

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: HALO

Report Number: P600911

Luminaire Tested: HU30MSCTD36P

Issue Date: 4/18/2023

Test Information

Test Method: LM-79-2019
Report Number: P600911
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2212281G001)
Test Lab: INNOVATION CENTER
Issue Date: 4/18/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: HU30MSCTD36P
Description: HALO UNDERCAB COLOR TUNABLE 36" WHITE Version at 3000K
Light Source: -
Ballast/Driver: -

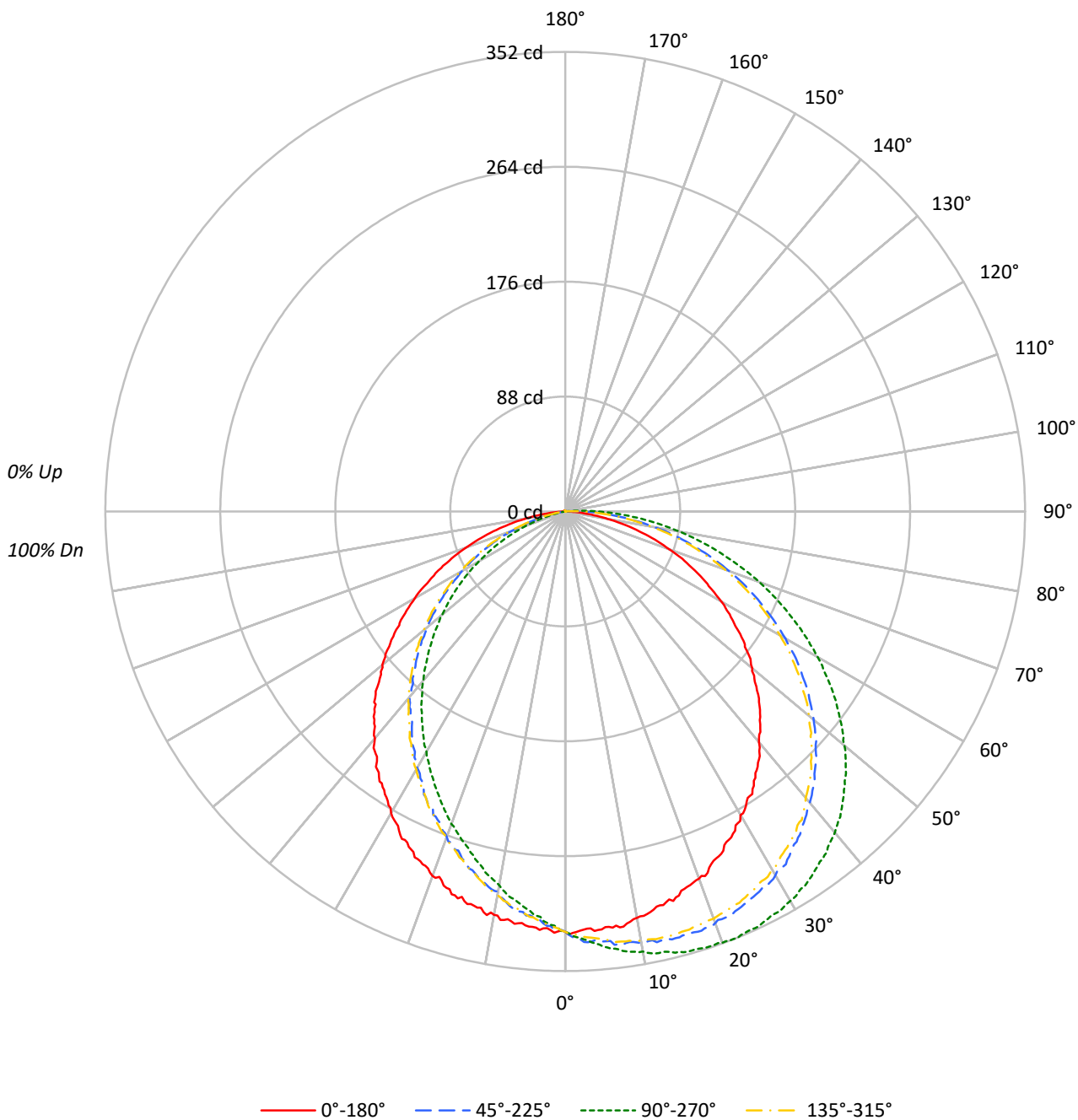
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 931.9 lumens
Efficiency: N/A
Efficacy: 74.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.29 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2.82' x L: 0.09' x H: 0.01')
CIE Type: Direct

Input Watts (W): 12.5
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: 24 FT

TEST NUMBER: P600911
CATALOG NUMBER: HU30MSCTD36P

Luminous Intensity Polar Plot





TEST NUMBER: P600911
 CATALOG NUMBER: HU30MSCTD36P

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 108 | 104 | 99 | 95 | 106 | 101 | 97 | 94 | 97 | 94 | 91 | 93 | 90 | 88 | 89 | 87 | 85 | 83 |
| 2 | 98 | 90 | 83 | 77 | 96 | 88 | 82 | 76 | 85 | 79 | 75 | 81 | 77 | 73 | 78 | 74 | 71 | 69 |
| 3 | 90 | 79 | 71 | 64 | 87 | 77 | 70 | 64 | 74 | 68 | 62 | 72 | 66 | 61 | 69 | 64 | 60 | 58 |
| 4 | 82 | 70 | 61 | 54 | 80 | 69 | 60 | 54 | 66 | 59 | 53 | 64 | 57 | 52 | 61 | 56 | 52 | 49 |
| 5 | 75 | 62 | 53 | 47 | 73 | 61 | 53 | 46 | 59 | 52 | 46 | 57 | 50 | 45 | 55 | 49 | 45 | 43 |
| 6 | 70 | 56 | 47 | 41 | 68 | 55 | 47 | 40 | 53 | 46 | 40 | 52 | 45 | 40 | 50 | 44 | 39 | 37 |
| 7 | 65 | 51 | 42 | 36 | 63 | 50 | 42 | 36 | 48 | 41 | 35 | 47 | 40 | 35 | 46 | 40 | 35 | 33 |
| 8 | 60 | 46 | 38 | 32 | 58 | 46 | 38 | 32 | 44 | 37 | 32 | 43 | 36 | 31 | 42 | 36 | 31 | 29 |
| 9 | 56 | 43 | 34 | 29 | 55 | 42 | 34 | 29 | 41 | 34 | 28 | 40 | 33 | 28 | 39 | 33 | 28 | 26 |
| 10 | 53 | 39 | 31 | 26 | 51 | 39 | 31 | 26 | 38 | 31 | 26 | 37 | 30 | 26 | 36 | 30 | 26 | 24 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 13648 | 13648 | 13648 | 13648 |
| 5° | 13547 | 14241 | 13454 | 13074 |
| 10° | 13351 | 14732 | 13250 | 12516 |
| 15° | 13115 | 15335 | 13030 | 11949 |
| 20° | 12979 | 15848 | 12888 | 11481 |
| 25° | 12751 | 16384 | 12613 | 10927 |
| 30° | 12356 | 16832 | 12269 | 10385 |
| 35° | 12096 | 17270 | 11932 | 9880 |
| 40° | 11688 | 17725 | 11476 | 9318 |
| 45° | 11357 | 18031 | 11158 | 8732 |
| 50° | 10890 | 18331 | 10645 | 8081 |
| 55° | 10440 | 18613 | 10070 | 7350 |
| 60° | 9823 | 18817 | 9446 | 6407 |
| 65° | 9044 | 19013 | 8680 | 5279 |
| 70° | 8066 | 19415 | 7676 | 3844 |
| 75° | 6822 | 19924 | 6313 | 2102 |
| 80° | 5019 | 21261 | 4480 | 311 |
| 85° | 2680 | 25721 | 2015 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 90°
 Luminance: 301390 cd/sqm



TEST NUMBER: P600911
 CATALOG NUMBER: HU30MSCTD36P

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 30.5 | 3.3 |
| 10°-20° | 87.3 | 9.4 |
| 20°-30° | 132.7 | 14.2 |
| 30°-40° | 160.3 | 17.2 |
| 40°-50° | 166.4 | 17.9 |
| 50°-60° | 150.3 | 16.1 |
| 60°-70° | 114.3 | 12.3 |
| 70°-80° | 65.7 | 7.1 |
| 80°-90° | 22.0 | 2.4 |
| 90°-100° | 1.8 | 0.2 |
| 100°-110° | 0.1 | 0.0 |
| 110°-120° | 0.1 | 0.0 |
| 120°-130° | 0.1 | 0.0 |
| 130°-140° | 0.1 | 0.0 |
| 140°-150° | 0.1 | 0.0 |
| 150°-160° | 0.1 | 0.0 |
| 160°-170° | 0.1 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 250.5 | 26.9 |
| 0°-40° | 410.8 | 44.1 |
| 0°-60° | 727.6 | 78.1 |
| 0°-90° | 929.6 | 99.7 |
| 90°-120° | 1.9 | 0.2 |
| 90°-150° | 2.2 | 0.2 |
| 90°-180° | 2.0 | 0.2 |
| 0°-180° | 931.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|-----|-----|------|------|------|------|
| 0° | 322 | 322 | 322 | 322 | 322 | |
| 5° | 321 | 335 | 319 | 307 | 321 | 31 |
| 15° | 308 | 350 | 306 | 272 | 308 | 87 |
| 25° | 287 | 351 | 284 | 234 | 287 | 132 |
| 35° | 252 | 334 | 248 | 191 | 252 | 158 |
| 45° | 210 | 302 | 207 | 146 | 210 | 162 |
| 55° | 164 | 253 | 158 | 100 | 164 | 146 |
| 65° | 112 | 191 | 107 | 53 | 112 | 110 |
| 75° | 59 | 123 | 54 | 13 | 59 | 62 |
| 85° | 12 | 55 | 9 | 0 | 12 | 15 |
| 90° | 1 | 25 | 0 | 0 | 1 | 1 |
| 95° | 0 | 4 | 0 | 0 | 0 | 0 |
| 105° | 0 | 0 | 0 | 0 | 0 | 0 |
| 115° | 0 | 0 | 0 | 0 | 0 | 0 |
| 125° | 0 | 0 | 0 | 0 | 0 | 0 |
| 135° | 0 | 0 | 0 | 0 | 0 | 0 |
| 145° | 0 | 0 | 1 | 0 | 0 | 0 |
| 155° | 0 | 0 | 1 | 0 | 0 | 0 |
| 165° | 0 | 0 | 1 | 0 | 0 | 0 |
| 175° | 0 | 0 | 1 | 0 | 0 | 0 |
| 180° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P600911
 CATALOG NUMBER: HU30MSCTD36P

