

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: INVUE

Report Number: P400959

Luminaire Tested: **ENV-SA1A-740-U-SLL-ULG**

Issue Date: 5/20/2020

Test Information

Test Method: LM-79-08
Report Number: P400959
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P#####)
Test Lab: INNOVATION CENTER
Issue Date: 5/20/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ENV-SA1A-740-U-SLL-ULG
Description: ENTRI LED LUMINAIRE WITH UPLIGHT
(1) 70 CRI, 4000K, 350mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4195 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U4 - G1

Input Watts (W): 36.8
Input Voltage (V): NR
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

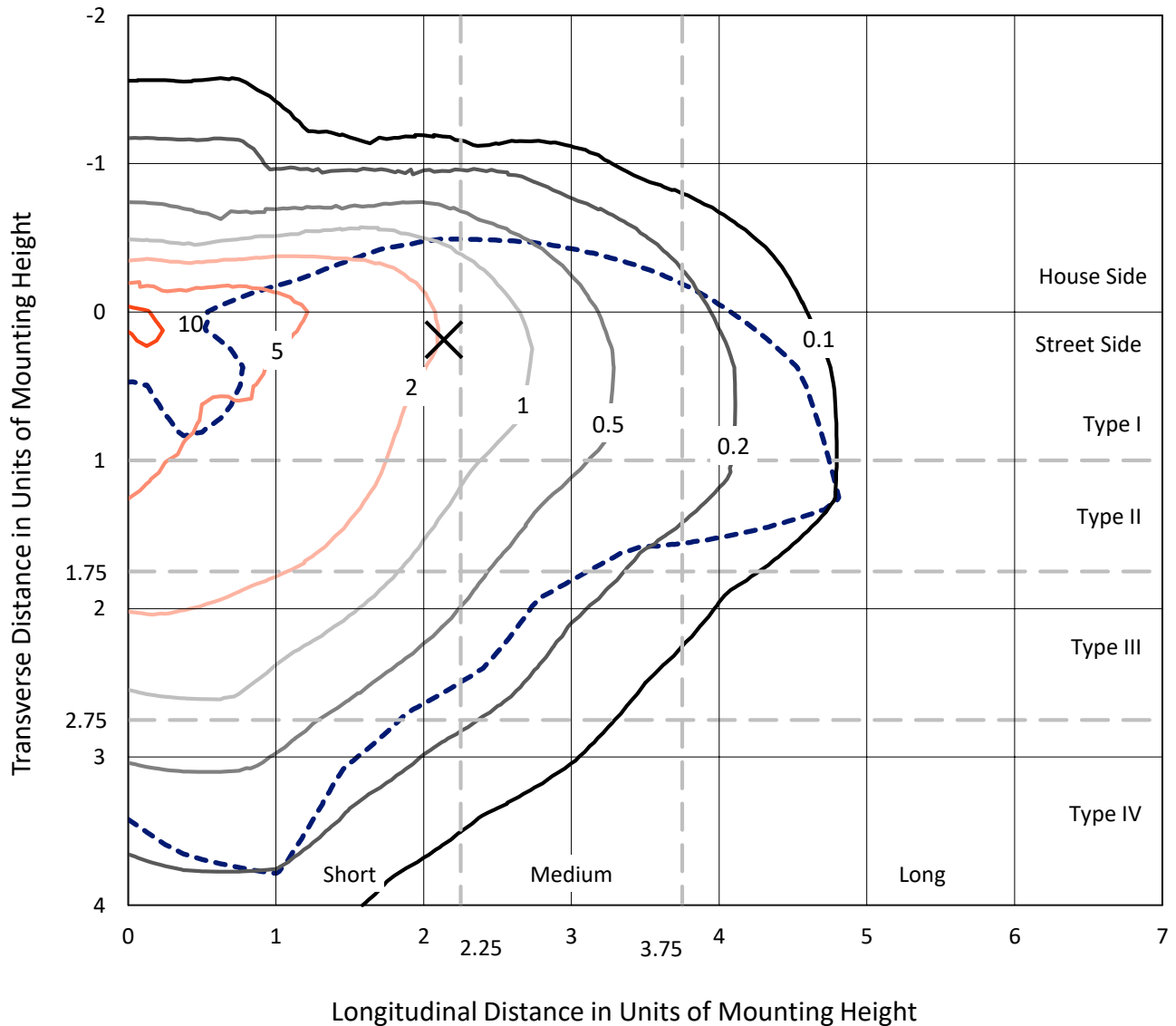


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Iso-Footcandle Lines of Horizontal Illumination

