

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: P153313

Luminaire Tested: **VXS-F04-LED-E1-SLR-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P153313
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-F04-LED-E1-SLR-8030
Description: VISION SITE SMALL LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (28) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7754.5 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G3

Input Watts (W): 102.2
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

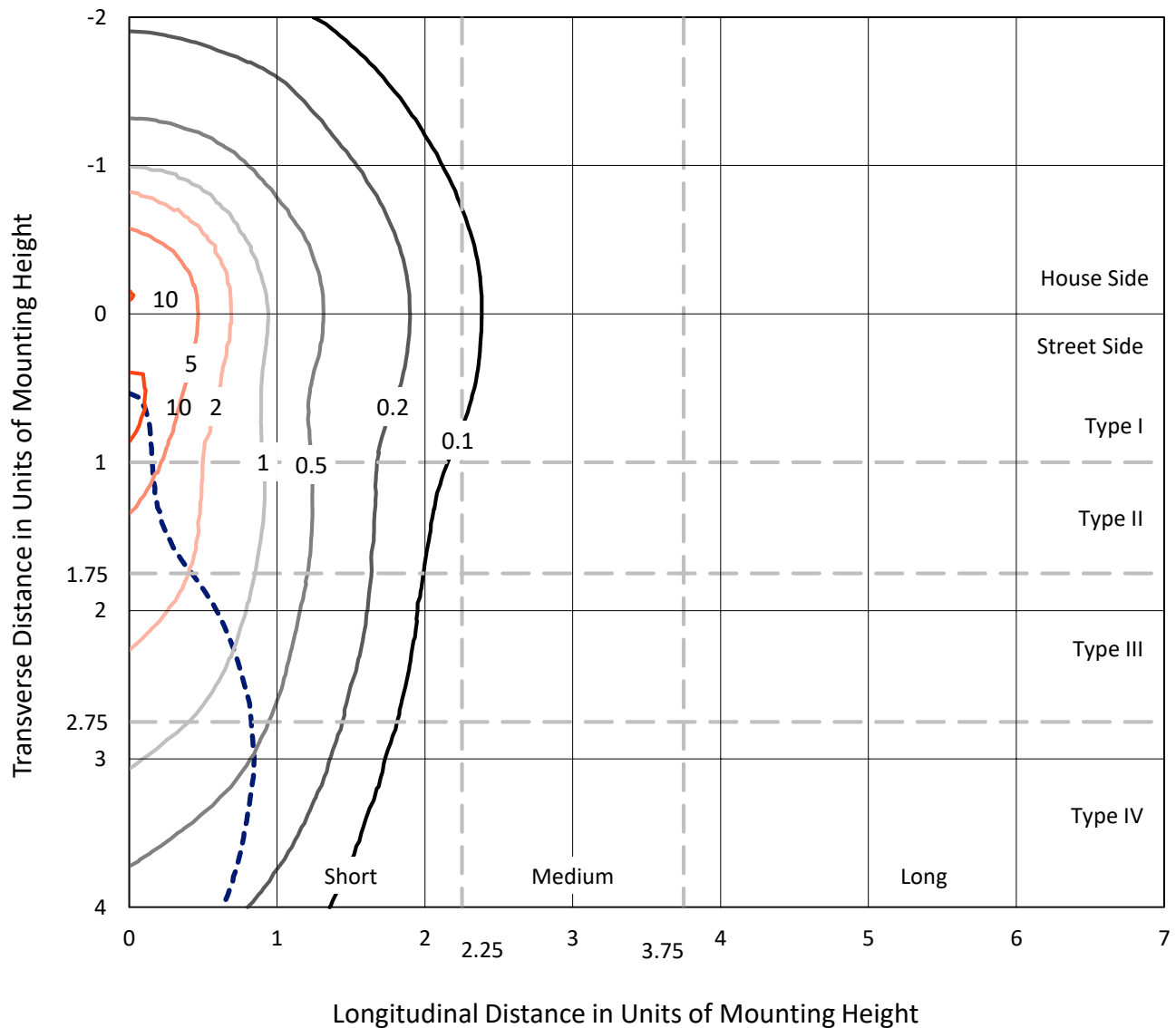


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

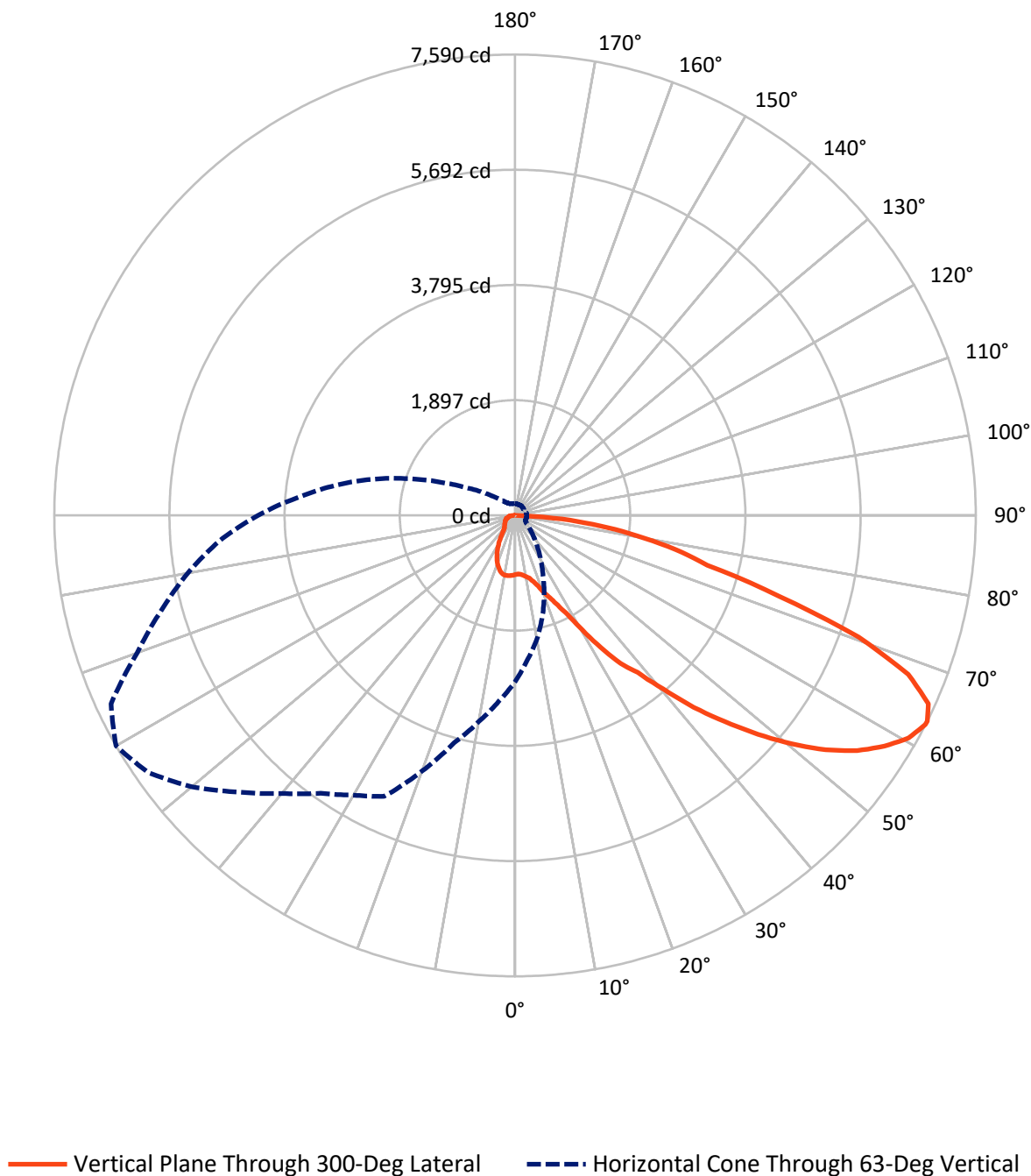


Based on 10 foot mounting height. Maximum calculated value = 12.2 fc
Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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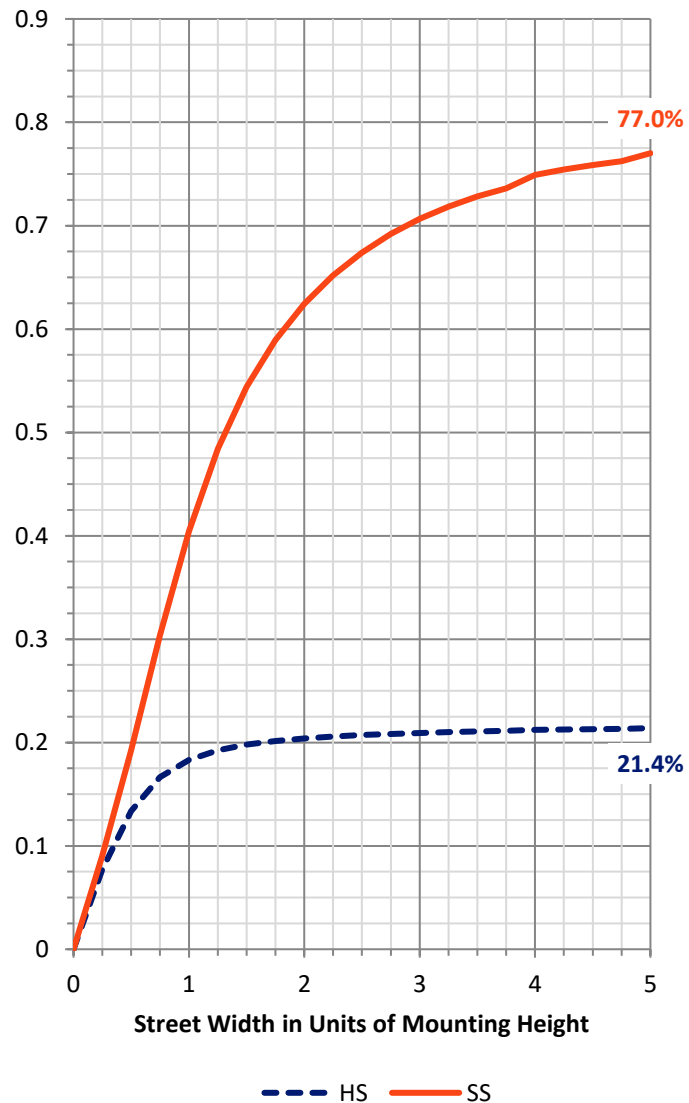
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1681.5	0.0	1681.5
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	6073.0	0.0	6073.0
	% Fixture	78.3	0.0	78.3
Total	Lumens	7754.5	0.0	7754.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.9	1.2
10°-20°	295.4	3.8
20°-30°	524.9	6.8
30°-40°	826.5	10.7
40°-50°	1216.4	15.7
50°-60°	1615.7	20.8
60°-70°	1779.7	23.0
70°-80°	1116.6	14.4
80°-90°	284.4	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°	7754.5	100.0
0°-180°	7754.5	100.0

Coefficient of Utilization



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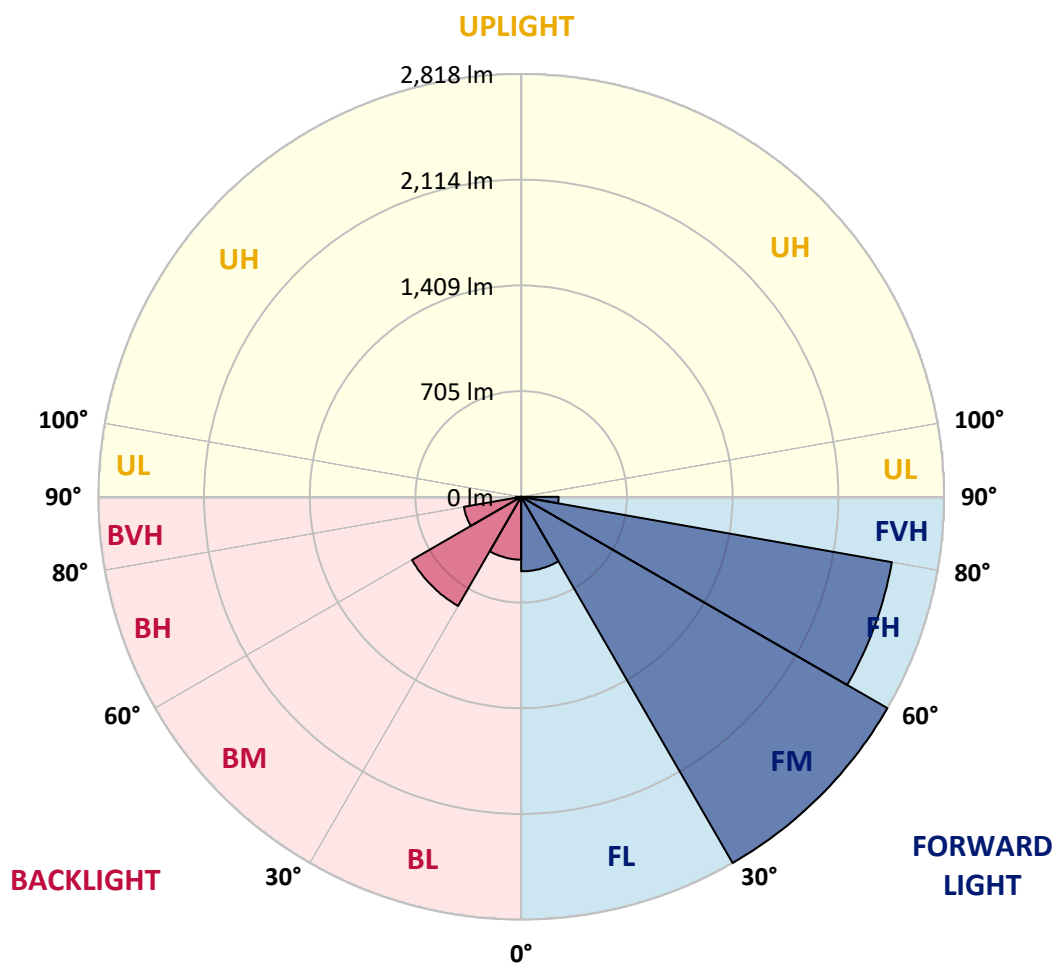
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	496.5	6.4			
FM	(30°-60°)	2818.2	36.3			
FH	(60°-80°)	2508.7	32.4			G2/5000
FVH	(80°-90°)	249.6	3.2			G3/500
BL	(0°-30°)	418.6	5.4	B1/500		
BM	(30°-60°)	840.5	10.8	B1/1000		
BH	(60°-80°)	387.6	5.0	B1/500		G1/500
BVH	(80°-90°)	34.8	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5
2.5°	961.5	964.2	963.3	963.3	965.2	964.2	964.2	965.2	965.2	968.0	971.7
5°	954.1	953.2	951.3	953.2	953.2	953.2	949.4	952.2	953.2	955.0	955.0
7.5°	963.3	960.5	956.9	957.8	957.8	956.0	953.2	954.1	953.2	953.2	952.2
10°	975.4	968.9	964.2	964.2	964.2	962.4	957.8	960.5	960.5	959.6	960.5
12.5°	996.8	989.3	983.8	982.0	982.0	979.2	975.4	979.2	977.3	977.3	975.4
15°	1032.1	1023.7	1017.2	1011.7	1012.5	1012.5	1008.0	1005.2	1001.5	996.8	987.5
17.5°	1085.1	1075.8	1067.4	1062.8	1063.7	1057.2	1044.1	1031.2	1013.5	995.9	976.4
20°	1160.3	1157.5	1146.3	1141.8	1130.6	1114.8	1078.5	1047.9	1013.5	980.1	946.6
22.5°	1290.4	1277.3	1266.2	1248.6	1211.4	1167.8	1107.4	1053.5	999.6	952.2	907.6
25°	1465.0	1441.8	1386.9	1333.1	1256.9	1178.9	1097.1	1027.5	960.5	898.3	843.5
