

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: P400957

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

Issue Date: 5/20/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P400957  
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-HSS-ULG  
Description: ENTRI LED LUMINAIRE WITH UPLIGHT  
(1) 70 CRI, 4000K, 350mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3833 lumens  
Efficiency: N/A  
Efficacy: 104.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - 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

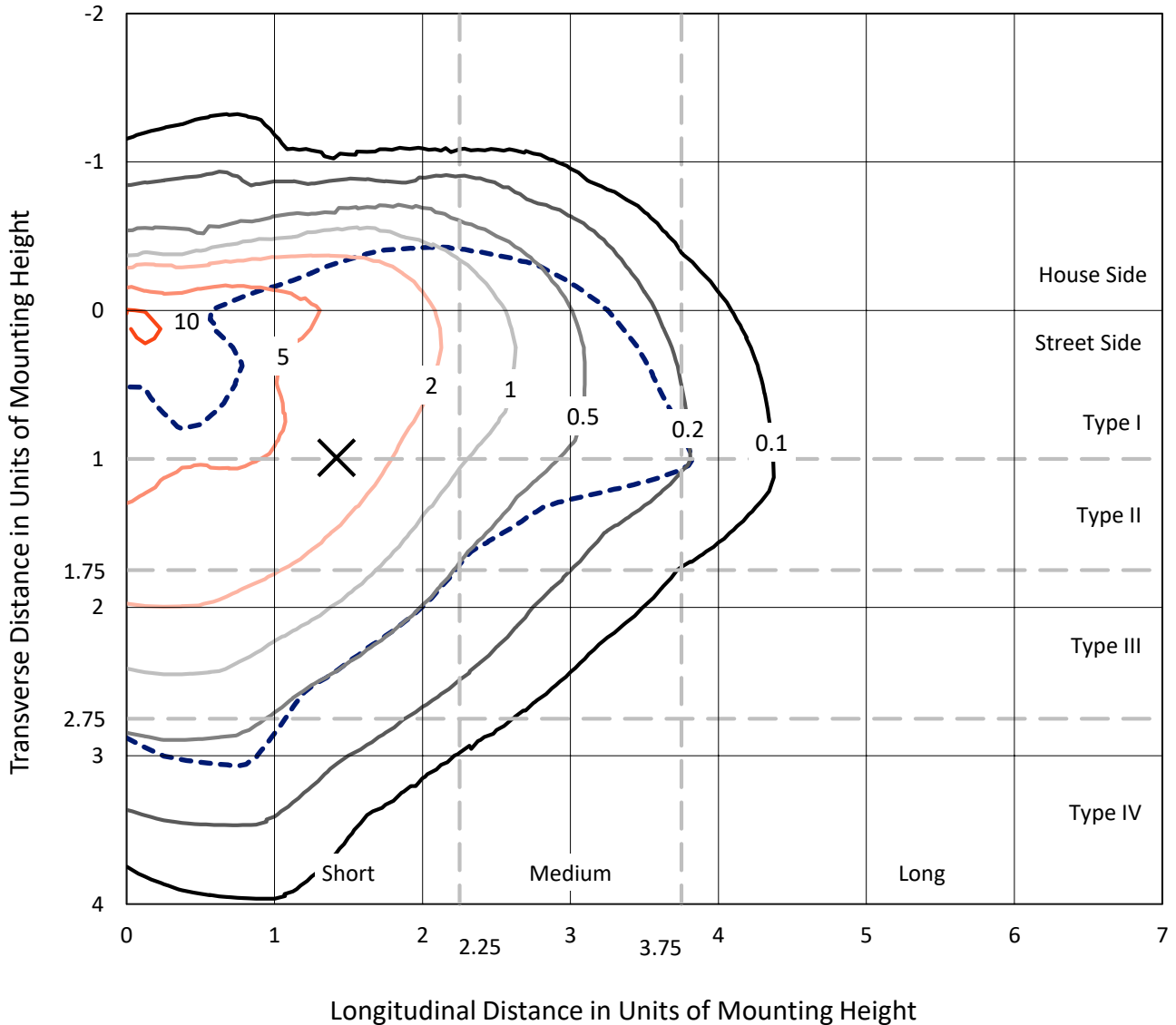


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### Iso-Footcandle Lines of Horizontal Illumination

