

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: P181152

Luminaire Tested: **ICS-F04-LED-E1-SLR**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P181152  
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: ICS-F04-LED-E1-SLR  
Description: ICON SITE SMALL LED LUMINAIRE  
(4) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT  
Light Source: (28) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8269.6 lumens  
Efficiency: N/A  
Efficacy: 80.9 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 1' x H: 0.1')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G3

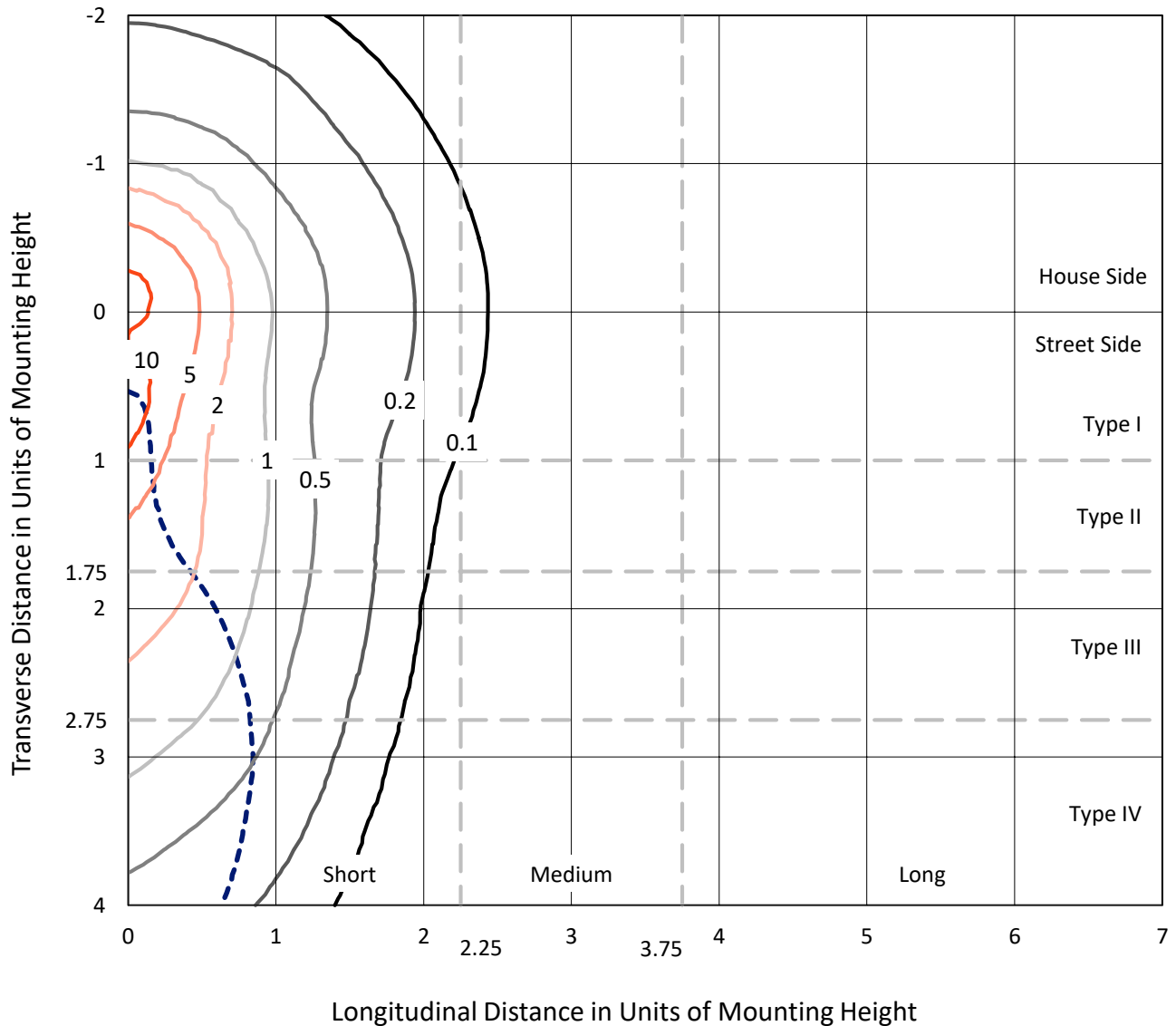
Input Watts (W): 102.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

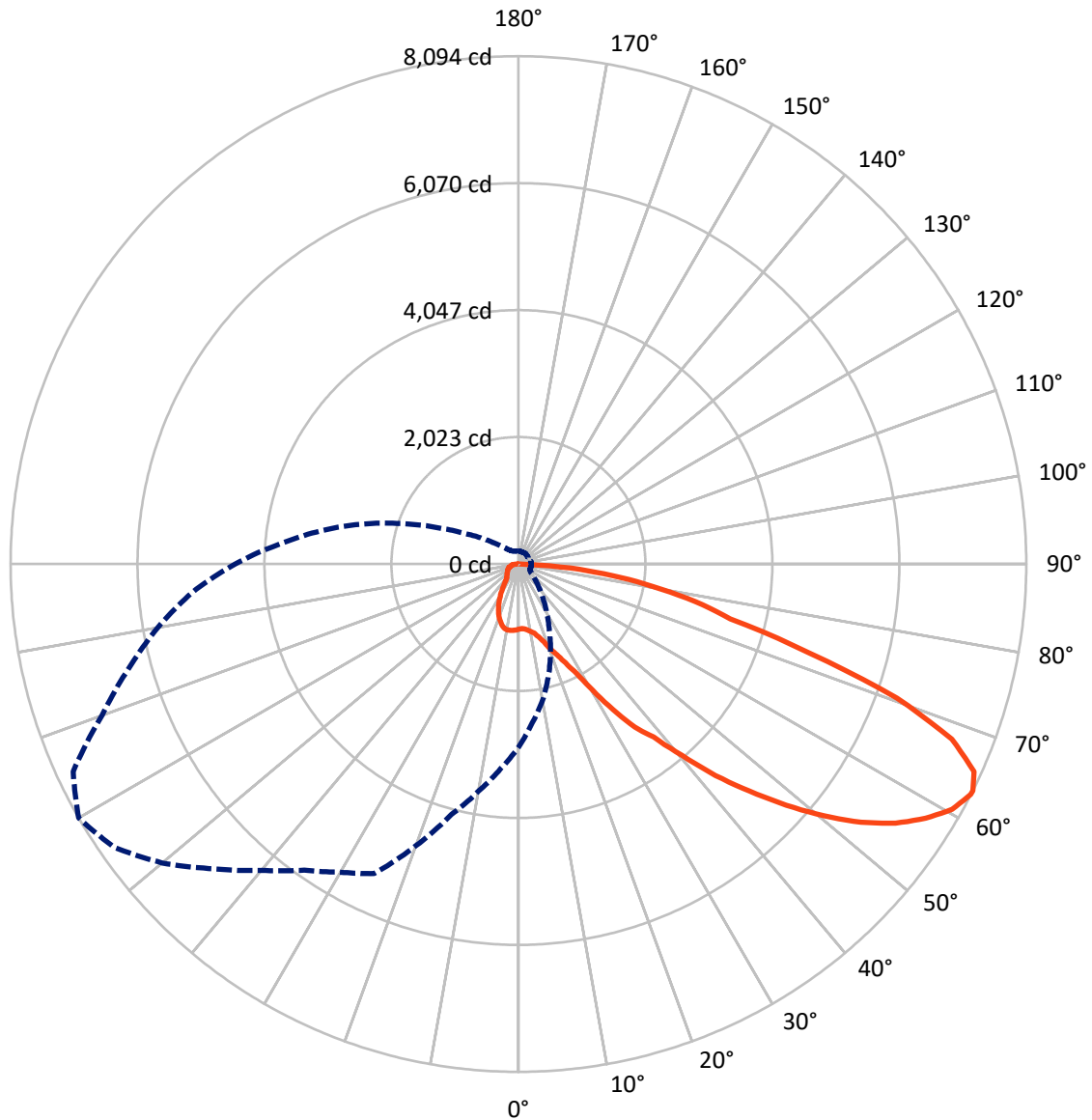
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 300-Deg Lateral    - - - Horizontal Cone Through 63-Deg Vertical

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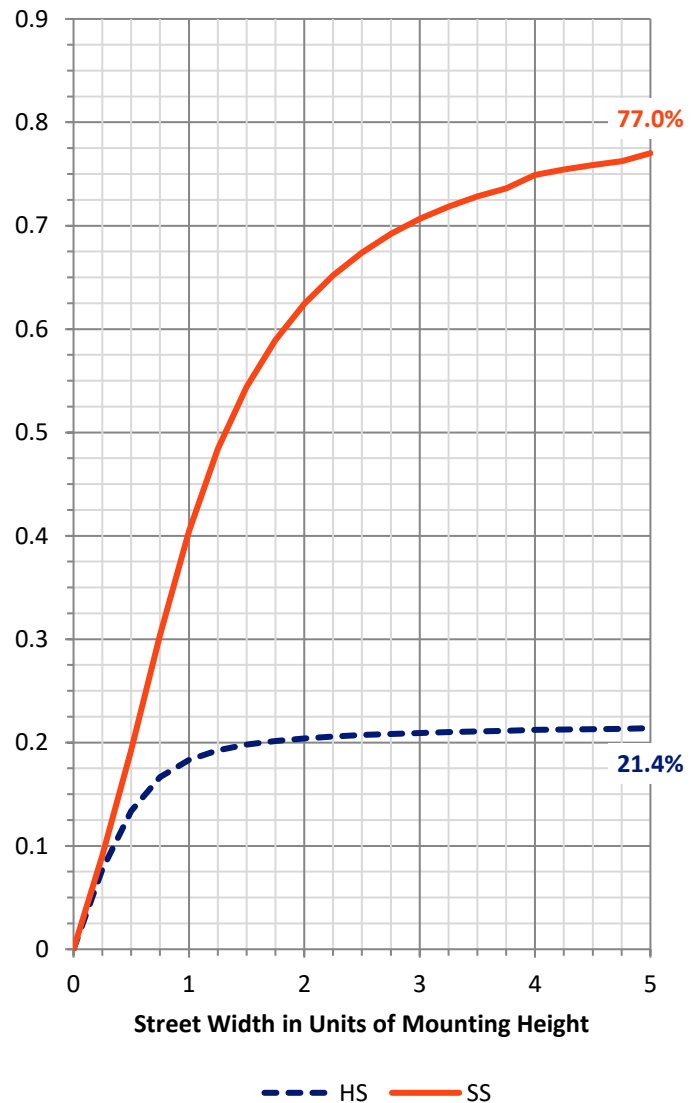
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1793.2	0.0	1793.2
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	6476.4	0.0	6476.4
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	8269.6	0.0	8269.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.2	1.2
10°-20°	315.1	3.8
20°-30°	559.7	6.8
30°-40°	881.4	10.7
40°-50°	1297.2	15.7
50°-60°	1723.0	20.8
60°-70°	1897.9	23.0
70°-80°	1190.8	14.4
80°-90°	303.3	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°	8269.6	100.0
0°-180°	8269.6	100.0



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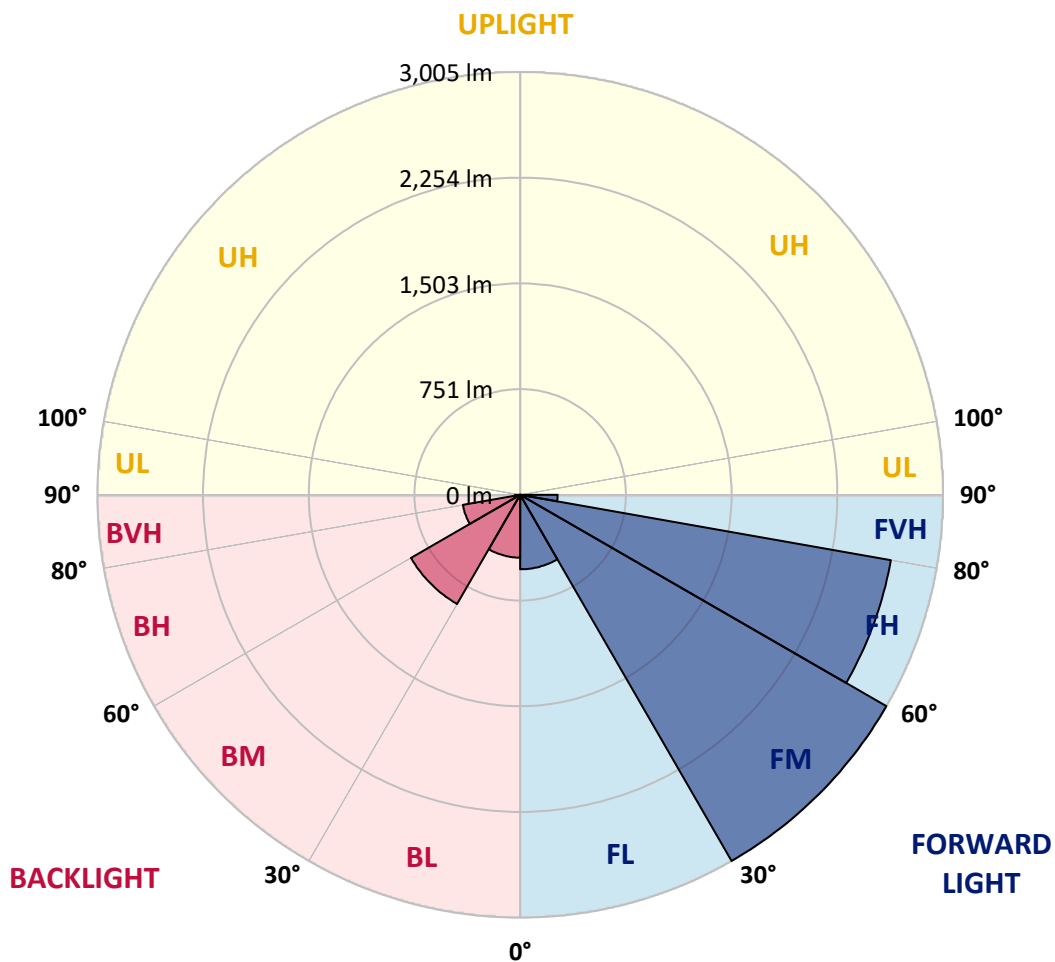
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	529.5	6.4			
FM	(30°-60°)	3005.4	36.3			
FH	(60°-80°)	2675.3	32.4			G2/5000
FVH	(80°-90°)	266.1	3.2			G3/500
BL	(0°-30°)	446.4	5.4	B1/500		
BM	(30°-60°)	896.3	10.8	B1/1000		
BH	(60°-80°)	413.4	5.0	B1/500		G1/500
BVH	(80°-90°)	37.1	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°	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2
2.5°	1025.4	1028.3	1027.3	1027.3	1029.3	1028.3	1028.3	1029.3	1029.3	1032.3	1036.3
5°	1017.4	1016.4	1014.5	1016.4	1016.4	1016.4	1012.5	1015.5	1016.4	1018.4	1018.4
7.5°	1027.3	1024.4	1020.4	1021.4	1021.4	1019.4	1016.4	1017.4	1016.4	1016.4	1015.5
10°	1040.2	1033.3	1028.3	1028.3	1028.3	1026.3	1021.4	1024.4	1024.4	1023.4	1024.4
12.5°	1063.0	1055.1	1049.1	1047.2	1047.2	1044.2	1040.2	1044.2	1042.2	1042.2	1040.2
15°	1100.6	1091.7	1084.8	1078.9	1079.8	1079.8	1074.9	1071.9	1068.0	1063.0	1053.1
17.5°	1157.1	1147.2	1138.3	1133.3	1134.3	1127.4	1113.5	1099.7	1080.8	1062.0	1041.2
20°	1237.4	1234.4	1222.5	1217.6	1205.7	1188.8	1150.2	1117.5	1080.8	1045.2	1009.5