27.5°	1636.9	1566.2	1468.7	1371.2	1259.7	1157.5	1055.3	972.6	894.6	826.8	766.4
30°	1845.0	1726.0	1576.5	1422.3	1264.4	1126.8	1004.2	907.6	817.5	746.0	682.8
32.5°	2040.0	1868.2	1672.1	1469.6	1274.6	1098.0	945.7	836.1	743.2	653.1	590.9
35°	2173.8	1950.9	1713.1	1474.3	1249.4	1043.2	872.3	743.2	650.3	566.6	493.3
37.5°	2253.7	1987.0	1714.9	1440.8	1191.0	968.9	779.4	651.2	565.7	485.9	428.3
40°	2303.8	1995.4	1690.8	1392.5	1116.7	875.1	686.5	571.3	493.3	429.2	384.6
42.5°	2328.0	1982.5	1651.7	1331.2	1041.3	791.5	621.5	512.7	445.0	399.5	366.0
45°	2331.7	1959.2	1609.9	1275.4	974.5	731.1	576.9	488.6	433.0	394.8	361.3
47.5°	2331.7	1938.8	1576.5	1234.6	930.9	705.1	573.2	498.9	444.0	401.3	361.3
50°	2333.6	1932.3	1562.6	1214.2	916.0	719.1	604.8	530.5	468.2	412.4	360.4
52.5°	2342.0	1940.6	1573.7	1229.9	942.9	774.8	664.2	577.8	499.8	425.5	360.4
55°	2360.5	1968.5	1621.0	1284.8	1015.3	859.3	735.8	628.9	524.9	431.1	354.9
57.5°	2412.5	2039.1	1707.5	1390.7	1139.0	956.9	800.8	665.2	534.2	426.4	343.7
60°	2516.6	2179.4	1855.1	1539.3	1269.9	1040.4	838.9	670.7	525.8	411.5	326.1
62.5°	2682.9	2340.1	2034.5	1700.9	1386.0	1086.9	843.5	656.8	503.5	384.6	300.1
63°	2740.5	2380.0	2072.5	1731.6	1400.9	1090.7	839.8	651.2	497.9	377.2	296.4
65°	2901.2	2548.2	2204.5	1839.4	1442.7	1091.5	819.4	623.3	471.9	348.4	270.4
67.5°	3201.2	2769.3	2370.8	1923.9	1457.6	1061.9	767.4	571.3	417.1	303.7	237.8
70°	3390.8	2892.8	2434.8	1925.8	1413.9	977.3	677.2	486.7	347.5	251.7	204.4
72.5°	3341.6	2771.2	2265.8	1752.0	1225.3	816.6	544.4	382.7	271.3	201.6	170.1
75°	2862.2	2306.6	1848.7	1357.2	926.2	600.1	398.5	273.2	200.6	157.9	142.2
77.5°	2060.5	1660.1	1325.7	967.0	624.2	388.3	264.8	195.1	152.3	130.1	117.1
80°	1312.6	973.6	811.0	581.6	365.1	240.6	182.1	147.7	125.4	108.7	100.3
82.5°	685.6	480.3	390.2	297.3	202.5	158.9	133.8	120.7	103.1	90.2	85.5
85°	427.4	283.3	209.9	146.7	101.2	91.1	83.6	81.8	73.4	65.1	62.3
87.5°	48.3	43.6	45.5	28.8	21.3	23.2	22.3	29.7	28.8	21.3	22.3
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°	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5
2.5°	968.0	969.8	969.8	972.6	972.6	974.5	976.4	976.4	978.2	979.2	981.0
5°	956.9	956.9	956.9	960.5	961.5	967.0	968.9	970.8	972.6	979.2	982.9
7.5°	954.1	950.4	952.2	952.2	955.0	959.6	964.2	967.0	969.8	978.2	983.8
10°	959.6	956.9	954.1	954.1	955.0	956.9	960.5	963.3	965.2	973.6	978.2
12.5°	974.5	968.0	962.4	957.8	954.1	953.2	951.3	952.2	954.1	958.8	965.2
15°	977.3	965.2	953.2	941.0	931.8	926.2	921.6	919.7	919.7	922.5	929.9
17.5°	958.8	938.2	920.6	904.9	894.6	884.4	879.8	876.1	874.2	877.9	878.9
