

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: P153300

Luminaire Tested: **VXS-E03-LED-E1-SLR**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P153300
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-E03-LED-E1-SLR
Description: VISION SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (63) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8347.4 lumens
Efficiency: N/A
Efficacy: 111.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G3

Input Watts (W): 75.2
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



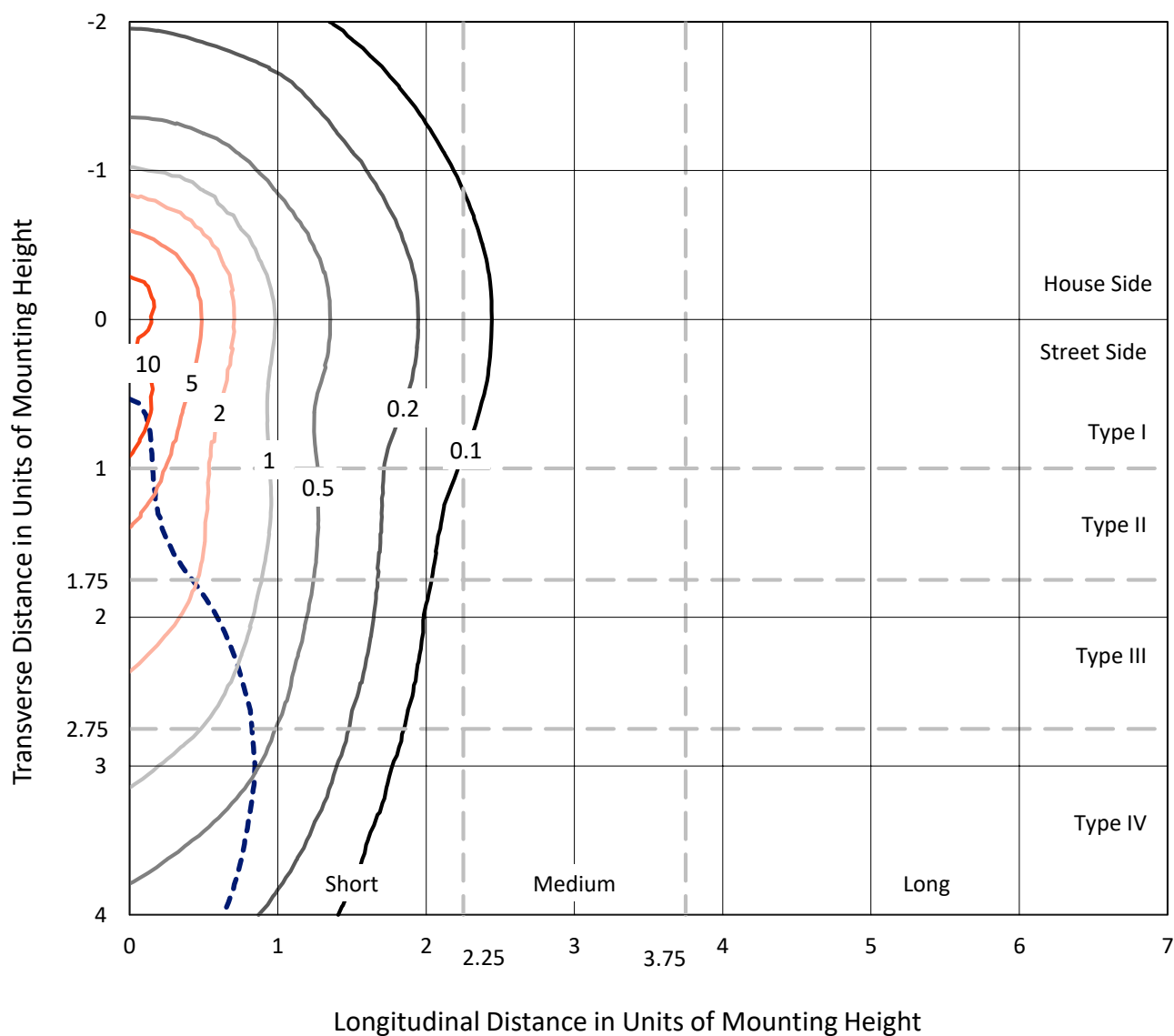
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

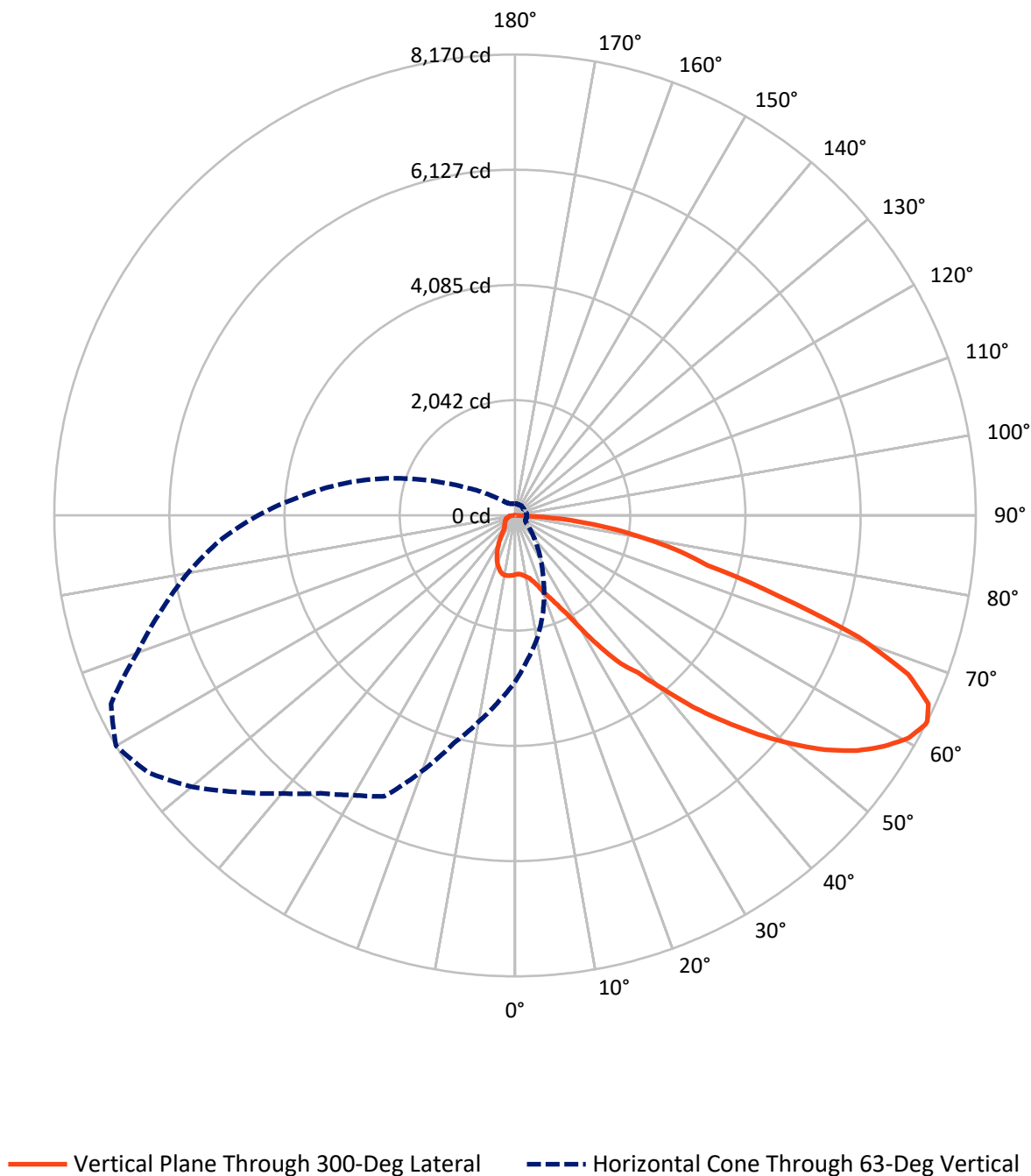


Based on 10 foot mounting height. Maximum calculated value = 13.1 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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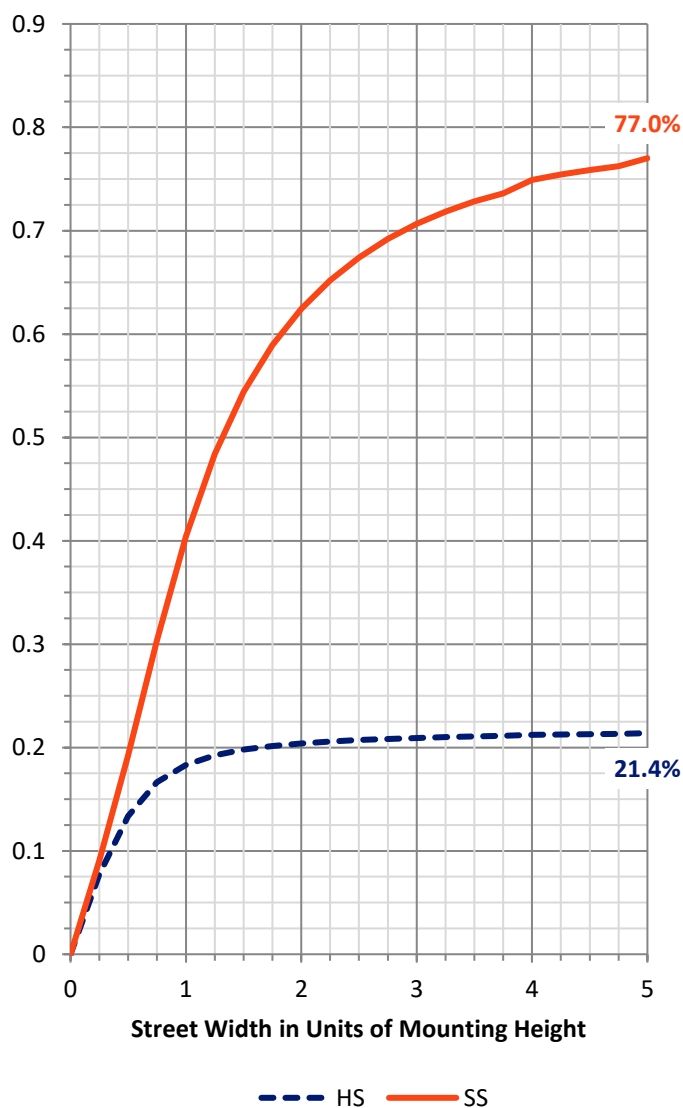
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1810.1	0.0	1810.1
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	6537.3	0.0	6537.3
	% Fixture	78.3	0.0	78.3
Total	Lumens	8347.4	0.0	8347.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.1	1.2
10°-20°	318.0	3.8
20°-30°	565.0	6.8
30°-40°	889.7	10.7
40°-50°	1309.4	15.7
50°-60°	1739.2	20.8
60°-70°	1915.8	23.0
70°-80°	1202.0	14.4
80°-90°	306.1	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°	8347.4	100.0
0°-180°	8347.4	100.0

Coefficient of Utilization



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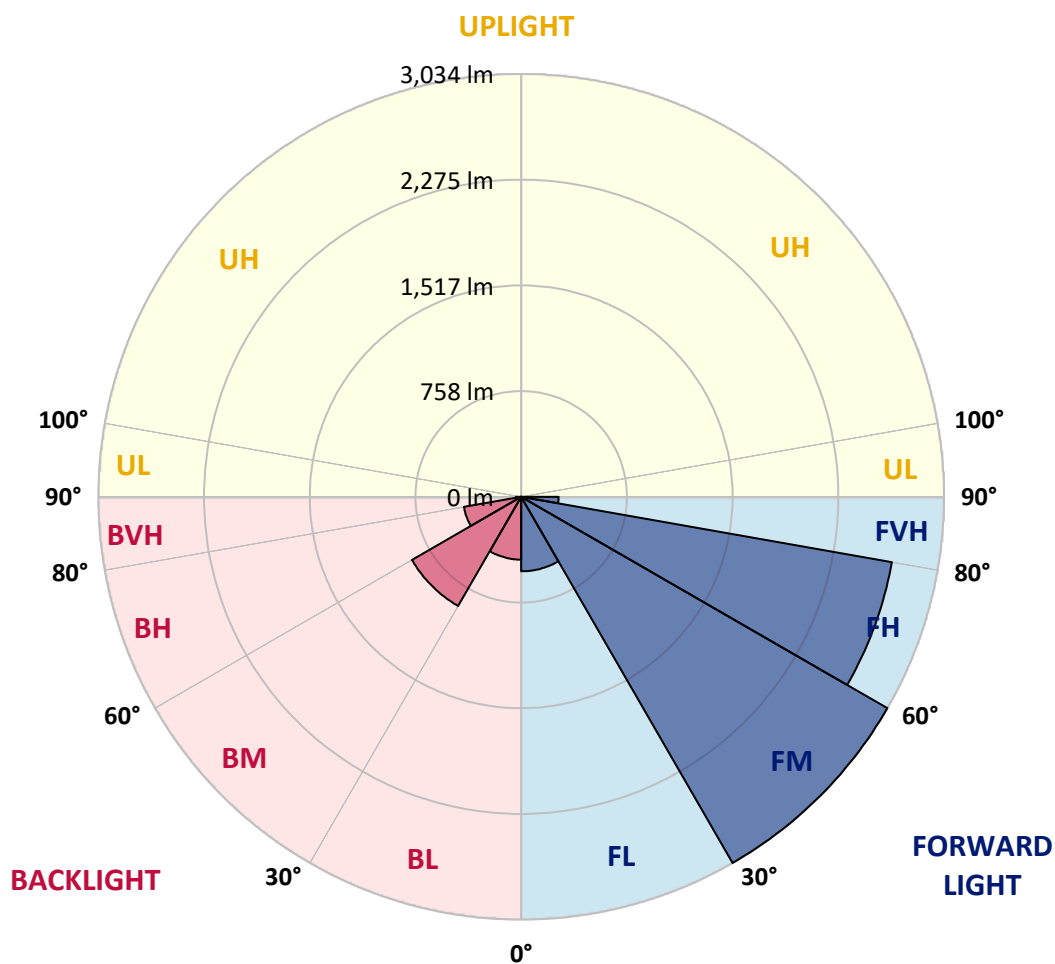
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	534.5	6.4			
FM	(30°-60°)	3033.6	36.3			
FH	(60°-80°)	2700.5	32.4			G2/5000
FVH	(80°-90°)	268.6	3.2			G3/500
BL	(0°-30°)	450.6	5.4	B1/500		
BM	(30°-60°)	904.7	10.8	B1/1000		
BH	(60°-80°)	417.2	5.0	B1/500		G1/500
BVH	(80°-90°)	37.5	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0
2.5°	1035.0	1038.0	1037.0	1037.0	1039.0	1038.0	1038.0	1039.0	1039.0	1042.0	1046.0
5°	1027.0	1026.0	1024.0	1026.0	1026.0	1026.0	1022.0	1025.0	1026.0	1028.0	1028.0
7.5°	1037.0	1034.0	1030.1	1031.0	1031.0	1029.0	1026.0	1027.0	1026.0	1026.0	1025.0
10°	1049.9	1043.0	1038.0	1038.0	1038.0	1036.0	1031.0	1034.0	1034.0	1033.0	1034.0
12.5°	1073.0	1065.0	1059.0	1057.0	1057.0	1054.0	1049.9	1054.0	1052.0	1052.0	1049.9
15°	1111.0	1102.0	1095.0	1089.0	1089.9	1089.9	1085.0	1082.0	1078.0	1073.0	1063.0
17.5°	1168.0	1158.0	1149.0	1144.0	1145.0	1138.0	1124.0	1109.9	1091.0	1072.0	1051.0
20°	1249.0	1246.0	1234.0	1229.0	1217.0	1200.0	1161.0	1128.0	1091.0	1055.0	1019.0
22.5°	1389.0	1375.0	1363.0	1344.0	1304.0	1257.0	1192.0	1134.0	1076.0	1025.0	977.0
