

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: P333365-830

Luminaire Tested: **S125DIW-S375D1560U830-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333365-830
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: S125DIW-S375D1560U830-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1560 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6549.0 lumens
Efficiency: N/A
Efficacy: 122.6 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-Indirect

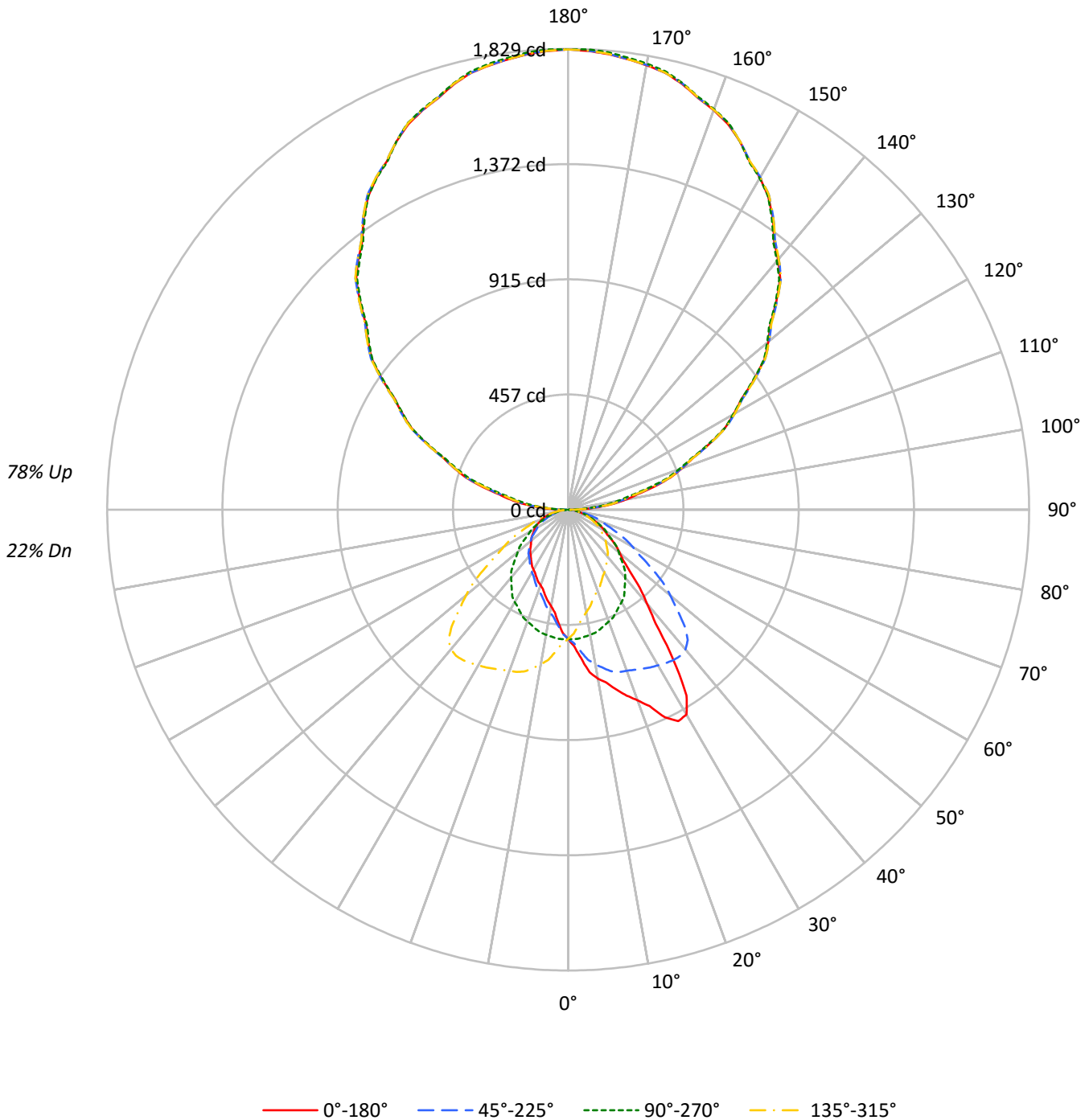
Input Watts (W): 53.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	101	101	101	89	89	89	89	68	68	68	48	48	48	31	31	31	22
1	92	88	84	81	81	78	75	72	59	57	56	43	41	40	27	26	26	19
2	83	76	71	66	74	68	63	59	52	49	46	37	35	34	24	23	22	16
3	76	67	60	55	67	60	54	49	46	42	39	33	31	29	21	20	19	14
4	70	59	52	46	61	53	47	42	41	36	33	30	27	24	19	17	16	12
5	64	53	45	39	56	47	41	36	36	32	28	26	23	21	17	15	14	10
6	59	47	39	34	52	42	36	31	33	28	24	24	21	18	15	14	12	9
7	54	42	35	30	48	38	31	27	29	25	21	22	18	16	14	12	11	8
8	50	38	31	26	44	34	28	24	27	22	19	20	17	14	13	11	10	7
9	46	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9	6
10	43	32	25	20	38	28	22	18	22	18	15	16	13	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3314	3314	3314	3314
5°	3837	3325	2912	3325
10°	4465	3308	2551	3308
15°	4942	3284	2353	3284
20°	5532	3245	2194	3245
25°	6481	3202	2117	3202
30°	7000	3159	2049	3159
35°	5755	3079	2006	3079
40°	4091	2967	1957	2967
45°	3143	2817	1929	2817
50°	2683	2629	1925	2629
55°	2389	2448	1942	2448
60°	2155	2248	1992	2248
65°	1991	2046	2043	2046
70°	1811	1839	2073	1839
75°	1597	1619	2054	1619
80°	1346	1320	1878	1320
85°	1067	948	1519	948



