

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: P271567

Luminaire Tested: **ISS-AF-350-LED-E1-T2-7027-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271567
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29758)-DOWNLIGHT AND
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: ISS-AF-350-LED-E1-T2-7027-ULG
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II, WITH UPLIGHT GLOW
Light Source: (16) 2700K CCT, 70 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3429.5 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B0 - U5 - G1

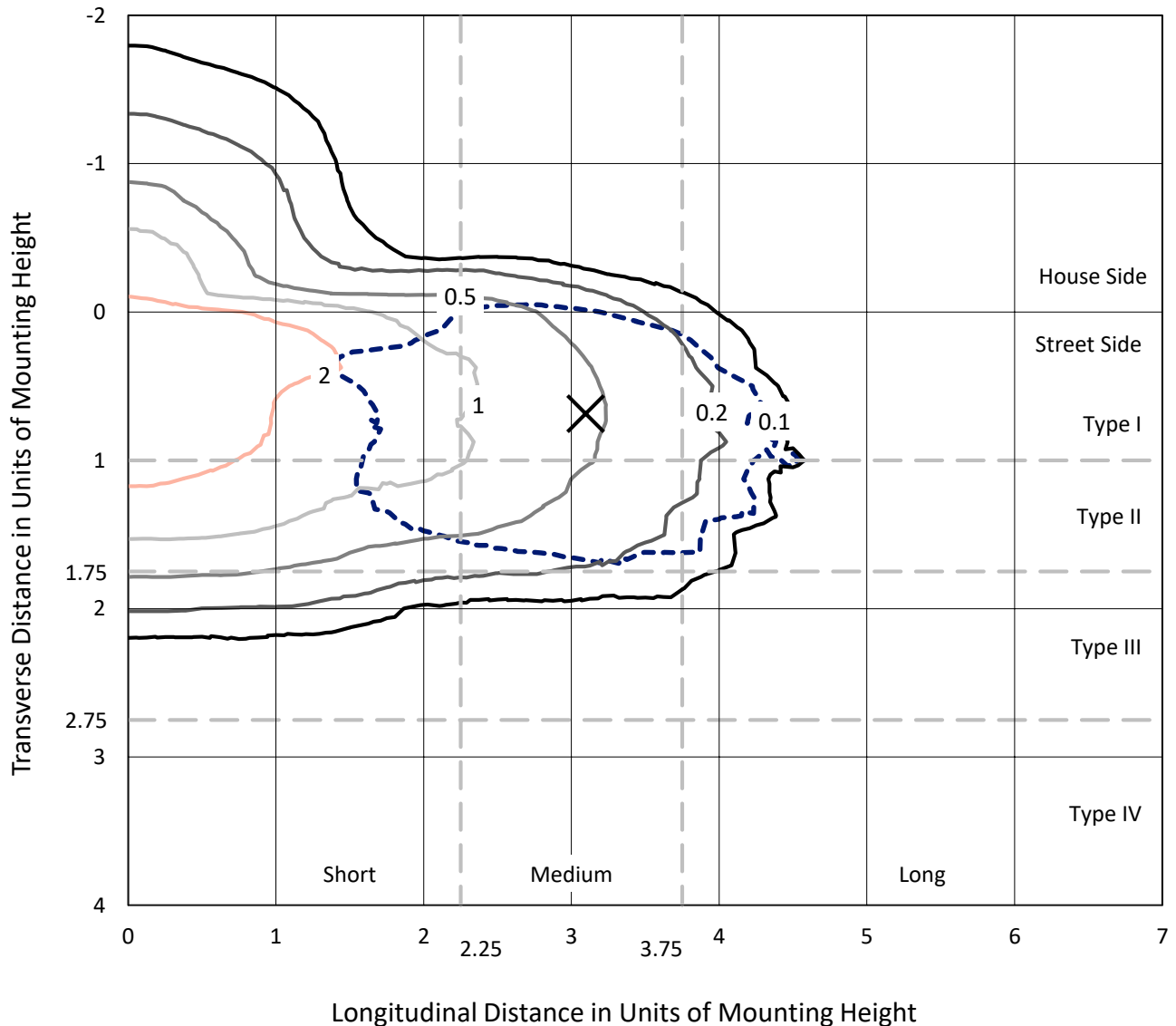
Input Watts (W): 36.79
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