22.5°	1376.1	1362.2	1350.3	1331.5	1291.9	1245.3	1180.9	1123.4	1066.0	1015.5	967.9
25°	1562.3	1537.5	1479.1	1421.6	1340.4	1257.2	1170.0	1095.7	1024.4	958.0	899.5
27.5°	1745.6	1670.3	1566.3	1462.2	1343.4	1234.4	1125.4	1037.2	954.0	881.7	817.3
30°	1967.5	1840.7	1681.2	1516.7	1348.3	1201.7	1070.9	967.9	871.8	795.5	728.2
32.5°	2175.5	1992.3	1783.2	1567.3	1359.2	1171.0	1008.5	891.6	792.5	696.5	630.1
35°	2318.2	2080.4	1826.8	1572.2	1332.5	1112.5	930.3	792.5	693.5	604.3	526.1
37.5°	2403.4	2119.1	1828.8	1536.6	1270.1	1033.3	831.2	694.5	603.3	518.1	456.7
40°	2456.9	2128.0	1803.0	1485.0	1190.8	933.2	732.1	609.3	526.1	457.7	410.1
42.5°	2482.7	2114.1	1761.4	1419.6	1110.6	844.1	662.8	546.9	474.5	426.0	390.3
45°	2486.6	2089.4	1716.9	1360.2	1039.2	779.7	615.2	521.1	461.7	421.0	385.4
47.5°	2486.6	2067.6	1681.2	1316.6	992.7	751.9	611.3	532.0	473.5	428.0	385.4
50°	2488.6	2060.6	1666.3	1294.8	976.8	766.8	644.9	565.7	499.3	439.9	384.4
52.5°	2497.5	2069.5	1678.2	1311.7	1005.5	826.2	708.3	616.2	533.0	453.7	384.4
55°	2517.3	2099.3	1728.7	1370.1	1082.8	916.4	784.6	670.7	559.7	459.7	378.4
57.5°	2572.8	2174.6	1820.9	1483.1	1214.6	1020.4	854.0	709.3	569.6	454.7	366.6
60°	2683.8	2324.1	1978.4	1641.6	1354.3	1109.6	894.6	715.3	560.7	438.9	347.7
62.5°	2861.1	2495.5	2169.6	1813.9	1478.1	1159.1	899.5	700.4	537.0	410.1	320.0
63°	2922.5	2538.1	2210.2	1846.6	1494.0	1163.1	895.6	694.5	531.0	402.2	316.0
65°	3093.9	2717.4	2350.9	1961.6	1538.5	1164.1	873.8	664.7	503.3	371.5	288.3
67.5°	3413.9	2953.2	2528.2	2051.7	1554.4	1132.4	818.3	609.3	444.8	324.0	253.6
70°	3616.0	3085.0	2596.6	2053.7	1507.8	1042.2	722.2	519.1	370.5	268.5	218.0
72.5°	3563.5	2955.2	2416.3	1868.4	1306.7	870.8	580.5	408.2	289.3	215.0	181.3
75°	3052.3	2459.9	1971.5	1447.4	987.7	640.0	425.0	291.3	214.0	168.4	151.6
77.5°	2197.3	1770.4	1413.7	1031.3	665.7	414.1	282.3	208.0	162.5	138.7	124.8
80°	1399.8	1038.2	864.9	620.2	389.3	256.6	194.2	157.5	133.7	115.9	107.0
82.5°	731.1	512.2	416.1	317.0	216.0	169.4	142.7	128.8	110.0	96.1	91.1
85°	455.7	302.2	223.9	156.5	108.0	97.1	89.2	87.2	78.3	69.3	66.4
87.5°	51.5	46.6	48.5	30.7	22.8	24.8	23.8	31.7	30.7	22.8	23.8
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2
2.5°	1032.3	1034.3	1034.3	1037.2	1037.2	1039.2	1041.2	1041.2	1043.2	1044.2	1046.2
5°	1020.4	1020.4	1020.4	1024.4	1025.4	1031.3	1033.3	1035.3	1037.2	1044.2	1048.1
7.5°	1017.4	1013.5	1015.5	1015.5	1018.4	1023.4	1028.3	1031.3	1034.3	1043.2	1049.1
10°	1023.4	1020.4	1017.4	1017.4	1018.4	1020.4	1024.4	1027.3	1029.3	1038.2	1043.2
12.5°	1039.2	1032.3	1026.3	1021.4	1017.4	1016.4	1014.5	1015.5	1017.4	1022.4	1029.3