20°	918.8	894.6	870.5	851.9	833.3	830.5	823.1	825.0	826.8	832.3	835.1
22.5°	863.9	835.1	805.4	785.9	771.1	758.0	749.6	753.4	756.2	761.8	764.6
25°	797.1	755.2	723.6	704.1	688.4	677.2	668.0	671.6	668.0	674.4	684.7
27.5°	718.1	668.9	635.4	613.2	602.0	592.6	583.4	583.4	592.6	592.6	601.0
30°	622.4	586.2	542.5	519.3	505.4	499.8	498.9	497.0	503.5	507.3	516.5
32.5°	532.3	487.7	445.9	423.6	411.5	405.1	406.0	406.9	409.6	415.2	430.2
35°	441.2	402.3	372.5	347.5	335.3	323.3	323.3	321.5	324.2	330.7	348.4
37.5°	382.7	348.4	325.2	305.6	293.6	286.1	279.6	276.8	276.8	279.6	286.1
40°	350.3	325.2	303.7	287.0	276.0	269.4	265.7	262.9	261.0	261.0	262.0
42.5°	335.3	309.3	288.0	273.2	264.8	261.0	260.1	259.2	256.4	255.4	254.5
45°	328.0	298.2	274.1	262.0	255.4	253.6	254.5	254.5	253.6	251.7	248.1
47.5°	322.4	288.0	263.8	252.6	249.8	249.8	249.8	249.8	249.0	248.1	245.3
50°	313.1	272.2	246.2	237.8	236.0	236.0	236.9	236.9	238.8	236.9	235.0
52.5°	302.8	257.3	231.3	223.8	223.0	222.1	222.1	222.1	223.0	223.0	222.1
55°	291.7	246.2	223.8	218.3	219.3	218.3	217.4	216.5	216.5	215.5	213.7
57.5°	280.5	236.9	218.3	214.6	215.5	215.5	213.7	211.8	210.9	208.1	206.2
60°	263.8	223.8	207.2	205.3	208.1	208.1	208.1	207.2	207.2	206.2	201.6
62.5°	241.6	205.3	192.3	193.3	194.2	196.1	196.1	196.1	196.1	194.2	189.5
63°	236.9	201.6	189.5	189.5	192.3	192.3	193.3	192.3	193.3	191.4	185.8
65°	218.3	189.5	180.2	181.1	183.0	183.0	183.0	182.1	182.1	179.3	176.5
67.5°	197.0	174.6	169.1	170.1	170.9	172.7	171.8	171.8	172.7	170.9	168.2
70°	172.7	158.9	155.1	156.1	157.0	157.0	156.1	156.1	157.0	155.1	152.3
72.5°	154.2	148.6	145.8	145.8	144.0	144.0	142.2	141.2	140.3	140.3	137.5
75°	130.1	129.1	130.1	131.9	130.1	128.2	127.3	124.5	122.6	122.6	121.7
77.5°	111.5	111.5	113.4	116.2	117.1	117.1	114.3	109.6	108.7	108.7	108.7
80°	96.6	94.7	94.7	97.5	100.3	99.4	94.7	90.2	90.2	94.7	95.6
82.5°	84.6	84.6	81.8	82.7	81.8	80.8	76.2	73.4	72.4	76.2	79.9
85°	66.8	67.8	66.8	65.9	65.1	62.3	58.5	55.8	54.8	58.5	64.1
87.5°	26.9	26.0	25.1	26.0	25.1	26.9	26.0	24.1	23.2	26.0	31.6
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°	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5
2.5°	982.0	983.8	985.7	985.7	987.5	986.5	987.5	988.4	988.4	989.3	989.3
5°	987.5	990.3	994.0	997.7	998.7	1001.5	1004.2	1002.4	1005.2	1008.9	1008.9
7.5°	989.3	995.9	998.7	1004.2	1005.2	1008.9	1015.3	1010.8	1016.3	1019.1	1020.0
10°	986.5	993.1	997.7	1004.2	1007.0	1013.5	1020.0	1018.1	1024.7	1029.3	1030.3
12.5°	969.8	976.4	986.5	995.9	1003.3	1013.5	1025.6	1021.9	1031.2	1036.8	1039.5