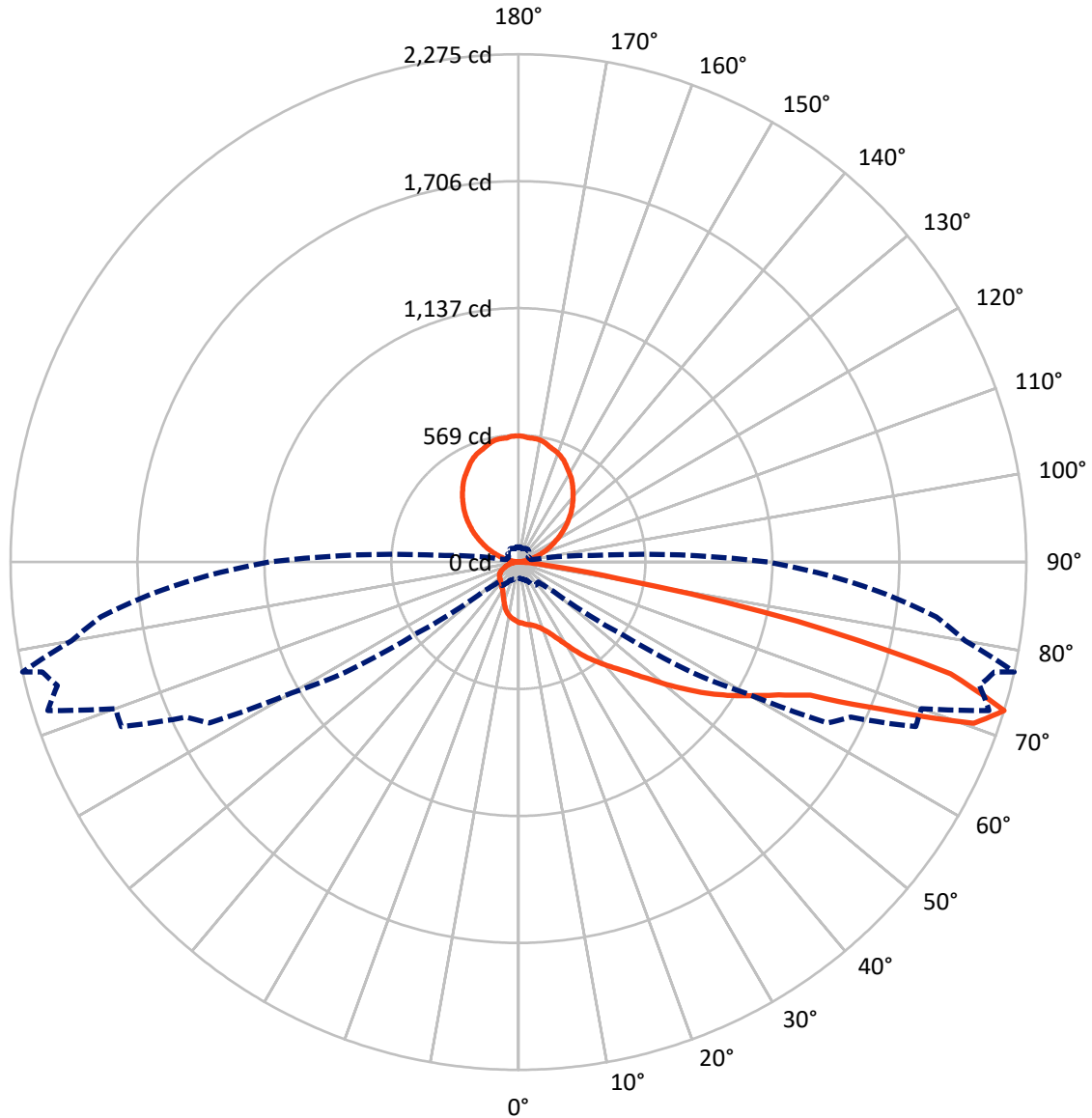
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.3 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77.5-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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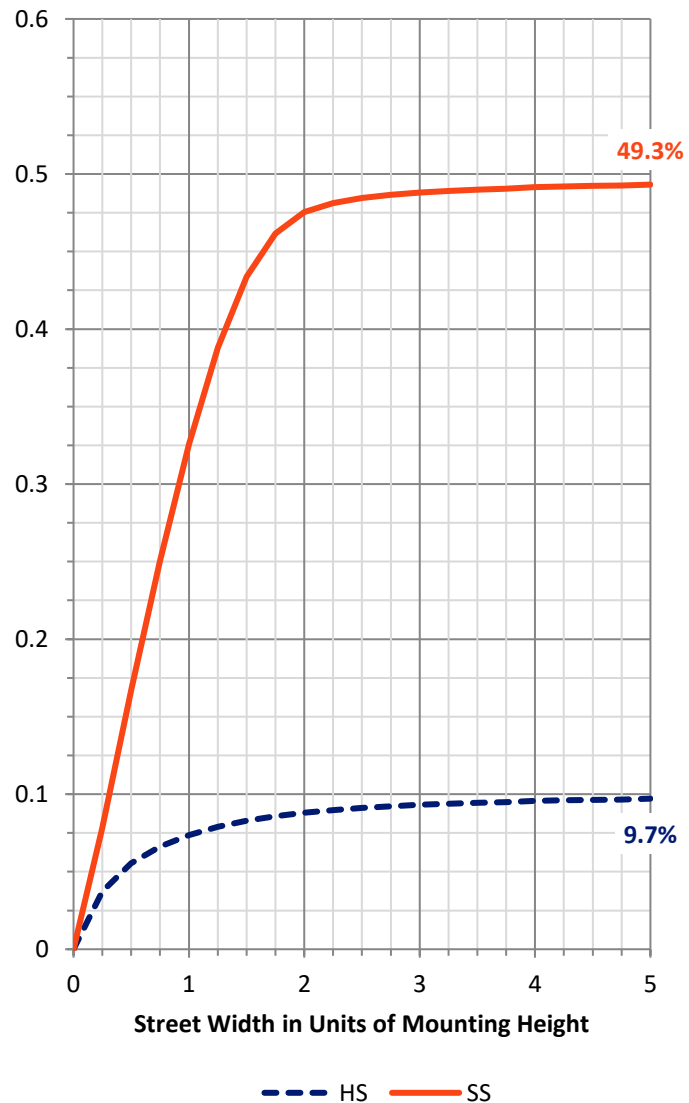
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 336.3 | 699.9 | 1036.2 |
| | % Fixture | 9.8 | 20.4 | 30.2 |
| Street Side | Lumens | 1693.4 | 699.9 | 2393.3 |
| | % Fixture | 49.4 | 20.4 | 69.8 |
| Total | Lumens | 2029.7 | 1399.8 | 3429.5 |
| | % Fixture | 59.2 | 40.8 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 25.2 | 0.7 |
| 10°-20° | 77.2 | 2.3 |
| 20°-30° | 137.0 | 4.0 |
| 30°-40° | 217.1 | 6.3 |
| 40°-50° | 325.7 | 9.5 |
| 50°-60° | 422.0 | 12.3 |
| 60°-70° | 479.5 | 14.0 |
| 70°-80° | 318.2 | 9.3 |
| 80°-90° | 27.8 | 0.8 |
| 90°-100° | 4.7 | 0.1 |
| 100°-110° | 67.7 | 2.0 |
| 110°-120° | 150.2 | 4.4 |
| 120°-130° | 219.7 | 6.4 |
| 130°-140° | 260.7 | 7.6 |
| 140°-150° | 264.3 | 7.7 |
| 150°-160° | 226.8 | 6.6 |
| 160°-170° | 152.2 | 4.4 |
| 170°-180° | 53.3 | 1.6 |
| 0°-90° | 2029.7 | 59.2 |
| 0°-180° | 3429.5 | 100.0 |



