

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: P332527-830

Luminaire Tested: **S124DIP-S350D1205U830-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332527-830  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S124DIP-S350D1205U830-4F0-1E-UDD-A1  
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 350 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1205 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5418.2 lumens  
Efficiency: N/A  
Efficacy: 128.4 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: Semi-Indirect

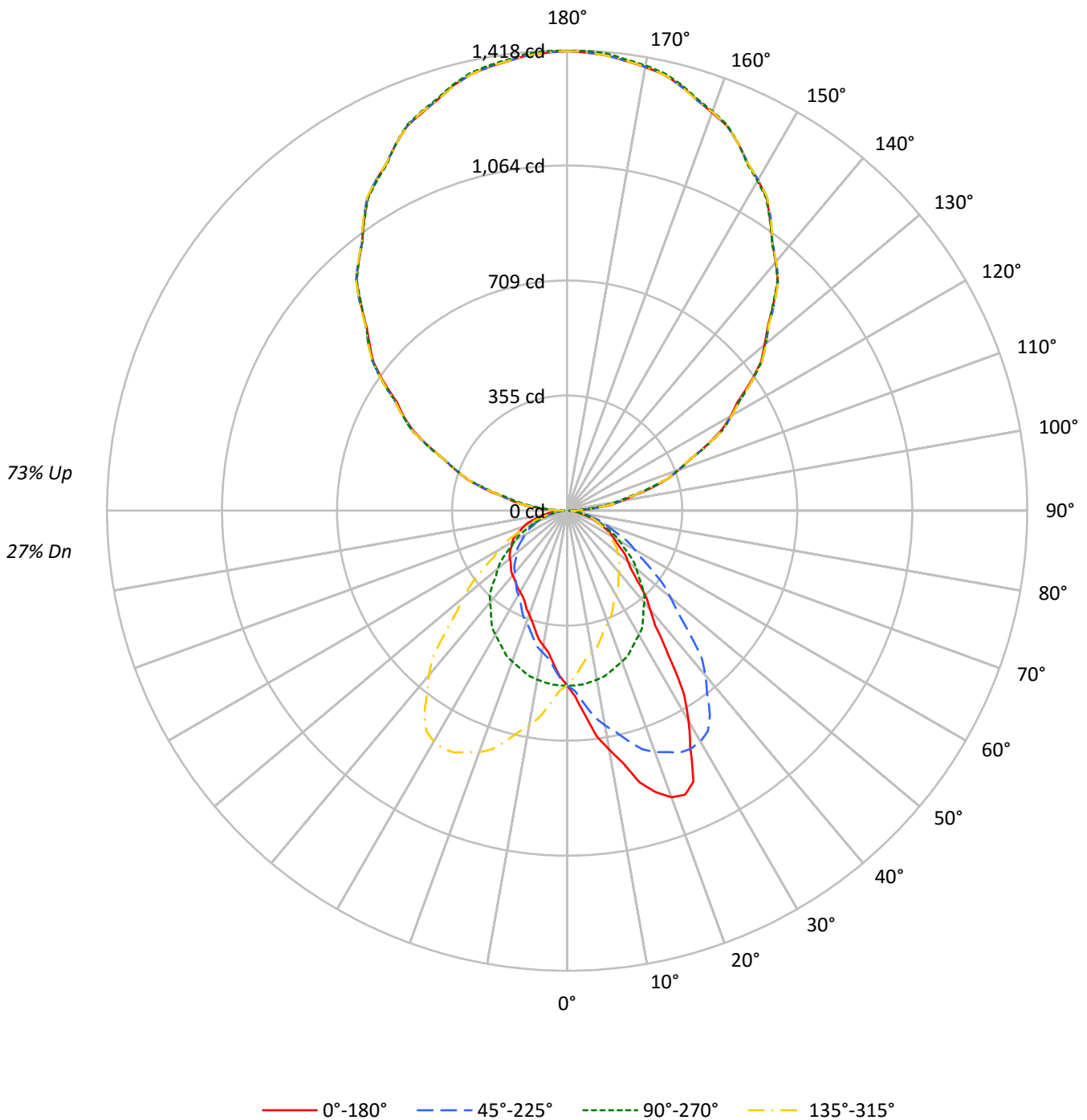
Input Watts (W): 42.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35	27
1	93	89	85	82	83	79	76	74	62	60	58	46	45	44	31	31	30	23
2	85	78	72	67	75	70	65	60	54	51	48	41	38	37	28	27	25	20
3	77	68	61	56	69	61	55	51	48	44	41	36	33	31	25	23	22	17
4	71	60	53	47	63	54	48	43	43	38	35	32	29	27	22	20	19	15
5	65	54	46	40	58	48	42	37	38	33	30	29	26	23	20	18	16	13
6	60	48	40	35	53	43	37	32	34	29	26	26	23	20	18	16	15	11
7	55	43	36	30	49	39	32	28	31	26	23	24	20	18	17	14	13	10
8	51	39	32	27	45	35	29	24	28	23	20	22	18	16	15	13	12	9
9	47	36	28	24	42	32	26	22	26	21	18	20	16	14	14	12	10	8
10	44	32	26	21	39	29	23	19	24	19	16	18	15	13	13	11	9	7

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

	0°	90°	180°	270°
0°	4347	4347	4347	4347
5°	5119	4358	3847	4358
10°	6129	4339	3463	4339
15°	7252	4296	3181	4296
20°	8076	4250	2928	4250
25°	8206	4185	2754	4185
30°	6982	4121	2699	4121
35°	5368	4018	2699	4018
40°	4185	3898	2751	3898
45°	3489	3716	2797	3716
50°	3071	3493	2891	3493
55°	2814	3227	3008	3227
60°	2635	2989	3147	2989
65°	2455	2722	3265	2722
70°	2242	2460	3338	2460
75°	2006	2165	3300	2165
80°	1678	1776	3194	1776
85°	1241	1288	3057	1288