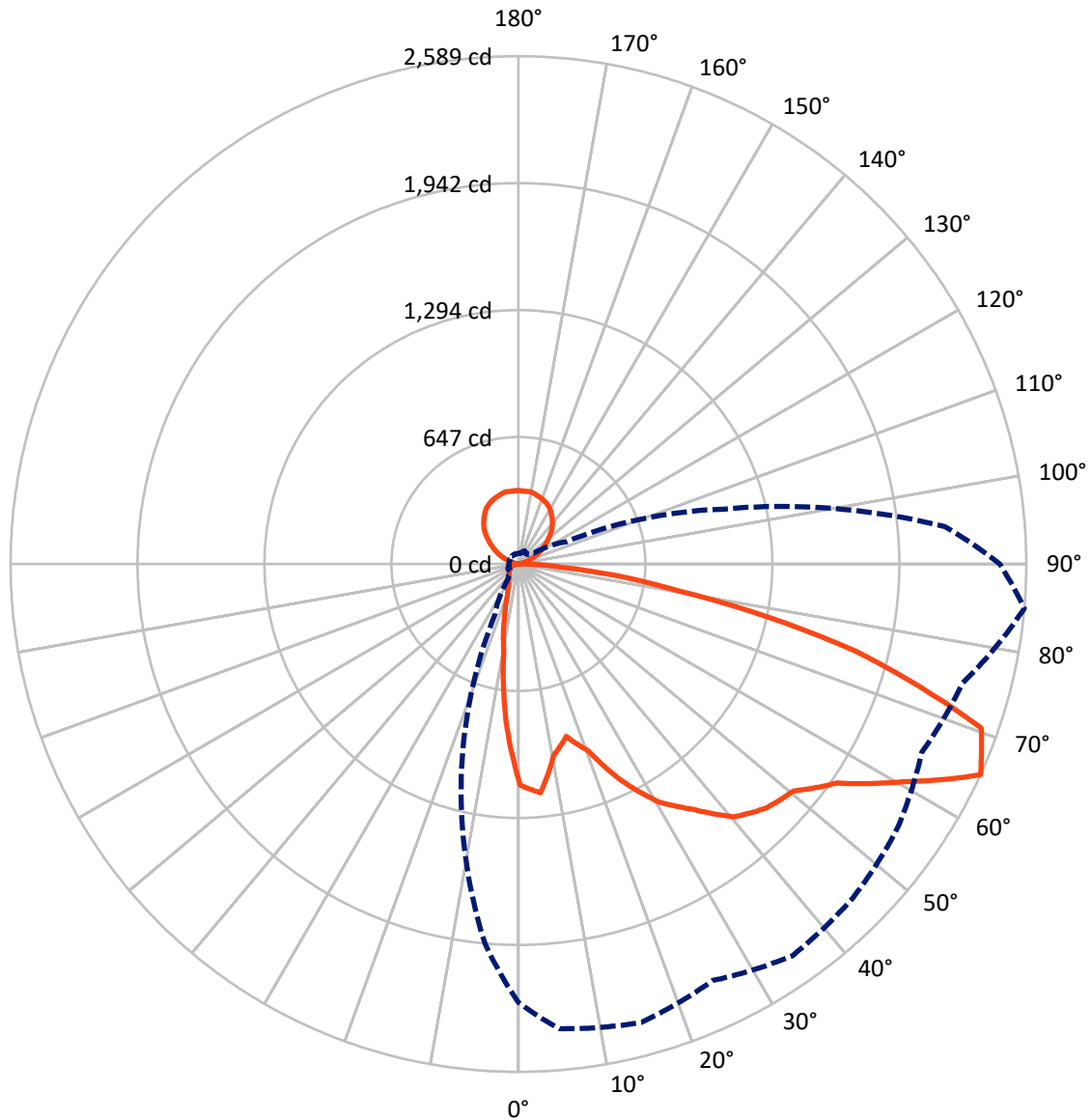
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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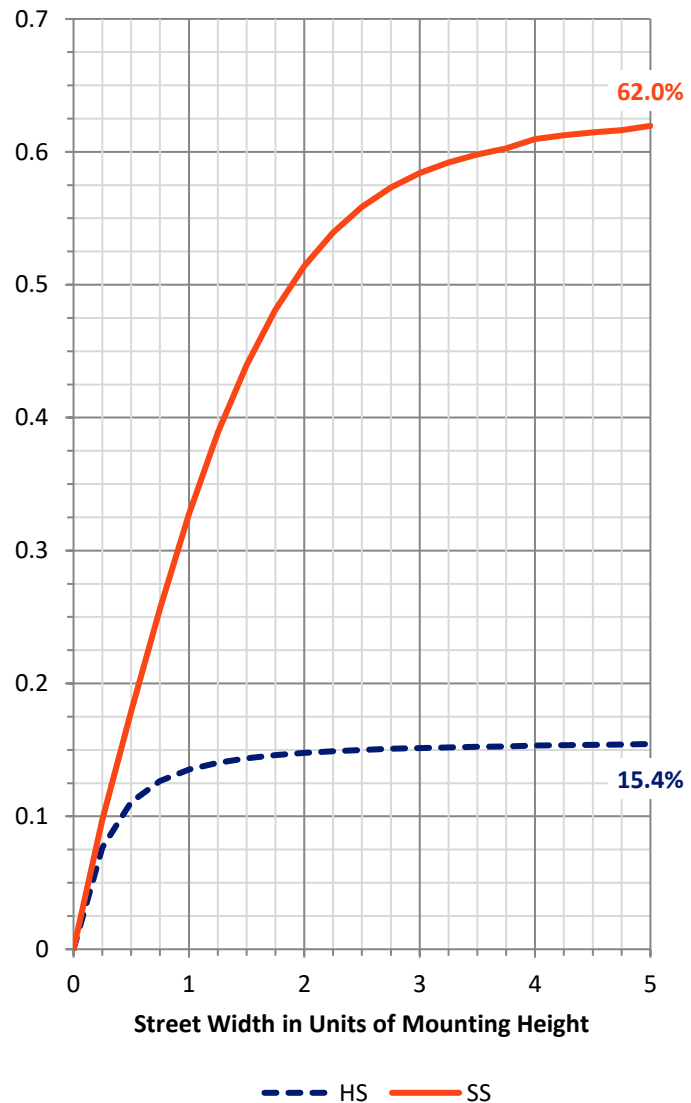
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	659.5	465.9	1125.3
	% Fixture	15.7	11.1	26.8
Street Side	Lumens	2603.8	465.9	3069.7
	% Fixture	62.1	11.1	73.2
Total	Lumens	3263.3	931.7	4195.0
	% Fixture	77.8	22.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.8	2.1
10°-20°	170.9	4.1
20°-30°	237.0	5.6
30°-40°	333.2	7.9
40°-50°	461.7	11.0
50°-60°	647.7	15.4
60°-70°	783.4	18.7
70°-80°	467.3	11.1
80°-90°	75.3	1.8
90°-100°	4.5	0.1
100°-110°	31.5	0.8
110°-120°	89.5	2.1
120°-130°	146.6	3.5
130°-140°	180.7	4.3
140°-150°	184.8	4.4
150°-160°	155.8	3.7
160°-170°	102.6	2.4
170°-180°	35.6	0.8
0°-90°	3263.3	77.8
0°-180°	4195.0	100.0



