

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: P331846

Luminaire Tested: **S122RDIW-S1005D435U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331846
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122RDIW-S1005D435U835-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1005 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 435 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5314.8 lumens
Efficiency: N/A
Efficacy: 101.4 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Direct

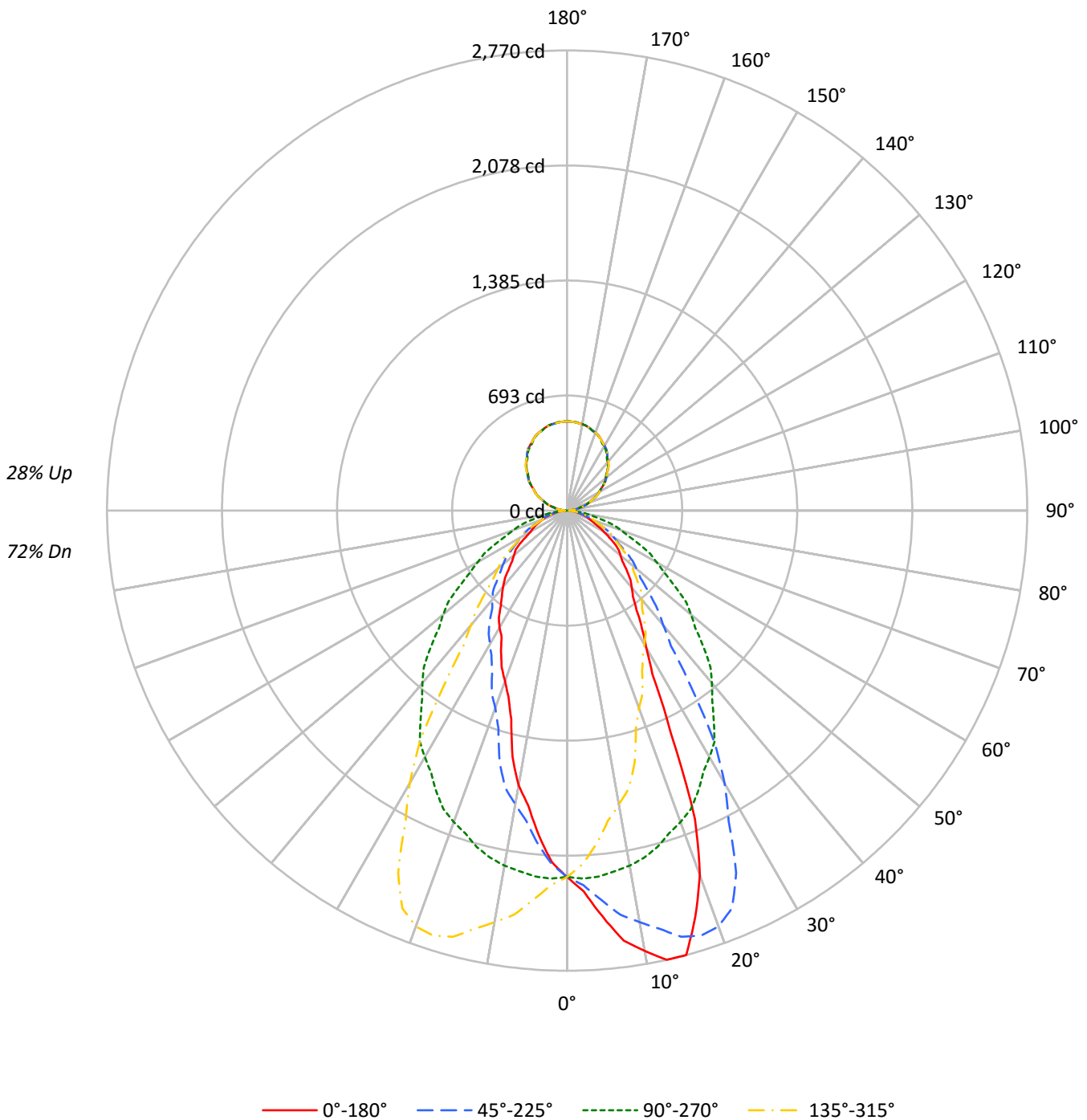
Input Watts (W): 52.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	50	30	10	0		
RCR																										
0	112	112	112	112	106	106	106	106	95	95	95	85	85	85	76	76	76	76	76	76	76	76	76	72		
1	104	100	96	93	98	95	92	89	85	83	81	77	75	73	69	68	66	66	66	66	66	66	66	63		
2	95	88	83	78	90	84	79	75	76	72	69	69	66	63	62	60	58	58	58	58	58	58	58	54		
3	88	79	72	66	83	75	69	64	68	63	59	62	58	55	56	53	51	51	51	51	51	51	51	48		
4	81	71	63	58	77	68	61	56	62	56	52	56	52	48	51	48	45	45	45	45	45	45	45	42		
5	75	64	56	50	71	61	54	49	56	50	46	51	47	43	47	43	40	40	40	40	40	40	40	37		
6	70	58	50	45	66	56	49	43	51	45	41	47	42	38	43	39	36	36	36	36	36	36	36	34		
7	65	53	45	40	62	51	44	39	47	41	37	43	38	35	40	36	33	33	33	33	33	33	33	30		
8	61	49	41	36	58	47	40	35	43	37	33	40	35	31	37	33	30	30	30	30	30	30	30	28		
9	57	45	38	33	54	43	37	32	40	34	30	37	32	29	34	30	27	27	27	27	27	27	27	25		
10	54	42	35	30	51	40	34	29	37	32	28	35	30	26	32	28	25	25	25	25	25	25	25	23		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	35608	35608	35608	35608
5°	39768	35832	31770	35832
10°	44124	35580	27539	35580
15°	46292	35059	21698	35059
20°	40132	34287	18777	34287
25°	26320	33228	16764	33228
30°	17715	31946	15172	31946
35°	14349	30328	13685	30328
40°	12760	28572	12663	28572
45°	11549	26510	11303	26510
50°	10510	24465	10472	24465
55°	9880	22196	9751	22196
60°	8263	20118	8167	20118
65°	6968	18269	7904	18269
70°	6439	16315	7454	16315
75°	6026	14198	6881	14198
80°	5560	11688	6127	11688
85°	5113	9226	5391	9226



