

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: P333515-840

Luminaire Tested: **S125RDIP-S375D1205U840-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333515-840  
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: S125RDIP-S375D1205U840-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1205 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5683.9 lumens  
Efficiency: N/A  
Efficacy: 134.7 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: Semi-Indirect

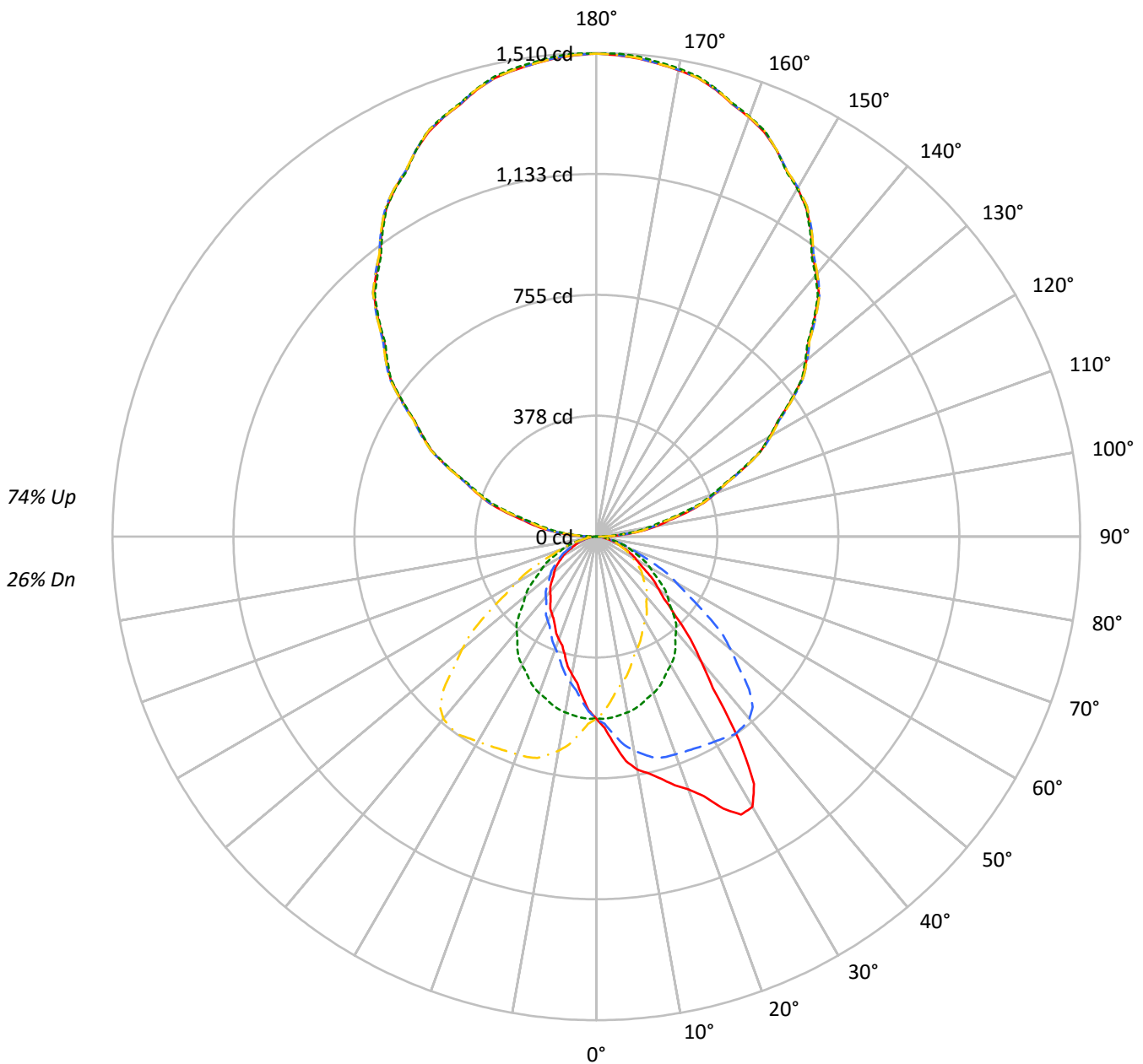
Input Watts (W): 42.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot



— 0°-180° — 45°-225° - - 90°-270° - - 135°-315°



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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	0	
RCR																						
0	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26				
1	93	89	85	82	82	79	76	73	61	59	58	45	44	43	30	30	29	22				
2	84	77	72	67	75	69	65	60	54	51	48	40	38	36	27	26	25	19				
3	77	68	61	56	69	61	55	51	48	44	40	35	33	31	24	23	21	16				
4	71	60	53	47	63	54	48	43	42	38	35	32	29	26	22	20	18	14				
5	65	54	46	40	57	48	42	37	38	33	30	28	25	23	19	18	16	12				
6	59	48	40	35	53	43	37	32	34	29	26	26	22	20	18	16	14	11				
7	55	43	36	30	49	39	32	28	31	26	23	23	20	18	16	14	13	10				
8	51	39	32	27	45	35	29	24	28	23	20	21	18	16	15	13	11	9				
9	47	36	28	24	42	32	26	22	26	21	18	19	16	14	14	12	10	8				
10	44	32	26	21	39	29	23	19	23	19	16	18	15	13	13	11	9	7				

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

	0°	90°	180°	270°
0°	3672	3672	3672	3672
5°	4224	3676	3247	3676
10°	4845	3657	2865	3657
15°	5233	3620	2546	3620
20°	5770	3577	2351	3577
25°	6678	3518	2182	3518
30°	7267	3457	2071	3457
35°	6130	3387	1968	3387
40°	4281	3260	1881	3260
45°	3176	3088	1795	3088
50°	2533	2910	1721	2910
55°	2149	2688	1655	2688
60°	1856	2490	1550	2490
65°	1655	2275	1334	2275
70°	1456	2085	1216	2085
75°	1258	1804	1140	1804
80°	956	1517	956	1517
85°	793	1193	897	1193