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.4	0.8
10°-20°	147.1	2.2
20°-30°	238.8	3.6
30°-40°	291.3	4.4
40°-50°	265.0	4.0
50°-60°	211.1	3.2
60°-70°	147.0	2.2
70°-80°	78.4	1.2
80°-90°	23.8	0.4
90°-100°	122.3	1.9
100°-110°	361.3	5.5
110°-120°	611.9	9.3
120°-130°	805.3	12.3
130°-140°	902.4	13.8
140°-150°	884.4	13.5
150°-160°	742.8	11.3
160°-170°	493.8	7.5
170°-180°	172.8	2.6
0°-30°	435.3	6.6
0°-40°	726.6	11.1
0°-60°	1202.7	18.4
0°-90°	1451.9	22.2
90°-120°	1095.5	16.7
90°-150°	3687.7	56.3
90°-180°	5097.0	77.8
0°-180°	6549.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	513	513	513	513	513	
5°	592	513	449	513	592	60
15°	739	491	352	491	739	212
25°	910	449	297	449	910	415
35°	730	390	254	390	730	447
45°	344	308	211	308	344	275
55°	212	217	172	217	212	191
65°	130	134	134	134	130	129
75°	64	65	82	65	64	69
85°	14	13	20	13	14	18
90°	34	1	34	1	34	20
95°	122	92	122	92	122	124
105°	352	324	352	324	352	373
115°	618	613	618	613	618	612
125°	900	894	900	894	900	803
135°	1167	1163	1167	1163	1167	900
145°	1414	1409	1414	1409	1414	883
155°	1612	1612	1612	1612	1612	742
165°	1748	1753	1748	1753	1748	493
175°	1815	1822	1815	1822	1815	172
180°	1827	1827	1827	1827	1827	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1
2.5°	542.7	542.1	541.3	540.0	541.0	538.0	536.7	534.2	531.2	530.2	529.0
5°	591.9	593.0	594.2	589.6	590.0	586.9	579.9	574.3	569.8	563.8	559.7
7.5°	651.2	648.7	648.4	645.5	640.4	636.2	629.0	619.6	610.6	600.3	591.8
10°	680.8	681.1	679.1	675.6	670.1	666.2	656.7	647.5	636.4	623.3	614.0
12.5°	703.1	704.1	701.5	696.8	694.2	685.4	677.9	667.0	653.8	643.4	629.1
15°	739.1	736.8	735.1	729.2	724.6	715.5	703.5	692.1	677.8	664.5	651.2
17.5°	773.9	775.9	772.6	767.2	753.0	742.3	726.3	710.8	692.9	675.0	659.2
20°	804.9	806.7	801.7	792.3	775.3	764.7	743.6	723.5	702.9	680.0	662.5
22.5°	843.7	842.3	835.5	821.2	806.5	786.8	763.9	739.5	713.6	687.8	664.6
25°	909.5	900.3	896.2	878.5	859.2	830.2	798.9	763.2	730.9	696.7	667.1
27.5°	946.0	943.1	938.5	926.2	905.9	874.9	837.9	794.4	748.9	705.8	666.9
30°	938.7	939.1	939.5	935.7	922.6	899.3	862.4	815.7	761.6	713.0	668.2
32.5°	873.8	881.7	889.4	898.3	902.0	897.5	874.5	832.2	776.6	721.4	667.5
35°	730.0	732.4	757.1	781.5	814.5	840.3	857.4	838.7	791.9	728.5	666.7
37.5°	569.2	581.0	598.0	625.6	673.4	716.1	771.2	796.4	781.4	730.8	665.2
40°	485.2	496.2	507.3	535.4	575.6	627.5	689.9	743.3	755.7	723.5	659.9
42.5°	420.5	429.0	441.4	462.5	496.2	542.1	601.8	671.6	714.4	702.3	648.9
45°	344.1	349.6	359.1	375.9	400.3	436.2	488.9	565.1	631.6	653.6	622.9
47.5°	294.5	294.5	302.0	313.5	331.1	361.7	400.7	460.3	531.3	583.8	581.4
50°	267.0	265.9	271.8	281.8	295.8	316.0	353.3	401.0	469.1	528.6	545.2
52.5°	243.3	243.5	247.0	254.5	266.2	283.4	311.2	354.3	412.5	473.5	504.7
55°	212.2	211.2	215.4	220.4	228.9	240.3	260.2	293.1	340.4	400.5	441.0
57.5°	183.5	186.0	187.6	191.1	198.1	205.8	222.6	246.8	284.3	335.8	378.6
60°	166.8	169.2	170.5	174.0	179.6	186.2	199.3	218.9	250.4	294.9	337.3
62.5°	151.8	153.7	154.2	157.3	161.9	168.2	178.5	195.0	220.0	258.8	300.4
65°	130.3	130.3	131.1	134.4	136.6	142.2	150.1	162.0	182.1	212.4	247.9
67.5°	109.4	110.5	110.3	111.7	113.7	118.1	123.7	133.6	148.5	170.5	199.0
70°	95.9	96.7	96.5	97.6	99.7	102.5	107.2	116.5	127.1	146.1	170.5
72.5°	83.6	84.0	83.4	84.8	86.1	88.6	93.8	98.8	108.7	124.7	144.8
75°	64.0	64.5	64.9	65.8	67.1	68.4	71.0	76.0	82.6	94.5	107.4
77.5°	48.0	47.1	48.3	48.1	48.8	49.9	52.1	54.8	60.1	67.8	77.7
80°	36.2	36.4	36.4	36.6	37.7	38.4	40.2	42.2	46.4	52.0	59.0
82.5°	26.4	27.0	26.6	27.1	27.9	28.4	29.5	31.1	33.5	38.0	43.0
85°	14.4	13.3	13.8	14.1	14.1	14.4	15.3	15.9	17.2	18.9	20.9
87.5°	11.0	11.1	11.1	10.9	10.9	10.7	11.0	10.7	10.9	11.2	11.4
90°	34.1	33.2	32.2	31.3	30.3	29.0	27.5	25.9	24.3	22.7	20.5
92.5°	67.1	66.4	65.7	65.0	64.3	63.0	60.8	58.7	56.6	54.6	51.8
95°	122.2	121.6	121.0	120.4	119.7	118.3	116.1	113.9	111.7	109.4	106.3
97.5°	185.4	185.0	184.6	184.3	183.9	182.6	180.5	178.4	176.3	174.3	169.9
100°	233.1	232.5	231.9	231.2	230.6	228.8	226.0	223.2	220.4	217.4	213.4
102.5°	280.9	280.0	279.1	278.2	277.4	275.3	272.3	269.2	266.1	263.0	260.9
105°	352.5	351.6	350.6	349.7	348.7	347.3	345.4	343.6	341.7	339.8	337.8
107.5°	425.8	425.9	426.0	426.0	426.1	425.7	424.7	423.8	422.8	421.9	420.5
110°	480.5	480.8	481.1	481.5	481.7	481.5	480.5	479.6	478.5	477.6	476.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	534.0	534.5	535.1	535.6	536.2	536.2	535.8	535.4	534.9	534.5	533.3
115°	618.4	618.7	619.0	619.3	619.6	619.9	620.3	620.6	620.9	621.2	620.6
117.5°	700.8	702.1	703.3	704.6	705.9	706.3	706.2	705.9	705.6	705.4	704.7
120°	757.7	758.9	760.2	761.5	762.7	763.4	763.4	763.4	763.4	763.4	763.0
122.5°	814.5	815.5	816.5	817.6	818.6	819.2	819.4	819.7	819.9	820.2	819.4
125°	899.8	900.1	900.4	900.8	901.1	901.5	902.2	902.9	903.4	904.1	903.8
127.5°	981.7	982.3	983.0	983.5	984.2	984.7	985.1	985.3	985.6	986.0	985.6
130°	1036.3	1036.9	1037.6	1038.2	1038.8	1039.2	1039.6	1039.9	1040.2	1040.6	1039.9
132.5°	1087.4	1088.4	1089.2	1090.1	1091.0	1091.6	1091.9	1092.2	1092.5	1092.9	1093.0
135°	1167.1	1168.3	1169.6	1170.8	1172.1	1172.7	1172.7	1172.7	1172.7	1172.7	1172.4
137.5°	1244.9	1246.5	1248.1	1249.7	1251.3	1251.9	1251.5	1251.1	1250.8	1250.4	1249.6
140°	1295.0	1296.6	1298.2	1299.8	1301.3	1301.7	1301.2	1300.5	1299.9	1299.3	1298.4
142.5°	1342.7	1344.3	1346.0	1347.5	1349.1	1349.7	1349.2	1348.9	1348.5	1348.1	1347.0
145°	1414.4	1415.3	1416.3	1417.2	1418.1	1418.6	1418.6	1418.6	1418.6	1418.6	1417.7
147.5°	1475.6	1477.7	1479.8	1482.0	1484.1	1484.8	1484.0	1483.3	1482.5	1481.8	1481.0
150°	1521.0	1521.6	1522.3	1522.9	1523.5	1523.9	1523.9	1523.9	1523.9	1523.9	1522.6
152.5°	1558.6	1559.7	1560.9	1562.0	1563.1	1563.3	1562.5	1561.8	1561.0	1560.3	1559.7
155°	1612.0	1613.5	1615.1	1616.7	1618.3	1618.4	1617.2	1615.9	1614.7	1613.4	1613.1
157.5°	1656.6	1658.7	1660.8	1662.8	1665.0	1665.4	1664.2	1662.8	1661.6	1660.3	1660.0
160°	1687.3	1688.9	1690.5	1692.1	1693.7	1693.8	1692.5	1691.3	1690.0	1688.8	1688.5
162.5°	1713.4	1715.3	1717.1	1719.0	1720.8	1721.0	1719.5	1718.0	1716.5	1714.9	1714.9
165°	1748.4	1750.4	1752.3	1754.2	1756.1	1756.3	1755.1	1753.8	1752.6	1751.3	1751.0
167.5°	1776.3	1778.3	1780.3	1782.2	1784.1	1784.1	1782.3	1780.4	1778.5	1776.6	1776.6
170°	1791.1	1793.3	1795.5	1797.7	1800.0	1800.1	1798.2	1796.3	1794.4	1792.5	1792.5
172.5°	1803.6	1805.5	1807.5	1809.5	1811.5	1811.5	1809.6	1807.7	1805.8	1803.9	1803.9
175°	1815.2	1817.5	1819.7	1821.9	1824.1	1824.3	1822.4	1820.5	1818.5	1816.7	1816.7
177.5°	1822.1	1823.8	1825.6	1827.4	1829.2	1829.3	1827.8	1826.3	1824.8	1823.3	1823.4
180°	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1
2.5°	527.9	526.7	525.3	522.8	519.9	518.3	515.9	514.3	511.2	508.6	505.8
5°	554.7	549.0	543.8	537.1	529.7	524.9	519.2	512.9	506.3	499.6	492.2
7.5°	582.5	572.4	561.6	549.9	538.4	527.8	517.7	507.9	498.7	487.5	478.1
10°	601.1	588.4	575.0	559.1	543.6	530.1	516.4	504.4	492.2	479.2	467.6
12.5°	619.7	602.9	583.8	566.4	547.8	531.5	515.4	500.0	484.7	470.2	456.8
15°	632.9	618.1	600.5	575.6	554.7	532.3	511.0	491.2	472.6	456.5	439.5
17.5°	641.6	622.5	603.5	579.8	552.3	527.3	503.0	480.3	459.5	439.0	422.7
20°	643.1	623.5	603.7	580.4	552.3	523.6	499.4	472.2	449.8	428.6	408.6
22.5°	642.6	620.4	598.8	574.9	547.4	520.9	491.7	464.0	439.6	418.9	397.9
25°	637.7	614.0	586.9	562.8	535.7	507.7	478.1	449.3	424.5	400.8	380.0
27.5°	633.6	602.9	572.2	544.0	517.9	492.2	463.8	434.4	406.9	382.9	363.4
30°	628.6	594.7	560.3	530.9	504.2	479.2	452.3	423.6	394.8	371.4	350.4
32.5°	624.1	584.7	548.4	516.3	488.0	463.6	438.9	411.6	383.3	359.5	338.6
35°	615.3	569.8	528.1	492.0	461.8	436.7	415.9	390.5	364.6	341.5	321.5
37.5°	604.2	550.2	505.5	467.6	434.4	408.0	388.8	369.2	344.3	322.1	304.0
40°	595.4	536.2	488.9	450.2	415.8	388.3	370.4	351.9	331.3	310.6	291.4
42.5°	584.5	523.7	472.2	430.5	396.4	369.7	350.9	335.3	317.0	297.7	279.9
45°	564.3	501.0	445.2	400.3	365.9	339.5	320.2	308.4	294.6	276.4	261.4
47.5°	534.6	473.6	415.9	369.7	334.1	309.7	291.5	280.2	270.6	257.0	243.4
50°	508.3	453.3	394.8	348.9	313.4	288.8	272.0	261.7	253.5	243.1	231.5
52.5°	478.9	427.6	374.1	328.7	293.5	269.3	252.9	243.8	237.0	229.5	218.1
55°	432.1	388.5	338.8	295.8	263.3	239.6	225.2	217.4	211.7	206.0	199.1
57.5°	380.6	346.5	302.6	263.1	233.2	211.6	198.2	190.6	186.2	183.2	179.2
60°	344.3	315.2	277.3	241.3	212.2	192.9	179.9	174.0	170.3	168.0	164.9
62.5°	310.7	286.7	251.7	218.9	193.3	175.2	163.5	157.8	154.3	153.1	150.6
65°	261.2	242.6	213.7	186.4	164.7	149.2	139.4	133.9	131.8	130.4	130.6
67.5°	212.3	201.0	177.8	154.6	137.1	124.2	116.3	112.2	111.0	109.3	109.3
70°	182.5	174.0	154.4	134.1	118.7	108.7	101.7	97.4	96.2	95.4	95.2
72.5°	156.2	148.7	131.8	115.6	101.6	92.8	87.1	84.5	82.7	82.2	82.1
75°	117.3	113.3	99.7	86.9	77.3	71.3	67.3	64.9	63.6	63.3	63.6
77.5°	83.4	79.8	71.3	62.1	56.1	51.5	48.2	47.3	45.9	45.9	45.7
80°	62.7	60.3	54.9	47.7	42.7	38.7	37.0	35.5	35.1	34.4	35.1
82.5°	45.4	42.9	39.2	34.6	30.4	28.2	26.4	25.9	25.6	25.4	25.4
85°	22.4	22.6	20.5	17.0	15.3	13.9	12.8	12.8	12.6	12.4	12.6
87.5°	11.3	10.6	9.4	8.4	7.1	6.0	5.3	5.0	5.0	5.3	5.9
90°	18.3	16.1	13.9	11.5	9.0	6.5	4.0	1.4	4.0	6.5	9.0
92.5°	49.1	46.5	43.7	41.5	39.7	38.0	36.2	34.4	36.2	38.0	39.7
95°	103.1	100.0	96.8	94.9	94.3	93.7	93.0	92.4	93.0	93.7	94.3
97.5°	165.6	161.2	156.8	154.6	154.3	154.0	153.7	153.5	153.7	154.0	154.3
100°	209.2	205.2	201.0	199.0	199.0	199.0	199.0	199.0	199.0	199.0	199.0
102.5°	258.8	256.7	254.7	253.0	251.7	250.4	249.2	247.9	249.2	250.4	251.7
105°	335.9	334.0	332.2	330.5	328.9	327.3	325.6	324.1	325.6	327.3	328.9
107.5°	419.0	417.5	416.1	414.5	413.0	411.4	409.8	408.2	409.8	411.4	413.0
110°	475.7	474.8	473.8	472.6	471.0	469.4	467.9	466.3	467.9	469.4	471.0