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.1	3.9
10°-20°	582.5	11.0
20°-30°	750.7	14.1
30°-40°	713.4	13.4
40°-50°	611.1	11.5
50°-60°	465.4	8.8
60°-70°	294.2	5.5
70°-80°	146.9	2.8
80°-90°	40.4	0.8
90°-100°	34.0	0.6
100°-110°	105.7	2.0
110°-120°	180.6	3.4
120°-130°	237.5	4.5
130°-140°	266.6	5.0
140°-150°	261.4	4.9
150°-160°	219.2	4.1
160°-170°	145.4	2.7
170°-180°	50.8	1.0
0°-30°	1542.3	29.0
0°-40°	2255.7	42.4
0°-60°	3332.1	62.7
0°-90°	3813.6	71.8
90°-120°	320.3	6.0
90°-150°	1085.7	20.4
90°-180°	1501.0	28.2
0°-180°	5314.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2205	2205	2205	2205	2205	
5°	2454	2211	1960	2211	2454	242
15°	2769	2097	1298	2097	2769	747
25°	1477	1865	941	1865	1477	701
35°	728	1539	694	1539	728	466
45°	506	1161	495	1161	506	391
55°	351	788	346	788	351	308
65°	182	478	207	478	182	186
75°	97	228	110	228	97	102
85°	28	50	29	50	28	30
90°	15	0	15	0	15	8
95°	28	24	28	24	28	31
105°	101	97	101	97	101	106
115°	181	181	181	181	181	179
125°	265	264	265	264	265	236
135°	345	341	345	341	345	266
145°	419	414	419	414	419	261
155°	477	473	477	473	477	220
165°	516	515	516	515	516	145
175°	534	536	534	536	534	51
180°	537	537	537	537	537	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4
2.5°	2294.9	2296.8	2298.6	2294.3	2294.3	2290.6	2282.7	2276.5	2259.4	2256.9	2256.9
5°	2453.7	2452.2	2455.2	2445.3	2431.5	2428.4	2413.9	2394.7	2374.8	2352.6	2348.0
7.5°	2611.6	2609.3	2603.1	2601.5	2590.9	2567.7	2544.3	2519.3	2486.2	2453.9	2437.6
10°	2691.3	2716.6	2701.2	2674.4	2679.8	2643.8	2624.6	2591.7	2564.1	2515.8	2505.1
12.5°	2769.7	2779.7	2774.8	2759.6	2752.7	2727.7	2701.8	2673.2	2622.3	2578.9	2541.2
15°	2769.4	2784.0	2787.8	2783.2	2787.1	2785.5	2771.7	2748.0	2703.5	2656.0	2614.6
17.5°	2565.0	2575.1	2600.2	2617.2	2638.7	2684.1	2706.4	2715.2	2708.6	2681.5	2652.3
20°	2335.7	2318.8	2389.3	2425.4	2456.0	2532.6	2598.5	2623.8	2664.4	2663.7	2656.0
22.5°	2010.8	2014.8	2081.6	2124.4	2213.9	2290.5	2365.6	2460.8	2539.4	2591.3	2621.7
25°	1477.4	1506.6	1573.2	1631.5	1731.1	1873.6	2003.1	2153.3	2295.1	2407.0	2513.5
27.5°	1109.6	1111.8	1164.6	1218.4	1277.6	1394.4	1557.4	1736.8	1938.9	2105.7	2297.5
30°	950.2	945.6	967.8	1000.8	1051.4	1141.8	1264.4	1440.7	1642.2	1893.5	2117.3
32.5°	837.4	837.7	854.4	878.8	920.8	981.8	1065.8	1208.9	1399.4	1646.5	1908.9
35°	728.0	727.2	739.5	757.1	774.7	813.8	871.3	946.4	1077.4	1308.1	1576.3
37.5°	649.5	652.9	658.9	669.9	689.4	711.1	745.6	796.0	889.4	1025.8	1251.2
40°	605.4	606.9	615.3	624.5	636.0	652.9	681.2	721.9	790.1	898.9	1063.6
42.5°	564.9	566.5	572.4	581.0	590.1	606.9	630.4	665.5	720.8	805.7	941.6
45°	505.8	505.8	511.1	515.0	524.9	540.2	559.4	588.5	626.8	689.7	780.1
47.5°	450.3	450.4	454.0	460.6	466.8	478.8	497.6	521.4	549.3	597.9	675.1
50°	418.4	419.2	421.5	426.8	430.7	441.4	456.0	476.6	505.8	543.3	607.7
52.5°	392.7	392.2	395.1	397.4	400.0	407.7	418.6	436.8	462.8	495.5	548.8
55°	351.0	347.9	352.5	356.3	358.6	361.7	367.8	379.3	401.5	429.1	469.0
57.5°	298.9	297.6	300.9	304.4	311.6	319.9	325.1	332.4	343.9	363.7	403.2
60°	255.9	255.9	262.8	265.1	273.6	284.3	295.0	301.2	312.7	325.7	354.8
62.5°	217.9	218.6	221.8	224.1	228.8	242.0	257.0	270.5	281.4	293.8	313.1
65°	182.4	183.9	183.9	185.4	188.5	191.6	197.7	208.4	227.6	245.2	259.8
67.5°	154.8	155.3	155.7	157.2	158.0	161.4	163.8	168.6	173.0	189.7	207.8
70°	136.4	138.7	137.9	139.5	140.2	141.8	144.8	147.1	154.0	157.9	168.6
72.5°	119.2	120.9	120.8	121.7	123.7	124.0	126.4	128.7	133.2	136.4	142.2
75°	96.6	95.8	96.6	98.1	98.9	99.6	99.6	102.7	105.0	108.0	111.9
77.5°	74.5	75.3	75.1	75.3	75.4	76.8	76.6	78.0	80.3	81.8	83.7
80°	59.8	60.5	59.8	60.5	61.3	62.1	61.3	62.1	64.4	65.9	65.9
82.5°	46.3	46.4	46.9	47.1	47.2	47.4	48.4	48.6	50.3	50.0	50.6
85°	27.6	26.8	26.8	26.8	27.6	28.4	27.6	27.6	28.4	28.4	28.4
87.5°	12.9	13.5	13.5	13.4	13.4	13.4	13.5	14.1	13.6	14.2	13.2
90°	15.4	15.3	15.2	15.1	15.0	15.1	15.3	15.5	15.7	15.9	13.6
92.5°	14.7	14.7	14.6	14.6	14.6	14.6	14.5	14.5	14.4	14.4	13.9
95°	28.1	28.3	28.5	28.7	28.9	29.0	29.0	29.0	29.0	29.0	28.8
97.5°	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.4
100°	62.1	62.2	62.3	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.2
102.5°	77.3	77.4	77.5	77.6	77.7	77.7	77.6	77.5	77.5	77.4	77.0
105°	100.6	100.6	100.6	100.6	100.6	100.5	100.3	100.1	99.9	99.7	99.5
107.5°	122.5	123.0	123.4	123.9	124.4	124.6	124.5	124.4	124.3	124.2	124.2
110°	139.5	139.8	140.1	140.4	140.7	140.9	140.9	140.9	140.9	140.9	140.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	155.9	156.1	156.3	156.5	156.7	157.0	157.2	157.5	157.7	157.9	158.0
115°	181.2	181.5	181.8	182.1	182.4	182.6	182.7	182.8	182.9	183.0	183.2
117.5°	205.4	205.7	206.0	206.3	206.6	206.9	207.1	207.4	207.6	207.9	208.4
120°	222.5	222.8	223.1	223.4	223.7	223.8	223.8	223.8	223.8	223.8	224.6
122.5°	239.1	239.3	239.6	239.8	240.0	240.2	240.5	240.7	241.0	241.2	241.8
125°	264.6	264.7	264.8	264.9	265.0	265.2	265.5	265.8	266.1	266.4	266.7
127.5°	287.8	288.1	288.4	288.7	289.1	289.4	289.8	290.1	290.5	290.9	291.2
130°	304.5	304.9	305.3	305.7	306.1	306.4	306.6	306.8	307.0	307.2	307.4
132.5°	320.4	320.7	321.0	321.4	321.7	322.1	322.5	323.0	323.4	323.8	323.8
135°	345.2	345.5	345.8	346.1	346.4	346.6	346.7	346.8	346.9	347.0	346.8
137.5°	367.7	368.1	368.5	368.9	369.3	369.6	369.6	369.7	369.8	369.9	369.6
140°	383.3	383.7	384.1	384.5	384.9	385.1	385.1	385.1	385.1	385.1	384.6
142.5°	397.4	397.8	398.2	398.6	399.0	399.2	399.1	399.0	399.0	398.9	398.5
145°	418.6	419.0	419.4	419.8	420.2	420.4	420.3	420.2	420.1	420.0	419.4
147.5°	437.6	437.9	438.3	438.7	439.1	439.2	439.0	438.7	438.5	438.3	437.9
150°	449.9	450.2	450.5	450.8	451.1	451.1	450.8	450.5	450.2	449.9	449.5
152.5°	461.5	461.9	462.2	462.6	463.0	463.0	462.6	462.2	461.9	461.5	461.0
155°	477.1	477.4	477.7	478.0	478.3	478.2	477.7	477.2	476.7	476.2	475.9
157.5°	490.5	491.0	491.4	491.9	492.4	492.3	491.6	490.9	490.3	489.6	489.4
160°	498.8	499.2	499.6	500.0	500.4	500.3	499.7	499.1	498.5	497.9	497.8
162.5°	506.1	506.5	507.0	507.5	508.0	507.9	507.2	506.5	505.8	505.2	505.1
165°	515.6	516.1	516.6	517.1	517.6	517.5	516.8	516.1	515.4	514.7	514.7
167.5°	523.4	523.9	524.4	524.9	525.5	525.4	524.7	524.0	523.3	522.6	522.6
170°	527.4	528.0	528.6	529.2	529.8	529.7	529.0	528.3	527.6	526.9	527.0
172.5°	530.6	531.2	531.8	532.4	533.0	533.0	532.3	531.6	530.9	530.2	530.3
175°	534.2	534.8	535.4	536.0	536.6	536.5	535.8	535.1	534.4	533.7	533.9
177.5°	535.8	536.3	536.8	537.2	537.7	537.7	537.2	536.8	536.3	535.8	535.9
180°	536.9	536.9	536.9	536.9	536.9	536.9	536.9	536.9	536.9	536.9	536.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4
2.5°	2258.2	2253.2	2249.0	2237.9	2232.4	2220.1	2218.3	2217.7	2201.8	2186.4	2182.1
5°	2335.7	2323.4	2305.1	2283.6	2261.4	2238.4	2223.1	2210.8	2180.1	2151.0	2134.2
7.5°	2413.9	2387.5	2355.8	2315.2	2281.3	2243.3	2215.1	2189.8	2146.3	2104.6	2076.5
10°	2472.1	2429.2	2387.0	2331.1	2287.4	2244.5	2204.7	2170.2	2121.1	2066.0	2026.9
12.5°	2508.3	2461.1	2403.0	2348.3	2291.7	2237.2	2183.8	2139.5	2081.9	2024.9	1978.5
15°	2557.2	2506.6	2436.1	2357.9	2285.1	2213.9	2152.6	2097.4	2022.3	1954.1	1897.4
17.5°	2597.2	2527.6	2451.9	2361.5	2277.2	2186.6	2107.7	2037.2	1953.6	1871.3	1804.5
20°	2610.0	2541.1	2453.7	2363.3	2263.7	2157.2	2072.1	1995.5	1905.8	1816.1	1739.5
22.5°	2602.1	2548.4	2451.3	2343.1	2241.0	2129.6	2033.5	1944.6	1845.1	1753.6	1664.7
25°	2548.0	2529.6	2437.6	2319.6	2203.1	2073.6	1962.5	1865.2	1751.8	1653.7	1557.1
27.5°	2421.8	2461.5	2404.5	2278.8	2149.3	2010.5	1885.6	1774.8	1657.1	1546.7	1450.5
30°	2300.5	2391.6	2367.1	2250.6	2105.8	1969.4	1829.2	1713.5	1587.8	1474.4	1379.4
32.5°	2134.3	2285.0	2308.9	2211.4	2061.7	1911.8	1764.8	1649.7	1518.5	1399.0	1306.4
35°	1869.8	2095.1	2198.5	2136.5	1986.3	1824.6	1672.8	1538.7	1406.9	1288.9	1197.0
37.5°	1554.2	1861.1	2033.5	2037.9	1900.0	1731.9	1566.6	1433.5	1298.6	1182.7	1083.3
40°	1349.5	1682.0	1906.6	1956.4	1839.9	1658.3	1491.2	1355.6	1223.8	1110.4	996.2
42.5°	1165.6	1496.9	1772.9	1859.5	1767.0	1586.6	1418.9	1277.1	1149.0	1041.7	925.1
45°	942.6	1232.2	1536.4	1691.2	1639.9	1472.8	1295.8	1161.0	1040.6	947.9	836.0
47.5°	795.1	999.3	1293.7	1503.0	1502.1	1349.6	1175.5	1046.3	934.7	847.8	757.3
50°	711.1	888.9	1138.0	1375.5	1395.4	1267.5	1101.9	974.0	869.8	778.6	705.8
52.5°	635.7	782.2	1006.2	1233.9	1290.6	1179.8	1019.2	901.0	799.9	716.0	653.7
55°	537.2	650.6	820.7	1033.7	1119.6	1041.4	898.9	788.5	706.5	636.0	582.4
57.5°	454.4	539.5	676.0	847.5	947.5	898.3	780.7	691.1	620.9	557.1	514.8
60°	402.3	472.0	587.8	731.1	841.4	806.9	706.5	623.0	563.2	508.1	468.2
62.5°	353.3	413.2	512.4	628.7	729.8	715.6	633.6	563.5	511.1	460.9	427.1
65°	284.3	328.0	405.4	496.6	577.8	584.7	525.7	478.2	431.4	391.6	361.7
67.5°	226.4	254.9	309.4	386.2	447.1	468.8	432.8	396.5	359.4	328.6	302.7
70°	190.8	213.8	253.6	315.7	371.7	394.6	374.0	345.6	313.4	288.1	265.9
72.5°	154.6	177.0	206.4	252.0	299.9	324.8	317.6	297.2	271.1	250.1	229.1
75°	116.5	123.4	143.3	174.0	211.5	233.0	238.3	227.6	206.9	190.8	178.5
77.5°	86.1	90.3	99.8	115.9	140.4	159.5	167.4	166.1	151.9	142.5	131.0
80°	69.0	71.3	75.9	82.8	101.2	120.3	125.7	125.7	115.7	111.9	100.4
82.5°	52.4	54.1	56.9	60.7	69.3	86.0	92.0	93.2	86.9	81.8	72.8
85°	29.9	29.1	30.7	33.0	34.5	39.1	48.3	49.8	48.3	42.1	39.8
87.5°	12.7	12.9	12.4	11.5	11.9	12.2	15.0	17.9	15.7	14.1	13.1
90°	11.4	9.2	7.0	5.3	4.1	2.9	1.7	0.5	1.7	2.9	4.1
92.5°	13.4	12.8	12.3	11.6	10.7	9.8	9.0	8.1	9.0	9.8	10.7
95°	28.6	28.4	28.2	27.6	26.6	25.6	24.6	23.6	24.6	25.6	26.6
97.5°	48.0	47.6	47.2	46.6	45.7	44.8	43.9	43.0	43.9	44.8	45.7
100°	61.9	61.6	61.3	60.8	60.0	59.1	58.3	57.5	58.3	59.1	60.0
102.5°	76.6	76.2	75.9	75.3	74.7	74.0	73.4	72.8	73.4	74.0	74.7
105°	99.3	99.1	98.9	98.6	98.3	98.0	97.7	97.4	97.7	98.0	98.3
107.5°	124.2	124.2	124.2	124.0	123.6	123.1	122.7	122.2	122.7	123.1	123.6
110°	140.9	140.9	140.9	140.6	140.0	139.4	138.8	138.2	138.8	139.4	140.0