15°	1042.2	1029.3	1016.4	1003.6	993.7	987.7	982.8	980.8	980.8	983.7	991.7
17.5°	1022.4	1000.6	981.8	964.9	954.0	943.1	938.2	934.2	932.2	936.2	937.2
20°	979.8	954.0	928.3	908.5	888.6	885.7	877.7	879.7	881.7	887.7	890.6
22.5°	921.3	890.6	858.9	838.1	822.3	808.4	799.5	803.4	806.4	812.4	815.3
25°	850.0	805.4	771.7	750.9	734.1	722.2	712.3	716.3	712.3	719.2	730.1
27.5°	765.8	713.3	677.6	653.9	642.0	632.1	622.1	622.1	632.1	632.1	641.0
30°	663.8	625.1	578.6	553.8	538.9	533.0	532.0	530.0	537.0	540.9	550.8
32.5°	567.7	520.1	475.5	451.8	438.9	431.9	432.9	433.9	436.9	442.8	458.7
35°	470.6	429.0	397.3	370.5	357.6	344.8	344.8	342.8	345.7	352.7	371.5
37.5°	408.2	371.5	346.7	325.9	313.1	305.1	298.2	295.2	295.2	298.2	305.1
40°	373.5	346.7	324.0	306.1	294.2	287.3	283.3	280.4	278.4	278.4	279.4
42.5°	357.6	329.9	307.1	291.3	282.3	278.4	277.4	276.4	273.4	272.4	271.4
45°	349.7	318.0	292.3	279.4	272.4	270.5	271.4	271.4	270.5	268.5	264.5
47.5°	343.8	307.1	281.4	269.5	266.5	266.5	266.5	266.5	265.5	264.5	261.5
50°	333.9	290.3	262.5	253.6	251.6	251.6	252.6	252.6	254.6	252.6	250.6
52.5°	323.0	274.4	246.7	238.8	237.8	236.8	236.8	236.8	237.8	237.8	236.8
55°	311.1	262.5	238.8	232.8	233.8	232.8	231.8	230.8	230.8	229.8	227.9
57.5°	299.2	252.6	232.8	228.8	229.8	229.8	227.9	225.9	224.9	221.9	219.9
60°	281.4	238.8	220.9	218.9	221.9	221.9	221.9	220.9	220.9	219.9	215.0
62.5°	257.6	218.9	205.1	206.1	207.1	209.0	209.0	209.0	209.0	207.1	202.1
63°	252.6	215.0	202.1	202.1	205.1	205.1	206.1	205.1	206.1	204.1	198.1
65°	232.8	202.1	192.2	193.2	195.2	195.2	195.2	194.2	194.2	191.2	188.2
67.5°	210.0	186.2	180.3	181.3	182.3	184.3	183.3	183.3	184.3	182.3	179.3
70°	184.3	169.4	165.4	166.4	167.4	167.4	166.4	166.4	167.4	165.4	162.5
72.5°	164.5	158.5	155.5	155.5	153.6	153.6	151.6	150.6	149.6	149.6	146.6
75°	138.7	137.7	138.7	140.7	138.7	136.7	135.7	132.8	130.8	130.8	129.8
77.5°	118.9	118.9	120.9	123.8	124.8	124.8	121.9	116.9	115.9	115.9	115.9
80°	103.0	101.0	101.0	104.0	107.0	106.0	101.0	96.1	96.1	101.0	102.0
82.5°	90.2	90.2	87.2	88.2	87.2	86.2	81.2	78.3	77.3	81.2	85.2
85°	71.3	72.3	71.3	70.3	69.3	66.4	62.4	59.4	58.5	62.4	68.4
87.5°	28.7	27.7	26.7	27.7	26.7	28.7	27.7	25.8	24.8	27.7	33.7
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°	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2
2.5°	1047.2	1049.1	1051.1	1051.1	1053.1	1052.1	1053.1	1054.1	1054.1	1055.1	1055.1
5°	1053.1	1056.1	1060.0	1064.0	1065.0	1068.0	1070.9	1068.9	1071.9	1075.9	1075.9
7.5°	1055.1	1062.0	1065.0	1070.9	1071.9	1075.9	1082.8	1077.9	1083.8	1086.8	1087.8
10°	1052.1	1059.0	1064.0	1070.9	1073.9	1080.8	1087.8	1085.8	1092.7	1097.7	1098.7
