

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: P153323

Luminaire Tested: **VXS-F05-LED-E1-SLR-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P153323
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33681)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXS-F05-LED-E1-SLR-8030
Description: VISION SITE SMALL LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (35) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9693.2 lumens
Efficiency: N/A
Efficacy: 72.7 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G3

Input Watts (W): 133.3
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



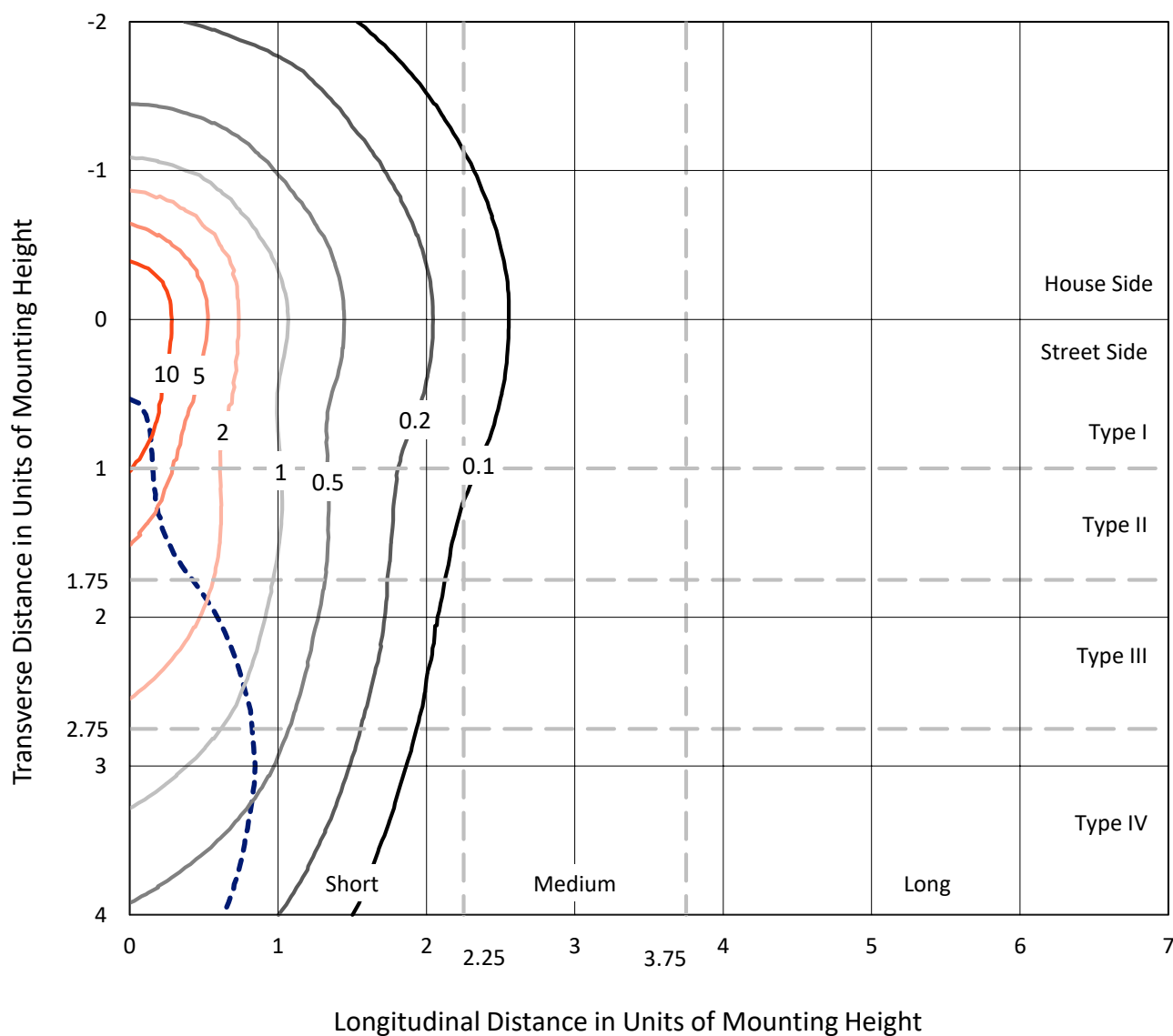
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

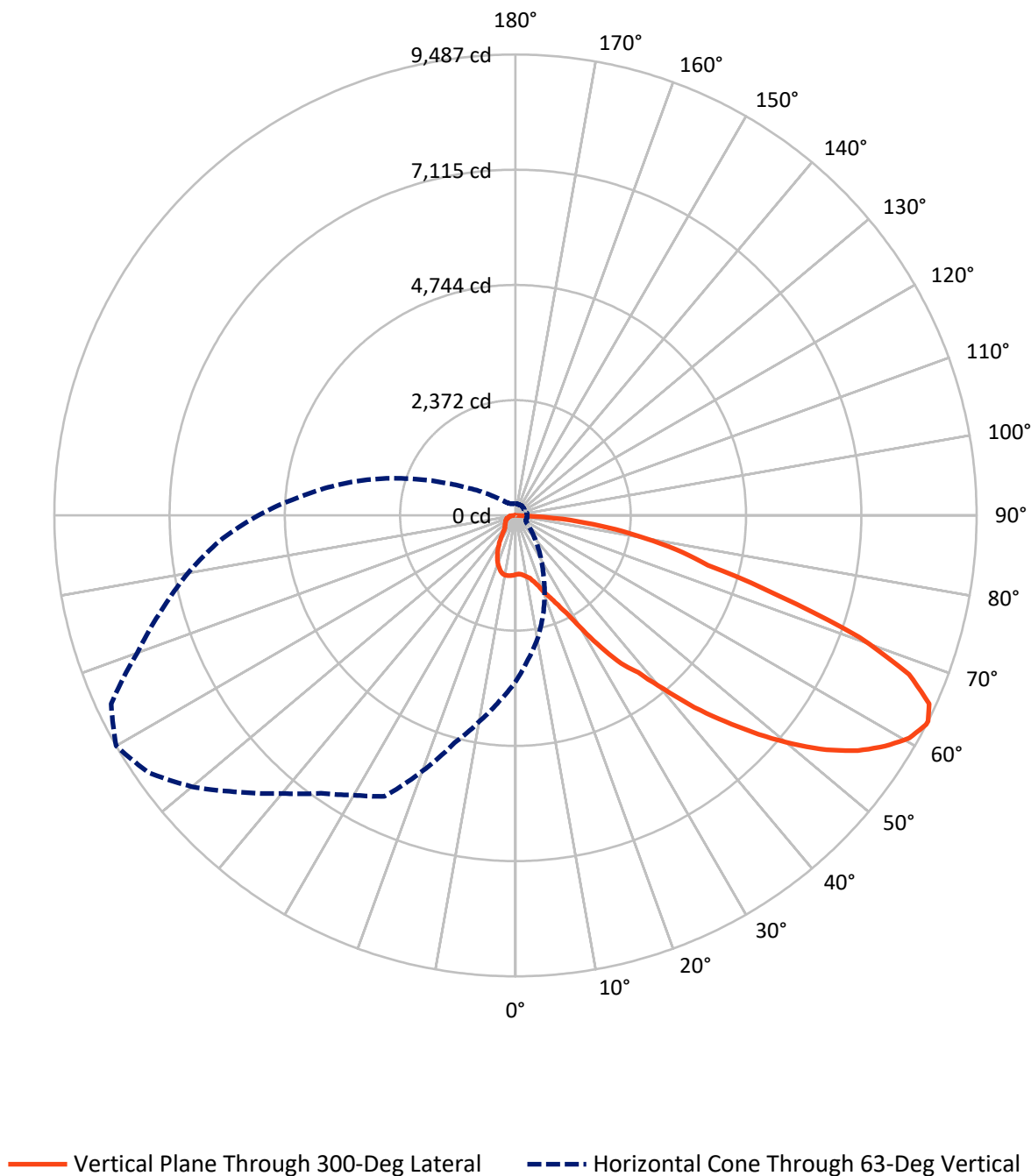


Based on 10 foot mounting height. Maximum calculated value = 15.3 fc
Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2101.9	0.0	2101.9
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	7591.2	0.0	7591.2
	% Fixture	78.3	0.0	78.3
Total	Lumens	9693.2	0.0	9693.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.6	1.2
10°-20°	369.3	3.8
20°-30°	656.1	6.8
30°-40°	1033.2	10.7
40°-50°	1520.5	15.7
50°-60°	2019.7	20.8
60°-70°	2224.7	23.0
70°-80°	1395.7	14.4
80°-90°	355.5	3.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	9693.2	100.0
0°-180°	9693.2	100.0

Coefficient of Utilization



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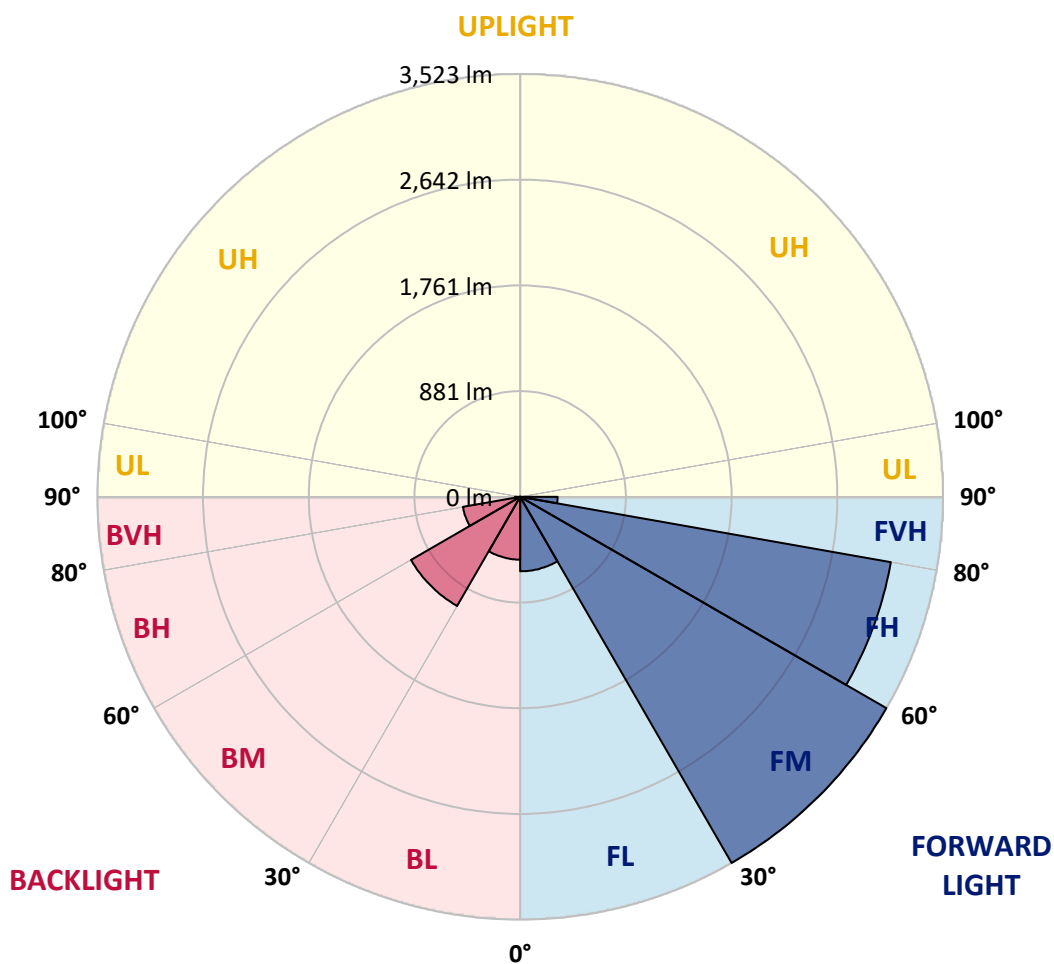
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	620.7	6.4			
FM	(30°-60°)	3522.7	36.3			
FH	(60°-80°)	3135.9	32.4			G2/5000
FVH	(80°-90°)	312.0	3.2			G3/500
BL	(0°-30°)	523.3	5.4	B2/1000		
BM	(30°-60°)	1050.6	10.8	B2/2500		
BH	(60°-80°)	484.5	5.0	B1/500		G1/500
BVH	(80°-90°)	43.5	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1
2.5°	1201.9	1205.4	1204.1	1204.1	1206.5	1205.4	1205.4	1206.5	1206.5	1209.9	1214.6
5°	1192.5	1191.4	1189.1	1191.4	1191.4	1191.4	1186.7	1190.3	1191.4	1193.8	1193.8
7.5°	1204.1	1200.7	1196.1	1197.2	1197.2	1194.9	1191.4	1192.5	1191.4	1191.4	1190.3
10°	1219.3	1211.2	1205.4	1205.4	1205.4	1203.0	1197.2	1200.7	1200.7	1199.6	1200.7
12.5°	1246.0	1236.7	1229.7	1227.5	1227.5	1223.9	1219.3	1223.9	1221.7	1221.7	1219.3
15°	1290.2	1279.7	1271.5	1264.6	1265.7	1265.7	1259.9	1256.5	1251.8	1246.0	1234.4
17.5°	1356.3	1344.7	1334.2	1328.4	1329.6	1321.5	1305.2	1288.9	1266.9	1244.9	1220.4
20°	1450.4	1446.8	1433.0	1427.2	1413.2	1393.5	1348.2	1309.8	1266.9	1225.1	1183.3
22.5°	1613.0	1596.7	1582.8	1560.7	1514.2	1459.7	1384.1	1316.8	1249.4	1190.3	1134.5
25°	1831.3	1802.2	1733.7	1666.3	1571.1	1473.6	1371.4	1284.4	1200.7	1122.9	1054.4