TEST NUMBER: P331846

CATALOG NUMBER: S122RDIW-S1005D435U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	158.1	158.2	158.3	158.0	157.4	156.8	156.2	155.6	156.2	156.8	157.4
115°	183.4	183.6	183.8	183.6	183.0	182.4	181.8	181.2	181.8	182.4	183.0
117.5°	209.0	209.6	210.1	210.0	209.2	208.4	207.6	206.8	207.6	208.4	209.2
120°	225.4	226.2	227.0	227.0	226.2	225.4	224.6	223.8	224.6	225.4	226.2
122.5°	242.3	242.9	243.5	243.3	242.3	241.3	240.4	239.4	240.4	241.3	242.3
125°	267.0	267.3	267.6	267.3	266.4	265.5	264.6	263.7	264.6	265.5	266.4
127.5°	291.6	292.0	292.3	291.9	290.8	289.6	288.5	287.3	288.5	289.6	290.8
130°	307.6	307.8	308.0	307.4	306.1	304.8	303.5	302.2	303.5	304.8	306.1
132.5°	323.8	323.7	323.7	323.1	322.1	321.0	319.9	318.9	319.9	321.0	322.1
135°	346.6	346.4	346.2	345.6	344.5	343.4	342.3	341.2	342.3	343.4	344.5
137.5°	369.4	369.1	368.8	368.2	367.3	366.4	365.5	364.6	365.5	366.4	367.3
140°	384.1	383.6	383.1	382.4	381.5	380.6	379.7	378.8	379.7	380.6	381.5
142.5°	398.2	397.8	397.5	396.9	396.0	395.1	394.2	393.3	394.2	395.1	396.0
145°	418.8	418.2	417.6	416.9	416.2	415.5	414.8	414.1	414.8	415.5	416.2
147.5°	437.5	437.1	436.7	436.1	435.2	434.4	433.5	432.7	433.5	434.4	435.2
150°	449.1	448.7	448.3	447.8	447.2	446.6	446.0	445.4	446.0	446.6	447.2
152.5°	460.5	460.0	459.6	459.0	458.4	457.8	457.2	456.6	457.2	457.8	458.4
155°	475.6	475.3	475.0	474.7	474.4	474.0	473.7	473.4	473.7	474.0	474.4
157.5°	489.2	489.0	488.8	488.7	488.5	488.3	488.1	487.9	488.1	488.3	488.5
160°	497.7	497.6	497.5	497.4	497.2	497.0	496.8	496.6	496.8	497.0	497.2
162.5°	505.0	504.9	504.8	504.7	504.6	504.6	504.6	504.5	504.6	504.6	504.6
165°	514.7	514.7	514.7	514.7	514.8	514.9	515.0	515.1	515.0	514.9	514.8
167.5°	522.6	522.6	522.6	522.8	523.1	523.4	523.7	524.0	523.7	523.4	523.1
170°	527.1	527.2	527.3	527.5	527.8	528.1	528.4	528.7	528.4	528.1	527.8
172.5°	530.4	530.5	530.6	530.8	531.1	531.4	531.7	532.0	531.7	531.4	531.1
175°	534.1	534.3	534.5	534.8	535.1	535.4	535.7	536.0	535.7	535.4	535.1
177.5°	536.1	536.3	536.4	536.6	536.9	537.1	537.4	537.6	537.4	537.1	536.9
180°	536.9	536.9	536.9	536.9	536.9	536.9	536.9	536.9	536.9	536.9	536.9