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.5	1.0
10°-20°	159.7	2.8
20°-30°	253.3	4.5
30°-40°	305.4	5.4
40°-50°	272.8	4.8
50°-60°	209.2	3.7
60°-70°	135.9	2.4
70°-80°	66.1	1.2
80°-90°	19.1	0.3
90°-100°	101.0	1.8
100°-110°	298.2	5.2
110°-120°	505.2	8.9
120°-130°	664.8	11.7
130°-140°	745.0	13.1
140°-150°	730.1	12.8
150°-160°	613.2	10.8
160°-170°	407.6	7.2
170°-180°	142.7	2.5
0°-30°	467.5	8.2
0°-40°	773.0	13.6
0°-60°	1254.9	22.1
0°-90°	1476.0	26.0
90°-120°	904.4	15.9
90°-150°	3044.3	53.6
90°-180°	4208.0	74.0
0°-180°	5683.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	568	568	568	568	568	
5°	652	567	501	567	652	65
15°	783	541	381	541	783	224
25°	937	494	306	494	937	430
35°	778	430	250	430	778	470
45°	348	338	196	338	348	277
55°	191	239	147	239	191	173
65°	108	149	87	149	108	108
75°	50	72	46	72	50	54
85°	11	16	12	16	11	13
90°	28	1	28	1	28	17
95°	101	76	101	76	101	103
105°	291	268	291	268	291	308
115°	510	506	510	506	510	505
125°	743	738	743	738	743	663
135°	963	960	963	960	963	743
145°	1168	1163	1168	1163	1168	729
155°	1331	1331	1331	1331	1331	612
165°	1443	1447	1443	1447	1443	407
175°	1498	1504	1498	1504	1498	142
180°	1508	1508	1508	1508	1508	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	597.9	597.5	598.3	596.2	596.4	593.3	593.3	590.9	587.6	585.2	584.1
5°	651.5	652.0	651.1	647.5	645.2	641.7	637.7	630.8	624.9	619.2	614.9
7.5°	706.7	707.0	703.9	702.9	696.9	692.7	683.9	674.3	665.9	655.1	646.9
10°	738.8	738.5	735.3	732.7	727.6	721.0	712.4	701.3	690.7	679.0	667.8
12.5°	757.4	756.8	755.8	752.7	747.9	742.1	734.8	723.8	710.8	698.1	685.0
15°	782.6	781.0	778.0	774.0	767.2	760.4	752.3	742.6	730.1	715.7	703.6
17.5°	813.9	813.9	809.2	803.7	794.5	782.5	769.9	754.2	737.3	721.4	708.5
20°	839.6	838.9	834.2	823.4	812.9	798.0	783.6	764.2	743.7	722.9	706.8
22.5°	876.6	874.7	869.9	855.8	839.5	820.2	798.1	774.5	749.6	726.1	704.9
25°	937.2	935.7	926.1	909.8	887.0	857.3	828.4	796.0	760.2	729.2	703.6
27.5°	978.6	977.0	969.9	956.3	935.2	904.0	864.9	821.5	777.0	734.3	697.3
30°	974.4	978.0	977.0	970.7	954.8	926.9	890.7	841.9	788.9	738.8	694.7
32.5°	915.8	919.0	927.2	939.6	940.5	929.3	902.2	857.2	802.3	745.3	692.6
35°	777.5	781.7	797.6	822.5	855.3	882.5	888.1	863.8	814.6	753.3	689.5
37.5°	597.7	620.7	634.1	660.4	709.7	759.9	808.2	826.0	805.1	749.9	684.6
40°	507.8	513.3	537.1	566.8	608.3	660.6	729.4	779.1	780.7	742.6	676.7
42.5°	434.5	441.7	458.0	481.7	517.3	569.5	640.6	706.2	736.5	722.0	666.4
45°	347.7	353.0	365.0	383.1	410.4	453.6	514.7	590.6	650.8	674.4	638.9
47.5°	285.6	288.5	298.8	312.8	333.0	364.4	411.7	477.6	549.8	600.4	595.4
50°	252.1	255.3	263.2	273.7	290.7	317.3	355.2	410.0	484.4	546.2	558.7
52.5°	225.9	228.6	233.6	243.5	257.5	277.9	308.5	358.1	425.1	490.8	519.5
55°	190.9	192.8	196.7	202.3	213.5	228.2	254.6	288.9	343.1	409.3	451.3
57.5°	162.1	163.0	165.5	170.7	178.4	189.1	208.2	237.2	276.1	335.8	382.1
60°	143.7	144.7	147.9	151.5	157.5	167.3	182.3	202.6	239.8	289.1	336.0
62.5°	129.2	129.8	131.2	134.6	140.0	147.5	159.3	175.8	205.5	248.8	293.1
65°	108.3	108.5	109.0	111.8	115.0	120.7	128.4	140.0	162.4	195.1	234.3
67.5°	88.2	88.6	90.2	91.2	94.5	97.5	102.0	110.9	126.7	148.8	179.3
70°	77.1	76.7	78.4	79.6	80.7	84.2	87.3	94.5	104.3	121.1	146.5
72.5°	66.6	65.9	66.7	67.1	68.6	71.0	74.0	78.5	86.0	97.6	117.0
75°	50.4	50.6	50.6	51.1	52.3	53.2	54.1	56.5	60.7	68.4	78.9
77.5°	35.3	35.0	36.0	36.2	36.9	37.9	38.7	39.6	41.3	44.4	49.9
80°	25.7	25.7	25.9	26.6	26.4	26.9	28.0	29.0	31.0	32.9	34.7
82.5°	19.7	19.5	19.7	19.9	19.8	20.3	20.7	20.9	21.7	22.6	23.9
85°	10.7	10.7	11.0	11.0	11.2	11.2	11.4	11.4	11.4	11.7	11.9
87.5°	9.7	9.4	9.1	8.9	8.9	9.1	8.7	8.2	8.0	7.7	7.5
90°	28.2	27.4	26.6	25.9	25.0	24.0	22.7	21.4	20.1	18.8	17.0
92.5°	55.3	54.8	54.2	53.6	53.1	51.9	50.2	48.5	46.8	45.0	42.8
95°	100.9	100.4	99.9	99.4	98.9	97.7	95.8	94.0	92.2	90.4	87.8
97.5°	153.0	152.7	152.4	152.1	151.8	150.8	149.1	147.3	145.6	143.9	140.3
100°	192.5	192.0	191.4	190.9	190.4	188.9	186.6	184.2	181.9	179.6	176.1
102.5°	231.9	231.2	230.5	229.7	228.9	227.3	224.8	222.2	219.6	217.1	215.4
105°	291.0	290.2	289.4	288.7	287.9	286.7	285.2	283.6	282.1	280.4	278.9
107.5°	351.5	351.6	351.7	351.7	351.8	351.4	350.6	349.8	349.1	348.3	347.1
110°	396.7	396.9	397.2	397.4	397.7	397.4	396.7	395.9	395.1	394.3	393.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	440.8	441.2	441.7	442.2	442.6	442.7	442.3	442.0	441.6	441.2	440.2
115°	510.5	510.7	511.0	511.3	511.5	511.8	512.0	512.3	512.6	512.8	512.3
117.5°	578.6	579.6	580.7	581.7	582.7	583.1	582.9	582.7	582.5	582.3	581.8
120°	625.5	626.5	627.5	628.6	629.7	630.2	630.2	630.2	630.2	630.2	630.0
122.5°	672.5	673.3	674.1	674.9	675.8	676.3	676.5	676.7	676.9	677.1	676.4
125°	742.9	743.1	743.4	743.7	743.9	744.3	744.8	745.3	745.8	746.4	746.1
127.5°	810.4	810.9	811.4	812.0	812.5	812.9	813.1	813.4	813.6	814.0	813.6
130°	855.5	856.0	856.6	857.1	857.6	858.0	858.2	858.5	858.8	859.0	858.5
132.5°	897.8	898.5	899.2	899.9	900.7	901.1	901.4	901.7	901.9	902.2	902.3
135°	963.4	964.5	965.5	966.5	967.7	968.2	968.2	968.2	968.2	968.2	967.9
137.5°	1027.7	1029.1	1030.4	1031.7	1033.0	1033.5	1033.2	1032.9	1032.5	1032.2	1031.7
140°	1069.0	1070.4	1071.7	1073.0	1074.3	1074.7	1074.2	1073.6	1073.1	1072.6	1071.8
142.5°	1108.5	1109.8	1111.2	1112.4	1113.7	1114.2	1113.9	1113.6	1113.3	1113.0	1112.0
145°	1167.6	1168.4	1169.2	1170.0	1170.7	1171.1	1171.1	1171.1	1171.1	1171.1	1170.3
147.5°	1218.1	1219.9	1221.6	1223.5	1225.2	1225.8	1225.2	1224.6	1223.9	1223.2	1222.6
150°	1255.7	1256.2	1256.7	1257.2	1257.8	1258.0	1258.0	1258.0	1258.0	1258.0	1257.0
152.5°	1286.7	1287.6	1288.5	1289.5	1290.4	1290.5	1289.9	1289.3	1288.7	1288.1	1287.7
155°	1330.8	1332.1	1333.3	1334.6	1336.0	1336.2	1335.0	1334.0	1333.0	1331.9	1331.7
157.5°	1367.7	1369.4	1371.1	1372.8	1374.5	1374.8	1373.8	1372.7	1371.7	1370.7	1370.4
160°	1393.0	1394.2	1395.5	1396.8	1398.2	1398.3	1397.2	1396.2	1395.1	1394.1	1393.9
162.5°	1414.5	1416.0	1417.5	1419.1	1420.6	1420.8	1419.5	1418.3	1416.9	1415.7	1415.6
165°	1443.4	1445.0	1446.5	1448.1	1449.7	1450.0	1448.9	1447.8	1446.8	1445.7	1445.5
167.5°	1466.4	1468.0	1469.7	1471.3	1472.9	1472.9	1471.4	1469.8	1468.2	1466.6	1466.6
170°	1478.6	1480.5	1482.3	1484.1	1485.9	1486.0	1484.5	1482.9	1481.4	1479.8	1479.8
172.5°	1488.9	1490.6	1492.2	1493.8	1495.4	1495.4	1493.9	1492.3	1490.8	1489.1	1489.1
175°	1498.5	1500.4	1502.3	1504.1	1505.9	1506.0	1504.4	1502.9	1501.3	1499.8	1499.8
177.5°	1504.2	1505.7	1507.1	1508.6	1510.1	1510.2	1508.9	1507.6	1506.4	1505.1	1505.3
180°	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	584.1	582.8	580.4	578.1	575.3	572.9	571.2	569.2	566.5	563.4	560.8
5°	610.0	604.8	598.0	592.2	584.7	579.0	572.9	567.0	561.2	553.7	547.1
7.5°	638.6	628.0	617.7	604.7	593.0	582.5	572.4	562.2	552.2	541.6	531.4
10°	656.2	643.3	629.1	612.8	597.8	583.6	570.6	557.6	544.1	532.3	519.5
12.5°	672.6	656.0	639.7	619.1	601.2	583.8	567.1	551.2	536.7	521.3	507.5
15°	687.4	671.1	652.9	627.7	602.7	581.7	562.1	541.4	523.4	506.1	490.7
17.5°	693.2	676.0	654.9	630.7	603.4	576.9	551.7	529.0	507.8	487.7	470.4
20°	690.9	674.4	652.7	629.5	600.4	572.9	545.5	520.4	496.8	475.5	457.2
22.5°	685.5	668.4	647.4	623.0	595.3	566.1	536.9	510.1	485.4	463.4	443.3
25°	677.4	654.1	632.6	608.7	582.4	553.5	523.4	493.7	467.4	444.9	423.0
27.5°	668.9	639.9	612.5	588.9	561.0	535.2	506.1	475.7	448.1	425.3	402.7
30°	661.3	628.6	598.5	571.7	545.3	520.8	493.3	463.6	435.2	411.6	388.8
32.5°	651.8	617.0	584.0	553.0	527.6	503.3	478.4	450.0	422.3	398.0	374.8
35°	639.9	595.5	559.6	526.6	498.5	474.8	452.4	429.6	401.8	376.6	354.0
37.5°	624.2	573.8	532.3	496.4	466.7	443.0	425.3	404.3	379.0	355.0	334.0
40°	614.6	558.2	512.7	477.2	446.0	420.9	404.3	386.7	363.6	340.9	319.9
42.5°	602.0	543.8	492.9	456.0	424.4	400.4	383.6	368.2	348.8	327.5	305.0
45°	577.0	515.9	462.5	422.8	391.1	367.5	351.8	338.1	323.5	303.8	284.2
47.5°	544.7	486.9	430.9	387.6	356.6	334.7	319.5	308.6	298.1	281.4	262.5
50°	518.8	462.9	408.4	366.4	333.3	312.5	298.2	289.6	280.0	264.9	248.9
52.5°	488.1	438.3	384.9	341.9	310.6	291.1	277.5	268.8	260.9	248.6	233.5
55°	439.9	396.2	347.2	308.2	279.5	259.9	246.9	238.7	234.1	223.6	211.7
57.5°	384.2	352.9	309.7	272.2	246.7	227.4	217.8	210.9	205.6	198.1	189.8
60°	345.4	323.5	284.7	248.9	225.6	207.2	198.5	192.8	187.8	181.6	175.0
62.5°	306.0	290.0	256.3	225.6	204.2	188.7	180.7	175.4	169.8	165.5	159.2
65°	253.2	238.9	215.6	191.6	171.8	159.4	153.5	148.9	145.4	140.7	136.2
67.5°	196.9	191.2	175.0	158.4	144.2	133.2	128.2	124.9	120.8	118.0	114.9
70°	162.4	159.6	148.1	137.2	123.9	116.4	111.8	110.4	105.2	102.4	100.4
72.5°	131.8	130.5	123.9	116.3	106.9	100.4	96.1	94.5	91.2	89.0	87.7
75°	90.3	90.8	89.6	84.7	81.2	77.1	73.3	72.3	70.0	68.2	67.0
77.5°	57.2	59.5	59.6	59.4	58.0	55.4	53.8	53.1	50.9	50.2	49.9
80°	39.2	41.8	44.1	43.8	43.4	42.7	41.5	40.8	39.7	39.0	38.5
82.5°	26.2	28.5	30.5	31.7	31.6	30.9	30.2	29.8	29.6	29.1	29.0
85°	12.3	12.8	13.5	15.1	16.4	16.6	16.4	16.1	15.5	15.7	15.9
87.5°	7.3	7.0	6.8	6.4	5.8	6.3	6.5	6.2	6.3	6.3	6.4
90°	15.1	13.3	11.5	9.5	7.5	5.4	3.2	1.2	3.2	5.4	7.5
92.5°	40.6	38.4	36.1	34.2	32.8	31.3	29.9	28.4	29.9	31.3	32.8
95°	85.1	82.5	79.9	78.4	77.9	77.4	76.7	76.2	76.7	77.4	77.9
97.5°	136.6	133.1	129.5	127.5	127.3	127.1	126.9	126.7	126.9	127.1	127.3
100°	172.8	169.4	166.0	164.3	164.3	164.3	164.3	164.3	164.3	164.3	164.3
102.5°	213.7	212.0	210.3	208.8	207.8	206.7	205.7	204.7	205.7	206.7	207.8
105°	277.3	275.8	274.2	272.8	271.5	270.1	268.8	267.5	268.8	270.1	271.5
107.5°	345.9	344.7	343.5	342.2	340.9	339.6	338.3	337.0	338.3	339.6	340.9
110°	392.7	391.9	391.1	390.1	388.8	387.5	386.2	385.0	386.2	387.5	388.8