25°	1577.0	1552.0	1493.0	1435.0	1353.0	1269.0	1181.0	1106.0	1034.0	967.0	908.0
27.5°	1762.0	1686.0	1581.0	1476.0	1356.0	1246.0	1136.0	1047.0	963.0	889.9	825.0
30°	1986.0	1858.0	1697.0	1531.0	1361.0	1213.0	1081.0	977.0	880.0	803.0	735.0
32.5°	2196.0	2011.0	1800.0	1582.0	1372.0	1182.0	1018.0	900.0	800.0	703.0	636.0
35°	2340.0	2100.0	1844.0	1587.0	1345.0	1123.0	939.0	800.0	700.0	609.9	531.0
37.5°	2426.0	2139.0	1846.0	1551.0	1282.0	1043.0	839.0	701.0	609.0	523.0	461.0
40°	2480.0	2148.0	1820.0	1499.0	1202.0	942.0	739.0	615.0	531.0	462.0	414.0
42.5°	2506.0	2134.0	1778.0	1433.0	1121.0	852.0	669.0	552.0	479.0	430.1	394.0
45°	2510.1	2109.0	1733.0	1373.0	1049.0	787.0	621.0	526.0	466.0	425.0	389.0
47.5°	2510.1	2087.0	1697.0	1329.0	1002.0	759.0	617.0	537.0	478.0	432.0	389.0
50°	2512.0	2080.0	1682.0	1307.0	986.0	774.0	651.0	571.0	504.0	444.0	388.0
52.5°	2521.0	2089.0	1694.0	1324.0	1015.0	834.0	715.0	622.0	538.0	458.0	388.0
55°	2541.0	2119.0	1745.0	1383.0	1093.0	925.0	792.0	677.0	565.0	464.0	382.0
57.5°	2597.0	2195.0	1838.0	1497.0	1226.0	1030.1	862.0	716.0	575.0	459.0	369.9
60°	2709.0	2346.0	1997.0	1657.0	1367.0	1120.0	903.0	722.0	566.0	443.0	351.0
62.5°	2888.0	2519.0	2190.1	1831.0	1492.0	1169.9	908.0	707.0	542.0	414.0	323.0
63°	2950.1	2562.0	2231.0	1864.0	1508.0	1174.0	904.0	701.0	536.0	406.0	319.0
65°	3123.0	2743.0	2373.0	1980.0	1553.0	1175.0	882.0	671.0	508.0	375.0	291.0
67.5°	3446.0	2981.0	2552.0	2071.0	1569.0	1143.0	826.0	615.0	449.0	327.0	256.0
70°	3649.9	3114.0	2621.0	2073.0	1522.0	1052.0	729.0	524.0	374.0	271.0	220.0
72.5°	3597.0	2983.0	2439.0	1886.0	1319.0	879.0	586.0	412.0	292.0	217.0	183.0
75°	3081.0	2483.0	1990.1	1461.0	997.0	646.0	429.0	294.0	216.0	169.9	153.0
77.5°	2218.0	1787.0	1427.0	1041.0	672.0	418.0	285.0	209.9	164.0	140.0	126.0
80°	1413.0	1048.0	873.0	626.0	393.0	259.0	196.0	159.0	135.0	117.0	108.0
82.5°	738.0	517.0	420.0	320.0	218.0	171.0	144.0	129.9	111.0	97.0	92.0
85°	460.0	305.0	226.0	158.0	109.0	98.0	89.9	88.0	79.0	70.1	67.0
87.5°	52.0	47.0	49.0	31.0	23.0	25.0	24.0	32.0	31.0	23.0	24.0
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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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0
2.5°	1042.0	1044.0	1044.0	1047.0	1047.0	1049.0	1051.0	1051.0	1053.0	1054.0	1056.0
5°	1030.1	1030.1	1030.1	1034.0	1035.0	1041.0	1043.0	1045.0	1047.0	1054.0	1058.0
7.5°	1027.0	1023.0	1025.0	1025.0	1028.0	1033.0	1038.0	1041.0	1044.0	1053.0	1059.0
10°	1033.0	1030.1	1027.0	1027.0	1028.0	1030.1	1034.0	1037.0	1039.0	1048.0	1053.0
12.5°	1049.0	1042.0	1036.0	1031.0	1027.0	1026.0	1024.0	1025.0	1027.0	1032.0	1039.0
15°	1052.0	1039.0	1026.0	1013.0	1003.0	997.0	992.0	990.1	990.1	993.0	1001.0