15°	937.3	943.8	955.0	969.8	983.8	999.6	1015.3	1018.1	1027.5	1034.0	1036.8
17.5°	886.2	894.6	906.7	922.5	940.1	967.0	987.5	997.7	1010.8	1014.4	1019.1
20°	838.9	847.3	854.6	863.9	877.0	903.0	929.9	950.4	967.0	981.0	984.8
22.5°	775.6	783.1	792.4	799.9	809.1	827.8	850.1	873.3	899.3	907.6	916.9
25°	699.5	704.1	717.2	721.9	728.3	744.1	761.8	778.4	803.5	821.2	825.9
27.5°	617.8	622.4	634.5	637.3	645.6	660.5	673.5	680.0	703.2	721.9	736.7
30°	523.0	535.1	549.9	551.8	561.1	570.4	582.5	589.0	610.4	629.8	648.4
32.5°	441.2	453.4	465.4	472.8	477.5	485.0	497.0	503.5	523.9	541.6	560.2
35°	357.6	372.5	385.5	395.8	399.5	408.7	418.0	424.6	445.9	461.7	474.7
37.5°	294.5	305.6	319.6	329.7	340.0	346.5	357.6	366.9	380.0	388.3	402.3
40°	263.8	269.4	276.8	285.2	293.6	301.0	309.3	316.8	325.2	336.3	345.6
42.5°	253.6	254.5	254.5	257.3	262.0	265.7	273.2	278.7	284.2	292.6	297.3
45°	246.2	245.3	243.4	241.6	242.5	244.4	249.0	252.6	259.2	262.9	263.8
47.5°	242.5	238.8	235.0	232.2	231.3	232.2	236.0	239.7	243.4	246.2	247.2
50°	230.4	227.6	222.1	218.3	216.5	218.3	223.0	224.8	228.5	231.3	232.2
52.5°	218.3	214.6	210.9	207.2	207.2	208.1	211.8	215.5	219.3	220.2	222.1
55°	210.9	205.3	201.6	198.8	197.0	199.7	202.5	207.2	211.8	212.7	214.6
57.5°	203.4	197.8	194.2	191.4	189.5	192.3	195.1	201.6	207.2	207.2	207.2
60°	198.8	194.2	188.6	185.8	183.0	185.8	189.5	196.1	201.6	200.6	199.7
62.5°	185.8	181.1	178.3	178.3	175.5	180.2	183.9	191.4	192.3	190.5	188.6
63°	182.1	178.3	176.5	176.5	174.6	179.3	183.0	189.5	189.5	187.7	185.8
65°	172.7	170.1	168.2	170.1	170.1	174.6	175.5	180.2	179.3	176.5	175.5
67.5°	165.4	163.5	161.7	161.7	161.7	162.6	163.5	165.4	164.5	163.5	164.5
70°	153.3	152.3	150.5	150.5	149.5	149.5	149.5	150.5	150.5	151.4	152.3
72.5°	138.4	136.6	136.6	137.5	135.6	136.6	137.5	136.6	138.4	138.4	139.4
75°	121.7	120.7	122.6	124.5	123.5	123.5	124.5	124.5	125.4	125.4	126.3
77.5°	108.7	109.6	110.6	112.4	113.4	113.4	113.4	112.4	113.4	113.4	114.3
80°	96.6	98.4	100.3	102.2	103.1	103.1	103.1	102.2	102.2	102.2	102.2
82.5°	87.4	90.2	92.0	92.8	92.8	92.8	92.8	92.8	92.8	91.1	89.2
85°	73.4	79.0	79.0	79.9	77.1	75.2	73.4	74.3	75.2	71.5	70.6
87.5°	37.2	37.2	39.1	40.8	41.8	41.8	47.4	44.6	43.6	42.7	40.8
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°	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5
2.5°	990.3	989.3	991.2	989.3	990.3	991.2	989.3	992.1	994.0	991.2	988.4
5°	1010.8	1010.8	1015.3	1017.2	1018.1	1023.7	1020.9	1022.8	1024.7	1023.7	1024.7
7.5°	1023.7	1027.5	1032.1	1036.8	1037.7	1042.3	1041.3	1044.1	1046.0	1050.7	1050.7
10°	1034.9	1039.5	1046.0	1050.7	1055.3	1059.1	1060.9	1066.4	1067.4	1071.1	1071.1