TEST NUMBER: P333365-830

CATALOG NUMBER: S125DIW-S375D1560U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	532.1	530.8	529.7	528.7	527.8	527.1	526.2	525.4	526.2	527.1	527.8
115°	619.9	619.3	618.7	617.7	616.4	615.2	614.0	612.7	614.0	615.2	616.4
117.5°	704.2	703.6	703.0	702.5	701.9	701.3	700.8	700.2	700.8	701.3	701.9
120°	762.7	762.4	762.0	761.1	759.6	758.0	756.4	754.8	756.4	758.0	759.6
122.5°	818.6	817.7	816.9	816.2	815.7	815.1	814.5	814.0	814.5	815.1	815.7
125°	903.4	903.1	902.9	901.7	899.8	898.0	896.0	894.1	896.0	898.0	899.8
127.5°	985.2	984.9	984.5	983.7	982.6	981.6	980.5	979.4	980.5	981.6	982.6
130°	1039.2	1038.7	1038.0	1036.9	1035.3	1033.8	1032.2	1030.6	1032.2	1033.8	1035.3
132.5°	1093.1	1093.3	1093.3	1092.1	1089.6	1086.9	1084.4	1081.8	1084.4	1086.9	1089.6
135°	1172.1	1171.8	1171.5	1170.4	1168.5	1166.6	1164.7	1162.8	1164.7	1166.6	1168.5
137.5°	1249.0	1248.3	1247.5	1246.3	1244.4	1242.6	1240.9	1239.0	1240.9	1242.6	1244.4
140°	1297.4	1296.4	1295.4	1294.2	1292.6	1291.0	1289.5	1287.9	1289.5	1291.0	1292.6
142.5°	1345.8	1344.5	1343.3	1342.1	1340.8	1339.4	1338.1	1336.8	1338.1	1339.4	1340.8
145°	1416.7	1415.8	1414.9	1413.8	1412.5	1411.3	1409.9	1408.7	1409.9	1411.3	1412.5
147.5°	1480.3	1479.5	1478.8	1478.0	1477.3	1476.6	1475.9	1475.3	1475.9	1476.6	1477.3
150°	1521.4	1520.0	1518.8	1518.3	1518.6	1519.0	1519.3	1519.6	1519.3	1519.0	1518.6
152.5°	1559.2	1558.8	1558.2	1557.7	1557.3	1556.9	1556.4	1555.9	1556.4	1556.9	1557.3
155°	1612.8	1612.5	1612.1	1612.0	1612.0	1612.0	1612.0	1612.0	1612.0	1612.0	1612.0
157.5°	1659.7	1659.3	1659.1	1659.3	1659.9	1660.7	1661.3	1662.0	1661.3	1660.7	1659.9
160°	1688.1	1687.8	1687.5	1687.8	1688.8	1689.7	1690.6	1691.6	1690.6	1689.7	1688.8
162.5°	1714.8	1714.7	1714.7	1715.0	1715.7	1716.4	1717.0	1717.8	1717.0	1716.4	1715.7
165°	1750.7	1750.4	1750.0	1750.2	1750.9	1751.4	1752.1	1752.8	1752.1	1751.4	1750.9
167.5°	1776.6	1776.6	1776.6	1777.3	1778.5	1779.8	1781.0	1782.3	1781.0	1779.8	1778.5
170°	1792.5	1792.5	1792.5	1793.2	1794.4	1795.6	1797.0	1798.2	1797.0	1795.6	1794.4
172.5°	1803.9	1803.9	1803.9	1804.5	1805.8	1807.0	1808.4	1809.6	1808.4	1807.0	1805.8
175°	1816.7	1816.7	1816.7	1817.3	1818.5	1819.9	1821.1	1822.4	1821.1	1819.9	1818.5
177.5°	1823.7	1824.0	1824.2	1824.9	1825.9	1826.9	1827.9	1828.9	1827.9	1826.9	1825.9
180°	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6