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| 0° | 321.8 | 321.8 | 321.8 | 321.8 | 321.8 | 321.8 | 321.8 | 321.8 | 321.8 | 321.8 | 321.8 |
| 0.5° | 324.2 | 321.7 | 324.3 | 325.2 | 323.1 | 322.6 | 323.4 | 321.6 | 321.0 | 320.9 | 320.6 |
| 1° | 323.0 | 320.8 | 326.0 | 326.6 | 325.0 | 324.8 | 323.9 | 321.6 | 321.7 | 320.3 | 320.4 |
| 1.5° | 322.3 | 319.3 | 326.1 | 326.6 | 326.1 | 325.5 | 324.4 | 321.2 | 322.7 | 319.1 | 320.4 |
| 2° | 321.4 | 322.3 | 327.7 | 328.0 | 326.8 | 326.9 | 325.1 | 322.3 | 321.0 | 316.7 | 317.8 |
| 2.5° | 320.6 | 322.9 | 330.0 | 331.1 | 328.1 | 327.1 | 326.1 | 322.5 | 319.5 | 317.8 | 317.6 |
| 3° | 320.0 | 322.6 | 330.5 | 331.4 | 329.1 | 328.6 | 326.7 | 322.5 | 319.8 | 318.1 | 316.1 |
| 3.5° | 319.9 | 322.8 | 329.9 | 331.8 | 330.6 | 329.2 | 327.0 | 324.3 | 321.1 | 315.6 | 313.7 |
| 4° | 322.0 | 323.8 | 329.1 | 331.4 | 331.7 | 330.9 | 327.6 | 323.2 | 319.5 | 315.1 | 313.1 |
| 4.5° | 321.5 | 323.3 | 330.2 | 332.2 | 332.8 | 331.4 | 328.3 | 323.5 | 319.1 | 314.3 | 311.4 |
| 5° | 321.3 | 323.7 | 330.6 | 336.3 | 334.6 | 331.8 | 329.1 | 323.4 | 319.1 | 314.1 | 310.6 |
| 5.5° | 319.8 | 324.6 | 330.6 | 336.4 | 335.4 | 333.4 | 329.6 | 322.9 | 318.4 | 313.2 | 311.0 |
| 6° | 319.9 | 325.6 | 330.7 | 337.4 | 336.7 | 334.7 | 330.8 | 325.2 | 317.0 | 314.7 | 308.5 |
| 6.5° | 320.8 | 325.8 | 334.1 | 337.5 | 337.1 | 335.1 | 332.0 | 323.9 | 317.4 | 312.0 | 308.4 |
| 7° | 319.5 | 324.5 | 334.0 | 337.1 | 337.9 | 336.1 | 332.0 | 324.5 | 318.2 | 310.3 | 308.7 |
| 7.5° | 321.4 | 324.8 | 335.0 | 338.7 | 339.5 | 337.3 | 332.2 | 324.4 | 316.6 | 308.3 | 306.6 |
| 8° | 321.1 | 323.6 | 333.7 | 339.0 | 340.3 | 337.5 | 332.5 | 324.4 | 315.4 | 307.3 | 305.1 |
| 8.5° | 319.1 | 322.6 | 333.5 | 340.2 | 340.9 | 337.5 | 332.5 | 324.6 | 316.3 | 306.7 | 303.0 |
| 9° | 318.2 | 323.3 | 333.8 | 340.9 | 341.4 | 338.4 | 333.3 | 324.1 | 316.7 | 305.3 | 300.9 |
| 9.5° | 316.7 | 325.8 | 334.8 | 343.7 | 342.3 | 339.2 | 333.5 | 323.5 | 313.9 | 304.4 | 299.3 |
| 10° | 316.1 | 325.0 | 335.9 | 344.7 | 342.3 | 341.1 | 333.9 | 323.5 | 313.7 | 304.3 | 295.7 |
| 10.5° | 315.3 | 324.2 | 335.7 | 344.2 | 343.7 | 341.5 | 334.3 | 323.1 | 312.4 | 301.8 | 295.7 |
| 11° | 315.5 | 323.0 | 335.1 | 345.1 | 344.8 | 341.7 | 333.9 | 322.9 | 314.9 | 301.1 | 294.9 |
| 11.5° | 314.7 | 324.1 | 335.2 | 345.2 | 345.5 | 342.7 | 334.3 | 323.2 | 313.3 | 300.7 | 293.7 |
| 12° | 313.6 | 323.5 | 337.3 | 344.8 | 345.7 | 342.6 | 335.0 | 323.2 | 310.2 | 299.8 | 291.9 |
| 12.5° | 312.4 | 324.0 | 336.7 | 345.1 | 345.5 | 342.9 | 334.7 | 322.8 | 310.9 | 297.3 | 290.5 |
| 13° | 310.7 | 322.8 | 336.9 | 346.5 | 346.0 | 343.6 | 334.6 | 322.7 | 310.0 | 295.8 | 289.2 |
| 13.5° | 310.3 | 323.1 | 336.8 | 346.2 | 346.9 | 344.2 | 334.8 | 322.0 | 309.2 | 295.7 | 287.6 |
| 14° | 310.7 | 323.1 | 337.9 | 346.4 | 348.3 | 344.9 | 334.7 | 322.0 | 309.8 | 294.1 | 285.7 |
| 14.5° | 308.9 | 322.4 | 337.5 | 347.9 | 348.4 | 345.1 | 334.3 | 321.9 | 308.3 | 292.7 | 283.8 |
| 15° | 307.6 | 322.3 | 337.8 | 348.7 | 349.6 | 345.1 | 334.5 | 321.3 | 305.6 | 291.0 | 283.3 |
| 15.5° | 309.5 | 322.4 | 336.8 | 349.2 | 350.0 | 345.4 | 334.0 | 320.6 | 307.5 | 289.9 | 281.2 |
| 16° | 307.4 | 321.6 | 337.3 | 349.6 | 349.9 | 346.4 | 334.0 | 319.2 | 305.9 | 289.4 | 278.3 |
| 16.5° | 306.8 | 320.4 | 337.0 | 350.8 | 349.8 | 346.4 | 334.0 | 319.1 | 305.9 | 287.1 | 277.6 |
| 17° | 303.7 | 319.9 | 337.1 | 350.3 | 350.2 | 346.2 | 333.3 | 317.9 | 302.5 | 286.3 | 274.7 |
| 17.5° | 303.2 | 320.2 | 337.6 | 350.4 | 350.6 | 346.2 | 332.8 | 317.8 | 302.3 | 284.4 | 272.3 |
| 18° | 302.3 | 319.0 | 337.6 | 350.6 | 351.0 | 346.3 | 332.8 | 317.6 | 301.2 | 283.6 | 272.6 |
| 18.5° | 301.7 | 318.9 | 336.6 | 349.6 | 351.1 | 346.1 | 332.3 | 315.9 | 298.1 | 282.5 | 270.4 |
| 19° | 300.7 | 319.4 | 337.0 | 347.5 | 351.0 | 346.0 | 331.9 | 315.6 | 296.1 | 281.1 | 268.2 |
| 19.5° | 299.9 | 318.5 | 336.8 | 348.7 | 350.7 | 346.3 | 331.9 | 315.6 | 297.7 | 279.5 | 268.1 |
| 20° | 299.2 | 316.6 | 335.6 | 348.7 | 351.6 | 346.8 | 331.9 | 314.4 | 297.1 | 277.7 | 265.3 |
| 20.5° | 298.0 | 315.9 | 334.1 | 350.3 | 351.5 | 346.2 | 331.3 | 313.0 | 295.4 | 276.4 | 263.0 |
| 21° | 299.1 | 315.8 | 334.4 | 351.6 | 351.9 | 345.9 | 330.4 | 311.7 | 292.9 | 273.4 | 261.9 |
| 21.5° | 297.5 | 315.2 | 334.4 | 350.0 | 351.8 | 345.9 | 330.2 | 311.7 | 291.7 | 272.7 | 258.7 |
| 22° | 294.2 | 314.1 | 334.5 | 350.8 | 352.3 | 345.9 | 329.8 | 310.4 | 291.5 | 271.3 | 256.7 |