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.5	1.0
10°-20°	161.7	3.0
20°-30°	256.4	4.7
30°-40°	285.4	5.3
40°-50°	259.8	4.8
50°-60°	212.3	3.9
60°-70°	151.5	2.8
70°-80°	83.4	1.5
80°-90°	27.0	0.5
90°-100°	93.4	1.7
100°-110°	276.7	5.1
110°-120°	469.6	8.7
120°-130°	619.1	11.4
130°-140°	695.3	12.8
140°-150°	683.3	12.6
150°-160°	574.7	10.6
160°-170°	382.4	7.1
170°-180°	133.9	2.5
0°-30°	470.6	8.7
0°-40°	755.9	14.0
0°-60°	1227.9	22.7
0°-90°	1489.9	27.5
90°-120°	839.6	15.5
90°-150°	2837.4	52.4
90°-180°	3928.0	72.5
0°-180°	5418.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	538	538	538	538	538	
5°	632	538	475	538	632	64
15°	868	514	381	514	868	245
25°	921	470	309	470	921	406
35°	545	408	274	408	545	346
45°	306	326	245	326	306	241
55°	200	229	214	229	200	181
65°	128	142	171	142	128	127
75°	64	69	106	69	64	68
85°	13	14	33	14	13	17
90°	33	3	33	3	33	17
95°	86	66	86	66	86	90
105°	267	255	267	255	267	282
115°	473	477	473	477	473	468
125°	690	695	690	695	690	615
135°	898	897	898	897	898	693
145°	1091	1090	1091	1090	1091	683
155°	1247	1248	1247	1248	1247	574
165°	1356	1359	1356	1359	1356	382
175°	1407	1414	1407	1414	1407	134
180°	1416	1416	1416	1416	1416	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5
2.5°	573.1	573.0	571.2	570.8	569.6	568.0	567.6	564.7	559.0	556.3	555.6
5°	631.7	636.2	630.4	629.2	628.6	621.2	617.5	613.0	602.8	596.7	592.0
7.5°	701.7	702.2	699.6	697.7	691.9	685.5	675.9	665.6	653.4	640.7	631.1
10°	747.7	749.5	746.6	746.2	734.8	727.6	713.4	701.3	687.5	672.1	658.1
12.5°	796.3	793.8	792.3	782.8	780.6	767.6	751.0	738.7	717.3	699.6	680.9
15°	867.7	862.8	859.7	846.6	840.1	822.0	804.4	790.8	762.9	736.3	716.2
17.5°	909.6	914.5	907.4	901.9	885.2	872.5	854.5	826.0	804.2	771.2	745.8
20°	940.0	940.5	936.4	930.9	917.8	901.6	882.0	850.8	824.7	791.9	757.1
22.5°	948.2	948.3	946.6	941.4	931.4	918.4	898.6	872.5	840.9	805.3	770.4
25°	921.2	920.4	922.4	928.2	924.4	920.4	909.0	889.6	860.2	822.5	784.9
27.5°	821.1	827.4	838.7	852.9	866.7	877.1	880.1	876.1	857.9	826.9	787.6
30°	749.0	756.7	765.2	779.4	807.1	822.9	840.3	853.5	846.1	821.3	784.8
32.5°	669.9	671.8	684.3	700.5	725.9	756.3	783.9	810.7	819.5	806.5	776.0
35°	544.7	547.9	561.5	577.5	608.5	645.8	687.3	724.3	754.9	767.1	751.5
37.5°	444.5	453.5	463.1	480.3	507.7	541.2	584.3	632.3	677.8	708.3	713.5
40°	397.1	402.7	409.5	422.7	445.9	478.9	515.9	570.8	619.3	663.0	677.2
42.5°	359.6	362.9	367.1	379.0	396.6	429.5	463.4	511.6	560.2	612.5	636.4
45°	305.6	309.0	316.1	323.0	336.4	359.1	390.6	430.3	479.2	529.5	573.7
47.5°	266.6	268.7	273.0	280.4	291.8	306.8	332.3	365.5	410.8	459.8	506.8
50°	244.5	246.3	249.6	256.3	265.0	278.4	299.4	330.4	365.8	415.1	461.3
52.5°	227.0	227.7	230.2	234.7	241.7	252.9	270.1	295.8	328.8	372.7	418.7
55°	199.9	200.8	203.0	206.3	212.4	219.5	232.6	251.8	280.6	318.8	358.7
57.5°	177.6	178.2	180.0	181.3	186.3	192.1	202.3	215.9	237.7	270.1	305.8
60°	163.2	162.9	165.0	166.2	169.6	174.5	182.3	195.4	214.3	240.4	273.2
62.5°	149.4	148.7	150.6	152.1	154.0	158.2	164.6	174.8	190.3	213.9	242.2
65°	128.5	127.6	128.8	130.5	132.2	134.5	139.2	148.4	160.6	177.6	199.2
67.5°	107.5	108.5	108.7	109.5	110.6	113.6	116.8	123.3	132.0	145.5	163.8
70°	95.0	95.3	96.1	96.1	96.8	99.5	102.2	105.9	114.4	127.0	141.9
72.5°	82.6	83.5	83.1	83.8	84.4	86.1	88.0	91.7	98.9	108.2	120.8
75°	64.3	64.9	64.9	65.1	65.8	66.4	68.1	70.7	75.9	82.8	91.4
77.5°	46.8	46.9	47.2	48.1	48.1	49.1	50.2	52.4	55.0	59.7	65.0
80°	36.1	36.6	36.4	36.9	36.9	37.7	38.2	40.8	41.9	45.1	49.3
82.5°	26.5	27.0	26.9	27.5	27.9	28.1	28.7	29.8	30.9	33.6	35.3
85°	13.4	13.9	13.4	13.9	14.5	14.7	15.4	15.6	16.5	17.2	18.8
87.5°	10.5	10.9	10.8	10.9	11.2	11.1	11.0	10.6	11.0	10.8	11.2
90°	32.9	32.3	31.9	31.4	30.9	30.0	28.5	27.1	25.5	24.1	22.1
92.5°	48.6	48.4	48.1	47.8	47.4	46.8	46.0	45.1	44.2	43.4	42.0
95°	86.5	86.5	86.5	86.5	86.5	86.1	85.4	84.6	84.0	83.2	81.5
97.5°	135.5	135.5	135.5	135.5	135.5	135.2	134.2	133.4	132.5	131.6	129.6
100°	169.8	169.8	169.8	169.8	169.8	169.5	169.0	168.5	168.1	167.6	165.3
102.5°	208.3	208.1	207.9	207.7	207.5	207.1	206.4	205.7	205.0	204.3	202.4
105°	267.2	266.5	265.7	265.0	264.3	263.5	262.8	262.1	261.4	260.6	259.7
107.5°	324.6	324.6	324.7	324.7	324.8	324.4	323.8	323.1	322.4	321.7	321.6
110°	365.7	365.0	364.3	363.5	362.8	362.7	363.2	363.6	364.2	364.7	364.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	407.8	407.6	407.5	407.4	407.2	407.2	407.3	407.4	407.5	407.6	408.0
115°	473.1	473.3	473.5	473.8	474.0	474.3	474.5	474.8	475.0	475.2	475.7
117.5°	535.3	535.7	536.2	536.7	537.2	537.8	538.7	539.5	540.4	541.2	541.5
120°	582.6	582.1	581.5	581.1	580.6	581.0	582.2	583.4	584.7	585.9	586.5
122.5°	622.0	622.8	623.8	624.6	625.5	626.3	627.2	628.0	628.9	629.6	630.0
125°	689.8	690.3	690.9	691.4	691.8	692.3	692.8	693.2	693.8	694.3	694.5
127.5°	752.7	753.1	753.5	753.9	754.3	754.7	755.3	755.7	756.2	756.7	757.1
130°	793.9	794.8	795.9	796.8	797.8	798.5	799.0	799.5	800.0	800.5	800.5
132.5°	837.7	838.1	838.5	838.9	839.2	839.7	840.2	840.7	841.1	841.7	841.9
135°	898.0	898.6	899.4	900.1	900.9	901.4	901.9	902.5	903.0	903.4	903.4
137.5°	961.2	961.1	960.9	960.8	960.6	960.9	961.5	962.1	962.8	963.4	963.0
140°	999.8	1000.0	1000.2	1000.5	1000.8	1001.0	1001.3	1001.5	1001.7	1001.9	1001.9
142.5°	1038.3	1038.4	1038.4	1038.5	1038.5	1038.6	1038.6	1038.7	1038.7	1038.8	1039.0
145°	1090.7	1091.4	1092.1	1092.9	1093.5	1094.1	1094.3	1094.6	1094.8	1095.0	1094.8
147.5°	1143.7	1143.9	1144.2	1144.4	1144.6	1144.8	1145.1	1145.3	1145.5	1145.7	1145.8
150°	1176.1	1176.3	1176.6	1176.8	1177.0	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
152.5°	1205.9	1206.5	1207.1	1207.8	1208.4	1208.4	1207.9	1207.2	1206.6	1206.1	1205.9
155°	1247.3	1248.2	1249.2	1250.2	1251.1	1251.1	1250.2	1249.2	1248.2	1247.3	1247.5
157.5°	1284.3	1285.1	1285.9	1286.8	1287.6	1287.6	1286.9	1286.2	1285.4	1284.7	1284.8
160°	1305.3	1306.6	1307.7	1308.9	1310.1	1310.4	1309.7	1308.9	1308.2	1307.5	1307.7
162.5°	1327.2	1328.4	1329.6	1330.9	1332.1	1332.0	1330.7	1329.4	1328.0	1326.7	1327.0
165°	1355.7	1356.6	1357.6	1358.6	1359.5	1359.3	1357.8	1356.4	1354.9	1353.5	1354.0
167.5°	1376.0	1377.5	1379.0	1380.5	1382.1	1382.1	1380.6	1379.1	1377.7	1376.2	1376.2
170°	1387.4	1389.1	1390.8	1392.5	1394.2	1394.4	1392.9	1391.5	1390.0	1388.6	1388.3
172.5°	1397.0	1398.7	1400.4	1402.1	1403.9	1403.9	1402.2	1400.6	1398.9	1397.3	1397.2
175°	1407.1	1408.8	1410.5	1412.2	1413.9	1413.9	1412.2	1410.5	1408.8	1407.1	1407.4
177.5°	1412.4	1413.9	1415.5	1417.0	1418.6	1418.7	1417.4	1416.0	1414.7	1413.2	1413.2
180°	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5
2.5°	555.8	553.3	551.5	550.1	546.2	543.8	542.1	539.6	536.7	533.7	529.9
5°	587.3	579.8	574.2	565.7	557.7	551.0	544.0	537.8	530.3	522.0	515.9
7.5°	620.5	609.2	594.7	582.2	568.1	555.8	544.9	533.7	522.0	510.6	500.2
10°	641.6	627.1	611.0	592.0	574.2	558.4	543.7	529.3	515.5	501.7	489.8
12.5°	664.2	646.1	622.4	600.2	580.2	559.0	541.3	523.8	507.1	492.6	478.8
15°	694.7	668.5	641.1	611.4	585.1	560.3	536.0	514.0	495.2	476.0	462.6
17.5°	713.3	681.0	649.7	618.7	586.8	555.5	529.3	503.9	480.4	461.4	444.5
20°	725.7	693.5	654.5	623.5	585.6	553.5	523.1	494.7	470.2	450.0	432.5
22.5°	736.3	699.3	660.2	619.3	581.6	547.5	514.3	485.9	460.8	439.4	422.7
25°	742.2	699.6	657.1	616.5	573.7	533.4	503.2	469.8	443.0	420.5	402.7
27.5°	742.8	697.2	649.2	604.2	560.0	522.4	484.4	454.4	426.7	402.8	385.7
30°	740.8	693.3	641.8	593.0	548.6	507.7	474.7	442.1	413.8	390.1	372.3
32.5°	734.5	685.1	632.2	580.4	534.4	494.5	460.4	429.4	401.8	378.5	359.8
35°	716.5	667.6	611.2	557.4	510.4	470.0	439.2	407.7	380.1	358.1	340.0
37.5°	688.2	644.1	586.7	531.1	484.8	444.3	413.8	385.4	360.4	338.0	319.5
40°	663.6	624.8	567.2	513.0	463.1	424.5	396.0	369.9	345.1	323.9	306.2
42.5°	635.3	601.4	548.4	491.0	442.7	404.0	376.2	352.7	329.4	309.8	292.2
45°	584.7	562.3	512.4	459.3	409.1	372.5	346.0	325.5	305.9	286.6	271.9
47.5°	526.5	515.4	473.3	422.9	375.3	339.2	316.2	297.3	280.0	263.8	250.8
50°	487.4	482.0	445.7	397.1	351.6	317.6	294.5	278.1	263.4	249.2	236.9
52.5°	448.8	448.7	415.8	371.4	329.2	296.6	273.5	258.4	245.6	234.0	223.0
55°	389.9	396.2	370.5	330.8	293.1	263.6	242.9	229.3	220.4	210.8	202.6
57.5°	335.8	346.2	325.0	290.0	258.5	231.5	213.4	203.2	193.7	187.8	181.8
60°	300.5	310.3	293.8	264.4	234.7	211.5	194.3	185.1	176.9	172.9	168.6
62.5°	269.1	277.8	265.6	238.3	212.5	190.2	175.7	166.9	161.4	157.0	154.2
65°	224.2	231.6	221.0	201.2	179.1	161.3	149.5	142.5	137.2	135.4	132.2
67.5°	181.3	187.9	182.3	165.4	147.7	134.1	124.9	118.3	115.1	113.6	111.3
70°	155.7	162.4	156.4	141.7	128.0	116.7	107.9	104.2	100.9	100.2	97.1
72.5°	134.1	138.6	132.6	121.1	109.5	99.9	93.1	89.2	87.5	86.2	84.5
75°	100.6	104.6	100.6	91.7	83.4	76.7	71.0	69.4	67.4	66.7	65.6
77.5°	71.2	74.6	71.6	66.1	59.9	54.7	51.6	49.6	49.1	48.0	48.5
80°	54.4	56.6	53.7	50.0	45.1	41.5	39.3	38.2	36.9	36.4	37.2
82.5°	39.1	40.1	38.5	36.0	32.4	30.1	28.6	27.2	27.0	27.1	27.1
85°	20.3	20.1	19.9	17.6	16.5	15.0	14.0	13.9	13.6	14.0	14.5
87.5°	10.8	10.7	10.1	8.9	7.8	6.7	6.0	5.3	6.0	6.7	7.4
90°	20.2	18.3	16.3	13.9	11.3	8.7	5.9	3.3	5.9	8.7	11.3
92.5°	40.6	39.3	37.9	35.7	32.6	29.6	26.5	23.5	26.5	29.6	32.6
95°	79.8	78.1	76.4	74.5	72.3	70.1	67.9	65.7	67.9	70.1	72.3
97.5°	127.6	125.6	123.7	121.8	120.0	118.3	116.5	114.8	116.5	118.3	120.0
100°	163.2	161.0	158.8	157.2	156.2	155.2	154.3	153.4	154.3	155.2	156.2
102.5°	200.4	198.3	196.3	195.2	194.7	194.4	194.0	193.6	194.0	194.4	194.7
105°	258.6	257.7	256.7	256.1	255.9	255.6	255.4	255.1	255.4	255.6	255.9
107.5°	321.4	321.3	321.1	320.9	320.7	320.4	320.1	319.7	320.1	320.4	320.7
110°	365.1	365.4	365.6	365.5	365.0	364.5	364.0	363.5	364.0	364.5	365.0