27.5°	2046.1	1957.8	1835.9	1714.0	1574.6	1446.8	1319.2	1215.9	1118.2	1033.5	958.0
30°	2306.2	2157.5	1970.6	1777.8	1580.4	1408.6	1255.3	1134.5	1021.9	932.4	853.5
32.5°	2550.1	2335.2	2090.2	1837.1	1593.2	1372.5	1182.2	1045.1	929.0	816.4	738.5
35°	2717.3	2438.5	2141.3	1842.9	1561.9	1304.0	1090.4	929.0	812.8	708.4	616.6
37.5°	2817.1	2483.8	2143.6	1801.0	1488.7	1211.2	974.3	814.0	707.2	607.4	535.3
40°	2879.8	2494.3	2113.5	1740.7	1395.8	1093.9	858.1	714.2	616.6	536.5	480.7
42.5°	2910.1	2478.0	2064.7	1664.0	1301.8	989.3	776.9	641.0	556.3	499.4	457.5
45°	2914.7	2449.0	2012.4	1594.4	1218.1	913.9	721.1	610.8	541.1	493.5	451.7
47.5°	2914.7	2423.5	1970.6	1543.3	1163.5	881.3	716.5	623.6	555.0	501.7	451.7
50°	2917.0	2415.3	1953.2	1517.7	1145.0	898.8	756.0	663.1	585.3	515.5	450.6
52.5°	2927.5	2425.8	1967.2	1537.5	1178.7	968.5	830.3	722.3	624.8	531.8	450.6
55°	2950.7	2460.6	2026.3	1606.0	1269.2	1074.1	919.7	786.1	656.1	538.9	443.6
57.5°	3015.8	2548.9	2134.3	1738.3	1423.6	1196.1	1000.9	831.4	667.7	533.0	429.6
60°	3145.8	2724.2	2319.0	1924.1	1587.4	1300.6	1048.6	838.4	657.2	514.4	407.6
62.5°	3353.6	2925.1	2543.1	2126.2	1732.5	1358.7	1054.4	821.0	629.4	480.7	375.0
63°	3425.6	2975.0	2590.7	2164.6	1751.1	1363.3	1049.7	814.0	622.4	471.5	370.5
65°	3626.5	3185.3	2755.5	2299.3	1803.4	1364.5	1024.2	779.2	589.9	435.4	337.9
67.5°	4001.6	3461.7	2963.4	2404.9	1822.0	1327.3	959.2	714.2	521.3	379.7	297.3
70°	4238.4	3616.1	3043.5	2407.3	1767.4	1221.7	846.5	608.5	434.3	314.7	255.4
72.5°	4176.9	3463.9	2832.2	2190.1	1531.6	1020.7	680.5	478.4	339.1	252.0	212.5
75°	3577.7	2883.3	2310.9	1696.6	1157.7	750.2	498.1	341.5	250.8	197.4	177.6
77.5°	2575.6	2075.1	1657.1	1208.8	780.3	485.4	331.0	243.8	190.5	162.6	146.3
80°	1640.8	1217.0	1013.8	726.9	456.4	300.7	227.6	184.7	156.8	135.9	125.4
82.5°	857.0	600.3	487.7	371.6	253.2	198.5	167.3	151.0	128.9	112.6	106.8
85°	534.2	354.2	262.5	183.5	126.5	113.8	104.6	102.2	91.7	81.2	77.8
87.5°	60.4	54.6	56.9	36.0	26.7	29.0	27.9	37.2	36.0	26.7	27.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1
2.5°	1209.9	1212.3	1212.3	1215.9	1215.9	1218.1	1220.4	1220.4	1222.8	1223.9	1226.2
5°	1196.1	1196.1	1196.1	1200.7	1201.9	1208.8	1211.2	1213.5	1215.9	1223.9	1228.6
7.5°	1192.5	1188.0	1190.3	1190.3	1193.8	1199.6	1205.4	1208.8	1212.3	1222.8	1229.7
10°	1199.6	1196.1	1192.5	1192.5	1193.8	1196.1	1200.7	1204.1	1206.5	1217.0	1222.8
12.5°	1218.1	1209.9	1203.0	1197.2	1192.5	1191.4	1189.1	1190.3	1192.5	1198.3	1206.5
15°	1221.7	1206.5	1191.4	1176.4	1164.7	1157.7	1151.9	1149.6	1149.6	1153.1	1162.4
17.5°	1198.3	1172.8	1150.8	1131.0	1118.2	1105.5	1099.7	1095.0	1092.7	1097.4	1098.5