17.5°	1032.0	1009.9	991.0	974.0	963.0	952.0	947.0	943.0	941.0	945.0	946.0
20°	989.0	963.0	937.0	917.0	897.0	894.0	886.0	888.0	889.9	896.0	899.0
22.5°	929.9	899.0	867.0	846.0	829.9	816.0	807.0	811.0	814.0	820.0	823.0
25°	858.0	813.0	779.0	758.0	741.0	729.0	719.0	723.0	719.0	726.0	737.0
27.5°	773.0	720.0	684.0	660.0	648.0	638.0	628.0	628.0	638.0	638.0	647.0
30°	670.1	631.0	584.0	559.0	544.0	538.0	537.0	535.0	542.0	546.0	556.0
32.5°	573.0	525.0	480.0	456.0	443.0	436.0	437.0	438.0	441.0	447.0	463.0
35°	475.0	433.0	401.0	374.0	361.0	348.0	348.0	346.0	349.0	356.0	375.0
37.5°	412.0	375.0	350.1	329.0	316.0	308.0	301.0	298.0	298.0	301.0	308.0
40°	377.0	350.1	327.0	309.0	297.0	289.9	286.0	283.0	281.0	281.0	282.0
42.5°	361.0	333.0	310.1	294.0	285.0	281.0	280.0	279.0	276.0	275.0	274.0
45°	353.0	321.0	295.0	282.0	275.0	273.0	274.0	274.0	273.0	271.0	267.0
47.5°	347.0	310.1	284.0	272.0	269.0	269.0	269.0	269.0	268.0	267.0	264.0
50°	337.0	293.0	265.0	256.0	254.0	254.0	255.0	255.0	257.0	255.0	253.0
52.5°	326.0	277.0	249.0	241.0	240.0	239.0	239.0	239.0	240.0	240.0	239.0
55°	314.0	265.0	241.0	235.0	236.0	235.0	234.0	233.0	233.0	232.0	230.1
57.5°	302.0	255.0	235.0	231.0	232.0	232.0	230.1	228.0	227.0	224.0	222.0
60°	284.0	241.0	223.0	221.0	224.0	224.0	224.0	223.0	223.0	222.0	217.0
62.5°	260.0	221.0	207.0	208.0	209.0	211.0	211.0	211.0	211.0	209.0	204.0
63°	255.0	217.0	204.0	204.0	207.0	207.0	208.0	207.0	208.0	206.0	200.0
65°	235.0	204.0	194.0	195.0	197.0	197.0	197.0	196.0	196.0	193.0	190.1
67.5°	212.0	188.0	182.0	183.0	184.0	186.0	185.0	185.0	186.0	184.0	181.0
70°	186.0	171.0	167.0	168.0	169.0	169.0	168.0	168.0	169.0	167.0	164.0
72.5°	166.0	160.0	157.0	157.0	155.0	155.0	153.0	152.0	151.0	151.0	148.0
75°	140.0	139.0	140.0	142.0	140.0	138.0	137.0	134.0	132.0	132.0	131.0
77.5°	120.0	120.0	122.0	125.0	126.0	126.0	123.0	118.0	117.0	117.0	117.0
80°	104.0	102.0	102.0	105.0	108.0	107.0	102.0	97.0	97.0	102.0	103.0
82.5°	91.0	91.0	88.0	89.0	88.0	87.0	82.0	79.0	78.0	82.0	86.0
85°	72.0	73.0	72.0	71.0	70.1	67.0	63.0	60.0	59.0	63.0	69.0
87.5°	29.0	28.0	27.0	28.0	27.0	29.0	28.0	26.0	25.0	28.0	34.0
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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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0
2.5°	1057.0	1059.0	1061.0	1061.0	1063.0	1062.0	1063.0	1064.0	1064.0	1065.0	1065.0
5°	1063.0	1066.0	1070.1	1074.0	1075.0	1078.0	1081.0	1079.0	1082.0	1086.0	1086.0
7.5°	1065.0	1072.0	1075.0	1081.0	1082.0	1086.0	1093.0	1088.0	1094.0	1097.0	1098.0
10°	1062.0	1069.0	1074.0	1081.0	1084.0	1091.0	1098.0	1096.0	1103.0	1108.0	1109.0