12.5°	1045.1	1050.7	1057.2	1064.7	1069.2	1076.7	1077.6	1086.0	1088.8	1089.7	1086.9
15°	1043.2	1049.7	1057.2	1065.5	1073.9	1083.2	1088.8	1097.1	1101.8	1103.6	1099.0
17.5°	1025.6	1031.2	1040.4	1051.6	1061.9	1073.9	1084.1	1096.2	1103.6	1105.5	1104.6
20°	991.2	994.9	1007.0	1021.9	1034.0	1052.5	1067.4	1086.0	1098.0	1107.4	1110.2
22.5°	923.4	932.7	944.8	961.5	979.2	1002.4	1023.7	1050.7	1076.7	1099.0	1121.2
25°	841.7	858.3	877.0	899.3	920.6	944.8	968.9	999.6	1037.7	1084.1	1137.1
27.5°	759.0	787.8	811.0	839.8	864.9	889.0	916.0	949.4	991.2	1046.9	1114.8
30°	675.3	707.9	733.0	766.4	799.9	832.3	859.3	894.6	935.4	992.1	1066.4
32.5°	586.2	618.7	648.4	679.1	716.3	755.2	787.8	831.4	875.1	933.6	1008.9
35°	494.2	523.0	548.1	580.6	621.5	663.3	706.0	756.2	803.5	864.9	944.8
37.5°	414.3	434.7	459.0	487.7	519.3	563.9	612.2	671.6	725.5	792.4	874.2
40°	348.4	359.5	373.5	397.6	426.4	470.1	517.4	580.6	645.6	719.1	798.0
42.5°	297.3	302.8	306.5	322.4	345.6	388.3	433.8	495.1	566.6	646.5	726.4
45°	263.8	266.6	267.6	276.0	292.6	329.7	377.2	429.2	497.9	576.0	659.6
47.5°	248.1	250.8	252.6	254.5	264.8	293.6	336.3	385.5	448.7	520.2	605.7
50°	235.0	237.8	240.6	239.7	244.4	262.9	299.2	344.7	404.1	470.1	554.6
52.5°	222.1	223.8	223.8	223.8	226.6	238.8	264.8	306.5	361.3	423.6	507.3
55°	214.6	216.5	217.4	218.3	219.3	225.7	245.3	278.7	326.1	383.6	459.0
57.5°	207.2	208.1	209.9	210.9	212.7	216.5	228.5	252.6	292.6	340.9	404.1
60°	200.6	202.5	206.2	207.2	209.0	209.9	215.5	230.4	256.4	293.6	344.7
62.5°	190.5	193.3	197.0	197.8	199.7	200.6	201.6	209.9	222.1	244.4	282.4
63°	187.7	190.5	195.1	196.1	197.0	197.0	197.8	203.4	214.6	234.1	262.0
65°	177.4	181.1	183.9	184.9	185.8	185.8	184.9	186.7	187.7	196.1	212.7
67.5°	166.3	169.1	170.9	171.8	170.9	171.8	170.9	169.1	167.3	169.1	176.5
70°	155.1	157.0	157.0	157.9	158.9	159.8	157.9	156.1	154.2	153.3	157.9
72.5°	142.2	144.0	144.0	144.9	144.9	146.7	146.7	145.8	145.8	146.7	147.7
75°	129.1	131.0	130.1	131.9	131.9	134.7	134.7	135.6	137.5	136.6	135.6
77.5°	117.1	118.0	118.0	118.9	119.8	124.5	127.3	128.2	128.2	126.3	124.5
80°	104.0	104.0	102.2	101.2	102.2	106.8	112.4	113.4	116.2	115.2	116.2
82.5°	87.4	83.6	80.8	80.8	82.7	85.5	87.4	89.2	91.1	91.1	92.8
85°	66.8	63.2	60.4	61.3	64.1	65.1	64.1	64.1	67.8	70.6	67.8
87.5°	39.9	36.3	34.4	31.6	32.5	35.3	34.4	31.6	32.5	26.0	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

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5
2.5°	990.3	989.3	987.5	984.8	983.8	982.0	982.9	980.1	978.2	976.4	973.6
5°	1024.7	1024.7	1019.1	1019.1	1016.3	1015.3	1008.9	1006.1	1000.5	1002.4	995.9