20°	1148.5	1118.2	1088.1	1064.9	1041.7	1038.1	1028.8	1031.2	1033.5	1040.4	1043.9
22.5°	1079.9	1043.9	1006.7	982.4	963.8	947.6	937.1	941.8	945.3	952.2	955.6
25°	996.4	944.0	904.6	880.2	860.5	846.5	834.9	839.6	834.9	843.0	855.9
27.5°	897.6	836.1	794.3	766.4	752.4	740.8	729.2	729.2	740.8	740.8	751.3
30°	778.0	732.7	678.1	649.1	631.7	624.8	623.6	621.2	629.4	634.0	645.6
32.5°	665.4	609.6	557.4	529.5	514.4	506.3	507.5	508.6	512.1	519.1	537.6
35°	551.6	502.8	465.7	434.3	419.2	404.1	404.1	401.8	405.3	413.4	435.4
37.5°	478.4	435.4	406.4	382.1	366.9	357.6	349.5	346.0	346.0	349.5	357.6
40°	437.8	406.4	379.7	358.9	344.9	336.8	332.1	328.6	326.3	326.3	327.5
42.5°	419.2	386.7	360.0	341.5	331.0	326.3	325.2	323.9	320.5	319.4	318.1
45°	409.9	372.7	342.6	327.5	319.4	317.0	318.1	318.1	317.0	314.7	310.1
47.5°	402.9	360.0	329.7	315.9	312.3	312.3	312.3	312.3	311.2	310.1	306.5
50°	391.3	340.2	307.8	297.3	294.9	294.9	296.1	296.1	298.4	296.1	293.8
52.5°	378.5	321.7	289.1	279.9	278.7	277.5	277.5	277.5	278.7	278.7	277.5
55°	364.7	307.8	279.9	272.8	274.1	272.8	271.7	270.6	270.6	269.4	267.0
57.5°	350.7	296.1	272.8	268.3	269.4	269.4	267.0	264.8	263.6	260.1	257.8
60°	329.7	279.9	259.0	256.6	260.1	260.1	260.1	259.0	259.0	257.8	252.0
62.5°	302.0	256.6	240.4	241.6	242.7	245.0	245.0	245.0	245.0	242.7	236.9
63°	296.1	252.0	236.9	236.9	240.4	240.4	241.6	240.4	241.6	239.2	232.2
65°	272.8	236.9	225.3	226.4	228.8	228.8	228.8	227.6	227.6	224.1	220.6
67.5°	246.2	218.3	211.3	212.5	213.7	216.0	214.8	214.8	216.0	213.7	210.2
70°	216.0	198.5	193.9	195.1	196.3	196.3	195.1	195.1	196.3	193.9	190.5
72.5°	192.7	185.8	182.3	182.3	180.0	180.0	177.6	176.5	175.3	175.3	171.8
75°	162.6	161.5	162.6	164.9	162.6	160.2	159.1	155.6	153.3	153.3	152.1
77.5°	139.4	139.4	141.7	145.2	146.3	146.3	142.8	137.0	135.9	135.9	135.9
80°	120.7	118.4	118.4	122.0	125.4	124.2	118.4	112.6	112.6	118.4	119.6
82.5°	105.7	105.7	102.2	103.3	102.2	101.0	95.2	91.7	90.6	95.2	99.9
85°	83.6	84.8	83.6	82.5	81.2	77.8	73.2	69.6	68.5	73.2	80.1
87.5°	33.7	32.5	31.4	32.5	31.4	33.7	32.5	30.2	29.0	32.5	39.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1
2.5°	1227.5	1229.7	1232.0	1232.0	1234.4	1233.3	1234.4	1235.5	1235.5	1236.7	1236.7
5°	1234.4	1237.8	1242.5	1247.2	1248.3	1251.8	1255.3	1253.0	1256.5	1261.1	1261.1
7.5°	1236.7	1244.9	1248.3	1255.3	1256.5	1261.1	1269.2	1263.4	1270.4	1273.9	1275.0
10°	1233.3	1241.3	1247.2	1255.3	1258.8	1266.9	1275.0	1272.7	1280.8	1286.6	1287.8
12.5°	1212.3	1220.4	1233.3	1244.9	1254.1	1266.9	1282.0	1277.3	1288.9	1296.0	1299.4
15°	1171.7	1179.8	1193.8	1212.3	1229.7	1249.4	1269.2	1272.7	1284.4	1292.4	1296.0