12.5°	1044.0	1051.0	1062.0	1072.0	1080.0	1091.0	1104.0	1100.0	1109.9	1116.0	1119.0
15°	1009.0	1016.0	1028.0	1044.0	1059.0	1076.0	1093.0	1096.0	1106.0	1113.0	1116.0
17.5°	954.0	963.0	976.0	993.0	1012.0	1041.0	1063.0	1074.0	1088.0	1092.0	1097.0
20°	903.0	912.0	920.0	929.9	944.0	972.0	1001.0	1023.0	1041.0	1056.0	1060.0
22.5°	835.0	843.0	853.0	861.0	871.0	891.0	915.0	940.0	968.0	977.0	987.0
25°	753.0	758.0	772.0	777.0	784.0	801.0	820.0	838.0	865.0	884.0	889.0
27.5°	665.0	670.1	683.0	686.0	695.0	711.0	725.0	732.0	757.0	777.0	793.0
30°	563.0	576.0	592.0	594.0	604.0	614.0	627.0	634.0	657.0	678.0	698.0
32.5°	475.0	488.0	501.0	509.0	514.0	522.0	535.0	542.0	564.0	583.0	603.0
35°	385.0	401.0	415.0	426.0	430.1	440.0	449.9	457.0	480.0	497.0	511.0
37.5°	317.0	329.0	344.0	355.0	366.0	373.0	385.0	395.0	409.0	418.0	433.0
40°	284.0	289.9	298.0	307.0	316.0	324.0	333.0	341.0	350.1	362.0	372.0
42.5°	273.0	274.0	274.0	277.0	282.0	286.0	294.0	300.0	306.0	315.0	320.0
45°	265.0	264.0	262.0	260.0	261.0	263.0	268.0	272.0	279.0	283.0	284.0
47.5°	261.0	257.0	253.0	249.9	249.0	249.9	254.0	258.0	262.0	265.0	266.0
50°	248.0	245.0	239.0	235.0	233.0	235.0	240.0	242.0	246.0	249.0	249.9
52.5°	235.0	231.0	227.0	223.0	223.0	224.0	228.0	232.0	236.0	237.0	239.0
55°	227.0	221.0	217.0	214.0	212.0	215.0	218.0	223.0	228.0	229.0	231.0
57.5°	219.0	213.0	209.0	206.0	204.0	207.0	209.9	217.0	223.0	223.0	223.0
60°	214.0	209.0	203.0	200.0	197.0	200.0	204.0	211.0	217.0	216.0	215.0
62.5°	200.0	195.0	192.0	192.0	189.0	194.0	198.0	206.0	207.0	205.0	203.0
63°	196.0	192.0	190.1	190.1	188.0	193.0	197.0	204.0	204.0	202.0	200.0
65°	186.0	183.0	181.0	183.0	183.0	188.0	189.0	194.0	193.0	190.1	189.0
67.5°	178.0	176.0	174.0	174.0	174.0	175.0	176.0	178.0	177.0	176.0	177.0
70°	165.0	164.0	162.0	162.0	161.0	161.0	161.0	162.0	162.0	163.0	164.0
72.5°	149.0	147.0	147.0	148.0	146.0	147.0	148.0	147.0	149.0	149.0	150.1
75°	131.0	129.9	132.0	134.0	133.0	133.0	134.0	134.0	135.0	135.0	136.0
77.5°	117.0	118.0	119.0	121.0	122.0	122.0	122.0	121.0	122.0	122.0	123.0
80°	104.0	106.0	108.0	110.1	111.0	111.0	111.0	110.1	110.1	110.1	110.1
82.5°	94.0	97.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	98.0	96.0
85°	79.0	85.0	85.0	86.0	83.0	81.0	79.0	80.0	81.0	77.0	76.0
87.5°	40.0	40.0	42.0	44.0	45.0	45.0	51.0	48.0	47.0	46.0	44.0
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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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0
2.5°	1066.0	1065.0	1067.0	1065.0	1066.0	1067.0	1065.0	1068.0	1070.1	1067.0	1064.0
5°	1088.0	1088.0	1093.0	1095.0	1096.0	1102.0	1099.0	1101.0	1103.0	1102.0	1103.0