7.5°	1048.8	1051.6	1045.1	1044.1	1040.4	1039.5	1031.2	1028.4	1023.7	1021.9	1016.3
10°	1066.4	1066.4	1058.1	1051.6	1046.9	1042.3	1034.0	1030.3	1026.5	1027.5	1023.7
12.5°	1080.4	1073.9	1061.9	1052.5	1046.0	1041.3	1034.9	1032.1	1031.2	1037.7	1038.5
15°	1091.5	1082.3	1067.4	1060.9	1055.3	1054.4	1054.4	1057.2	1063.7	1075.8	1085.1
17.5°	1098.0	1092.4	1085.1	1083.2	1092.4	1098.0	1105.5	1113.9	1123.1	1139.9	1150.1
20°	1110.2	1113.9	1119.4	1126.8	1141.8	1155.6	1165.0	1177.0	1188.2	1208.6	1225.3
22.5°	1141.8	1163.1	1180.7	1195.6	1217.9	1237.4	1249.4	1266.2	1274.6	1288.5	1314.5
25°	1182.6	1226.2	1263.4	1295.0	1329.3	1349.8	1366.5	1387.9	1400.9	1424.1	1447.4
27.5°	1170.5	1232.7	1288.5	1347.0	1394.4	1447.4	1484.6	1519.8	1542.1	1576.5	1607.2
30°	1133.4	1207.7	1282.9	1360.0	1435.2	1511.5	1582.1	1646.1	1695.4	1744.7	1794.8
32.5°	1083.2	1168.7	1260.6	1355.3	1453.9	1559.8	1657.3	1753.9	1835.6	1907.2	1976.9
35°	1025.6	1122.2	1217.9	1334.9	1456.7	1591.3	1726.9	1860.7	1985.2	2111.6	2197.0
37.5°	956.9	1055.3	1162.2	1296.9	1439.9	1606.2	1779.0	1953.7	2130.2	2300.2	2447.9
40°	883.4	983.8	1096.2	1242.1	1403.7	1596.9	1812.4	2047.5	2289.9	2536.2	2732.1
42.5°	818.4	921.6	1044.1	1191.9	1367.5	1584.9	1839.4	2128.3	2424.7	2729.3	3017.3
45°	755.2	868.6	997.7	1156.6	1351.7	1594.1	1879.4	2203.5	2545.4	2915.1	3266.3
47.5°	698.5	813.8	939.2	1113.0	1328.4	1598.8	1918.3	2278.8	2659.7	3060.1	3477.2
50°	647.5	759.0	882.5	1057.2	1292.2	1596.0	1953.7	2346.6	2758.1	3174.3	3639.8
52.5°	597.3	710.7	837.0	1003.3	1247.7	1580.2	1970.4	2402.4	2849.2	3289.5	3770.8
55°	548.1	659.6	786.8	952.2	1189.1	1539.3	1968.5	2438.5	2921.7	3398.2	3897.1
57.5°	490.5	596.4	720.9	895.5	1126.8	1476.2	1940.6	2455.3	2983.9	3506.0	4048.5
60°	419.0	518.3	638.2	812.8	1045.1	1395.3	1882.1	2446.0	3020.1	3585.9	4177.6
62.5°	330.7	417.1	526.7	697.6	942.9	1279.2	1772.5	2361.5	2962.5	3574.7	4238.0
63°	312.1	393.9	500.7	669.8	899.3	1247.7	1740.0	2328.0	2934.6	3551.5	4229.6
65°	250.8	303.7	389.2	540.6	752.4	1092.4	1578.3	2156.2	2785.1	3388.0	4108.9
67.5°	192.3	219.3	264.8	370.7	532.3	859.3	1278.2	1827.3	2417.2	2983.9	3719.7
70°	164.5	176.5	196.1	246.2	338.1	542.5	897.4	1362.8	1873.8	2365.2	3026.6
72.5°	149.5	155.1	165.4	186.7	232.2	325.2	572.2	887.2	1274.6	1686.1	2197.0
75°	137.5	142.2	150.5	161.7	178.3	216.5	326.1	542.5	828.6	1107.4	1482.7
77.5°	125.4	128.2	137.5	147.7	158.9	178.3	215.5	312.1	476.6	653.1	893.7
80°	115.2	113.4	119.8	136.6	147.7	158.9	170.1	202.5	271.3	357.6	483.1
82.5°	92.0	93.8	99.4	116.2	120.7	118.0	119.8	125.4	151.4	165.4	247.2