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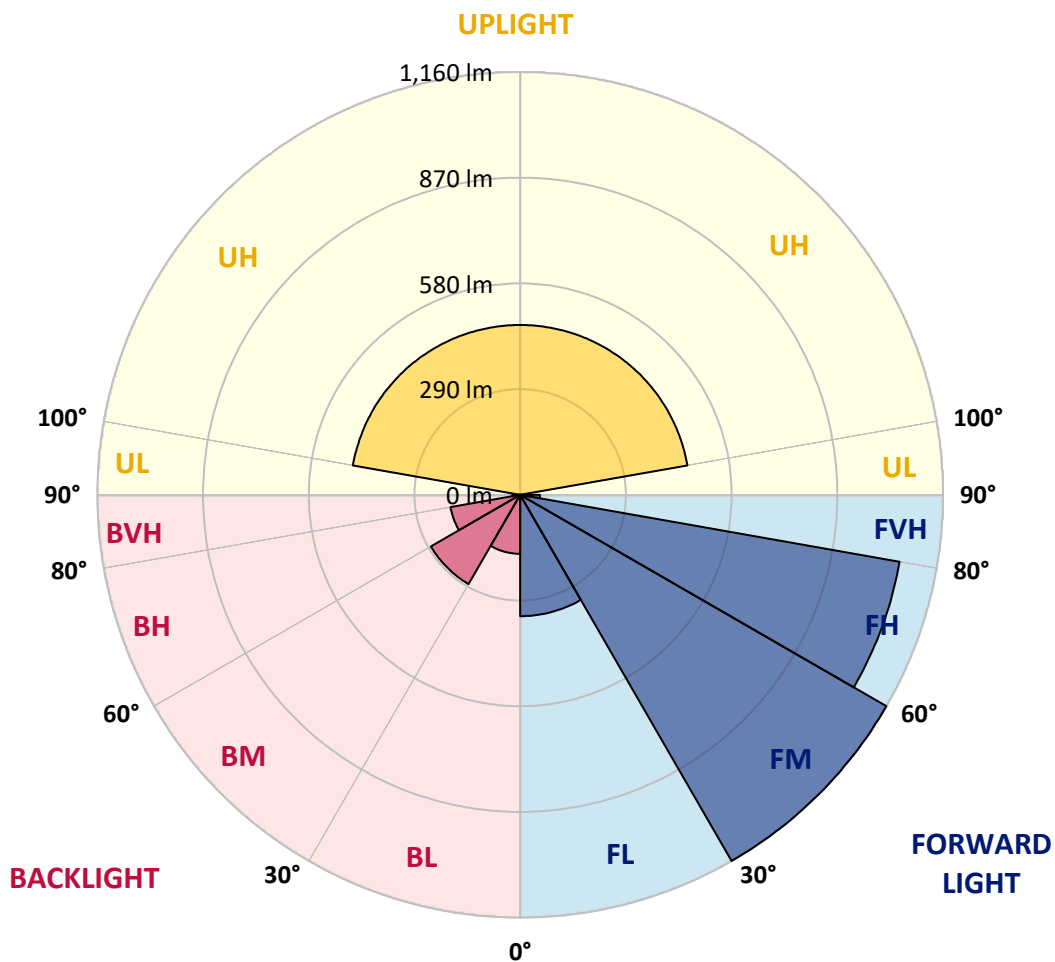
CATALOG NUMBER: ENV-SA1A-740-U-SLL-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	332.9	7.9			
FM (30°-60°)	1159.9	27.6			
FH (60°-80°)	1056.8	25.2			G1/1800
FVH (80°-90°)	54.2	1.3			G1/100
BL (0°-30°)	161.8	3.9	B1/500		
BM (30°-60°)	282.7	6.7	B1/1000		
BH (60°-80°)	193.9	4.6	B1/500		G1/500
BVH (80°-90°)	21.1	0.5			G1/100
UL (90°-100°)	4.5	0.1		U1/10	
UH (100°-180°)	465.9	11.1		U3/500	