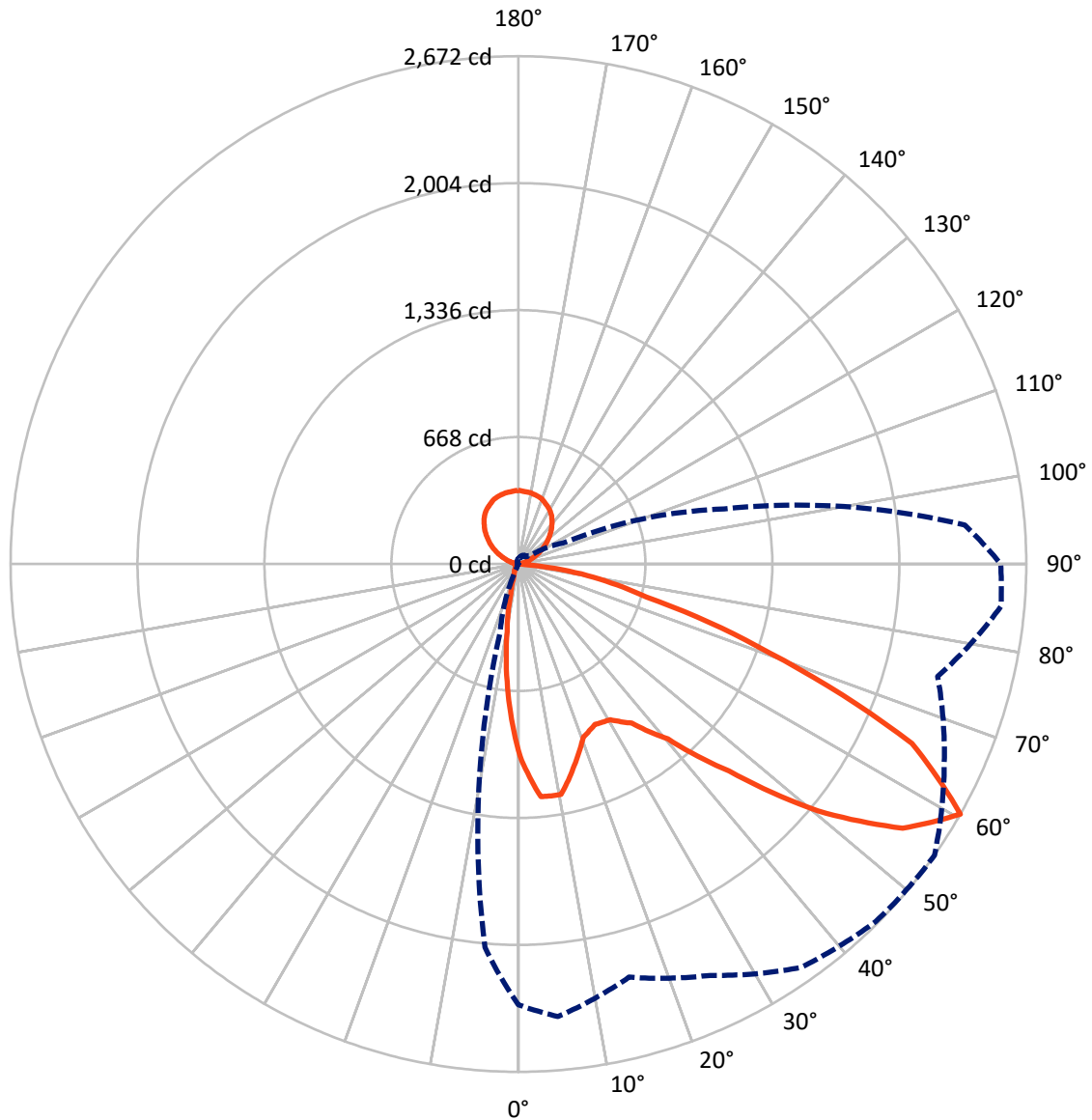
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral      - - - Horizontal Cone Through 60-Deg Vertical

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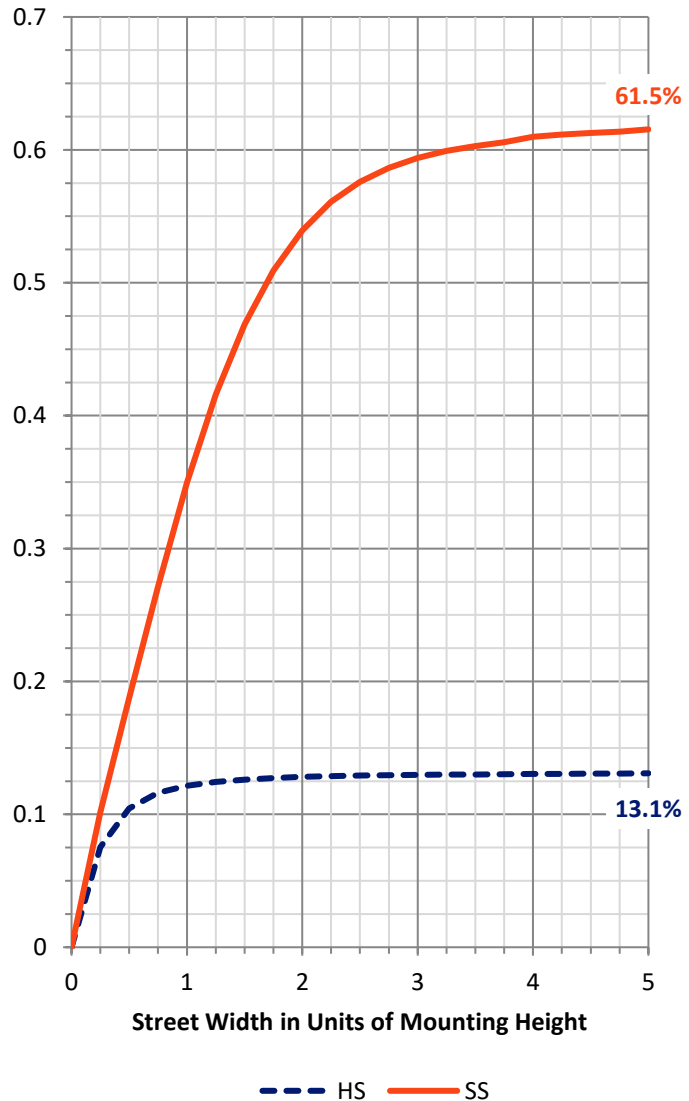
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	509.4	481.5	990.9
	% Fixture	13.3	12.6	25.9
<b>Street Side</b>	Lumens	2360.7	481.5	2842.1
	% Fixture	61.6	12.6	74.1
<b>Total</b>	Lumens	2870.1	962.9	3833.0
	% Fixture	74.9	25.1	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.4	2.0
10°-20°	146.9	3.8
20°-30°	207.3	5.4
30°-40°	303.7	7.9
40°-50°	447.6	11.7
50°-60°	659.6	17.2
60°-70°	697.8	18.2
70°-80°	299.3	7.8
80°-90°	30.5	0.8
90°-100°	4.7	0.1
100°-110°	32.5	0.8
110°-120°	92.5	2.4
120°-130°	151.6	4.0
130°-140°	186.8	4.9
140°-150°	191.0	5.0
150°-160°	161.0	4.2
160°-170°	106.0	2.8
170°-180°	36.7	1.0
0°-90°	2870.1	74.9
0°-180°	3833.0	100.0