TEST NUMBER: P600911
 CATALOG NUMBER: HU30MSCTD36P

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| 22.5° | 292.2 | 312.2 | 334.0 | 351.0 | 351.2 | 345.7 | 329.0 | 308.8 | 289.9 | 269.4 | 255.6 |
| 23° | 290.7 | 312.2 | 332.7 | 350.9 | 351.0 | 345.7 | 328.8 | 308.1 | 289.2 | 266.9 | 253.9 |
| 23.5° | 289.7 | 311.1 | 332.1 | 350.0 | 350.5 | 345.6 | 328.1 | 307.2 | 288.8 | 265.7 | 253.4 |
| 24° | 289.1 | 310.2 | 331.5 | 348.8 | 350.4 | 345.3 | 328.0 | 306.4 | 285.5 | 264.0 | 249.1 |
| 24.5° | 288.1 | 308.6 | 330.5 | 348.8 | 350.7 | 345.0 | 326.7 | 304.2 | 284.4 | 262.3 | 248.0 |
| 25° | 286.6 | 307.9 | 330.4 | 348.8 | 350.7 | 345.0 | 326.2 | 303.6 | 283.5 | 260.4 | 248.2 |
| 25.5° | 283.1 | 307.0 | 329.1 | 346.7 | 349.6 | 344.1 | 325.0 | 303.1 | 281.0 | 258.6 | 245.7 |
| 26° | 281.7 | 305.2 | 328.5 | 346.5 | 348.9 | 343.9 | 324.7 | 301.8 | 280.0 | 255.6 | 243.5 |
| 26.5° | 280.8 | 304.0 | 327.6 | 347.1 | 348.5 | 342.8 | 323.7 | 299.7 | 280.2 | 254.9 | 242.2 |
| 27° | 280.2 | 302.8 | 327.0 | 346.0 | 347.3 | 341.6 | 322.6 | 299.6 | 278.2 | 252.8 | 238.7 |
| 27.5° | 278.2 | 301.7 | 325.8 | 345.3 | 347.3 | 340.9 | 321.3 | 297.7 | 275.6 | 251.2 | 235.8 |
| 28° | 277.0 | 300.2 | 324.3 | 344.4 | 347.4 | 340.2 | 320.6 | 296.6 | 272.7 | 249.0 | 233.7 |
| 28.5° | 273.6 | 299.8 | 325.2 | 344.0 | 346.9 | 339.3 | 320.5 | 295.9 | 271.4 | 247.8 | 232.6 |
| 29° | 272.9 | 296.9 | 324.2 | 343.8 | 345.9 | 339.6 | 319.9 | 294.2 | 270.2 | 245.8 | 229.5 |
| 29.5° | 272.3 | 295.6 | 323.4 | 341.2 | 345.1 | 338.3 | 318.2 | 293.3 | 268.7 | 243.5 | 227.9 |
| 30° | 268.5 | 295.3 | 321.8 | 341.6 | 344.4 | 338.0 | 316.8 | 292.0 | 266.6 | 242.1 | 226.7 |
| 30.5° | 268.2 | 293.2 | 319.8 | 340.8 | 344.0 | 337.6 | 316.3 | 289.7 | 263.4 | 241.1 | 225.7 |
| 31° | 266.7 | 292.3 | 318.7 | 340.8 | 343.4 | 336.4 | 315.0 | 287.2 | 262.5 | 238.0 | 222.2 |
| 31.5° | 264.7 | 290.5 | 319.1 | 340.4 | 341.9 | 335.4 | 313.2 | 285.3 | 260.0 | 236.5 | 220.8 |
| 32° | 262.2 | 289.7 | 318.7 | 339.3 | 340.6 | 333.9 | 311.5 | 285.0 | 258.2 | 234.4 | 216.9 |
| 32.5° | 260.1 | 287.4 | 316.3 | 337.0 | 340.6 | 332.3 | 310.4 | 283.4 | 256.8 | 232.9 | 215.5 |
| 33° | 259.7 | 285.9 | 315.0 | 335.8 | 339.5 | 331.9 | 309.2 | 281.5 | 254.4 | 230.4 | 214.1 |
| 33.5° | 259.5 | 284.2 | 313.0 | 334.6 | 338.2 | 331.1 | 308.2 | 280.1 | 253.3 | 228.9 | 212.6 |
| 34° | 256.4 | 282.1 | 310.8 | 332.5 | 337.2 | 329.6 | 306.2 | 278.2 | 251.1 | 227.0 | 209.7 |
| 34.5° | 255.0 | 281.2 | 309.3 | 332.2 | 335.6 | 327.8 | 305.2 | 276.3 | 250.9 | 224.8 | 207.1 |
| 35° | 251.8 | 278.4 | 308.9 | 330.5 | 334.4 | 326.5 | 304.3 | 273.6 | 248.4 | 223.2 | 204.5 |
| 35.5° | 250.6 | 275.6 | 306.8 | 330.0 | 333.3 | 325.1 | 303.7 | 271.9 | 245.7 | 220.3 | 202.1 |
| 36° | 247.6 | 274.3 | 305.9 | 329.0 | 331.7 | 323.8 | 301.0 | 270.3 | 244.6 | 218.5 | 199.2 |
| 36.5° | 246.5 | 273.5 | 303.7 | 327.2 | 331.3 | 322.8 | 299.0 | 269.1 | 243.4 | 216.0 | 197.7 |
| 37° | 244.8 | 272.2 | 301.5 | 325.4 | 329.8 | 320.4 | 297.9 | 267.6 | 239.5 | 214.0 | 196.9 |
| 37.5° | 242.5 | 270.0 | 300.2 | 323.9 | 329.1 | 319.7 | 297.7 | 265.7 | 236.7 | 211.9 | 194.5 |
| 38° | 240.9 | 267.2 | 298.3 | 322.6 | 326.5 | 318.1 | 295.1 | 264.0 | 235.6 | 209.8 | 192.4 |
| 38.5° | 239.3 | 265.4 | 296.8 | 321.3 | 325.0 | 315.3 | 293.2 | 261.7 | 234.2 | 208.0 | 191.6 |
| 39° | 236.1 | 264.1 | 294.3 | 318.8 | 323.7 | 314.8 | 291.2 | 260.1 | 233.1 | 205.6 | 188.6 |
| 39.5° | 234.2 | 261.4 | 292.6 | 317.5 | 322.4 | 313.6 | 289.1 | 258.4 | 229.6 | 203.6 | 187.2 |
| 40° | 230.8 | 260.1 | 291.3 | 315.5 | 321.1 | 311.4 | 286.5 | 256.0 | 226.6 | 201.2 | 184.0 |
| 40.5° | 228.4 | 258.9 | 289.6 | 314.5 | 319.2 | 309.8 | 284.8 | 253.7 | 225.5 | 198.8 | 181.5 |
| 41° | 226.5 | 256.7 | 287.7 | 312.0 | 317.6 | 308.3 | 282.9 | 252.8 | 222.9 | 196.7 | 179.3 |
| 41.5° | 225.5 | 254.0 | 285.6 | 309.9 | 315.7 | 307.1 | 281.0 | 251.0 | 219.8 | 194.6 | 175.8 |
| 42° | 223.3 | 251.9 | 283.8 | 308.9 | 314.7 | 304.2 | 279.3 | 248.4 | 218.5 | 192.5 | 174.5 |
| 42.5° | 221.1 | 250.0 | 282.0 | 306.4 | 312.3 | 303.3 | 277.6 | 246.1 | 216.3 | 190.0 | 172.8 |
| 43° | 218.5 | 247.6 | 279.9 | 304.8 | 310.4 | 300.2 | 275.1 | 244.0 | 214.9 | 188.0 | 169.0 |
| 43.5° | 216.9 | 245.7 | 277.0 | 302.4 | 308.2 | 299.2 | 273.6 | 241.6 | 212.0 | 185.8 | 167.8 |
| 44° | 214.8 | 242.9 | 275.2 | 301.3 | 306.2 | 297.6 | 271.1 | 240.0 | 210.3 | 184.3 | 165.0 |
| 44.5° | 212.8 | 241.4 | 273.2 | 298.9 | 304.5 | 294.5 | 268.2 | 237.6 | 207.0 | 181.3 | 163.2 |