BUG Rating: B1-U4-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3
5°	1106.9	1138.3	1167.4	1196.6	1222.0	1247.4	1265.8	1284.2	1289.4	1294.6	1287.3
10°	935.3	990.9	1040.2	1089.5	1133.1	1176.6	1206.5	1236.4	1248.7	1261.1	1250.8
15°	896.0	951.1	988.8	1026.6	1052.8	1079.0	1089.3	1099.5	1099.8	1100.0	1102.9
20°	1052.8	1101.6	1097.7	1093.7	1057.0	1020.3	1001.9	983.6	977.0	970.5	979.6
25°	1271.6	1316.7	1273.4	1230.1	1128.4	1026.6	975.7	924.8	919.8	914.9	924.3
30°	1451.0	1464.6	1394.1	1323.5	1202.6	1081.7	1010.9	940.0	927.2	914.3	932.4
35°	1605.7	1574.8	1478.8	1382.8	1260.0	1137.3	1058.3	979.4	964.2	949.0	985.4
40°	1809.8	1705.4	1566.9	1428.4	1312.0	1195.5	1139.1	1082.7	1077.2	1071.7	1107.9
45°	1948.8	1798.2	1625.1	1452.0	1390.1	1328.2	1335.3	1342.4	1351.6	1360.7	1388.5
50°	2021.2	1831.8	1682.0	1532.3	1567.4	1602.6	1662.9	1723.2	1753.4	1783.6	1769.4
55°	2211.1	2030.6	1890.3	1750.0	1826.0	1902.1	1998.1	2094.1	2101.4	2108.8	2086.0
60°	2407.8	2358.0	2223.9	2089.9	2140.5	2191.1	2276.7	2362.2	2362.9	2363.7	2323.6
65°	2235.2	2377.9	2398.6	2419.3	2381.0	2342.7	2389.7	2436.6	2422.7	2408.8	2382.4
70°	1966.6	2106.7	2248.1	2389.4	2167.8	1946.2	1895.0	1843.9	1838.4	1832.9	1822.4
75°	1029.7	1214.9	1306.7	1398.5	1208.4	1018.2	970.5	922.7	987.2	1051.8	1046.0
80°	328.4	367.7	423.1	478.4	421.2	364.1	396.6	429.1	462.4	495.7	535.1
85°	0.5	0.5	0.8	1.0	1.3	1.6	2.1	2.6	6.8	11.0	51.9
90°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	2.7	2.7	2.9	3.2	3.5	3.8	3.8	3.8	3.8	3.8	3.8
100°	4.3	4.3	4.6	4.8	5.1	5.4	5.9	6.5	8.9	11.3	13.4
105°	11.3	11.8	13.2	14.5	16.9	19.3	22.6	25.8	29.8	33.8	36.2
110°	35.4	36.5	38.1	39.7	43.2	46.7	50.7	54.7	58.0	61.2	62.8
115°	75.1	74.6	76.7	78.9	82.1	85.3	87.8	90.2	91.8	93.4	94.7
120°	120.8	119.7	120.5	121.3	123.2	125.0	126.1	127.2	128.8	130.4	131.2
125°	159.9	157.7	158.3	158.8	159.7	160.5	162.1	163.7	165.0	166.3	167.2
130°	194.8	193.7	194.0	194.2	195.4	196.4	197.5	198.6	199.1	199.6	201.0
135°	230.2	228.6	228.6	228.6	230.2	231.8	232.6	233.4	234.0	234.5	236.1
140°	261.9	260.2	260.8	261.3	261.9	262.4	263.0	263.5	265.1	266.7	267.5
145°	295.1	293.0	292.4	291.9	292.8	293.6	294.3	295.1	295.4	295.6	297.0
150°	319.3	317.7	317.9	318.2	318.2	318.2	318.2	318.2	318.2	318.2	319.3
155°	337.5	335.4	335.4	335.4	335.9	336.5	337.3	338.1	337.6	337.0	336.5
160°	355.8	354.1	353.9	353.6	352.8	352.0	351.8	351.5	351.5	351.5	352.3
165°	365.4	363.8	363.3	362.7	362.7	362.7	362.0	361.1	361.1	361.1	360.9
170°	374.5	373.0	372.2	371.3	371.3	371.3	371.6	371.9	371.3	370.8	369.5
175°	375.6	374.5	374.3	374.0	373.5	373.0	371.9	370.8	370.6	370.2	370.2
180°	375.6	375.6	375.6	375.6	375.6	375.6	375.6	375.6	375.6	375.6	375.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3
5°	1280.0	1270.8	1261.6	1242.2	1222.8	1197.1	1171.4	1146.7	1120.0	1099.5	1079.0
10°	1240.6	1216.0	1191.3	1141.2	1091.1	1041.0	990.9	947.4	902.3	862.9	823.6
15°	1105.8	1099.8	1093.7	1056.8	1019.8	966.0	912.2	858.7	803.6	748.8	694.0
20°	988.8	1021.3	1053.9	1065.1	1076.4	1046.3	1016.1	955.2	873.9	791.1	708.2
25°	933.7	996.7	1059.6	1132.6	1205.5	1214.9	1224.4	1155.1	1041.8	902.3	762.7
30°	950.5	1019.0	1087.4	1184.2	1281.0	1343.7	1406.4	1356.5	1212.3	1024.5	836.7
35°	1021.9	1086.1	1150.4	1243.0	1335.6	1436.0	1536.5	1497.7	1324.0	1110.5	897.0
40°	1144.1	1203.6	1263.2	1342.4	1421.6	1558.2	1694.9	1704.9	1463.0	1190.8	918.5
45°	1416.3	1405.3	1394.3	1435.0	1475.6	1624.6	1773.6	1831.3	1594.7	1262.6	930.6
50°	1755.2	1672.1	1588.9	1536.7	1484.5	1651.4	1818.2	1907.4	1716.4	1331.9	947.4
55°	2063.1	1931.2	1799.3	1708.5	1617.8	1794.3	1970.8	2116.7	1973.4	1503.7	1033.9
60°	2283.5	2163.6	2043.7	1960.6	1877.4	2065.2	2253.0	2390.5	2291.9	1714.3	1136.8
65°	2355.9	2312.3	2268.8	2306.3	2343.8	2466.3	2588.8	2454.0	2182.2	1631.2	1080.1
70°	1811.9	1883.5	1955.1	2234.4	2513.8	2508.2	2502.7	2244.7	1764.7	1263.2	761.7
75°	1040.2	1162.2	1284.2	1614.4	1944.6	1859.9	1775.2	1461.5	1150.4	791.8	433.3
80°	574.4	589.4	604.3	816.0	1027.6	927.4	827.3	681.9	584.9	384.8	184.6
85°	92.8	107.8	122.8	203.0	283.3	258.1	232.9	198.3	264.4	156.1	47.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	3.8	4.0	4.3	4.0	3.8	3.8	3.8	3.8	3.8	3.8	3.8
100°	15.6	14.7	14.0	13.2	12.3	11.3	10.2	10.2	10.2	11.3	12.3
105°	38.7	38.1	37.6	36.2	34.9	33.8	32.7	32.7	32.7	33.8	34.9
110°	64.4	64.7	64.9	64.4	63.8	63.1	62.3	62.8	62.3	63.1	63.8
115°	96.0	96.8	97.7	96.8	96.0	95.5	95.0	95.5	95.0	95.5	96.0
120°	132.0	133.1	134.1	132.8	131.5	130.9	130.4	130.4	130.4	130.9	131.5
125°	168.0	168.5	169.0	167.7	166.3	166.3	166.3	166.3	166.3	166.3	166.3
130°	202.3	203.4	204.4	204.4	204.4	203.9	203.4	203.9	203.4	203.9	204.4
135°	237.7	239.0	240.4	240.1	239.9	240.7	241.5	242.0	241.5	240.7	239.9
140°	268.3	268.8	269.4	269.9	270.5	271.8	273.1	274.2	273.1	271.8	270.5
145°	298.4	300.0	301.6	301.3	301.1	300.2	299.4	300.5	299.4	300.3	301.1
150°	320.4	321.1	322.0	322.8	323.6	324.4	325.2	327.3	325.2	324.4	323.6
155°	335.9	337.2	338.6	339.9	341.3	341.8	342.3	344.0	342.3	341.8	341.3
160°	353.1	354.7	356.3	355.5	354.7	354.5	354.1	357.4	354.1	354.5	354.7
165°	360.6	362.0	363.3	364.1	364.9	364.4	363.8	366.0	363.8	364.4	364.9
170°	368.1	368.9	369.7	371.1	372.4	373.0	373.5	376.2	373.5	373.0	372.4
175°	370.2	371.6	373.0	373.2	373.5	373.0	372.4	375.1	372.4	373.0	373.5
180°	375.6	375.6	375.6	375.6	375.6	375.6	375.6	375.6	375.6	375.6	375.6



