1	79.3	104.6	150.1	218.1	300.6	379.5
110°	53.0	54.3	57.3	62.3	71.0	84.6	107.6	147.9	207.2	279.8	351.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	59.1	60.1	63.2	68.1	76.5	89.6	111.3	147.9	200.8	264.4	329.9
115°	68.0	69.0	71.9	76.9	85.3	97.6	116.9	148.9	193.9	247.5	302.5
117.5°	76.3	77.4	80.3	86.1	94.1	105.8	123.3	151.1	190.5	237.4	284.7
120°	81.6	82.9	86.0	91.6	99.9	111.6	127.6	153.3	188.9	231.9	275.1
122.5°	86.9	88.0	91.0	97.2	105.6	117.2	132.3	155.0	187.6	227.1	268.0
125°	94.0	95.6	98.6	104.9	113.6	124.6	138.9	158.3	185.9	220.6	257.5
127.5°	99.8	101.9	105.8	112.4	121.1	131.7	144.9	161.7	185.1	214.5	246.9
130°	103.3	105.9	110.3	117.3	125.9	136.2	148.9	163.9	184.5	210.6	240.2
132.5°	106.2	109.4	114.2	121.5	130.2	140.5	152.4	166.3	184.5	207.4	233.5
135°	110.6	114.6	119.9	127.0	135.9	146.2	157.2	169.6	184.5	203.5	224.9
137.5°	115.7	119.4	124.8	131.7	140.9	150.3	160.8	172.6	184.9	200.1	217.5
140°	118.9	122.9	128.3	134.6	143.5	153.3	163.2	173.9	185.2	198.5	213.5
142.5°	122.3	126.1	131.5	137.5	146.0	155.0	164.6	174.7	185.5	197.2	210.1
145°	127.9	131.2	135.9	141.9	149.6	158.3	166.5	175.5	185.2	195.2	205.6
147.5°	133.5	136.4	140.7	145.9	152.6	160.2	167.8	175.9	184.4	193.1	201.2
150°	137.2	139.6	143.9	148.5	154.2	161.6	168.5	175.9	183.5	191.5	198.9
152.5°	140.7	142.8	146.6	151.0	156.1	162.9	169.1	175.6	182.5	189.6	196.2
155°	145.2	147.2	150.5	153.9	158.5	164.2	169.6	174.8	180.6	186.5	192.2
157.5°	149.6	151.2	154.0	156.9	160.5	165.3	169.8	174.0	178.5	183.6	188.2
160°	152.2	153.5	155.9	158.5	161.6	165.9	169.8	173.2	177.2	181.3	185.6
162.5°	154.7	156.0	158.1	160.1	162.6	166.5	169.7	172.4	175.6	179.1	182.6
165°	157.9	158.9	160.5	161.9	163.9	166.5	169.2	171.3	173.2	175.9	178.5
167.5°	160.6	161.3	162.1	163.1	164.4	166.5	168.4	169.4	170.9	172.8	174.7
170°	162.2	162.6	163.2	163.9	164.9	166.5	167.9	168.5	169.6	170.9	172.6
172.5°	163.1	163.3	164.0	164.4	164.9	166.3	167.4	167.5	168.0	169.0	170.1
175°	164.2	164.6	164.9	164.9	164.9	165.9	166.5	166.3	166.3	166.5	167.6
177.5°	164.9	164.9	165.2	164.9	164.9	165.5	165.8	165.2	165.2	165.5	165.8
180°	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7
2.5°	1617.4	1617.4	1626.1	1625.5	1631.2	1629.1	1630.1
5°	1738.6	1749.5	1759.0	1765.4	1774.9	1777.4	1776.1
7.5°	1864.3	1888.4	1900.1	1916.1	1919.0	1927.4	1926.6
10°	1942.2	1965.8	1983.6	1997.5	2004.5	2013.5	2014.1
12.5°	2003.3	2023.3	2039.0	2052.0	2060.5	2063.3	2065.0
15°	2051.0	2073.2	2091.7	2110.2	2121.0	2129.2	2133.7
17.5°	2099.0	2133.4	2166.0	2191.0	2206.1	2218.8	2218.7
20°	2136.3	2175.7	2216.4	2245.0	2274.3	2287.0	2288.9
22.5°	2176.0	2236.3	2288.7	2333.1	2371.4	2384.7	2389.7
25°	2258.3	2337.2	2418.1	2480.4	2524.9	2551.0	2554.9
27.5°	2358.0	2464.7	2549.8	2607.3	2644.3	2663.6	2667.8
30°	2428.3	2526.9	2603.2	2646.5	2663.6	2666.2	2656.7
32.5°	2459.8	2533.5	2564.0	2561.5	2527.7	2505.4	2496.8