TEST NUMBER: P600911
 CATALOG NUMBER: HU30MSCTD36P

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| 45° | 210.4 | 239.4 | 271.4 | 296.1 | 301.7 | 292.5 | 266.8 | 234.8 | 206.7 | 179.3 | 161.2 |
| 45.5° | 208.1 | 237.3 | 269.8 | 294.4 | 300.2 | 290.8 | 263.8 | 232.6 | 203.9 | 176.7 | 158.8 |
| 46° | 206.1 | 235.3 | 266.9 | 292.2 | 297.5 | 288.9 | 261.6 | 230.9 | 201.6 | 174.6 | 156.7 |
| 46.5° | 203.8 | 233.0 | 264.2 | 289.6 | 295.7 | 286.5 | 260.1 | 228.7 | 200.1 | 173.1 | 154.0 |
| 47° | 200.8 | 230.9 | 262.2 | 287.6 | 293.9 | 284.2 | 257.5 | 226.0 | 196.6 | 170.2 | 151.9 |
| 47.5° | 198.5 | 228.6 | 260.5 | 285.3 | 291.3 | 281.9 | 254.7 | 223.8 | 193.3 | 168.7 | 149.4 |
| 48° | 195.3 | 226.0 | 258.1 | 283.1 | 289.0 | 279.9 | 253.5 | 221.6 | 191.0 | 166.3 | 148.0 |
| 48.5° | 193.4 | 223.3 | 255.6 | 280.8 | 286.8 | 277.1 | 250.5 | 219.5 | 188.3 | 163.6 | 144.1 |
| 49° | 191.6 | 220.9 | 253.2 | 278.1 | 284.3 | 274.9 | 247.8 | 216.8 | 187.0 | 161.5 | 142.3 |
| 49.5° | 188.0 | 218.7 | 250.5 | 275.9 | 282.2 | 273.0 | 245.7 | 214.4 | 183.8 | 159.4 | 140.0 |
| 50° | 186.9 | 215.8 | 248.2 | 273.4 | 279.0 | 270.4 | 243.7 | 212.1 | 182.7 | 157.1 | 138.3 |
| 50.5° | 184.3 | 213.9 | 245.9 | 270.6 | 275.8 | 267.1 | 241.0 | 209.0 | 180.0 | 154.7 | 135.8 |
| 51° | 182.8 | 211.1 | 243.2 | 268.7 | 274.3 | 265.9 | 238.7 | 207.0 | 177.3 | 151.8 | 133.3 |
| 51.5° | 181.3 | 208.8 | 240.7 | 265.5 | 271.4 | 263.2 | 236.7 | 204.5 | 175.8 | 149.7 | 131.0 |
| 52° | 178.2 | 206.0 | 238.1 | 262.3 | 268.9 | 260.4 | 233.8 | 202.0 | 173.1 | 147.4 | 128.7 |
| 52.5° | 175.4 | 203.8 | 235.6 | 260.1 | 266.1 | 258.1 | 231.1 | 198.9 | 169.8 | 145.1 | 125.7 |
| 53° | 172.3 | 201.4 | 233.4 | 257.3 | 263.2 | 255.6 | 228.1 | 197.3 | 167.6 | 142.5 | 123.5 |
| 53.5° | 171.0 | 198.2 | 230.6 | 254.7 | 260.7 | 252.5 | 225.8 | 195.1 | 165.6 | 140.8 | 121.7 |
| 54° | 168.8 | 195.9 | 228.2 | 253.1 | 258.0 | 249.7 | 222.9 | 192.4 | 162.6 | 138.4 | 119.4 |
| 54.5° | 165.8 | 193.6 | 225.3 | 250.0 | 255.3 | 246.3 | 220.5 | 189.4 | 160.6 | 136.1 | 116.9 |
| 55° | 163.6 | 191.4 | 222.4 | 246.7 | 253.0 | 243.8 | 218.2 | 187.0 | 157.8 | 133.3 | 114.4 |
| 55.5° | 160.5 | 189.0 | 219.7 | 243.8 | 249.9 | 241.4 | 215.2 | 184.4 | 154.1 | 130.7 | 112.3 |
| 56° | 157.1 | 185.7 | 217.5 | 241.1 | 247.2 | 238.5 | 212.6 | 181.8 | 153.0 | 128.1 | 109.5 |
| 56.5° | 155.0 | 183.4 | 214.7 | 238.3 | 244.3 | 235.3 | 209.9 | 178.3 | 150.9 | 125.5 | 107.4 |
| 57° | 153.1 | 180.9 | 212.0 | 235.4 | 241.0 | 232.3 | 206.6 | 176.0 | 148.2 | 123.2 | 104.8 |
| 57.5° | 150.2 | 177.8 | 209.5 | 232.5 | 238.1 | 229.9 | 204.7 | 173.7 | 145.2 | 121.0 | 102.5 |
| 58° | 148.5 | 175.5 | 206.3 | 230.2 | 235.0 | 226.6 | 202.0 | 171.3 | 143.3 | 118.9 | 100.1 |
| 58.5° | 145.2 | 172.7 | 202.9 | 227.7 | 231.8 | 223.9 | 198.9 | 168.5 | 140.5 | 116.1 | 97.4 |
| 59° | 143.1 | 170.3 | 200.1 | 224.2 | 229.6 | 220.9 | 196.0 | 165.8 | 138.1 | 113.8 | 95.3 |
| 59.5° | 141.2 | 167.5 | 197.0 | 221.3 | 226.3 | 217.7 | 192.7 | 163.5 | 135.1 | 111.3 | 93.3 |
| 60° | 138.1 | 164.9 | 194.6 | 218.7 | 223.2 | 214.3 | 190.0 | 160.4 | 132.8 | 108.4 | 90.9 |
| 60.5° | 134.9 | 162.2 | 191.5 | 215.2 | 219.8 | 211.9 | 187.0 | 157.4 | 130.9 | 106.0 | 88.1 |
| 61° | 132.1 | 159.5 | 188.7 | 212.3 | 217.1 | 208.4 | 184.6 | 154.4 | 128.4 | 103.7 | 86.1 |
| 61.5° | 129.9 | 156.8 | 186.0 | 209.2 | 213.2 | 204.9 | 181.5 | 151.9 | 125.3 | 101.1 | 83.6 |
| 62° | 126.9 | 153.9 | 182.7 | 206.2 | 211.1 | 202.0 | 178.5 | 148.9 | 122.4 | 99.0 | 81.3 |
| 62.5° | 123.8 | 151.4 | 179.9 | 202.6 | 207.2 | 198.9 | 175.9 | 146.4 | 119.0 | 96.3 | 79.1 |
| 63° | 122.1 | 148.8 | 176.6 | 199.4 | 203.9 | 195.9 | 172.9 | 144.0 | 116.7 | 93.6 | 76.3 |
| 63.5° | 119.6 | 145.9 | 173.5 | 196.4 | 201.2 | 193.1 | 169.9 | 141.0 | 114.8 | 91.5 | 74.4 |
| 64° | 116.9 | 143.3 | 170.6 | 192.9 | 197.5 | 189.8 | 166.8 | 137.7 | 111.9 | 89.2 | 71.8 |
| 64.5° | 114.8 | 140.9 | 167.7 | 189.3 | 194.3 | 185.9 | 164.0 | 135.2 | 110.0 | 86.5 | 69.1 |
| 65° | 111.6 | 137.9 | 164.6 | 185.9 | 190.9 | 183.1 | 161.0 | 132.6 | 107.1 | 83.6 | 66.7 |
| 65.5° | 109.1 | 134.5 | 162.0 | 182.6 | 187.9 | 180.1 | 157.7 | 129.6 | 104.2 | 81.3 | 64.4 |
| 66° | 106.3 | 131.6 | 158.5 | 179.3 | 184.7 | 176.8 | 154.4 | 126.5 | 102.4 | 78.9 | 62.1 |
| 66.5° | 103.6 | 128.9 | 155.3 | 175.9 | 181.2 | 173.8 | 151.7 | 124.0 | 98.6 | 76.5 | 60.3 |
| 67° | 101.3 | 126.0 | 152.5 | 172.6 | 178.1 | 170.3 | 148.6 | 121.6 | 96.4 | 73.9 | 57.7 |



TEST NUMBER: P600911
 CATALOG NUMBER: HU30MSCTD36P

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|-------|------|-------|-------|-------|-------|--------|-------|--------|------|--------|------|
| 67.5° | 98.7 | 123.4 | 149.4 | 168.8 | 175.0 | 166.7 | 145.4 | 118.6 | 94.1 | 71.4 | 55.3 |
| 68° | 96.6 | 120.2 | 146.4 | 165.5 | 171.4 | 163.4 | 142.3 | 115.7 | 91.4 | 69.2 | 52.8 |
| 68.5° | 93.3 | 117.6 | 143.1 | 161.9 | 168.3 | 159.9 | 139.2 | 112.9 | 88.6 | 66.7 | 50.5 |
| 69° | 90.6 | 114.4 | 139.9 | 158.5 | 164.6 | 157.2 | 136.3 | 109.7 | 86.4 | 64.3 | 48.1 |
| 69.5° | 87.8 | 111.6 | 136.4 | 154.7 | 161.5 | 153.6 | 133.3 | 106.9 | 83.9 | 61.5 | 46.0 |
| 70° | 84.9 | 108.6 | 133.3 | 151.5 | 158.1 | 150.4 | 130.0 | 104.0 | 80.8 | 59.5 | 43.3 |
| 70.5° | 82.2 | 105.7 | 130.1 | 148.0 | 154.8 | 146.7 | 126.7 | 101.3 | 78.0 | 56.8 | 41.1 |
| 71° | 79.8 | 103.3 | 127.3 | 144.5 | 151.2 | 143.2 | 123.7 | 98.3 | 75.4 | 54.5 | 39.0 |
| 71.5° | 77.4 | 100.2 | 123.9 | 141.3 | 147.9 | 140.3 | 120.6 | 95.3 | 72.7 | 51.9 | 36.8 |
| 72° | 74.9 | 97.2 | 120.9 | 137.9 | 144.3 | 136.9 | 117.3 | 92.8 | 70.1 | 49.4 | 34.4 |
| 72.5° | 72.2 | 94.3 | 117.7 | 134.2 | 140.5 | 133.1 | 114.2 | 89.6 | 67.7 | 47.0 | 32.2 |
| 73° | 69.3 | 91.1 | 114.5 | 131.0 | 137.0 | 129.8 | 111.1 | 86.9 | 65.0 | 44.9 | 30.1 |
| 73.5° | 66.7 | 88.5 | 111.4 | 127.5 | 133.6 | 126.1 | 107.7 | 84.2 | 62.5 | 42.2 | 28.0 |
| 74° | 64.2 | 85.5 | 108.0 | 124.2 | 129.9 | 123.0 | 104.9 | 81.3 | 59.7 | 39.8 | 25.8 |
| 74.5° | 61.5 | 82.7 | 104.8 | 120.9 | 126.5 | 119.5 | 101.6 | 78.4 | 57.0 | 37.7 | 24.1 |
| 75° | 58.9 | 79.8 | 101.6 | 117.4 | 123.2 | 115.8 | 98.8 | 75.2 | 54.5 | 35.3 | 22.2 |
| 75.5° | 56.1 | 76.7 | 98.7 | 113.8 | 119.9 | 112.6 | 95.5 | 72.5 | 52.1 | 33.2 | 20.1 |
| 76° | 53.6 | 73.7 | 95.4 | 110.6 | 116.4 | 109.5 | 92.5 | 69.7 | 49.6 | 30.9 | 18.3 |
| 76.5° | 50.9 | 71.0 | 92.4 | 107.4 | 112.9 | 106.1 | 89.3 | 67.1 | 46.8 | 28.7 | 16.5 |
| 77° | 48.4 | 68.3 | 89.4 | 104.2 | 109.3 | 102.8 | 86.2 | 64.1 | 44.4 | 26.4 | 14.7 |
| 77.5° | 45.8 | 65.3 | 86.2 | 100.8 | 106.0 | 99.2 | 82.7 | 61.4 | 41.7 | 24.6 | 13.0 |
| 78° | 43.5 | 62.4 | 83.2 | 97.5 | 102.7 | 96.0 | 79.7 | 58.5 | 39.2 | 22.4 | 11.4 |
| 78.5° | 41.1 | 59.9 | 80.0 | 94.2 | 99.5 | 92.8 | 76.2 | 55.8 | 37.0 | 20.5 | 9.9 |
| 79° | 38.4 | 57.0 | 76.7 | 91.1 | 95.6 | 89.3 | 73.5 | 53.0 | 34.6 | 18.5 | 8.3 |
| 79.5° | 35.9 | 54.3 | 73.4 | 87.5 | 92.2 | 85.8 | 70.0 | 50.2 | 32.1 | 16.5 | 6.9 |
| 80° | 33.5 | 51.3 | 69.9 | 83.9 | 88.8 | 82.3 | 67.1 | 47.5 | 29.9 | 14.6 | 5.7 |
| 80.5° | 31.3 | 48.5 | 66.7 | 80.5 | 85.3 | 79.0 | 64.1 | 44.9 | 27.5 | 12.9 | 4.6 |
| 81° | 29.1 | 45.9 | 63.6 | 77.1 | 81.9 | 75.7 | 60.9 | 42.2 | 25.3 | 11.1 | 3.6 |
| 81.5° | 26.7 | 43.2 | 60.4 | 73.8 | 78.5 | 72.4 | 58.0 | 39.6 | 23.1 | 9.4 | 2.7 |
| 82° | 24.6 | 40.6 | 57.1 | 70.4 | 75.1 | 69.3 | 54.9 | 36.9 | 20.9 | 7.9 | 1.8 |
| 82.5° | 22.3 | 37.8 | 53.9 | 67.1 | 71.5 | 65.8 | 51.8 | 34.2 | 18.9 | 6.6 | 1.0 |
| 83° | 20.2 | 35.2 | 50.9 | 64.1 | 68.2 | 62.8 | 48.8 | 32.0 | 16.8 | 5.3 | 0.1 |
| 83.5° | 18.0 | 32.7 | 47.9 | 60.9 | 65.1 | 59.4 | 45.8 | 29.4 | 14.9 | 4.1 | 0.0 |
| 84° | 16.2 | 30.1 | 45.2 | 57.5 | 61.6 | 56.1 | 42.7 | 26.9 | 13.0 | 3.1 | 0.0 |
| 84.5° | 14.3 | 27.7 | 42.3 | 54.2 | 58.4 | 53.2 | 40.1 | 24.7 | 11.2 | 2.0 | 0.0 |
| 85° | 12.5 | 25.4 | 39.6 | 51.1 | 55.0 | 49.9 | 37.3 | 22.3 | 9.4 | 1.3 | 0.0 |
| 85.5° | 10.7 | 23.2 | 36.9 | 47.8 | 51.7 | 46.9 | 34.6 | 20.1 | 7.8 | 0.6 | 0.0 |
| 86° | 9.0 | 20.9 | 34.4 | 44.8 | 48.8 | 43.6 | 31.7 | 17.9 | 6.3 | 0.0 | 0.0 |
| 86.5° | 7.3 | 18.7 | 31.6 | 41.7 | 45.5 | 40.7 | 29.0 | 15.8 | 4.9 | 0.0 | 0.0 |
| 87° | 6.2 | 16.3 | 28.9 | 38.7 | 42.5 | 37.7 | 26.5 | 13.8 | 3.6 | 0.0 | 0.0 |
| 87.5° | 4.7 | 14.3 | 26.4 | 35.6 | 39.5 | 34.9 | 24.2 | 11.8 | 2.4 | 0.0 | 0.0 |
| 88° | 3.5 | 12.5 | 23.9 | 32.8 | 36.4 | 32.1 | 21.7 | 10.1 | 1.5 | 0.0 | 0.0 |
| 88.5° | 2.5 | 10.7 | 21.4 | 30.0 | 33.4 | 29.2 | 19.2 | 8.3 | 0.8 | 0.0 | 0.0 |
| 89° | 1.7 | 9.0 | 19.2 | 27.3 | 30.6 | 26.3 | 17.1 | 6.6 | 0.1 | 0.0 | 0.0 |
| 89.5° | 1.0 | 7.5 | 16.8 | 24.7 | 27.6 | 24.0 | 14.9 | 5.5 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P600911
 CATALOG NUMBER: HU30MSCTD36P