TEST NUMBER: P332527-830

CATALOG NUMBER: S124DIP-S350D1205U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	408.5	408.9	409.3	409.5	409.4	409.3	409.3	409.1	409.3	409.3	409.4
115°	476.3	476.7	477.2	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4
117.5°	541.9	542.2	542.5	542.6	542.4	542.2	542.1	541.9	542.1	542.2	542.4
120°	587.3	588.1	588.8	588.6	587.7	586.7	585.7	584.8	585.7	586.7	587.7
122.5°	630.4	630.7	631.0	631.0	630.6	630.2	629.8	629.4	629.8	630.2	630.6
125°	694.7	695.0	695.2	695.3	695.3	695.3	695.3	695.3	695.3	695.3	695.3
127.5°	757.4	757.8	758.3	758.1	757.3	756.6	755.9	755.2	755.9	756.6	757.3
130°	800.5	800.5	800.5	800.1	799.4	798.6	798.0	797.2	798.0	798.6	799.4
132.5°	842.1	842.3	842.4	842.3	841.7	841.2	840.7	840.1	840.7	841.2	841.7
135°	903.4	903.4	903.4	902.7	901.3	899.8	898.3	896.8	898.3	899.8	901.3
137.5°	962.6	962.2	961.9	961.3	960.6	960.0	959.3	958.6	959.3	960.0	960.6
140°	1001.9	1001.9	1001.9	1001.7	1001.3	1000.8	1000.2	999.8	1000.2	1000.8	1001.3
142.5°	1039.2	1039.3	1039.5	1039.4	1038.9	1038.4	1037.9	1037.5	1037.9	1038.4	1038.9
145°	1094.6	1094.3	1094.1	1093.4	1092.5	1091.6	1090.5	1089.6	1090.5	1091.6	1092.5
147.5°	1146.0	1146.2	1146.4	1145.9	1144.7	1143.6	1142.5	1141.2	1142.5	1143.6	1144.7
150°	1177.1	1177.1	1177.1	1176.7	1175.7	1174.8	1173.7	1172.8	1173.7	1174.8	1175.7
152.5°	1205.7	1205.5	1205.3	1204.9	1204.3	1203.7	1203.2	1202.6	1203.2	1203.7	1204.3
155°	1247.7	1248.0	1248.2	1248.3	1248.3	1248.3	1248.3	1248.3	1248.3	1248.3	1248.3
157.5°	1284.8	1284.9	1284.9	1285.2	1285.6	1286.0	1286.5	1286.9	1286.5	1286.0	1285.6
160°	1308.0	1308.2	1308.4	1308.7	1308.9	1309.2	1309.5	1309.7	1309.5	1309.2	1308.9
162.5°	1327.3	1327.5	1327.8	1328.1	1328.8	1329.5	1330.0	1330.7	1330.0	1329.5	1328.8
165°	1354.4	1354.9	1355.4	1356.0	1356.8	1357.4	1358.2	1359.0	1358.2	1357.4	1356.8
167.5°	1376.1	1376.1	1376.0	1376.6	1377.5	1378.6	1379.6	1380.6	1379.6	1378.6	1377.5
170°	1388.0	1387.8	1387.5	1388.0	1389.2	1390.4	1391.7	1392.9	1391.7	1390.4	1389.2
172.5°	1397.2	1397.1	1397.0	1397.6	1398.5	1399.6	1400.6	1401.7	1400.6	1399.6	1398.5
175°	1407.6	1407.9	1408.1	1408.8	1410.0	1411.3	1412.5	1413.7	1412.5	1411.3	1410.0
177.5°	1413.2	1413.2	1413.2	1413.7	1414.8	1415.7	1416.6	1417.7	1416.6	1415.7	1414.8
180°	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9