35°	2421.2	2405.9	2331.6	2242.5	2174.4	2131.2	2119.7
37.5°	2203.4	2071.7	1934.9	1800.3	1728.6	1692.1	1629.6
40°	1988.7	1801.0	1658.5	1545.2	1464.4	1399.6	1384.3
42.5°	1746.4	1552.7	1410.1	1313.2	1248.7	1204.1	1184.8
45°	1403.4	1236.7	1119.0	1044.6	994.9	962.5	947.9
47.5°	1122.5	993.4	907.7	852.6	814.8	786.6	778.6
50°	968.3	865.2	792.7	746.2	717.6	696.0	687.0
52.5°	841.0	757.8	702.1	663.7	636.7	623.2	615.8
55°	694.1	622.2	582.1	551.6	536.3	525.5	520.4
57.5°	567.6	515.7	486.4	465.3	451.2	444.3	441.8
60°	496.8	456.1	429.4	412.8	403.3	394.5	391.9
62.5°	434.2	402.2	381.5	367.0	357.5	353.7	352.1
65°	349.9	328.9	313.6	304.7	297.1	295.8	295.2
67.5°	278.1	265.8	257.8	248.5	245.8	241.4	240.4
70°	237.9	229.7	220.1	217.0	213.8	209.3	209.9
72.5°	201.8	193.5	187.0	182.9	181.7	179.7	181.4
75°	147.6	145.1	142.5	139.3	138.1	138.1	137.4
77.5°	105.4	103.2	100.4	98.5	98.1	95.4	96.4
80°	76.3	73.1	71.9	72.5	70.6	69.9	69.9
82.5°	56.5	55.3	54.1	54.2	53.8	53.2	53.7
85°	31.2	30.5	30.5	29.9	29.9	29.2	29.2
87.5°	12.4	13.0	12.2	11.7	11.7	12.3	12.7
90°	6.3	6.7	7.4	7.4	7.4	7.6	7.6
92.5°	42.8	32.2	27.3	23.1	22.2	21.8	21.2
95°	188.9	147.9	119.9	96.2	86.2	83.6	78.3
97.5°	321.2	281.3	242.3	221.8	203.1	193.5	189.2
100°	393.4	359.1	324.4	301.4	277.5	265.1	259.9
102.5°	437.6	421.2	397.8	373.2	356.1	342.7	338.7
105°	462.7	477.3	473.7	463.0	452.0	445.4	441.4
107.5°	440.4	478.0	495.4	500.8	500.8	498.5	495.9
110°	415.1	462.0	490.3	505.3	511.6	514.0	514.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	390.0	437.5	470.9	492.8	503.7	509.4	511.9
115°	354.1	399.7	436.0	462.0	478.0	487.3	491.6
117.5°	329.2	368.5	401.9	427.8	444.4	453.6	456.3
120°	315.1	351.8	381.1	405.8	421.7	430.7	433.4
122.5°	305.0	337.6	365.0	387.1	401.7	410.8	413.1
125°	291.4	320.5	344.4	363.1	376.7	384.1	387.4
127.5°	278.5	305.6	328.0	345.0	357.0	363.9	365.4
130°	269.5	295.5	317.2	333.8	344.8	351.5	353.5
132.5°	261.0	284.6	305.4	322.1	333.0	339.1	341.4
135°	247.8	269.2	288.1	302.8	313.8	319.8	321.8
137.5°	236.1	253.8	269.9	283.0	293.0	298.6	300.8
140°	229.1	244.5	258.4	270.8	279.5	284.5	286.2
142.5°	223.3	236.5	248.6	259.1	266.5	271.2	272.6
145°	215.8	226.2	235.2	243.2	248.8	252.5	253.8
147.5°	209.6	217.6	224.4	230.7	235.3	237.3	238.0
150°	206.2	212.5	218.5	223.5	227.5	228.8	229.1
152.5°	202.7	208.5	213.2	217.4	220.6	221.9	222.3
155°	197.6	202.2	205.9	209.2	211.5	212.5	212.8
157.5°	192.6	196.2	199.1	201.7	203.6	204.5	204.4
160°	188.9	192.2	194.5	196.9	198.5	199.2	198.9
162.5°	185.7	188.5	190.6	192.4	193.7	193.9	193.8
165°	180.9	182.9	184.5	185.9	186.5	186.5	186.5
167.5°	176.3	177.8	179.0	179.6	180.2	179.9	179.8
170°	173.5	174.6	175.2	175.9	176.3	176.3	175.9
172.5°	171.2	171.9	172.3	172.4	173.1	172.5	172.1
175°	167.6	168.2	168.2	168.2	168.5	167.9	167.6
177.5°	166.0	166.0	166.0	165.8	166.0	165.2	165.2
180°	165.2	165.2	165.2	165.2	165.2	165.2	165.2

(END OF REPORT)