17.5°	1107.8	1118.2	1133.4	1153.1	1175.1	1208.8	1234.4	1247.2	1263.4	1268.1	1273.9
20°	1048.6	1059.1	1068.3	1079.9	1096.2	1128.7	1162.4	1188.0	1208.8	1226.2	1230.9
22.5°	969.6	979.0	990.6	999.8	1011.4	1034.6	1062.5	1091.5	1124.0	1134.5	1146.1
25°	874.4	880.2	896.5	902.3	910.4	930.2	952.2	973.1	1004.5	1026.5	1032.3
27.5°	772.2	778.0	793.2	796.6	807.0	825.6	841.9	850.1	879.1	902.3	920.8
30°	653.8	668.9	687.5	689.7	701.3	713.0	728.1	736.2	762.9	787.4	810.6
32.5°	551.6	566.6	581.8	591.1	596.9	606.1	621.2	629.4	654.9	677.0	700.2
35°	447.0	465.7	481.9	494.7	499.4	511.0	522.6	530.7	557.4	577.1	593.4
37.5°	368.1	382.1	399.5	412.2	425.0	433.2	447.0	458.7	474.9	485.4	502.8
40°	329.7	336.8	346.0	356.5	366.9	376.3	386.7	396.0	406.4	420.4	432.0
42.5°	317.0	318.1	318.1	321.7	327.5	332.1	341.5	348.4	355.3	365.8	371.6
45°	307.8	306.5	304.2	302.0	303.1	305.4	311.2	315.9	323.9	328.6	329.7
47.5°	303.1	298.4	293.8	290.3	289.1	290.3	294.9	299.6	304.2	307.8	308.9
50°	288.0	284.5	277.5	272.8	270.6	272.8	278.7	281.0	285.7	289.1	290.3
52.5°	272.8	268.3	263.6	259.0	259.0	260.1	264.8	269.4	274.1	275.2	277.5
55°	263.6	256.6	252.0	248.5	246.2	249.6	253.2	259.0	264.8	265.9	268.3
57.5°	254.3	247.4	242.7	239.2	236.9	240.4	243.8	252.0	259.0	259.0	259.0
60°	248.5	242.7	235.8	232.2	228.8	232.2	236.9	245.0	252.0	250.8	249.6
62.5°	232.2	226.4	223.0	223.0	219.5	225.3	229.9	239.2	240.4	238.0	235.8
63°	227.6	223.0	220.6	220.6	218.3	224.1	228.8	236.9	236.9	234.6	232.2
65°	216.0	212.5	210.2	212.5	212.5	218.3	219.5	225.3	224.1	220.6	219.5
67.5°	206.7	204.4	202.1	202.1	202.1	203.2	204.4	206.7	205.5	204.4	205.5
70°	191.6	190.5	188.1	188.1	186.9	186.9	186.9	188.1	188.1	189.3	190.5
72.5°	173.1	170.7	170.7	171.8	169.5	170.7	171.8	170.7	173.1	173.1	174.2
75°	152.1	151.0	153.3	155.6	154.4	154.4	155.6	155.6	156.8	156.8	157.9
77.5°	135.9	137.0	138.1	140.5	141.7	141.7	141.7	140.5	141.7	141.7	142.8
80°	120.7	123.1	125.4	127.8	128.9	128.9	128.9	127.8	127.8	127.8	127.8
82.5°	109.1	112.6	114.9	116.2	116.2	116.2	116.2	116.2	116.2	113.8	111.5
85°	91.7	98.7	98.7	99.9	96.4	94.1	91.7	92.8	94.1	89.4	88.3
87.5°	46.4	46.4	48.8	51.1	52.2	52.2	59.2	55.8	54.6	53.4	51.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1
2.5°	1237.8	1236.7	1239.1	1236.7	1237.8	1239.1	1236.7	1240.2	1242.5	1239.1	1235.5
5°	1263.4	1263.4	1269.2	1271.5	1272.7	1279.7	1276.2	1278.5	1280.8	1279.7	1280.8
7.5°	1279.7	1284.4	1290.2	1296.0	1297.1	1302.9	1301.8	1305.2	1307.6	1313.4	1313.4
10°	1293.6	1299.4	1307.6	1313.4	1319.2	1323.8	1326.1	1333.1	1334.2	1338.9	1338.9
12.5°	1306.4	1313.4	1321.5	1330.8	1336.6	1345.9	1347.0	1357.5	1360.9	1362.1	1358.7