TEST NUMBER: P333365-830

CATALOG NUMBER: S125DIW-S375D1560U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1
2.5°	504.3	502.3	500.8	497.3	495.3	492.8	490.7	492.9	490.5	491.5	489.9
5°	488.5	482.4	478.1	471.7	466.3	461.3	457.6	456.9	455.2	454.3	451.7
7.5°	469.6	461.9	454.5	446.2	439.2	432.2	427.6	423.9	421.4	418.1	415.8
10°	458.5	448.2	439.5	429.5	420.8	413.1	407.1	404.0	401.1	397.0	395.5
12.5°	444.7	434.1	423.5	412.7	404.4	395.9	390.7	386.1	384.1	379.5	379.0
15°	428.2	412.3	401.8	391.0	379.4	372.4	368.1	363.1	360.9	357.6	355.2
17.5°	408.5	394.3	381.3	369.9	360.1	354.2	348.7	345.3	341.6	339.4	335.5
20°	394.2	380.7	367.6	355.6	348.0	341.3	337.0	333.7	329.7	328.7	324.7
22.5°	382.2	367.3	354.8	344.7	336.4	328.8	324.0	321.8	319.1	315.8	315.0
25°	362.6	347.1	336.5	326.5	319.1	312.1	308.9	306.0	303.4	301.0	300.1
27.5°	345.7	331.9	319.2	310.2	303.7	297.4	294.5	291.1	289.2	287.2	284.8
30°	333.8	319.7	308.6	299.9	292.9	287.3	284.2	281.8	280.1	278.3	277.0
32.5°	321.7	308.6	297.8	289.3	282.3	278.1	275.3	273.6	271.7	269.7	268.0
35°	305.6	291.2	280.7	273.3	267.9	264.6	261.6	260.0	257.9	257.9	256.1
37.5°	287.4	274.9	265.7	259.0	254.1	251.2	247.9	246.9	245.4	244.5	243.9
40°	276.6	265.0	256.4	249.6	244.4	242.0	239.3	237.6	236.8	235.6	235.3
42.5°	265.4	254.4	246.1	239.9	235.3	233.3	230.8	229.6	227.8	226.4	226.1
45°	248.5	237.8	230.2	225.2	221.3	218.9	217.4	214.7	213.9	212.2	211.9
47.5°	232.4	222.2	214.7	210.6	207.2	205.2	202.8	200.2	199.2	198.3	198.2
50°	220.4	211.0	204.1	200.2	196.9	194.1	191.6	189.9	189.3	189.3	189.7
52.5°	208.2	200.2	194.4	189.5	186.4	183.4	181.2	180.1	179.2	180.2	181.0
55°	190.4	182.3	178.0	173.3	170.3	166.8	165.7	165.3	164.7	166.4	167.3
57.5°	171.4	165.8	160.7	156.2	153.4	151.4	150.0	149.7	150.9	151.7	154.6
60°	159.4	152.9	148.4	144.9	141.6	140.3	139.8	139.4	140.3	142.6	146.4
62.5°	146.2	140.9	135.9	133.4	130.9	128.8	128.7	128.9	130.6	133.5	137.1
65°	126.8	122.2	118.9	115.8	113.9	112.6	113.0	113.9	115.8	119.6	123.7
67.5°	107.0	103.9	100.9	98.5	96.6	96.6	97.1	98.4	100.7	104.9	108.7
70°	94.3	90.9	88.4	87.4	85.8	84.9	86.2	88.4	90.4	94.3	97.6
72.5°	81.6	78.6	76.7	76.0	75.3	74.6	75.1	77.5	80.1	84.0	87.8
75°	62.7	61.6	60.3	59.5	58.8	59.3	59.7	61.8	64.0	68.1	72.5
77.5°	45.8	44.7	43.8	43.6	43.3	43.5	44.8	46.4	48.4	51.5	54.8
80°	34.6	34.2	33.7	33.6	33.6	33.7	35.5	36.6	38.5	41.4	44.0
82.5°	25.3	25.0	24.9	24.8	25.0	25.1	26.1	27.5	29.1	31.3	33.6
85°	13.3	12.8	13.5	13.8	13.3	13.9	14.4	15.3	15.9	17.0	18.1
87.5°	6.7	7.4	7.7	8.4	8.8	9.6	9.7	10.7	11.4	12.1	12.2
90°	11.5	13.9	16.1	18.3	20.5	22.7	24.3	25.9	27.5	29.0	30.3
92.5°	41.5	43.7	46.5	49.1	51.8	54.6	56.6	58.7	60.8	63.0	64.3
95°	94.9	96.8	100.0	103.1	106.3	109.4	111.7	113.9	116.1	118.3	119.7
97.5°	154.6	156.8	161.2	165.6	169.9	174.3	176.3	178.4	180.5	182.6	183.9
100°	199.0	201.0	205.2	209.2	213.4	217.4	220.4	223.2	226.0	228.8	230.6
102.5°	253.0	254.7	256.7	258.8	260.9	263.0	266.1	269.2	272.3	275.3	277.4
105°	330.5	332.2	334.0	335.9	337.8	339.8	341.7	343.6	345.4	347.3	348.7
107.5°	414.5	416.1	417.5	419.0	420.5	421.9	422.8	423.8	424.7	425.7	426.1
110°	472.6	473.8	474.8	475.7	476.6	477.6	478.5	479.6	480.5	481.5	481.7



TEST NUMBER: P333365-830

CATALOG NUMBER: S125DIW-S375D1560U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	528.7	529.7	530.8	532.1	533.3	534.5	534.9	535.4	535.8	536.2	536.2
115°	617.7	618.7	619.3	619.9	620.6	621.2	620.9	620.6	620.3	619.9	619.6
117.5°	702.5	703.0	703.6	704.2	704.7	705.4	705.6	705.9	706.2	706.3	705.9
120°	761.1	762.0	762.4	762.7	763.0	763.4	763.4	763.4	763.4	763.4	762.7
122.5°	816.2	816.9	817.7	818.6	819.4	820.2	819.9	819.7	819.4	819.2	818.6
125°	901.7	902.9	903.1	903.4	903.8	904.1	903.4	902.9	902.2	901.5	901.1
127.5°	983.7	984.5	984.9	985.2	985.6	986.0	985.6	985.3	985.1	984.7	984.2
130°	1036.9	1038.0	1038.7	1039.2	1039.9	1040.6	1040.2	1039.9	1039.6	1039.2	1038.8
132.5°	1092.1	1093.3	1093.3	1093.1	1093.0	1092.9	1092.5	1092.2	1091.9	1091.6	1091.0
135°	1170.4	1171.5	1171.8	1172.1	1172.4	1172.7	1172.7	1172.7	1172.7	1172.7	1172.1
137.5°	1246.3	1247.5	1248.3	1249.0	1249.6	1250.4	1250.8	1251.1	1251.5	1251.9	1251.3
140°	1294.2	1295.4	1296.4	1297.4	1298.4	1299.3	1299.9	1300.5	1301.2	1301.7	1301.3
142.5°	1342.1	1343.3	1344.5	1345.8	1347.0	1348.1	1348.5	1348.9	1349.2	1349.7	1349.1
145°	1413.8	1414.9	1415.8	1416.7	1417.7	1418.6	1418.6	1418.6	1418.6	1418.6	1418.1
147.5°	1478.0	1478.8	1479.5	1480.3	1481.0	1481.8	1482.5	1483.3	1484.0	1484.8	1484.1
150°	1518.3	1518.8	1520.0	1521.4	1522.6	1523.9	1523.9	1523.9	1523.9	1523.9	1523.5
152.5°	1557.7	1558.2	1558.8	1559.2	1559.7	1560.3	1561.0	1561.8	1562.5	1563.3	1563.1
155°	1612.0	1612.1	1612.5	1612.8	1613.1	1613.4	1614.7	1615.9	1617.2	1618.4	1618.3
157.5°	1659.3	1659.1	1659.3	1659.7	1660.0	1660.3	1661.6	1662.8	1664.2	1665.4	1665.0
160°	1687.8	1687.5	1687.8	1688.1	1688.5	1688.8	1690.0	1691.3	1692.5	1693.8	1693.7
162.5°	1715.0	1714.7	1714.7	1714.8	1714.9	1714.9	1716.5	1718.0	1719.5	1721.0	1720.8
165°	1750.2	1750.0	1750.4	1750.7	1751.0	1751.3	1752.6	1753.8	1755.1	1756.3	1756.1
167.5°	1777.3	1776.6	1776.6	1776.6	1776.6	1776.6	1778.5	1780.4	1782.3	1784.1	1784.1
170°	1793.2	1792.5	1792.5	1792.5	1792.5	1792.5	1794.4	1796.3	1798.2	1800.1	1800.0
172.5°	1804.5	1803.9	1803.9	1803.9	1803.9	1803.9	1805.8	1807.7	1809.6	1811.5	1811.5
175°	1817.3	1816.7	1816.7	1816.7	1816.7	1816.7	1818.5	1820.5	1822.4	1824.3	1824.1
177.5°	1824.9	1824.2	1824.0	1823.7	1823.4	1823.3	1824.8	1826.3	1827.8	1829.3	1829.2
180°	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6