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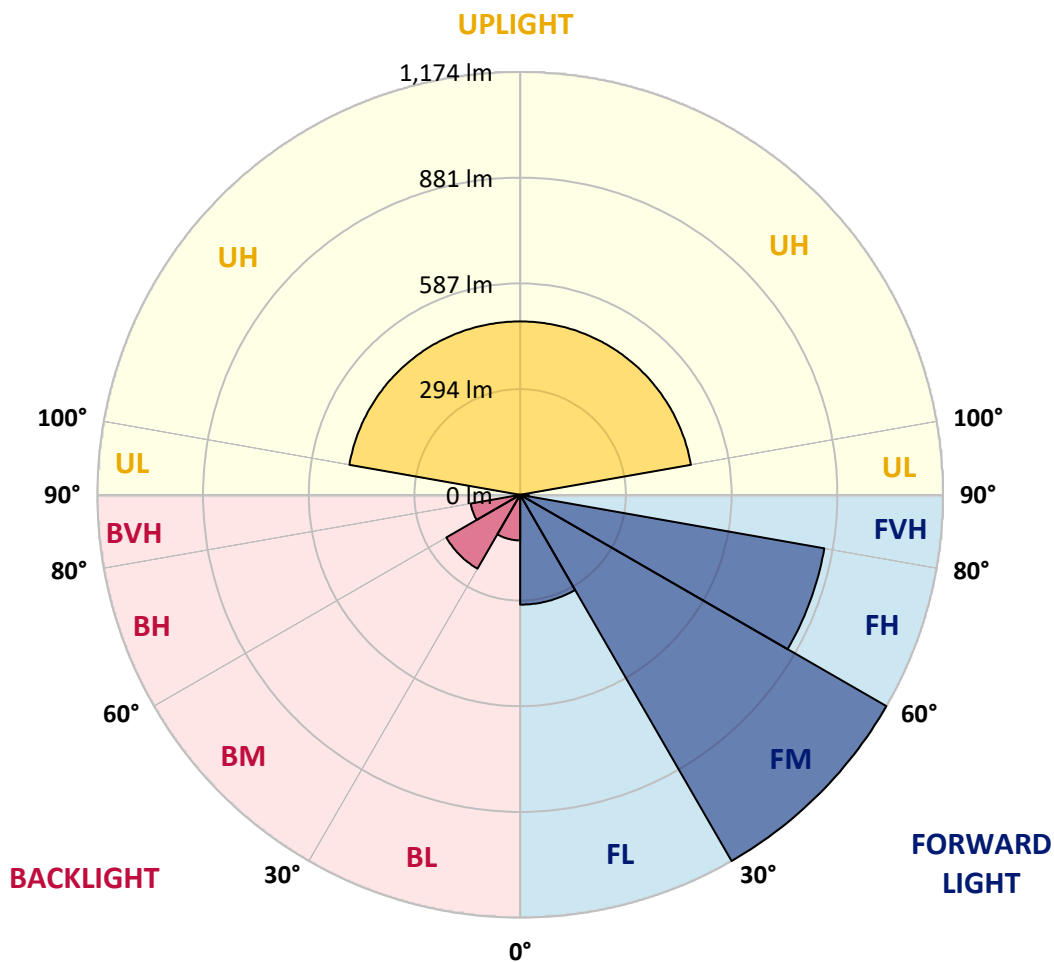
CATALOG NUMBER: ENV-SA1A-740-U-SLL-HSS-ULG

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	305.0	8.0			
FM	(30°-60°)	1174.1	30.6			
FH	(60°-80°)	857.6	22.4			G1/1800
FVH	(80°-90°)	24.0	0.6			G1/100
BL	(0°-30°)	126.6	3.3	B1/500		
BM	(30°-60°)	236.7	6.2	B1/1000		
BH	(60°-80°)	139.5	3.6	B1/500		G1/500
BVH	(80°-90°)	6.6	0.2			G0/10
UL	(90°-100°)	4.7	0.1		U1/10	
UH	(100°-180°)	481.5	12.6		U3/500	