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|--------|-----|-------|------|-------|------|--------|------|--------|------|--------|------|
| 90° | 0.6 | 6.1 | 14.8 | 22.3 | 25.2 | 21.4 | 12.8 | 3.9 | 0.0 | 0.0 | 0.0 |
| 90.5° | 0.1 | 4.7 | 12.7 | 19.8 | 22.6 | 18.9 | 10.9 | 2.8 | 0.0 | 0.0 | 0.0 |
| 91° | 0.0 | 3.6 | 10.8 | 17.3 | 20.1 | 16.6 | 9.0 | 1.7 | 0.0 | 0.0 | 0.0 |
| 91.5° | 0.0 | 2.6 | 8.9 | 15.0 | 17.6 | 14.4 | 7.3 | 1.0 | 0.0 | 0.0 | 0.0 |
| 92° | 0.0 | 1.8 | 7.4 | 13.0 | 15.2 | 12.2 | 5.7 | 0.3 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 1.0 | 6.0 | 10.9 | 13.1 | 10.2 | 4.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 93° | 0.0 | 0.2 | 4.6 | 9.1 | 11.0 | 8.3 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 93.5° | 0.0 | 0.1 | 3.3 | 7.4 | 9.0 | 6.6 | 1.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 94° | 0.0 | 0.0 | 2.2 | 5.9 | 7.2 | 5.2 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 94.5° | 0.0 | 0.0 | 1.0 | 4.3 | 5.6 | 3.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.4 | 2.9 | 4.1 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| 95.5° | 0.0 | 0.0 | 0.2 | 1.5 | 2.6 | 0.8 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 |
| 96° | 0.0 | 0.0 | 0.0 | 0.7 | 1.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 |
| 96.5° | 0.0 | 0.0 | 0.0 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 |
| 97° | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.1 |
| 98° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.1 |
| 98.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 |
| 99° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 |
| 99.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 |
| 100.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 |
| 101° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.1 |
| 101.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.2 |
| 102° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.2 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.2 |
| 103° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.2 |
| 103.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.2 |
| 104° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.2 |
| 104.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.2 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.1 | 0.2 |
| 105.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.2 | 0.1 | 0.2 |
| 106° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.1 | 0.2 |
| 106.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.2 |
| 107° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.2 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.2 |
| 108° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.2 |
| 108.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.1 | 0.2 |
| 109° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.1 | 0.2 |
| 109.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.1 | 0.2 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.1 | 0.2 |
| 110.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.1 | 0.2 |
| 111° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.3 | 0.1 | 0.2 |
| 111.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.3 | 0.1 | 0.2 |
| 112° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.3 | 0.1 | 0.2 |



TEST NUMBER: P600911
 CATALOG NUMBER: HU30MSCTD36P

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|--------|-----|-------|-----|-------|-----|--------|------|--------|------|--------|------|
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.3 | 0.1 | 0.2 |
| 113° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.3 | 0.1 | 0.2 |
| 113.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.3 | 0.1 | 0.2 |
| 114° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.4 | 0.1 | 0.2 |
| 114.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.3 | 0.1 | 0.2 |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.5 | 0.1 | 0.2 |
| 115.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.5 | 0.1 | 0.2 |
| 116° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.4 | 0.1 | 0.2 |
| 116.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.4 | 0.1 | 0.2 |
| 117° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.4 | 0.1 | 0.2 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.4 | 0.1 | 0.2 |
| 118° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.4 | 0.1 | 0.2 |
| 118.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.3 | 0.4 | 0.1 | 0.2 |
| 119° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.3 | 0.4 | 0.1 | 0.2 |
| 119.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.4 | 0.5 | 0.1 | 0.2 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.4 | 0.5 | 0.1 | 0.2 |
| 120.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.3 | 0.5 | 0.1 | 0.2 |
| 121° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.3 | 0.5 | 0.1 | 0.2 |
| 121.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.3 | 0.5 | 0.1 | 0.2 |
| 122° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.3 | 0.5 | 0.1 | 0.2 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.3 | 0.5 | 0.1 | 0.2 |
| 123° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.4 | 0.5 | 0.1 | 0.2 |
| 123.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.4 | 0.5 | 0.1 | 0.2 |
| 124° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.4 | 0.5 | 0.1 | 0.2 |
| 124.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.5 | 0.5 | 0.1 | 0.2 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.5 | 0.5 | 0.1 | 0.2 |
| 125.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.4 | 0.5 | 0.1 | 0.2 |
| 126° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.4 | 0.5 | 0.1 | 0.2 |
| 126.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.4 | 0.5 | 0.1 | 0.2 |
| 127° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.4 | 0.5 | 0.1 | 0.2 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.4 | 0.5 | 0.1 | 0.2 |
| 128° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.4 | 0.5 | 0.1 | 0.2 |
| 128.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.4 | 0.5 | 0.1 | 0.2 |
| 129° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.4 | 0.5 | 0.1 | 0.2 |
| 129.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.4 | 0.5 | 0.1 | 0.2 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.4 | 0.5 | 0.1 | 0.2 |
| 130.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.5 | 0.5 | 0.1 | 0.2 |
| 131° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.5 | 0.5 | 0.1 | 0.2 |
| 131.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.5 | 0.5 | 0.1 | 0.2 |
| 132° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.5 | 0.5 | 0.1 | 0.2 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.5 | 0.5 | 0.1 | 0.2 |
| 133° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.5 | 0.5 | 0.1 | 0.2 |
| 133.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.5 | 0.5 | 0.1 | 0.2 |
| 134° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.5 | 0.6 | 0.1 | 0.2 |
| 134.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.5 | 0.6 | 0.1 | 0.2 |



TEST NUMBER: P600911
 CATALOG NUMBER: HU30MSCTD36P

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|--------|-----|-------|-----|-------|-----|--------|------|--------|------|--------|------|
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.5 | 0.5 | 0.1 | 0.2 |
| 135.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.5 | 0.5 | 0.1 | 0.2 |
| 136° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.1 | 0.5 | 0.6 | 0.1 | 0.2 |
| 136.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.1 | 0.5 | 0.5 | 0.1 | 0.2 |
| 137° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.5 | 0.5 | 0.1 | 0.2 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.5 | 0.7 | 0.1 | 0.2 |
| 138° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.5 | 0.7 | 0.1 | 0.2 |
| 138.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.5 | 0.6 | 0.1 | 0.2 |
| 139° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.5 | 0.6 | 0.1 | 0.2 |
| 139.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.6 | 0.1 | 0.2 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.6 | 0.1 | 0.2 |
| 140.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.5 | 0.6 | 0.1 | 0.2 |
| 141° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.5 | 0.6 | 0.1 | 0.2 |
| 141.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.5 | 0.6 | 0.1 | 0.2 |
| 142° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.5 | 0.7 | 0.1 | 0.2 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.5 | 0.7 | 0.1 | 0.2 |
| 143° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.5 | 0.7 | 0.1 | 0.2 |
| 143.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.5 | 0.7 | 0.1 | 0.2 |
| 144° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.5 | 0.7 | 0.1 | 0.2 |
| 144.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.5 | 0.7 | 0.1 | 0.2 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.5 | 0.8 | 0.1 | 0.2 |
| 145.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.5 | 0.8 | 0.1 | 0.2 |
| 146° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.5 | 0.8 | 0.1 | 0.2 |
| 146.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.5 | 0.8 | 0.1 | 0.2 |
| 147° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.5 | 0.8 | 0.1 | 0.2 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.5 | 0.8 | 0.1 | 0.2 |
| 148° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.5 | 0.8 | 0.1 | 0.2 |
| 148.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.5 | 0.8 | 0.1 | 0.2 |
| 149° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.5 | 0.8 | 0.1 | 0.2 |
| 149.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.5 | 0.8 | 0.1 | 0.2 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.5 | 0.8 | 0.1 | 0.2 |
| 150.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.5 | 0.8 | 0.1 | 0.2 |
| 151° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.5 | 0.8 | 0.1 | 0.2 |
| 151.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.5 | 0.8 | 0.1 | 0.2 |
| 152° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.2 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.2 |
| 153° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.2 |
| 153.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.2 |
| 154° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.2 |
| 154.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.2 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.2 |
| 155.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.2 |
| 156° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.2 |
| 156.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.2 |
| 157° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.2 |



