

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: McGRAW-EDISON

Report Number: P226872

Luminaire Tested: **IST-AF-1200-LED-E1-SL2-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P226872  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35945)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: IST-AF-1200-LED-E1-SL2-7050  
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE  
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II W/SPILL CONTROL  
Light Source: (16) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6656 lumens  
Efficiency: N/A  
Efficacy: 100.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short - Semi-Cutoff  
BUG Rating: B1 - U1 - G2

Input Watts (W): 66  
Input Voltage (V): 120  
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



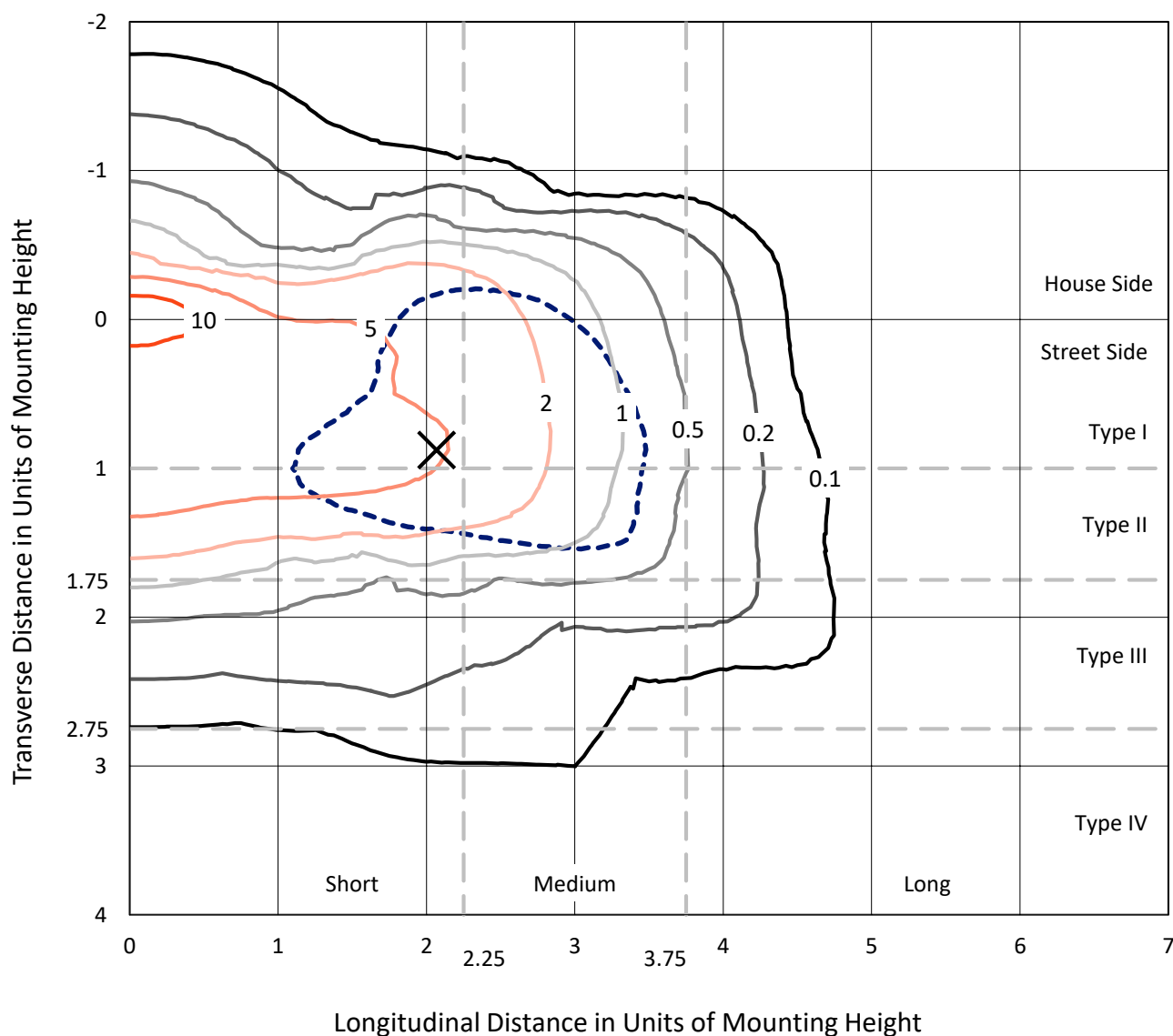
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

