

COMMERCIAL FLOOR LOADS

COMMERCIAL FLOOR LOADS: SIMPLE-SPAN JOIST—ALLOWABLE LOADS FOR PWI JOISTS (PLF)

| Joist Spacing (ft) | PWI 60 | | | | | | | | | | | | | | | | PWI 70 | | | | | | | | | | | | | | | | | | | | |
|--------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| | 9½" | | | | 11⅞" | | | | 14" | | | | 16" | | | | 11⅞" | | | | 14" | | | | 16" | | | | 18" | | | | 20" | | | | |
| | L/600 | L/480 | L/360 | TOTAL | L/600 | L/480 | L/360 | TOTAL | L/600 | L/480 | L/360 | TOTAL | L/600 | L/480 | L/360 | TOTAL | L/600 | L/480 | L/360 | TOTAL | L/600 | L/480 | L/360 | TOTAL | L/600 | L/480 | L/360 | TOTAL | L/600 | L/480 | L/360 | TOTAL | L/600 | L/480 | L/360 | TOTAL | |
| 6 | - | - | - | 364 | - | - | - | 424 | - | - | - | 457 | - | - | - | 486 | - | - | - | 473 | - | - | - | 548 | - | - | - | 585 | - | - | - | 664 | - | - | - | 668 | |
| 7 | - | - | - | 312 | - | - | - | 364 | - | - | - | 391 | - | - | - | 416 | - | - | - | 406 | - | - | - | 469 | - | - | - | 501 | - | - | - | 569 | - | - | - | 572 | |
| 8 | - | - | - | 273 | - | - | - | 318 | - | - | - | 343 | - | - | - | 364 | - | - | - | 355 | - | - | - | 411 | - | - | - | 439 | - | - | - | 498 | - | - | - | 501 | |
| 9 | 215 | - | - | 243 | - | - | - | 283 | - | - | - | 304 | - | - | - | 324 | - | - | - | 316 | - | - | - | 365 | - | - | - | 390 | - | - | - | 443 | - | - | - | 445 | |
| 10 | 164 | 205 | - | 219 | - | - | - | 255 | - | - | - | 274 | - | - | - | 291 | 284 | - | - | 284 | - | - | - | 329 | - | - | - | 351 | - | - | - | 399 | - | - | - | 401 | |
| 11 | 128 | 160 | - | 199 | 206 | - | - | 232 | - | - | - | 249 | - | - | - | 265 | 224 | - | - | 258 | - | - | - | 299 | - | - | - | 319 | - | - | - | 362 | - | - | - | 364 | |
| 12 | 101 | 127 | 169 | 182 | 165 | 206 | - | 212 | - | - | - | 228 | - | - | - | 243 | 179 | 224 | - | 237 | 250 | - | - | 274 | - | - | - | 292 | - | - | - | 332 | - | - | - | 334 | |
| 13 | 81 | 102 | 136 | 168 | 133 | 167 | - | 196 | 189 | - | - | 211 | - | - | - | 224 | 145 | 182 | - | 218 | 204 | - | - | 253 | 266 | - | - | 270 | - | - | - | 307 | - | - | - | 308 | |
| 14 | 66 | 83 | 111 | 154 | 109 | 137 | - | 182 | 155 | 194 | - | 196 | 205 | - | - | 208 | 119 | 149 | 199 | 203 | 168 | 210 | - | 235 | 221 | - | - | 251 | 279 | - | - | 285 | - | - | - | 286 | |