12.5°	1034.3	1041.2	1052.1	1062.0	1069.9	1080.8	1093.7	1089.8	1099.7	1105.6	1108.6
15°	999.6	1006.5	1018.4	1034.3	1049.1	1066.0	1082.8	1085.8	1095.7	1102.6	1105.6
17.5°	945.1	954.0	966.9	983.7	1002.6	1031.3	1053.1	1064.0	1077.9	1081.8	1086.8
20°	894.6	903.5	911.4	921.3	935.2	962.9	991.7	1013.5	1031.3	1046.2	1050.1
22.5°	827.2	835.1	845.1	853.0	862.9	882.7	906.5	931.2	959.0	967.9	977.8
25°	746.0	750.9	764.8	769.8	776.7	793.5	812.4	830.2	856.9	875.8	880.7
27.5°	658.8	663.8	676.6	679.6	688.5	704.4	718.2	725.2	749.9	769.8	785.6
30°	557.8	570.6	586.5	588.5	598.4	608.3	621.2	628.1	650.9	671.7	691.5
32.5°	470.6	483.5	496.3	504.3	509.2	517.1	530.0	537.0	558.7	577.6	597.4
35°	381.4	397.3	411.1	422.0	426.0	435.9	445.8	452.7	475.5	492.4	506.2
37.5°	314.0	325.9	340.8	351.7	362.6	369.5	381.4	391.3	405.2	414.1	429.0
40°	281.4	287.3	295.2	304.1	313.1	321.0	329.9	337.8	346.7	358.6	368.5
42.5°	270.5	271.4	271.4	274.4	279.4	283.3	291.3	297.2	303.1	312.1	317.0
45°	262.5	261.5	259.6	257.6	258.6	260.5	265.5	269.5	276.4	280.4	281.4
47.5°	258.6	254.6	250.6	247.7	246.7	247.7	251.6	255.6	259.6	262.5	263.5
50°	245.7	242.7	236.8	232.8	230.8	232.8	237.8	239.7	243.7	246.7	247.7
52.5°	232.8	228.8	224.9	220.9	220.9	221.9	225.9	229.8	233.8	234.8	236.8
55°	224.9	218.9	215.0	212.0	210.0	213.0	216.0	220.9	225.9	226.9	228.8
57.5°	217.0	211.0	207.1	204.1	202.1	205.1	208.0	215.0	220.9	220.9	220.9
60°	212.0	207.1	201.1	198.1	195.2	198.1	202.1	209.0	215.0	214.0	213.0
62.5°	198.1	193.2	190.2	190.2	187.2	192.2	196.2	204.1	205.1	203.1	201.1
63°	194.2	190.2	188.2	188.2	186.2	191.2	195.2	202.1	202.1	200.1	198.1
65°	184.3	181.3	179.3	181.3	181.3	186.2	187.2	192.2	191.2	188.2	187.2
67.5°	176.3	174.4	172.4	172.4	172.4	173.4	174.4	176.3	175.4	174.4	175.4
70°	163.5	162.5	160.5	160.5	159.5	159.5	159.5	160.5	160.5	161.5	162.5
72.5°	147.6	145.6	145.6	146.6	144.6	145.6	146.6	145.6	147.6	147.6	148.6
75°	129.8	128.8	130.8	132.8	131.8	131.8	132.8	132.8	133.7	133.7	134.7
77.5°	115.9	116.9	117.9	119.9	120.9	120.9	120.9	119.9	120.9	120.9	121.9
80°	103.0	105.0	107.0	109.0	110.0	110.0	110.0	109.0	109.0	109.0	109.0
82.5°	93.1	96.1	98.1	99.1	99.1	99.1	99.1	99.1	99.1	97.1	95.1
85°	78.3	84.2	84.2	85.2	82.2	80.2	78.3	79.3	80.2	76.3	75.3
87.5°	39.6	39.6	41.6	43.6	44.6	44.6	50.5	47.6	46.6	45.6	43.6
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):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2
2.5°	1056.1	1055.1	1057.1	1055.1	1056.1	1057.1	1055.1	1058.1	1060.0	1057.1	1054.1
5°	1077.9	1077.9	1082.8	1084.8	1085.8	1091.7	1088.8	1090.7	1092.7	1091.7	1092.7
7.5°	1091.7	1095.7	1100.6	1105.6	1106.6	1111.5	1110.6	1113.5	1115.5	1120.5	1120.5