TEST NUMBER: P333515-840

CATALOG NUMBER: S125RDIP-S375D1205U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	439.3	438.3	437.3	436.5	435.8	435.0	434.4	433.7	434.4	435.0	435.8
115°	511.8	511.3	510.7	510.0	508.9	507.9	506.9	505.7	506.9	507.9	508.9
117.5°	581.4	580.9	580.4	580.0	579.5	579.1	578.6	578.0	578.6	579.1	579.5
120°	629.7	629.3	629.1	628.3	627.0	625.7	624.4	623.1	624.4	625.7	627.0
122.5°	675.8	675.1	674.4	673.8	673.4	672.9	672.5	672.0	672.5	672.9	673.4
125°	745.8	745.6	745.3	744.4	742.9	741.2	739.7	738.1	739.7	741.2	742.9
127.5°	813.3	813.0	812.7	812.1	811.2	810.3	809.4	808.6	809.4	810.3	811.2
130°	858.0	857.5	857.0	856.0	854.7	853.4	852.1	850.8	852.1	853.4	854.7
132.5°	902.4	902.5	902.6	901.6	899.5	897.4	895.1	893.0	895.1	897.4	899.5
135°	967.7	967.3	967.1	966.2	964.6	963.1	961.5	960.0	961.5	963.1	964.6
137.5°	1031.1	1030.5	1030.0	1028.9	1027.3	1025.8	1024.3	1022.8	1024.3	1025.8	1027.3
140°	1071.1	1070.3	1069.4	1068.4	1067.1	1065.8	1064.5	1063.2	1064.5	1065.8	1067.1
142.5°	1111.0	1109.9	1109.0	1107.9	1106.8	1105.8	1104.7	1103.6	1104.7	1105.8	1106.8
145°	1169.6	1168.8	1168.0	1167.1	1166.1	1165.1	1164.0	1163.0	1164.0	1165.1	1166.1
147.5°	1222.0	1221.4	1220.7	1220.1	1219.6	1219.0	1218.4	1217.9	1218.4	1219.0	1219.6
150°	1255.9	1254.9	1253.8	1253.4	1253.7	1253.9	1254.3	1254.5	1254.3	1253.9	1253.7
152.5°	1287.2	1286.8	1286.4	1286.0	1285.7	1285.3	1284.9	1284.5	1284.9	1285.3	1285.7
155°	1331.4	1331.2	1330.9	1330.8	1330.8	1330.8	1330.8	1330.8	1330.8	1330.8	1330.8
157.5°	1370.2	1369.9	1369.6	1369.8	1370.4	1370.9	1371.5	1372.1	1371.5	1370.9	1370.4
160°	1393.6	1393.3	1393.1	1393.3	1394.1	1394.9	1395.7	1396.4	1395.7	1394.9	1394.1
162.5°	1415.6	1415.5	1415.5	1415.7	1416.3	1416.9	1417.5	1418.1	1417.5	1416.9	1416.3
165°	1445.2	1445.0	1444.7	1444.8	1445.4	1445.9	1446.4	1446.9	1446.4	1445.9	1445.4
167.5°	1466.6	1466.6	1466.6	1467.1	1468.2	1469.3	1470.3	1471.4	1470.3	1469.3	1468.2
170°	1479.8	1479.8	1479.8	1480.4	1481.4	1482.4	1483.5	1484.5	1483.5	1482.4	1481.4
172.5°	1489.1	1489.1	1489.1	1489.8	1490.8	1491.8	1492.9	1493.9	1492.9	1491.8	1490.8
175°	1499.8	1499.8	1499.8	1500.3	1501.3	1502.4	1503.4	1504.4	1503.4	1502.4	1501.3
177.5°	1505.6	1505.8	1506.0	1506.5	1507.3	1508.1	1509.0	1509.8	1509.0	1508.1	1507.3
180°	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9