TEST NUMBER: P332527-830

CATALOG NUMBER: S124DIP-S350D1205U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5
2.5°	528.1	526.5	524.2	521.0	518.3	515.5	514.7	513.7	515.9	514.1	513.5
5°	510.9	506.1	500.1	493.2	489.2	483.4	482.3	480.0	477.8	477.6	475.3
7.5°	492.5	485.6	477.7	470.7	464.2	457.8	453.6	452.8	449.5	447.5	445.4
10°	480.7	472.2	463.1	456.4	448.8	442.1	437.4	434.8	432.5	430.1	427.8
12.5°	466.8	457.8	450.3	443.0	434.0	429.0	421.2	416.6	416.1	416.1	410.4
15°	450.6	441.7	430.1	419.8	414.9	405.1	400.9	395.5	392.2	388.8	386.2
17.5°	432.1	420.9	411.9	400.1	390.8	383.0	377.4	374.2	369.1	364.4	361.0
20°	420.5	408.7	399.1	386.5	376.4	366.7	362.0	357.6	353.8	349.8	346.0
22.5°	408.7	396.3	384.7	372.5	363.0	352.8	348.3	342.2	338.7	336.4	332.6
25°	390.1	376.7	363.4	351.8	342.0	333.0	327.1	322.3	318.3	316.5	314.1
27.5°	369.9	356.7	343.7	330.5	319.4	312.9	308.1	304.6	302.3	299.9	298.8
30°	357.1	343.3	329.5	317.2	307.0	300.5	296.1	293.6	291.8	290.7	289.5
32.5°	344.1	330.5	315.9	304.7	295.5	289.7	286.3	283.9	283.0	282.7	282.2
35°	323.2	309.4	296.1	286.0	277.3	275.0	272.1	270.8	270.3	271.9	272.6
37.5°	303.0	290.2	277.9	268.2	262.4	259.2	258.2	258.3	259.9	261.2	262.8
40°	290.0	277.5	265.9	257.4	252.0	250.1	249.6	250.7	252.5	254.1	255.9
42.5°	277.3	265.0	254.5	246.6	242.8	240.9	241.2	242.3	244.9	246.8	249.4
45°	257.7	247.4	237.1	230.6	227.5	228.0	228.0	230.0	232.4	235.4	238.3
47.5°	239.1	228.8	220.4	214.9	213.3	212.9	214.1	216.8	220.3	223.9	227.9
50°	226.7	216.8	209.4	204.5	202.7	203.4	205.2	207.6	211.9	216.4	220.6
52.5°	214.0	205.0	198.2	193.7	192.4	193.6	195.4	199.3	203.0	207.8	212.9
55°	194.3	186.7	181.3	178.0	177.6	178.2	180.2	184.5	189.8	195.9	200.8
57.5°	174.7	168.3	163.4	161.2	161.4	162.0	165.3	170.3	176.1	182.5	188.8
60°	161.5	155.7	151.7	149.9	150.1	151.5	155.5	160.1	167.3	173.5	180.2
62.5°	149.0	143.9	140.1	138.5	138.2	141.1	145.0	149.8	156.9	163.9	171.2
65°	128.9	124.9	121.8	120.9	121.6	123.9	128.8	135.2	141.2	148.5	156.2
67.5°	109.3	106.0	103.9	104.2	105.1	108.4	112.4	118.0	124.9	132.5	140.0
70°	96.8	93.7	91.9	92.1	93.5	97.5	101.0	106.6	114.0	121.8	128.0
72.5°	84.0	81.9	80.3	81.2	82.6	85.3	89.8	95.4	101.9	109.1	115.7
75°	64.5	64.5	63.6	64.3	66.3	68.9	72.3	78.0	84.5	90.4	95.7
77.5°	47.8	47.3	47.9	48.7	49.9	53.1	56.9	61.1	65.9	71.7	76.2
80°	36.6	36.9	37.9	39.3	39.7	42.1	46.2	50.0	53.7	58.6	62.9
82.5°	27.5	27.7	28.3	30.0	30.4	33.1	35.6	39.4	42.9	46.2	49.7
85°	15.0	15.0	16.0	16.8	17.8	19.6	21.2	23.5	26.6	28.7	32.1
87.5°	8.5	9.0	10.1	10.8	11.8	13.0	13.7	15.9	17.0	18.1	19.9
90°	13.9	16.3	18.3	20.2	22.1	24.1	25.5	27.1	28.5	30.0	30.9
92.5°	35.7	37.9	39.3	40.6	42.0	43.4	44.2	45.1	46.0	46.8	47.4
95°	74.5	76.4	78.1	79.8	81.5	83.2	84.0	84.6	85.4	86.1	86.5
97.5°	121.8	123.7	125.6	127.6	129.6	131.6	132.5	133.4	134.2	135.2	135.5
100°	157.2	158.8	161.0	163.2	165.3	167.6	168.1	168.5	169.0	169.5	169.8
102.5°	195.2	196.3	198.3	200.4	202.4	204.3	205.0	205.7	206.4	207.1	207.5
105°	256.1	256.7	257.7	258.6	259.7	260.6	261.4	262.1	262.8	263.5	264.3
107.5°	320.9	321.1	321.3	321.4	321.6	321.7	322.4	323.1	323.8	324.4	324.8
110°	365.5	365.6	365.4	365.1	364.9	364.7	364.2	363.6	363.2	362.7	362.8



TEST NUMBER: P332527-830

CATALOG NUMBER: S124DIP-S350D1205U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	409.5	409.3	408.9	408.5	408.0	407.6	407.5	407.4	407.3	407.2	407.2
115°	477.4	477.2	476.7	476.3	475.7	475.2	475.0	474.8	474.5	474.3	474.0
117.5°	542.6	542.5	542.2	541.9	541.5	541.2	540.4	539.5	538.7	537.8	537.2
120°	588.6	588.8	588.1	587.3	586.5	585.9	584.7	583.4	582.2	581.0	580.6
122.5°	631.0	631.0	630.7	630.4	630.0	629.6	628.9	628.0	627.2	626.3	625.5
125°	695.3	695.2	695.0	694.7	694.5	694.3	693.8	693.2	692.8	692.3	691.8
127.5°	758.1	758.3	757.8	757.4	757.1	756.7	756.2	755.7	755.3	754.7	754.3
130°	800.1	800.5	800.5	800.5	800.5	800.5	800.0	799.5	799.0	798.5	797.8
132.5°	842.3	842.4	842.3	842.1	841.9	841.7	841.1	840.7	840.2	839.7	839.2
135°	902.7	903.4	903.4	903.4	903.4	903.4	903.0	902.5	901.9	901.4	900.9
137.5°	961.3	961.9	962.2	962.6	963.0	963.4	962.8	962.1	961.5	960.9	960.6
140°	1001.7	1001.9	1001.9	1001.9	1001.9	1001.9	1001.7	1001.5	1001.3	1001.0	1000.8
142.5°	1039.4	1039.5	1039.3	1039.2	1039.0	1038.8	1038.7	1038.7	1038.6	1038.6	1038.5
145°	1093.4	1094.1	1094.3	1094.6	1094.8	1095.0	1094.8	1094.6	1094.3	1094.1	1093.5
147.5°	1145.9	1146.4	1146.2	1146.0	1145.8	1145.7	1145.5	1145.3	1145.1	1144.8	1144.6
150°	1176.7	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.0
152.5°	1204.9	1205.3	1205.5	1205.7	1205.9	1206.1	1206.6	1207.2	1207.9	1208.4	1208.4
155°	1248.3	1248.2	1248.0	1247.7	1247.5	1247.3	1248.2	1249.2	1250.2	1251.1	1251.1
157.5°	1285.2	1284.9	1284.9	1284.8	1284.8	1284.7	1285.4	1286.2	1286.9	1287.6	1287.6
160°	1308.7	1308.4	1308.2	1308.0	1307.7	1307.5	1308.2	1308.9	1309.7	1310.4	1310.1
162.5°	1328.1	1327.8	1327.5	1327.3	1327.0	1326.7	1328.0	1329.4	1330.7	1332.0	1332.1
165°	1356.0	1355.4	1354.9	1354.4	1354.0	1353.5	1354.9	1356.4	1357.8	1359.3	1359.5
167.5°	1376.6	1376.0	1376.1	1376.1	1376.2	1376.2	1377.7	1379.1	1380.6	1382.1	1382.1
170°	1388.0	1387.5	1387.8	1388.0	1388.3	1388.6	1390.0	1391.5	1392.9	1394.4	1394.2
172.5°	1397.6	1397.0	1397.1	1397.2	1397.2	1397.3	1398.9	1400.6	1402.2	1403.9	1403.9
175°	1408.8	1408.1	1407.9	1407.6	1407.4	1407.1	1408.8	1410.5	1412.2	1413.9	1413.9
177.5°	1413.7	1413.2	1413.2	1413.2	1413.2	1413.2	1414.7	1416.0	1417.4	1418.7	1418.6
180°	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9