| 15 | 55 | 68 | 91 | 134 | 91 | 113 | 151 | 170 | 129 | 162 | - | 183 | 171 | - | - | 194 | 99 | 124 | 165 | 189 | 140 | 175 | - | 219 | 185 | 231 | - | - | 234 | 234 | - | - | 266 | - | - | - | 267 |
| 16 | 46 | 57 | 76 | 114 | 76 | 95 | 126 | 153 | 109 | 136 | - | 171 | 144 | 181 | - | 182 | 83 | 104 | 139 | 178 | 118 | 148 | 197 | 205 | 156 | 195 | - | 219 | 198 | 248 | - | 249 | 245 | - | - | 250 | |
| 17 | | | | | 64 | 80 | 107 | 136 | 92 | 115 | 153 | 161 | 123 | 153 | - | 171 | 70 | 88 | 117 | 167 | 100 | 125 | 167 | 193 | 133 | 166 | - | 206 | 169 | 211 | - | 234 | 209 | - | - | 236 | |
| 18 | | | | | 55 | 68 | 91 | 121 | 79 | 98 | 131 | 146 | 105 | 131 | - | 162 | 60 | 75 | 100 | 150 | 86 | 107 | 143 | 183 | 114 | 142 | 189 | 195 | 145 | 182 | - | 221 | 180 | - | - | 223 | |
| 19 | | | | | 47 | 59 | 78 | 109 | 68 | 85 | 113 | 131 | 91 | 113 | 151 | 151 | 52 | 65 | 86 | 129 | 74 | 92 | 123 | 173 | 98 | 123 | 164 | 185 | 126 | 157 | 209 | 210 | 156 | 195 | - | - | 211 |
| 20 | | | | | 41 | 51 | 68 | 98 | 59 | 73 | 98 | 118 | 79 | 98 | 131 | 137 | 45 | 56 | 74 | 112 | 64 | 80 | 107 | 160 | 85 | 107 | 142 | 175 | 109 | 137 | 182 | 199 | 136 | 170 | - | - | 200 |
| 21 | | | | | | | | | 51 | 64 | 85 | 107 | 69 | 86 | 115 | 124 | | | | | | | | | | | | | | | | | | | | | 191 |
| 22 | | | | | | | | | 45 | 56 | 75 | 97 | 60 | 75 | 101 | 113 | | | | | | | | | | | | | | | | | | | | | 182 |
| 23 | | | | | | | | | 39 | 49 | 66 | 89 | 53 | 67 | 89 | 103 | | | | | | | | | | | | | | | | | | | | | 174 |
| 24 | | | | | | | | | 35 | 44 | 58 | 82 | 47 | 59 | 79 | 95 | | | | | | | | | | | | | | | | | | | | | 160 |
| 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 147 |
| 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 136 |
| 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 126 |
| 28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 117 |
| 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 109 |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 102 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 96 |
| 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 90 |
| 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 84 |
| 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 77 |
| 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 71 |
| 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