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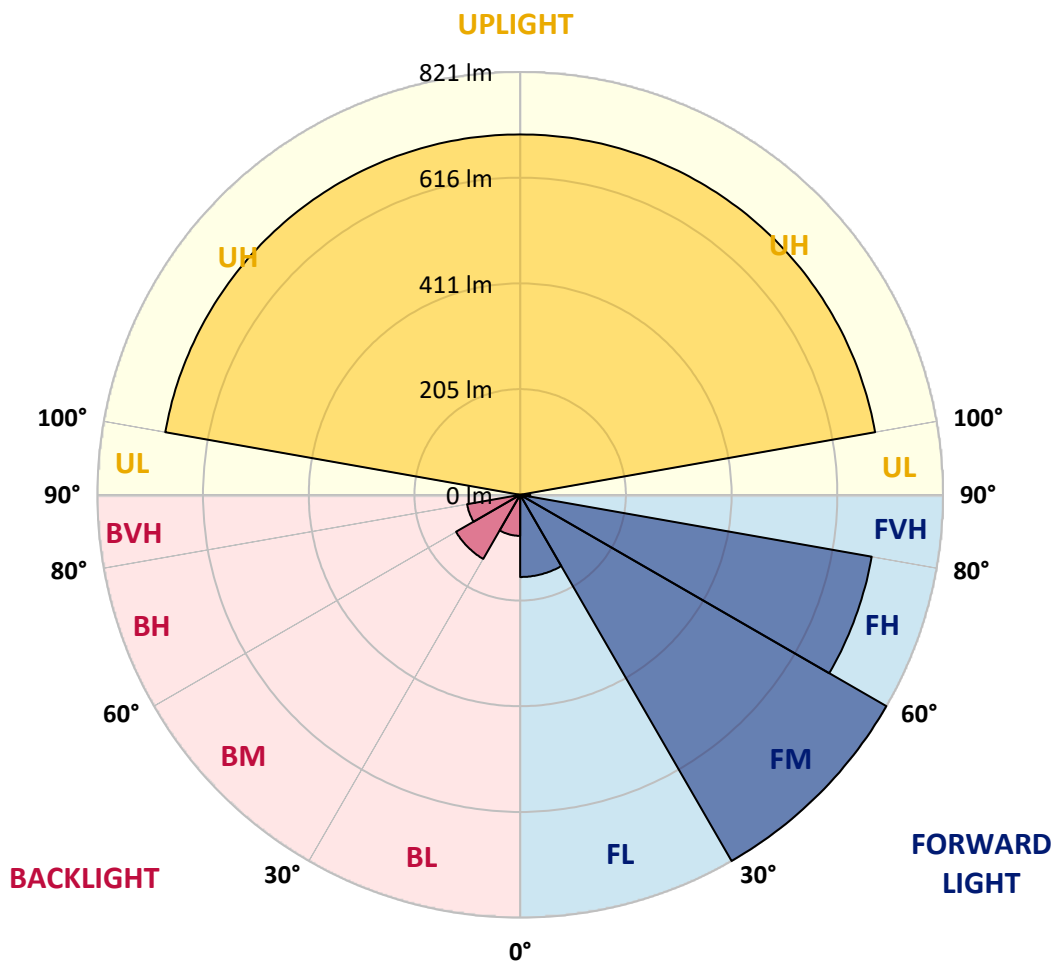
CATALOG NUMBER: ISS-AF-350-LED-E1-T2-7027-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|---------|---------|
| | | | B | U | G |
| FL (0°-30°) | 159.7 | 4.7 | | | |
| FM (30°-60°) | 821.1 | 23.9 | | | |
| FH (60°-80°) | 693.1 | 20.2 | | | G1/1800 |
| FVH (80°-90°) | 19.4 | 0.6 | | | G1/100 |
| BL (0°-30°) | 79.7 | 2.3 | B0/110 | | |
| BM (30°-60°) | 143.7 | 4.2 | B0/220 | | |
| BH (60°-80°) | 104.6 | 3.0 | B0/110 | | G0/110 |
| BVH (80°-90°) | 8.4 | 0.2 | | | G0/10 |
| UL (90°-100°) | 4.7 | 0.1 | | U1/10 | |
| UH (100°-180°) | 699.9 | 20.4 | | U4/1000 | |

BUG Rating: B0-U5-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 37.5° | 40° | 42.5° | 45° | 47.5° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0° | 271.0 | 271.0 | 271.0 | 271.0 | 271.0 | 271.0 | 271.0 | 271.0 | 271.0 | 271.0 | 271.0 |
| 2.5° | 293.6 | 292.2 | 291.5 | 290.2 | 288.7 | 288.1 | 286.1 | 284.8 | 286.8 | 286.1 | 286.1 |
| 5° | 315.5 | 314.0 | 312.0 | 310.1 | 307.3 | 305.2 | 303.2 | 301.1 | 302.5 | 301.1 | 299.8 |
| 7.5° | 333.3 | 331.9 | 329.2 | 327.2 | 324.4 | 321.6 | 318.9 | 318.2 | 316.8 | 314.8 | 314.0 |
| 10° | 343.5 | 342.2 | 340.7 | 339.4 | 335.3 | 333.3 | 329.9 | 327.8 | 328.5 | 325.7 | 325.7 |
| 12.5° | 353.1 | 351.8 | 351.1 | 351.1 | 347.6 | 345.6 | 344.2 | 342.2 | 343.5 | 339.4 | 338.0 |
| 15° | 361.9 | 360.7 | 358.6 | 360.7 | 360.0 | 359.3 | 358.6 | 358.0 | 360.0 | 355.9 | 356.5 |
| 17.5° | 376.4 | 375.7 | 371.6 | 368.8 | 369.6 | 371.6 | 373.0 | 372.3 | 372.3 | 370.2 | 370.9 |
| 20° | 398.9 | 398.9 | 393.5 | 388.7 | 381.2 | 381.2 | 381.9 | 381.2 | 382.6 | 383.9 | 386.0 |
| 22.5° | 416.1 | 414.7 | 412.6 | 408.5 | 400.4 | 393.5 | 393.5 | 390.8 | 392.8 | 393.5 | 397.6 |
| 25° | 437.9 | 436.7 | 431.8 | 431.8 | 423.6 | 414.7 | 413.3 | 409.3 | 414.0 | 405.1 | 412.0 |
| 27.5° | 464.6 | 463.3 | 457.1 | 454.5 | 450.3 | 439.3 | 436.7 | 437.3 | 442.1 | 429.1 | 435.9 |
| 30° | 498.2 | 496.9 | 489.3 | 481.9 | 474.9 | 463.3 | 461.9 | 461.3 | 472.1 | 457.1 | 466.0 |
| 32.5° | 540.6 | 540.6 | 532.4 | 522.2 | 508.5 | 492.7 | 487.2 | 487.9 | 503.1 | 486.6 | 501.6 |
| 35° | 605.0 | 596.7 | 581.7 | 565.9 | 551.6 | 533.1 | 525.6 | 524.3 | 537.8 | 521.5 | 538.5 |
| 37.5° | 646.0 | 640.5 | 626.8 | 615.2 | 599.5 | 581.7 | 576.3 | 578.3 | 589.8 | 565.9 | 590.5 |
| 40° | 683.0 | 682.4 | 673.4 | 665.8 | 650.1 | 632.4 | 639.1 | 666.5 | 697.4 | 650.8 | 651.5 |
| 42.5° | 707.7 | 709.0 | 708.3 | 709.0 | 700.0 | 681.6 | 693.2 | 731.6 | 784.3 | 756.9 | 731.6 |
| 45° | 711.6 | 716.5 | 718.6 | 732.3 | 741.1 | 730.2 | 736.4 | 776.8 | 882.1 | 924.5 | 810.3 |
| 47.5° | 722.0 | 726.8 | 722.7 | 739.0 | 780.2 | 779.5 | 804.2 | 819.2 | 833.5 | 840.4 | 926.6 |
| 50° | 735.7 | 744.5 | 740.5 | 754.1 | 787.6 | 806.9 | 828.1 | 847.2 | 835.6 | 792.5 | 815.8 |
| 52.5° | 736.4 | 746.6 | 769.2 | 783.0 | 815.8 | 811.6 | 826.0 | 815.8 | 833.5 | 789.0 | 811.6 |
| 55° | 676.2 | 678.2 | 743.9 | 813.0 | 870.5 | 858.9 | 850.0 | 826.7 | 849.3 | 793.8 | 822.6 |
| 57.5° | 581.0 | 587.9 | 656.3 | 772.6 | 895.8 | 906.1 | 903.3 | 901.3 | 919.1 | 845.1 | 876.7 |
| 60° | 476.3 | 484.5 | 549.5 | 686.5 | 843.1 | 869.8 | 906.7 | 929.4 | 975.2 | 945.7 | 997.7 |
| 62.5° | 297.0 | 303.2 | 375.0 | 546.1 | 743.9 | 796.5 | 850.7 | 877.4 | 943.7 | 957.4 | 1045.6 |
| 65° | 141.7 | 143.7 | 171.8 | 297.0 | 540.6 | 639.9 | 719.9 | 776.8 | 858.2 | 919.8 | 1038.8 |
| 67.5° | 110.2 | 110.9 | 121.1 | 158.1 | 277.1 | 343.5 | 434.6 | 509.9 | 596.7 | 765.1 | 912.9 |
| 70° | 88.2 | 88.2 | 96.5 | 116.3 | 171.8 | 180.6 | 203.9 | 229.2 | 266.2 | 401.7 | 521.5 |
| 72.5° | 73.9 | 73.9 | 79.4 | 91.6 | 127.3 | 129.4 | 128.0 | 125.9 | 125.9 | 158.8 | 202.6 |
| 75° | 62.3 | 61.6 | 64.9 | 73.2 | 94.4 | 97.2 | 95.8 | 91.0 | 85.6 | 85.6 | 96.5 |
| 77.5° | 50.7 | 50.7 | 53.4 | 57.5 | 68.5 | 69.8 | 69.8 | 65.7 | 60.9 | 61.6 | 66.4 |
| 80° | 39.6 | 39.6 | 41.7 | 44.5 | 47.9 | 47.3 | 47.3 | 43.1 | 39.6 | 39.0 | 41.7 |
| 82.5° | 28.7 | 29.5 | 34.2 | 32.2 | 30.8 | 28.7 | 28.7 | 28.0 | 25.3 | 23.3 | 24.6 |
| 85° | 8.9 | 9.6 | 16.3 | 19.1 | 15.7 | 12.9 | 12.4 | 10.3 | 11.0 | 8.9 | 10.3 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | 0.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 97.5° | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | 5.1 | 6.4 | 7.6 | 8.8 | 9.8 | 10.8 |
| 100° | 7.8 | 7.8 | 9.8 | 13.7 | 21.6 | 23.5 | 25.5 | 27.5 | 29.5 | 29.9 | 30.5 |
| 102.5° | 27.5 | 27.5 | 31.4 | 37.3 | 44.2 | 45.4 | 46.6 | 47.9 | 49.0 | 49.2 | 49.6 |
| 105° | 53.0 | 53.0 | 55.0 | 59.8 | 64.8 | 65.8 | 66.7 | 67.7 | 68.7 | 68.9 | 69.2 |
| 107.5° | 76.5 | 75.5 | 78.5 | 82.5 | 86.3 | 87.1 | 87.9 | 88.6 | 89.3 | 89.8 | 90.3 |
| 110° | 99.2 | 100.1 | 101.1 | 104.0 | 108.0 | 108.4 | 109.0 | 109.4 | 110.0 | 110.4 | 110.9 |