TEST NUMBER: P333365-830

CATALOG NUMBER: S125DIW-S375D1560U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1
2.5°	488.9	490.1	489.1	490.5	489.1	490.1	488.9	489.9	491.5	490.5	492.9
5°	450.6	448.7	450.0	449.1	450.0	448.7	450.6	451.7	454.3	455.2	456.9
7.5°	415.3	413.4	411.2	410.2	411.2	413.4	415.3	415.8	418.1	421.4	423.9
10°	393.1	390.7	390.5	389.0	390.5	390.7	393.1	395.5	397.0	401.1	404.0
12.5°	376.9	374.7	372.2	371.6	372.2	374.7	376.9	379.0	379.5	384.1	386.1
15°	353.9	352.1	350.6	351.9	350.6	352.1	353.9	355.2	357.6	360.9	363.1
17.5°	334.8	333.4	333.1	331.5	333.1	333.4	334.8	335.5	339.4	341.6	345.3
20°	322.7	321.7	322.2	319.2	322.2	321.7	322.7	324.7	328.7	329.7	333.7
22.5°	313.2	311.0	310.8	310.2	310.8	311.0	313.2	315.0	315.8	319.1	321.8
25°	298.1	297.1	296.0	297.1	296.0	297.1	298.1	300.1	301.0	303.4	306.0
27.5°	285.0	283.7	283.4	283.6	283.4	283.7	285.0	284.8	287.2	289.2	291.1
30°	277.0	274.8	275.0	274.8	275.0	274.8	277.0	277.0	278.3	280.1	281.8
32.5°	268.3	266.8	266.6	266.2	266.6	266.8	268.3	268.0	269.7	271.7	273.6
35°	255.4	255.4	254.4	254.4	254.4	255.4	255.4	256.1	257.9	257.9	260.0
37.5°	243.4	243.2	242.5	242.6	242.5	243.2	243.4	243.9	244.5	245.4	246.9
40°	234.3	234.1	233.5	232.1	233.5	234.1	234.3	235.3	235.6	236.8	237.6
42.5°	225.6	224.9	224.6	224.1	224.6	224.9	225.6	226.1	226.4	227.8	229.6
45°	211.9	211.9	211.5	211.2	211.5	211.9	211.9	211.9	212.2	213.9	214.7
47.5°	198.6	199.0	199.8	199.6	199.8	199.0	198.6	198.2	198.3	199.2	200.2
50°	190.6	190.8	191.4	191.6	191.4	190.8	190.6	189.7	189.3	189.3	189.9
52.5°	181.7	182.9	183.8	183.6	183.8	182.9	181.7	181.0	180.2	179.2	180.1
55°	169.2	170.8	172.3	172.5	172.3	170.8	169.2	167.3	166.4	164.7	165.3
57.5°	156.9	159.0	160.6	161.2	160.6	159.0	156.9	154.6	151.7	150.9	149.7
60°	148.5	151.4	153.4	154.2	153.4	151.4	148.5	146.4	142.6	140.3	139.4
62.5°	140.5	143.7	145.6	145.8	145.6	143.7	140.5	137.1	133.5	130.6	128.9
65°	127.4	130.6	132.4	133.7	132.4	130.6	127.4	123.7	119.6	115.8	113.9
67.5°	113.3	116.6	118.5	119.5	118.5	116.6	113.3	108.7	104.9	100.7	98.4
70°	103.0	106.3	108.9	109.8	108.9	106.3	103.0	97.6	94.3	90.4	88.4
72.5°	92.9	95.9	97.9	99.0	97.9	95.9	92.9	87.8	84.0	80.1	77.5
75°	75.3	79.3	81.2	82.3	81.2	79.3	75.3	72.5	68.1	64.0	61.8
77.5°	58.1	61.6	62.9	63.4	62.9	61.6	58.1	54.8	51.5	48.4	46.4
80°	46.6	48.8	50.3	50.5	50.3	48.8	46.6	44.0	41.4	38.5	36.6
82.5°	35.8	37.6	38.1	38.6	38.1	37.6	35.8	33.6	31.3	29.1	27.5
85°	19.6	20.5	20.7	20.5	20.7	20.5	19.6	18.1	17.0	15.9	15.3
87.5°	12.7	12.7	12.9	13.5	12.9	12.7	12.7	12.2	12.1	11.4	10.7
90°	31.3	32.2	33.2	34.1	33.2	32.2	31.3	30.3	29.0	27.5	25.9
92.5°	65.0	65.7	66.4	67.1	66.4	65.7	65.0	64.3	63.0	60.8	58.7
95°	120.4	121.0	121.6	122.2	121.6	121.0	120.4	119.7	118.3	116.1	113.9
97.5°	184.3	184.6	185.0	185.4	185.0	184.6	184.3	183.9	182.6	180.5	178.4
100°	231.2	231.9	232.5	233.1	232.5	231.9	231.2	230.6	228.8	226.0	223.2
102.5°	278.2	279.1	280.0	280.9	280.0	279.1	278.2	277.4	275.3	272.3	269.2
105°	349.7	350.6	351.6	352.5	351.6	350.6	349.7	348.7	347.3	345.4	343.6
107.5°	426.0	426.0	425.9	425.8	425.9	426.0	426.0	426.1	425.7	424.7	423.8
110°	481.5	481.1	480.8	480.5	480.8	481.1	481.5	481.7	481.5	480.5	479.6



TEST NUMBER: P333365-830

CATALOG NUMBER: S125DIW-S375D1560U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	535.6	535.1	534.5	534.0	534.5	535.1	535.6	536.2	536.2	535.8	535.4
115°	619.3	619.0	618.7	618.4	618.7	619.0	619.3	619.6	619.9	620.3	620.6
117.5°	704.6	703.3	702.1	700.8	702.1	703.3	704.6	705.9	706.3	706.2	705.9
120°	761.5	760.2	758.9	757.7	758.9	760.2	761.5	762.7	763.4	763.4	763.4
122.5°	817.6	816.5	815.5	814.5	815.5	816.5	817.6	818.6	819.2	819.4	819.7
125°	900.8	900.4	900.1	899.8	900.1	900.4	900.8	901.1	901.5	902.2	902.9
127.5°	983.5	983.0	982.3	981.7	982.3	983.0	983.5	984.2	984.7	985.1	985.3
130°	1038.2	1037.6	1036.9	1036.3	1036.9	1037.6	1038.2	1038.8	1039.2	1039.6	1039.9
132.5°	1090.1	1089.2	1088.4	1087.4	1088.4	1089.2	1090.1	1091.0	1091.6	1091.9	1092.2
135°	1170.8	1169.6	1168.3	1167.1	1168.3	1169.6	1170.8	1172.1	1172.7	1172.7	1172.7
137.5°	1249.7	1248.1	1246.5	1244.9	1246.5	1248.1	1249.7	1251.3	1251.9	1251.5	1251.1
140°	1299.8	1298.2	1296.6	1295.0	1296.6	1298.2	1299.8	1301.3	1301.7	1301.2	1300.5
142.5°	1347.5	1346.0	1344.3	1342.7	1344.3	1346.0	1347.5	1349.1	1349.7	1349.2	1348.9
145°	1417.2	1416.3	1415.3	1414.4	1415.3	1416.3	1417.2	1418.1	1418.6	1418.6	1418.6
147.5°	1482.0	1479.8	1477.7	1475.6	1477.7	1479.8	1482.0	1484.1	1484.8	1484.0	1483.3
150°	1522.9	1522.3	1521.6	1521.0	1521.6	1522.3	1522.9	1523.5	1523.9	1523.9	1523.9
152.5°	1562.0	1560.9	1559.7	1558.6	1559.7	1560.9	1562.0	1563.1	1563.3	1562.5	1561.8
155°	1616.7	1615.1	1613.5	1612.0	1613.5	1615.1	1616.7	1618.3	1618.4	1617.2	1615.9
157.5°	1662.8	1660.8	1658.7	1656.6	1658.7	1660.8	1662.8	1665.0	1665.4	1664.2	1662.8
160°	1692.1	1690.5	1688.9	1687.3	1688.9	1690.5	1692.1	1693.7	1693.8	1692.5	1691.3
162.5°	1719.0	1717.1	1715.3	1713.4	1715.3	1717.1	1719.0	1720.8	1721.0	1719.5	1718.0
165°	1754.2	1752.3	1750.4	1748.4	1750.4	1752.3	1754.2	1756.1	1756.3	1755.1	1753.8
167.5°	1782.2	1780.3	1778.3	1776.3	1778.3	1780.3	1782.2	1784.1	1784.1	1782.3	1780.4
170°	1797.7	1795.5	1793.3	1791.1	1793.3	1795.5	1797.7	1800.0	1800.1	1798.2	1796.3
172.5°	1809.5	1807.5	1805.5	1803.6	1805.5	1807.5	1809.5	1811.5	1811.5	1809.6	1807.7
175°	1821.9	1819.7	1817.5	1815.2	1817.5	1819.7	1821.9	1824.1	1824.3	1822.4	1820.5
177.5°	1827.4	1825.6	1823.8	1822.1	1823.8	1825.6	1827.4	1829.2	1829.3	1827.8	1826.3
180°	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6