See notes on page 18

Formatting in the Total column indicates where web stiffeners are required:

123 = All Supports **123** = Intermediate Supports Only **123** = End Supports Only 123 = Not Required

PSF TO PLF CONVERSION – LOAD IN POUNDS PER LINEAL FOOT (PLF)

| O.C. Spacing | | Load in Pounds per Square Foot (psf) | | | | | | | | | | | |
|--------------|--------|--------------------------------------|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| (inches) | (feet) | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
| 12 | 1.00 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
| 16 | 1.33 | 27 | 33 | 40 | 47 | 53 | 60 | 67 | 73 | 80 | 87 | 93 | 100 |
| 19.2 | 1.60 | 32 | 40 | 48 | 56 | 64 | 72 | 80 | 88 | 96 | 104 | 112 | 120 |
| 24 | 2.00 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 |

o.c. spacing (ft) x load (psf) = load (plf)

COMMERCIAL FLOOR LOADS

COMMERCIAL FLOOR LOADS: SIMPLE-SPAN JOIST—ALLOWABLE LOADS FOR PWI JOISTS (PLF)

| Joist Span (ft) | PWI 77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|--|--|--|
| | 9½" | | | | 11½" | | | | 14" | | | | 16" | | | | 18" | | | | 20" | | | | 22" | | | | 24" | | | |
| | L/600 | L/480 | L/360 | TOTAL | L/600 | L/480 | L/360 | TOTAL | L/600 | L/480 | L/360 | TOTAL | L/600 | L/480 | L/360 | TOTAL | L/600 | L/480 | L/360 | TOTAL | L/600 | L/480 | L/360 | TOTAL | L/600 | L/480 | L/360 | TOTAL | | | | |
| 6 | - | - | - | 477 | - | - | - | 635 | - | - | - | 664 | - | - | - | 693 | - | - | - | 770 | - | - | - | 786 | - | - | - | 870 | | | | |
| 7 | - | - | - | 409 | - | - | - | 544 | - | - | - | 569 | - | - | - | 594 | - | - | - | 660 | - | - | - | 674 | - | - | - | 745 | | | | |
| 8 | 326 | - | - | 358 | - | - | - | 476 | - | - | - | 498 | - | - | - | 520 | - | - | - | 577 | - | - | - | 590 | - | - | - | 652 | | | | |
| 9 | 243 | 304 | - | 318 | 379 | - | - | 423 | - | - | - | 442 | - | - | - | 462 | - | - | - | 513 | - | - | - | 524 | - | - | - | 580 | | | | |
| 10 | 186 | 232 | - | 286 | 293 | 366 | - | 381 | - | - | - | 398 | - | - | - | 416 | - | - | - | 462 | - | - | - | 472 | - | - | - | 522 | | | | |
| 11 | 144 | 181 | 241 | 260 | 230 | 288 | - | 346 | 321 | - | - | 362 | - | - | - | 378 | - | - | - | 420 | - | - | - | 429 | - | - | - | 474 | | | | |
| 12 | 114 | 143 | 191 | 238 | 184 | 230 | 306 | 318 | 258 | 322 | - | 332 | 336 | - | - | 346 | - | - | - | 385 | - | - | - | 393 | - | - | - | 435 | | | | |