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CATALOG NUMBER: ISS-AF-350-LED-E1-T2-7027-ULG

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 37.5° | 40° | 42.5° | 45° | 47.5° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 121.7 | 121.7 | 123.7 | 126.6 | 129.5 | 130.1 | 130.5 | 131.1 | 131.5 | 132.1 | 132.5 |
| 115° | 143.3 | 144.3 | 146.2 | 148.2 | 151.2 | 151.6 | 152.2 | 152.6 | 153.1 | 153.6 | 154.1 |
| 117.5° | 165.8 | 166.8 | 168.8 | 170.8 | 173.7 | 174.2 | 174.7 | 175.2 | 175.7 | 175.9 | 176.2 |
| 120° | 189.5 | 191.4 | 192.3 | 194.3 | 197.3 | 197.4 | 197.8 | 198.1 | 198.3 | 198.7 | 199.2 |
| 122.5° | 215.0 | 216.0 | 216.9 | 218.8 | 221.8 | 222.0 | 222.3 | 222.6 | 222.8 | 223.0 | 223.3 |
| 125° | 239.5 | 241.5 | 242.5 | 243.4 | 246.3 | 246.6 | 246.9 | 247.1 | 247.3 | 247.6 | 247.8 |
| 127.5° | 262.0 | 264.0 | 265.0 | 267.0 | 269.0 | 269.4 | 269.9 | 270.4 | 270.9 | 271.4 | 271.8 |
| 130° | 284.7 | 286.6 | 287.5 | 288.5 | 292.5 | 292.7 | 292.9 | 293.3 | 293.5 | 293.9 | 294.5 |
| 132.5° | 307.2 | 308.2 | 311.2 | 312.1 | 315.0 | 315.2 | 315.6 | 315.8 | 316.0 | 316.8 | 317.6 |
| 135° | 329.8 | 330.8 | 332.7 | 334.7 | 338.6 | 338.6 | 338.6 | 338.6 | 338.6 | 339.4 | 340.1 |
| 137.5° | 352.3 | 353.3 | 356.3 | 357.3 | 360.2 | 360.2 | 360.2 | 360.2 | 360.2 | 360.7 | 361.2 |
| 140° | 375.0 | 375.9 | 377.8 | 378.8 | 380.8 | 381.0 | 381.3 | 381.6 | 381.8 | 382.0 | 382.3 |
| 142.5° | 396.5 | 398.5 | 400.5 | 399.5 | 402.4 | 402.4 | 402.4 | 402.4 | 402.4 | 402.9 | 403.4 |
| 145° | 417.2 | 418.1 | 420.0 | 420.0 | 423.0 | 423.2 | 423.6 | 423.8 | 424.0 | 424.4 | 425.0 |
| 147.5° | 435.8 | 435.8 | 438.7 | 439.7 | 443.7 | 443.9 | 444.1 | 444.4 | 444.6 | 444.8 | 445.1 |
| 150° | 452.5 | 453.5 | 455.4 | 456.4 | 460.3 | 460.5 | 460.8 | 461.1 | 461.3 | 461.5 | 461.8 |
| 152.5° | 470.2 | 471.1 | 474.0 | 473.0 | 476.0 | 476.2 | 476.6 | 476.8 | 477.0 | 477.2 | 477.4 |
| 155° | 489.8 | 490.7 | 492.7 | 491.7 | 493.7 | 493.7 | 493.7 | 493.7 | 493.7 | 493.9 | 494.2 |
| 157.5° | 503.5 | 505.5 | 507.5 | 506.5 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 |
| 160° | 515.3 | 517.2 | 519.2 | 519.2 | 522.2 | 522.2 | 522.2 | 522.2 | 522.2 | 522.2 | 522.2 |
| 162.5° | 525.1 | 526.0 | 529.0 | 528.0 | 531.0 | 531.0 | 531.0 | 531.0 | 531.0 | 531.2 | 531.4 |
| 165° | 535.9 | 536.8 | 538.8 | 537.8 | 541.8 | 541.8 | 541.8 | 541.8 | 541.8 | 541.9 | 542.3 |
| 167.5° | 544.7 | 545.7 | 548.7 | 547.7 | 550.6 | 550.4 | 550.1 | 549.9 | 549.7 | 549.7 | 549.7 |
| 170° | 551.6 | 552.5 | 555.5 | 554.5 | 556.5 | 556.3 | 556.1 | 555.7 | 555.5 | 555.3 | 555.1 |
| 172.5° | 554.5 | 555.5 | 558.5 | 556.5 | 558.5 | 558.3 | 557.9 | 557.7 | 557.5 | 557.7 | 557.9 |
| 175° | 556.5 | 558.5 | 559.5 | 558.5 | 561.4 | 561.4 | 561.4 | 561.4 | 561.4 | 561.6 | 561.9 |
| 177.5° | 561.4 | 562.4 | 564.3 | 563.3 | 567.3 | 567.1 | 566.8 | 566.5 | 566.3 | 566.3 | 566.3 |
| 180° | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 |