15°	1304.0	1312.2	1321.5	1331.9	1342.4	1354.0	1360.9	1371.4	1377.2	1379.6	1373.7
17.5°	1282.0	1288.9	1300.6	1314.5	1327.3	1342.4	1355.1	1370.3	1379.6	1381.9	1380.7
20°	1239.1	1243.6	1258.8	1277.3	1292.4	1315.6	1334.2	1357.5	1372.5	1384.1	1387.7
22.5°	1154.3	1165.9	1180.9	1201.9	1223.9	1253.0	1279.7	1313.4	1345.9	1373.7	1401.6
25°	1052.0	1073.0	1096.2	1124.0	1150.8	1180.9	1211.2	1249.4	1297.1	1355.1	1421.3
27.5°	948.7	984.8	1013.8	1049.7	1081.1	1111.3	1145.0	1186.7	1239.1	1308.7	1393.5
30°	844.2	884.9	916.2	958.0	999.8	1040.4	1074.1	1118.2	1169.3	1240.2	1333.1
32.5°	732.7	773.4	810.6	848.8	895.3	944.0	984.8	1039.3	1093.9	1167.0	1261.1
35°	617.8	653.8	685.1	725.8	776.9	829.1	882.5	945.3	1004.5	1081.1	1180.9
37.5°	517.9	543.4	573.7	609.6	649.1	704.9	765.3	839.6	906.9	990.6	1092.7
40°	435.4	449.4	466.8	497.0	533.0	587.6	646.8	725.8	807.0	898.8	997.5
42.5°	371.6	378.5	383.2	402.9	432.0	485.4	542.3	619.0	708.4	808.2	908.1
45°	329.7	333.3	334.4	344.9	365.8	412.2	471.5	536.5	622.4	720.0	824.5
47.5°	310.1	313.6	315.9	318.1	331.0	366.9	420.4	481.9	560.8	650.3	757.1
50°	293.8	297.3	300.7	299.6	305.4	328.6	373.9	430.8	505.2	587.6	693.3
52.5°	277.5	279.9	279.9	279.9	283.3	298.4	331.0	383.2	451.7	529.5	634.0
55°	268.3	270.6	271.7	272.8	274.1	282.2	306.5	348.4	407.6	479.6	573.7
57.5°	259.0	260.1	262.5	263.6	265.9	270.6	285.7	315.9	365.8	426.2	505.2
60°	250.8	253.2	257.8	259.0	261.2	262.5	269.4	288.0	320.5	366.9	430.8
62.5°	238.0	241.6	246.2	247.4	249.6	250.8	252.0	262.5	277.5	305.4	353.1
63°	234.6	238.0	243.8	245.0	246.2	246.2	247.4	254.3	268.3	292.6	327.5
65°	221.8	226.4	229.9	231.1	232.2	232.2	231.1	233.4	234.6	245.0	265.9
67.5°	207.9	211.3	213.7	214.8	213.7	214.8	213.7	211.3	209.0	211.3	220.6
70°	193.9	196.3	196.3	197.4	198.5	199.7	197.4	195.1	192.7	191.6	197.4
72.5°	177.6	180.0	180.0	181.1	181.1	183.5	183.5	182.3	182.3	183.5	184.7
75°	161.5	163.7	162.6	164.9	164.9	168.4	168.4	169.5	171.8	170.7	169.5
77.5°	146.3	147.5	147.5	148.6	149.8	155.6	159.1	160.2	160.2	157.9	155.6
80°	130.1	130.1	127.8	126.5	127.8	133.6	140.5	141.7	145.2	144.0	145.2
82.5°	109.1	104.6	101.0	101.0	103.3	106.8	109.1	111.5	113.8	113.8	116.2
85°	83.6	79.0	75.4	76.7	80.1	81.2	80.1	80.1	84.8	88.3	84.8
87.5°	49.9	45.3	43.0	39.5	40.6	44.1	43.0	39.5	40.6	32.5	30.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1
2.5°	1237.8	1236.7	1234.4	1230.9	1229.7	1227.5	1228.6	1225.1	1222.8	1220.4	1217.0
5°	1280.8	1280.8	1273.9	1273.9	1270.4	1269.2	1261.1	1257.6	1250.7	1253.0	1244.9
7.5°	1311.0	1314.5	1306.4	1305.2	1300.6	1299.4	1288.9	1285.5	1279.7	1277.3	1270.4