TEST NUMBER: P332527-830

CATALOG NUMBER: S124DIP-S350D1205U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5
2.5°	513.1	512.8	511.5	511.3	511.5	512.8	513.1	513.5	514.1	515.9	513.7
5°	474.0	472.9	472.2	474.7	472.2	472.9	474.0	475.3	477.6	477.8	480.0
7.5°	444.5	443.7	441.7	441.0	441.7	443.7	444.5	445.4	447.5	449.5	452.8
10°	425.7	424.7	422.9	422.4	422.9	424.7	425.7	427.8	430.1	432.5	434.8
12.5°	407.4	405.7	405.3	405.8	405.3	405.7	407.4	410.4	416.1	416.1	416.6
15°	383.2	382.3	379.8	380.6	379.8	382.3	383.2	386.2	388.8	392.2	395.5
17.5°	359.4	358.4	355.3	358.0	355.3	358.4	359.4	361.0	364.4	369.1	374.2
20°	344.4	342.6	341.1	340.8	341.1	342.6	344.4	346.0	349.8	353.8	357.6
22.5°	330.2	328.6	328.4	327.0	328.4	328.6	330.2	332.6	336.4	338.7	342.2
25°	312.3	310.8	310.3	309.2	310.3	310.8	312.3	314.1	316.5	318.3	322.3
27.5°	298.6	297.8	297.0	297.4	297.0	297.8	298.6	298.8	299.9	302.3	304.6
30°	290.2	290.0	289.5	289.5	289.5	290.0	290.2	289.5	290.7	291.8	293.6
32.5°	283.2	283.2	283.5	283.5	283.5	283.2	283.2	282.2	282.7	283.0	283.9
35°	273.5	274.2	274.6	273.9	274.6	274.2	273.5	272.6	271.9	270.3	270.8
37.5°	264.7	265.3	266.0	266.7	266.0	265.3	264.7	262.8	261.2	259.9	258.3
40°	257.9	259.4	259.9	261.0	259.9	259.4	257.9	255.9	254.1	252.5	250.7
42.5°	251.5	253.2	254.3	254.6	254.3	253.2	251.5	249.4	246.8	244.9	242.3
45°	241.6	243.4	245.0	245.0	245.0	243.4	241.6	238.3	235.4	232.4	230.0
47.5°	231.4	233.9	235.5	235.9	235.5	233.9	231.4	227.9	223.9	220.3	216.8
50°	224.4	227.5	229.1	230.2	229.1	227.5	224.4	220.6	216.4	211.9	207.6
52.5°	217.6	220.7	222.8	223.4	222.8	220.7	217.6	212.9	207.8	203.0	199.3
55°	205.9	210.4	212.8	213.7	212.8	210.4	205.9	200.8	195.9	189.8	184.5
57.5°	194.8	199.0	201.8	202.5	201.8	199.0	194.8	188.8	182.5	176.1	170.3
60°	186.2	190.8	194.3	194.9	194.3	190.8	186.2	180.2	173.5	167.3	160.1
62.5°	177.5	182.2	185.4	187.1	185.4	182.2	177.5	171.2	163.9	156.9	149.8
65°	162.4	167.1	170.2	170.9	170.2	167.1	162.4	156.2	148.5	141.2	135.2
67.5°	145.9	150.6	152.6	153.9	152.6	150.6	145.9	140.0	132.5	124.9	118.0
70°	134.3	138.1	140.3	141.4	140.3	138.1	134.3	128.0	121.8	114.0	106.6
72.5°	121.1	125.1	127.6	127.9	127.6	125.1	121.1	115.7	109.1	101.9	95.4
75°	100.9	104.4	105.8	105.8	105.8	104.4	100.9	95.7	90.4	84.5	78.0
77.5°	79.8	81.6	83.3	83.7	83.3	81.6	79.8	76.2	71.7	65.9	61.1
80°	66.3	67.4	68.7	68.7	68.7	67.4	66.3	62.9	58.6	53.7	50.0
82.5°	52.3	53.3	54.6	54.4	54.6	53.3	52.3	49.7	46.2	42.9	39.4
85°	31.7	33.6	33.5	33.0	33.5	33.6	31.7	32.1	28.7	26.6	23.5
87.5°	20.5	20.8	21.5	22.0	21.5	20.8	20.5	19.9	18.1	17.0	15.9
90°	31.4	31.9	32.3	32.9	32.3	31.9	31.4	30.9	30.0	28.5	27.1
92.5°	47.8	48.1	48.4	48.6	48.4	48.1	47.8	47.4	46.8	46.0	45.1
95°	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.1	85.4	84.6
97.5°	135.5	135.5	135.5	135.5	135.5	135.5	135.5	135.5	135.2	134.2	133.4
100°	169.8	169.8	169.8	169.8	169.8	169.8	169.8	169.8	169.5	169.0	168.5
102.5°	207.7	207.9	208.1	208.3	208.1	207.9	207.7	207.5	207.1	206.4	205.7
105°	265.0	265.7	266.5	267.2	266.5	265.7	265.0	264.3	263.5	262.8	262.1
107.5°	324.7	324.7	324.6	324.6	324.6	324.7	324.7	324.8	324.4	323.8	323.1
110°	363.5	364.3	365.0	365.7	365.0	364.3	363.5	362.8	362.7	363.2	363.6



TEST NUMBER: P332527-830

CATALOG NUMBER: S124DIP-S350D1205U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	407.4	407.5	407.6	407.8	407.6	407.5	407.4	407.2	407.2	407.3	407.4
115°	473.8	473.5	473.3	473.1	473.3	473.5	473.8	474.0	474.3	474.5	474.8
117.5°	536.7	536.2	535.7	535.3	535.7	536.2	536.7	537.2	537.8	538.7	539.5
120°	581.1	581.5	582.1	582.6	582.1	581.5	581.1	580.6	581.0	582.2	583.4
122.5°	624.6	623.8	622.8	622.0	622.8	623.8	624.6	625.5	626.3	627.2	628.0
125°	691.4	690.9	690.3	689.8	690.3	690.9	691.4	691.8	692.3	692.8	693.2
127.5°	753.9	753.5	753.1	752.7	753.1	753.5	753.9	754.3	754.7	755.3	755.7
130°	796.8	795.9	794.8	793.9	794.8	795.9	796.8	797.8	798.5	799.0	799.5
132.5°	838.9	838.5	838.1	837.7	838.1	838.5	838.9	839.2	839.7	840.2	840.7
135°	900.1	899.4	898.6	898.0	898.6	899.4	900.1	900.9	901.4	901.9	902.5
137.5°	960.8	960.9	961.1	961.2	961.1	960.9	960.8	960.6	960.9	961.5	962.1
140°	1000.5	1000.2	1000.0	999.8	1000.0	1000.2	1000.5	1000.8	1001.0	1001.3	1001.5
142.5°	1038.5	1038.4	1038.4	1038.3	1038.4	1038.4	1038.5	1038.5	1038.6	1038.6	1038.7
145°	1092.9	1092.1	1091.4	1090.7	1091.4	1092.1	1092.9	1093.5	1094.1	1094.3	1094.6
147.5°	1144.4	1144.2	1143.9	1143.7	1143.9	1144.2	1144.4	1144.6	1144.8	1145.1	1145.3
150°	1176.8	1176.6	1176.3	1176.1	1176.3	1176.6	1176.8	1177.0	1177.1	1177.1	1177.1
152.5°	1207.8	1207.1	1206.5	1205.9	1206.5	1207.1	1207.8	1208.4	1208.4	1207.9	1207.2
155°	1250.2	1249.2	1248.2	1247.3	1248.2	1249.2	1250.2	1251.1	1251.1	1250.2	1249.2
157.5°	1286.8	1285.9	1285.1	1284.3	1285.1	1285.9	1286.8	1287.6	1287.6	1286.9	1286.2
160°	1308.9	1307.7	1306.6	1305.3	1306.6	1307.7	1308.9	1310.1	1310.4	1309.7	1308.9
162.5°	1330.9	1329.6	1328.4	1327.2	1328.4	1329.6	1330.9	1332.1	1332.0	1330.7	1329.4
165°	1358.6	1357.6	1356.6	1355.7	1356.6	1357.6	1358.6	1359.5	1359.3	1357.8	1356.4
167.5°	1380.5	1379.0	1377.5	1376.0	1377.5	1379.0	1380.5	1382.1	1382.1	1380.6	1379.1
170°	1392.5	1390.8	1389.1	1387.4	1389.1	1390.8	1392.5	1394.2	1394.4	1392.9	1391.5
172.5°	1402.1	1400.4	1398.7	1397.0	1398.7	1400.4	1402.1	1403.9	1403.9	1402.2	1400.6
175°	1412.2	1410.5	1408.8	1407.1	1408.8	1410.5	1412.2	1413.9	1413.9	1412.2	1410.5
177.5°	1417.0	1415.5	1413.9	1412.4	1413.9	1415.5	1417.0	1418.6	1418.7	1417.4	1416.0
180°	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9