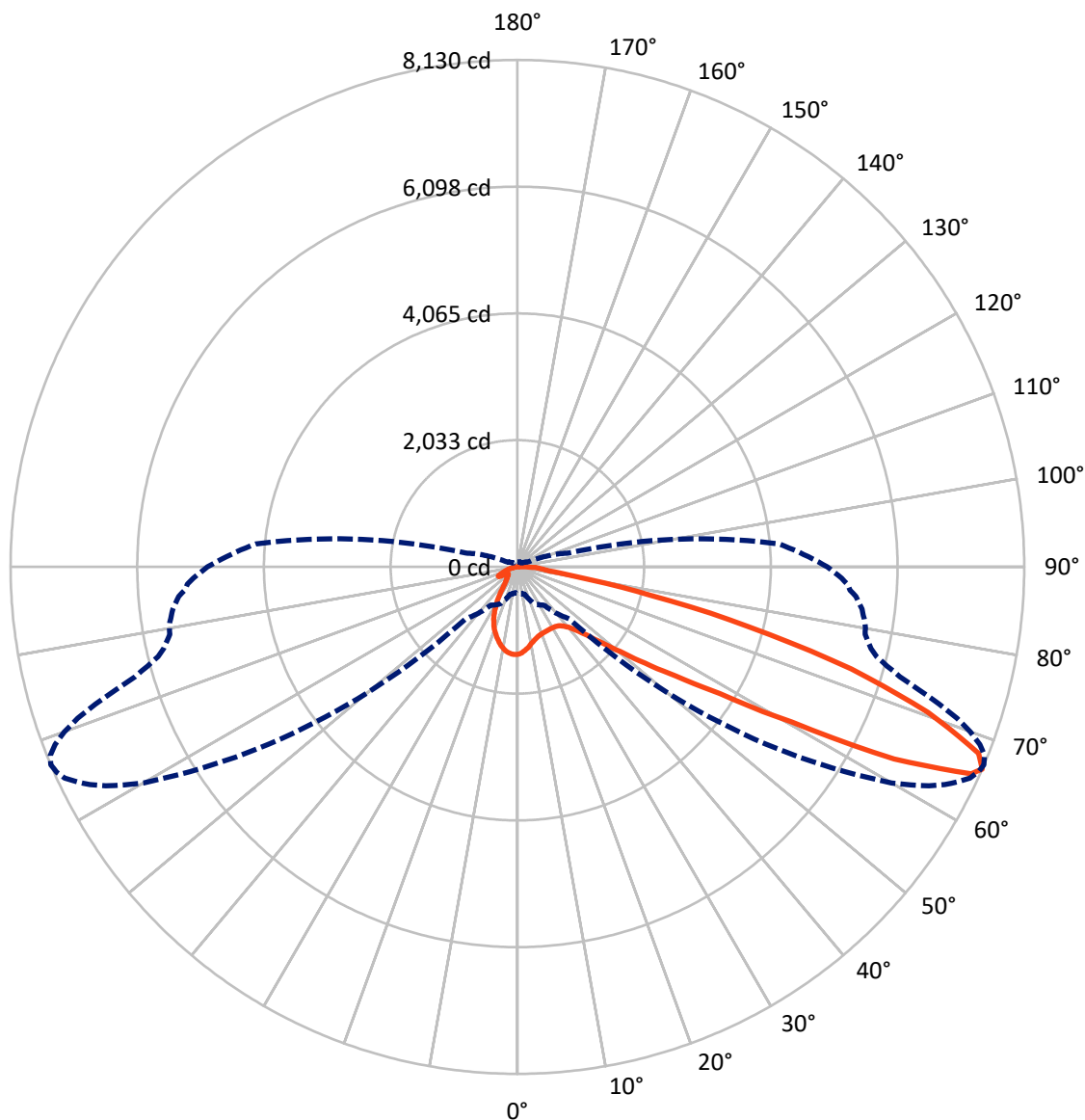


Based on 10 foot mounting height. Maximum calculated value = 14 fc  
 Type II - Short - Semi-Cutoff

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## Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral      - - - Horizontal Cone Through 66-Deg Vertical

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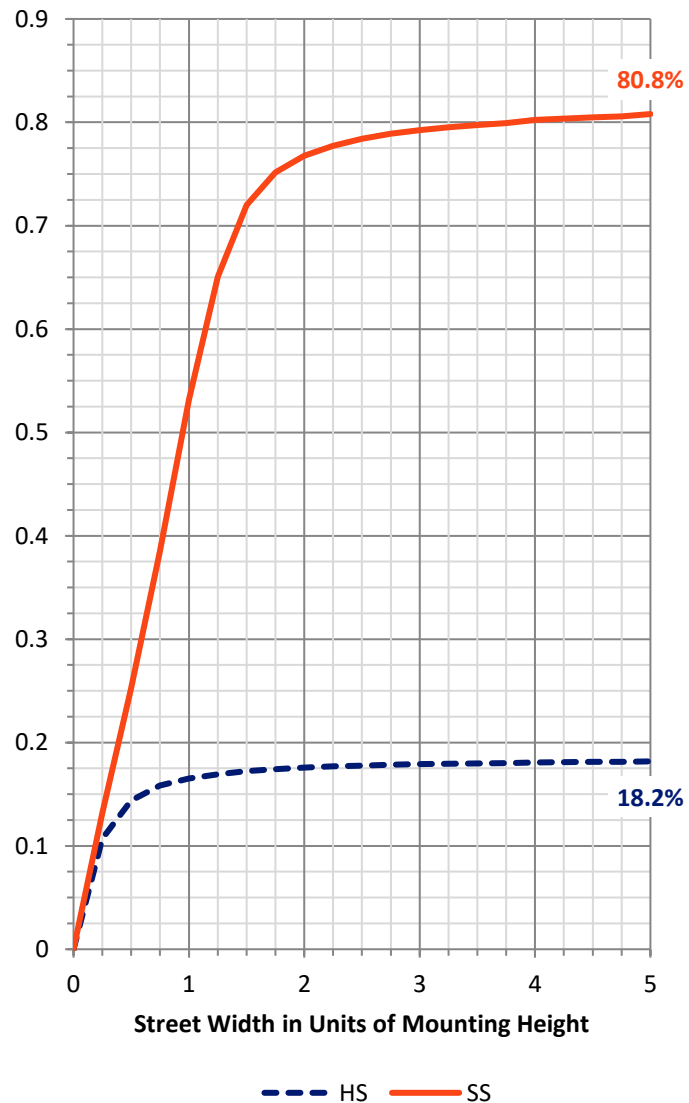
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1229.0   | 0.5    | 1229.5 |
|                    | % Fixture | 18.5     | 0.0    | 18.5   |
| <b>Street Side</b> | Lumens    | 5424.6   | 1.9    | 5426.5 |
|                    | % Fixture | 81.5     | 0.0    | 81.5   |
| <b>Total</b>       | Lumens    | 6653.5   | 2.4    | 6656.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 121.5  | 1.8       |
| 10°-20°   | 289.2  | 4.3       |
| 20°-30°   | 396.5  | 6.0       |
| 30°-40°   | 566.5  | 8.5       |
| 40°-50°   | 918.5  | 13.8      |
| 50°-60°   | 1455.3 | 21.9      |
| 60°-70°   | 1844.2 | 27.7      |
| 70°-80°   | 916.7  | 13.8      |
| 80°-90°   | 145.2  | 2.2       |
| 90°-100°  | 2.4    | 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°    | 6653.5 | 100.0     |
| 0°-180°   | 6656.0 | 100.0     |

**Coefficient of Utilization**



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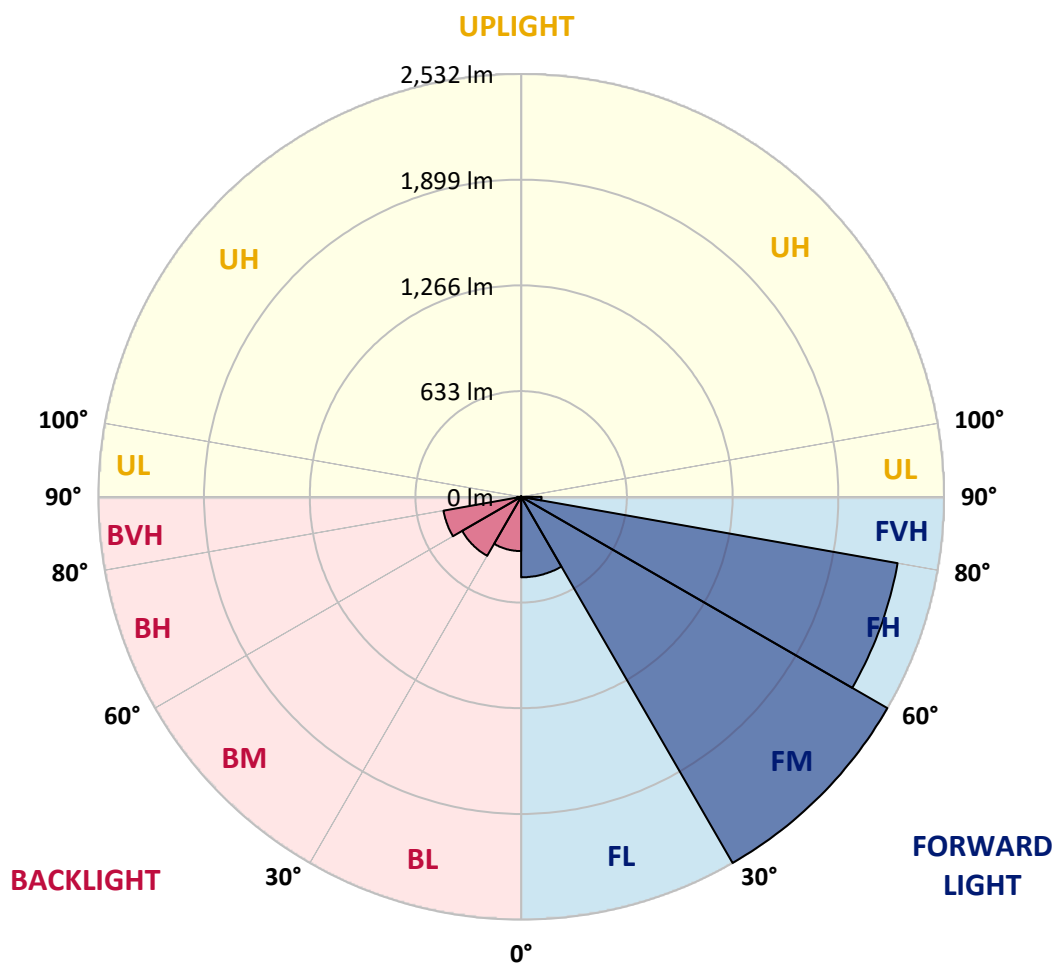
CATALOG NUMBER: IST-AF-1200-LED-E1-SL2-7050