TEST NUMBER: P333365-830

CATALOG NUMBER: S125DIW-S375D1560U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1
2.5°	490.7	492.8	495.3	497.3	500.8	502.3	504.3	505.8	508.6	511.2	514.3
5°	457.6	461.3	466.3	471.7	478.1	482.4	488.5	492.2	499.6	506.3	512.9
7.5°	427.6	432.2	439.2	446.2	454.5	461.9	469.6	478.1	487.5	498.7	507.9
10°	407.1	413.1	420.8	429.5	439.5	448.2	458.5	467.6	479.2	492.2	504.4
12.5°	390.7	395.9	404.4	412.7	423.5	434.1	444.7	456.8	470.2	484.7	500.0
15°	368.1	372.4	379.4	391.0	401.8	412.3	428.2	439.5	456.5	472.6	491.2
17.5°	348.7	354.2	360.1	369.9	381.3	394.3	408.5	422.7	439.0	459.5	480.3
20°	337.0	341.3	348.0	355.6	367.6	380.7	394.2	408.6	428.6	449.8	472.2
22.5°	324.0	328.8	336.4	344.7	354.8	367.3	382.2	397.9	418.9	439.6	464.0
25°	308.9	312.1	319.1	326.5	336.5	347.1	362.6	380.0	400.8	424.5	449.3
27.5°	294.5	297.4	303.7	310.2	319.2	331.9	345.7	363.4	382.9	406.9	434.4
30°	284.2	287.3	292.9	299.9	308.6	319.7	333.8	350.4	371.4	394.8	423.6
32.5°	275.3	278.1	282.3	289.3	297.8	308.6	321.7	338.6	359.5	383.3	411.6
35°	261.6	264.6	267.9	273.3	280.7	291.2	305.6	321.5	341.5	364.6	390.5
37.5°	247.9	251.2	254.1	259.0	265.7	274.9	287.4	304.0	322.1	344.3	369.2
40°	239.3	242.0	244.4	249.6	256.4	265.0	276.6	291.4	310.6	331.3	351.9
42.5°	230.8	233.3	235.3	239.9	246.1	254.4	265.4	279.9	297.7	317.0	335.3
45°	217.4	218.9	221.3	225.2	230.2	237.8	248.5	261.4	276.4	294.6	308.4
47.5°	202.8	205.2	207.2	210.6	214.7	222.2	232.4	243.4	257.0	270.6	280.2
50°	191.6	194.1	196.9	200.2	204.1	211.0	220.4	231.5	243.1	253.5	261.7
52.5°	181.2	183.4	186.4	189.5	194.4	200.2	208.2	218.1	229.5	237.0	243.8
55°	165.7	166.8	170.3	173.3	178.0	182.3	190.4	199.1	206.0	211.7	217.4
57.5°	150.0	151.4	153.4	156.2	160.7	165.8	171.4	179.2	183.2	186.2	190.6
60°	139.8	140.3	141.6	144.9	148.4	152.9	159.4	164.9	168.0	170.3	174.0
62.5°	128.7	128.8	130.9	133.4	135.9	140.9	146.2	150.6	153.1	154.3	157.8
65°	113.0	112.6	113.9	115.8	118.9	122.2	126.8	130.6	130.4	131.8	133.9
67.5°	97.1	96.6	96.6	98.5	100.9	103.9	107.0	109.3	109.3	111.0	112.2
70°	86.2	84.9	85.8	87.4	88.4	90.9	94.3	95.2	95.4	96.2	97.4
72.5°	75.1	74.6	75.3	76.0	76.7	78.6	81.6	82.1	82.2	82.7	84.5
75°	59.7	59.3	58.8	59.5	60.3	61.6	62.7	63.6	63.3	63.6	64.9
77.5°	44.8	43.5	43.3	43.6	43.8	44.7	45.8	45.7	45.9	45.9	47.3
80°	35.5	33.7	33.6	33.6	33.7	34.2	34.6	35.1	34.4	35.1	35.5
82.5°	26.1	25.1	25.0	24.8	24.9	25.0	25.3	25.4	25.4	25.6	25.9
85°	14.4	13.9	13.3	13.8	13.5	12.8	13.3	12.6	12.4	12.6	12.8
87.5°	9.7	9.6	8.8	8.4	7.7	7.4	6.7	5.9	5.3	5.0	5.0
90°	24.3	22.7	20.5	18.3	16.1	13.9	11.5	9.0	6.5	4.0	1.4
92.5°	56.6	54.6	51.8	49.1	46.5	43.7	41.5	39.7	38.0	36.2	34.4
95°	111.7	109.4	106.3	103.1	100.0	96.8	94.9	94.3	93.7	93.0	92.4
97.5°	176.3	174.3	169.9	165.6	161.2	156.8	154.6	154.3	154.0	153.7	153.5
100°	220.4	217.4	213.4	209.2	205.2	201.0	199.0	199.0	199.0	199.0	199.0
102.5°	266.1	263.0	260.9	258.8	256.7	254.7	253.0	251.7	250.4	249.2	247.9
105°	341.7	339.8	337.8	335.9	334.0	332.2	330.5	328.9	327.3	325.6	324.1
107.5°	422.8	421.9	420.5	419.0	417.5	416.1	414.5	413.0	411.4	409.8	408.2
110°	478.5	477.6	476.6	475.7	474.8	473.8	472.6	471.0	469.4	467.9	466.3