TEST NUMBER: P332527-830

CATALOG NUMBER: S124DIP-S350D1205U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5
2.5°	514.7	515.5	518.3	521.0	524.2	526.5	528.1	529.9	533.7	536.7	539.6
5°	482.3	483.4	489.2	493.2	500.1	506.1	510.9	515.9	522.0	530.3	537.8
7.5°	453.6	457.8	464.2	470.7	477.7	485.6	492.5	500.2	510.6	522.0	533.7
10°	437.4	442.1	448.8	456.4	463.1	472.2	480.7	489.8	501.7	515.5	529.3
12.5°	421.2	429.0	434.0	443.0	450.3	457.8	466.8	478.8	492.6	507.1	523.8
15°	400.9	405.1	414.9	419.8	430.1	441.7	450.6	462.6	476.0	495.2	514.0
17.5°	377.4	383.0	390.8	400.1	411.9	420.9	432.1	444.5	461.4	480.4	503.9
20°	362.0	366.7	376.4	386.5	399.1	408.7	420.5	432.5	450.0	470.2	494.7
22.5°	348.3	352.8	363.0	372.5	384.7	396.3	408.7	422.7	439.4	460.8	485.9
25°	327.1	333.0	342.0	351.8	363.4	376.7	390.1	402.7	420.5	443.0	469.8
27.5°	308.1	312.9	319.4	330.5	343.7	356.7	369.9	385.7	402.8	426.7	454.4
30°	296.1	300.5	307.0	317.2	329.5	343.3	357.1	372.3	390.1	413.8	442.1
32.5°	286.3	289.7	295.5	304.7	315.9	330.5	344.1	359.8	378.5	401.8	429.4
35°	272.1	275.0	277.3	286.0	296.1	309.4	323.2	340.0	358.1	380.1	407.7
37.5°	258.2	259.2	262.4	268.2	277.9	290.2	303.0	319.5	338.0	360.4	385.4
40°	249.6	250.1	252.0	257.4	265.9	277.5	290.0	306.2	323.9	345.1	369.9
42.5°	241.2	240.9	242.8	246.6	254.5	265.0	277.3	292.2	309.8	329.4	352.7
45°	228.0	228.0	227.5	230.6	237.1	247.4	257.7	271.9	286.6	305.9	325.5
47.5°	214.1	212.9	213.3	214.9	220.4	228.8	239.1	250.8	263.8	280.0	297.3
50°	205.2	203.4	202.7	204.5	209.4	216.8	226.7	236.9	249.2	263.4	278.1
52.5°	195.4	193.6	192.4	193.7	198.2	205.0	214.0	223.0	234.0	245.6	258.4
55°	180.2	178.2	177.6	178.0	181.3	186.7	194.3	202.6	210.8	220.4	229.3
57.5°	165.3	162.0	161.4	161.2	163.4	168.3	174.7	181.8	187.8	193.7	203.2
60°	155.5	151.5	150.1	149.9	151.7	155.7	161.5	168.6	172.9	176.9	185.1
62.5°	145.0	141.1	138.2	138.5	140.1	143.9	149.0	154.2	157.0	161.4	166.9
65°	128.8	123.9	121.6	120.9	121.8	124.9	128.9	132.2	135.4	137.2	142.5
67.5°	112.4	108.4	105.1	104.2	103.9	106.0	109.3	111.3	113.6	115.1	118.3
70°	101.0	97.5	93.5	92.1	91.9	93.7	96.8	97.1	100.2	100.9	104.2
72.5°	89.8	85.3	82.6	81.2	80.3	81.9	84.0	84.5	86.2	87.5	89.2
75°	72.3	68.9	66.3	64.3	63.6	64.5	64.5	65.6	66.7	67.4	69.4
77.5°	56.9	53.1	49.9	48.7	47.9	47.3	47.8	48.5	48.0	49.1	49.6
80°	46.2	42.1	39.7	39.3	37.9	36.9	36.6	37.2	36.4	36.9	38.2
82.5°	35.6	33.1	30.4	30.0	28.3	27.7	27.5	27.1	27.1	27.0	27.2
85°	21.2	19.6	17.8	16.8	16.0	15.0	15.0	14.5	14.0	13.6	13.9
87.5°	13.7	13.0	11.8	10.8	10.1	9.0	8.5	7.4	6.7	6.0	5.3
90°	25.5	24.1	22.1	20.2	18.3	16.3	13.9	11.3	8.7	5.9	3.3
92.5°	44.2	43.4	42.0	40.6	39.3	37.9	35.7	32.6	29.6	26.5	23.5
95°	84.0	83.2	81.5	79.8	78.1	76.4	74.5	72.3	70.1	67.9	65.7
97.5°	132.5	131.6	129.6	127.6	125.6	123.7	121.8	120.0	118.3	116.5	114.8
100°	168.1	167.6	165.3	163.2	161.0	158.8	157.2	156.2	155.2	154.3	153.4
102.5°	205.0	204.3	202.4	200.4	198.3	196.3	195.2	194.7	194.4	194.0	193.6
105°	261.4	260.6	259.7	258.6	257.7	256.7	256.1	255.9	255.6	255.4	255.1
107.5°	322.4	321.7	321.6	321.4	321.3	321.1	320.9	320.7	320.4	320.1	319.7
110°	364.2	364.7	364.9	365.1	365.4	365.6	365.5	365.0	364.5	364.0	363.5