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |       |         |
|------|-------------|--------|-----------|-------------------------|-------|---------|
|      |             |        |           | B                       | U     | G       |
| FL   | (0°-30°)    | 482.2  | 7.2       |                         |       |         |
| FM   | (30°-60°)   | 2532.0 | 38.0      |                         |       |         |
| FH   | (60°-80°)   | 2288.6 | 34.4      |                         |       | G2/5000 |
| FVH  | (80°-90°)   | 121.8  | 1.8       |                         |       | G2/225  |
| BL   | (0°-30°)    | 325.0  | 4.9       | B1/500                  |       |         |
| BM   | (30°-60°)   | 408.3  | 6.1       | B1/1000                 |       |         |
| BH   | (60°-80°)   | 472.3  | 7.1       | B1/500                  |       | G1/500  |
| BVH  | (80°-90°)   | 23.4   | 0.4       |                         |       | G1/100  |
| UL   | (90°-100°)  | 2.4    | 0.0       |                         | U1/10 |         |
| UH   | (100°-180°) | 0.5    | 0.0       |                         | U1/10 |         |

**BUG Rating: B1-U1-G2**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°   | 5°   | 15°  | 25°  | 35°  | 45°  | 55°  | 60°  | 61°  | 62°  | 63°  |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 0°     | 1401 | 1401 | 1401 | 1401 | 1401 | 1401 | 1401 | 1401 | 1401 | 1401 | 1401 |
| 2.5°   | 1302 | 1305 | 1322 | 1331 | 1344 | 1348 | 1363 | 1369 | 1374 | 1373 | 1373 |
| 5°     | 1185 | 1194 | 1202 | 1220 | 1239 | 1262 | 1291 | 1313 | 1317 | 1322 | 1325 |
| 7.5°   | 1096 | 1102 | 1116 | 1129 | 1153 | 1185 | 1226 | 1254 | 1260 | 1262 | 1269 |
| 10°    | 1033 | 1037 | 1049 | 1066 | 1094 | 1125 | 1168 | 1197 | 1206 | 1210 | 1216 |
| 12.5°  | 984  | 990  | 1001 | 1019 | 1049 | 1081 | 1126 | 1155 | 1161 | 1166 | 1175 |
| 15°    | 953  | 957  | 967  | 987  | 1014 | 1046 | 1090 | 1125 | 1129 | 1134 | 1142 |
| 17.5°  | 947  | 950  | 956  | 971  | 992  | 1023 | 1068 | 1097 | 1104 | 1111 | 1119 |
| 20°    | 971  | 973  | 975  | 977  | 989  | 1009 | 1053 | 1084 | 1090 | 1096 | 1106 |
| 22.5°  | 1023 | 1026 | 1021 | 1014 | 1005 | 1009 | 1046 | 1078 | 1082 | 1088 | 1096 |
| 25°    | 1113 | 1110 | 1095 | 1084 | 1052 | 1026 | 1048 | 1075 | 1080 | 1086 | 1095 |
| 27.5°  | 1219 | 1215 | 1206 | 1176 | 1123 | 1070 | 1060 | 1080 | 1083 | 1088 | 1096 |
| 30°    | 1333 | 1334 | 1326 | 1293 | 1225 | 1136 | 1087 | 1092 | 1094 | 1098 | 1103 |
| 32.5°  | 1436 | 1451 | 1450 | 1448 | 1351 | 1225 | 1139 | 1119 | 1116 | 1119 | 1121 |
| 35°    | 1555 | 1558 | 1586 | 1600 | 1521 | 1355 | 1215 | 1171 | 1159 | 1160 | 1158 |
| 37.5°  | 1683 | 1687 | 1735 | 1759 | 1698 | 1503 | 1316 | 1248 | 1237 | 1226 | 1218 |
| 40°    | 1869 | 1885 | 1910 | 1937 | 1907 | 1702 | 1449 | 1357 | 1329 | 1327 | 1311 |
| 42.5°  | 2147 | 2142 | 2130 | 2152 | 2116 | 1925 | 1610 | 1511 | 1490 | 1462 | 1440 |
| 45°    | 2420 | 2431 | 2379 | 2389 | 2391 | 2183 | 1843 | 1704 | 1693 | 1660 | 1636 |
| 47.5°  | 2604 | 2592 | 2522 | 2573 | 2698 | 2484 | 2113 | 1967 | 1944 | 1927 | 1912 |
| 50°    | 2614 | 2604 | 2559 | 2649 | 2916 | 3019 | 2489 | 2319 | 2286 | 2256 | 2247 |
| 52.5°  | 2370 | 2356 | 2371 | 2554 | 2995 | 3467 | 3020 | 2756 | 2729 | 2704 | 2669 |
| 55°    | 1935 | 1951 | 2022 | 2285 | 2874 | 3785 | 4065 | 3431 | 3315 | 3314 | 3228 |
| 57.5°  | 1445 | 1429 | 1482 | 1729 | 2568 | 3898 | 5025 | 4868 | 4609 | 4434 | 4223 |
| 60°    | 975  | 979  | 1028 | 1155 | 1787 | 3775 | 5668 | 6215 | 6124 | 6087 | 6030 |
| 62.5°  | 676  | 682  | 727  | 846  | 1045 | 3037 | 5856 | 6970 | 7133 | 7268 | 7235 |
| 65°    | 473  | 474  | 519  | 703  | 783  | 1560 | 5441 | 7070 | 7313 | 7545 | 7753 |
| 66°    | 417  | 418  | 455  | 654  | 751  | 1177 | 5081 | 6931 | 7208 | 7478 | 7693 |
| 67.5°  | 357  | 363  | 392  | 556  | 720  | 908  | 4197 | 6516 | 6806 | 7103 | 7387 |
| 70°    | 245  | 247  | 273  | 451  | 674  | 797  | 2392 | 5087 | 5488 | 6010 | 6312 |
| 72.5°  | 175  | 173  | 176  | 279  | 692  | 792  | 1257 | 3348 | 3909 | 4367 | 4694 |
| 75°    | 156  | 151  | 138  | 173  | 505  | 865  | 842  | 1971 | 2398 | 2815 | 3150 |
| 77.5°  | 139  | 131  | 124  | 133  | 250  | 815  | 756  | 1129 | 1347 | 1658 | 1916 |
| 80°    | 106  | 101  | 105  | 115  | 150  | 750  | 751  | 751  | 810  | 912  | 1014 |
| 82.5°  | 70   | 64   | 73   | 95   | 113  | 565  | 776  | 663  | 652  | 648  | 655  |
| 85°    | 44   | 38   | 51   | 71   | 87   | 295  | 796  | 700  | 649  | 600  | 551  |
| 87.5°  | 16   | 18   | 26   | 41   | 57   | 128  | 698  | 617  | 582  | 521  | 464  |
| 90°    | 4    | 3    | 5    | 12   | 13   | 24   | 107  | 171  | 102  | 51   | 41   |
| 92.5°  | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 95°    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 97.5°  | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 100°   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 102.5° | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 105°   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 107.5° | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |