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CATALOG NUMBER: ISS-AF-350-LED-E1-T2-7027-ULG

CANDELA DISTRIBUTION (continued):

| | 52.5° | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° | 75° | 77° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 271.0 | 271.0 | 271.0 | 271.0 | 271.0 | 271.0 | 271.0 | 271.0 | 271.0 | 271.0 | 271.0 |
| 2.5° | 282.7 | 284.0 | 281.3 | 281.3 | 277.8 | 279.9 | 276.5 | 277.1 | 273.7 | 275.2 | 275.2 |
| 5° | 296.4 | 297.0 | 293.6 | 292.2 | 288.7 | 288.7 | 285.4 | 285.4 | 280.6 | 282.0 | 280.6 |
| 7.5° | 309.4 | 309.4 | 306.0 | 303.2 | 299.8 | 298.3 | 294.3 | 292.2 | 288.1 | 287.4 | 285.4 |
| 10° | 320.2 | 320.2 | 315.5 | 312.7 | 308.7 | 306.6 | 301.1 | 299.0 | 294.3 | 290.8 | 288.7 |
| 12.5° | 334.0 | 332.6 | 327.2 | 324.4 | 317.6 | 316.8 | 308.7 | 307.3 | 300.4 | 298.3 | 294.9 |
| 15° | 350.4 | 351.8 | 342.8 | 342.2 | 332.6 | 331.9 | 321.0 | 320.2 | 310.1 | 309.4 | 304.5 |
| 17.5° | 368.1 | 370.9 | 363.4 | 362.6 | 351.1 | 351.1 | 338.0 | 337.3 | 323.7 | 323.0 | 316.8 |
| 20° | 383.9 | 387.3 | 382.6 | 383.9 | 373.7 | 374.3 | 360.0 | 360.0 | 340.7 | 339.4 | 334.0 |
| 22.5° | 398.3 | 405.1 | 401.0 | 408.5 | 398.3 | 403.1 | 383.9 | 387.3 | 364.7 | 361.9 | 353.8 |
| 25° | 412.6 | 421.6 | 420.1 | 432.5 | 425.0 | 433.3 | 413.3 | 420.1 | 390.8 | 392.8 | 381.9 |
| 27.5° | 427.1 | 438.6 | 437.3 | 455.1 | 452.4 | 468.7 | 451.7 | 459.2 | 427.1 | 429.1 | 416.7 |
| 30° | 450.9 | 464.0 | 459.2 | 477.7 | 477.7 | 504.4 | 491.4 | 503.1 | 467.4 | 471.5 | 457.1 |
| 32.5° | 483.2 | 498.2 | 483.8 | 507.8 | 506.5 | 541.3 | 531.1 | 550.9 | 516.0 | 521.5 | 503.7 |
| 35° | 518.1 | 541.9 | 518.7 | 545.5 | 541.3 | 577.6 | 570.7 | 602.9 | 565.9 | 572.1 | 554.3 |
| 37.5° | 563.9 | 592.6 | 561.8 | 585.2 | 566.7 | 608.4 | 604.3 | 648.0 | 610.5 | 626.2 | 605.0 |
| 40° | 617.9 | 640.5 | 602.2 | 622.1 | 591.3 | 634.5 | 627.6 | 687.7 | 652.9 | 678.2 | 659.1 |
| 42.5° | 667.9 | 683.7 | 633.0 | 657.6 | 620.7 | 664.5 | 652.2 | 724.8 | 694.6 | 733.6 | 712.4 |
| 45° | 713.1 | 731.0 | 663.8 | 691.2 | 650.1 | 698.1 | 676.9 | 760.3 | 739.8 | 798.6 | 777.4 |
| 47.5° | 777.4 | 751.4 | 691.9 | 727.4 | 681.6 | 734.4 | 706.2 | 802.1 | 794.6 | 878.0 | 853.4 |
| 50° | 756.2 | 773.4 | 715.1 | 752.2 | 710.4 | 774.7 | 743.9 | 852.0 | 854.1 | 964.2 | 949.9 |
| 52.5° | 758.3 | 786.9 | 732.9 | 784.3 | 743.9 | 830.8 | 798.6 | 912.2 | 921.8 | 1047.7 | 1027.9 |
| 55° | 770.6 | 813.0 | 759.7 | 828.8 | 791.0 | 893.1 | 870.5 | 977.3 | 993.6 | 1126.5 | 1114.8 |
| 57.5° | 801.4 | 860.3 | 805.5 | 895.8 | 856.8 | 964.2 | 943.7 | 1044.3 | 1066.8 | 1205.2 | 1201.8 |
| 60° | 919.8 | 989.6 | 893.7 | 993.6 | 941.6 | 1045.0 | 1017.6 | 1114.8 | 1137.3 | 1280.4 | 1289.2 |
| 62.5° | 1051.8 | 1173.0 | 1116.1 | 1220.2 | 1082.6 | 1187.3 | 1106.6 | 1201.8 | 1203.1 | 1361.1 | 1389.2 |
| 65° | 1086.1 | 1272.2 | 1320.8 | 1514.5 | 1442.6 | 1550.0 | 1334.5 | 1398.1 | 1315.9 | 1508.3 | 1548.7 |
| 67.5° | 1073.0 | 1300.9 | 1435.7 | 1654.0 | 1735.4 | 1923.0 | 1886.7 | 1864.8 | 1674.6 | 1812.8 | 1861.4 |
| 70° | 787.6 | 1029.3 | 1359.1 | 1580.8 | 1815.6 | 1938.7 | 2133.8 | 2153.7 | 2145.4 | 2126.3 | 2158.4 |
| 72.5° | 358.6 | 562.5 | 919.8 | 1173.0 | 1560.3 | 1643.1 | 1925.8 | 1920.3 | 2210.4 | 2138.5 | 2189.2 |
| 75° | 140.9 | 216.9 | 437.9 | 655.0 | 1079.2 | 1181.2 | 1501.4 | 1422.1 | 1784.1 | 1678.8 | 1786.8 |
| 77.5° | 77.3 | 97.2 | 164.2 | 281.3 | 589.2 | 643.3 | 919.1 | 786.4 | 1106.6 | 923.9 | 960.2 |
| 80° | 46.5 | 58.2 | 75.3 | 106.8 | 250.4 | 264.8 | 392.1 | 316.1 | 452.4 | 343.5 | 333.3 |
| 82.5° | 25.3 | 31.5 | 37.5 | 52.7 | 93.1 | 103.3 | 135.6 | 121.8 | 145.1 | 123.9 | 121.1 |
| 85° | 10.3 | 13.7 | 14.4 | 21.2 | 30.8 | 35.7 | 43.1 | 46.5 | 56.9 | 52.0 | 50.7 |
| 87.5° | 0.0 | 0.7 | 0.0 | 1.3 | 0.0 | 1.3 | 0.0 | 2.1 | 2.1 | 3.4 | 4.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 97.5° | 11.8 | 12.8 | 11.3 | 9.8 | 8.4 | 6.8 | 6.4 | 5.9 | 5.4 | 4.9 | 4.7 |
| 100° | 30.9 | 31.4 | 30.9 | 30.5 | 29.9 | 29.5 | 28.7 | 27.9 | 27.3 | 26.5 | 26.3 |
| 102.5° | 49.9 | 50.0 | 49.9 | 49.6 | 49.2 | 49.0 | 48.6 | 48.1 | 47.6 | 47.1 | 47.3 |
| 105° | 69.5 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.2 | 68.7 | 68.2 | 67.7 | 68.1 |
| 107.5° | 90.8 | 91.3 | 91.1 | 90.8 | 90.5 | 90.3 | 90.1 | 89.8 | 89.5 | 89.3 | 89.5 |
| 110° | 111.4 | 111.9 | 111.9 | 111.9 | 111.9 | 111.9 | 111.7 | 111.4 | 111.1 | 110.9 | 111.1 |