TEST NUMBER: P332527-830

CATALOG NUMBER: S124DIP-S350D1205U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	407.5	407.6	408.0	408.5	408.9	409.3	409.5	409.4	409.3	409.3	409.1
115°	475.0	475.2	475.7	476.3	476.7	477.2	477.4	477.4	477.4	477.4	477.4
117.5°	540.4	541.2	541.5	541.9	542.2	542.5	542.6	542.4	542.2	542.1	541.9
120°	584.7	585.9	586.5	587.3	588.1	588.8	588.6	587.7	586.7	585.7	584.8
122.5°	628.9	629.6	630.0	630.4	630.7	631.0	631.0	630.6	630.2	629.8	629.4
125°	693.8	694.3	694.5	694.7	695.0	695.2	695.3	695.3	695.3	695.3	695.3
127.5°	756.2	756.7	757.1	757.4	757.8	758.3	758.1	757.3	756.6	755.9	755.2
130°	800.0	800.5	800.5	800.5	800.5	800.5	800.1	799.4	798.6	798.0	797.2
132.5°	841.1	841.7	841.9	842.1	842.3	842.4	842.3	841.7	841.2	840.7	840.1
135°	903.0	903.4	903.4	903.4	903.4	903.4	902.7	901.3	899.8	898.3	896.8
137.5°	962.8	963.4	963.0	962.6	962.2	961.9	961.3	960.6	960.0	959.3	958.6
140°	1001.7	1001.9	1001.9	1001.9	1001.9	1001.9	1001.7	1001.3	1000.8	1000.2	999.8
142.5°	1038.7	1038.8	1039.0	1039.2	1039.3	1039.5	1039.4	1038.9	1038.4	1037.9	1037.5
145°	1094.8	1095.0	1094.8	1094.6	1094.3	1094.1	1093.4	1092.5	1091.6	1090.5	1089.6
147.5°	1145.5	1145.7	1145.8	1146.0	1146.2	1146.4	1145.9	1144.7	1143.6	1142.5	1141.2
150°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1176.7	1175.7	1174.8	1173.7	1172.8
152.5°	1206.6	1206.1	1205.9	1205.7	1205.5	1205.3	1204.9	1204.3	1203.7	1203.2	1202.6
155°	1248.2	1247.3	1247.5	1247.7	1248.0	1248.2	1248.3	1248.3	1248.3	1248.3	1248.3
157.5°	1285.4	1284.7	1284.8	1284.8	1284.9	1284.9	1285.2	1285.6	1286.0	1286.5	1286.9
160°	1308.2	1307.5	1307.7	1308.0	1308.2	1308.4	1308.7	1308.9	1309.2	1309.5	1309.7
162.5°	1328.0	1326.7	1327.0	1327.3	1327.5	1327.8	1328.1	1328.8	1329.5	1330.0	1330.7
165°	1354.9	1353.5	1354.0	1354.4	1354.9	1355.4	1356.0	1356.8	1357.4	1358.2	1359.0
167.5°	1377.7	1376.2	1376.2	1376.1	1376.1	1376.0	1376.6	1377.5	1378.6	1379.6	1380.6
170°	1390.0	1388.6	1388.3	1388.0	1387.8	1387.5	1388.0	1389.2	1390.4	1391.7	1392.9
172.5°	1398.9	1397.3	1397.2	1397.2	1397.1	1397.0	1397.6	1398.5	1399.6	1400.6	1401.7
175°	1408.8	1407.1	1407.4	1407.6	1407.9	1408.1	1408.8	1410.0	1411.3	1412.5	1413.7
177.5°	1414.7	1413.2	1413.2	1413.2	1413.2	1413.2	1413.7	1414.8	1415.7	1416.6	1417.7
180°	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9



TEST NUMBER: P332527-830

CATALOG NUMBER: S124DIP-S350D1205U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5
2.5°	542.1	543.8	546.2	550.1	551.5	553.3	555.8	555.6	556.3	559.0	564.7
5°	544.0	551.0	557.7	565.7	574.2	579.8	587.3	592.0	596.7	602.8	613.0
7.5°	544.9	555.8	568.1	582.2	594.7	609.2	620.5	631.1	640.7	653.4	665.6
10°	543.7	558.4	574.2	592.0	611.0	627.1	641.6	658.1	672.1	687.5	701.3
12.5°	541.3	559.0	580.2	600.2	622.4	646.1	664.2	680.9	699.6	717.3	738.7
15°	536.0	560.3	585.1	611.4	641.1	668.5	694.7	716.2	736.3	762.9	790.8
17.5°	529.3	555.5	586.8	618.7	649.7	681.0	713.3	745.8	771.2	804.2	826.0
20°	523.1	553.5	585.6	623.5	654.5	693.5	725.7	757.1	791.9	824.7	850.8
22.5°	514.3	547.5	581.6	619.3	660.2	699.3	736.3	770.4	805.3	840.9	872.5
25°	503.2	533.4	573.7	616.5	657.1	699.6	742.2	784.9	822.5	860.2	889.6
27.5°	484.4	522.4	560.0	604.2	649.2	697.2	742.8	787.6	826.9	857.9	876.1
30°	474.7	507.7	548.6	593.0	641.8	693.3	740.8	784.8	821.3	846.1	853.5
32.5°	460.4	494.5	534.4	580.4	632.2	685.1	734.5	776.0	806.5	819.5	810.7
35°	439.2	470.0	510.4	557.4	611.2	667.6	716.5	751.5	767.1	754.9	724.3
37.5°	413.8	444.3	484.8	531.1	586.7	644.1	688.2	713.5	708.3	677.8	632.3
40°	396.0	424.5	463.1	513.0	567.2	624.8	663.6	677.2	663.0	619.3	570.8
42.5°	376.2	404.0	442.7	491.0	548.4	601.4	635.3	636.4	612.5	560.2	511.6
45°	346.0	372.5	409.1	459.3	512.4	562.3	584.7	573.7	529.5	479.2	430.3
47.5°	316.2	339.2	375.3	422.9	473.3	515.4	526.5	506.8	459.8	410.8	365.5
50°	294.5	317.6	351.6	397.1	445.7	482.0	487.4	461.3	415.1	365.8	330.4
52.5°	273.5	296.6	329.2	371.4	415.8	448.7	448.8	418.7	372.7	328.8	295.8
55°	242.9	263.6	293.1	330.8	370.5	396.2	389.9	358.7	318.8	280.6	251.8
57.5°	213.4	231.5	258.5	290.0	325.0	346.2	335.8	305.8	270.1	237.7	215.9
60°	194.3	211.5	234.7	264.4	293.8	310.3	300.5	273.2	240.4	214.3	195.4
62.5°	175.7	190.2	212.5	238.3	265.6	277.8	269.1	242.2	213.9	190.3	174.8
65°	149.5	161.3	179.1	201.2	221.0	231.6	224.2	199.2	177.6	160.6	148.4
67.5°	124.9	134.1	147.7	165.4	182.3	187.9	181.3	163.8	145.5	132.0	123.3
70°	107.9	116.7	128.0	141.7	156.4	162.4	155.7	141.9	127.0	114.4	105.9
72.5°	93.1	99.9	109.5	121.1	132.6	138.6	134.1	120.8	108.2	98.9	91.7
75°	71.0	76.7	83.4	91.7	100.6	104.6	100.6	91.4	82.8	75.9	70.7
77.5°	51.6	54.7	59.9	66.1	71.6	74.6	71.2	65.0	59.7	55.0	52.4
80°	39.3	41.5	45.1	50.0	53.7	56.6	54.4	49.3	45.1	41.9	40.8
82.5°	28.6	30.1	32.4	36.0	38.5	40.1	39.1	35.3	33.6	30.9	29.8
85°	14.0	15.0	16.5	17.6	19.9	20.1	20.3	18.8	17.2	16.5	15.6
87.5°	6.0	6.7	7.8	8.9	10.1	10.7	10.8	11.2	10.8	11.0	10.6
90°	5.9	8.7	11.3	13.9	16.3	18.3	20.2	22.1	24.1	25.5	27.1
92.5°	26.5	29.6	32.6	35.7	37.9	39.3	40.6	42.0	43.4	44.2	45.1
95°	67.9	70.1	72.3	74.5	76.4	78.1	79.8	81.5	83.2	84.0	84.6
97.5°	116.5	118.3	120.0	121.8	123.7	125.6	127.6	129.6	131.6	132.5	133.4
100°	154.3	155.2	156.2	157.2	158.8	161.0	163.2	165.3	167.6	168.1	168.5
102.5°	194.0	194.4	194.7	195.2	196.3	198.3	200.4	202.4	204.3	205.0	205.7
105°	255.4	255.6	255.9	256.1	256.7	257.7	258.6	259.7	260.6	261.4	262.1
107.5°	320.1	320.4	320.7	320.9	321.1	321.3	321.4	321.6	321.7	322.4	323.1
110°	364.0	364.5	365.0	365.5	365.6	365.4	365.1	364.9	364.7	364.2	363.6