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**CANDELA DISTRIBUTION (continued):**

|        | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 61° | 62° | 63° |
|--------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 110°   | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 112.5° | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 115°   | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 117.5° | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 120°   | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 122.5° | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 125°   | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 127.5° | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 130°   | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 132.5° | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 135°   | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 137.5° | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 140°   | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 142.5° | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 145°   | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 147.5° | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 150°   | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 152.5° | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 155°   | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 157.5° | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 160°   | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 162.5° | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 165°   | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 167.5° | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 170°   | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 172.5° | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 175°   | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 177.5° | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 180°   | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |

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**CANDELA DISTRIBUTION (continued):**

|        | 64°  | 65°  | 66°  | 67°  | 68°  | 69°  | 70°  | 71°  | 72°  | 73°  | 74°  |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 0°     | 1401 | 1401 | 1401 | 1401 | 1401 | 1401 | 1401 | 1401 | 1401 | 1401 | 1401 |
| 2.5°   | 1374 | 1379 | 1381 | 1379 | 1380 | 1386 | 1384 | 1387 | 1387 | 1389 | 1389 |
| 5°     | 1329 | 1333 | 1341 | 1340 | 1348 | 1351 | 1354 | 1358 | 1363 | 1366 | 1372 |
| 7.5°   | 1276 | 1284 | 1291 | 1295 | 1300 | 1310 | 1313 | 1322 | 1330 | 1338 | 1344 |
| 10°    | 1225 | 1236 | 1244 | 1247 | 1258 | 1263 | 1274 | 1281 | 1291 | 1301 | 1310 |
| 12.5°  | 1182 | 1192 | 1196 | 1206 | 1216 | 1226 | 1231 | 1244 | 1254 | 1267 | 1279 |
| 15°    | 1150 | 1160 | 1168 | 1175 | 1185 | 1195 | 1203 | 1216 | 1228 | 1241 | 1252 |
| 17.5°  | 1130 | 1136 | 1146 | 1152 | 1164 | 1176 | 1185 | 1200 | 1213 | 1224 | 1239 |
| 20°    | 1115 | 1122 | 1131 | 1140 | 1151 | 1166 | 1174 | 1190 | 1204 | 1217 | 1231 |
| 22.5°  | 1107 | 1114 | 1123 | 1132 | 1144 | 1156 | 1169 | 1183 | 1198 | 1212 | 1226 |
| 25°    | 1104 | 1110 | 1118 | 1127 | 1140 | 1153 | 1164 | 1180 | 1193 | 1208 | 1225 |
| 27.5°  | 1105 | 1109 | 1118 | 1126 | 1139 | 1151 | 1162 | 1178 | 1193 | 1207 | 1224 |
| 30°    | 1109 | 1112 | 1121 | 1128 | 1139 | 1151 | 1161 | 1178 | 1191 | 1206 | 1224 |
| 32.5°  | 1123 | 1127 | 1131 | 1136 | 1146 | 1155 | 1167 | 1182 | 1194 | 1209 | 1224 |
| 35°    | 1156 | 1153 | 1156 | 1158 | 1165 | 1174 | 1183 | 1196 | 1207 | 1220 | 1236 |
| 37.5°  | 1208 | 1202 | 1204 | 1203 | 1203 | 1209 | 1218 | 1227 | 1236 | 1249 | 1265 |
| 40°    | 1304 | 1289 | 1285 | 1274 | 1271 | 1276 | 1282 | 1283 | 1294 | 1311 | 1318 |
| 42.5°  | 1428 | 1408 | 1411 | 1393 | 1388 | 1382 | 1390 | 1385 | 1392 | 1403 | 1418 |
| 45°    | 1624 | 1605 | 1585 | 1556 | 1562 | 1540 | 1534 | 1536 | 1535 | 1539 | 1557 |
| 47.5°  | 1858 | 1833 | 1820 | 1809 | 1788 | 1775 | 1758 | 1733 | 1739 | 1747 | 1763 |
| 50°    | 2200 | 2192 | 2167 | 2131 | 2126 | 2107 | 2102 | 2080 | 2072 | 2071 | 2070 |
| 52.5°  | 2657 | 2605 | 2595 | 2561 | 2535 | 2517 | 2511 | 2480 | 2449 | 2467 | 2465 |
| 55°    | 3214 | 3171 | 3116 | 3086 | 3065 | 3022 | 3011 | 2972 | 2954 | 2944 | 2919 |
| 57.5°  | 4150 | 3999 | 3886 | 3830 | 3751 | 3671 | 3643 | 3563 | 3501 | 3457 | 3460 |
| 60°    | 5782 | 5513 | 5196 | 5054 | 4725 | 4677 | 4451 | 4396 | 4260 | 4170 | 4118 |
| 62.5°  | 7212 | 7139 | 6987 | 6780 | 6450 | 6070 | 5899 | 5559 | 5293 | 5177 | 5016 |
| 65°    | 7895 | 7998 | 8040 | 8001 | 7869 | 7637 | 7433 | 7101 | 6655 | 6403 | 6090 |
| 66°    | 7860 | 8013 | 8090 | 8130 | 8082 | 7945 | 7731 | 7458 | 7113 | 6729 | 6378 |
| 67.5°  | 7604 | 7753 | 7860 | 7982 | 7982 | 7939 | 7852 | 7670 | 7426 | 7091 | 6776 |
| 70°    | 6558 | 6760 | 6949 | 6986 | 7090 | 7058 | 7127 | 7011 | 6953 | 6813 | 6644 |
| 72.5°  | 5109 | 5278 | 5440 | 5602 | 5575 | 5540 | 5533 | 5557 | 5439 | 5481 | 5437 |
| 75°    | 3398 | 3689 | 3855 | 3839 | 3850 | 3859 | 3785 | 3620 | 3748 | 3586 | 3640 |
| 77.5°  | 2065 | 2200 | 2245 | 2195 | 2130 | 2046 | 1911 | 1832 | 1719 | 1728 | 1653 |
| 80°    | 1083 | 1100 | 1064 | 963  | 908  | 858  | 704  | 635  | 571  | 547  | 493  |
| 82.5°  | 621  | 580  | 536  | 502  | 437  | 393  | 333  | 295  | 254  | 218  | 205  |
| 85°    | 503  | 448  | 407  | 369  | 325  | 286  | 236  | 197  | 167  | 145  | 140  |
| 87.5°  | 415  | 377  | 335  | 299  | 256  | 216  | 167  | 130  | 103  | 83   | 77   |
| 90°    | 37   | 50   | 36   | 20   | 30   | 16   | 9    | 10   | 8    | 8    | 9    |
| 92.5°  | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 95°    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 97.5°  | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 100°   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 102.5° | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 105°   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 107.5° | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |

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**CANDELA DISTRIBUTION (continued):**

|        | 64° | 65° | 66° | 67° | 68° | 69° | 70° | 71° | 72° | 73° | 74° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 110°   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 112.5° | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 115°   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 117.5° | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 120°   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 122.5° | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 125°   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 127.5° | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 130°   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 132.5° | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 135°   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 137.5° | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 140°   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 142.5° | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 145°   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 147.5° | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 150°   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 152.5° | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 155°   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 157.5° | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 160°   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 162.5° | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 165°   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 167.5° | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 170°   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 172.5° | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 175°   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 177.5° | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 180°   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |

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**CANDELA DISTRIBUTION (continued):**

|        | 75°  | 76°  | 77°  | 78°  | 79°  | 80°  | 81°  | 82°  | 83°  | 84°  | 85°  |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 0°     | 1401 | 1401 | 1401 | 1401 | 1401 | 1401 | 1401 | 1401 | 1401 | 1401 | 1401 |
| 2.5°   | 1392 | 1392 | 1394 | 1396 | 1397 | 1397 | 1397 | 1399 | 1400 | 1397 | 1400 |
| 5°     | 1375 | 1380 | 1384 | 1387 | 1388 | 1391 | 1394 | 1396 | 1399 | 1399 | 1401 |
| 7.5°   | 1352 | 1361 | 1366 | 1371 | 1376 | 1381 | 1387 | 1391 | 1393 | 1397 | 1400 |
| 10°    | 1323 | 1334 | 1344 | 1352 | 1359 | 1369 | 1377 | 1383 | 1392 | 1393 | 1400 |
| 12.5°  | 1292 | 1308 | 1316 | 1331 | 1341 | 1356 | 1364 | 1373 | 1383 | 1388 | 1396 |
| 15°    | 1270 | 1284 | 1299 | 1313 | 1329 | 1347 | 1357 | 1369 | 1383 | 1394 | 1404 |
| 17.5°  | 1253 | 1272 | 1289 | 1307 | 1327 | 1346 | 1361 | 1374 | 1392 | 1398 | 1408 |
| 20°    | 1248 | 1269 | 1286 | 1305 | 1326 | 1351 | 1369 | 1383 | 1401 | 1411 | 1420 |
| 22.5°  | 1246 | 1266 | 1286 | 1309 | 1332 | 1358 | 1377 | 1395 | 1413 | 1422 | 1429 |
| 25°    | 1244 | 1265 | 1287 | 1313 | 1338 | 1365 | 1387 | 1404 | 1421 | 1430 | 1436 |
| 27.5°  | 1244 | 1266 | 1290 | 1316 | 1343 | 1373 | 1394 | 1410 | 1425 | 1433 | 1435 |
| 30°    | 1243 | 1266 | 1289 | 1318 | 1347 | 1378 | 1401 | 1416 | 1429 | 1434 | 1432 |
| 32.5°  | 1245 | 1269 | 1294 | 1323 | 1353 | 1383 | 1407 | 1424 | 1431 | 1430 | 1429 |
| 35°    | 1255 | 1277 | 1306 | 1335 | 1366 | 1394 | 1417 | 1429 | 1435 | 1433 | 1428 |
| 37.5°  | 1282 | 1304 | 1333 | 1365 | 1389 | 1421 | 1442 | 1451 | 1452 | 1446 | 1434 |
| 40°    | 1338 | 1360 | 1386 | 1421 | 1450 | 1472 | 1492 | 1502 | 1496 | 1485 | 1472 |
| 42.5°  | 1427 | 1455 | 1486 | 1514 | 1548 | 1578 | 1583 | 1589 | 1579 | 1558 | 1542 |
| 45°    | 1570 | 1587 | 1627 | 1648 | 1692 | 1707 | 1718 | 1721 | 1699 | 1682 | 1654 |
| 47.5°  | 1776 | 1809 | 1837 | 1857 | 1889 | 1909 | 1931 | 1921 | 1904 | 1875 | 1838 |
| 50°    | 2100 | 2121 | 2157 | 2193 | 2227 | 2241 | 2241 | 2231 | 2220 | 2164 | 2119 |
| 52.5°  | 2498 | 2500 | 2552 | 2595 | 2624 | 2603 | 2628 | 2603 | 2596 | 2557 | 2520 |
| 55°    | 2959 | 2940 | 3003 | 3041 | 3067 | 3092 | 3087 | 3084 | 3058 | 3014 | 2969 |
| 57.5°  | 3397 | 3452 | 3482 | 3538 | 3551 | 3568 | 3561 | 3551 | 3536 | 3511 | 3491 |
| 60°    | 4029 | 4066 | 4093 | 4104 | 4141 | 4146 | 4171 | 4130 | 4140 | 4111 | 4048 |
| 62.5°  | 4889 | 4849 | 4870 | 4870 | 4859 | 4820 | 4841 | 4857 | 4830 | 4806 | 4796 |
| 65°    | 5852 | 5723 | 5599 | 5578 | 5521 | 5508 | 5492 | 5452 | 5435 | 5393 | 5359 |
| 66°    | 6140 | 5940 | 5823 | 5751 | 5682 | 5667 | 5645 | 5603 | 5569 | 5510 | 5453 |
| 67.5°  | 6463 | 6205 | 6029 | 5927 | 5842 | 5786 | 5742 | 5682 | 5628 | 5540 | 5449 |
| 70°    | 6442 | 6229 | 6017 | 5862 | 5734 | 5619 | 5551 | 5422 | 5312 | 5186 | 5082 |
| 72.5°  | 5413 | 5375 | 5252 | 5165 | 5008 | 4947 | 4767 | 4685 | 4533 | 4370 | 4320 |
| 75°    | 3763 | 3614 | 3551 | 3516 | 3447 | 3257 | 3133 | 3160 | 2982 | 2823 | 2732 |
| 77.5°  | 1645 | 1675 | 1501 | 1423 | 1363 | 1260 | 1164 | 1098 | 1060 | 1035 | 922  |
| 80°    | 455  | 397  | 392  | 364  | 358  | 319  | 324  | 296  | 277  | 273  | 264  |
| 82.5°  | 199  | 195  | 189  | 186  | 183  | 179  | 174  | 173  | 167  | 162  | 163  |
| 85°    | 132  | 131  | 128  | 125  | 120  | 113  | 108  | 104  | 105  | 100  | 99   |
| 87.5°  | 77   | 75   | 74   | 70   | 69   | 63   | 64   | 59   | 58   | 57   | 54   |
| 90°    | 11   | 12   | 15   | 14   | 10   | 19   | 16   | 14   | 15   | 12   | 12   |
| 92.5°  | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 95°    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 97.5°  | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 100°   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 102.5° | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 105°   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 107.5° | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |

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REPORT N  
CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

|        | 75° | 76° | 77° | 78° | 79° | 80° | 81° | 82° | 83° | 84° | 85° |        |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 110°   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0°     |
| 112.5° | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 2.5°   |
| 115°   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 5°     |
| 117.5° | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 7.5°   |
| 120°   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 10°    |
| 122.5° | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 12.5°  |
| 125°   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 15°    |
| 127.5° | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 17.5°  |
| 130°   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 20°    |
| 132.5° | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 22.5°  |
| 135°   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 25°    |
| 137.5° | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 27.5°  |
| 140°   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 30°    |
| 142.5° | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 32.5°  |
| 145°   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 35°    |
| 147.5° | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 37.5°  |
| 150°   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 40°    |
| 152.5° | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 42.5°  |
| 155°   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 45°    |
| 157.5° | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 47.5°  |
| 160°   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 50°    |
| 162.5° | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 52.5°  |
| 165°   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 55°    |
| 167.5° | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 57.5°  |
| 170°   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 60°    |
| 172.5° | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 62.5°  |
| 175°   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 65°    |
| 177.5° | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 66°    |
| 180°   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 67.5°  |
|        |     |     |     |     |     |     |     |     |     |     |     | 70°    |
|        |     |     |     |     |     |     |     |     |     |     |     | 72.5°  |
|        |     |     |     |     |     |     |     |     |     |     |     | 75°    |
|        |     |     |     |     |     |     |     |     |     |     |     | 77.5°  |
|        |     |     |     |     |     |     |     |     |     |     |     | 80°    |
|        |     |     |     |     |     |     |     |     |     |     |     | 82.5°  |
|        |     |     |     |     |     |     |     |     |     |     |     | 85°    |
|        |     |     |     |     |     |     |     |     |     |     |     | 87.5°  |
|        |     |     |     |     |     |     |     |     |     |     |     | 90°    |
|        |     |     |     |     |     |     |     |     |     |     |     | 92.5°  |
|        |     |     |     |     |     |     |     |     |     |     |     | 95°    |
|        |     |     |     |     |     |     |     |     |     |     |     | 97.5°  |
|        |     |     |     |     |     |     |     |     |     |     |     | 100°   |
|        |     |     |     |     |     |     |     |     |     |     |     | 102.5° |
|        |     |     |     |     |     |     |     |     |     |     |     | 105°   |
|        |     |     |     |     |     |     |     |     |     |     |     | 107.5° |

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**DISTRIBUTION (continued):**

**CANDELA DISTRIBUTION**

| 86°  | 87°  | 88°  | 89°  | 90°  | 95°  | 105° | 115° | 125° | 135° | 145° | 110°   | 86° |
|------|------|------|------|------|------|------|------|------|------|------|--------|-----|
| 1401 | 1401 | 1401 | 1401 | 1401 | 1401 | 1401 | 1401 | 1401 | 1401 | 1401 | 110°   | 0   |
| 1403 | 1405 | 1406 | 1405 | 1407 | 1406 | 1407 | 1406 | 1401 | 1400 | 1399 | 112.5° | 0   |
| 1405 | 1409 | 1410 | 1411 | 1409 | 1411 | 1407 | 1391 | 1373 | 1353 | 1337 | 115°   | 0   |
| 1407 | 1412 | 1415 | 1415 | 1416 | 1414 | 1399 | 1364 | 1322 | 1280 | 1248 | 117.5° | 0   |
| 1406 | 1413 | 1416 | 1417 | 1417 | 1413 | 1377 | 1321 | 1257 | 1193 | 1128 | 120°   | 0   |
| 1403 | 1409 | 1414 | 1414 | 1415 | 1401 | 1345 | 1265 | 1174 | 1078 | 991  | 122.5° | 0   |
| 1409 | 1415 | 1415 | 1415 | 1414 | 1390 | 1311 | 1195 | 1073 | 943  | 814  | 125°   | 0   |
| 1418 | 1421 | 1419 | 1419 | 1415 | 1379 | 1273 | 1126 | 966  | 794  | 614  | 127.5° | 0   |
| 1426 | 1428 | 1427 | 1422 | 1417 | 1367 | 1234 | 1053 | 838  | 614  | 435  | 130°   | 0   |
| 1434 | 1436 | 1431 | 1423 | 1416 | 1351 | 1187 | 960  | 693  | 420  | 288  | 132.5° | 0   |
| 1435 | 1437 | 1428 | 1417 | 1407 | 1327 | 1130 | 861  | 534  | 272  | 225  | 135°   | 0   |
| 1434 | 1432 | 1417 | 1403 | 1392 | 1298 | 1067 | 738  | 356  | 205  | 196  | 137.5° | 0   |
| 1427 | 1418 | 1406 | 1390 | 1374 | 1266 | 1004 | 601  | 225  | 178  | 178  | 140°   | 0   |
| 1417 | 1408 | 1393 | 1372 | 1354 | 1235 | 932  | 461  | 180  | 164  | 166  | 142.5° | 0   |
| 1413 | 1403 | 1381 | 1359 | 1336 | 1207 | 856  | 310  | 162  | 155  | 156  | 145°   | 0   |
| 1421 | 1404 | 1382 | 1357 | 1330 | 1183 | 777  | 216  | 153  | 145  | 147  | 147.5° | 0   |
| 1448 | 1432 | 1406 | 1374 | 1345 | 1169 | 693  | 179  | 144  | 137  | 137  | 150°   | 0   |
| 1513 | 1492 | 1457 | 1419 | 1384 | 1178 | 618  | 163  | 137  | 130  | 130  | 152.5° | 0   |
| 1618 | 1593 | 1552 | 1509 | 1463 | 1222 | 533  | 157  | 132  | 122  | 120  | 155°   | 0   |
| 1798 | 1765 | 1711 | 1660 | 1605 | 1298 | 447  | 153  | 126  | 117  | 113  | 157.5° | 0   |
| 2081 | 2032 | 1968 | 1901 | 1834 | 1437 | 379  | 149  | 122  | 113  | 109  | 160°   | 0   |
| 2445 | 2412 | 2332 | 2244 | 2164 | 1714 | 340  | 146  | 119  | 108  | 105  | 162.5° | 0   |
| 2909 | 2855 | 2792 | 2713 | 2618 | 2073 | 336  | 145  | 116  | 104  | 102  | 165°   | 0   |
| 3399 | 3378 | 3271 | 3222 | 3119 | 2551 | 409  | 147  | 114  | 101  | 98   | 167.5° | 0   |
| 3958 | 3966 | 3866 | 3812 | 3727 | 3157 | 651  | 153  | 114  | 98   | 95   | 170°   | 0   |
| 4689 | 4702 | 4584 | 4520 | 4448 | 3836 | 1023 | 163  | 117  | 95   | 92   | 172.5° | 0   |
| 5288 | 5218 | 5142 | 5030 | 4939 | 4215 | 985  | 181  | 121  | 92   | 89   | 175°   | 0   |
| 5350 | 5300 | 5204 | 5083 | 4972 | 4217 | 860  | 187  | 122  | 91   | 88   | 177.5° | 0   |
| 5342 | 5253 | 5144 | 5042 | 4933 | 4109 | 665  | 195  | 125  | 89   | 86   | 180°   | 0   |
| 4972 | 4847 | 4741 | 4600 | 4486 | 3677 | 409  | 194  | 121  | 83   | 81   |        |     |
| 4100 | 4036 | 3910 | 3797 | 3678 | 2976 | 280  | 173  | 107  | 75   | 76   |        |     |
| 2652 | 2579 | 2451 | 2387 | 2320 | 1904 | 218  | 141  | 91   | 67   | 70   |        |     |
| 885  | 856  | 809  | 835  | 796  | 742  | 160  | 107  | 73   | 58   | 62   |        |     |
| 265  | 259  | 268  | 252  | 267  | 226  | 105  | 75   | 56   | 50   | 55   |        |     |
| 157  | 155  | 155  | 155  | 151  | 141  | 69   | 52   | 43   | 42   | 46   |        |     |
| 96   | 94   | 95   | 94   | 96   | 86   | 47   | 36   | 32   | 31   | 37   |        |     |
| 55   | 55   | 56   | 54   | 55   | 53   | 33   | 23   | 21   | 20   | 27   |        |     |
| 13   | 13   | 10   | 9    | 10   | 14   | 9    | 7    | 6    | 5    | 9    |        |     |
| 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |        |     |
| 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |        |     |
| 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |        |     |
| 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |        |     |
| 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |        |     |
| 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |        |     |
| 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |        |     |
| 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |        |     |