**BUG Rating: B1-U4-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1012.7	1012.7	1012.7	1012.7	1012.7	1012.7	1012.7	1012.7	1012.7	1012.7	1012.7
5°	1026.8	1055.6	1090.0	1124.4	1152.6	1180.8	1201.9	1223.1	1233.4	1243.7	1236.6
10°	871.2	930.9	985.9	1040.9	1093.2	1145.6	1185.7	1225.8	1239.6	1253.4	1243.4
15°	833.3	906.5	951.7	997.0	1028.7	1060.4	1073.4	1086.5	1089.4	1092.4	1096.2
20°	988.3	1066.9	1067.5	1068.0	1034.1	1000.3	981.3	962.3	957.4	952.6	962.9
25°	1252.9	1304.4	1272.1	1239.9	1136.9	1033.9	978.3	922.7	918.9	915.1	924.9
30°	1434.5	1455.7	1398.2	1340.7	1217.4	1094.1	1016.5	939.0	927.6	916.2	933.3
35°	1619.4	1592.3	1508.3	1424.2	1296.8	1169.4	1082.1	994.8	973.7	952.6	990.2
40°	1850.9	1762.5	1639.5	1516.4	1393.6	1270.8	1207.9	1145.0	1143.7	1142.3	1176.2
45°	2039.6	1910.5	1754.7	1598.8	1540.5	1482.2	1487.9	1493.6	1524.5	1555.4	1554.1
50°	2121.4	1983.2	1867.4	1751.7	1796.9	1842.2	1930.9	2019.5	2066.4	2113.3	2077.5
55°	2286.8	2183.8	2073.7	1963.7	2050.9	2138.2	2284.1	2429.9	2477.3	2524.8	2489.3
60°	2319.3	2389.8	2319.8	2249.9	2318.8	2387.6	2489.3	2590.9	2625.1	2659.2	2665.5
65°	2067.2	2183.2	2295.4	2407.7	2350.2	2292.7	2286.8	2280.8	2261.8	2242.9	2259.1
70°	1475.7	1627.0	1681.7	1736.5	1573.6	1410.7	1393.0	1375.4	1390.1	1404.7	1402.8
75°	587.7	728.1	830.0	931.9	768.2	604.5	581.5	558.4	591.5	624.6	660.1
80°	170.2	204.9	218.2	231.5	218.2	204.9	237.5	270.0	291.7	313.4	341.0
85°	0.0	0.5	0.8	1.1	1.4	1.6	1.6	1.6	2.2	2.7	16.5
90°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	2.8	2.8	3.0	3.3	3.6	3.9	3.9	3.9	3.9	3.9	3.9
100°	4.4	4.4	4.7	5.0	5.3	5.5	6.1	6.7	9.2	11.7	13.9
105°	11.7	12.2	13.6	15.0	17.5	20.0	23.3	26.6	30.8	34.9	37.5
110°	36.6	37.7	39.4	41.0	44.7	48.3	52.4	56.5	59.9	63.2	64.9
115°	77.6	77.1	79.3	81.5	84.8	88.2	90.7	93.2	94.9	96.5	97.9
120°	124.8	123.7	124.5	125.3	127.3	129.2	130.3	131.4	133.1	134.8	135.6
125°	165.2	163.0	163.6	164.2	165.0	165.8	167.5	169.1	170.6	171.9	172.8
130°	201.3	200.2	200.5	200.8	201.9	203.0	204.1	205.2	205.7	206.3	207.7
135°	237.9	236.3	236.3	236.3	237.9	239.6	240.4	241.3	241.8	242.3	244.0
140°	270.6	269.0	269.6	270.1	270.6	271.2	271.8	272.3	274.0	275.6	276.5
145°	305.0	302.8	302.2	301.7	302.6	303.4	304.2	305.0	305.3	305.6	307.0
150°	330.0	328.3	328.6	328.9	328.9	328.9	328.9	328.9	328.9	328.9	330.0
155°	348.8	346.6	346.6	346.6	347.2	347.7	348.6	349.4	348.9	348.3	347.7
160°	367.7	366.0	365.7	365.5	364.6	363.8	363.6	363.2	363.2	363.2	364.1
165°	377.7	376.0	375.5	374.9	374.9	374.9	374.1	373.2	373.2	373.2	372.9
170°	387.1	385.5	384.7	383.8	383.8	383.8	384.1	384.3	383.8	383.2	381.8
175°	388.2	387.1	386.8	386.6	386.0	385.5	384.4	383.2	383.0	382.6	382.6
180°	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1012.7	1012.7	1012.7	1012.7	1012.7	1012.7	1012.7	1012.7	1012.7	1012.7	1012.7
5°	1229.6	1218.7	1207.9	1186.5	1165.1	1139.0	1113.0	1087.0	1062.6	1037.4	1012.2
10°	1233.4	1199.8	1166.2	1110.3	1054.5	999.7	945.0	897.8	849.0	805.9	762.8
15°	1100.0	1090.0	1080.0	1033.3	986.7	929.5	872.3	813.8	753.0	695.6	638.1
20°	973.2	1005.4	1037.7	1041.7	1045.8	1016.0	986.2	914.6	820.3	733.5	646.8
25°	934.7	996.2	1057.7	1123.3	1188.9	1196.5	1204.1	1137.4	1017.6	862.3	707.0
30°	950.4	1018.7	1087.0	1180.0	1273.0	1335.8	1398.7	1349.9	1206.8	998.9	791.0
35°	1027.9	1090.3	1152.6	1250.2	1347.8	1442.4	1537.0	1508.3	1333.1	1087.8	842.5
40°	1210.1	1253.2	1296.3	1383.3	1470.3	1609.9	1749.5	1749.0	1487.6	1173.2	858.8
45°	1552.7	1529.1	1505.5	1532.9	1560.3	1715.9	1871.5	1915.4	1642.2	1250.7	859.3
50°	2041.7	1910.5	1779.3	1714.8	1650.3	1834.6	2019.0	2084.6	1841.1	1374.1	907.0
55°	2453.8	2268.3	2082.9	1987.0	1891.0	2065.6	2240.1	2359.4	2161.0	1605.3	1049.6
60°	2671.7	2571.7	2471.6	2377.3	2283.0	2415.8	2548.6	2537.2	2357.3	1738.7	1120.1
65°	2275.4	2318.5	2361.6	2486.8	2612.1	2631.3	2650.6	2446.7	2080.8	1500.9	921.1
70°	1400.9	1525.3	1649.8	1938.4	2227.1	2206.3	2185.4	1933.8	1477.3	1022.2	567.1
75°	695.6	796.4	897.3	1196.0	1494.7	1315.2	1135.8	888.6	635.4	458.9	282.5
80°	368.7	373.8	379.0	450.3	521.5	441.8	362.2	310.6	277.6	168.6	59.6
85°	30.4	43.1	55.8	34.2	12.5	17.6	22.8	7.6	20.1	16.8	13.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	3.9	4.2	4.4	4.2	3.9	3.9	3.9	3.9	3.9	3.9	3.9
100°	16.1	15.2	14.4	13.6	12.7	11.7	10.5	10.5	10.5	11.7	12.7
105°	40.0	39.4	38.8	37.4	36.1	34.9	33.8	33.8	33.8	35.0	36.1
110°	66.6	66.8	67.1	66.6	66.0	65.2	64.4	64.9	64.4	65.2	66.0
115°	99.3	100.1	100.9	100.1	99.3	98.7	98.2	98.7	98.2	98.7	99.3
120°	136.4	137.5	138.6	137.3	135.9	135.3	134.8	134.8	134.8	135.3	135.9
125°	173.6	174.1	174.7	173.3	171.9	171.9	171.9	171.9	171.9	171.9	171.9
130°	209.1	210.2	211.3	211.3	211.3	210.7	210.2	210.7	210.2	210.7	211.3
135°	245.7	247.1	248.5	248.2	247.9	248.7	249.5	250.1	249.5	248.7	247.9
140°	277.3	277.8	278.4	278.9	279.5	280.9	282.3	283.4	282.3	280.9	279.5
145°	308.4	310.0	311.7	311.4	311.1	310.3	309.5	310.6	309.5	310.3	311.1
150°	331.1	331.9	332.8	333.6	334.4	335.3	336.1	338.3	336.1	335.3	334.4
155°	347.2	348.5	350.0	351.3	352.7	353.3	353.8	355.5	353.8	353.3	352.7
160°	364.9	366.6	368.2	367.4	366.6	366.3	366.0	369.4	366.0	366.3	366.6
165°	372.7	374.1	375.4	376.3	377.1	376.6	376.0	378.3	376.0	376.6	377.1
170°	380.4	381.3	382.1	383.5	384.9	385.5	386.0	388.8	386.0	385.5	384.9
175°	382.6	384.1	385.5	385.7	386.0	385.5	384.9	387.6	384.9	385.5	386.0
180°	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2