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	409.3	409.3	409.4	409.5	409.3	408.9	408.5	408.0	407.6	407.5	407.4
115°	477.4	477.4	477.4	477.4	477.2	476.7	476.3	475.7	475.2	475.0	474.8
117.5°	542.1	542.2	542.4	542.6	542.5	542.2	541.9	541.5	541.2	540.4	539.5
120°	585.7	586.7	587.7	588.6	588.8	588.1	587.3	586.5	585.9	584.7	583.4
122.5°	629.8	630.2	630.6	631.0	631.0	630.7	630.4	630.0	629.6	628.9	628.0
125°	695.3	695.3	695.3	695.3	695.2	695.0	694.7	694.5	694.3	693.8	693.2
127.5°	755.9	756.6	757.3	758.1	758.3	757.8	757.4	757.1	756.7	756.2	755.7
130°	798.0	798.6	799.4	800.1	800.5	800.5	800.5	800.5	800.5	800.0	799.5
132.5°	840.7	841.2	841.7	842.3	842.4	842.3	842.1	841.9	841.7	841.1	840.7
135°	898.3	899.8	901.3	902.7	903.4	903.4	903.4	903.4	903.4	903.0	902.5
137.5°	959.3	960.0	960.6	961.3	961.9	962.2	962.6	963.0	963.4	962.8	962.1
140°	1000.2	1000.8	1001.3	1001.7	1001.9	1001.9	1001.9	1001.9	1001.9	1001.7	1001.5
142.5°	1037.9	1038.4	1038.9	1039.4	1039.5	1039.3	1039.2	1039.0	1038.8	1038.7	1038.7
145°	1090.5	1091.6	1092.5	1093.4	1094.1	1094.3	1094.6	1094.8	1095.0	1094.8	1094.6
147.5°	1142.5	1143.6	1144.7	1145.9	1146.4	1146.2	1146.0	1145.8	1145.7	1145.5	1145.3
150°	1173.7	1174.8	1175.7	1176.7	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
152.5°	1203.2	1203.7	1204.3	1204.9	1205.3	1205.5	1205.7	1205.9	1206.1	1206.6	1207.2
155°	1248.3	1248.3	1248.3	1248.3	1248.2	1248.0	1247.7	1247.5	1247.3	1248.2	1249.2
157.5°	1286.5	1286.0	1285.6	1285.2	1284.9	1284.9	1284.8	1284.8	1284.7	1285.4	1286.2
160°	1309.5	1309.2	1308.9	1308.7	1308.4	1308.2	1308.0	1307.7	1307.5	1308.2	1308.9
162.5°	1330.0	1329.5	1328.8	1328.1	1327.8	1327.5	1327.3	1327.0	1326.7	1328.0	1329.4
165°	1358.2	1357.4	1356.8	1356.0	1355.4	1354.9	1354.4	1354.0	1353.5	1354.9	1356.4
167.5°	1379.6	1378.6	1377.5	1376.6	1376.0	1376.1	1376.1	1376.2	1376.2	1377.7	1379.1
170°	1391.7	1390.4	1389.2	1388.0	1387.5	1387.8	1388.0	1388.3	1388.6	1390.0	1391.5
172.5°	1400.6	1399.6	1398.5	1397.6	1397.0	1397.1	1397.2	1397.2	1397.3	1398.9	1400.6
175°	1412.5	1411.3	1410.0	1408.8	1408.1	1407.9	1407.6	1407.4	1407.1	1408.8	1410.5
177.5°	1416.6	1415.7	1414.8	1413.7	1413.2	1413.2	1413.2	1413.2	1413.2	1414.7	1416.0
180°	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	538.5	538.5	538.5	538.5	538.5	538.5	538.5
2.5°	567.6	568.0	569.6	570.8	571.2	573.0	573.1
5°	617.5	621.2	628.6	629.2	630.4	636.2	631.7
7.5°	675.9	685.5	691.9	697.7	699.6	702.2	701.7
10°	713.4	727.6	734.8	746.2	746.6	749.5	747.7
12.5°	751.0	767.6	780.6	782.8	792.3	793.8	796.3
15°	804.4	822.0	840.1	846.6	859.7	862.8	867.7
17.5°	854.5	872.5	885.2	901.9	907.4	914.5	909.6
20°	882.0	901.6	917.8	930.9	936.4	940.5	940.0
22.5°	898.6	918.4	931.4	941.4	946.6	948.3	948.2
25°	909.0	920.4	924.4	928.2	922.4	920.4	921.2
27.5°	880.1	877.1	866.7	852.9	838.7	827.4	821.1
30°	840.3	822.9	807.1	779.4	765.2	756.7	749.0
32.5°	783.9	756.3	725.9	700.5	684.3	671.8	669.9
35°	687.3	645.8	608.5	577.5	561.5	547.9	544.7
37.5°	584.3	541.2	507.7	480.3	463.1	453.5	444.5
40°	515.9	478.9	445.9	422.7	409.5	402.7	397.1
42.5°	463.4	429.5	396.6	379.0	367.1	362.9	359.6
45°	390.6	359.1	336.4	323.0	316.1	309.0	305.6
47.5°	332.3	306.8	291.8	280.4	273.0	268.7	266.6
50°	299.4	278.4	265.0	256.3	249.6	246.3	244.5
52.5°	270.1	252.9	241.7	234.7	230.2	227.7	227.0
55°	232.6	219.5	212.4	206.3	203.0	200.8	199.9
57.5°	202.3	192.1	186.3	181.3	180.0	178.2	177.6
60°	182.3	174.5	169.6	166.2	165.0	162.9	163.2
62.5°	164.6	158.2	154.0	152.1	150.6	148.7	149.4
65°	139.2	134.5	132.2	130.5	128.8	127.6	128.5
67.5°	116.8	113.6	110.6	109.5	108.7	108.5	107.5
70°	102.2	99.5	96.8	96.1	96.1	95.3	95.0
72.5°	88.0	86.1	84.4	83.8	83.1	83.5	82.6
75°	68.1	66.4	65.8	65.1	64.9	64.9	64.3
77.5°	50.2	49.1	48.1	48.1	47.2	46.9	46.8
80°	38.2	37.7	36.9	36.9	36.4	36.6	36.1
82.5°	28.7	28.1	27.9	27.5	26.9	27.0	26.5
85°	15.4	14.7	14.5	13.9	13.4	13.9	13.4
87.5°	11.0	11.1	11.2	10.9	10.8	10.9	10.5
90°	28.5	30.0	30.9	31.4	31.9	32.3	32.9
92.5°	46.0	46.8	47.4	47.8	48.1	48.4	48.6
95°	85.4	86.1	86.5	86.5	86.5	86.5	86.5
97.5°	134.2	135.2	135.5	135.5	135.5	135.5	135.5
100°	169.0	169.5	169.8	169.8	169.8	169.8	169.8
102.5°	206.4	207.1	207.5	207.7	207.9	208.1	208.3
105°	262.8	263.5	264.3	265.0	265.7	266.5	267.2
107.5°	323.8	324.4	324.8	324.7	324.7	324.6	324.6
110°	363.2	362.7	362.8	363.5	364.3	365.0	365.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	407.3	407.2	407.2	407.4	407.5	407.6	407.8
115°	474.5	474.3	474.0	473.8	473.5	473.3	473.1
117.5°	538.7	537.8	537.2	536.7	536.2	535.7	535.3
120°	582.2	581.0	580.6	581.1	581.5	582.1	582.6
122.5°	627.2	626.3	625.5	624.6	623.8	622.8	622.0
125°	692.8	692.3	691.8	691.4	690.9	690.3	689.8
127.5°	755.3	754.7	754.3	753.9	753.5	753.1	752.7
130°	799.0	798.5	797.8	796.8	795.9	794.8	793.9
132.5°	840.2	839.7	839.2	838.9	838.5	838.1	837.7
135°	901.9	901.4	900.9	900.1	899.4	898.6	898.0
137.5°	961.5	960.9	960.6	960.8	960.9	961.1	961.2
140°	1001.3	1001.0	1000.8	1000.5	1000.2	1000.0	999.8
142.5°	1038.6	1038.6	1038.5	1038.5	1038.4	1038.4	1038.3
145°	1094.3	1094.1	1093.5	1092.9	1092.1	1091.4	1090.7
147.5°	1145.1	1144.8	1144.6	1144.4	1144.2	1143.9	1143.7
150°	1177.1	1177.1	1177.0	1176.8	1176.6	1176.3	1176.1
152.5°	1207.9	1208.4	1208.4	1207.8	1207.1	1206.5	1205.9
155°	1250.2	1251.1	1251.1	1250.2	1249.2	1248.2	1247.3
157.5°	1286.9	1287.6	1287.6	1286.8	1285.9	1285.1	1284.3
160°	1309.7	1310.4	1310.1	1308.9	1307.7	1306.6	1305.3
162.5°	1330.7	1332.0	1332.1	1330.9	1329.6	1328.4	1327.2
165°	1357.8	1359.3	1359.5	1358.6	1357.6	1356.6	1355.7
167.5°	1380.6	1382.1	1382.1	1380.5	1379.0	1377.5	1376.0
170°	1392.9	1394.4	1394.2	1392.5	1390.8	1389.1	1387.4
172.5°	1402.2	1403.9	1403.9	1402.1	1400.4	1398.7	1397.0
175°	1412.2	1413.9	1413.9	1412.2	1410.5	1408.8	1407.1
177.5°	1417.4	1418.7	1418.6	1417.0	1415.5	1413.9	1412.4
180°	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9

(END OF REPORT)