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3
5°	1055.4	1031.8	1009.3	986.7	966.5	946.3	942.4	938.5	926.7	914.9	911.4
10°	782.7	741.7	706.3	670.9	645.2	619.5	597.0	574.4	562.9	551.3	535.3
15°	646.3	598.5	572.3	546.1	528.0	509.9	489.7	469.5	448.8	428.1	406.3
20°	635.5	562.9	519.6	476.3	440.4	404.4	369.0	333.6	308.4	283.3	257.0
25°	643.4	524.0	455.6	387.1	326.8	266.5	224.8	183.1	168.1	153.2	147.1
30°	657.0	477.4	386.3	295.3	229.0	162.6	147.4	132.2	127.5	122.8	119.9
35°	667.5	438.0	334.7	231.3	184.1	136.9	126.4	115.9	111.7	107.5	104.7
40°	664.6	410.7	312.6	214.6	167.1	119.6	112.8	106.0	101.2	96.5	94.2
45°	661.5	392.4	291.7	190.9	155.0	119.1	108.8	98.6	94.2	89.7	86.3
50°	662.3	377.2	276.2	175.2	140.6	106.0	106.0	106.0	95.5	85.0	80.5
55°	692.2	350.4	255.2	160.0	124.8	89.7	95.7	101.8	93.9	86.0	78.4
60°	729.2	321.6	222.4	123.3	100.5	77.6	78.7	79.7	80.3	80.8	72.7
65°	675.1	270.2	183.3	96.5	82.6	68.7	67.1	65.6	69.2	72.9	66.1
70°	486.3	210.9	155.3	99.7	80.0	60.3	58.8	57.2	56.4	55.6	54.3
75°	311.1	188.8	145.6	102.3	77.4	52.5	50.4	48.3	47.7	47.2	46.2
80°	152.1	119.6	94.4	69.2	55.6	42.0	39.9	37.8	37.8	37.8	37.0
85°	45.1	42.5	38.8	35.1	31.2	27.3	27.3	27.3	27.5	27.8	27.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	4.0	4.3	4.0	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.5
100°	13.2	14.0	14.8	15.6	13.4	11.3	8.9	6.5	5.9	5.4	5.1
105°	36.2	37.6	38.1	38.7	36.2	33.8	29.8	25.8	22.6	19.3	16.9
110°	64.4	64.9	64.7	64.4	62.8	61.2	58.0	54.7	50.7	46.7	43.2
115°	96.9	97.7	96.9	96.0	94.7	93.4	91.8	90.2	87.8	85.3	82.1
120°	132.8	134.1	133.1	132.0	131.2	130.4	128.8	127.2	126.1	125.0	123.2
125°	167.7	169.0	168.5	168.0	167.2	166.3	165.0	163.7	162.1	160.5	159.7
130°	204.4	204.4	203.4	202.3	201.0	199.6	199.1	198.6	197.5	196.4	195.4
135°	240.1	240.4	239.1	237.7	236.1	234.5	234.0	233.4	232.6	231.8	230.2
140°	269.9	269.4	268.8	268.3	267.5	266.7	265.1	263.5	263.0	262.4	261.9
145°	301.3	301.6	300.0	298.4	297.0	295.6	295.4	295.1	294.3	293.6	292.8
150°	322.8	322.0	321.2	320.4	319.3	318.2	318.2	318.2	318.2	318.2	318.2
155°	340.0	338.6	337.3	335.9	336.5	337.0	337.6	338.1	337.3	336.5	335.9
160°	355.5	356.3	354.7	353.1	352.3	351.5	351.5	351.5	351.8	352.0	352.8
165°	364.1	363.3	362.0	360.6	360.9	361.1	361.1	361.1	362.0	362.7	362.7
170°	371.1	369.7	368.9	368.1	369.5	370.8	371.3	371.9	371.6	371.3	371.3
175°	373.2	373.0	371.6	370.2	370.2	370.2	370.6	370.8	371.9	373.0	373.5
180°	375.6	375.6	375.6	375.6	375.6	375.6	375.6	375.6	375.6	375.6	375.6