10°	1333.1	1333.1	1322.6	1314.5	1308.7	1302.9	1292.4	1287.8	1283.1	1284.4	1279.7
12.5°	1350.5	1342.4	1327.3	1315.6	1307.6	1301.8	1293.6	1290.2	1288.9	1297.1	1298.2
15°	1364.5	1352.8	1334.2	1326.1	1319.2	1318.0	1318.0	1321.5	1329.6	1344.7	1356.3
17.5°	1372.5	1365.6	1356.3	1354.0	1365.6	1372.5	1381.9	1392.3	1403.9	1424.9	1437.6
20°	1387.7	1392.3	1399.3	1408.6	1427.2	1444.6	1456.2	1471.3	1485.2	1510.8	1531.6
22.5°	1427.2	1453.9	1476.0	1494.5	1522.4	1546.7	1561.9	1582.8	1593.2	1610.6	1643.1
25°	1478.2	1532.8	1579.3	1618.8	1661.8	1687.3	1708.2	1734.9	1751.1	1780.2	1809.2
27.5°	1463.1	1540.9	1610.6	1683.7	1743.0	1809.2	1855.6	1899.8	1927.7	1970.6	2008.9
30°	1416.7	1509.6	1603.6	1700.0	1794.1	1889.3	1977.6	2057.7	2119.3	2180.8	2243.5
32.5°	1354.0	1460.8	1575.8	1694.2	1817.3	1949.7	2071.6	2192.4	2294.6	2384.0	2471.1
35°	1282.0	1402.8	1522.4	1668.7	1820.8	1989.2	2158.8	2325.9	2481.6	2639.5	2746.3
37.5°	1196.1	1319.2	1452.6	1621.0	1799.9	2007.8	2223.7	2442.1	2662.7	2875.2	3059.8
40°	1104.4	1229.7	1370.3	1552.5	1754.6	1996.2	2265.6	2559.4	2862.4	3170.2	3415.1
42.5°	1023.0	1151.9	1305.2	1489.8	1709.3	1981.0	2299.3	2660.4	3030.8	3411.7	3771.7
45°	944.0	1085.7	1247.2	1445.7	1689.5	1992.6	2349.1	2754.4	3181.8	3643.9	4082.9
47.5°	873.3	1017.2	1174.0	1391.2	1660.5	1998.4	2397.9	2848.5	3324.6	3825.1	4346.4
50°	809.3	948.7	1103.2	1321.5	1615.2	1995.0	2442.1	2933.3	3447.7	3967.9	4549.6
52.5°	746.6	888.3	1046.2	1254.1	1559.5	1975.2	2463.0	3002.9	3561.5	4111.9	4713.4
55°	685.1	824.5	983.5	1190.3	1486.3	1924.1	2460.6	3048.2	3652.0	4247.8	4871.3
57.5°	613.2	745.5	901.1	1119.4	1408.6	1845.2	2425.8	3069.1	3729.8	4382.5	5060.6
60°	523.7	648.0	797.7	1016.1	1306.4	1744.1	2352.6	3057.5	3775.1	4482.4	5222.1
62.5°	413.4	521.3	658.4	872.1	1178.7	1599.0	2215.6	2951.8	3703.1	4468.4	5297.5
63°	390.2	492.3	625.9	837.2	1124.0	1559.5	2175.0	2910.1	3668.3	4439.4	5287.0
65°	313.6	379.7	486.5	675.9	940.6	1365.6	1973.0	2695.2	3481.3	4235.0	5136.1
67.5°	240.4	274.1	331.0	463.3	665.4	1074.1	1597.8	2284.1	3021.6	3729.8	4649.5
70°	205.5	220.6	245.0	307.8	422.7	678.1	1121.8	1703.5	2342.2	2956.5	3783.3
72.5°	186.9	193.9	206.7	233.4	290.3	406.4	715.3	1109.0	1593.2	2107.7	2746.3
75°	171.8	177.6	188.1	202.1	223.0	270.6	407.6	678.1	1035.9	1384.1	1853.4
77.5°	156.8	160.2	171.8	184.7	198.5	223.0	269.4	390.2	595.8	816.4	1117.1
80°	144.0	141.7	149.8	170.7	184.7	198.5	212.5	253.2	339.1	447.0	603.8
82.5°	114.9	117.3	124.2	145.2	151.0	147.5	149.8	156.8	189.3	206.7	308.9
85°	77.8	72.0	70.9	73.2	73.2	69.6	69.6	68.5	75.4	85.9	147.5
87.5°	20.9	10.5	0.0	0.0	0.0	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

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REPORT N
CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1	0°
2.5°	1214.6	1213.5	1214.6	1208.8	1208.8	1207.7	1206.5	1204.1	1204.1	1199.6	1203.0	2.5°
5°	1237.8	1235.5	1230.9	1223.9	1220.4	1215.9	1215.9	1211.2	1207.7	1203.0	1204.1	5°
7.5°	1264.6	1265.7	1257.6	1251.8	1249.4	1244.9	1246.0	1239.1	1240.2	1236.7	1234.4	7.5°
10°	1279.7	1279.7	1282.0	1280.8	1283.1	1283.1	1286.6	1282.0	1279.7	1276.2	1276.2	10°
12.5°	1304.0	1308.7	1318.0	1318.0	1325.0	1327.3	1328.4	1330.8	1326.1	1323.8	1315.6	12.5°
15°	1364.5	1376.1	1384.1	1395.8	1409.7	1414.4	1414.4	1409.7	1407.4	1403.9	1388.8	15°
17.5°	1464.4	1489.8	1496.8	1515.4	1517.7	1523.5	1539.8	1530.5	1524.7	1500.3	1495.6	17.5°
20°	1566.5	1599.0	1631.5	1654.7	1666.3	1689.5	1693.1	1688.4	1665.2	1642.0	1631.5	20°
22.5°	1689.5	1738.3	1775.5	1811.5	1828.9	1840.5	1866.1	1860.3	1841.7	1806.8	1793.0	22.5°
25°	1863.7	1924.1	1963.6	2007.8	2031.0	2042.6	2068.2	2068.2	2048.4	2037.9	2036.8	25°
27.5°	2083.2	2157.5	2222.6	2237.7	2298.0	2312.0	2336.4	2336.4	2317.8	2305.1	2366.5	27.5°
30°	2327.0	2404.9	2517.5	2593.1	2666.2	2738.1	2737.0	2741.7	2763.7	2775.3	2802.1	30°
32.5°	2571.0	2667.4	2786.9	2950.7	3107.5	3240.9	3414.0	3524.4	3490.7	3396.6	3359.4	32.5°
35°	2867.0	2973.9	3119.1	3283.9	3570.8	3743.8	3827.4	3886.6	3893.6	3906.3	3933.1	35°
37.5°	3196.9	3375.6	3544.0	3731.0	3890.2	4100.3	4294.2	4449.8	4485.8	4559.0	4517.2	37.5°
40°	3613.8	3813.5	3989.9	4231.5	4445.2	4698.3	4975.9	5189.5	5275.4	5247.6	5038.5	40°
42.5°	4050.4	4297.7	4504.4	4788.9	5066.4	5400.8	5687.7	5986.1	6039.6	5824.7	5512.3	42.5°
45°	4452.1	4758.7	5015.3	5311.4	5650.6	6051.2	6434.4	6740.9	6730.5	6362.4	5944.4	45°
47.5°	4813.3	5189.5	5503.0	5888.6	6253.2	6730.5	7170.6	7397.0	7263.4	6828.0	6316.0	47.5°
50°	5111.7	5580.8	5967.6	6357.7	6821.0	7395.9	7819.7	7947.5	7689.6	7215.9	6677.1	50°
52.5°	5352.1	5940.8	6375.1	6824.6	7409.7	8014.8	8379.4	8331.8	7998.5	7512.0	6975.4	52.5°
55°	5555.3	6216.1	6734.0	7264.7	7990.4	8547.8	8790.5	8662.7	8197.1	7703.5	7179.9	55°
57.5°	5765.5	6483.1	7063.7	7679.2	8487.4	8965.8	9100.5	8838.1	8291.2	7776.7	7268.1	57.5°
60°	5975.6	6706.1	7355.2	8041.5	8863.6	9307.3	9270.1	8877.6	8263.3	7723.3	7208.9	60°
62.5°	6117.3	6838.4	7524.8	8264.5	9145.8	9481.5	9253.8	8737.1	8101.9	7513.2	7032.4	62.5°
63°	6120.8	6843.1	7535.2	8279.6	9177.2	9487.3	9222.5	8687.2	8050.8	7470.2	6980.1	63°
65°	6047.7	6756.1	7442.3	8211.0	9150.5	9353.7	8951.9	8392.2	7759.3	7172.8	6708.4	65°
67.5°	5673.8	6396.1	7002.2	7726.8	8672.0	8730.1	8227.3	7775.5	7206.5	6599.3	6113.9	67.5°
70°	4920.1	5520.5	6115.0	6720.0	7513.2	7502.7	7030.1	6800.1	6302.0	5609.8	5220.8	70°