| 13 | 92 | 115 | 153 | 220 | 149 | 186 | 248 | 293 | 210 | 262 | - | 306 | 275 | - | - | 320 | 347 | - | - | 355 | - | - | - | 363 | - | - | - | 401 | | | | |
| 14 | 75 | 94 | 125 | 187 | 122 | 152 | 203 | 272 | 173 | 216 | - | 284 | 227 | 284 | - | - | 297 | 288 | - | - | 330 | - | - | - | 337 | - | - | - | 373 | | | |
| 15 | 62 | 77 | 103 | 155 | 101 | 126 | 169 | 237 | 144 | 180 | 239 | 265 | 190 | 237 | - | - | 277 | 241 | 301 | - | 308 | 298 | - | - | 314 | - | - | - | 348 | | | |
| 16 | 52 | 65 | 86 | 129 | 85 | 106 | 141 | 209 | 121 | 151 | 201 | 249 | 160 | 200 | - | - | 260 | 204 | 255 | - | 289 | 252 | - | - | 295 | 305 | - | - | 326 | | | |
| 17 | - | - | - | - | 72 | 89 | 119 | 179 | 102 | 128 | 170 | 220 | 136 | 170 | 226 | 245 | 173 | 217 | - | 272 | 215 | 269 | - | 277 | 261 | - | - | 307 | | | | |
| 18 | - | - | - | - | 61 | 76 | 102 | 152 | 87 | 109 | 146 | 197 | 116 | 145 | 194 | 225 | 149 | 186 | 248 | 253 | 185 | 231 | - | 262 | 225 | 281 | - | 290 | | | | |
| 19 | - | - | - | - | 52 | 65 | 87 | 131 | 75 | 94 | 125 | 176 | 100 | 125 | 167 | 202 | 129 | 161 | 214 | 227 | 160 | 200 | - | 248 | 195 | 244 | - | 275 | | | | |
| 20 | - | - | - | - | 45 | 57 | 75 | 113 | 65 | 81 | 109 | 159 | 87 | 109 | 145 | 182 | 112 | 140 | 186 | 205 | 139 | 174 | - | 228 | 170 | 212 | - | 250 | | | | |
| 21 | - | - | - | - | 57 | 71 | 95 | 142 | 57 | 71 | 95 | 142 | 76 | 95 | 127 | 165 | 98 | 122 | 163 | 186 | 122 | 153 | 203 | 207 | 149 | 186 | - | 227 | | | | |
| 22 | - | - | - | - | 50 | 62 | 83 | 124 | 67 | 83 | 111 | 151 | 86 | 107 | 143 | 170 | 107 | 134 | 179 | 188 | 131 | 164 | - | 207 | 157 | 197 | - | 225 | | | | |
| 23 | - | - | - | - | 44 | 55 | 73 | 110 | 59 | 73 | 98 | 138 | 76 | 95 | 126 | 155 | 95 | 119 | 158 | 172 | 116 | 145 | - | 189 | 139 | 174 | - | 206 | | | | |
| 24 | - | - | - | - | 39 | 49 | 65 | 97 | 52 | 65 | 87 | 127 | 67 | 84 | 112 | 143 | 84 | 105 | 141 | 158 | 103 | 129 | 172 | 174 | 124 | 155 | - | 189 | | | | |
| 25 | - | - | - | - | 46 | 58 | 77 | 116 | 60 | 75 | 100 | 131 | 75 | 94 | 125 | 146 | 92 | 115 | 154 | 160 | 111 | 139 | - | 160 | 111 | 139 | - | 174 | | | | |
| 26 | - | - | - | - | 41 | 52 | 69 | 104 | 54 | 67 | 89 | 121 | 67 | 84 | 112 | 135 | 83 | 103 | 138 | 148 | 99 | 124 | - | 147 | 99 | 124 | - | 161 | | | | |
| 27 | - | - | - | - | 37 | 47 | 62 | 93 | 48 | 60 | 80 | 113 | 61 | 76 | 101 | 125 | 74 | 93 | 124 | 137 | 90 | 112 | 149 | 150 | 112 | 149 | - | 150 | | | | |