10°	1103.6	1108.6	1115.5	1120.5	1125.4	1129.4	1131.4	1137.3	1138.3	1142.3	1142.3
12.5°	1114.5	1120.5	1127.4	1135.3	1140.3	1148.2	1149.2	1158.1	1161.1	1162.1	1159.1
15°	1112.5	1119.5	1127.4	1136.3	1145.2	1155.1	1161.1	1170.0	1175.0	1176.9	1172.0
17.5°	1093.7	1099.7	1109.6	1121.5	1132.4	1145.2	1156.1	1169.0	1176.9	1178.9	1177.9
20°	1057.1	1061.0	1073.9	1089.8	1102.6	1122.4	1138.3	1158.1	1171.0	1180.9	1183.9
22.5°	984.7	994.6	1007.5	1025.4	1044.2	1068.9	1091.7	1120.5	1148.2	1172.0	1195.8
25°	897.6	915.4	935.2	959.0	981.8	1007.5	1033.3	1066.0	1106.6	1156.1	1212.6
27.5°	809.4	840.1	864.9	895.6	922.3	948.1	976.8	1012.5	1057.1	1116.5	1188.8
30°	720.2	754.9	781.6	817.3	853.0	887.7	916.4	954.0	997.6	1058.1	1137.3
32.5°	625.1	659.8	691.5	724.2	763.8	805.4	840.1	886.7	933.2	995.6	1075.9
35°	527.0	557.8	584.5	619.2	662.8	707.3	752.9	806.4	856.9	922.3	1007.5
37.5°	441.8	463.6	489.4	520.1	553.8	601.3	652.9	716.3	773.7	845.1	932.2
40°	371.5	383.4	398.3	424.0	454.7	501.3	551.8	619.2	688.5	766.8	851.0
42.5°	317.0	323.0	326.9	343.8	368.5	414.1	462.6	528.0	604.3	689.5	774.7
45°	281.4	284.3	285.3	294.2	312.1	351.7	402.2	457.7	531.0	614.2	703.4
47.5°	264.5	267.5	269.5	271.4	282.3	313.1	358.6	411.1	478.5	554.8	645.9
50°	250.6	253.6	256.6	255.6	260.5	280.4	319.0	367.5	430.9	501.3	591.4
52.5°	236.8	238.8	238.8	238.8	241.7	254.6	282.3	326.9	385.4	451.8	540.9
55°	228.8	230.8	231.8	232.8	233.8	240.7	261.5	297.2	347.7	409.2	489.4
57.5°	220.9	221.9	223.9	224.9	226.9	230.8	243.7	269.5	312.1	363.6	430.9
60°	214.0	216.0	219.9	220.9	222.9	223.9	229.8	245.7	273.4	313.1	367.5
62.5°	203.1	206.1	210.0	211.0	213.0	214.0	215.0	223.9	236.8	260.5	301.2
63°	200.1	203.1	208.0	209.0	210.0	210.0	211.0	217.0	228.8	249.7	279.4
65°	189.2	193.2	196.2	197.1	198.1	198.1	197.1	199.1	200.1	209.0	226.9
67.5°	177.3	180.3	182.3	183.3	182.3	183.3	182.3	180.3	178.3	180.3	188.2
70°	165.4	167.4	167.4	168.4	169.4	170.4	168.4	166.4	164.5	163.5	168.4
72.5°	151.6	153.6	153.6	154.5	154.5	156.5	156.5	155.5	155.5	156.5	157.5
75°	137.7	139.7	138.7	140.7	140.7	143.6	143.6	144.6	146.6	145.6	144.6
77.5°	124.8	125.8	125.8	126.8	127.8	132.8	135.7	136.7	136.7	134.7	132.8
80°	111.0	111.0	109.0	108.0	109.0	113.9	119.9	120.9	123.8	122.8	123.8
82.5°	93.1	89.2	86.2	86.2	88.2	91.1	93.1	95.1	97.1	97.1	99.1
85°	71.3	67.4	64.4	65.4	68.4	69.3	68.4	68.4	72.3	75.3	72.3
87.5°	42.6	38.6	36.7	33.7	34.7	37.6	36.7	33.7	34.7	27.7	25.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P181152  
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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2
2.5°	1056.1	1055.1	1053.1	1050.1	1049.1	1047.2	1048.1	1045.2	1043.2	1041.2	1038.2