REPORT NUMBER: P271567

CATALOG NUMBER: ISS-AF-350-LED-E1-T2-7027-ULG

CANDELA DISTRIBUTION (continued):

| | 52.5° | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° | 75° | 77° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 132.9 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.3 | 132.9 | 132.7 | 132.5 | 132.9 |
| 115° | 154.6 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.5 |
| 117.5° | 176.4 | 176.7 | 176.9 | 177.1 | 177.4 | 177.7 | 177.4 | 177.1 | 176.9 | 176.7 | 177.1 |
| 120° | 199.7 | 200.2 | 200.2 | 200.2 | 200.2 | 200.2 | 200.2 | 200.2 | 200.2 | 200.2 | 200.6 |
| 122.5° | 223.6 | 223.8 | 223.8 | 223.8 | 223.8 | 223.8 | 223.9 | 224.3 | 224.6 | 224.8 | 225.6 |
| 125° | 248.1 | 248.3 | 248.5 | 248.8 | 249.1 | 249.3 | 249.3 | 249.3 | 249.3 | 249.3 | 249.9 |
| 127.5° | 272.4 | 272.8 | 272.6 | 272.4 | 272.1 | 271.8 | 272.1 | 272.4 | 272.6 | 272.8 | 273.4 |
| 130° | 294.9 | 295.5 | 295.5 | 295.5 | 295.5 | 295.5 | 295.6 | 295.9 | 296.2 | 296.4 | 297.0 |
| 132.5° | 318.2 | 319.0 | 319.0 | 319.0 | 319.0 | 319.0 | 319.2 | 319.4 | 319.8 | 320.0 | 320.5 |
| 135° | 340.7 | 341.5 | 341.5 | 341.5 | 341.5 | 341.5 | 341.7 | 342.1 | 342.3 | 342.5 | 343.0 |
| 137.5° | 361.7 | 362.2 | 362.2 | 362.2 | 362.2 | 362.2 | 362.4 | 362.6 | 362.9 | 363.2 | 363.9 |
| 140° | 382.6 | 382.8 | 382.8 | 382.8 | 382.8 | 382.8 | 383.3 | 383.8 | 384.3 | 384.7 | 385.6 |
| 142.5° | 403.9 | 404.3 | 404.3 | 404.3 | 404.3 | 404.3 | 404.6 | 404.9 | 405.1 | 405.3 | 405.9 |
| 145° | 425.4 | 426.0 | 425.8 | 425.4 | 425.2 | 425.0 | 425.2 | 425.4 | 425.8 | 426.0 | 426.5 |
| 147.5° | 445.4 | 445.6 | 445.1 | 444.6 | 444.1 | 443.7 | 443.9 | 444.1 | 444.4 | 444.6 | 445.2 |
| 150° | 462.1 | 462.3 | 461.8 | 461.3 | 460.8 | 460.3 | 460.3 | 460.3 | 460.3 | 460.3 | 461.1 |
| 152.5° | 477.8 | 478.0 | 477.8 | 477.4 | 477.2 | 477.0 | 477.0 | 477.0 | 477.0 | 477.0 | 477.6 |
| 155° | 494.4 | 494.7 | 494.4 | 494.2 | 493.9 | 493.7 | 493.9 | 494.2 | 494.4 | 494.7 | 495.2 |
| 157.5° | 509.4 | 509.4 | 508.9 | 508.4 | 507.9 | 507.5 | 507.6 | 507.9 | 508.2 | 508.4 | 509.4 |
| 160° | 522.2 | 522.2 | 521.6 | 521.2 | 520.7 | 520.2 | 520.2 | 520.2 | 520.2 | 520.2 | 520.7 |
| 162.5° | 531.8 | 532.0 | 531.4 | 531.0 | 530.4 | 530.0 | 529.6 | 529.0 | 528.6 | 528.0 | 528.5 |
| 165° | 542.6 | 542.8 | 541.9 | 541.3 | 540.6 | 539.8 | 539.3 | 538.8 | 538.4 | 537.8 | 538.3 |
| 167.5° | 549.7 | 549.7 | 549.1 | 548.7 | 548.1 | 547.7 | 547.9 | 548.1 | 548.4 | 548.7 | 549.4 |
| 170° | 554.7 | 554.5 | 554.3 | 554.1 | 553.7 | 553.5 | 554.1 | 554.5 | 555.1 | 555.5 | 556.5 |
| 172.5° | 558.3 | 558.5 | 557.9 | 557.5 | 556.9 | 556.5 | 556.7 | 556.9 | 557.3 | 557.5 | 558.0 |
| 175° | 562.2 | 562.4 | 561.6 | 560.9 | 560.3 | 559.5 | 558.9 | 558.5 | 557.9 | 557.5 | 558.0 |
| 177.5° | 566.3 | 566.3 | 565.6 | 564.9 | 564.1 | 563.3 | 563.3 | 563.3 | 563.3 | 563.3 | 564.0 |
| 180° | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 |



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CATALOG NUMBER: ISS-AF-350-LED-E1-T2-7027-ULG