7.5°	1102.0	1106.0	1111.0	1116.0	1117.0	1122.0	1121.0	1124.0	1126.0	1131.0	1131.0
10°	1114.0	1119.0	1126.0	1131.0	1136.0	1140.0	1142.0	1148.0	1149.0	1153.0	1153.0
12.5°	1125.0	1131.0	1138.0	1146.0	1151.0	1159.0	1160.0	1169.0	1172.0	1173.0	1169.9
15°	1123.0	1129.9	1138.0	1147.0	1156.0	1166.0	1172.0	1181.0	1186.0	1188.0	1183.0
17.5°	1104.0	1109.9	1120.0	1132.0	1143.0	1156.0	1167.0	1180.0	1188.0	1190.1	1189.0
20°	1067.0	1071.0	1084.0	1100.0	1113.0	1133.0	1149.0	1169.0	1182.0	1192.0	1195.0
22.5°	994.0	1004.0	1017.0	1035.0	1054.0	1079.0	1102.0	1131.0	1159.0	1183.0	1207.0
25°	906.0	924.0	944.0	968.0	991.0	1017.0	1043.0	1076.0	1117.0	1167.0	1224.0
27.5°	817.0	848.0	873.0	904.0	931.0	957.0	986.0	1022.0	1067.0	1127.0	1200.0
30°	727.0	762.0	789.0	825.0	861.0	896.0	925.0	963.0	1007.0	1068.0	1148.0
32.5°	631.0	666.0	698.0	731.0	771.0	813.0	848.0	895.0	942.0	1005.0	1086.0
35°	532.0	563.0	590.1	625.0	669.0	714.0	760.0	814.0	865.0	931.0	1017.0
37.5°	446.0	468.0	494.0	525.0	559.0	607.0	659.0	723.0	781.0	853.0	941.0
40°	375.0	387.0	402.0	428.0	459.0	506.0	557.0	625.0	695.0	774.0	859.0
42.5°	320.0	326.0	329.9	347.0	372.0	418.0	467.0	533.0	609.9	696.0	782.0
45°	284.0	287.0	288.0	297.0	315.0	355.0	406.0	462.0	536.0	620.0	710.1
47.5°	267.0	270.1	272.0	274.0	285.0	316.0	362.0	415.0	483.0	560.0	652.0
50°	253.0	256.0	259.0	258.0	263.0	283.0	322.0	371.0	435.0	506.0	597.0
52.5°	239.0	241.0	241.0	241.0	244.0	257.0	285.0	329.9	389.0	456.0	546.0
55°	231.0	233.0	234.0	235.0	236.0	243.0	264.0	300.0	351.0	413.0	494.0
57.5°	223.0	224.0	226.0	227.0	229.0	233.0	246.0	272.0	315.0	367.0	435.0
60°	216.0	218.0	222.0	223.0	225.0	226.0	232.0	248.0	276.0	316.0	371.0
62.5°	205.0	208.0	212.0	213.0	215.0	216.0	217.0	226.0	239.0	263.0	304.0
63°	202.0	205.0	209.9	211.0	212.0	212.0	213.0	219.0	231.0	252.0	282.0
65°	191.0	195.0	198.0	199.0	200.0	200.0	199.0	201.0	202.0	211.0	229.0
67.5°	179.0	182.0	184.0	185.0	184.0	185.0	184.0	182.0	180.0	182.0	190.1
70°	167.0	169.0	169.0	169.9	171.0	172.0	169.9	168.0	166.0	165.0	169.9
72.5°	153.0	155.0	155.0	156.0	156.0	158.0	158.0	157.0	157.0	158.0	159.0
75°	139.0	141.0	140.0	142.0	142.0	145.0	145.0	146.0	148.0	147.0	146.0
77.5°	126.0	127.0	127.0	128.0	129.0	134.0	137.0	138.0	138.0	136.0	134.0
80°	112.0	112.0	110.1	109.0	110.1	115.0	121.0	122.0	125.0	124.0	125.0
82.5°	94.0	89.9	87.0	87.0	89.0	92.0	94.0	96.0	98.0	98.0	100.0
85°	72.0	68.0	65.0	66.0	69.0	70.1	69.0	69.0	73.0	76.0	73.0
87.5°	43.0	39.0	37.0	34.0	35.0	38.0	37.0	34.0	35.0	28.0	26.0
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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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0