5°	1092.7	1092.7	1086.8	1086.8	1083.8	1082.8	1075.9	1072.9	1067.0	1068.9	1062.0
7.5°	1118.5	1121.5	1114.5	1113.5	1109.6	1108.6	1099.7	1096.7	1091.7	1089.8	1083.8
10°	1137.3	1137.3	1128.4	1121.5	1116.5	1111.5	1102.6	1098.7	1094.7	1095.7	1091.7
12.5°	1152.2	1145.2	1132.4	1122.4	1115.5	1110.6	1103.6	1100.6	1099.7	1106.6	1107.6
15°	1164.1	1154.1	1138.3	1131.4	1125.4	1124.4	1124.4	1127.4	1134.3	1147.2	1157.1
17.5°	1171.0	1165.0	1157.1	1155.1	1165.0	1171.0	1178.9	1187.8	1197.7	1215.6	1226.5
20°	1183.9	1187.8	1193.8	1201.7	1217.6	1232.4	1242.3	1255.2	1267.1	1288.9	1306.7
22.5°	1217.6	1240.3	1259.2	1275.0	1298.8	1319.6	1332.5	1350.3	1359.2	1374.1	1401.8
25°	1261.1	1307.7	1347.3	1381.0	1417.7	1439.5	1457.3	1480.1	1494.0	1518.7	1543.5
27.5°	1248.3	1314.6	1374.1	1436.5	1487.0	1543.5	1583.1	1620.8	1644.5	1681.2	1713.9
30°	1208.6	1287.9	1368.1	1450.4	1530.6	1611.8	1687.1	1755.5	1808.0	1860.5	1914.0
32.5°	1155.1	1246.3	1344.4	1445.4	1550.4	1663.4	1767.4	1870.4	1957.6	2033.9	2108.2
35°	1093.7	1196.7	1298.8	1423.6	1553.4	1697.0	1841.7	1984.3	2117.1	2251.8	2343.0
37.5°	1020.4	1125.4	1239.3	1383.0	1535.6	1712.9	1897.2	2083.4	2271.6	2452.9	2610.5
40°	942.1	1049.1	1169.0	1324.5	1496.9	1703.0	1932.8	2183.5	2442.0	2704.6	2913.6
42.5°	872.8	982.8	1113.5	1271.0	1458.3	1690.1	1961.6	2269.7	2585.7	2910.6	3217.7
45°	805.4	926.3	1064.0	1233.4	1441.4	1700.0	2004.2	2349.9	2714.5	3108.8	3483.2
47.5°	745.0	867.8	1001.6	1186.8	1416.7	1705.0	2045.8	2430.1	2836.3	3263.3	3708.1
50°	690.5	809.4	941.1	1127.4	1378.0	1702.0	2083.4	2502.5	2941.3	3385.2	3881.5
52.5°	637.0	757.9	892.6	1069.9	1330.5	1685.2	2101.2	2561.9	3038.4	3508.0	4021.2
55°	584.5	703.4	839.1	1015.5	1268.1	1641.6	2099.3	2600.5	3115.7	3623.9	4155.9
57.5°	523.1	636.0	768.8	955.0	1201.7	1574.2	2069.5	2618.4	3182.1	3738.8	4317.4
60°	446.8	552.8	680.6	866.8	1114.5	1488.0	2007.1	2608.5	3220.7	3824.0	4455.1
62.5°	352.7	444.8	561.7	744.0	1005.5	1364.2	1890.2	2518.3	3159.3	3812.2	4519.5
63°	332.9	420.0	534.0	714.3	959.0	1330.5	1855.6	2482.7	3129.6	3787.4	4510.6
65°	267.5	324.0	415.1	576.6	802.5	1165.0	1683.2	2299.4	2970.1	3613.0	4381.8
67.5°	205.1	233.8	282.3	395.3	567.7	916.4	1363.2	1948.7	2577.8	3182.1	3966.7
70°	175.4	188.2	209.0	262.5	360.6	578.6	957.0	1453.3	1998.2	2522.3	3227.6
72.5°	159.5	165.4	176.3	199.1	247.7	346.7	610.3	946.1	1359.2	1798.1	2343.0
75°	146.6	151.6	160.5	172.4	190.2	230.8	347.7	578.6	883.7	1180.9	1581.1
77.5°	133.7	136.7	146.6	157.5	169.4	190.2	229.8	332.9	508.2	696.5	953.0
80°	122.8	120.9	127.8	145.6	157.5	169.4	181.3	216.0	289.3	381.4	515.2