TEST NUMBER: P331846

CATALOG NUMBER: S122RDIW-S1005D435U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4
2.5°	2174.2	2169.9	2161.9	2149.6	2142.3	2129.4	2120.8	2125.7	2127.0	2125.7	2124.5
5°	2115.8	2099.7	2077.5	2056.0	2036.1	2014.6	2002.4	1997.0	1986.3	1980.1	1977.1
7.5°	2045.1	2017.4	1986.0	1948.6	1916.8	1883.6	1866.6	1858.1	1836.2	1824.3	1813.8
10°	1992.4	1948.7	1917.3	1868.3	1838.4	1794.7	1764.8	1765.6	1735.7	1718.8	1706.6
12.5°	1934.2	1886.2	1833.9	1789.8	1748.3	1713.2	1677.1	1662.6	1630.9	1614.6	1581.5
15°	1837.6	1781.7	1726.5	1666.7	1624.6	1570.2	1518.1	1454.5	1403.1	1358.7	1346.4
17.5°	1732.2	1662.9	1607.6	1537.4	1465.2	1373.7	1313.3	1276.4	1245.4	1222.0	1204.5
20°	1659.8	1589.3	1530.3	1424.6	1327.2	1265.2	1220.7	1192.4	1160.2	1134.9	1121.1
22.5°	1583.8	1510.2	1429.8	1311.8	1235.9	1186.1	1146.5	1113.9	1092.1	1072.4	1059.8
25°	1475.9	1395.4	1262.9	1181.6	1120.3	1068.2	1040.6	1020.7	997.7	970.9	958.7
27.5°	1361.9	1233.9	1138.7	1078.3	1019.8	985.9	961.1	931.4	910.8	898.7	886.0
30°	1276.7	1148.7	1074.4	1008.5	967.1	929.5	900.4	883.6	863.6	842.9	834.5
32.5°	1181.6	1079.4	1008.2	953.3	911.3	879.3	856.3	829.0	814.6	801.9	784.2
35°	1063.6	986.2	921.1	876.7	836.8	810.8	783.9	767.8	741.8	731.1	724.2
37.5°	963.7	896.6	848.0	801.1	769.5	740.7	724.3	698.7	687.4	672.5	658.0
40°	907.3	841.4	794.7	756.3	721.1	699.6	678.9	658.3	641.4	634.5	616.9
42.5°	849.7	796.0	749.3	707.3	683.7	661.0	634.8	619.6	602.2	591.0	580.1
45°	770.1	722.6	682.8	648.3	622.2	598.5	581.6	556.3	546.4	524.2	515.0
47.5°	700.3	656.1	618.1	585.3	559.9	544.4	519.7	499.9	484.0	470.4	458.6
50°	650.6	613.8	577.0	547.9	524.9	502.7	477.4	467.4	442.9	436.0	429.1
52.5°	605.2	570.3	536.6	508.1	485.1	463.5	441.2	428.2	411.7	404.8	399.7
55°	541.8	508.1	475.9	450.6	427.6	405.4	391.6	375.5	367.8	362.5	356.3
57.5°	478.0	447.7	423.0	397.4	374.3	356.6	340.7	331.0	323.1	316.0	308.7
60°	437.6	408.4	386.2	362.5	338.7	324.1	311.9	300.4	291.2	280.5	277.4
62.5°	394.6	369.2	348.8	325.7	305.0	291.7	280.0	269.1	258.1	242.5	238.2
65°	335.6	315.7	294.3	275.1	256.7	243.7	226.8	214.6	210.0	208.4	207.7
67.5°	282.3	263.5	245.1	225.4	208.7	196.6	188.1	186.2	183.0	182.1	179.9
70°	246.8	229.1	210.7	192.3	176.3	174.0	170.9	167.8	164.0	162.5	160.9
72.5°	214.9	196.6	178.2	163.5	156.6	153.7	150.7	147.6	145.0	143.5	142.5
75°	164.8	147.9	135.6	130.3	126.4	124.1	119.5	117.2	115.7	113.4	112.6
77.5°	118.6	109.1	103.5	100.1	96.1	93.6	91.0	88.7	87.1	86.6	85.4
80°	90.4	85.8	82.0	77.4	75.9	72.8	72.0	69.7	70.5	68.2	68.2
82.5°	70.2	64.4	61.2	59.0	57.5	55.0	54.3	53.2	53.3	51.6	51.6
85°	36.0	34.5	33.0	31.4	31.4	29.1	29.9	29.1	29.1	27.6	26.8
87.5°	12.7	12.4	11.7	12.1	12.5	12.4	12.3	11.7	11.6	11.6	11.0
90°	5.3	7.0	9.2	11.4	13.6	15.9	15.7	15.5	15.3	15.1	15.0
92.5°	11.6	12.3	12.8	13.4	13.9	14.4	14.4	14.5	14.5	14.6	14.6
95°	27.6	28.2	28.4	28.6	28.8	29.0	29.0	29.0	29.0	29.0	28.9
97.5°	46.6	47.2	47.6	48.0	48.4	48.7	48.7	48.7	48.7	48.7	48.7
100°	60.8	61.3	61.6	61.9	62.2	62.5	62.5	62.5	62.5	62.5	62.5
102.5°	75.3	75.9	76.2	76.6	77.0	77.4	77.5	77.5	77.6	77.7	77.7
105°	98.6	98.9	99.1	99.3	99.5	99.7	99.9	100.1	100.3	100.5	100.6
107.5°	124.0	124.2	124.2	124.2	124.2	124.2	124.3	124.4	124.5	124.6	124.4
110°	140.6	140.9	140.9	140.9	140.9	140.9	140.9	140.9	140.9	140.9	140.7



TEST NUMBER: P331846

CATALOG NUMBER: S122RDIW-S1005D435U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	158.0	158.3	158.2	158.1	158.0	157.9	157.7	157.5	157.2	157.0	156.7
115°	183.6	183.8	183.6	183.4	183.2	183.0	182.9	182.8	182.7	182.6	182.4
117.5°	210.0	210.1	209.6	209.0	208.4	207.9	207.6	207.4	207.1	206.9	206.6
120°	227.0	227.0	226.2	225.4	224.6	223.8	223.8	223.8	223.8	223.8	223.7
122.5°	243.3	243.5	242.9	242.3	241.8	241.2	241.0	240.7	240.5	240.2	240.0
125°	267.3	267.6	267.3	267.0	266.7	266.4	266.1	265.8	265.5	265.2	265.0
127.5°	291.9	292.3	292.0	291.6	291.2	290.9	290.5	290.1	289.8	289.4	289.1
130°	307.4	308.0	307.8	307.6	307.4	307.2	307.0	306.8	306.6	306.4	306.1
132.5°	323.1	323.7	323.7	323.8	323.8	323.8	323.4	323.0	322.5	322.1	321.7
135°	345.6	346.2	346.4	346.6	346.8	347.0	346.9	346.8	346.7	346.6	346.4
137.5°	368.2	368.8	369.1	369.4	369.6	369.9	369.8	369.7	369.6	369.6	369.3
140°	382.4	383.1	383.6	384.1	384.6	385.1	385.1	385.1	385.1	385.1	384.9
142.5°	396.9	397.5	397.8	398.2	398.5	398.9	399.0	399.0	399.1	399.2	399.0
145°	416.9	417.6	418.2	418.8	419.4	420.0	420.1	420.2	420.3	420.4	420.2
147.5°	436.1	436.7	437.1	437.5	437.9	438.3	438.5	438.7	439.0	439.2	439.1
150°	447.8	448.3	448.7	449.1	449.5	449.9	450.2	450.5	450.8	451.1	451.1
152.5°	459.0	459.6	460.0	460.5	461.0	461.5	461.9	462.2	462.6	463.0	463.0
155°	474.7	475.0	475.3	475.6	475.9	476.2	476.7	477.2	477.7	478.2	478.3
157.5°	488.7	488.8	489.0	489.2	489.4	489.6	490.3	490.9	491.6	492.3	492.4
160°	497.4	497.5	497.6	497.7	497.8	497.9	498.5	499.1	499.7	500.3	500.4
162.5°	504.7	504.8	504.9	505.0	505.1	505.2	505.8	506.5	507.2	507.9	508.0
165°	514.7	514.7	514.7	514.7	514.7	514.7	515.4	516.1	516.8	517.5	517.6
167.5°	522.8	522.6	522.6	522.6	522.6	522.6	523.3	524.0	524.7	525.4	525.5
170°	527.5	527.3	527.2	527.1	527.0	526.9	527.6	528.3	529.0	529.7	529.8
172.5°	530.8	530.6	530.5	530.4	530.3	530.2	530.9	531.6	532.3	533.0	533.0
175°	534.8	534.5	534.3	534.1	533.9	533.7	534.4	535.1	535.8	536.5	536.6
177.5°	536.6	536.4	536.3	536.1	535.9	535.8	536.3	536.8	537.2	537.7	537.7
180°	536.9	536.9	536.9	536.9	536.9	536.9	536.9	536.9	536.9	536.9	536.9