TEST NUMBER: P333515-840

CATALOG NUMBER: S125RDIP-S375D1205U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	558.9	556.3	554.4	550.7	548.1	546.9	544.9	544.3	546.4	544.9	544.7
5°	542.3	535.5	530.2	524.8	519.0	515.2	509.6	508.7	507.3	505.2	504.7
7.5°	522.4	513.5	506.6	497.8	490.1	483.8	476.9	473.5	471.7	469.0	465.3
10°	509.0	498.5	489.1	480.2	470.7	462.9	456.0	450.6	447.1	443.8	442.4
12.5°	495.6	484.9	473.0	462.3	451.6	443.0	435.3	431.7	427.9	424.0	420.8
15°	475.0	460.9	447.8	435.5	426.4	417.0	409.5	404.3	398.6	396.9	390.6
17.5°	453.2	439.3	423.9	411.0	400.4	390.1	381.9	376.1	371.7	365.7	362.8
20°	439.6	423.0	408.1	396.2	384.6	372.4	364.1	359.1	355.0	350.0	347.7
22.5°	425.1	408.9	393.5	379.6	367.8	355.8	349.8	344.8	340.0	335.5	332.3
25°	403.6	387.4	371.2	356.8	344.5	335.8	328.8	323.0	320.4	316.0	312.7
27.5°	382.5	365.2	348.5	334.1	324.4	315.8	310.0	305.5	300.8	297.0	294.1
30°	368.9	351.2	333.0	321.5	311.2	303.2	296.8	292.4	288.9	285.4	283.3
32.5°	355.3	337.0	320.8	308.5	298.8	291.8	285.3	280.9	277.3	273.5	270.9
35°	333.5	314.8	301.7	289.6	280.0	273.5	269.0	263.0	259.9	257.1	254.6
37.5°	313.2	295.8	281.7	271.0	262.7	256.2	250.4	247.2	243.5	241.0	238.8
40°	298.2	282.4	269.5	258.3	252.3	245.0	239.6	235.4	232.7	229.3	227.0
42.5°	284.8	270.0	257.5	247.5	239.9	233.8	228.6	224.4	220.9	218.5	216.6
45°	265.8	251.1	238.9	229.6	222.6	216.8	211.4	209.3	204.6	201.9	200.9
47.5°	246.1	233.0	221.3	212.7	205.5	200.0	194.9	190.7	188.0	185.3	183.8
50°	232.9	220.3	209.3	200.9	193.9	187.8	183.2	180.4	176.8	174.3	172.5
52.5°	219.6	207.9	197.0	188.9	182.9	176.8	171.6	168.8	165.5	163.9	162.6
55°	200.7	188.3	178.9	171.1	164.7	159.2	154.2	151.5	149.4	147.7	147.2
57.5°	179.3	169.5	160.8	153.6	147.0	141.8	137.4	134.8	133.0	132.7	131.3
60°	165.2	156.3	148.5	140.7	135.1	130.2	126.4	123.4	121.6	121.4	120.9
62.5°	151.2	142.7	135.3	128.6	123.5	118.9	115.2	111.9	110.8	109.6	108.6
65°	130.5	122.7	116.6	111.3	105.9	102.0	98.5	96.3	93.8	92.4	89.9
67.5°	110.1	104.1	98.3	93.7	89.5	85.7	82.8	79.7	78.0	76.9	75.0
70°	96.6	91.9	86.1	81.2	78.0	74.9	72.6	69.1	67.9	67.0	66.0
72.5°	83.9	79.8	74.9	70.9	67.7	64.8	62.1	60.5	59.3	58.4	57.9
75°	66.0	62.1	57.9	55.0	52.7	50.4	49.0	47.9	47.4	47.2	46.3
77.5°	48.5	46.4	43.0	40.8	39.3	38.3	37.1	36.5	36.4	35.3	35.0
80°	37.1	36.0	33.1	32.2	31.0	30.1	29.4	28.3	27.1	26.6	25.9
82.5°	27.6	26.5	25.2	23.8	22.8	22.2	21.6	21.1	21.3	20.6	20.3
85°	14.7	13.5	13.0	12.8	12.3	12.8	12.6	12.3	12.1	11.9	12.1
87.5°	6.6	7.0	7.2	7.9	7.7	8.3	8.5	8.6	8.8	9.1	9.1
90°	9.5	11.5	13.3	15.1	17.0	18.8	20.1	21.4	22.7	24.0	25.0
92.5°	34.2	36.1	38.4	40.6	42.8	45.0	46.8	48.5	50.2	51.9	53.1
95°	78.4	79.9	82.5	85.1	87.8	90.4	92.2	94.0	95.8	97.7	98.9
97.5°	127.5	129.5	133.1	136.6	140.3	143.9	145.6	147.3	149.1	150.8	151.8
100°	164.3	166.0	169.4	172.8	176.1	179.6	181.9	184.2	186.6	188.9	190.4
102.5°	208.8	210.3	212.0	213.7	215.4	217.1	219.6	222.2	224.8	227.3	228.9
105°	272.8	274.2	275.8	277.3	278.9	280.4	282.1	283.6	285.2	286.7	287.9
107.5°	342.2	343.5	344.7	345.9	347.1	348.3	349.1	349.8	350.6	351.4	351.8
110°	390.1	391.1	391.9	392.7	393.5	394.3	395.1	395.9	396.7	397.4	397.7



TEST NUMBER: P333515-840

CATALOG NUMBER: S125RDIP-S375D1205U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	436.5	437.3	438.3	439.3	440.2	441.2	441.6	442.0	442.3	442.7	442.6
115°	510.0	510.7	511.3	511.8	512.3	512.8	512.6	512.3	512.0	511.8	511.5
117.5°	580.0	580.4	580.9	581.4	581.8	582.3	582.5	582.7	582.9	583.1	582.7
120°	628.3	629.1	629.3	629.7	630.0	630.2	630.2	630.2	630.2	630.2	629.7
122.5°	673.8	674.4	675.1	675.8	676.4	677.1	676.9	676.7	676.5	676.3	675.8
125°	744.4	745.3	745.6	745.8	746.1	746.4	745.8	745.3	744.8	744.3	743.9
127.5°	812.1	812.7	813.0	813.3	813.6	814.0	813.6	813.4	813.1	812.9	812.5
130°	856.0	857.0	857.5	858.0	858.5	859.0	858.8	858.5	858.2	858.0	857.6
132.5°	901.6	902.6	902.5	902.4	902.3	902.2	901.9	901.7	901.4	901.1	900.7
135°	966.2	967.1	967.3	967.7	967.9	968.2	968.2	968.2	968.2	968.2	967.7
137.5°	1028.9	1030.0	1030.5	1031.1	1031.7	1032.2	1032.5	1032.9	1033.2	1033.5	1033.0
140°	1068.4	1069.4	1070.3	1071.1	1071.8	1072.6	1073.1	1073.6	1074.2	1074.7	1074.3
142.5°	1107.9	1109.0	1109.9	1111.0	1112.0	1113.0	1113.3	1113.6	1113.9	1114.2	1113.7
145°	1167.1	1168.0	1168.8	1169.6	1170.3	1171.1	1171.1	1171.1	1171.1	1171.1	1170.7
147.5°	1220.1	1220.7	1221.4	1222.0	1222.6	1223.2	1223.9	1224.6	1225.2	1225.8	1225.2
150°	1253.4	1253.8	1254.9	1255.9	1257.0	1258.0	1258.0	1258.0	1258.0	1258.0	1257.8
152.5°	1286.0	1286.4	1286.8	1287.2	1287.7	1288.1	1288.7	1289.3	1289.9	1290.5	1290.4
155°	1330.8	1330.9	1331.2	1331.4	1331.7	1331.9	1333.0	1334.0	1335.0	1336.2	1336.0
157.5°	1369.8	1369.6	1369.9	1370.2	1370.4	1370.7	1371.7	1372.7	1373.8	1374.8	1374.5
160°	1393.3	1393.1	1393.3	1393.6	1393.9	1394.1	1395.1	1396.2	1397.2	1398.3	1398.2
162.5°	1415.7	1415.5	1415.5	1415.6	1415.6	1415.7	1416.9	1418.3	1419.5	1420.8	1420.6
165°	1444.8	1444.7	1445.0	1445.2	1445.5	1445.7	1446.8	1447.8	1448.9	1450.0	1449.7
167.5°	1467.1	1466.6	1466.6	1466.6	1466.6	1466.6	1468.2	1469.8	1471.4	1472.9	1472.9
170°	1480.4	1479.8	1479.8	1479.8	1479.8	1479.8	1481.4	1482.9	1484.5	1486.0	1485.9
172.5°	1489.8	1489.1	1489.1	1489.1	1489.1	1489.1	1490.8	1492.3	1493.9	1495.4	1495.4
175°	1500.3	1499.8	1499.8	1499.8	1499.8	1499.8	1501.3	1502.9	1504.4	1506.0	1505.9
177.5°	1506.5	1506.0	1505.8	1505.6	1505.3	1505.1	1506.4	1507.6	1508.9	1510.2	1510.1
180°	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9