82.5°	98.1	100.1	106.0	123.8	128.8	125.8	127.8	133.7	161.5	176.3	263.5
85°	66.4	61.4	60.4	62.4	62.4	59.4	59.4	58.5	64.4	73.3	125.8
87.5°	17.8	8.9	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°	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	0°
2.5°	1036.3	1035.3	1036.3	1031.3	1031.3	1030.3	1029.3	1027.3	1027.3	1023.4	1026.3	2.5°
5°	1056.1	1054.1	1050.1	1044.2	1041.2	1037.2	1037.2	1033.3	1030.3	1026.3	1027.3	5°
7.5°	1078.9	1079.8	1072.9	1068.0	1066.0	1062.0	1063.0	1057.1	1058.1	1055.1	1053.1	7.5°
10°	1091.7	1091.7	1093.7	1092.7	1094.7	1094.7	1097.7	1093.7	1091.7	1088.8	1088.8	10°
12.5°	1112.5	1116.5	1124.4	1124.4	1130.4	1132.4	1133.3	1135.3	1131.4	1129.4	1122.4	12.5°
15°	1164.1	1174.0	1180.9	1190.8	1202.7	1206.7	1206.7	1202.7	1200.7	1197.7	1184.9	15°
17.5°	1249.3	1271.0	1277.0	1292.8	1294.8	1299.8	1313.6	1305.7	1300.8	1280.0	1276.0	17.5°
20°	1336.4	1364.2	1391.9	1411.7	1421.6	1441.4	1444.4	1440.5	1420.6	1400.8	1391.9	20°
22.5°	1441.4	1483.1	1514.8	1545.5	1560.3	1570.2	1592.0	1587.1	1571.2	1541.5	1529.6	22.5°
25°	1590.0	1641.6	1675.2	1712.9	1732.7	1742.6	1764.4	1764.4	1747.6	1738.7	1737.7	25°
27.5°	1777.3	1840.7	1896.2	1909.0	1960.6	1972.5	1993.3	1993.3	1977.4	1966.5	2019.0	27.5°
30°	1985.3	2051.7	2147.8	2212.2	2274.6	2336.0	2335.0	2339.0	2357.8	2367.7	2390.5	30°
32.5°	2193.4	2275.6	2377.6	2517.3	2651.1	2765.0	2912.6	3006.7	2978.0	2897.8	2866.0	32.5°
35°	2446.0	2537.1	2661.0	2801.7	3046.4	3194.0	3265.3	3315.8	3321.8	3332.7	3355.4	35°
37.5°	2727.4	2879.9	3023.6	3183.1	3318.8	3498.1	3663.5	3796.3	3827.0	3889.4	3853.8	37.5°
40°	3083.0	3253.4	3404.0	3610.1	3792.3	4008.3	4245.1	4427.4	4500.7	4476.9	4298.6	40°
42.5°	3455.5	3666.5	3842.9	4085.6	4322.4	4607.7	4852.4	5107.0	5152.5	4969.3	4702.8	42.5°
45°	3798.3	4059.8	4278.8	4531.4	4820.7	5162.5	5489.4	5750.9	5742.0	5428.0	5071.3	45°
47.5°	4106.4	4427.4	4694.9	5023.8	5334.8	5742.0	6117.5	6310.7	6196.7	5825.2	5388.3	47.5°
50°	4361.0	4761.2	5091.1	5424.0	5819.3	6309.7	6671.3	6780.2	6560.3	6156.1	5696.4	50°
52.5°	4566.1	5068.3	5438.9	5822.2	6321.6	6837.7	7148.8	7108.2	6823.8	6408.7	5951.0	52.5°
55°	4739.4	5303.1	5745.0	6197.7	6816.9	7292.4	7499.5	7390.5	6993.2	6572.2	6125.4	55°
57.5°	4918.7	5531.0	6026.3	6551.4	7240.9	7649.1	7764.0	7540.1	7073.5	6634.6	6200.7	57.5°
60°	5098.1	5721.2	6275.0	6860.5	7561.9	7940.3	7908.6	7573.8	7049.7	6589.0	6150.2	60°
62.5°	5218.9	5834.1	6419.6	7050.7	7802.6	8088.9	7894.8	7453.9	6912.0	6409.7	5999.6	62.5°
63°	5221.9	5838.1	6428.5	7063.6	7829.4	8093.9	7868.0	7411.3	6868.4	6373.1	5955.0	63°
65°	5159.5	5763.8	6349.3	7005.1	7806.6	7980.0	7637.2	7159.7	6619.7	6119.5	5723.2	65°