TEST NUMBER: P331846

CATALOG NUMBER: S122RDIW-S1005D435U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4
2.5°	2117.8	2119.0	2117.2	2118.4	2117.2	2119.0	2117.8	2124.5	2125.7	2127.0	2125.7
5°	1973.2	1964.0	1962.5	1960.2	1962.5	1964.0	1973.2	1977.1	1980.1	1986.3	1997.0
7.5°	1800.7	1799.3	1795.5	1790.1	1795.5	1799.3	1800.7	1813.8	1824.3	1836.2	1858.1
10°	1689.7	1685.9	1685.1	1679.7	1685.1	1685.9	1689.7	1706.6	1718.8	1735.7	1765.6
12.5°	1559.7	1535.1	1532.5	1519.1	1532.5	1535.1	1559.7	1581.5	1614.6	1630.9	1662.6
15°	1328.0	1323.4	1308.1	1298.1	1308.1	1323.4	1328.0	1346.4	1358.7	1403.1	1454.5
17.5°	1195.6	1180.6	1175.8	1173.7	1175.8	1180.6	1195.6	1204.5	1222.0	1245.4	1276.4
20°	1110.4	1096.6	1094.3	1092.8	1094.3	1096.6	1110.4	1121.1	1134.9	1160.2	1192.4
22.5°	1051.5	1037.1	1031.1	1026.5	1031.1	1037.1	1051.5	1059.8	1072.4	1092.1	1113.9
25°	951.0	945.6	942.6	941.0	942.6	945.6	951.0	958.7	970.9	997.7	1020.7
27.5°	872.4	860.6	858.3	854.3	858.3	860.6	872.4	886.0	898.7	910.8	931.4
30°	827.6	823.8	818.4	813.8	818.4	823.8	827.6	834.5	842.9	863.6	883.6
32.5°	774.9	771.7	766.9	764.8	766.9	771.7	774.9	784.2	801.9	814.6	829.0
35°	716.5	705.8	701.2	694.3	701.2	705.8	716.5	724.2	731.1	741.8	767.8
37.5°	654.7	649.1	642.6	644.9	642.6	649.1	654.7	658.0	672.5	687.4	698.7
40°	606.9	603.1	601.6	600.8	601.6	603.1	606.9	616.9	634.5	641.4	658.3
42.5°	568.9	558.3	554.3	554.2	554.3	558.3	568.9	580.1	591.0	602.2	619.6
45°	511.1	501.2	494.3	495.0	494.3	501.2	511.1	515.0	524.2	546.4	556.3
47.5°	452.0	451.7	447.4	448.7	447.4	451.7	452.0	458.6	470.4	484.0	499.9
50°	423.8	419.2	416.1	416.9	416.1	419.2	423.8	429.1	436.0	442.9	467.4
52.5°	396.8	392.8	390.4	393.6	390.4	392.8	396.8	399.7	404.8	411.7	428.2
55°	352.5	347.9	347.1	346.4	347.1	347.9	352.5	356.3	362.5	367.8	375.5
57.5°	303.0	299.9	295.3	293.3	295.3	299.9	303.0	308.7	316.0	323.1	331.0
60°	267.4	261.3	253.6	252.9	253.6	261.3	267.4	277.4	280.5	291.2	300.4
62.5°	234.9	233.7	232.2	232.0	232.2	233.7	234.9	238.2	242.5	258.1	269.1
65°	206.1	205.4	206.1	206.9	206.1	205.4	206.1	207.7	208.4	210.0	214.6
67.5°	179.6	178.2	176.9	177.5	176.9	178.2	179.6	179.9	182.1	183.0	186.2
70°	159.4	158.6	157.9	157.9	157.9	158.6	159.4	160.9	162.5	164.0	167.8
72.5°	139.8	139.6	138.9	138.2	138.9	139.6	139.8	142.5	143.5	145.0	147.6
75°	111.9	110.3	110.3	110.3	110.3	110.3	111.9	112.6	113.4	115.7	117.2
77.5°	85.2	84.4	83.7	83.1	83.7	84.4	85.2	85.4	86.6	87.1	88.7
80°	67.4	66.7	65.9	65.9	65.9	66.7	67.4	68.2	68.2	70.5	69.7
82.5°	51.5	50.7	50.6	50.0	50.6	50.7	51.5	51.6	51.6	53.3	53.2
85°	27.6	28.4	27.6	29.1	27.6	28.4	27.6	26.8	27.6	29.1	29.1
87.5°	11.0	10.4	11.0	10.4	11.0	10.4	11.0	11.0	11.6	11.6	11.7
90°	15.1	15.2	15.3	15.4	15.3	15.2	15.1	15.0	15.1	15.3	15.5
92.5°	14.6	14.6	14.7	14.7	14.7	14.6	14.6	14.6	14.6	14.5	14.5
95°	28.7	28.5	28.3	28.1	28.3	28.5	28.7	28.9	29.0	29.0	29.0
97.5°	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
100°	62.4	62.3	62.2	62.1	62.2	62.3	62.4	62.5	62.5	62.5	62.5
102.5°	77.6	77.5	77.4	77.3	77.4	77.5	77.6	77.7	77.7	77.6	77.5
105°	100.6	100.6	100.6	100.6	100.6	100.6	100.6	100.6	100.5	100.3	100.1
107.5°	123.9	123.4	123.0	122.5	123.0	123.4	123.9	124.4	124.6	124.5	124.4
110°	140.4	140.1	139.8	139.5	139.8	140.1	140.4	140.7	140.9	140.9	140.9



TEST NUMBER: P331846

CATALOG NUMBER: S122RDIW-S1005D435U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	156.5	156.3	156.1	155.9	156.1	156.3	156.5	156.7	157.0	157.2	157.5
115°	182.1	181.8	181.5	181.2	181.5	181.8	182.1	182.4	182.6	182.7	182.8
117.5°	206.3	206.0	205.7	205.4	205.7	206.0	206.3	206.6	206.9	207.1	207.4
120°	223.4	223.1	222.8	222.5	222.8	223.1	223.4	223.7	223.8	223.8	223.8
122.5°	239.8	239.6	239.3	239.1	239.3	239.6	239.8	240.0	240.2	240.5	240.7
125°	264.9	264.8	264.7	264.6	264.7	264.8	264.9	265.0	265.2	265.5	265.8
127.5°	288.7	288.4	288.1	287.8	288.1	288.4	288.7	289.1	289.4	289.8	290.1
130°	305.7	305.3	304.9	304.5	304.9	305.3	305.7	306.1	306.4	306.6	306.8
132.5°	321.4	321.0	320.7	320.4	320.7	321.0	321.4	321.7	322.1	322.5	323.0
135°	346.1	345.8	345.5	345.2	345.5	345.8	346.1	346.4	346.6	346.7	346.8
137.5°	368.9	368.5	368.1	367.7	368.1	368.5	368.9	369.3	369.6	369.6	369.7
140°	384.5	384.1	383.7	383.3	383.7	384.1	384.5	384.9	385.1	385.1	385.1
142.5°	398.6	398.2	397.8	397.4	397.8	398.2	398.6	399.0	399.2	399.1	399.0
145°	419.8	419.4	419.0	418.6	419.0	419.4	419.8	420.2	420.4	420.3	420.2
147.5°	438.7	438.3	437.9	437.6	437.9	438.3	438.7	439.1	439.2	439.0	438.7
150°	450.8	450.5	450.2	449.9	450.2	450.5	450.8	451.1	451.1	450.8	450.5
152.5°	462.6	462.2	461.9	461.5	461.9	462.2	462.6	463.0	463.0	462.6	462.2
155°	478.0	477.7	477.4	477.1	477.4	477.7	478.0	478.3	478.2	477.7	477.2
157.5°	491.9	491.4	491.0	490.5	491.0	491.4	491.9	492.4	492.3	491.6	490.9
160°	500.0	499.6	499.2	498.8	499.2	499.6	500.0	500.4	500.3	499.7	499.1
162.5°	507.5	507.0	506.5	506.1	506.5	507.0	507.5	508.0	507.9	507.2	506.5
165°	517.1	516.6	516.1	515.6	516.1	516.6	517.1	517.6	517.5	516.8	516.1
167.5°	524.9	524.4	523.9	523.4	523.9	524.4	524.9	525.5	525.4	524.7	524.0
170°	529.2	528.6	528.0	527.4	528.0	528.6	529.2	529.8	529.7	529.0	528.3
172.5°	532.4	531.8	531.2	530.6	531.2	531.8	532.4	533.0	533.0	532.3	531.6
175°	536.0	535.4	534.8	534.2	534.8	535.4	536.0	536.6	536.5	535.8	535.1
177.5°	537.2	536.8	536.3	535.8	536.3	536.8	537.2	537.7	537.7	537.2	536.8
180°	536.9	536.9	536.9	536.9	536.9	536.9	536.9	536.9	536.9	536.9	536.9