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REPORT NUMBER: P226872  
CATALOG NUMBER: IST-AF-12

**TION (continued):**

**CANDELA DISTRIBUTION (con**

| 87° | 88° | 89° | 90° | 95° | 105° | 115° | 125° | 135° | 145° |        | 155° | 165° |
|-----|-----|-----|-----|-----|------|------|------|------|------|--------|------|------|
| 0   | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 0°     | 1401 | 1401 |
| 0   | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 2.5°   | 1391 | 1384 |
| 0   | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 5°     | 1312 | 1293 |
| 0   | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 7.5°   | 1198 | 1176 |
| 0   | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 10°    | 1068 | 1035 |
| 0   | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 12.5°  | 902  | 837  |
| 0   | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 15°    | 710  | 623  |
| 0   | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 17.5°  | 489  | 419  |
| 0   | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 20°    | 343  | 317  |
| 0   | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 22.5°  | 265  | 266  |
| 0   | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 25°    | 220  | 230  |
| 0   | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 27.5°  | 194  | 204  |
| 0   | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 30°    | 178  | 187  |
| 0   | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 32.5°  | 167  | 171  |
| 0   | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 35°    | 154  | 156  |
| 0   | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 37.5°  | 143  | 143  |
| 0   | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 40°    | 133  | 132  |
| 0   | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 42.5°  | 124  | 123  |
| 0   | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 45°    | 115  | 116  |
| 0   | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 47.5°  | 110  | 111  |
| 0   | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 50°    | 105  | 106  |
| 0   | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 52.5°  | 101  | 101  |
| 0   | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 55°    | 97   | 96   |
| 0   | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 57.5°  | 94   | 92   |
| 0   | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 60°    | 91   | 89   |
| 0   | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 62.5°  | 89   | 86   |
| 0   | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 65°    | 87   | 85   |
| 0   | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 66°    | 86   | 84   |
| 0   | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 67.5°  | 85   | 83   |
|     |     |     |     |     |      |      |      |      |      | 70°    | 81   | 79   |
|     |     |     |     |     |      |      |      |      |      | 72.5°  | 75   | 74   |
|     |     |     |     |     |      |      |      |      |      | 75°    | 69   | 67   |
|     |     |     |     |     |      |      |      |      |      | 77.5°  | 61   | 60   |
|     |     |     |     |     |      |      |      |      |      | 80°    | 52   | 51   |
|     |     |     |     |     |      |      |      |      |      | 82.5°  | 44   | 42   |
|     |     |     |     |     |      |      |      |      |      | 85°    | 35   | 33   |
|     |     |     |     |     |      |      |      |      |      | 87.5°  | 24   | 22   |
|     |     |     |     |     |      |      |      |      |      | 90°    | 6    | 7    |
|     |     |     |     |     |      |      |      |      |      | 92.5°  | 0    | 0    |
|     |     |     |     |     |      |      |      |      |      | 95°    | 0    | 0    |
|     |     |     |     |     |      |      |      |      |      | 97.5°  | 0    | 0    |
|     |     |     |     |     |      |      |      |      |      | 100°   | 0    | 0    |
|     |     |     |     |     |      |      |      |      |      | 102.5° | 0    | 0    |
|     |     |     |     |     |      |      |      |      |      | 105°   | 0    | 0    |
|     |     |     |     |     |      |      |      |      |      | 107.5° | 0    | 0    |

00-LED-E1-SL2-7050

REPORT NUMBER: P226872

CATALOG NUMBER: IST-AF-1200-LED-E1

**tinued):**

| 175° | 180° |
|------|------|
| 1401 | 1401 |
| 1378 | 1387 |
| 1287 | 1284 |
| 1158 | 1159 |
| 1002 | 1004 |
| 800  | 788  |
| 573  | 578  |
| 399  | 398  |
| 320  | 322  |
| 274  | 274  |
| 244  | 244  |
| 215  | 216  |
| 195  | 197  |
| 177  | 178  |
| 159  | 160  |
| 144  | 144  |
| 134  | 135  |
| 127  | 127  |
| 120  | 120  |
| 114  | 116  |
| 108  | 109  |
| 102  | 103  |
| 96   | 96   |
| 91   | 91   |
| 87   | 86   |
| 84   | 82   |
| 81   | 80   |
| 80   | 79   |
| 79   | 78   |
| 77   | 76   |
| 74   | 73   |
| 68   | 66   |
| 62   | 60   |
| 57   | 54   |
| 48   | 46   |
| 35   | 33   |
| 21   | 21   |
| 5    | 5    |
| 0    | 0    |
| 0    | 0    |
| 0    | 0    |
| 0    | 0    |
| 0    | 0    |
| 0    | 0    |
| 0    | 0    |
| 0    | 0    |