TEST NUMBER: P600911
 CATALOG NUMBER: HU30MSCTD36P

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|--------|-----|-------|-----|-------|-----|--------|------|--------|------|--------|------|
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.2 |
| 158° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.2 |
| 158.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.2 |
| 159° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.2 |
| 159.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.2 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.2 |
| 160.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.2 |
| 161° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.2 |
| 161.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.2 |
| 162° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.2 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.2 |
| 163° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.2 |
| 163.5° | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.2 |
| 164° | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.2 |
| 164.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.2 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.2 |
| 165.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.2 |
| 166° | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.2 |
| 166.5° | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.2 |
| 167° | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.2 |
| 167.5° | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.2 |
| 168° | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.2 |
| 168.5° | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.2 |
| 169° | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.2 |
| 169.5° | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.2 |
| 170° | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.2 |
| 170.5° | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.2 |
| 171° | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.2 |
| 171.5° | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.2 |
| 172° | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.2 |
| 172.5° | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.1 |
| 173° | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.1 |
| 173.5° | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.1 |
| 174° | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.1 |
| 174.5° | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.1 |
| 175° | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.1 |
| 175.5° | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.1 |
| 176° | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.1 |
| 176.5° | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.1 |
| 177° | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.1 |
| 177.5° | 0.1 | 0.1 | 0.2 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.1 |
| 178° | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.1 |
| 178.5° | 0.1 | 0.1 | 0.2 | 0.0 | 0.0 | 0.3 | 0.1 | 0.6 | 0.8 | 0.1 | 0.1 |
| 179° | 0.2 | 0.1 | 0.2 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.1 |
| 179.5° | 0.1 | 0.1 | 0.2 | 0.0 | 0.0 | 0.2 | 0.1 | 0.6 | 0.8 | 0.1 | 0.1 |



TEST NUMBER: P600911
CATALOG NUMBER: HU30MSCTD36P

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|------|-----|-------|-----|-------|-----|--------|------|--------|------|--------|------|
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P600911
 CATALOG NUMBER: HU30MSCTD36P

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|-------|--------|-------|--------|-------|--------|-------|
| 0° | 321.8 | 321.8 | 321.8 | 321.8 | 321.8 | 321.8 |
| 0.5° | 321.8 | 321.3 | 320.6 | 321.0 | 320.5 | 324.2 |
| 1° | 321.7 | 319.0 | 317.6 | 319.4 | 319.5 | 323.0 |
| 1.5° | 321.0 | 317.2 | 317.2 | 318.4 | 319.4 | 322.3 |
| 2° | 320.4 | 316.8 | 315.8 | 317.4 | 318.6 | 321.4 |
| 2.5° | 320.0 | 315.5 | 314.4 | 316.3 | 318.0 | 320.6 |
| 3° | 316.0 | 314.2 | 313.4 | 315.9 | 317.7 | 320.0 |
| 3.5° | 313.1 | 311.1 | 312.0 | 314.6 | 316.4 | 319.9 |
| 4° | 311.5 | 310.4 | 310.9 | 313.2 | 315.6 | 322.0 |
| 4.5° | 310.9 | 309.4 | 309.4 | 311.9 | 315.3 | 321.5 |
| 5° | 310.8 | 307.2 | 308.5 | 311.6 | 313.6 | 321.3 |
| 5.5° | 309.1 | 305.8 | 306.4 | 310.1 | 313.6 | 319.8 |
| 6° | 308.1 | 304.6 | 305.4 | 309.0 | 313.0 | 319.9 |
| 6.5° | 306.0 | 302.6 | 304.0 | 307.9 | 312.3 | 320.8 |
| 7° | 302.8 | 301.2 | 302.5 | 305.8 | 310.6 | 319.5 |
| 7.5° | 301.4 | 299.6 | 300.9 | 305.0 | 310.0 | 321.4 |
| 8° | 301.9 | 298.6 | 299.4 | 304.3 | 310.0 | 321.1 |
| 8.5° | 297.7 | 297.4 | 297.9 | 302.4 | 308.4 | 319.1 |
| 9° | 299.2 | 295.1 | 296.7 | 301.8 | 307.2 | 318.2 |
| 9.5° | 296.4 | 293.4 | 294.7 | 299.8 | 306.2 | 316.7 |
| 10° | 293.0 | 290.8 | 293.9 | 298.3 | 304.9 | 316.1 |
| 10.5° | 292.4 | 289.0 | 291.6 | 296.5 | 303.1 | 315.3 |
| 11° | 293.6 | 287.5 | 290.0 | 295.9 | 302.8 | 315.5 |
| 11.5° | 292.2 | 285.9 | 288.6 | 294.8 | 301.1 | 314.7 |
| 12° | 289.1 | 284.5 | 286.6 | 293.2 | 300.7 | 313.6 |
| 12.5° | 287.3 | 283.0 | 285.7 | 291.3 | 299.6 | 312.4 |
| 13° | 285.6 | 280.3 | 283.9 | 289.7 | 298.2 | 310.7 |
| 13.5° | 281.3 | 278.4 | 281.9 | 288.0 | 297.4 | 310.3 |
| 14° | 279.8 | 276.7 | 280.3 | 285.9 | 296.2 | 310.7 |
| 14.5° | 279.2 | 275.0 | 277.7 | 284.7 | 294.9 | 308.9 |
| 15° | 278.6 | 272.4 | 276.2 | 283.5 | 293.5 | 307.6 |
| 15.5° | 275.8 | 271.1 | 273.6 | 281.5 | 292.2 | 309.5 |
| 16° | 273.3 | 268.4 | 271.7 | 280.0 | 291.1 | 307.4 |
| 16.5° | 272.1 | 267.0 | 271.1 | 277.9 | 289.5 | 306.8 |
| 17° | 270.9 | 265.1 | 268.5 | 277.1 | 287.7 | 303.7 |
| 17.5° | 267.0 | 263.5 | 266.9 | 274.7 | 287.3 | 303.2 |
| 18° | 264.9 | 261.5 | 265.7 | 272.8 | 285.2 | 302.3 |
| 18.5° | 261.7 | 259.8 | 263.2 | 271.1 | 283.7 | 301.7 |
| 19° | 262.0 | 257.8 | 261.3 | 270.1 | 282.5 | 300.7 |
| 19.5° | 260.9 | 255.9 | 259.4 | 267.9 | 281.3 | 299.9 |
| 20° | 258.6 | 254.7 | 257.4 | 265.5 | 279.6 | 299.2 |
| 20.5° | 255.4 | 252.5 | 255.3 | 264.1 | 278.5 | 298.0 |
| 21° | 253.6 | 250.6 | 253.6 | 262.9 | 276.8 | 299.1 |
| 21.5° | 252.2 | 248.2 | 251.7 | 261.1 | 274.7 | 297.5 |
| 22° | 250.7 | 246.6 | 250.0 | 259.1 | 273.4 | 294.2 |