TEST NUMBER: P331846

CATALOG NUMBER: S122RDIW-S1005D435U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4
2.5°	2120.8	2129.4	2142.3	2149.6	2161.9	2169.9	2174.2	2182.1	2186.4	2201.8	2217.7
5°	2002.4	2014.6	2036.1	2056.0	2077.5	2099.7	2115.8	2134.2	2151.0	2180.1	2210.8
7.5°	1866.6	1883.6	1916.8	1948.6	1986.0	2017.4	2045.1	2076.5	2104.6	2146.3	2189.8
10°	1764.8	1794.7	1838.4	1868.3	1917.3	1948.7	1992.4	2026.9	2066.0	2121.1	2170.2
12.5°	1677.1	1713.2	1748.3	1789.8	1833.9	1886.2	1934.2	1978.5	2024.9	2081.9	2139.5
15°	1518.1	1570.2	1624.6	1666.7	1726.5	1781.7	1837.6	1897.4	1954.1	2022.3	2097.4
17.5°	1313.3	1373.7	1465.2	1537.4	1607.6	1662.9	1732.2	1804.5	1871.3	1953.6	2037.2
20°	1220.7	1265.2	1327.2	1424.6	1530.3	1589.3	1659.8	1739.5	1816.1	1905.8	1995.5
22.5°	1146.5	1186.1	1235.9	1311.8	1429.8	1510.2	1583.8	1664.7	1753.6	1845.1	1944.6
25°	1040.6	1068.2	1120.3	1181.6	1262.9	1395.4	1475.9	1557.1	1653.7	1751.8	1865.2
27.5°	961.1	985.9	1019.8	1078.3	1138.7	1233.9	1361.9	1450.5	1546.7	1657.1	1774.8
30°	900.4	929.5	967.1	1008.5	1074.4	1148.7	1276.7	1379.4	1474.4	1587.8	1713.5
32.5°	856.3	879.3	911.3	953.3	1008.2	1079.4	1181.6	1306.4	1399.0	1518.5	1649.7
35°	783.9	810.8	836.8	876.7	921.1	986.2	1063.6	1197.0	1288.9	1406.9	1538.7
37.5°	724.3	740.7	769.5	801.1	848.0	896.6	963.7	1083.3	1182.7	1298.6	1433.5
40°	678.9	699.6	721.1	756.3	794.7	841.4	907.3	996.2	1110.4	1223.8	1355.6
42.5°	634.8	661.0	683.7	707.3	749.3	796.0	849.7	925.1	1041.7	1149.0	1277.1
45°	581.6	598.5	622.2	648.3	682.8	722.6	770.1	836.0	947.9	1040.6	1161.0
47.5°	519.7	544.4	559.9	585.3	618.1	656.1	700.3	757.3	847.8	934.7	1046.3
50°	477.4	502.7	524.9	547.9	577.0	613.8	650.6	705.8	778.6	869.8	974.0
52.5°	441.2	463.5	485.1	508.1	536.6	570.3	605.2	653.7	716.0	799.9	901.0
55°	391.6	405.4	427.6	450.6	475.9	508.1	541.8	582.4	636.0	706.5	788.5
57.5°	340.7	356.6	374.3	397.4	423.0	447.7	478.0	514.8	557.1	620.9	691.1
60°	311.9	324.1	338.7	362.5	386.2	408.4	437.6	468.2	508.1	563.2	623.0
62.5°	280.0	291.7	305.0	325.7	348.8	369.2	394.6	427.1	460.9	511.1	563.5
65°	226.8	243.7	256.7	275.1	294.3	315.7	335.6	361.7	391.6	431.4	478.2
67.5°	188.1	196.6	208.7	225.4	245.1	263.5	282.3	302.7	328.6	359.4	396.5
70°	170.9	174.0	176.3	192.3	210.7	229.1	246.8	265.9	288.1	313.4	345.6
72.5°	150.7	153.7	156.6	163.5	178.2	196.6	214.9	229.1	250.1	271.1	297.2
75°	119.5	124.1	126.4	130.3	135.6	147.9	164.8	178.5	190.8	206.9	227.6
77.5°	91.0	93.6	96.1	100.1	103.5	109.1	118.6	131.0	142.5	151.9	166.1
80°	72.0	72.8	75.9	77.4	82.0	85.8	90.4	100.4	111.9	115.7	125.7
82.5°	54.3	55.0	57.5	59.0	61.2	64.4	70.2	72.8	81.8	86.9	93.2
85°	29.9	29.1	31.4	31.4	33.0	34.5	36.0	39.8	42.1	48.3	49.8
87.5°	12.3	12.4	12.5	12.1	11.7	12.4	12.7	13.1	14.1	15.7	17.9
90°	15.7	15.9	13.6	11.4	9.2	7.0	5.3	4.1	2.9	1.7	0.5
92.5°	14.4	14.4	13.9	13.4	12.8	12.3	11.6	10.7	9.8	9.0	8.1
95°	29.0	29.0	28.8	28.6	28.4	28.2	27.6	26.6	25.6	24.6	23.6
97.5°	48.7	48.7	48.4	48.0	47.6	47.2	46.6	45.7	44.8	43.9	43.0
100°	62.5	62.5	62.2	61.9	61.6	61.3	60.8	60.0	59.1	58.3	57.5
102.5°	77.5	77.4	77.0	76.6	76.2	75.9	75.3	74.7	74.0	73.4	72.8
105°	99.9	99.7	99.5	99.3	99.1	98.9	98.6	98.3	98.0	97.7	97.4
107.5°	124.3	124.2	124.2	124.2	124.2	124.2	124.0	123.6	123.1	122.7	122.2
110°	140.9	140.9	140.9	140.9	140.9	140.9	140.6	140.0	139.4	138.8	138.2