TEST NUMBER: P333515-840

CATALOG NUMBER: S125RDIP-S375D1205U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	544.5	542.5	541.9	542.7	541.9	542.5	544.5	544.7	544.9	546.4	544.3
5°	502.4	500.1	501.2	500.8	501.2	500.1	502.4	504.7	505.2	507.3	508.7
7.5°	465.3	462.4	459.4	460.3	459.4	462.4	465.3	465.3	469.0	471.7	473.5
10°	439.4	437.1	435.7	436.9	435.7	437.1	439.4	442.4	443.8	447.1	450.6
12.5°	417.6	416.2	415.0	414.4	415.0	416.2	417.6	420.8	424.0	427.9	431.7
15°	387.8	385.1	383.8	380.8	383.8	385.1	387.8	390.6	396.9	398.6	404.3
17.5°	360.4	359.5	356.5	355.2	356.5	359.5	360.4	362.8	365.7	371.7	376.1
20°	344.2	343.3	340.2	342.0	340.2	343.3	344.2	347.7	350.0	355.0	359.1
22.5°	330.7	328.7	327.7	327.2	327.7	328.7	330.7	332.3	335.5	340.0	344.8
25°	311.7	308.7	307.5	306.2	307.5	308.7	311.7	312.7	316.0	320.4	323.0
27.5°	292.8	291.1	289.6	289.2	289.6	291.1	292.8	294.1	297.0	300.8	305.5
30°	280.4	278.8	277.7	277.7	277.7	278.8	280.4	283.3	285.4	288.9	292.4
32.5°	269.4	268.2	267.0	266.8	267.0	268.2	269.4	270.9	273.5	277.3	280.9
35°	253.4	251.6	251.1	249.6	251.1	251.6	253.4	254.6	257.1	259.9	263.0
37.5°	236.7	235.2	235.2	235.0	235.2	235.2	236.7	238.8	241.0	243.5	247.2
40°	226.1	224.9	224.7	223.1	224.7	224.9	226.1	227.0	229.3	232.7	235.4
42.5°	214.7	214.1	213.3	212.6	213.3	214.1	214.7	216.6	218.5	220.9	224.4
45°	199.2	197.6	197.6	196.5	197.6	197.6	199.2	200.9	201.9	204.6	209.3
47.5°	183.3	182.1	182.2	181.0	182.2	182.1	183.3	183.8	185.3	188.0	190.7
50°	172.7	172.0	171.8	171.3	171.8	172.0	172.7	172.5	174.3	176.8	180.4
52.5°	162.1	161.7	162.6	161.6	162.6	161.7	162.1	162.6	163.9	165.5	168.8
55°	147.7	147.0	148.5	147.0	148.5	147.0	147.7	147.2	147.7	149.4	151.5
57.5°	131.3	130.6	131.9	131.2	131.9	130.6	131.3	131.3	132.7	133.0	134.8
60°	120.4	119.0	119.7	120.0	119.7	119.0	120.4	120.9	121.4	121.6	123.4
62.5°	107.6	106.6	107.2	106.1	107.2	106.6	107.6	108.6	109.6	110.8	111.9
65°	89.4	88.7	87.8	87.3	87.8	88.7	89.4	89.9	92.4	93.8	96.3
67.5°	75.1	73.4	73.3	73.7	73.3	73.4	75.1	75.0	76.9	78.0	79.7
70°	64.6	64.6	64.4	64.4	64.4	64.6	64.6	66.0	67.0	67.9	69.1
72.5°	57.4	57.2	56.8	56.6	56.8	57.2	57.4	57.9	58.4	59.3	60.5
75°	46.3	46.5	45.9	45.7	45.9	46.5	46.3	46.3	47.2	47.4	47.9
77.5°	34.1	33.1	33.6	33.1	33.6	33.1	34.1	35.0	35.3	36.4	36.5
80°	25.9	25.7	26.4	25.7	26.4	25.7	25.9	25.9	26.6	27.1	28.3
82.5°	20.5	20.3	20.6	20.1	20.6	20.3	20.5	20.3	20.6	21.3	21.1
85°	12.3	12.1	11.9	12.1	11.9	12.1	12.3	12.1	11.9	12.1	12.3
87.5°	9.5	9.4	9.6	9.7	9.6	9.4	9.5	9.1	9.1	8.8	8.6
90°	25.9	26.6	27.4	28.2	27.4	26.6	25.9	25.0	24.0	22.7	21.4
92.5°	53.6	54.2	54.8	55.3	54.8	54.2	53.6	53.1	51.9	50.2	48.5
95°	99.4	99.9	100.4	100.9	100.4	99.9	99.4	98.9	97.7	95.8	94.0
97.5°	152.1	152.4	152.7	153.0	152.7	152.4	152.1	151.8	150.8	149.1	147.3
100°	190.9	191.4	192.0	192.5	192.0	191.4	190.9	190.4	188.9	186.6	184.2
102.5°	229.7	230.5	231.2	231.9	231.2	230.5	229.7	228.9	227.3	224.8	222.2
105°	288.7	289.4	290.2	291.0	290.2	289.4	288.7	287.9	286.7	285.2	283.6
107.5°	351.7	351.7	351.6	351.5	351.6	351.7	351.7	351.8	351.4	350.6	349.8
110°	397.4	397.2	396.9	396.7	396.9	397.2	397.4	397.7	397.4	396.7	395.9