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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1012.7	1012.7	1012.7	1012.7	1012.7	1012.7	1012.7	1012.7	1012.7	1012.7	1012.7
5°	979.4	946.6	923.3	900.0	875.6	851.2	843.3	835.4	819.2	802.9	791.3
10°	714.3	665.8	627.3	588.8	563.0	537.3	515.3	493.4	474.1	454.9	438.6
15°	589.0	540.0	513.7	487.4	463.0	438.6	415.0	391.4	365.4	339.4	316.3
20°	569.5	492.3	442.9	393.6	354.0	314.4	274.3	234.2	201.9	169.7	154.5
25°	578.2	449.4	371.6	293.8	233.9	174.0	146.9	119.8	110.1	100.3	94.9
30°	599.9	408.8	312.5	216.3	171.6	126.9	112.5	98.1	90.8	83.5	78.9
35°	601.8	361.1	268.9	176.7	137.2	97.6	88.1	78.6	73.5	68.3	65.3
40°	600.4	342.1	252.1	162.1	122.8	83.5	76.7	69.9	64.2	58.6	54.8
45°	596.4	333.4	239.9	146.4	114.4	82.4	74.3	66.1	60.4	54.8	50.4
50°	615.1	323.1	228.8	134.5	104.4	74.3	73.2	72.1	63.4	54.8	49.3
55°	676.3	303.1	210.6	118.2	91.4	64.5	68.3	72.1	63.4	54.8	48.3
60°	692.3	264.6	172.7	80.8	67.5	54.2	55.0	55.8	53.1	50.4	43.1
65°	562.7	204.4	138.5	72.6	58.3	43.9	42.0	40.1	42.6	45.0	37.7
70°	373.5	180.0	130.1	80.2	57.5	34.7	33.3	32.0	30.9	29.8	27.4
75°	210.1	137.7	103.8	69.9	48.5	27.1	27.4	27.6	26.6	25.5	23.0
80°	51.8	43.9	35.2	26.6	23.9	21.1	20.9	20.6	21.1	21.7	20.9
85°	15.7	17.9	17.1	16.3	14.9	13.6	13.6	13.6	13.8	14.1	13.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	4.2	4.4	4.2	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.6
100°	13.6	14.4	15.3	16.1	13.9	11.7	9.2	6.7	6.1	5.5	5.3
105°	37.5	38.8	39.4	40.0	37.5	34.9	30.8	26.6	23.3	20.0	17.5
110°	66.6	67.1	66.8	66.6	64.9	63.2	59.9	56.5	52.4	48.3	44.7
115°	100.1	100.9	100.1	99.3	97.9	96.5	94.9	93.2	90.7	88.2	84.8
120°	137.3	138.6	137.5	136.4	135.6	134.8	133.1	131.4	130.3	129.2	127.3
125°	173.3	174.7	174.1	173.6	172.8	171.9	170.6	169.1	167.5	165.8	165.0
130°	211.3	211.3	210.2	209.1	207.7	206.3	205.7	205.2	204.1	203.0	201.9
135°	248.2	248.5	247.1	245.7	244.0	242.3	241.8	241.3	240.4	239.6	237.9
140°	279.0	278.4	277.8	277.3	276.5	275.6	274.0	272.3	271.8	271.2	270.6
145°	311.4	311.7	310.1	308.4	307.0	305.6	305.3	305.0	304.2	303.4	302.6
150°	333.6	332.8	332.0	331.1	330.0	328.9	328.9	328.9	328.9	328.9	328.9
155°	351.4	350.0	348.6	347.2	347.7	348.3	348.9	349.4	348.6	347.7	347.2
160°	367.4	368.2	366.6	364.9	364.1	363.2	363.2	363.2	363.6	363.8	364.6
165°	376.3	375.4	374.1	372.7	372.9	373.2	373.2	373.2	374.1	374.9	374.9
170°	383.5	382.1	381.3	380.4	381.8	383.2	383.8	384.3	384.1	383.8	383.8
175°	385.7	385.5	384.1	382.6	382.6	382.6	383.0	383.2	384.4	385.5	386.0
180°	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1012.7	1012.7	1012.7	1012.7	1012.7	1012.7	1012.7	1012.7	1012.7	1012.7	1012.7
5°	779.6	765.8	752.0	740.6	748.7	743.8	738.9	727.3	715.6	708.0	700.5
10°	422.3	406.3	390.3	385.5	380.6	377.9	375.2	380.3	385.5	383.0	380.6
15°	293.3	272.2	251.0	239.6	229.9	217.4	204.9	195.4	186.0	180.3	174.6
20°	139.3	130.1	120.9	114.9	111.1	109.0	106.8	105.2	103.5	100.3	97.0
25°	89.5	85.9	82.4	79.7	77.0	74.8	72.6	70.5	68.3	68.3	68.3
30°	74.3	72.4	70.5	68.9	66.1	63.2	60.2	58.0	55.8	53.9	52.0
35°	62.3	61.8	61.3	59.6	55.8	53.4	51.0	48.5	46.1	43.6	41.2
40°	51.0	48.0	45.0	42.3	39.6	37.1	34.7	33.6	32.5	32.0	31.4
45°	46.1	43.1	40.1	37.4	34.2	31.4	28.7	26.3	23.9	22.5	21.1
50°	43.9	40.7	37.4	35.2	32.0	28.5	24.9	22.0	19.0	16.8	14.6
55°	41.7	38.8	35.8	32.5	29.3	25.8	22.2	19.5	16.8	14.4	11.9
60°	35.8	33.3	30.9	28.7	25.5	22.2	19.0	16.5	14.1	11.9	9.8
65°	30.4	27.9	25.5	23.3	21.1	18.4	15.7	13.3	10.8	9.5	8.1
70°	24.9	23.0	21.1	19.0	17.3	15.5	13.6	11.1	8.7	7.3	6.0
75°	20.6	19.2	17.9	16.3	15.7	13.8	11.9	10.0	8.1	6.5	4.9