TEST NUMBER: P331846

CATALOG NUMBER: S122RDIW-S1005D435U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	157.7	157.9	158.0	158.1	158.2	158.3	158.0	157.4	156.8	156.2	155.6
115°	182.9	183.0	183.2	183.4	183.6	183.8	183.6	183.0	182.4	181.8	181.2
117.5°	207.6	207.9	208.4	209.0	209.6	210.1	210.0	209.2	208.4	207.6	206.8
120°	223.8	223.8	224.6	225.4	226.2	227.0	227.0	226.2	225.4	224.6	223.8
122.5°	241.0	241.2	241.8	242.3	242.9	243.5	243.3	242.3	241.3	240.4	239.4
125°	266.1	266.4	266.7	267.0	267.3	267.6	267.3	266.4	265.5	264.6	263.7
127.5°	290.5	290.9	291.2	291.6	292.0	292.3	291.9	290.8	289.6	288.5	287.3
130°	307.0	307.2	307.4	307.6	307.8	308.0	307.4	306.1	304.8	303.5	302.2
132.5°	323.4	323.8	323.8	323.8	323.7	323.7	323.1	322.1	321.0	319.9	318.9
135°	346.9	347.0	346.8	346.6	346.4	346.2	345.6	344.5	343.4	342.3	341.2
137.5°	369.8	369.9	369.6	369.4	369.1	368.8	368.2	367.3	366.4	365.5	364.6
140°	385.1	385.1	384.6	384.1	383.6	383.1	382.4	381.5	380.6	379.7	378.8
142.5°	399.0	398.9	398.5	398.2	397.8	397.5	396.9	396.0	395.1	394.2	393.3
145°	420.1	420.0	419.4	418.8	418.2	417.6	416.9	416.2	415.5	414.8	414.1
147.5°	438.5	438.3	437.9	437.5	437.1	436.7	436.1	435.2	434.4	433.5	432.7
150°	450.2	449.9	449.5	449.1	448.7	448.3	447.8	447.2	446.6	446.0	445.4
152.5°	461.9	461.5	461.0	460.5	460.0	459.6	459.0	458.4	457.8	457.2	456.6
155°	476.7	476.2	475.9	475.6	475.3	475.0	474.7	474.4	474.0	473.7	473.4
157.5°	490.3	489.6	489.4	489.2	489.0	488.8	488.7	488.5	488.3	488.1	487.9
160°	498.5	497.9	497.8	497.7	497.6	497.5	497.4	497.2	497.0	496.8	496.6
162.5°	505.8	505.2	505.1	505.0	504.9	504.8	504.7	504.6	504.6	504.6	504.5
165°	515.4	514.7	514.7	514.7	514.7	514.7	514.7	514.8	514.9	515.0	515.1
167.5°	523.3	522.6	522.6	522.6	522.6	522.6	522.8	523.1	523.4	523.7	524.0
170°	527.6	526.9	527.0	527.1	527.2	527.3	527.5	527.8	528.1	528.4	528.7
172.5°	530.9	530.2	530.3	530.4	530.5	530.6	530.8	531.1	531.4	531.7	532.0
175°	534.4	533.7	533.9	534.1	534.3	534.5	534.8	535.1	535.4	535.7	536.0
177.5°	536.3	535.8	535.9	536.1	536.3	536.4	536.6	536.9	537.1	537.4	537.6
180°	536.9	536.9	536.9	536.9	536.9	536.9	536.9	536.9	536.9	536.9	536.9



TEST NUMBER: P331846

CATALOG NUMBER: S122RDIW-S1005D435U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4
2.5°	2218.3	2220.1	2232.4	2237.9	2249.0	2253.2	2258.2	2256.9	2256.9	2259.4	2276.5
5°	2223.1	2238.4	2261.4	2283.6	2305.1	2323.4	2335.7	2348.0	2352.6	2374.8	2394.7
7.5°	2215.1	2243.3	2281.3	2315.2	2355.8	2387.5	2413.9	2437.6	2453.9	2486.2	2519.3
10°	2204.7	2244.5	2287.4	2331.1	2387.0	2429.2	2472.1	2505.1	2515.8	2564.1	2591.7
12.5°	2183.8	2237.2	2291.7	2348.3	2403.0	2461.1	2508.3	2541.2	2578.9	2622.3	2673.2
15°	2152.6	2213.9	2285.1	2357.9	2436.1	2506.6	2557.2	2614.6	2656.0	2703.5	2748.0
17.5°	2107.7	2186.6	2277.2	2361.5	2451.9	2527.6	2597.2	2652.3	2681.5	2708.6	2715.2
20°	2072.1	2157.2	2263.7	2363.3	2453.7	2541.1	2610.0	2656.0	2663.7	2664.4	2623.8
22.5°	2033.5	2129.6	2241.0	2343.1	2451.3	2548.4	2602.1	2621.7	2591.3	2539.4	2460.8
25°	1962.5	2073.6	2203.1	2319.6	2437.6	2529.6	2548.0	2513.5	2407.0	2295.1	2153.3
27.5°	1885.6	2010.5	2149.3	2278.8	2404.5	2461.5	2421.8	2297.5	2105.7	1938.9	1736.8
30°	1829.2	1969.4	2105.8	2250.6	2367.1	2391.6	2300.5	2117.3	1893.5	1642.2	1440.7
32.5°	1764.8	1911.8	2061.7	2211.4	2308.9	2285.0	2134.3	1908.9	1646.5	1399.4	1208.9
35°	1672.8	1824.6	1986.3	2136.5	2198.5	2095.1	1869.8	1576.3	1308.1	1077.4	946.4
37.5°	1566.6	1731.9	1900.0	2037.9	2033.5	1861.1	1554.2	1251.2	1025.8	889.4	796.0
40°	1491.2	1658.3	1839.9	1956.4	1906.6	1682.0	1349.5	1063.6	898.9	790.1	721.9
42.5°	1418.9	1586.6	1767.0	1859.5	1772.9	1496.9	1165.6	941.6	805.7	720.8	665.5
45°	1295.8	1472.8	1639.9	1691.2	1536.4	1232.2	942.6	780.1	689.7	626.8	588.5
47.5°	1175.5	1349.6	1502.1	1503.0	1293.7	999.3	795.1	675.1	597.9	549.3	521.4
50°	1101.9	1267.5	1395.4	1375.5	1138.0	888.9	711.1	607.7	543.3	505.8	476.6
52.5°	1019.2	1179.8	1290.6	1233.9	1006.2	782.2	635.7	548.8	495.5	462.8	436.8
55°	898.9	1041.4	1119.6	1033.7	820.7	650.6	537.2	469.0	429.1	401.5	379.3
57.5°	780.7	898.3	947.5	847.5	676.0	539.5	454.4	403.2	363.7	343.9	332.4
60°	706.5	806.9	841.4	731.1	587.8	472.0	402.3	354.8	325.7	312.7	301.2
62.5°	633.6	715.6	729.8	628.7	512.4	413.2	353.3	313.1	293.8	281.4	270.5
65°	525.7	584.7	577.8	496.6	405.4	328.0	284.3	259.8	245.2	227.6	208.4
67.5°	432.8	468.8	447.1	386.2	309.4	254.9	226.4	207.8	189.7	173.0	168.6
70°	374.0	394.6	371.7	315.7	253.6	213.8	190.8	168.6	157.9	154.0	147.1
72.5°	317.6	324.8	299.9	252.0	206.4	177.0	154.6	142.2	136.4	133.2	128.7
75°	238.3	233.0	211.5	174.0	143.3	123.4	116.5	111.9	108.0	105.0	102.7
77.5°	167.4	159.5	140.4	115.9	99.8	90.3	86.1	83.7	81.8	80.3	78.0
80°	125.7	120.3	101.2	82.8	75.9	71.3	69.0	65.9	65.9	64.4	62.1
82.5°	92.0	86.0	69.3	60.7	56.9	54.1	52.4	50.6	50.0	50.3	48.6
85°	48.3	39.1	34.5	33.0	30.7	29.1	29.9	28.4	28.4	28.4	27.6
87.5°	15.0	12.2	11.9	11.5	12.4	12.9	12.7	13.2	14.2	13.6	14.1
90°	1.7	2.9	4.1	5.3	7.0	9.2	11.4	13.6	15.9	15.7	15.5
92.5°	9.0	9.8	10.7	11.6	12.3	12.8	13.4	13.9	14.4	14.4	14.5
95°	24.6	25.6	26.6	27.6	28.2	28.4	28.6	28.8	29.0	29.0	29.0
97.5°	43.9	44.8	45.7	46.6	47.2	47.6	48.0	48.4	48.7	48.7	48.7
100°	58.3	59.1	60.0	60.8	61.3	61.6	61.9	62.2	62.5	62.5	62.5
102.5°	73.4	74.0	74.7	75.3	75.9	76.2	76.6	77.0	77.4	77.5	77.5
105°	97.7	98.0	98.3	98.6	98.9	99.1	99.3	99.5	99.7	99.9	100.1
107.5°	122.7	123.1	123.6	124.0	124.2	124.2	124.2	124.2	124.2	124.3	124.4
110°	138.8	139.4	140.0	140.6	140.9	140.9	140.9	140.9	140.9	140.9	140.9