TEST NUMBER: P333365-830

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	534.9	534.5	533.3	532.1	530.8	529.7	528.7	527.8	527.1	526.2	525.4
115°	620.9	621.2	620.6	619.9	619.3	618.7	617.7	616.4	615.2	614.0	612.7
117.5°	705.6	705.4	704.7	704.2	703.6	703.0	702.5	701.9	701.3	700.8	700.2
120°	763.4	763.4	763.0	762.7	762.4	762.0	761.1	759.6	758.0	756.4	754.8
122.5°	819.9	820.2	819.4	818.6	817.7	816.9	816.2	815.7	815.1	814.5	814.0
125°	903.4	904.1	903.8	903.4	903.1	902.9	901.7	899.8	898.0	896.0	894.1
127.5°	985.6	986.0	985.6	985.2	984.9	984.5	983.7	982.6	981.6	980.5	979.4
130°	1040.2	1040.6	1039.9	1039.2	1038.7	1038.0	1036.9	1035.3	1033.8	1032.2	1030.6
132.5°	1092.5	1092.9	1093.0	1093.1	1093.3	1093.3	1092.1	1089.6	1086.9	1084.4	1081.8
135°	1172.7	1172.7	1172.4	1172.1	1171.8	1171.5	1170.4	1168.5	1166.6	1164.7	1162.8
137.5°	1250.8	1250.4	1249.6	1249.0	1248.3	1247.5	1246.3	1244.4	1242.6	1240.9	1239.0
140°	1299.9	1299.3	1298.4	1297.4	1296.4	1295.4	1294.2	1292.6	1291.0	1289.5	1287.9
142.5°	1348.5	1348.1	1347.0	1345.8	1344.5	1343.3	1342.1	1340.8	1339.4	1338.1	1336.8
145°	1418.6	1418.6	1417.7	1416.7	1415.8	1414.9	1413.8	1412.5	1411.3	1409.9	1408.7
147.5°	1482.5	1481.8	1481.0	1480.3	1479.5	1478.8	1478.0	1477.3	1476.6	1475.9	1475.3
150°	1523.9	1523.9	1522.6	1521.4	1520.0	1518.8	1518.3	1518.6	1519.0	1519.3	1519.6
152.5°	1561.0	1560.3	1559.7	1559.2	1558.8	1558.2	1557.7	1557.3	1556.9	1556.4	1555.9
155°	1614.7	1613.4	1613.1	1612.8	1612.5	1612.1	1612.0	1612.0	1612.0	1612.0	1612.0
157.5°	1661.6	1660.3	1660.0	1659.7	1659.3	1659.1	1659.3	1659.9	1660.7	1661.3	1662.0
160°	1690.0	1688.8	1688.5	1688.1	1687.8	1687.5	1687.8	1688.8	1689.7	1690.6	1691.6
162.5°	1716.5	1714.9	1714.9	1714.8	1714.7	1714.7	1715.0	1715.7	1716.4	1717.0	1717.8
165°	1752.6	1751.3	1751.0	1750.7	1750.4	1750.0	1750.2	1750.9	1751.4	1752.1	1752.8
167.5°	1778.5	1776.6	1776.6	1776.6	1776.6	1776.6	1777.3	1778.5	1779.8	1781.0	1782.3
170°	1794.4	1792.5	1792.5	1792.5	1792.5	1792.5	1793.2	1794.4	1795.6	1797.0	1798.2
172.5°	1805.8	1803.9	1803.9	1803.9	1803.9	1803.9	1804.5	1805.8	1807.0	1808.4	1809.6
175°	1818.5	1816.7	1816.7	1816.7	1816.7	1816.7	1817.3	1818.5	1819.9	1821.1	1822.4
177.5°	1824.8	1823.3	1823.4	1823.7	1824.0	1824.2	1824.9	1825.9	1826.9	1827.9	1828.9
180°	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6