TEST NUMBER: P600911
 CATALOG NUMBER: HU30MSCTD36P

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|-------|--------|-------|--------|-------|--------|-------|
| 22.5° | 249.6 | 244.3 | 247.6 | 257.7 | 272.3 | 292.2 |
| 23° | 248.1 | 242.4 | 245.8 | 255.3 | 269.9 | 290.7 |
| 23.5° | 243.4 | 240.3 | 243.8 | 253.2 | 268.3 | 289.7 |
| 24° | 242.5 | 237.9 | 241.3 | 251.4 | 266.8 | 289.1 |
| 24.5° | 239.6 | 236.2 | 240.1 | 250.2 | 265.4 | 288.1 |
| 25° | 236.9 | 233.9 | 238.1 | 248.3 | 262.8 | 286.6 |
| 25.5° | 235.1 | 232.2 | 235.5 | 245.9 | 261.4 | 283.1 |
| 26° | 232.9 | 229.6 | 233.5 | 243.7 | 260.6 | 281.7 |
| 26.5° | 229.5 | 227.6 | 231.9 | 241.6 | 259.2 | 280.8 |
| 27° | 229.3 | 226.0 | 230.0 | 240.5 | 256.9 | 280.2 |
| 27.5° | 227.5 | 223.5 | 227.6 | 237.6 | 254.5 | 278.2 |
| 28° | 225.5 | 221.5 | 225.2 | 236.9 | 252.9 | 277.0 |
| 28.5° | 223.5 | 219.0 | 223.3 | 234.4 | 251.1 | 273.6 |
| 29° | 222.0 | 217.2 | 221.1 | 232.3 | 248.9 | 272.9 |
| 29.5° | 218.6 | 215.2 | 219.4 | 230.2 | 247.0 | 272.3 |
| 30° | 217.0 | 212.5 | 216.9 | 228.0 | 245.9 | 268.5 |
| 30.5° | 215.2 | 210.5 | 215.2 | 226.7 | 243.9 | 268.2 |
| 31° | 211.3 | 209.1 | 213.8 | 224.9 | 241.7 | 266.7 |
| 31.5° | 210.3 | 207.0 | 210.8 | 222.4 | 240.2 | 264.7 |
| 32° | 208.3 | 204.6 | 208.6 | 220.4 | 237.5 | 262.2 |
| 32.5° | 206.3 | 202.2 | 206.2 | 218.0 | 236.1 | 260.1 |
| 33° | 204.7 | 200.2 | 203.8 | 216.2 | 233.0 | 259.7 |
| 33.5° | 202.7 | 197.9 | 202.3 | 213.5 | 231.7 | 259.5 |
| 34° | 199.7 | 195.8 | 200.4 | 212.0 | 229.5 | 256.4 |
| 34.5° | 197.8 | 193.8 | 197.3 | 210.4 | 227.8 | 255.0 |
| 35° | 195.1 | 191.3 | 195.3 | 207.4 | 225.3 | 251.8 |
| 35.5° | 193.1 | 188.9 | 193.0 | 205.1 | 223.3 | 250.6 |
| 36° | 189.9 | 187.3 | 191.1 | 203.2 | 221.5 | 247.6 |
| 36.5° | 189.1 | 185.3 | 188.8 | 200.8 | 220.2 | 246.5 |
| 37° | 186.8 | 182.6 | 186.5 | 199.2 | 218.0 | 244.8 |
| 37.5° | 184.2 | 180.3 | 184.1 | 197.4 | 215.8 | 242.5 |
| 38° | 181.9 | 178.0 | 182.4 | 194.5 | 213.5 | 240.9 |
| 38.5° | 179.7 | 175.7 | 179.9 | 192.6 | 210.9 | 239.3 |
| 39° | 176.8 | 173.9 | 177.8 | 190.4 | 208.9 | 236.1 |
| 39.5° | 175.3 | 171.5 | 175.6 | 188.9 | 206.7 | 234.2 |
| 40° | 173.2 | 168.8 | 173.2 | 186.5 | 204.3 | 230.8 |
| 40.5° | 170.7 | 166.9 | 171.4 | 183.8 | 202.8 | 228.4 |
| 41° | 169.3 | 164.4 | 168.8 | 182.1 | 200.6 | 226.5 |
| 41.5° | 166.1 | 162.7 | 166.6 | 180.0 | 198.9 | 225.5 |
| 42° | 164.3 | 159.8 | 164.5 | 177.7 | 196.1 | 223.3 |
| 42.5° | 161.5 | 157.4 | 161.7 | 175.5 | 194.0 | 221.1 |
| 43° | 159.0 | 155.2 | 159.8 | 173.2 | 191.3 | 218.5 |
| 43.5° | 157.4 | 153.1 | 157.6 | 170.9 | 189.4 | 216.9 |
| 44° | 154.6 | 151.0 | 155.2 | 168.8 | 187.0 | 214.8 |
| 44.5° | 152.3 | 148.8 | 152.6 | 166.4 | 185.1 | 212.8 |



TEST NUMBER: P600911
 CATALOG NUMBER: HU30MSCTD36P

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|-------|--------|-------|--------|-------|--------|-------|
| 45° | 149.3 | 146.1 | 150.4 | 164.1 | 183.0 | 210.4 |
| 45.5° | 146.3 | 143.7 | 148.0 | 162.2 | 180.9 | 208.1 |
| 46° | 146.9 | 141.7 | 145.7 | 159.6 | 178.8 | 206.1 |
| 46.5° | 144.0 | 139.4 | 143.5 | 157.4 | 176.7 | 203.8 |
| 47° | 141.1 | 137.0 | 141.2 | 155.6 | 174.0 | 200.8 |
| 47.5° | 138.2 | 134.7 | 138.6 | 152.6 | 171.5 | 198.5 |
| 48° | 136.5 | 132.1 | 136.7 | 150.7 | 169.8 | 195.3 |
| 48.5° | 134.0 | 129.8 | 134.4 | 148.4 | 167.0 | 193.4 |
| 49° | 131.7 | 127.7 | 132.1 | 145.5 | 165.0 | 191.6 |
| 49.5° | 129.1 | 125.6 | 129.9 | 143.4 | 162.2 | 188.0 |
| 50° | 126.2 | 123.0 | 127.5 | 141.2 | 160.3 | 186.9 |
| 50.5° | 125.0 | 120.6 | 125.2 | 139.2 | 157.7 | 184.3 |
| 51° | 123.5 | 118.3 | 122.9 | 136.9 | 155.4 | 182.8 |
| 51.5° | 120.7 | 115.9 | 120.3 | 134.4 | 153.2 | 181.3 |
| 52° | 118.7 | 113.8 | 117.9 | 131.8 | 151.0 | 178.2 |
| 52.5° | 116.2 | 111.4 | 115.8 | 129.6 | 148.0 | 175.4 |
| 53° | 113.2 | 109.0 | 113.5 | 127.7 | 146.1 | 172.3 |
| 53.5° | 110.9 | 106.5 | 111.3 | 124.8 | 143.9 | 171.0 |
| 54° | 108.7 | 104.5 | 108.7 | 122.4 | 141.4 | 168.8 |
| 54.5° | 106.2 | 102.2 | 106.2 | 120.0 | 138.7 | 165.8 |
| 55° | 104.0 | 99.9 | 104.3 | 118.1 | 137.2 | 163.6 |
| 55.5° | 101.7 | 97.3 | 101.9 | 115.2 | 134.0 | 160.5 |
| 56° | 99.2 | 95.0 | 99.5 | 112.6 | 131.4 | 157.1 |
| 56.5° | 96.7 | 92.6 | 97.3 | 110.2 | 129.1 | 155.0 |
| 57° | 94.5 | 90.3 | 94.7 | 107.9 | 126.9 | 153.1 |
| 57.5° | 92.2 | 87.9 | 92.2 | 105.4 | 124.5 | 150.2 |
| 58° | 89.9 | 85.5 | 90.0 | 103.4 | 121.9 | 148.5 |
| 58.5° | 87.3 | 83.2 | 87.8 | 101.0 | 119.3 | 145.2 |
| 59° | 85.3 | 80.7 | 85.5 | 98.5 | 117.3 | 143.1 |
| 59.5° | 82.9 | 78.4 | 83.0 | 95.7 | 114.5 | 141.2 |
| 60° | 80.5 | 76.0 | 80.5 | 93.6 | 112.3 | 138.1 |
| 60.5° | 78.0 | 73.7 | 78.3 | 91.0 | 109.6 | 134.9 |
| 61° | 75.5 | 71.2 | 75.8 | 88.6 | 107.5 | 132.1 |
| 61.5° | 73.1 | 69.3 | 73.7 | 86.1 | 104.7 | 129.9 |
| 62° | 70.8 | 66.8 | 71.4 | 83.7 | 102.5 | 126.9 |
| 62.5° | 68.3 | 64.6 | 69.0 | 81.3 | 100.3 | 123.8 |
| 63° | 65.9 | 62.2 | 66.5 | 79.0 | 97.9 | 122.1 |
| 63.5° | 63.7 | 60.0 | 64.4 | 76.5 | 95.4 | 119.6 |
| 64° | 61.5 | 57.8 | 62.0 | 74.2 | 92.9 | 116.9 |
| 64.5° | 59.1 | 55.5 | 59.8 | 71.9 | 90.3 | 114.8 |
| 65° | 56.6 | 53.0 | 57.4 | 69.3 | 87.7 | 111.6 |
| 65.5° | 54.4 | 50.8 | 55.1 | 66.9 | 85.4 | 109.1 |
| 66° | 52.3 | 48.4 | 52.9 | 64.7 | 82.8 | 106.3 |
| 66.5° | 49.9 | 46.3 | 50.5 | 62.3 | 80.2 | 103.6 |
| 67° | 47.5 | 44.1 | 48.2 | 59.8 | 77.6 | 101.3 |



TEST NUMBER: P600911
 CATALOG NUMBER: HU30MSCTD36P

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|-------|--------|------|--------|------|--------|------|
| 67.5° | 45.2 | 41.8 | 46.0 | 57.4 | 75.2 | 98.7 |
| 68° | 42.9 | 39.7 | 43.8 | 55.0 | 73.0 | 96.6 |
| 68.5° | 40.8 | 37.4 | 41.6 | 52.7 | 70.4 | 93.3 |
| 69° | 38.5 | 35.3 | 39.4 | 50.4 | 67.7 | 90.6 |
| 69.5° | 36.4 | 33.2 | 37.2 | 48.2 | 65.8 | 87.8 |
| 70° | 34.2 | 31.3 | 35.1 | 45.8 | 63.4 | 84.9 |
| 70.5° | 32.2 | 29.2 | 32.9 | 43.5 | 60.5 | 82.2 |
| 71° | 30.0 | 27.1 | 30.9 | 41.2 | 58.3 | 79.8 |
| 71.5° | 28.0 | 25.3 | 28.9 | 38.8 | 55.6 | 77.4 |
| 72° | 26.2 | 23.4 | 26.9 | 36.5 | 53.3 | 74.9 |
| 72.5° | 24.2 | 21.6 | 25.1 | 34.4 | 50.9 | 72.2 |
| 73° | 22.4 | 19.7 | 23.1 | 32.3 | 48.3 | 69.3 |
| 73.5° | 20.5 | 17.9 | 21.3 | 30.2 | 46.0 | 66.7 |
| 74° | 18.7 | 16.3 | 19.4 | 27.9 | 43.8 | 64.2 |
| 74.5° | 16.9 | 14.6 | 17.6 | 26.1 | 41.4 | 61.5 |
| 75° | 15.2 | 13.0 | 15.9 | 24.1 | 38.8 | 58.9 |
| 75.5° | 13.5 | 11.5 | 14.2 | 22.3 | 36.5 | 56.1 |
| 76° | 11.9 | 10.1 | 12.6 | 20.3 | 34.2 | 53.6 |
| 76.5° | 10.3 | 8.8 | 11.1 | 18.4 | 31.9 | 50.9 |
| 77° | 8.8 | 7.5 | 9.7 | 16.5 | 29.8 | 48.4 |
| 77.5° | 7.6 | 6.4 | 8.4 | 14.8 | 27.6 | 45.8 |
| 78° | 6.4 | 5.4 | 7.2 | 13.1 | 25.7 | 43.5 |
| 78.5° | 5.5 | 4.4 | 6.2 | 11.5 | 23.6 | 41.1 |
| 79° | 4.2 | 3.4 | 5.0 | 10.0 | 21.4 | 38.4 |
| 79.5° | 3.2 | 2.3 | 4.0 | 8.7 | 19.5 | 35.9 |
| 80° | 2.3 | 1.3 | 3.2 | 7.4 | 17.5 | 33.5 |
| 80.5° | 1.3 | 0.6 | 2.1 | 6.2 | 15.7 | 31.3 |
| 81° | 0.2 | 0.2 | 1.1 | 5.1 | 13.8 | 29.1 |
| 81.5° | 0.0 | 0.1 | 0.5 | 4.1 | 12.1 | 26.7 |
| 82° | 0.0 | 0.0 | 0.2 | 3.2 | 10.4 | 24.6 |
| 82.5° | 0.0 | 0.0 | 0.1 | 2.3 | 8.9 | 22.3 |
| 83° | 0.0 | 0.0 | 0.0 | 1.4 | 7.5 | 20.2 |
| 83.5° | 0.0 | 0.0 | 0.0 | 0.5 | 6.2 | 18.0 |
| 84° | 0.0 | 0.0 | 0.0 | 0.1 | 4.9 | 16.2 |
| 84.5° | 0.0 | 0.0 | 0.0 | 0.0 | 3.9 | 14.3 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 12.5 |
| 85.5° | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 10.7 |
| 86° | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 9.0 |
| 86.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 7.3 |
| 87° | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 6.2 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 |
| 88° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 |
| 88.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 |
| 89° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 |
| 89.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 |