85°	62.3	57.6	56.7	58.5	58.5	55.8	55.8	54.8	60.4	68.7	118.0
87.5°	16.7	8.4	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°	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	0°
2.5°	971.7	970.8	971.7	967.0	967.0	966.1	965.2	963.3	963.3	959.6	962.4	2.5°
5°	990.3	988.4	984.8	979.2	976.4	972.6	972.6	968.9	966.1	962.4	963.3	5°
7.5°	1011.7	1012.5	1006.1	1001.5	999.6	995.9	996.8	991.2	992.1	989.3	987.5	7.5°
10°	1023.7	1023.7	1025.6	1024.7	1026.5	1026.5	1029.3	1025.6	1023.7	1020.9	1020.9	10°
12.5°	1043.2	1046.9	1054.4	1054.4	1060.0	1061.9	1062.8	1064.7	1060.9	1059.1	1052.5	12.5°
15°	1091.5	1100.8	1107.4	1116.7	1127.8	1131.5	1131.5	1127.8	1125.9	1123.1	1111.1	15°
17.5°	1171.4	1191.9	1197.4	1212.3	1214.2	1218.9	1231.8	1224.4	1219.8	1200.2	1196.5	17.5°
20°	1253.2	1279.2	1305.2	1323.8	1333.1	1351.7	1354.4	1350.8	1332.1	1313.6	1305.2	20°
22.5°	1351.7	1390.7	1420.4	1449.2	1463.1	1472.4	1492.8	1488.2	1473.4	1445.5	1434.3	22.5°
25°	1491.0	1539.3	1570.9	1606.2	1624.8	1634.1	1654.5	1654.5	1638.8	1630.4	1629.4	25°
27.5°	1666.6	1726.0	1778.0	1790.2	1838.4	1849.6	1869.1	1869.1	1854.2	1844.0	1893.3	27.5°
30°	1861.7	1923.9	2014.0	2074.4	2133.0	2190.6	2189.6	2193.4	2211.0	2220.3	2241.7	30°
32.5°	2056.8	2133.9	2229.5	2360.5	2485.9	2592.7	2731.2	2819.5	2792.5	2717.3	2687.6	32.5°
35°	2293.7	2379.2	2495.2	2627.2	2856.6	2995.0	3062.0	3109.3	3114.9	3125.1	3146.4	35°
37.5°	2557.5	2700.5	2835.2	2984.8	3112.1	3280.2	3435.3	3559.9	3588.6	3647.2	3613.8	37.5°
40°	2891.0	3050.8	3192.0	3385.2	3556.2	3758.7	3980.7	4151.6	4220.3	4198.0	4030.9	40°
42.5°	3240.3	3438.1	3603.5	3831.1	4053.2	4320.7	4550.2	4788.9	4831.6	4659.8	4409.8	42.5°
45°	3561.8	3806.9	4012.2	4249.1	4520.4	4840.9	5147.5	5392.7	5384.4	5089.8	4755.4	45°
47.5°	3850.7	4151.6	4402.5	4710.9	5002.6	5384.4	5736.5	5917.6	5810.8	5462.4	5052.7	47.5°
50°	4089.3	4464.7	4774.0	5086.2	5456.8	5916.7	6255.8	6357.9	6151.7	5772.6	5341.7	50°
52.5°	4281.7	4752.6	5100.1	5459.6	5927.9	6411.8	6703.5	6665.4	6398.9	6009.5	5580.4	52.5°
55°	4444.2	4972.8	5387.2	5811.7	6392.3	6838.2	7032.4	6930.2	6557.7	6162.9	5743.9	55°
57.5°	4612.4	5186.5	5651.0	6143.3	6789.9	7172.6	7280.4	7070.5	6633.0	6221.3	5814.5	57.5°
60°	4780.5	5364.9	5884.1	6433.2	7090.9	7445.8	7416.1	7102.1	6610.7	6178.7	5767.2	60°
62.5°	4893.9	5470.8	6019.8	6611.6	7316.7	7585.1	7403.0	6989.6	6481.5	6010.5	5625.9	62.5°
63°	4896.7	5474.5	6028.2	6623.6	7341.8	7589.7	7377.9	6949.7	6440.6	5976.2	5584.1	63°
65°	4838.1	5404.8	5953.9	6568.8	7320.4	7482.9	7161.6	6713.8	6207.5	5738.3	5366.7	65°
67.5°	4539.0	5116.8	5601.8	6181.5	6937.6	6984.0	6581.9	6220.4	5765.3	5279.4	4891.1	67.5°