| 28 | - | - | - | - | 34 | 42 | 56 | 84 | 43 | 54 | 72 | 105 | 55 | 68 | 91 | 116 | 67 | 84 | 112 | 128 | 81 | 101 | 135 | 139 | 101 | 135 | - | 139 | | | | |
| 29 | - | - | - | - | 39 | 49 | 65 | 98 | 39 | 49 | 65 | 98 | 49 | 62 | 82 | 108 | 61 | 76 | 101 | 119 | 73 | 92 | 122 | 130 | 92 | 122 | - | 130 | | | | |
| 30 | - | - | - | - | 36 | 45 | 59 | 89 | 36 | 45 | 59 | 89 | 45 | 56 | 75 | 101 | 55 | 69 | 92 | 111 | 67 | 83 | 111 | 121 | 67 | 83 | - | 121 | | | | |
| 31 | - | - | - | - | 32 | 41 | 54 | 81 | 41 | 51 | 68 | 95 | 50 | 63 | 84 | 104 | 61 | 76 | 101 | 113 | 61 | 76 | 101 | 113 | 61 | 76 | - | 113 | | | | |
| 32 | - | - | - | - | 37 | 47 | 62 | 89 | 46 | 57 | 76 | 98 | 55 | 69 | 92 | 116 | 67 | 84 | 112 | 128 | 81 | 101 | 135 | 139 | 101 | 135 | - | 139 | | | | |
| 33 | - | - | - | - | 34 | 43 | 57 | 84 | 42 | 53 | 70 | 92 | 51 | 63 | 85 | 104 | 61 | 76 | 101 | 113 | 61 | 76 | 101 | 113 | 61 | 76 | - | 113 | | | | |
| 34 | - | - | - | - | 31 | 39 | 52 | 78 | 39 | 48 | 64 | 87 | 47 | 58 | 78 | 94 | 54 | 66 | 84 | 104 | 61 | 76 | 101 | 113 | 61 | 76 | - | 113 | | | | |
| 35 | - | - | - | - | 29 | 36 | 48 | 72 | 35 | 44 | 59 | 82 | 43 | 54 | 71 | 89 | 54 | 66 | 84 | 104 | 61 | 76 | 101 | 113 | 61 | 76 | - | 113 | | | | |
| 36 | - | - | - | - | 33 | 41 | 54 | 77 | 33 | 41 | 54 | 77 | 40 | 49 | 66 | 84 | 55 | 69 | 92 | 111 | 67 | 83 | 111 | 121 | 67 | 83 | - | 121 | | | | |
| 37 | - | - | - | - | 30 | 38 | 50 | 73 | 37 | 46 | 61 | 80 | 46 | 57 | 76 | 98 | 55 | 69 | 92 | 111 | 67 | 83 | 111 | 121 | 67 | 83 | - | 121 | | | | |
| 38 | - | - | - | - | 28 | 35 | 47 | 69 | 34 | 42 | 56 | 84 | 43 | 54 | 72 | 105 | 55 | 68 | 91 | 116 | 67 | 84 | 112 | 128 | 81 | 101 | 135 | 139 | | | | |
| 39 | - | - | - | - | 31 | 39 | 52 | 78 | 39 | 48 | 64 | 87 | 47 | 58 | 78 | 94 | 54 | 66 | 84 | 104 | 61 | 76 | 101 | 113 | 61 | 76 | - | 113 | | | | |
| 40 | - | - | - | - | 29 | 36 | 48 | 72 | 35 | 44 | 59 | 82 | 43 | 54 | 71 | 89 | 54 | 66 | 84 | 104 | 61 | 76 | 101 | 113 | 61 | 76 | - | 113 | | | | |
| 41 | - | - | - | - | 27 | 34 | 45 | 68 | 27 | 34 | 45 | 68 | 45 | 56 | 75 | 101 | 55 | 69 | 92 | 111 | 67 | 83 | 111 | 121 | 67 | 83 | - | 121 | | | | |
| 42 | - | - | - | - | 25 | 32 | 42 | 62 | 25 | 32 | 42 | 62 | 45 | 56 | 75 | 101 | 55 | 69 | 92 | 111 | 67 | 83 | 111 | 121 | 67 | 83 | - | 121 | | | | |