80°	20.1	17.9	15.7	14.6	14.1	12.5	10.8	8.9	7.0	5.7	4.3
85°	12.5	11.4	10.3	10.3	9.8	8.4	7.0	6.0	4.9	3.8	2.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	3.3	3.0	2.8	2.8	2.8	3.0	3.3	3.6	3.9	3.9	3.9
100°	5.0	4.7	4.4	4.4	4.4	4.7	5.0	5.3	5.5	6.1	6.7
105°	15.0	13.6	12.2	11.7	12.2	13.6	15.0	17.5	20.0	23.3	26.6
110°	41.0	39.4	37.7	36.6	37.7	39.4	41.0	44.7	48.3	52.4	56.5
115°	81.5	79.3	77.1	77.6	77.1	79.3	81.5	84.8	88.2	90.7	93.2
120°	125.3	124.5	123.7	124.8	123.7	124.5	125.3	127.3	129.2	130.3	131.4
125°	164.2	163.6	163.0	165.2	163.0	163.6	164.2	165.0	165.8	167.5	169.1
130°	200.8	200.5	200.2	201.3	200.2	200.5	200.8	201.9	203.0	204.1	205.2
135°	236.3	236.3	236.3	237.9	236.3	236.3	236.3	237.9	239.6	240.4	241.3
140°	270.1	269.6	269.0	270.6	269.0	269.6	270.1	270.6	271.2	271.8	272.3
145°	301.7	302.2	302.8	305.0	302.8	302.2	301.7	302.6	303.4	304.2	305.0
150°	328.9	328.6	328.3	330.0	328.3	328.6	328.9	328.9	328.9	328.9	328.9
155°	346.6	346.6	346.6	348.8	346.6	346.6	346.6	347.2	347.7	348.6	349.4
160°	365.5	365.7	366.0	367.7	366.0	365.7	365.5	364.6	363.8	363.6	363.2
165°	374.9	375.5	376.0	377.7	376.0	375.5	374.9	374.9	374.9	374.1	373.2
170°	383.8	384.7	385.5	387.1	385.5	384.7	383.8	383.8	383.8	384.1	384.3
175°	386.6	386.8	387.1	388.2	387.1	386.8	386.6	386.0	385.5	384.4	383.2
180°	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1012.7	1012.7	1012.7	1012.7	1012.7	1012.7	1012.7	1012.7	1012.7	1012.7	1012.7
5°	696.4	692.3	689.6	686.9	674.2	661.4	661.7	662.0	663.9	665.8	651.1
10°	373.8	367.0	363.5	360.0	347.5	335.0	334.0	332.9	331.8	330.7	329.1
15°	175.4	176.2	167.5	158.8	156.4	154.0	145.8	137.7	136.6	135.5	130.7
20°	94.3	91.6	82.4	73.2	67.2	61.3	59.4	57.5	57.2	56.9	58.0
25°	65.1	61.8	56.7	51.5	49.1	46.6	45.5	44.5	44.2	43.9	43.4
30°	49.3	46.6	43.6	40.7	38.5	36.3	35.5	34.7	34.2	33.6	33.6
35°	38.5	35.8	33.6	31.4	29.5	27.6	26.6	25.5	25.2	24.9	24.9
40°	30.1	28.7	26.0	23.3	21.1	19.0	17.9	16.8	16.8	16.8	16.3
45°	21.1	21.1	18.7	16.3	14.4	12.5	11.4	10.3	10.0	9.8	9.8
50°	13.8	13.0	12.2	11.4	9.5	7.6	6.8	6.0	5.7	5.4	5.4
55°	10.3	8.7	7.6	6.5	5.4	4.3	3.8	3.3	3.0	2.7	2.7
60°	8.4	7.0	5.7	4.3	3.5	2.7	2.2	1.6	1.4	1.1	1.1
65°	6.5	4.9	3.8	2.7	2.2	1.6	1.1	0.5	0.3	0.0	0.0
70°	4.9	3.8	2.7	1.6	1.1	0.5	0.3	0.0	0.0	0.0	0.0
75°	3.8	2.7	2.2	1.6	1.4	1.1	0.8	0.5	0.3	0.0	0.0
80°	3.5	2.7	2.4	2.2	1.9	1.6	1.4	1.1	0.5	0.0	0.0
85°	2.2	1.6	1.1	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	3.9	3.9	3.9	3.9	4.2	4.4	4.2	3.9	3.9	3.9	3.9
100°	9.2	11.7	13.9	16.1	15.3	14.4	13.6	12.7	11.7	10.5	10.5
105°	30.8	34.9	37.5	40.0	39.4	38.8	37.5	36.1	35.0	33.8	33.8
110°	59.9	63.2	64.9	66.6	66.8	67.1	66.6	66.0	65.2	64.4	64.9
115°	94.9	96.5	97.9	99.3	100.1	100.9	100.1	99.3	98.7	98.2	98.7
120°	133.1	134.8	135.6	136.4	137.5	138.6	137.3	135.9	135.3	134.8	134.8
125°	170.6	171.9	172.8	173.6	174.1	174.7	173.3	171.9	171.9	171.9	171.9
130°	205.7	206.3	207.7	209.1	210.2	211.3	211.3	211.3	210.7	210.2	210.7
135°	241.8	242.3	244.0	245.7	247.1	248.5	248.2	247.9	248.7	249.5	250.1
140°	274.0	275.6	276.5	277.3	277.8	278.4	279.0	279.5	280.9	282.3	283.4
145°	305.3	305.6	307.0	308.4	310.1	311.7	311.4	311.1	310.3	309.5	310.6
150°	328.9	328.9	330.0	331.1	332.0	332.8	333.6	334.4	335.3	336.1	338.3
155°	348.9	348.3	347.7	347.2	348.6	350.0	351.4	352.7	353.3	353.8	355.5
160°	363.2	363.2	364.1	364.9	366.6	368.2	367.4	366.6	366.3	366.0	369.4
165°	373.2	373.2	372.9	372.7	374.1	375.4	376.3	377.1	376.6	376.0	378.3
170°	383.8	383.2	381.8	380.4	381.3	382.1	383.5	384.9	385.5	386.0	388.8
175°	383.0	382.6	382.6	382.6	384.1	385.5	385.7	386.0	385.5	384.9	387.6
180°	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2