TEST NUMBER: P600911
 CATALOG NUMBER: HU30MSCTD36P

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|--------|--------|------|--------|------|--------|------|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 |
| 90.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| 91° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 91.5° | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 92° | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 93° | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 93.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 94° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 94.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 96° | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 96.5° | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97° | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 98° | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 98.5° | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 99° | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 99.5° | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100.5° | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 101° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 101.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 103° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 103.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 104° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 104.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 106° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 106.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 108° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 108.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 109° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 109.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 111° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 111.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 112° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P600911
 CATALOG NUMBER: HU30MSCTD36P

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|--------|--------|------|--------|------|--------|------|
| 112.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 113° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 113.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 114° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 114.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 116° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 116.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 118° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 118.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 119° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 119.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 121° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 121.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 123° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 123.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 124° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 124.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 126° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 126.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 128° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 128.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 129° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 129.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 131° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 131.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 133° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 133.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 134° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 134.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P600911
 CATALOG NUMBER: HU30MSCTD36P

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|--------|--------|------|--------|------|--------|------|
| 135° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 136° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 136.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 138° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 138.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 139° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 139.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 141° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 141.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 142° | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 142.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 143° | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 143.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 144° | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 144.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 145° | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 145.5° | 0.2 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 |
| 146° | 0.2 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 |
| 146.5° | 0.2 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 |
| 147° | 0.2 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 |
| 147.5° | 0.2 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 |
| 148° | 0.2 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 |
| 148.5° | 0.2 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 |
| 149° | 0.2 | 0.2 | 0.0 | 0.0 | 0.1 | 0.0 |
| 149.5° | 0.2 | 0.2 | 0.0 | 0.0 | 0.1 | 0.0 |
| 150° | 0.2 | 0.2 | 0.0 | 0.0 | 0.1 | 0.0 |
| 150.5° | 0.2 | 0.2 | 0.0 | 0.0 | 0.1 | 0.0 |
| 151° | 0.2 | 0.2 | 0.0 | 0.0 | 0.1 | 0.0 |
| 151.5° | 0.2 | 0.2 | 0.0 | 0.0 | 0.1 | 0.0 |
| 152° | 0.2 | 0.2 | 0.0 | 0.1 | 0.1 | 0.0 |
| 152.5° | 0.2 | 0.2 | 0.0 | 0.0 | 0.2 | 0.0 |
| 153° | 0.2 | 0.2 | 0.0 | 0.2 | 0.2 | 0.0 |
| 153.5° | 0.2 | 0.2 | 0.0 | 0.1 | 0.2 | 0.0 |
| 154° | 0.2 | 0.2 | 0.0 | 0.1 | 0.2 | 0.0 |
| 154.5° | 0.2 | 0.2 | 0.0 | 0.1 | 0.2 | 0.0 |
| 155° | 0.2 | 0.2 | 0.0 | 0.2 | 0.2 | 0.0 |
| 155.5° | 0.2 | 0.2 | 0.0 | 0.2 | 0.3 | 0.0 |
| 156° | 0.2 | 0.2 | 0.0 | 0.2 | 0.4 | 0.0 |
| 156.5° | 0.2 | 0.2 | 0.0 | 0.3 | 0.5 | 0.0 |
| 157° | 0.2 | 0.2 | 0.0 | 0.3 | 0.5 | 0.0 |



TEST NUMBER: P600911
 CATALOG NUMBER: HU30MSCTD36P

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|--------|--------|------|--------|------|--------|------|
| 157.5° | 0.2 | 0.2 | 0.0 | 0.5 | 0.6 | 0.0 |
| 158° | 0.2 | 0.2 | 0.1 | 0.5 | 0.5 | 0.0 |
| 158.5° | 0.2 | 0.2 | 0.1 | 0.5 | 0.7 | 0.0 |
| 159° | 0.2 | 0.2 | 0.0 | 0.5 | 0.7 | 0.0 |
| 159.5° | 0.2 | 0.2 | 0.0 | 0.6 | 0.6 | 0.0 |
| 160° | 0.2 | 0.2 | 0.0 | 0.6 | 0.6 | 0.0 |
| 160.5° | 0.2 | 0.2 | 0.0 | 0.7 | 0.6 | 0.0 |
| 161° | 0.2 | 0.2 | 0.0 | 0.7 | 0.6 | 0.0 |
| 161.5° | 0.2 | 0.2 | 0.0 | 0.8 | 0.6 | 0.0 |
| 162° | 0.2 | 0.2 | 0.0 | 0.8 | 0.6 | 0.0 |
| 162.5° | 0.2 | 0.2 | 0.0 | 0.8 | 0.6 | 0.0 |
| 163° | 0.2 | 0.2 | 0.0 | 0.8 | 0.6 | 0.0 |
| 163.5° | 0.2 | 0.2 | 0.0 | 0.8 | 0.7 | 0.0 |
| 164° | 0.2 | 0.2 | 0.0 | 0.8 | 0.7 | 0.0 |
| 164.5° | 0.2 | 0.2 | 0.0 | 0.8 | 0.7 | 0.0 |
| 165° | 0.2 | 0.2 | 0.0 | 0.8 | 0.7 | 0.0 |
| 165.5° | 0.2 | 0.2 | 0.0 | 0.8 | 0.7 | 0.0 |
| 166° | 0.2 | 0.2 | 0.0 | 0.8 | 0.7 | 0.0 |
| 166.5° | 0.2 | 0.2 | 0.0 | 0.8 | 0.7 | 0.0 |
| 167° | 0.2 | 0.2 | 0.0 | 0.8 | 0.7 | 0.0 |
| 167.5° | 0.2 | 0.2 | 0.1 | 0.8 | 0.7 | 0.0 |
| 168° | 0.2 | 0.2 | 0.1 | 0.9 | 0.7 | 0.0 |
| 168.5° | 0.2 | 0.2 | 0.2 | 0.9 | 0.7 | 0.0 |
| 169° | 0.2 | 0.2 | 0.2 | 0.8 | 0.7 | 0.0 |
| 169.5° | 0.3 | 0.2 | 0.1 | 0.8 | 0.7 | 0.0 |
| 170° | 0.3 | 0.2 | 0.1 | 0.8 | 0.7 | 0.0 |
| 170.5° | 0.2 | 0.2 | 0.1 | 0.8 | 0.7 | 0.0 |
| 171° | 0.2 | 0.2 | 0.1 | 0.8 | 0.7 | 0.0 |
| 171.5° | 0.2 | 0.2 | 0.1 | 0.8 | 0.7 | 0.0 |
| 172° | 0.2 | 0.2 | 0.1 | 0.8 | 0.8 | 0.0 |
| 172.5° | 0.2 | 0.2 | 0.1 | 0.8 | 0.8 | 0.0 |
| 173° | 0.2 | 0.2 | 0.1 | 0.8 | 0.9 | 0.0 |
| 173.5° | 0.2 | 0.2 | 0.1 | 0.8 | 0.8 | 0.0 |
| 174° | 0.2 | 0.2 | 0.1 | 0.8 | 0.8 | 0.0 |
| 174.5° | 0.2 | 0.2 | 0.1 | 0.8 | 0.8 | 0.0 |
| 175° | 0.2 | 0.2 | 0.1 | 0.8 | 0.8 | 0.0 |
| 175.5° | 0.2 | 0.2 | 0.1 | 0.8 | 0.8 | 0.0 |
| 176° | 0.2 | 0.2 | 0.1 | 0.8 | 0.8 | 0.0 |
| 176.5° | 0.2 | 0.2 | 0.1 | 0.8 | 0.8 | 0.0 |
| 177° | 0.2 | 0.2 | 0.1 | 0.7 | 0.8 | 0.0 |
| 177.5° | 0.2 | 0.2 | 0.1 | 0.7 | 0.8 | 0.1 |
| 178° | 0.2 | 0.2 | 0.1 | 0.7 | 0.8 | 0.0 |
| 178.5° | 0.2 | 0.2 | 0.1 | 0.7 | 0.9 | 0.1 |
| 179° | 0.2 | 0.2 | 0.1 | 0.7 | 0.9 | 0.2 |
| 179.5° | 0.2 | 0.2 | 0.1 | 0.7 | 0.8 | 0.1 |



TEST NUMBER: P600911
CATALOG NUMBER: HU30MSCTD36P

CANDELA DISTRIBUTION (continued):

| | | | | | | |
|------|--------|------|--------|------|--------|------|
| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)