See notes on page 18

COMMERCIAL FLOOR LOADS: SIMPLE-SPAN JOIST—ALLOWABLE LOADS FOR PWI JOISTS (PLF)

| Joist Span (ft) | PWI 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|--|--|--|
| | 9½" | | | | 11½" | | | | 14" | | | | 16" | | | | 18" | | | | 20" | | | | 22" | | | | 24" | | | |
| | L/600 | L/480 | L/360 | TOTAL | L/600 | L/480 | L/360 | TOTAL | L/600 | L/480 | L/360 | TOTAL | L/600 | L/480 | L/360 | TOTAL | L/600 | L/480 | L/360 | TOTAL | L/600 | L/480 | L/360 | TOTAL | L/600 | L/480 | L/360 | TOTAL | | | | |
| 6 | - | - | - | 477 | - | - | - | 637 | - | - | - | 665 | - | - | - | 695 | - | - | - | 772 | - | - | - | 788 | - | - | - | 871 | | | | |
| 7 | - | - | - | 409 | - | - | - | 546 | - | - | - | 570 | - | - | - | 596 | - | - | - | 661 | - | - | - | 676 | - | - | - | 747 | | | | |
| 8 | - | - | - | 358 | - | - | - | 478 | - | - | - | 499 | - | - | - | 521 | - | - | - | 579 | - | - | - | 591 | - | - | - | 654 | | | | |
| 9 | - | - | - | 318 | - | - | - | 425 | - | - | - | 444 | - | - | - | 463 | - | - | - | 514 | - | - | - | 525 | - | - | - | 581 | | | | |
| 10 | 253 | - | - | 286 | - | - | - | 382 | - | - | - | 399 | - | - | - | 417 | - | - | - | 463 | - | - | - | 473 | - | - | - | 523 | | | | |
| 11 | 200 | 250 | - | 260 | 311 | - | - | 347 | - | - | - | 363 | - | - | - | 379 | - | - | - | 421 | - | - | - | 430 | - | - | - | 475 | | | | |
| 12 | 160 | 200 | - | 238 | 251 | 314 | - | 318 | - | - | - | 333 | - | - | - | 347 | - | - | - | 386 | - | - | - | 394 | - | - | - | 436 | | | | |
| 13 | 130 | 162 | 216 | 220 | 205 | 257 | - | 294 | 284 | - | - | 307 | - | - | - | 321 | - | - | - | 356 | - | - | - | 364 | - | - | - | 402 | | | | |
| 14 | 107 | 133 | 178 | 204 | 170 | 212 | - | 273 | 237 | - | - | 285 | - | - | - | 298 | - | - | - | 331 | - | - | - | 338 | - | - | - | 373 | | | | |
| 15 | 88 | 111 | 147 | 191 | 142 | 177 | 237 | 255 | 199 | 248 | - | 266 | 258 | - | - | 278 | - | - | - | 309 | - | - | - | 315 | - | - | - | 349 | | | | |
| 16 | 74 | 93 | 124 | 179 | 120 | 150 | 199 | 239 | 168 | 210 | - | 250 | 220 | - | - | 261 | 277 | - | - | 289 | - | - | - | 296 | - | - | - | 327 | | | | |
| 17 | - | - | - | - | 102 | 127 | 169 | 225 | 143 | 179 | - | 235 | 188 | 235 | - | 245 | 237 | - | - | 272 | - | - | - | 278 | - | - | - | 308 | | | | |
| 18 | - | - | - | - | 87 | 109 | 145 | 212 | 123 | 154 | 205 | 222 | 162 | 202 | - | 232 | 205 | 256 | - | 257 | 252 | - | - | 263 | - | - | - | 290 | | | | |
| 19 | - | - | - | - | 75 | 94 | 125 | 188 | 106 | 133 | 177 | 210 | 140 | 175 | - | 219 | 178 | 223 | - | 244 | 220 | - | - | 249 | 265 | - | - | 275 | | | | |
| 20 | - | - | - | - | 65 | 81 | 109 | 163 | 93 | 116 | 154 | 200 | 122 | 153 | 204 | 208 | 156 | 195 | - | 232 | 192 | - | - | 236 | 232 | - | - | 261 | | | | |
| 21 | - | - | - | - | 81 | 101 | 135 | 190 | 107 | 134 | 179 | 199 | 137 | 171 | - | 220 | 169 | 212 | - | 225 | 205 | - | - | 249 | 243 | - | - | 249 | | | | |
| 22 | - | - | - | - | 71 | 89 | 119 | 178 | 94 | 118 | 157 | 189 | 121 | 151 | 201 | 210 | 150 | 187 | - | 215 | 181 | 227 | - | 238 | 216 | - | - | 238 | | | | |
| 23 | - | - | - | - | 63 | 79 | 105 | 157 | 84 | 105 | 139 | 181 | 107 | 134 | 178 | 201 | 133 | 166 | - | 206 | 161 | 202 | - | 227 | 192 | - | - | 227 | | | | |
| 24 | - | - | - | - | 56 | 70 | 93 | 140 | 74 | 93 | 124 | 174 | 95 | 119 | 159 | 193 | 118 | 148 | - | 197 | 144 | 180 | - | 218 | 172 | 215 | - | 218 | | | | |
| 25 | - | - | - | - | 66 | 83 | 111 | 166 | 85 | 106 | 142 | 185 | 106 | 133 | 177 | 189 | 129 | 161 | - | 209 | | | | | | | | | | | | |