2.5°	1066.0	1065.0	1063.0	1060.0	1059.0	1057.0	1058.0	1055.0	1053.0	1051.0	1048.0
5°	1103.0	1103.0	1097.0	1097.0	1094.0	1093.0	1086.0	1083.0	1077.0	1079.0	1072.0
7.5°	1129.0	1132.0	1125.0	1124.0	1120.0	1119.0	1109.9	1107.0	1102.0	1100.0	1094.0
10°	1148.0	1148.0	1139.0	1132.0	1127.0	1122.0	1113.0	1109.0	1105.0	1106.0	1102.0
12.5°	1163.0	1156.0	1143.0	1133.0	1126.0	1121.0	1114.0	1111.0	1109.9	1117.0	1118.0
15°	1175.0	1165.0	1149.0	1142.0	1136.0	1135.0	1135.0	1138.0	1145.0	1158.0	1168.0
17.5°	1182.0	1176.0	1168.0	1166.0	1176.0	1182.0	1190.1	1199.0	1209.0	1227.0	1238.0
20°	1195.0	1199.0	1205.0	1213.0	1229.0	1244.0	1254.0	1267.0	1279.0	1301.0	1319.0
22.5°	1229.0	1252.0	1271.0	1287.0	1311.0	1332.0	1345.0	1363.0	1372.0	1387.0	1415.0
25°	1273.0	1320.0	1360.0	1394.0	1431.0	1453.0	1471.0	1494.0	1508.0	1533.0	1558.0
27.5°	1260.0	1327.0	1387.0	1449.9	1501.0	1558.0	1598.0	1636.0	1660.0	1697.0	1729.9
30°	1220.0	1300.0	1381.0	1464.0	1545.0	1627.0	1703.0	1772.0	1825.0	1878.0	1932.0
32.5°	1166.0	1258.0	1357.0	1459.0	1565.0	1679.0	1784.0	1888.0	1976.0	2053.0	2128.0
35°	1104.0	1208.0	1311.0	1437.0	1568.0	1713.0	1859.0	2003.0	2137.0	2273.0	2365.0
37.5°	1030.1	1136.0	1251.0	1396.0	1550.1	1729.0	1915.0	2103.0	2293.0	2476.0	2635.0
40°	951.0	1059.0	1180.0	1337.0	1511.0	1719.0	1951.0	2204.0	2465.0	2729.9	2941.0
42.5°	881.0	992.0	1124.0	1283.0	1472.0	1706.0	1980.0	2291.0	2609.9	2938.0	3248.0
45°	813.0	935.0	1074.0	1245.0	1455.0	1716.0	2023.0	2372.0	2740.0	3138.0	3516.0
47.5°	752.0	876.0	1011.0	1198.0	1430.1	1721.0	2065.0	2453.0	2863.0	3294.0	3743.0
50°	697.0	817.0	950.1	1138.0	1391.0	1718.0	2103.0	2526.0	2969.0	3417.0	3918.0
52.5°	643.0	765.0	901.0	1080.0	1343.0	1701.0	2121.0	2586.0	3067.0	3541.0	4059.0
55°	590.1	710.1	847.0	1025.0	1280.0	1657.0	2119.0	2625.0	3145.0	3658.0	4195.0
57.5°	528.0	642.0	776.0	964.0	1213.0	1589.0	2089.0	2643.0	3212.0	3774.0	4358.0
60°	451.0	558.0	687.0	875.0	1125.0	1502.0	2026.0	2633.0	3251.0	3860.0	4497.0
62.5°	356.0	449.0	567.0	751.0	1015.0	1377.0	1908.0	2542.0	3189.0	3848.0	4562.0
63°	336.0	424.0	539.0	721.0	968.0	1343.0	1873.0	2506.0	3159.0	3823.0	4553.0
65°	270.1	327.0	419.0	582.0	809.9	1176.0	1699.0	2321.0	2998.0	3647.0	4423.0
67.5°	207.0	236.0	285.0	399.0	573.0	925.0	1376.0	1967.0	2602.0	3212.0	4004.0
70°	177.0	190.1	211.0	265.0	364.0	584.0	966.0	1467.0	2017.0	2546.0	3258.0
72.5°	161.0	167.0	178.0	201.0	249.9	350.1	616.0	955.0	1372.0	1815.0	2365.0
75°	148.0	153.0	162.0	174.0	192.0	233.0	351.0	584.0	892.0	1192.0	1596.0
77.5°	135.0	138.0	148.0	159.0	171.0	192.0	232.0	336.0	513.0	703.0	962.0
80°	124.0	122.0	129.0	147.0	159.0	171.0	183.0	218.0	292.0	385.0	520.0