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3
5°	908.0	904.6	901.2	882.3	886.5	878.7	870.8	870.5	870.3	861.6	853.0
10°	519.3	507.8	496.2	493.1	493.1	498.6	504.1	512.5	520.9	529.0	537.2
15°	384.5	368.3	352.0	339.4	324.7	313.7	302.7	297.7	292.7	289.3	285.9
20°	230.8	219.3	207.7	197.2	193.0	192.0	190.9	188.8	186.7	183.6	180.5
25°	141.1	138.5	135.9	135.9	134.8	135.3	135.9	136.9	138.0	139.3	140.6
30°	117.0	116.2	115.4	115.4	115.4	115.4	115.4	116.5	117.5	119.1	120.7
35°	101.8	100.5	99.1	99.1	99.7	100.7	101.8	102.6	103.3	103.6	103.9
40°	91.8	90.0	88.1	88.1	87.6	87.6	87.6	88.7	89.7	90.8	91.8
45°	82.9	81.3	79.7	79.2	78.7	78.4	78.2	77.4	76.6	77.4	78.2
50°	76.1	74.2	72.4	71.9	70.8	70.3	69.8	69.0	68.2	67.9	67.7
55°	70.8	69.0	67.1	65.6	64.5	64.0	63.5	62.9	62.4	61.9	61.4
60°	64.5	62.7	60.9	60.3	59.3	58.8	58.2	58.0	57.7	57.2	56.7
65°	59.3	56.9	54.6	54.0	53.5	53.2	53.0	52.7	52.5	52.2	51.9
70°	53.0	51.1	49.3	48.3	47.7	47.7	47.7	47.2	46.7	46.4	46.2
75°	45.1	43.5	42.0	41.4	41.4	41.2	40.9	40.7	40.4	40.1	39.9
80°	36.2	34.6	33.0	33.0	33.0	32.8	32.5	32.3	32.0	32.5	33.0
85°	26.2	24.9	23.6	23.1	23.1	23.6	24.1	23.6	23.1	23.6	24.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	3.2	2.9	2.7	2.7	2.7	2.9	3.2	3.5	3.8	3.8	3.8
100°	4.8	4.6	4.3	4.3	4.3	4.6	4.8	5.1	5.4	5.9	6.5
105°	14.5	13.2	11.8	11.3	11.8	13.2	14.5	16.9	19.3	22.6	25.8
110°	39.7	38.1	36.5	35.4	36.5	38.1	39.7	43.2	46.7	50.7	54.7
115°	78.9	76.7	74.6	75.1	74.6	76.7	78.9	82.1	85.3	87.8	90.2
120°	121.3	120.5	119.7	120.8	119.7	120.5	121.3	123.2	125.0	126.1	127.2
125°	158.8	158.3	157.7	159.9	157.7	158.3	158.8	159.7	160.5	162.1	163.7
130°	194.2	194.0	193.7	194.8	193.7	194.0	194.2	195.4	196.4	197.5	198.6
135°	228.6	228.6	228.6	230.2	228.6	228.6	228.6	230.2	231.8	232.6	233.4
140°	261.3	260.8	260.2	261.9	260.2	260.8	261.3	261.9	262.4	263.0	263.5
145°	291.9	292.4	293.0	295.1	293.0	292.4	291.9	292.8	293.6	294.3	295.1
150°	318.2	317.9	317.7	319.3	317.7	317.9	318.2	318.2	318.2	318.2	318.2
155°	335.4	335.4	335.4	337.5	335.4	335.4	335.4	335.9	336.5	337.3	338.1
160°	353.6	353.9	354.1	355.8	354.1	353.9	353.6	352.8	352.0	351.8	351.5
165°	362.7	363.3	363.8	365.4	363.8	363.3	362.7	362.7	362.7	362.0	361.1
170°	371.3	372.2	373.0	374.5	373.0	372.2	371.3	371.3	371.3	371.6	371.9
175°	374.0	374.3	374.5	375.6	374.5	374.3	374.0	373.5	373.0	371.9	370.8
180°	375.6	375.6	375.6	375.6	375.6	375.6	375.6	375.6	375.6	375.6	375.6