**CANDELA DISTRIBUTION (continued):**

|        | 155° | 165° | 175° |
|--------|------|------|------|
| 110°   | 0    | 0    | 0    |
| 112.5° | 0    | 0    | 0    |
| 115°   | 0    | 0    | 0    |
| 117.5° | 0    | 0    | 0    |
| 120°   | 0    | 0    | 0    |
| 122.5° | 0    | 0    | 0    |
| 125°   | 0    | 0    | 0    |
| 127.5° | 0    | 0    | 0    |
| 130°   | 0    | 0    | 0    |
| 132.5° | 0    | 0    | 0    |
| 135°   | 0    | 0    | 0    |
| 137.5° | 0    | 0    | 0    |
| 140°   | 0    | 0    | 0    |
| 142.5° | 0    | 0    | 0    |
| 145°   | 0    | 0    | 0    |
| 147.5° | 0    | 0    | 0    |
| 150°   | 0    | 0    | 0    |
| 152.5° | 0    | 0    | 0    |
| 155°   | 0    | 0    | 0    |
| 157.5° | 0    | 0    | 0    |
| 160°   | 0    | 0    | 0    |
| 162.5° | 0    | 0    | 0    |
| 165°   | 0    | 0    | 0    |
| 167.5° | 0    | 0    | 0    |
| 170°   | 0    | 0    | 0    |
| 172.5° | 0    | 0    | 0    |
| 175°   | 0    | 0    | 0    |
| 177.5° | 0    | 0    | 0    |
| 180°   | 0    | 0    | 0    |

|     | 0° | 90° | 180° |
|-----|----|-----|------|
| 0   | 0  | 0   | 0    |
| 1   | 0  | 0   | 0    |
| 2   | 0  | 0   | 0    |
| 3   | 0  | 0   | 0    |
| 4   | 0  | 0   | 0    |
| 5   | 0  | 0   | 0    |
| 6   | 0  | 0   | 0    |
| 7   | 0  | 0   | 0    |
| 8   | 0  | 0   | 0    |
| 9   | 0  | 0   | 0    |
| 10  | 0  | 0   | 0    |
| 11  | 0  | 0   | 0    |
| 12  | 0  | 0   | 0    |
| 13  | 0  | 0   | 0    |
| 14  | 0  | 0   | 0    |
| 15  | 0  | 0   | 0    |
| 16  | 0  | 0   | 0    |
| 17  | 0  | 0   | 0    |
| 18  | 0  | 0   | 0    |
| 19  | 0  | 0   | 0    |
| 20  | 0  | 0   | 0    |
| 21  | 0  | 0   | 0    |
| 22  | 0  | 0   | 0    |
| 23  | 0  | 0   | 0    |
| 24  | 0  | 0   | 0    |
| 25  | 0  | 0   | 0    |
| 26  | 0  | 0   | 0    |
| 27  | 0  | 0   | 0    |
| 28  | 0  | 0   | 0    |
| 29  | 0  | 0   | 0    |
| 30  | 0  | 0   | 0    |
| 31  | 0  | 0   | 0    |
| 32  | 0  | 0   | 0    |
| 33  | 0  | 0   | 0    |
| 34  | 0  | 0   | 0    |
| 35  | 0  | 0   | 0    |
| 36  | 0  | 0   | 0    |
| 37  | 0  | 0   | 0    |
| 38  | 0  | 0   | 0    |
| 39  | 0  | 0   | 0    |
| 40  | 0  | 0   | 0    |
| 41  | 0  | 0   | 0    |
| 42  | 0  | 0   | 0    |
| 43  | 0  | 0   | 0    |
| 44  | 0  | 0   | 0    |
| 45  | 0  | 0   | 0    |
| 46  | 0  | 0   | 0    |
| 47  | 0  | 0   | 0    |
| 48  | 0  | 0   | 0    |
| 49  | 0  | 0   | 0    |
| 50  | 0  | 0   | 0    |
| 51  | 0  | 0   | 0    |
| 52  | 0  | 0   | 0    |
| 53  | 0  | 0   | 0    |
| 54  | 0  | 0   | 0    |
| 55  | 0  | 0   | 0    |
| 56  | 0  | 0   | 0    |
| 57  | 0  | 0   | 0    |
| 58  | 0  | 0   | 0    |
| 59  | 0  | 0   | 0    |
| 60  | 0  | 0   | 0    |
| 61  | 0  | 0   | 0    |
| 62  | 0  | 0   | 0    |
| 63  | 0  | 0   | 0    |
| 64  | 0  | 0   | 0    |
| 65  | 0  | 0   | 0    |
| 66  | 0  | 0   | 0    |
| 67  | 0  | 0   | 0    |
| 68  | 0  | 0   | 0    |
| 69  | 0  | 0   | 0    |
| 70  | 0  | 0   | 0    |
| 71  | 0  | 0   | 0    |
| 72  | 0  | 0   | 0    |
| 73  | 0  | 0   | 0    |
| 74  | 0  | 0   | 0    |
| 75  | 0  | 0   | 0    |
| 76  | 0  | 0   | 0    |
| 77  | 0  | 0   | 0    |
| 78  | 0  | 0   | 0    |
| 79  | 0  | 0   | 0    |
| 80  | 0  | 0   | 0    |
| 81  | 0  | 0   | 0    |
| 82  | 0  | 0   | 0    |
| 83  | 0  | 0   | 0    |
| 84  | 0  | 0   | 0    |
| 85  | 0  | 0   | 0    |
| 86  | 0  | 0   | 0    |
| 87  | 0  | 0   | 0    |
| 88  | 0  | 0   | 0    |
| 89  | 0  | 0   | 0    |
| 90  | 0  | 0   | 0    |
| 91  | 0  | 0   | 0    |
| 92  | 0  | 0   | 0    |
| 93  | 0  | 0   | 0    |
| 94  | 0  | 0   | 0    |
| 95  | 0  | 0   | 0    |
| 96  | 0  | 0   | 0    |
| 97  | 0  | 0   | 0    |
| 98  | 0  | 0   | 0    |
| 99  | 0  | 0   | 0    |
| 100 | 0  | 0   | 0    |
| 101 | 0  | 0   | 0    |
| 102 | 0  | 0   | 0    |
| 103 | 0  | 0   | 0    |
| 104 | 0  | 0   | 0    |
| 105 | 0  | 0   | 0    |
| 106 | 0  | 0   | 0    |
| 107 | 0  | 0   | 0    |
| 108 | 0  | 0   | 0    |
| 109 | 0  | 0   | 0    |
| 110 | 0  | 0   | 0    |
| 111 | 0  | 0   | 0    |
| 112 | 0  | 0   | 0    |
| 113 | 0  | 0   | 0    |
| 114 | 0  | 0   | 0    |
| 115 | 0  | 0   | 0    |
| 116 | 0  | 0   | 0    |
| 117 | 0  | 0   | 0    |
| 118 | 0  | 0   | 0    |
| 119 | 0  | 0   | 0    |
| 120 | 0  | 0   | 0    |
| 121 | 0  | 0   | 0    |
| 122 | 0  | 0   | 0    |
| 123 | 0  | 0   | 0    |
| 124 | 0  | 0   | 0    |
| 125 | 0  | 0   | 0    |
| 126 | 0  | 0   | 0    |
| 127 | 0  | 0   | 0    |
| 128 | 0  | 0   | 0    |
| 129 | 0  | 0   | 0    |
| 130 | 0  | 0   | 0    |
| 131 | 0  | 0   | 0    |
| 132 | 0  | 0   | 0    |
| 133 | 0  | 0   | 0    |
| 134 | 0  | 0   | 0    |
| 135 | 0  | 0   | 0    |
| 136 | 0  | 0   | 0    |
| 137 | 0  | 0   | 0    |
| 138 | 0  | 0   | 0</  |