70°	3936.1	4416.4	4892.0	5376.1	6010.5	6002.2	5624.0	5440.1	5041.6	4487.9	4176.7	70°
72.5°	3130.7	3561.8	3896.2	4220.3	4638.4	4553.9	4310.5	4361.6	4103.3	3689.9	3505.1	72.5°
75°	2324.4	2798.1	2961.6	3093.5	3270.1	3271.0	3337.8	3482.8	3479.1	3249.5	3016.4	75°
77.5°	1524.5	2042.8	2097.6	2203.5	2415.3	2703.3	3000.6	3320.2	3400.1	3219.0	2874.3	77.5°
80°	850.1	1388.8	1325.7	1416.7	1645.2	2036.4	2474.8	2827.8	3036.0	2934.6	2569.5	80°
82.5°	434.7	800.8	765.5	891.8	1076.7	1416.7	1706.5	1977.8	2223.0	2209.1	2070.7	82.5°
85°	225.7	438.4	498.9	564.9	657.7	779.4	889.0	968.0	1070.2	1250.4	1311.7	85°
87.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.0	66.8	48.3	132.8	189.5	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°
974.5	974.5	974.5	974.5	974.5	974.5	974.5
963.3	964.2	962.4	962.4	963.3	963.3	961.5
961.5	961.5	959.6	957.8	956.0	956.0	954.1
982.9	982.9	976.4	973.6	968.9	965.2	963.3
1014.4	1008.9	1001.5	995.9	988.4	980.1	975.4
1046.0	1037.7	1028.4	1020.0	1010.8	1001.5	996.8
1098.0	1086.9	1074.8	1064.7	1051.6	1037.7	1032.1
1177.9	1160.3	1144.5	1129.6	1106.4	1096.2	1085.1
1283.8	1257.8	1237.4	1212.3	1183.5	1174.2	1160.3
1412.0	1389.7	1348.9	1330.3	1301.5	1287.6	1290.4
1607.2	1578.3	1531.0	1513.3	1510.6	1479.9	1465.0
1861.7	1863.5	1819.9	1772.5	1746.5	1698.1	1636.9
2223.9	2198.9	2147.8	2099.5	2038.1	1947.2	1845.0
2662.5	2606.7	2522.2	2432.0	2323.4	2183.1	2040.0
3090.7	2993.2	2858.4	2708.0	2551.0	2376.4	2173.8
3466.9	3315.5	3114.0	2941.1	2719.2	2500.8	2253.7
3810.7	3623.0	3362.9	3139.1	2877.1	2596.5	2303.8
4143.2	3905.4	3586.8	3283.9	2987.6	2660.6	2328.0
4460.0	4153.5	3775.3	3414.9	3068.4	2702.4	2331.7
4703.4	4369.0	3944.5	3509.7	3124.1	2734.0	2331.7
4929.2	4551.1	4073.6	3584.0	3176.2	2755.3	2333.6
5104.8	4679.3	4157.2	3637.0	3217.1	2771.2	2342.0
5232.0	4762.9	4213.0	3669.4	3246.8	2793.5	2360.5
5321.2	4817.7	4243.6	3698.2	3283.0	2832.4	2412.5
5363.9	4919.0	4294.7	3755.9	3345.3	2915.1	2516.6
5331.4	5076.0	4440.5	3853.4	3431.6	3044.2	2682.9
5317.5	5104.8	4480.5	3874.8	3451.2	3072.1	2740.5
5208.8	5133.6	4644.9	3982.6	3544.0	3195.6	2901.2
4871.6	5020.2	4783.3	4164.7	3743.8	3495.8	3201.2
4434.9	4852.0	4758.2	4187.9	3871.1	3742.0	3390.8
3911.9	4343.9	4256.6	3878.4	3730.8	3744.8	3341.6
3078.7	3402.9	3345.3	3212.4	3242.2	3344.4	2862.2
2466.4	2422.8	2289.9	2299.3	2471.1	2590.9	2060.5
2014.9	1631.3	1458.5	1463.1	1763.2	1887.7	1312.6
1917.4	1543.0	1256.9	1098.0	1282.9	1235.5	685.6
1365.6	1368.4	1135.2	922.5	893.7	759.9	427.4
323.3	259.2	184.9	137.5	144.9	95.6	48.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)