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3
5°	843.3	833.5	831.2	828.8	820.4	812.0	808.9	805.7	804.4	803.1	797.4
10°	530.9	524.6	508.0	491.5	483.9	476.3	465.3	454.3	453.0	451.7	450.1
15°	287.5	289.0	284.8	280.6	282.2	283.8	282.2	280.6	282.5	284.3	288.0
20°	181.0	181.5	180.2	178.9	178.1	177.3	172.8	168.4	166.6	164.7	167.3
25°	141.4	142.2	139.0	135.9	131.4	126.9	124.6	122.2	122.0	121.7	122.8
30°	121.4	122.2	118.8	115.4	112.3	109.1	107.0	104.9	103.6	102.3	100.7
35°	104.9	106.0	103.6	101.2	98.6	96.0	93.1	90.2	88.1	86.0	84.5
40°	92.8	93.9	91.0	88.1	84.7	81.3	79.7	78.2	77.4	76.6	75.5
45°	80.8	83.4	78.9	74.5	72.7	70.8	70.0	69.2	69.0	68.7	68.7
50°	68.2	68.7	67.1	65.6	64.3	62.9	62.4	61.9	61.9	61.9	61.9
55°	61.9	62.4	61.1	59.8	58.8	57.7	57.2	56.7	56.7	56.7	57.7
60°	57.4	58.2	56.9	55.6	54.6	53.5	53.2	53.0	53.0	53.0	52.5
65°	52.5	53.0	51.7	50.4	49.6	48.8	48.5	48.3	47.7	47.2	46.7
70°	47.2	48.3	46.2	44.1	43.5	43.0	42.8	42.5	42.0	41.4	40.9
75°	41.4	43.0	40.4	37.8	37.0	36.2	35.7	35.1	34.4	33.6	33.0
80°	33.0	33.0	31.2	29.4	28.1	26.8	26.2	25.7	24.9	24.1	23.1
85°	22.3	20.5	20.5	20.5	18.1	15.7	13.9	12.1	10.2	8.4	6.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	3.8	3.8	3.8	3.8	4.0	4.3	4.0	3.8	3.8	3.8	3.8
100°	8.9	11.3	13.4	15.6	14.8	14.0	13.2	12.3	11.3	10.2	10.2
105°	29.8	33.8	36.2	38.7	38.1	37.6	36.2	34.9	33.8	32.7	32.7
110°	58.0	61.2	62.8	64.4	64.7	64.9	64.4	63.8	63.1	62.3	62.8
115°	91.8	93.4	94.7	96.0	96.9	97.7	96.9	96.0	95.5	95.0	95.5
120°	128.8	130.4	131.2	132.0	133.1	134.1	132.8	131.5	130.9	130.4	130.4
125°	165.0	166.3	167.2	168.0	168.5	169.0	167.7	166.3	166.3	166.3	166.3
130°	199.1	199.6	201.0	202.3	203.4	204.4	204.4	204.4	203.9	203.4	203.9
135°	234.0	234.5	236.1	237.7	239.1	240.4	240.1	239.9	240.7	241.5	242.0
140°	265.1	266.7	267.5	268.3	268.8	269.4	269.9	270.5	271.8	273.1	274.2
145°	295.4	295.6	297.0	298.4	300.0	301.6	301.3	301.1	300.3	299.4	300.5
150°	318.2	318.2	319.3	320.4	321.2	322.0	322.8	323.6	324.4	325.2	327.3
155°	337.6	337.0	336.5	335.9	337.3	338.6	340.0	341.3	341.8	342.3	344.0
160°	351.5	351.5	352.3	353.1	354.7	356.3	355.5	354.7	354.5	354.1	357.4
165°	361.1	361.1	360.9	360.6	362.0	363.3	364.1	364.9	364.4	363.8	366.0
170°	371.3	370.8	369.5	368.1	368.9	369.7	371.1	372.4	373.0	373.5	376.2
175°	370.6	370.2	370.2	370.2	371.6	373.0	373.2	373.5	373.0	372.4	375.1
180°	375.6	375.6	375.6	375.6	375.6	375.6	375.6	375.6	375.6	375.6	375.6