CANDELA DISTRIBUTION (continued):

| | 77.5° | 80° | 82.5° | 85° | 87.5° | 90° | 95° | 100° | 102.5° | 105° | 107.5° |
|--------|--------|--------|--------|--------|--------|--------|-------|-------|--------|-------|--------|
| 0° | 271.0 | 271.0 | 271.0 | 271.0 | 271.0 | 271.0 | 271.0 | 271.0 | 271.0 | 271.0 | 271.0 |
| 2.5° | 273.1 | 275.2 | 272.4 | 272.4 | 269.0 | 271.0 | 269.0 | 266.9 | 263.5 | 264.1 | 259.4 |
| 5° | 277.8 | 279.2 | 275.8 | 274.4 | 272.4 | 271.6 | 267.5 | 263.5 | 258.7 | 258.7 | 253.2 |
| 7.5° | 282.7 | 282.7 | 277.8 | 277.8 | 273.1 | 271.6 | 265.4 | 258.7 | 251.9 | 251.2 | 242.9 |
| 10° | 285.4 | 284.8 | 278.6 | 278.6 | 271.6 | 271.0 | 263.5 | 253.2 | 243.6 | 240.8 | 229.2 |
| 12.5° | 290.8 | 290.2 | 282.7 | 281.3 | 272.4 | 272.4 | 261.5 | 247.8 | 234.1 | 229.2 | 212.8 |
| 15° | 297.7 | 298.3 | 289.4 | 287.4 | 277.1 | 276.5 | 261.5 | 240.8 | 222.4 | 214.9 | 195.0 |
| 17.5° | 308.7 | 309.4 | 297.0 | 294.9 | 282.7 | 280.6 | 262.1 | 232.8 | 206.7 | 198.4 | 180.6 |
| 20° | 323.0 | 321.0 | 304.5 | 303.9 | 287.4 | 285.4 | 261.5 | 220.4 | 190.9 | 182.7 | 166.9 |
| 22.5° | 340.7 | 338.8 | 317.6 | 315.5 | 296.4 | 292.8 | 260.8 | 207.4 | 176.6 | 167.6 | 157.5 |
| 25° | 365.4 | 362.6 | 336.8 | 334.0 | 310.1 | 304.5 | 260.1 | 193.7 | 164.2 | 157.5 | 151.3 |
| 27.5° | 396.2 | 390.8 | 359.3 | 356.5 | 324.4 | 317.6 | 257.4 | 178.0 | 151.9 | 147.1 | 144.4 |
| 30° | 433.3 | 428.4 | 388.0 | 383.9 | 343.5 | 334.7 | 254.6 | 163.5 | 143.0 | 140.9 | 138.9 |
| 32.5° | 477.0 | 472.1 | 422.9 | 418.1 | 368.1 | 355.2 | 249.8 | 151.9 | 137.5 | 137.5 | 134.8 |
| 35° | 522.8 | 518.7 | 460.7 | 457.1 | 395.5 | 378.5 | 243.6 | 141.7 | 132.8 | 132.8 | 130.1 |
| 37.5° | 563.9 | 567.3 | 501.6 | 498.9 | 422.9 | 401.7 | 236.8 | 134.8 | 128.6 | 127.3 | 124.5 |
| 40° | 608.4 | 616.6 | 539.9 | 541.9 | 451.7 | 426.3 | 228.6 | 129.4 | 123.9 | 122.5 | 121.8 |
| 42.5° | 653.6 | 669.2 | 580.3 | 587.9 | 480.4 | 451.7 | 222.4 | 125.9 | 121.8 | 119.0 | 118.4 |
| 45° | 709.8 | 732.3 | 630.3 | 644.6 | 513.9 | 482.5 | 220.4 | 121.8 | 115.6 | 112.3 | 110.2 |
| 47.5° | 779.5 | 809.6 | 691.9 | 708.3 | 558.5 | 519.4 | 224.5 | 120.5 | 111.6 | 107.4 | 103.3 |
| 50° | 862.2 | 891.0 | 765.1 | 771.9 | 608.4 | 559.8 | 233.4 | 122.5 | 110.2 | 104.0 | 97.8 |
| 52.5° | 949.9 | 971.8 | 842.4 | 835.0 | 660.4 | 599.5 | 243.6 | 123.2 | 106.8 | 100.6 | 93.1 |
| 55° | 1040.1 | 1052.5 | 914.3 | 894.4 | 707.7 | 639.1 | 257.4 | 122.5 | 104.0 | 97.2 | 87.6 |
| 57.5° | 1128.5 | 1132.7 | 978.0 | 958.9 | 754.1 | 686.5 | 274.4 | 120.5 | 99.9 | 93.1 | 82.8 |
| 60° | 1214.7 | 1221.5 | 1048.4 | 1030.6 | 804.8 | 747.3 | 299.0 | 117.0 | 94.4 | 89.7 | 78.7 |
| 62.5° | 1309.2 | 1331.7 | 1132.7 | 1135.4 | 874.6 | 842.4 | 345.6 | 112.8 | 88.9 | 83.5 | 72.5 |
| 65° | 1437.7 | 1524.1 | 1271.6 | 1335.8 | 1008.8 | 1021.7 | 434.6 | 101.3 | 81.5 | 74.6 | 67.0 |
| 67.5° | 1760.0 | 1854.6 | 1609.0 | 1634.9 | 1322.8 | 1245.5 | 490.7 | 86.2 | 71.9 | 67.0 | 62.3 |
| 70° | 2163.8 | 2096.1 | 1921.7 | 1764.2 | 1506.3 | 1280.4 | 431.8 | 72.5 | 63.6 | 60.9 | 58.2 |
| 72.5° | 2274.8 | 2031.9 | 1888.1 | 1652.1 | 1392.6 | 1116.9 | 330.6 | 62.3 | 56.9 | 55.4 | 53.4 |
| 75° | 1999.0 | 1647.2 | 1655.5 | 1312.5 | 1154.5 | 851.3 | 225.8 | 53.4 | 49.2 | 48.6 | 47.9 |
| 77.5° | 1278.4 | 846.6 | 1030.6 | 648.8 | 666.5 | 394.2 | 110.2 | 44.5 | 42.4 | 42.4 | 41.1 |
| 80° | 454.5 | 282.0 | 318.9 | 204.6 | 186.2 | 125.2 | 59.6 | 35.7 | 34.2 | 34.9 | 34.2 |
| 82.5° | 136.3 | 108.2 | 106.1 | 82.8 | 64.3 | 52.7 | 32.9 | 27.4 | 26.1 | 26.7 | 25.3 |
| 85° | 54.8 | 42.4 | 35.7 | 27.4 | 22.5 | 20.5 | 17.8 | 18.4 | 16.3 | 17.8 | 15.7 |
| 87.5° | 3.4 | 2.8 | 2.1 | 2.8 | 0.0 | 1.3 | 3.4 | 2.8 | 0.7 | 2.8 | 2.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 97.5° | 4.7 | 4.4 | 4.1 | 4.0 | 4.0 | 4.0 | 4.0 | 4.4 | 4.7 | 4.9 | 5.4 |
| 100° | 26.3 | 26.1 | 25.7 | 25.5 | 25.1 | 24.5 | 25.5 | 26.1 | 26.3 | 26.5 | 27.3 |
| 102.5° | 47.3 | 47.6 | 47.9 | 48.1 | 47.6 | 47.1 | 48.1 | 47.6 | 47.3 | 47.1 | 47.6 |
| 105° | 68.2 | 68.7 | 69.2 | 69.7 | 68.7 | 67.7 | 69.7 | 68.7 | 68.2 | 67.7 | 68.2 |
| 107.5° | 89.5 | 89.8 | 90.1 | 90.3 | 89.8 | 89.3 | 90.3 | 89.8 | 89.5 | 89.3 | 89.5 |
| 110° | 111.1 | 111.4 | 111.7 | 111.9 | 111.4 | 110.9 | 111.9 | 111.4 | 111.1 | 110.9 | 111.1 |