82.5°	99.0	101.0	107.0	125.0	129.9	127.0	129.0	135.0	163.0	178.0	266.0
85°	67.0	62.0	61.0	63.0	63.0	60.0	60.0	59.0	65.0	74.0	127.0
87.5°	18.0	9.0	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°	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0	0°
2.5°	1046.0	1045.0	1046.0	1041.0	1041.0	1040.0	1039.0	1037.0	1037.0	1033.0	1036.0	2.5°
5°	1066.0	1064.0	1060.0	1054.0	1051.0	1047.0	1047.0	1043.0	1040.0	1036.0	1037.0	5°
7.5°	1089.0	1089.9	1083.0	1078.0	1076.0	1072.0	1073.0	1067.0	1068.0	1065.0	1063.0	7.5°
10°	1102.0	1102.0	1104.0	1103.0	1105.0	1105.0	1108.0	1104.0	1102.0	1099.0	1099.0	10°
12.5°	1123.0	1127.0	1135.0	1135.0	1141.0	1143.0	1144.0	1146.0	1142.0	1140.0	1133.0	12.5°
15°	1175.0	1185.0	1192.0	1202.0	1214.0	1218.0	1218.0	1214.0	1212.0	1209.0	1196.0	15°
17.5°	1261.0	1283.0	1289.0	1305.0	1307.0	1312.0	1326.0	1318.0	1313.0	1292.0	1288.0	17.5°
20°	1349.0	1377.0	1405.0	1425.0	1435.0	1455.0	1458.0	1454.0	1434.0	1414.0	1405.0	20°
22.5°	1455.0	1497.0	1529.0	1560.0	1575.0	1585.0	1607.0	1602.0	1586.0	1556.0	1544.0	22.5°
25°	1605.0	1657.0	1691.0	1729.0	1749.0	1759.0	1781.0	1781.0	1764.0	1755.0	1754.0	25°
27.5°	1794.0	1858.0	1914.0	1927.0	1979.0	1991.0	2012.0	2012.0	1996.0	1985.0	2038.0	27.5°
30°	2004.0	2071.0	2168.0	2233.0	2296.0	2358.0	2357.0	2361.0	2380.0	2390.1	2413.0	30°
32.5°	2214.0	2297.0	2400.0	2541.0	2676.0	2791.0	2940.0	3035.0	3006.0	2925.0	2893.0	32.5°
35°	2469.0	2561.0	2686.0	2828.0	3075.0	3224.0	3296.0	3347.0	3353.0	3364.0	3387.0	35°
37.5°	2753.0	2907.0	3052.0	3213.0	3350.1	3531.0	3698.0	3832.0	3863.0	3926.0	3889.9	37.5°
40°	3112.0	3284.0	3436.0	3644.0	3828.0	4046.0	4285.0	4469.0	4543.0	4519.0	4339.0	40°
42.5°	3488.0	3701.0	3879.0	4124.0	4363.0	4651.0	4898.0	5155.0	5201.0	5016.0	4747.0	42.5°
45°	3834.0	4098.0	4319.0	4574.0	4866.0	5211.0	5541.0	5805.0	5796.0	5479.0	5119.0	45°
47.5°	4145.0	4469.0	4739.0	5071.0	5385.0	5796.0	6175.0	6369.9	6255.0	5880.0	5439.0	47.5°
50°	4402.0	4806.0	5139.0	5475.0	5874.0	6369.0	6734.0	6844.0	6622.0	6214.0	5750.1	50°
52.5°	4609.0	5116.0	5489.9	5877.0	6381.0	6902.0	7216.0	7175.0	6888.0	6469.0	6007.0	52.5°
55°	4784.0	5353.0	5799.0	6256.0	6881.0	7361.0	7569.9	7460.0	7059.0	6634.0	6183.0	55°
57.5°	4965.0	5583.0	6083.0	6613.0	7309.0	7721.0	7837.0	7611.0	7140.0	6697.0	6259.0	57.5°
60°	5146.0	5775.0	6334.0	6925.0	7633.0	8015.0	7983.0	7645.0	7116.0	6651.0	6208.0	60°
62.5°	5268.0	5889.0	6480.0	7117.0	7876.0	8165.0	7969.0	7524.0	6977.0	6470.1	6056.0	62.5°
63°	5271.0	5893.0	6489.0	7129.9	7903.0	8169.9	7942.0	7481.0	6933.0	6433.0	6011.0	63°
65°	5208.0	5818.0	6409.0	7071.0	7880.0	8055.0	7709.0	7227.0	6682.0	6177.0	5777.0	65°