TEST NUMBER: P333365-830

CATALOG NUMBER: S125DIW-S375D1560U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1
2.5°	515.9	518.3	519.9	522.8	525.3	526.7	527.9	529.0	530.2	531.2	534.2
5°	519.2	524.9	529.7	537.1	543.8	549.0	554.7	559.7	563.8	569.8	574.3
7.5°	517.7	527.8	538.4	549.9	561.6	572.4	582.5	591.8	600.3	610.6	619.6
10°	516.4	530.1	543.6	559.1	575.0	588.4	601.1	614.0	623.3	636.4	647.5
12.5°	515.4	531.5	547.8	566.4	583.8	602.9	619.7	629.1	643.4	653.8	667.0
15°	511.0	532.3	554.7	575.6	600.5	618.1	632.9	651.2	664.5	677.8	692.1
17.5°	503.0	527.3	552.3	579.8	603.5	622.5	641.6	659.2	675.0	692.9	710.8
20°	499.4	523.6	552.3	580.4	603.7	623.5	643.1	662.5	680.0	702.9	723.5
22.5°	491.7	520.9	547.4	574.9	598.8	620.4	642.6	664.6	687.8	713.6	739.5
25°	478.1	507.7	535.7	562.8	586.9	614.0	637.7	667.1	696.7	730.9	763.2
27.5°	463.8	492.2	517.9	544.0	572.2	602.9	633.6	666.9	705.8	748.9	794.4
30°	452.3	479.2	504.2	530.9	560.3	594.7	628.6	668.2	713.0	761.6	815.7
32.5°	438.9	463.6	488.0	516.3	548.4	584.7	624.1	667.5	721.4	776.6	832.2
35°	415.9	436.7	461.8	492.0	528.1	569.8	615.3	666.7	728.5	791.9	838.7
37.5°	388.8	408.0	434.4	467.6	505.5	550.2	604.2	665.2	730.8	781.4	796.4
40°	370.4	388.3	415.8	450.2	488.9	536.2	595.4	659.9	723.5	755.7	743.3
42.5°	350.9	369.7	396.4	430.5	472.2	523.7	584.5	648.9	702.3	714.4	671.6
45°	320.2	339.5	365.9	400.3	445.2	501.0	564.3	622.9	653.6	631.6	565.1
47.5°	291.5	309.7	334.1	369.7	415.9	473.6	534.6	581.4	583.8	531.3	460.3
50°	272.0	288.8	313.4	348.9	394.8	453.3	508.3	545.2	528.6	469.1	401.0
52.5°	252.9	269.3	293.5	328.7	374.1	427.6	478.9	504.7	473.5	412.5	354.3
55°	225.2	239.6	263.3	295.8	338.8	388.5	432.1	441.0	400.5	340.4	293.1
57.5°	198.2	211.6	233.2	263.1	302.6	346.5	380.6	378.6	335.8	284.3	246.8
60°	179.9	192.9	212.2	241.3	277.3	315.2	344.3	337.3	294.9	250.4	218.9
62.5°	163.5	175.2	193.3	218.9	251.7	286.7	310.7	300.4	258.8	220.0	195.0
65°	139.4	149.2	164.7	186.4	213.7	242.6	261.2	247.9	212.4	182.1	162.0
67.5°	116.3	124.2	137.1	154.6	177.8	201.0	212.3	199.0	170.5	148.5	133.6
70°	101.7	108.7	118.7	134.1	154.4	174.0	182.5	170.5	146.1	127.1	116.5
72.5°	87.1	92.8	101.6	115.6	131.8	148.7	156.2	144.8	124.7	108.7	98.8
75°	67.3	71.3	77.3	86.9	99.7	113.3	117.3	107.4	94.5	82.6	76.0
77.5°	48.2	51.5	56.1	62.1	71.3	79.8	83.4	77.7	67.8	60.1	54.8
80°	37.0	38.7	42.7	47.7	54.9	60.3	62.7	59.0	52.0	46.4	42.2
82.5°	26.4	28.2	30.4	34.6	39.2	42.9	45.4	43.0	38.0	33.5	31.1
85°	12.8	13.9	15.3	17.0	20.5	22.6	22.4	20.9	18.9	17.2	15.9
87.5°	5.3	6.0	7.1	8.4	9.4	10.6	11.3	11.4	11.2	10.9	10.7
90°	4.0	6.5	9.0	11.5	13.9	16.1	18.3	20.5	22.7	24.3	25.9
92.5°	36.2	38.0	39.7	41.5	43.7	46.5	49.1	51.8	54.6	56.6	58.7
95°	93.0	93.7	94.3	94.9	96.8	100.0	103.1	106.3	109.4	111.7	113.9
97.5°	153.7	154.0	154.3	154.6	156.8	161.2	165.6	169.9	174.3	176.3	178.4
100°	199.0	199.0	199.0	199.0	201.0	205.2	209.2	213.4	217.4	220.4	223.2
102.5°	249.2	250.4	251.7	253.0	254.7	256.7	258.8	260.9	263.0	266.1	269.2
105°	325.6	327.3	328.9	330.5	332.2	334.0	335.9	337.8	339.8	341.7	343.6
107.5°	409.8	411.4	413.0	414.5	416.1	417.5	419.0	420.5	421.9	422.8	423.8
110°	467.9	469.4	471.0	472.6	473.8	474.8	475.7	476.6	477.6	478.5	479.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	526.2	527.1	527.8	528.7	529.7	530.8	532.1	533.3	534.5	534.9	535.4
115°	614.0	615.2	616.4	617.7	618.7	619.3	619.9	620.6	621.2	620.9	620.6
117.5°	700.8	701.3	701.9	702.5	703.0	703.6	704.2	704.7	705.4	705.6	705.9
120°	756.4	758.0	759.6	761.1	762.0	762.4	762.7	763.0	763.4	763.4	763.4
122.5°	814.5	815.1	815.7	816.2	816.9	817.7	818.6	819.4	820.2	819.9	819.7
125°	896.0	898.0	899.8	901.7	902.9	903.1	903.4	903.8	904.1	903.4	902.9
127.5°	980.5	981.6	982.6	983.7	984.5	984.9	985.2	985.6	986.0	985.6	985.3
130°	1032.2	1033.8	1035.3	1036.9	1038.0	1038.7	1039.2	1039.9	1040.6	1040.2	1039.9
132.5°	1084.4	1086.9	1089.6	1092.1	1093.3	1093.3	1093.1	1093.0	1092.9	1092.5	1092.2
135°	1164.7	1166.6	1168.5	1170.4	1171.5	1171.8	1172.1	1172.4	1172.7	1172.7	1172.7
137.5°	1240.9	1242.6	1244.4	1246.3	1247.5	1248.3	1249.0	1249.6	1250.4	1250.8	1251.1
140°	1289.5	1291.0	1292.6	1294.2	1295.4	1296.4	1297.4	1298.4	1299.3	1299.9	1300.5
142.5°	1338.1	1339.4	1340.8	1342.1	1343.3	1344.5	1345.8	1347.0	1348.1	1348.5	1348.9
145°	1409.9	1411.3	1412.5	1413.8	1414.9	1415.8	1416.7	1417.7	1418.6	1418.6	1418.6
147.5°	1475.9	1476.6	1477.3	1478.0	1478.8	1479.5	1480.3	1481.0	1481.8	1482.5	1483.3
150°	1519.3	1519.0	1518.6	1518.3	1518.8	1520.0	1521.4	1522.6	1523.9	1523.9	1523.9
152.5°	1556.4	1556.9	1557.3	1557.7	1558.2	1558.8	1559.2	1559.7	1560.3	1561.0	1561.8
155°	1612.0	1612.0	1612.0	1612.0	1612.1	1612.5	1612.8	1613.1	1613.4	1614.7	1615.9
157.5°	1661.3	1660.7	1659.9	1659.3	1659.1	1659.3	1659.7	1660.0	1660.3	1661.6	1662.8
160°	1690.6	1689.7	1688.8	1687.8	1687.5	1687.8	1688.1	1688.5	1688.8	1690.0	1691.3
162.5°	1717.0	1716.4	1715.7	1715.0	1714.7	1714.7	1714.8	1714.9	1714.9	1716.5	1718.0
165°	1752.1	1751.4	1750.9	1750.2	1750.0	1750.4	1750.7	1751.0	1751.3	1752.6	1753.8
167.5°	1781.0	1779.8	1778.5	1777.3	1776.6	1776.6	1776.6	1776.6	1776.6	1778.5	1780.4
170°	1797.0	1795.6	1794.4	1793.2	1792.5	1792.5	1792.5	1792.5	1792.5	1794.4	1796.3
172.5°	1808.4	1807.0	1805.8	1804.5	1803.9	1803.9	1803.9	1803.9	1803.9	1805.8	1807.7
175°	1821.1	1819.9	1818.5	1817.3	1816.7	1816.7	1816.7	1816.7	1816.7	1818.5	1820.5
177.5°	1827.9	1826.9	1825.9	1824.9	1824.2	1824.0	1823.7	1823.4	1823.3	1824.8	1826.3
180°	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	513.1	513.1	513.1	513.1	513.1	513.1	513.1
2.5°	536.7	538.0	541.0	540.0	541.3	542.1	542.7
5°	579.9	586.9	590.0	589.6	594.2	593.0	591.9
7.5°	629.0	636.2	640.4	645.5	648.4	648.7	651.2
10°	656.7	666.2	670.1	675.6	679.1	681.1	680.8
12.5°	677.9	685.4	694.2	696.8	701.5	704.1	703.1
15°	703.5	715.5	724.6	729.2	735.1	736.8	739.1
17.5°	726.3	742.3	753.0	767.2	772.6	775.9	773.9
20°	743.6	764.7	775.3	792.3	801.7	806.7	804.9
22.5°	763.9	786.8	806.5	821.2	835.5	842.3	843.7
25°	798.9	830.2	859.2	878.5	896.2	900.3	909.5
27.5°	837.9	874.9	905.9	926.2	938.5	943.1	946.0
30°	862.4	899.3	922.6	935.7	939.5	939.1	938.7
32.5°	874.5	897.5	902.0	898.3	889.4	881.7	873.8
35°	857.4	840.3	814.5	781.5	757.1	732.4	730.0
37.5°	771.2	716.1	673.4	625.6	598.0	581.0	569.2
40°	689.9	627.5	575.6	535.4	507.3	496.2	485.2
42.5°	601.8	542.1	496.2	462.5	441.4	429.0	420.5
45°	488.9	436.2	400.3	375.9	359.1	349.6	344.1
47.5°	400.7	361.7	331.1	313.5	302.0	294.5	294.5
50°	353.3	316.0	295.8	281.8	271.8	265.9	267.0
52.5°	311.2	283.4	266.2	254.5	247.0	243.5	243.3
55°	260.2	240.3	228.9	220.4	215.4	211.2	212.2
57.5°	222.6	205.8	198.1	191.1	187.6	186.0	183.5
60°	199.3	186.2	179.6	174.0	170.5	169.2	166.8
62.5°	178.5	168.2	161.9	157.3	154.2	153.7	151.8
65°	150.1	142.2	136.6	134.4	131.1	130.3	130.3
67.5°	123.7	118.1	113.7	111.7	110.3	110.5	109.4
70°	107.2	102.5	99.7	97.6	96.5	96.7	95.9
72.5°	93.8	88.6	86.1	84.8	83.4	84.0	83.6
75°	71.0	68.4	67.1	65.8	64.9	64.5	64.0
77.5°	52.1	49.9	48.8	48.1	48.3	47.1	48.0
80°	40.2	38.4	37.7	36.6	36.4	36.4	36.2
82.5°	29.5	28.4	27.9	27.1	26.6	27.0	26.4
85°	15.3	14.4	14.1	14.1	13.8	13.3	14.4
87.5°	11.0	10.7	10.9	10.9	11.1	11.1	11.0
90°	27.5	29.0	30.3	31.3	32.2	33.2	34.1
92.5°	60.8	63.0	64.3	65.0	65.7	66.4	67.1
95°	116.1	118.3	119.7	120.4	121.0	121.6	122.2
97.5°	180.5	182.6	183.9	184.3	184.6	185.0	185.4
100°	226.0	228.8	230.6	231.2	231.9	232.5	233.1
102.5°	272.3	275.3	277.4	278.2	279.1	280.0	280.9
105°	345.4	347.3	348.7	349.7	350.6	351.6	352.5
107.5°	424.7	425.7	426.1	426.0	426.0	425.9	425.8
110°	480.5	481.5	481.7	481.5	481.1	480.8	480.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	535.8	536.2	536.2	535.6	535.1	534.5	534.0
115°	620.3	619.9	619.6	619.3	619.0	618.7	618.4
117.5°	706.2	706.3	705.9	704.6	703.3	702.1	700.8
120°	763.4	763.4	762.7	761.5	760.2	758.9	757.7
122.5°	819.4	819.2	818.6	817.6	816.5	815.5	814.5
125°	902.2	901.5	901.1	900.8	900.4	900.1	899.8
127.5°	985.1	984.7	984.2	983.5	983.0	982.3	981.7
130°	1039.6	1039.2	1038.8	1038.2	1037.6	1036.9	1036.3
132.5°	1091.9	1091.6	1091.0	1090.1	1089.2	1088.4	1087.4
135°	1172.7	1172.7	1172.1	1170.8	1169.6	1168.3	1167.1
137.5°	1251.5	1251.9	1251.3	1249.7	1248.1	1246.5	1244.9
140°	1301.2	1301.7	1301.3	1299.8	1298.2	1296.6	1295.0
142.5°	1349.2	1349.7	1349.1	1347.5	1346.0	1344.3	1342.7
145°	1418.6	1418.6	1418.1	1417.2	1416.3	1415.3	1414.4
147.5°	1484.0	1484.8	1484.1	1482.0	1479.8	1477.7	1475.6
150°	1523.9	1523.9	1523.5	1522.9	1522.3	1521.6	1521.0
152.5°	1562.5	1563.3	1563.1	1562.0	1560.9	1559.7	1558.6
155°	1617.2	1618.4	1618.3	1616.7	1615.1	1613.5	1612.0
157.5°	1664.2	1665.4	1665.0	1662.8	1660.8	1658.7	1656.6
160°	1692.5	1693.8	1693.7	1692.1	1690.5	1688.9	1687.3
162.5°	1719.5	1721.0	1720.8	1719.0	1717.1	1715.3	1713.4
165°	1755.1	1756.3	1756.1	1754.2	1752.3	1750.4	1748.4
167.5°	1782.3	1784.1	1784.1	1782.2	1780.3	1778.3	1776.3
170°	1798.2	1800.1	1800.0	1797.7	1795.5	1793.3	1791.1
172.5°	1809.6	1811.5	1811.5	1809.5	1807.5	1805.5	1803.6
175°	1822.4	1824.3	1824.1	1821.9	1819.7	1817.5	1815.2
177.5°	1827.8	1829.3	1829.2	1827.4	1825.6	1823.8	1822.1
180°	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6

(END OF REPORT)