TEST NUMBER: P333515-840

CATALOG NUMBER: S125RDIP-S375D1205U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	442.2	441.7	441.2	440.8	441.2	441.7	442.2	442.6	442.7	442.3	442.0
115°	511.3	511.0	510.7	510.5	510.7	511.0	511.3	511.5	511.8	512.0	512.3
117.5°	581.7	580.7	579.6	578.6	579.6	580.7	581.7	582.7	583.1	582.9	582.7
120°	628.6	627.5	626.5	625.5	626.5	627.5	628.6	629.7	630.2	630.2	630.2
122.5°	674.9	674.1	673.3	672.5	673.3	674.1	674.9	675.8	676.3	676.5	676.7
125°	743.7	743.4	743.1	742.9	743.1	743.4	743.7	743.9	744.3	744.8	745.3
127.5°	812.0	811.4	810.9	810.4	810.9	811.4	812.0	812.5	812.9	813.1	813.4
130°	857.1	856.6	856.0	855.5	856.0	856.6	857.1	857.6	858.0	858.2	858.5
132.5°	899.9	899.2	898.5	897.8	898.5	899.2	899.9	900.7	901.1	901.4	901.7
135°	966.5	965.5	964.5	963.4	964.5	965.5	966.5	967.7	968.2	968.2	968.2
137.5°	1031.7	1030.4	1029.1	1027.7	1029.1	1030.4	1031.7	1033.0	1033.5	1033.2	1032.9
140°	1073.0	1071.7	1070.4	1069.0	1070.4	1071.7	1073.0	1074.3	1074.7	1074.2	1073.6
142.5°	1112.4	1111.2	1109.8	1108.5	1109.8	1111.2	1112.4	1113.7	1114.2	1113.9	1113.6
145°	1170.0	1169.2	1168.4	1167.6	1168.4	1169.2	1170.0	1170.7	1171.1	1171.1	1171.1
147.5°	1223.5	1221.6	1219.9	1218.1	1219.9	1221.6	1223.5	1225.2	1225.8	1225.2	1224.6
150°	1257.2	1256.7	1256.2	1255.7	1256.2	1256.7	1257.2	1257.8	1258.0	1258.0	1258.0
152.5°	1289.5	1288.5	1287.6	1286.7	1287.6	1288.5	1289.5	1290.4	1290.5	1289.9	1289.3
155°	1334.6	1333.3	1332.1	1330.8	1332.1	1333.3	1334.6	1336.0	1336.2	1335.0	1334.0
157.5°	1372.8	1371.1	1369.4	1367.7	1369.4	1371.1	1372.8	1374.5	1374.8	1373.8	1372.7
160°	1396.8	1395.5	1394.2	1393.0	1394.2	1395.5	1396.8	1398.2	1398.3	1397.2	1396.2
162.5°	1419.1	1417.5	1416.0	1414.5	1416.0	1417.5	1419.1	1420.6	1420.8	1419.5	1418.3
165°	1448.1	1446.5	1445.0	1443.4	1445.0	1446.5	1448.1	1449.7	1450.0	1448.9	1447.8
167.5°	1471.3	1469.7	1468.0	1466.4	1468.0	1469.7	1471.3	1472.9	1472.9	1471.4	1469.8
170°	1484.1	1482.3	1480.5	1478.6	1480.5	1482.3	1484.1	1485.9	1486.0	1484.5	1482.9
172.5°	1493.8	1492.2	1490.6	1488.9	1490.6	1492.2	1493.8	1495.4	1495.4	1493.9	1492.3
175°	1504.1	1502.3	1500.4	1498.5	1500.4	1502.3	1504.1	1505.9	1506.0	1504.4	1502.9
177.5°	1508.6	1507.1	1505.7	1504.2	1505.7	1507.1	1508.6	1510.1	1510.2	1508.9	1507.6
180°	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	544.9	546.9	548.1	550.7	554.4	556.3	558.9	560.8	563.4	566.5	569.2
5°	509.6	515.2	519.0	524.8	530.2	535.5	542.3	547.1	553.7	561.2	567.0
7.5°	476.9	483.8	490.1	497.8	506.6	513.5	522.4	531.4	541.6	552.2	562.2
10°	456.0	462.9	470.7	480.2	489.1	498.5	509.0	519.5	532.3	544.1	557.6
12.5°	435.3	443.0	451.6	462.3	473.0	484.9	495.6	507.5	521.3	536.7	551.2
15°	409.5	417.0	426.4	435.5	447.8	460.9	475.0	490.7	506.1	523.4	541.4
17.5°	381.9	390.1	400.4	411.0	423.9	439.3	453.2	470.4	487.7	507.8	529.0
20°	364.1	372.4	384.6	396.2	408.1	423.0	439.6	457.2	475.5	496.8	520.4
22.5°	349.8	355.8	367.8	379.6	393.5	408.9	425.1	443.3	463.4	485.4	510.1
25°	328.8	335.8	344.5	356.8	371.2	387.4	403.6	423.0	444.9	467.4	493.7
27.5°	310.0	315.8	324.4	334.1	348.5	365.2	382.5	402.7	425.3	448.1	475.7
30°	296.8	303.2	311.2	321.5	333.0	351.2	368.9	388.8	411.6	435.2	463.6
32.5°	285.3	291.8	298.8	308.5	320.8	337.0	355.3	374.8	398.0	422.3	450.0
35°	269.0	273.5	280.0	289.6	301.7	314.8	333.5	354.0	376.6	401.8	429.6
37.5°	250.4	256.2	262.7	271.0	281.7	295.8	313.2	334.0	355.0	379.0	404.3
40°	239.6	245.0	252.3	258.3	269.5	282.4	298.2	319.9	340.9	363.6	386.7
42.5°	228.6	233.8	239.9	247.5	257.5	270.0	284.8	305.0	327.5	348.8	368.2
45°	211.4	216.8	222.6	229.6	238.9	251.1	265.8	284.2	303.8	323.5	338.1
47.5°	194.9	200.0	205.5	212.7	221.3	233.0	246.1	262.5	281.4	298.1	308.6
50°	183.2	187.8	193.9	200.9	209.3	220.3	232.9	248.9	264.9	280.0	289.6
52.5°	171.6	176.8	182.9	188.9	197.0	207.9	219.6	233.5	248.6	260.9	268.8
55°	154.2	159.2	164.7	171.1	178.9	188.3	200.7	211.7	223.6	234.1	238.7
57.5°	137.4	141.8	147.0	153.6	160.8	169.5	179.3	189.8	198.1	205.6	210.9
60°	126.4	130.2	135.1	140.7	148.5	156.3	165.2	175.0	181.6	187.8	192.8
62.5°	115.2	118.9	123.5	128.6	135.3	142.7	151.2	159.2	165.5	169.8	175.4
65°	98.5	102.0	105.9	111.3	116.6	122.7	130.5	136.2	140.7	145.4	148.9
67.5°	82.8	85.7	89.5	93.7	98.3	104.1	110.1	114.9	118.0	120.8	124.9
70°	72.6	74.9	78.0	81.2	86.1	91.9	96.6	100.4	102.4	105.2	110.4
72.5°	62.1	64.8	67.7	70.9	74.9	79.8	83.9	87.7	89.0	91.2	94.5
75°	49.0	50.4	52.7	55.0	57.9	62.1	66.0	67.0	68.2	70.0	72.3
77.5°	37.1	38.3	39.3	40.8	43.0	46.4	48.5	49.9	50.2	50.9	53.1
80°	29.4	30.1	31.0	32.2	33.1	36.0	37.1	38.5	39.0	39.7	40.8
82.5°	21.6	22.2	22.8	23.8	25.2	26.5	27.6	29.0	29.1	29.6	29.8
85°	12.6	12.8	12.3	12.8	13.0	13.5	14.7	15.9	15.7	15.5	16.1
87.5°	8.5	8.3	7.7	7.9	7.2	7.0	6.6	6.4	6.3	6.3	6.2
90°	20.1	18.8	17.0	15.1	13.3	11.5	9.5	7.5	5.4	3.2	1.2
92.5°	46.8	45.0	42.8	40.6	38.4	36.1	34.2	32.8	31.3	29.9	28.4
95°	92.2	90.4	87.8	85.1	82.5	79.9	78.4	77.9	77.4	76.7	76.2
97.5°	145.6	143.9	140.3	136.6	133.1	129.5	127.5	127.3	127.1	126.9	126.7
100°	181.9	179.6	176.1	172.8	169.4	166.0	164.3	164.3	164.3	164.3	164.3
102.5°	219.6	217.1	215.4	213.7	212.0	210.3	208.8	207.8	206.7	205.7	204.7
105°	282.1	280.4	278.9	277.3	275.8	274.2	272.8	271.5	270.1	268.8	267.5
107.5°	349.1	348.3	347.1	345.9	344.7	343.5	342.2	340.9	339.6	338.3	337.0
110°	395.1	394.3	393.5	392.7	391.9	391.1	390.1	388.8	387.5	386.2	385.0