72.5°	3913.4	4452.1	4870.2	5275.4	5798.0	5692.3	5388.1	5451.9	5129.1	4612.4	4381.3	72.5°
75°	2905.4	3497.6	3702.0	3866.8	4087.6	4088.7	4172.3	4353.5	4348.8	4062.0	3770.5	75°
77.5°	1905.6	2553.6	2622.1	2754.4	3019.2	3379.2	3750.8	4150.3	4250.1	4023.6	3592.8	77.5°
80°	1062.5	1736.1	1657.1	1770.9	2056.6	2545.4	3093.5	3534.8	3794.9	3668.3	3211.9	80°
82.5°	543.4	1000.9	956.9	1114.8	1345.9	1770.9	2133.2	2472.2	2778.9	2761.3	2588.4	82.5°
85°	282.2	548.1	623.6	706.0	822.2	974.3	1111.3	1209.9	1337.7	1563.0	1639.7	85°
87.5°	0.0	0.0	0.0	0.0	0.0	1.1	0.0	83.6	60.4	166.0	236.9	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°

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DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
1218.1	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1
1204.1	1205.4	1203.0	1203.0	1204.1	1204.1	1201.9
1201.9	1201.9	1199.6	1197.2	1194.9	1194.9	1192.5
1228.6	1228.6	1220.4	1217.0	1211.2	1206.5	1204.1
1268.1	1261.1	1251.8	1244.9	1235.5	1225.1	1219.3
1307.6	1297.1	1285.5	1275.0	1263.4	1251.8	1246.0
1372.5	1358.7	1343.5	1330.8	1314.5	1297.1	1290.2
1472.4	1450.4	1430.7	1412.0	1383.0	1370.3	1356.3
1604.8	1572.3	1546.7	1515.4	1479.4	1467.8	1450.4
1765.1	1737.2	1686.1	1662.9	1626.8	1609.4	1613.0
2008.9	1973.0	1913.7	1891.6	1888.2	1849.8	1831.3
2327.0	2329.4	2274.8	2215.6	2183.1	2122.7	2046.1
2780.0	2748.6	2684.8	2624.4	2547.8	2433.9	2306.2
3328.1	3258.4	3152.7	3040.1	2904.2	2728.9	2550.1
3863.4	3741.5	3573.1	3385.0	3188.7	2970.5	2717.3
4333.7	4144.5	3892.4	3676.5	3398.9	3126.0	2817.1
4763.3	4528.8	4203.6	3923.7	3596.3	3245.6	2879.8
5179.1	4881.8	4483.5	4105.0	3734.5	3325.7	2910.1
5575.0	5191.8	4719.2	4268.7	3835.5	3378.0	2914.7
5879.3	5461.2	4930.6	4387.2	3905.2	3417.5	2914.7
6161.5	5688.8	5092.0	4480.0	3970.3	3444.1	2917.0
6380.9	5849.1	5196.5	4546.2	4021.3	3463.9	2927.5
6540.0	5953.6	5266.1	4586.8	4058.4	3491.8	2950.7
6651.5	6022.1	5304.5	4622.8	4103.7	3540.6	3015.8
6704.9	6148.7	5368.4	4694.8	4181.6	3643.9	3145.8
6664.2	6345.0	5550.7	4816.8	4289.5	3805.4	3353.6
6646.8	6380.9	5600.6	4843.5	4314.0	3840.2	3425.6
6511.0	6416.9	5806.1	4978.1	4430.1	3994.6	3626.5
6089.4	6275.2	5979.2	5205.8	4679.7	4369.7	4001.6
5543.7	6065.1	5947.8	5234.8	4838.9	4677.4	4238.4
4889.9	5429.8	5320.7	4848.1	4663.5	4680.9	4176.9
3848.3	4253.6	4181.6	4015.5	4052.6	4180.4	3577.7
3083.0	3028.5	2862.4	2874.0	3088.9	3238.7	2575.6
2518.7	2039.1	1823.1	1828.9	2204.0	2359.6	1640.8
2396.8	1928.8	1571.1	1372.5	1603.6	1544.5	857.0
1707.0	1710.5	1419.1	1153.1	1117.1	949.8	534.2
404.1	323.9	231.1	171.8	181.1	119.6	60.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)