67.5°	4886.0	5508.0	6030.1	6654.0	7468.0	7518.0	7085.0	6696.0	6206.0	5683.0	5265.0	67.5°
70°	4237.0	4754.0	5266.0	5787.0	6470.1	6461.0	6054.0	5856.0	5427.0	4831.0	4496.0	70°
72.5°	3369.9	3834.0	4194.0	4543.0	4993.0	4902.0	4640.0	4695.0	4417.0	3972.0	3773.0	72.5°
75°	2502.0	3012.0	3188.0	3329.9	3520.0	3521.0	3593.0	3749.0	3745.0	3498.0	3247.0	75°
77.5°	1641.0	2199.0	2258.0	2372.0	2600.0	2910.1	3230.1	3574.0	3660.0	3465.0	3094.0	77.5°
80°	915.0	1495.0	1427.0	1525.0	1771.0	2192.0	2664.0	3044.0	3268.0	3159.0	2766.0	80°
82.5°	468.0	862.0	824.0	960.0	1159.0	1525.0	1837.0	2129.0	2393.0	2378.0	2229.0	82.5°
85°	243.0	472.0	537.0	608.0	708.0	839.0	957.0	1042.0	1152.0	1346.0	1412.0	85°
87.5°	0.0	0.0	0.0	0.0	0.0	1.0	0.0	72.0	52.0	143.0	204.0	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°
1049.0	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0
1037.0	1038.0	1036.0	1036.0	1037.0	1037.0	1035.0
1035.0	1035.0	1033.0	1031.0	1029.0	1029.0	1027.0
1058.0	1058.0	1051.0	1048.0	1043.0	1039.0	1037.0
1092.0	1086.0	1078.0	1072.0	1064.0	1055.0	1049.9
1126.0	1117.0	1107.0	1098.0	1088.0	1078.0	1073.0
1182.0	1169.9	1157.0	1146.0	1132.0	1117.0	1111.0
1268.0	1249.0	1232.0	1216.0	1191.0	1180.0	1168.0
1382.0	1354.0	1332.0	1305.0	1274.0	1264.0	1249.0
1520.0	1496.0	1452.0	1432.0	1401.0	1386.0	1389.0
1729.9	1699.0	1648.0	1629.0	1626.0	1593.0	1577.0
2004.0	2006.0	1959.0	1908.0	1880.0	1828.0	1762.0
2394.0	2367.0	2312.0	2260.0	2194.0	2096.0	1986.0
2866.0	2806.0	2715.0	2618.0	2501.0	2350.1	2196.0
3327.0	3222.0	3077.0	2915.0	2746.0	2558.0	2340.0
3732.0	3569.0	3352.0	3166.0	2927.0	2692.0	2426.0
4102.0	3900.0	3620.0	3379.0	3097.0	2795.0	2480.0
4460.0	4204.0	3861.0	3535.0	3216.0	2864.0	2506.0
4801.0	4471.0	4064.0	3676.0	3303.0	2909.0	2510.1
5063.0	4703.0	4246.0	3778.0	3363.0	2943.0	2510.1
5306.0	4899.0	4385.0	3858.0	3419.0	2966.0	2512.0
5495.0	5037.0	4475.0	3915.0	3463.0	2983.0	2521.0
5632.0	5127.0	4535.0	3950.1	3495.0	3007.0	2541.0
5728.0	5186.0	4568.0	3981.0	3534.0	3049.0	2597.0
5774.0	5295.0	4623.0	4043.0	3601.0	3138.0	2709.0
5739.0	5464.0	4780.0	4148.0	3694.0	3277.0	2888.0
5724.0	5495.0	4823.0	4171.0	3715.0	3307.0	2950.1
5607.0	5526.0	5000.0	4287.0	3815.0	3440.0	3123.0
5244.0	5404.0	5149.0	4483.0	4030.1	3763.0	3446.0
4774.0	5223.0	5122.0	4508.0	4167.0	4028.0	3649.9
4211.0	4676.0	4582.0	4175.0	4016.0	4031.0	3597.0
3314.0	3663.0	3601.0	3458.0	3489.9	3600.0	3081.0
2655.0	2608.0	2465.0	2475.0	2660.0	2789.0	2218.0
2169.0	1756.0	1569.9	1575.0	1898.0	2032.0	1413.0
2064.0	1661.0	1353.0	1182.0	1381.0	1329.9	738.0
1470.1	1473.0	1222.0	993.0	962.0	818.0	460.0
348.0	279.0	199.0	148.0	156.0	103.0	52.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)