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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	0°
5°	818.3	813.4	808.4	818.3	828.3	837.5	846.7	869.2	891.8	903.3	914.9	5°
10°	460.6	472.9	485.2	498.9	512.5	533.8	555.0	577.0	599.1	623.5	647.8	10°
15°	300.6	318.4	336.3	360.6	385.0	410.5	435.9	461.1	486.3	510.4	534.5	15°
20°	175.7	182.8	189.9	209.3	228.7	254.9	281.2	318.7	356.2	397.9	439.6	20°
25°	122.8	124.3	125.9	129.6	133.2	145.6	157.9	193.6	229.2	289.8	350.4	25°
30°	100.2	100.5	100.7	103.3	106.0	111.2	116.5	135.3	154.2	219.8	285.4	30°
35°	84.5	85.5	86.6	89.2	91.8	96.5	101.2	113.8	126.4	180.2	234.0	35°
40°	76.1	76.9	77.6	79.7	81.8	85.8	89.7	97.0	104.4	149.2	194.1	40°
45°	68.7	69.8	70.8	73.4	76.1	80.0	83.9	93.4	102.8	128.3	153.7	45°
50°	62.9	64.3	65.6	69.5	73.4	83.9	94.4	93.4	92.3	120.9	149.5	50°
55°	58.8	60.1	61.4	67.9	74.5	78.9	83.4	79.5	75.5	109.4	143.2	55°
60°	52.5	54.6	56.7	66.6	76.6	70.8	65.0	65.0	65.0	87.6	110.2	60°
65°	47.2	49.0	50.9	55.1	59.3	56.4	53.5	54.8	56.1	74.2	92.3	65°
70°	40.9	42.0	43.0	43.3	43.5	44.1	44.6	46.9	49.3	66.6	83.9	70°
75°	32.5	33.3	34.1	34.4	34.6	34.4	34.1	36.5	38.8	53.8	68.7	75°
80°	22.6	23.1	23.6	22.6	21.5	19.7	17.8	18.1	18.4	22.0	25.7	80°
85°	6.3	4.7	3.1	2.1	1.0	0.5	0.0	0.0	0.0	0.0	0.0	85°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°
95°	3.8	3.8	3.8	4.0	4.3	4.0	3.8	3.8	3.8	3.8	3.8	95°
100°	10.2	11.3	12.3	13.2	14.0	14.7	15.6	13.4	11.3	8.9	6.5	100°
105°	32.7	33.8	34.9	36.2	37.6	38.1	38.7	36.2	33.8	29.8	25.8	105°
110°	62.3	63.1	63.8	64.4	64.9	64.7	64.4	62.8	61.2	58.0	54.7	110°
115°	95.0	95.5	96.0	96.8	97.7	96.8	96.0	94.7	93.4	91.8	90.2	115°
120°	130.4	130.9	131.5	132.8	134.1	133.1	132.0	131.2	130.4	128.8	127.2	120°
125°	166.3	166.3	166.3	167.7	169.0	168.5	168.0	167.2	166.3	165.0	163.7	125°
130°	203.4	203.9	204.4	204.4	204.4	203.4	202.3	201.0	199.6	199.1	198.6	130°
135°	241.5	240.7	239.9	240.1	240.4	239.0	237.7	236.1	234.5	234.0	233.4	135°
140°	273.1	271.8	270.5	269.9	269.4	268.8	268.3	267.5	266.7	265.1	263.5	140°
145°	299.4	300.2	301.1	301.3	301.6	300.0	298.4	297.0	295.6	295.4	295.1	145°
150°	325.2	324.4	323.6	322.8	322.0	321.1	320.4	319.3	318.2	318.2	318.2	150°
155°	342.3	341.8	341.3	339.9	338.6	337.2	335.9	336.5	337.0	337.6	338.1	155°
160°	354.1	354.5	354.7	355.5	356.3	354.7	353.1	352.3	351.5	351.5	351.5	160°
165°	363.8	364.4	364.9	364.1	363.3	362.0	360.6	360.9	361.1	361.1	361.1	165°
170°	373.5	373.0	372.4	371.1	369.7	368.9	368.1	369.5	370.8	371.3	371.9	170°
175°	372.4	373.0	373.5	373.2	373.0	371.6	370.2	370.2	370.2	370.6	370.8	175°
180°	375.6	375.6	375.6	375.6	375.6	375.6	375.6	375.6	375.6	375.6	375.6	180°



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DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3
941.9	968.9	988.6	1008.2	1039.7	1071.2	1106.9
688.5	729.2	766.4	803.6	842.5	881.3	935.3
568.4	602.2	651.8	701.4	765.1	828.8	896.0
493.6	547.7	635.0	722.3	831.4	940.6	1052.8
428.1	505.7	640.8	775.8	949.7	1123.6	1271.6
370.6	455.9	650.5	845.1	1078.0	1310.9	1451.0
326.3	418.6	644.2	869.7	1156.2	1442.6	1605.7
285.6	377.2	633.2	889.2	1250.6	1612.0	1809.8
247.9	342.0	617.4	892.8	1316.9	1741.1	1948.8
234.7	320.0	620.3	920.6	1393.0	1865.4	2021.2
230.8	318.4	666.5	1014.5	1566.6	2118.8	2211.1
213.2	316.3	729.2	1142.0	1690.2	2238.4	2407.8
187.0	281.7	704.2	1126.8	1536.2	1945.6	2235.2
147.1	210.4	511.2	812.0	1194.2	1576.3	1966.6
102.3	135.9	238.7	341.5	565.8	790.0	1029.7
37.5	49.3	66.4	83.4	179.4	275.4	328.4
0.0	0.0	0.0	0.0	0.0	0.0	0.5
0.0	0.0	0.0	0.0	0.0	0.0	0.1
3.8	3.8	3.5	3.2	2.9	2.7	2.7
5.9	5.4	5.1	4.8	4.6	4.3	4.3
22.6	19.3	16.9	14.5	13.2	11.8	11.3
50.7	46.7	43.2	39.7	38.1	36.5	35.4
87.8	85.3	82.1	78.9	76.7	74.6	75.1
126.1	125.0	123.2	121.3	120.5	119.7	120.8
162.1	160.5	159.7	158.8	158.3	157.7	159.9
197.5	196.4	195.4	194.2	194.0	193.7	194.8
232.6	231.8	230.2	228.6	228.6	228.6	230.2
263.0	262.4	261.9	261.3	260.8	260.2	261.9
294.3	293.6	292.8	291.9	292.4	293.0	295.1
318.2	318.2	318.2	318.2	317.9	317.7	319.3
337.3	336.5	335.9	335.4	335.4	335.4	337.5
351.8	352.0	352.8	353.6	353.9	354.1	355.8
362.0	362.7	362.7	362.7	363.3	363.8	365.4
371.6	371.3	371.3	371.3	372.2	373.0	374.5
371.9	373.0	373.5	374.0	374.3	374.5	375.6
375.6	375.6	375.6	375.6	375.6	375.6	375.6

(END OF REPORT)