TEST NUMBER: P333515-840

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	441.6	441.2	440.2	439.3	438.3	437.3	436.5	435.8	435.0	434.4	433.7
115°	512.6	512.8	512.3	511.8	511.3	510.7	510.0	508.9	507.9	506.9	505.7
117.5°	582.5	582.3	581.8	581.4	580.9	580.4	580.0	579.5	579.1	578.6	578.0
120°	630.2	630.2	630.0	629.7	629.3	629.1	628.3	627.0	625.7	624.4	623.1
122.5°	676.9	677.1	676.4	675.8	675.1	674.4	673.8	673.4	672.9	672.5	672.0
125°	745.8	746.4	746.1	745.8	745.6	745.3	744.4	742.9	741.2	739.7	738.1
127.5°	813.6	814.0	813.6	813.3	813.0	812.7	812.1	811.2	810.3	809.4	808.6
130°	858.8	859.0	858.5	858.0	857.5	857.0	856.0	854.7	853.4	852.1	850.8
132.5°	901.9	902.2	902.3	902.4	902.5	902.6	901.6	899.5	897.4	895.1	893.0
135°	968.2	968.2	967.9	967.7	967.3	967.1	966.2	964.6	963.1	961.5	960.0
137.5°	1032.5	1032.2	1031.7	1031.1	1030.5	1030.0	1028.9	1027.3	1025.8	1024.3	1022.8
140°	1073.1	1072.6	1071.8	1071.1	1070.3	1069.4	1068.4	1067.1	1065.8	1064.5	1063.2
142.5°	1113.3	1113.0	1112.0	1111.0	1109.9	1109.0	1107.9	1106.8	1105.8	1104.7	1103.6
145°	1171.1	1171.1	1170.3	1169.6	1168.8	1168.0	1167.1	1166.1	1165.1	1164.0	1163.0
147.5°	1223.9	1223.2	1222.6	1222.0	1221.4	1220.7	1220.1	1219.6	1219.0	1218.4	1217.9
150°	1258.0	1258.0	1257.0	1255.9	1254.9	1253.8	1253.4	1253.7	1253.9	1254.3	1254.5
152.5°	1288.7	1288.1	1287.7	1287.2	1286.8	1286.4	1286.0	1285.7	1285.3	1284.9	1284.5
155°	1333.0	1331.9	1331.7	1331.4	1331.2	1330.9	1330.8	1330.8	1330.8	1330.8	1330.8
157.5°	1371.7	1370.7	1370.4	1370.2	1369.9	1369.6	1369.8	1370.4	1370.9	1371.5	1372.1
160°	1395.1	1394.1	1393.9	1393.6	1393.3	1393.1	1393.3	1394.1	1394.9	1395.7	1396.4
162.5°	1416.9	1415.7	1415.6	1415.6	1415.5	1415.5	1415.7	1416.3	1416.9	1417.5	1418.1
165°	1446.8	1445.7	1445.5	1445.2	1445.0	1444.7	1444.8	1445.4	1445.9	1446.4	1446.9
167.5°	1468.2	1466.6	1466.6	1466.6	1466.6	1466.6	1467.1	1468.2	1469.3	1470.3	1471.4
170°	1481.4	1479.8	1479.8	1479.8	1479.8	1479.8	1480.4	1481.4	1482.4	1483.5	1484.5
172.5°	1490.8	1489.1	1489.1	1489.1	1489.1	1489.1	1489.8	1490.8	1491.8	1492.9	1493.9
175°	1501.3	1499.8	1499.8	1499.8	1499.8	1499.8	1500.3	1501.3	1502.4	1503.4	1504.4
177.5°	1506.4	1505.1	1505.3	1505.6	1505.8	1506.0	1506.5	1507.3	1508.1	1509.0	1509.8
180°	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9



TEST NUMBER: P333515-840

CATALOG NUMBER: S125RDIP-S375D1205U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	571.2	572.9	575.3	578.1	580.4	582.8	584.1	584.1	585.2	587.6	590.9
5°	572.9	579.0	584.7	592.2	598.0	604.8	610.0	614.9	619.2	624.9	630.8
7.5°	572.4	582.5	593.0	604.7	617.7	628.0	638.6	646.9	655.1	665.9	674.3
10°	570.6	583.6	597.8	612.8	629.1	643.3	656.2	667.8	679.0	690.7	701.3
12.5°	567.1	583.8	601.2	619.1	639.7	656.0	672.6	685.0	698.1	710.8	723.8
15°	562.1	581.7	602.7	627.7	652.9	671.1	687.4	703.6	715.7	730.1	742.6
17.5°	551.7	576.9	603.4	630.7	654.9	676.0	693.2	708.5	721.4	737.3	754.2
20°	545.5	572.9	600.4	629.5	652.7	674.4	690.9	706.8	722.9	743.7	764.2
22.5°	536.9	566.1	595.3	623.0	647.4	668.4	685.5	704.9	726.1	749.6	774.5
25°	523.4	553.5	582.4	608.7	632.6	654.1	677.4	703.6	729.2	760.2	796.0
27.5°	506.1	535.2	561.0	588.9	612.5	639.9	668.9	697.3	734.3	777.0	821.5
30°	493.3	520.8	545.3	571.7	598.5	628.6	661.3	694.7	738.8	788.9	841.9
32.5°	478.4	503.3	527.6	553.0	584.0	617.0	651.8	692.6	745.3	802.3	857.2
35°	452.4	474.8	498.5	526.6	559.6	595.5	639.9	689.5	753.3	814.6	863.8
37.5°	425.3	443.0	466.7	496.4	532.3	573.8	624.2	684.6	749.9	805.1	826.0
40°	404.3	420.9	446.0	477.2	512.7	558.2	614.6	676.7	742.6	780.7	779.1
42.5°	383.6	400.4	424.4	456.0	492.9	543.8	602.0	666.4	722.0	736.5	706.2
45°	351.8	367.5	391.1	422.8	462.5	515.9	577.0	638.9	674.4	650.8	590.6
47.5°	319.5	334.7	356.6	387.6	430.9	486.9	544.7	595.4	600.4	549.8	477.6
50°	298.2	312.5	333.3	366.4	408.4	462.9	518.8	558.7	546.2	484.4	410.0
52.5°	277.5	291.1	310.6	341.9	384.9	438.3	488.1	519.5	490.8	425.1	358.1
55°	246.9	259.9	279.5	308.2	347.2	396.2	439.9	451.3	409.3	343.1	288.9
57.5°	217.8	227.4	246.7	272.2	309.7	352.9	384.2	382.1	335.8	276.1	237.2
60°	198.5	207.2	225.6	248.9	284.7	323.5	345.4	336.0	289.1	239.8	202.6
62.5°	180.7	188.7	204.2	225.6	256.3	290.0	306.0	293.1	248.8	205.5	175.8
65°	153.5	159.4	171.8	191.6	215.6	238.9	253.2	234.3	195.1	162.4	140.0
67.5°	128.2	133.2	144.2	158.4	175.0	191.2	196.9	179.3	148.8	126.7	110.9
70°	111.8	116.4	123.9	137.2	148.1	159.6	162.4	146.5	121.1	104.3	94.5
72.5°	96.1	100.4	106.9	116.3	123.9	130.5	131.8	117.0	97.6	86.0	78.5
75°	73.3	77.1	81.2	84.7	89.6	90.8	90.3	78.9	68.4	60.7	56.5
77.5°	53.8	55.4	58.0	59.4	59.6	59.5	57.2	49.9	44.4	41.3	39.6
80°	41.5	42.7	43.4	43.8	44.1	41.8	39.2	34.7	32.9	31.0	29.0
82.5°	30.2	30.9	31.6	31.7	30.5	28.5	26.2	23.9	22.6	21.7	20.9
85°	16.4	16.6	16.4	15.1	13.5	12.8	12.3	11.9	11.7	11.4	11.4
87.5°	6.5	6.3	5.8	6.4	6.8	7.0	7.3	7.5	7.7	8.0	8.2
90°	3.2	5.4	7.5	9.5	11.5	13.3	15.1	17.0	18.8	20.1	21.4
92.5°	29.9	31.3	32.8	34.2	36.1	38.4	40.6	42.8	45.0	46.8	48.5
95°	76.7	77.4	77.9	78.4	79.9	82.5	85.1	87.8	90.4	92.2	94.0
97.5°	126.9	127.1	127.3	127.5	129.5	133.1	136.6	140.3	143.9	145.6	147.3
100°	164.3	164.3	164.3	164.3	166.0	169.4	172.8	176.1	179.6	181.9	184.2
102.5°	205.7	206.7	207.8	208.8	210.3	212.0	213.7	215.4	217.1	219.6	222.2
105°	268.8	270.1	271.5	272.8	274.2	275.8	277.3	278.9	280.4	282.1	283.6
107.5°	338.3	339.6	340.9	342.2	343.5	344.7	345.9	347.1	348.3	349.1	349.8
110°	386.2	387.5	388.8	390.1	391.1	391.9	392.7	393.5	394.3	395.1	395.9