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REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1012.7	1012.7	1012.7	1012.7	1012.7	1012.7	1012.7	1012.7	1012.7	1012.7	1012.7	0°
5°	670.1	672.5	675.0	686.9	698.8	711.6	724.3	750.1	775.8	798.0	820.3	5°
10°	344.8	355.4	365.9	386.8	407.7	430.5	453.2	476.0	498.8	525.1	551.4	10°
15°	131.7	148.5	165.4	196.8	228.2	261.6	294.9	331.0	367.0	398.7	430.5	15°
20°	59.1	60.2	61.3	65.3	69.4	81.1	92.7	134.5	176.2	244.5	312.8	20°
25°	44.5	45.3	46.1	48.5	51.0	54.2	57.5	64.2	71.0	115.7	160.5	25°
30°	34.2	35.0	35.8	37.4	39.0	41.7	44.5	47.7	51.0	65.1	79.2	30°
35°	25.5	26.0	26.6	28.2	29.8	31.4	33.1	35.2	37.4	42.6	47.7	35°
40°	17.3	18.2	19.0	20.3	21.7	23.3	24.9	27.1	29.3	33.9	38.5	40°
45°	10.3	11.1	11.9	13.6	15.2	17.6	20.1	23.9	27.6	27.1	26.6	45°
50°	5.4	6.0	6.5	8.4	10.3	16.0	21.7	21.4	21.1	19.8	18.4	50°
55°	2.7	3.5	4.3	5.4	6.5	8.4	10.3	10.8	11.4	12.7	14.1	55°
60°	1.6	2.2	2.7	3.8	4.9	6.0	7.0	7.6	8.1	9.5	10.8	60°
65°	0.0	0.5	1.1	1.6	2.2	2.7	3.3	3.8	4.3	5.2	6.0	65°
70°	0.0	0.0	0.0	0.3	0.5	0.8	1.1	1.4	1.6	1.9	2.2	70°
75°	0.5	0.5	0.5	0.5	0.5	0.3	0.0	0.0	0.0	0.0	0.0	75°
80°	0.0	0.3	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80°
85°	0.0	0.0	0.0	0.0	0.0	0.0	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°	3.9	3.9	3.9	4.2	4.4	4.2	3.9	3.9	3.9	3.9	3.9	95°
100°	10.5	11.7	12.7	13.6	14.4	15.2	16.1	13.9	11.7	9.2	6.7	100°
105°	33.8	34.9	36.1	37.4	38.8	39.4	40.0	37.5	34.9	30.8	26.6	105°
110°	64.4	65.2	66.0	66.6	67.1	66.8	66.6	64.9	63.2	59.9	56.5	110°
115°	98.2	98.7	99.3	100.1	100.9	100.1	99.3	97.9	96.5	94.9	93.2	115°
120°	134.8	135.3	135.9	137.3	138.6	137.5	136.4	135.6	134.8	133.1	131.4	120°
125°	171.9	171.9	171.9	173.3	174.7	174.1	173.6	172.8	171.9	170.6	169.1	125°
130°	210.2	210.7	211.3	211.3	211.3	210.2	209.1	207.7	206.3	205.7	205.2	130°
135°	249.5	248.7	247.9	248.2	248.5	247.1	245.7	244.0	242.3	241.8	241.3	135°
140°	282.3	280.9	279.5	278.9	278.4	277.8	277.3	276.5	275.6	274.0	272.3	140°
145°	309.5	310.3	311.1	311.4	311.7	310.0	308.4	307.0	305.6	305.3	305.0	145°
150°	336.1	335.3	334.4	333.6	332.8	331.9	331.1	330.0	328.9	328.9	328.9	150°
155°	353.8	353.3	352.7	351.3	350.0	348.5	347.2	347.7	348.3	348.9	349.4	155°
160°	366.0	366.3	366.6	367.4	368.2	366.6	364.9	364.1	363.2	363.2	363.2	160°
165°	376.0	376.6	377.1	376.3	375.4	374.1	372.7	372.9	373.2	373.2	373.2	165°
170°	386.0	385.5	384.9	383.5	382.1	381.3	380.4	381.8	383.2	383.8	384.3	170°
175°	384.9	385.5	386.0	385.7	385.5	384.1	382.6	382.6	382.6	383.0	383.2	175°
180°	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	180°