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	156.2	156.8	157.4	158.0	158.3	158.2	158.1	158.0	157.9	157.7	157.5
115°	181.8	182.4	183.0	183.6	183.8	183.6	183.4	183.2	183.0	182.9	182.8
117.5°	207.6	208.4	209.2	210.0	210.1	209.6	209.0	208.4	207.9	207.6	207.4
120°	224.6	225.4	226.2	227.0	227.0	226.2	225.4	224.6	223.8	223.8	223.8
122.5°	240.4	241.3	242.3	243.3	243.5	242.9	242.3	241.8	241.2	241.0	240.7
125°	264.6	265.5	266.4	267.3	267.6	267.3	267.0	266.7	266.4	266.1	265.8
127.5°	288.5	289.6	290.8	291.9	292.3	292.0	291.6	291.2	290.9	290.5	290.1
130°	303.5	304.8	306.1	307.4	308.0	307.8	307.6	307.4	307.2	307.0	306.8
132.5°	319.9	321.0	322.1	323.1	323.7	323.7	323.8	323.8	323.8	323.4	323.0
135°	342.3	343.4	344.5	345.6	346.2	346.4	346.6	346.8	347.0	346.9	346.8
137.5°	365.5	366.4	367.3	368.2	368.8	369.1	369.4	369.6	369.9	369.8	369.7
140°	379.7	380.6	381.5	382.4	383.1	383.6	384.1	384.6	385.1	385.1	385.1
142.5°	394.2	395.1	396.0	396.9	397.5	397.8	398.2	398.5	398.9	399.0	399.0
145°	414.8	415.5	416.2	416.9	417.6	418.2	418.8	419.4	420.0	420.1	420.2
147.5°	433.5	434.4	435.2	436.1	436.7	437.1	437.5	437.9	438.3	438.5	438.7
150°	446.0	446.6	447.2	447.8	448.3	448.7	449.1	449.5	449.9	450.2	450.5
152.5°	457.2	457.8	458.4	459.0	459.6	460.0	460.5	461.0	461.5	461.9	462.2
155°	473.7	474.0	474.4	474.7	475.0	475.3	475.6	475.9	476.2	476.7	477.2
157.5°	488.1	488.3	488.5	488.7	488.8	489.0	489.2	489.4	489.6	490.3	490.9
160°	496.8	497.0	497.2	497.4	497.5	497.6	497.7	497.8	497.9	498.5	499.1
162.5°	504.6	504.6	504.6	504.7	504.8	504.9	505.0	505.1	505.2	505.8	506.5
165°	515.0	514.9	514.8	514.7	514.7	514.7	514.7	514.7	514.7	515.4	516.1
167.5°	523.7	523.4	523.1	522.8	522.6	522.6	522.6	522.6	522.6	523.3	524.0
170°	528.4	528.1	527.8	527.5	527.3	527.2	527.1	527.0	526.9	527.6	528.3
172.5°	531.7	531.4	531.1	530.8	530.6	530.5	530.4	530.3	530.2	530.9	531.6
175°	535.7	535.4	535.1	534.8	534.5	534.3	534.1	533.9	533.7	534.4	535.1
177.5°	537.4	537.1	536.9	536.6	536.4	536.3	536.1	535.9	535.8	536.3	536.8
180°	536.9	536.9	536.9	536.9	536.9	536.9	536.9	536.9	536.9	536.9	536.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4
2.5°	2282.7	2290.6	2294.3	2294.3	2298.6	2296.8	2294.9
5°	2413.9	2428.4	2431.5	2445.3	2455.2	2452.2	2453.7
7.5°	2544.3	2567.7	2590.9	2601.5	2603.1	2609.3	2611.6
10°	2624.6	2643.8	2679.8	2674.4	2701.2	2716.6	2691.3
12.5°	2701.8	2727.7	2752.7	2759.6	2774.8	2779.7	2769.7
15°	2771.7	2785.5	2787.1	2783.2	2787.8	2784.0	2769.4
17.5°	2706.4	2684.1	2638.7	2617.2	2600.2	2575.1	2565.0
20°	2598.5	2532.6	2456.0	2425.4	2389.3	2318.8	2335.7
22.5°	2365.6	2290.5	2213.9	2124.4	2081.6	2014.8	2010.8
25°	2003.1	1873.6	1731.1	1631.5	1573.2	1506.6	1477.4
27.5°	1557.4	1394.4	1277.6	1218.4	1164.6	1111.8	1109.6
30°	1264.4	1141.8	1051.4	1000.8	967.8	945.6	950.2
32.5°	1065.8	981.8	920.8	878.8	854.4	837.7	837.4
35°	871.3	813.8	774.7	757.1	739.5	727.2	728.0
37.5°	745.6	711.1	689.4	669.9	658.9	652.9	649.5
40°	681.2	652.9	636.0	624.5	615.3	606.9	605.4
42.5°	630.4	606.9	590.1	581.0	572.4	566.5	564.9
45°	559.4	540.2	524.9	515.0	511.1	505.8	505.8
47.5°	497.6	478.8	466.8	460.6	454.0	450.4	450.3
50°	456.0	441.4	430.7	426.8	421.5	419.2	418.4
52.5°	418.6	407.7	400.0	397.4	395.1	392.2	392.7
55°	367.8	361.7	358.6	356.3	352.5	347.9	351.0
57.5°	325.1	319.9	311.6	304.4	300.9	297.6	298.9
60°	295.0	284.3	273.6	265.1	262.8	255.9	255.9
62.5°	257.0	242.0	228.8	224.1	221.8	218.6	217.9
65°	197.7	191.6	188.5	185.4	183.9	183.9	182.4
67.5°	163.8	161.4	158.0	157.2	155.7	155.3	154.8
70°	144.8	141.8	140.2	139.5	137.9	138.7	136.4
72.5°	126.4	124.0	123.7	121.7	120.8	120.9	119.2
75°	99.6	99.6	98.9	98.1	96.6	95.8	96.6
77.5°	76.6	76.8	75.4	75.3	75.1	75.3	74.5
80°	61.3	62.1	61.3	60.5	59.8	60.5	59.8
82.5°	48.4	47.4	47.2	47.1	46.9	46.4	46.3
85°	27.6	28.4	27.6	26.8	26.8	26.8	27.6
87.5°	13.5	13.4	13.4	13.4	13.5	13.5	12.9
90°	15.3	15.1	15.0	15.1	15.2	15.3	15.4
92.5°	14.5	14.6	14.6	14.6	14.6	14.7	14.7
95°	29.0	29.0	28.9	28.7	28.5	28.3	28.1
97.5°	48.7	48.7	48.7	48.7	48.7	48.7	48.7
100°	62.5	62.5	62.5	62.4	62.3	62.2	62.1
102.5°	77.6	77.7	77.7	77.6	77.5	77.4	77.3
105°	100.3	100.5	100.6	100.6	100.6	100.6	100.6
107.5°	124.5	124.6	124.4	123.9	123.4	123.0	122.5
110°	140.9	140.9	140.7	140.4	140.1	139.8	139.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	157.2	157.0	156.7	156.5	156.3	156.1	155.9
115°	182.7	182.6	182.4	182.1	181.8	181.5	181.2
117.5°	207.1	206.9	206.6	206.3	206.0	205.7	205.4
120°	223.8	223.8	223.7	223.4	223.1	222.8	222.5
122.5°	240.5	240.2	240.0	239.8	239.6	239.3	239.1
125°	265.5	265.2	265.0	264.9	264.8	264.7	264.6
127.5°	289.8	289.4	289.1	288.7	288.4	288.1	287.8
130°	306.6	306.4	306.1	305.7	305.3	304.9	304.5
132.5°	322.5	322.1	321.7	321.4	321.0	320.7	320.4
135°	346.7	346.6	346.4	346.1	345.8	345.5	345.2
137.5°	369.6	369.6	369.3	368.9	368.5	368.1	367.7
140°	385.1	385.1	384.9	384.5	384.1	383.7	383.3
142.5°	399.1	399.2	399.0	398.6	398.2	397.8	397.4
145°	420.3	420.4	420.2	419.8	419.4	419.0	418.6
147.5°	439.0	439.2	439.1	438.7	438.3	437.9	437.6
150°	450.8	451.1	451.1	450.8	450.5	450.2	449.9
152.5°	462.6	463.0	463.0	462.6	462.2	461.9	461.5
155°	477.7	478.2	478.3	478.0	477.7	477.4	477.1
157.5°	491.6	492.3	492.4	491.9	491.4	491.0	490.5
160°	499.7	500.3	500.4	500.0	499.6	499.2	498.8
162.5°	507.2	507.9	508.0	507.5	507.0	506.5	506.1
165°	516.8	517.5	517.6	517.1	516.6	516.1	515.6
167.5°	524.7	525.4	525.5	524.9	524.4	523.9	523.4
170°	529.0	529.7	529.8	529.2	528.6	528.0	527.4
172.5°	532.3	533.0	533.0	532.4	531.8	531.2	530.6
175°	535.8	536.5	536.6	536.0	535.4	534.8	534.2
177.5°	537.2	537.7	537.7	537.2	536.8	536.3	535.8
180°	536.9	536.9	536.9	536.9	536.9	536.9	536.9

(END OF REPORT)