67.5°	4840.5	5456.7	5973.8	6592.0	7398.4	7448.0	7019.0	6633.6	6148.2	5630.1	5216.0	67.5°
70°	4197.5	4709.7	5216.9	5733.1	6409.7	6400.8	5997.6	5801.4	5376.4	4786.0	4454.1	70°
72.5°	3338.6	3798.3	4154.9	4500.7	4946.5	4856.3	4596.8	4651.3	4375.9	3935.0	3737.8	72.5°
75°	2478.7	2983.9	3158.3	3299.0	3487.2	3488.2	3559.5	3714.1	3710.1	3465.4	3216.8	75°
77.5°	1625.7	2178.5	2237.0	2349.9	2575.8	2882.9	3199.9	3540.7	3625.9	3432.7	3065.2	77.5°
80°	906.5	1481.1	1413.7	1510.8	1754.5	2171.6	2639.2	3015.6	3237.6	3129.6	2740.2	80°
82.5°	463.6	854.0	816.3	951.1	1148.2	1510.8	1819.9	2109.2	2370.7	2355.8	2208.2	82.5°
85°	240.7	467.6	532.0	602.3	701.4	831.2	948.1	1032.3	1141.3	1333.5	1398.8	85°
87.5°	0.0	0.0	0.0	0.0	0.0	1.0	0.0	71.3	51.5	141.7	202.1	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°
1039.2	1039.2	1039.2	1039.2	1039.2	1039.2	1039.2
1027.3	1028.3	1026.3	1026.3	1027.3	1027.3	1025.4
1025.4	1025.4	1023.4	1021.4	1019.4	1019.4	1017.4
1048.1	1048.1	1041.2	1038.2	1033.3	1029.3	1027.3
1081.8	1075.9	1068.0	1062.0	1054.1	1045.2	1040.2
1115.5	1106.6	1096.7	1087.8	1077.9	1068.0	1063.0
1171.0	1159.1	1146.2	1135.3	1121.5	1106.6	1100.6
1256.2	1237.4	1220.5	1204.7	1179.9	1169.0	1157.1
1369.1	1341.4	1319.6	1292.8	1262.1	1252.2	1237.4
1505.8	1482.1	1438.5	1418.7	1387.9	1373.1	1376.1
1713.9	1683.2	1632.6	1613.8	1610.9	1578.2	1562.3
1985.3	1987.3	1940.7	1890.2	1862.5	1811.0	1745.6
2371.7	2344.9	2290.5	2238.9	2173.6	2076.5	1967.5
2839.3	2779.9	2689.7	2593.6	2477.7	2328.1	2175.5
3296.0	3192.0	3048.3	2887.8	2720.4	2534.2	2318.2
3697.2	3535.8	3320.8	3136.5	2899.7	2666.9	2403.4
4063.8	3863.7	3586.3	3347.5	3068.1	2769.0	2456.9
4418.4	4164.8	3825.0	3502.1	3186.0	2837.3	2482.7
4756.3	4429.3	4026.1	3641.8	3272.2	2881.9	2486.6
5015.8	4659.2	4206.4	3742.8	3331.7	2915.6	2486.6
5256.6	4853.4	4344.1	3822.1	3387.1	2938.4	2488.6
5443.8	4990.1	4433.3	3878.5	3430.7	2955.2	2497.5
5579.5	5079.2	4492.8	3913.2	3462.4	2979.0	2517.3
5674.6	5137.7	4525.4	3943.9	3501.1	3020.6	2572.8
5720.2	5245.7	4579.9	4005.3	3567.5	3108.8	2683.8
5685.5	5413.1	4735.5	4109.4	3659.6	3246.5	2861.1
5670.7	5443.8	4778.1	4132.1	3680.4	3276.2	2922.5
5554.8	5474.5	4953.4	4247.1	3779.5	3408.0	3093.9
5195.1	5353.7	5101.0	4441.2	3992.5	3727.9	3413.9
4729.5	5174.3	5074.3	4466.0	4128.2	3990.5	3616.0
4171.8	4632.4	4539.3	4136.1	3978.6	3993.4	3563.5
3283.1	3628.9	3567.5	3425.8	3457.5	3566.5	3052.3
2630.3	2583.7	2442.0	2451.9	2635.2	2763.0	2197.3
2148.8	1739.6	1555.4	1560.3	1880.3	2013.1	1399.8
2044.8	1645.5	1340.4	1171.0	1368.1	1317.6	731.1
1456.3	1459.3	1210.6	983.7	953.0	810.4	455.7
344.8	276.4	197.1	146.6	154.5	102.0	51.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)