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**DISTRIBUTION (continued):**

330°	335°	340°	345°	350°	355°	360°
1012.7	1012.7	1012.7	1012.7	1012.7	1012.7	1012.7
844.1	868.0	897.8	927.6	958.5	989.4	1026.8
589.9	628.3	671.4	714.5	763.9	813.2	871.2
469.5	508.5	561.4	614.3	682.8	751.4	833.3
378.4	444.0	532.1	620.2	738.7	857.1	988.3
272.7	384.9	535.4	685.8	878.0	1070.2	1252.9
165.1	251.0	492.0	733.0	1000.0	1267.0	1434.5
98.1	148.5	430.2	711.8	1068.3	1424.8	1619.4
61.0	83.5	337.8	592.0	1096.2	1600.4	1850.9
34.4	42.3	248.0	453.8	1102.7	1751.7	2039.6
22.2	26.0	226.1	426.1	1161.0	1895.9	2121.4
17.9	21.7	231.0	440.2	1265.6	2091.1	2286.8
14.4	17.9	194.6	371.4	1198.1	2024.9	2319.3
8.4	10.8	114.1	217.4	950.7	1683.9	2067.2
3.8	5.4	35.8	66.1	557.6	1049.1	1475.7
1.1	2.2	7.3	12.5	170.2	328.0	587.7
0.0	0.0	1.1	2.2	30.6	59.1	170.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.1
3.9	3.9	3.6	3.3	3.0	2.8	2.8
6.1	5.5	5.3	5.0	4.7	4.4	4.4
23.3	20.0	17.5	15.0	13.6	12.2	11.7
52.4	48.3	44.7	41.0	39.4	37.7	36.6
90.7	88.2	84.8	81.5	79.3	77.1	77.6
130.3	129.2	127.3	125.3	124.5	123.7	124.8
167.5	165.8	165.0	164.2	163.6	163.0	165.2
204.1	203.0	201.9	200.8	200.5	200.2	201.3
240.4	239.6	237.9	236.3	236.3	236.3	237.9
271.8	271.2	270.6	270.1	269.6	269.0	270.6
304.2	303.4	302.6	301.7	302.2	302.8	305.0
328.9	328.9	328.9	328.9	328.6	328.3	330.0
348.6	347.7	347.2	346.6	346.6	346.6	348.8
363.6	363.8	364.6	365.5	365.7	366.0	367.7
374.1	374.9	374.9	374.9	375.5	376.0	377.7
384.1	383.8	383.8	383.8	384.7	385.5	387.1
384.4	385.5	386.0	386.6	386.8	387.1	388.2
388.2	388.2	388.2	388.2	388.2	388.2	388.2

(END OF REPORT)