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	434.4	435.0	435.8	436.5	437.3	438.3	439.3	440.2	441.2	441.6	442.0
115°	506.9	507.9	508.9	510.0	510.7	511.3	511.8	512.3	512.8	512.6	512.3
117.5°	578.6	579.1	579.5	580.0	580.4	580.9	581.4	581.8	582.3	582.5	582.7
120°	624.4	625.7	627.0	628.3	629.1	629.3	629.7	630.0	630.2	630.2	630.2
122.5°	672.5	672.9	673.4	673.8	674.4	675.1	675.8	676.4	677.1	676.9	676.7
125°	739.7	741.2	742.9	744.4	745.3	745.6	745.8	746.1	746.4	745.8	745.3
127.5°	809.4	810.3	811.2	812.1	812.7	813.0	813.3	813.6	814.0	813.6	813.4
130°	852.1	853.4	854.7	856.0	857.0	857.5	858.0	858.5	859.0	858.8	858.5
132.5°	895.1	897.4	899.5	901.6	902.6	902.5	902.4	902.3	902.2	901.9	901.7
135°	961.5	963.1	964.6	966.2	967.1	967.3	967.7	967.9	968.2	968.2	968.2
137.5°	1024.3	1025.8	1027.3	1028.9	1030.0	1030.5	1031.1	1031.7	1032.2	1032.5	1032.9
140°	1064.5	1065.8	1067.1	1068.4	1069.4	1070.3	1071.1	1071.8	1072.6	1073.1	1073.6
142.5°	1104.7	1105.8	1106.8	1107.9	1109.0	1109.9	1111.0	1112.0	1113.0	1113.3	1113.6
145°	1164.0	1165.1	1166.1	1167.1	1168.0	1168.8	1169.6	1170.3	1171.1	1171.1	1171.1
147.5°	1218.4	1219.0	1219.6	1220.1	1220.7	1221.4	1222.0	1222.6	1223.2	1223.9	1224.6
150°	1254.3	1253.9	1253.7	1253.4	1253.8	1254.9	1255.9	1257.0	1258.0	1258.0	1258.0
152.5°	1284.9	1285.3	1285.7	1286.0	1286.4	1286.8	1287.2	1287.7	1288.1	1288.7	1289.3
155°	1330.8	1330.8	1330.8	1330.8	1330.9	1331.2	1331.4	1331.7	1331.9	1333.0	1334.0
157.5°	1371.5	1370.9	1370.4	1369.8	1369.6	1369.9	1370.2	1370.4	1370.7	1371.7	1372.7
160°	1395.7	1394.9	1394.1	1393.3	1393.1	1393.3	1393.6	1393.9	1394.1	1395.1	1396.2
162.5°	1417.5	1416.9	1416.3	1415.7	1415.5	1415.5	1415.6	1415.6	1415.7	1416.9	1418.3
165°	1446.4	1445.9	1445.4	1444.8	1444.7	1445.0	1445.2	1445.5	1445.7	1446.8	1447.8
167.5°	1470.3	1469.3	1468.2	1467.1	1466.6	1466.6	1466.6	1466.6	1466.6	1468.2	1469.8
170°	1483.5	1482.4	1481.4	1480.4	1479.8	1479.8	1479.8	1479.8	1479.8	1481.4	1482.9
172.5°	1492.9	1491.8	1490.8	1489.8	1489.1	1489.1	1489.1	1489.1	1489.1	1490.8	1492.3
175°	1503.4	1502.4	1501.3	1500.3	1499.8	1499.8	1499.8	1499.8	1499.8	1501.3	1502.9
177.5°	1509.0	1508.1	1507.3	1506.5	1506.0	1505.8	1505.6	1505.3	1505.1	1506.4	1507.6
180°	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	593.3	593.3	596.4	596.2	598.3	597.5	597.9
5°	637.7	641.7	645.2	647.5	651.1	652.0	651.5
7.5°	683.9	692.7	696.9	702.9	703.9	707.0	706.7
10°	712.4	721.0	727.6	732.7	735.3	738.5	738.8
12.5°	734.8	742.1	747.9	752.7	755.8	756.8	757.4
15°	752.3	760.4	767.2	774.0	778.0	781.0	782.6
17.5°	769.9	782.5	794.5	803.7	809.2	813.9	813.9
20°	783.6	798.0	812.9	823.4	834.2	838.9	839.6
22.5°	798.1	820.2	839.5	855.8	869.9	874.7	876.6
25°	828.4	857.3	887.0	909.8	926.1	935.7	937.2
27.5°	864.9	904.0	935.2	956.3	969.9	977.0	978.6
30°	890.7	926.9	954.8	970.7	977.0	978.0	974.4
32.5°	902.2	929.3	940.5	939.6	927.2	919.0	915.8
35°	888.1	882.5	855.3	822.5	797.6	781.7	777.5
37.5°	808.2	759.9	709.7	660.4	634.1	620.7	597.7
40°	729.4	660.6	608.3	566.8	537.1	513.3	507.8
42.5°	640.6	569.5	517.3	481.7	458.0	441.7	434.5
45°	514.7	453.6	410.4	383.1	365.0	353.0	347.7
47.5°	411.7	364.4	333.0	312.8	298.8	288.5	285.6
50°	355.2	317.3	290.7	273.7	263.2	255.3	252.1
52.5°	308.5	277.9	257.5	243.5	233.6	228.6	225.9
55°	254.6	228.2	213.5	202.3	196.7	192.8	190.9
57.5°	208.2	189.1	178.4	170.7	165.5	163.0	162.1
60°	182.3	167.3	157.5	151.5	147.9	144.7	143.7
62.5°	159.3	147.5	140.0	134.6	131.2	129.8	129.2
65°	128.4	120.7	115.0	111.8	109.0	108.5	108.3
67.5°	102.0	97.5	94.5	91.2	90.2	88.6	88.2
70°	87.3	84.2	80.7	79.6	78.4	76.7	77.1
72.5°	74.0	71.0	68.6	67.1	66.7	65.9	66.6
75°	54.1	53.2	52.3	51.1	50.6	50.6	50.4
77.5°	38.7	37.9	36.9	36.2	36.0	35.0	35.3
80°	28.0	26.9	26.4	26.6	25.9	25.7	25.7
82.5°	20.7	20.3	19.8	19.9	19.7	19.5	19.7
85°	11.4	11.2	11.2	11.0	11.0	10.7	10.7
87.5°	8.7	9.1	8.9	8.9	9.1	9.4	9.7
90°	22.7	24.0	25.0	25.9	26.6	27.4	28.2
92.5°	50.2	51.9	53.1	53.6	54.2	54.8	55.3
95°	95.8	97.7	98.9	99.4	99.9	100.4	100.9
97.5°	149.1	150.8	151.8	152.1	152.4	152.7	153.0
100°	186.6	188.9	190.4	190.9	191.4	192.0	192.5
102.5°	224.8	227.3	228.9	229.7	230.5	231.2	231.9
105°	285.2	286.7	287.9	288.7	289.4	290.2	291.0
107.5°	350.6	351.4	351.8	351.7	351.7	351.6	351.5
110°	396.7	397.4	397.7	397.4	397.2	396.9	396.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	442.3	442.7	442.6	442.2	441.7	441.2	440.8
115°	512.0	511.8	511.5	511.3	511.0	510.7	510.5
117.5°	582.9	583.1	582.7	581.7	580.7	579.6	578.6
120°	630.2	630.2	629.7	628.6	627.5	626.5	625.5
122.5°	676.5	676.3	675.8	674.9	674.1	673.3	672.5
125°	744.8	744.3	743.9	743.7	743.4	743.1	742.9
127.5°	813.1	812.9	812.5	812.0	811.4	810.9	810.4
130°	858.2	858.0	857.6	857.1	856.6	856.0	855.5
132.5°	901.4	901.1	900.7	899.9	899.2	898.5	897.8
135°	968.2	968.2	967.7	966.5	965.5	964.5	963.4
137.5°	1033.2	1033.5	1033.0	1031.7	1030.4	1029.1	1027.7
140°	1074.2	1074.7	1074.3	1073.0	1071.7	1070.4	1069.0
142.5°	1113.9	1114.2	1113.7	1112.4	1111.2	1109.8	1108.5
145°	1171.1	1171.1	1170.7	1170.0	1169.2	1168.4	1167.6
147.5°	1225.2	1225.8	1225.2	1223.5	1221.6	1219.9	1218.1
150°	1258.0	1258.0	1257.8	1257.2	1256.7	1256.2	1255.7
152.5°	1289.9	1290.5	1290.4	1289.5	1288.5	1287.6	1286.7
155°	1335.0	1336.2	1336.0	1334.6	1333.3	1332.1	1330.8
157.5°	1373.8	1374.8	1374.5	1372.8	1371.1	1369.4	1367.7
160°	1397.2	1398.3	1398.2	1396.8	1395.5	1394.2	1393.0
162.5°	1419.5	1420.8	1420.6	1419.1	1417.5	1416.0	1414.5
165°	1448.9	1450.0	1449.7	1448.1	1446.5	1445.0	1443.4
167.5°	1471.4	1472.9	1472.9	1471.3	1469.7	1468.0	1466.4
170°	1484.5	1486.0	1485.9	1484.1	1482.3	1480.5	1478.6
172.5°	1493.9	1495.4	1495.4	1493.8	1492.2	1490.6	1488.9
175°	1504.4	1506.0	1505.9	1504.1	1502.3	1500.4	1498.5
177.5°	1508.9	1510.2	1510.1	1508.6	1507.1	1505.7	1504.2
180°	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9

(END OF REPORT)