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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

| | 77.5° | 80° | 82.5° | 85° | 87.5° | 90° | 95° | 100° | 102.5° | 105° | 107.5° | |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|--------|--------|
| 112.5° | 132.9 | 133.5 | 133.9 | 134.5 | 133.5 | 132.5 | 134.5 | 133.5 | 132.9 | 132.5 | 132.7 | 0° |
| 115° | 155.6 | 156.0 | 156.6 | 157.0 | 156.6 | 156.0 | 157.0 | 156.0 | 155.6 | 155.0 | 155.0 | 2.5° |
| 117.5° | 177.1 | 177.7 | 178.1 | 178.7 | 177.7 | 176.7 | 178.7 | 177.7 | 177.1 | 176.7 | 176.9 | 5° |
| 120° | 200.7 | 201.2 | 201.7 | 202.2 | 201.2 | 200.2 | 202.2 | 201.2 | 200.7 | 200.2 | 200.2 | 7.5° |
| 122.5° | 225.7 | 226.7 | 227.7 | 228.7 | 228.2 | 227.7 | 228.7 | 226.7 | 225.7 | 224.8 | 224.6 | 10° |
| 125° | 250.1 | 250.8 | 251.4 | 252.2 | 251.7 | 251.3 | 252.2 | 250.8 | 250.1 | 249.3 | 249.3 | 12.5° |
| 127.5° | 273.6 | 274.3 | 275.0 | 275.8 | 274.3 | 272.8 | 275.8 | 274.3 | 273.6 | 272.8 | 272.6 | 15° |
| 130° | 297.2 | 297.9 | 298.6 | 299.3 | 298.3 | 297.4 | 299.3 | 297.9 | 297.2 | 296.4 | 296.2 | 17.5° |
| 132.5° | 320.8 | 321.4 | 322.1 | 322.9 | 322.0 | 321.0 | 322.9 | 321.4 | 320.8 | 320.0 | 319.8 | 20° |
| 135° | 343.1 | 343.5 | 344.1 | 344.5 | 344.1 | 343.5 | 344.5 | 343.5 | 343.1 | 342.5 | 342.3 | 22.5° |
| 137.5° | 364.2 | 365.1 | 366.1 | 367.0 | 366.1 | 365.1 | 367.0 | 365.1 | 364.2 | 363.2 | 362.9 | 25° |
| 140° | 385.7 | 386.7 | 387.7 | 388.7 | 387.7 | 386.7 | 388.7 | 386.7 | 385.7 | 384.7 | 384.3 | 27.5° |
| 142.5° | 406.1 | 406.8 | 407.5 | 408.3 | 407.8 | 407.3 | 408.3 | 406.8 | 406.1 | 405.3 | 405.1 | 30° |
| 145° | 426.8 | 427.4 | 428.1 | 428.9 | 428.0 | 427.0 | 428.9 | 427.4 | 426.8 | 426.0 | 425.8 | 32.5° |
| 147.5° | 445.4 | 446.1 | 446.7 | 447.5 | 446.1 | 444.6 | 447.5 | 446.1 | 445.4 | 444.6 | 444.4 | 35° |
| 150° | 461.3 | 462.3 | 463.3 | 464.2 | 462.8 | 461.3 | 464.2 | 462.3 | 461.3 | 460.3 | 460.3 | 37.5° |
| 152.5° | 477.8 | 478.4 | 479.2 | 480.0 | 478.4 | 477.0 | 480.0 | 478.4 | 477.8 | 477.0 | 477.0 | 40° |
| 155° | 495.4 | 496.1 | 496.9 | 497.6 | 496.7 | 495.7 | 497.6 | 496.1 | 495.4 | 494.7 | 494.4 | 42.5° |
| 157.5° | 509.6 | 510.9 | 512.1 | 513.3 | 511.9 | 510.3 | 513.3 | 510.9 | 509.6 | 508.4 | 508.2 | 45° |
| 160° | 520.9 | 521.6 | 522.4 | 523.2 | 522.2 | 521.2 | 523.2 | 521.6 | 520.9 | 520.2 | 520.2 | 47.5° |
| 162.5° | 528.6 | 529.0 | 529.6 | 530.0 | 528.6 | 527.0 | 530.0 | 529.0 | 528.6 | 528.0 | 528.6 | 50° |
| 165° | 538.4 | 538.8 | 539.3 | 539.8 | 538.8 | 537.8 | 539.8 | 538.8 | 538.4 | 537.8 | 538.4 | 52.5° |
| 167.5° | 549.7 | 550.6 | 551.6 | 552.5 | 551.6 | 550.6 | 552.5 | 550.6 | 549.7 | 548.7 | 548.4 | 55° |
| 170° | 556.7 | 557.9 | 559.3 | 560.5 | 559.5 | 558.5 | 560.5 | 557.9 | 556.7 | 555.5 | 555.1 | 57.5° |
| 172.5° | 558.3 | 558.9 | 559.6 | 560.5 | 558.9 | 557.5 | 560.5 | 558.9 | 558.3 | 557.5 | 557.3 | 60° |
| 175° | 558.3 | 558.9 | 559.6 | 560.5 | 558.9 | 557.5 | 560.5 | 558.9 | 558.3 | 557.5 | 557.9 | 62.5° |
| 177.5° | 564.1 | 564.9 | 565.6 | 566.3 | 564.9 | 563.3 | 566.3 | 564.9 | 564.1 | 563.3 | 563.3 | 65° |
| 180° | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 67.5° |
| | | | | | | | | | | | | 70° |
| | | | | | | | | | | | | 72.5° |
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| | | | | | | | | | | | | 107.5° |
| | | | | | | | | | | | | 110° |

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 NUMBER: ISS-AF-350-LED-E1-T2-7027-ULG

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

| 110° | 112.5° | 115° | 117.5° | 120° | 122.5° | 125° | 127.5° | 130° | 135° | 145° | 110° | |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|-------|-------|--------|-------|
| 271.0 | 271.0 | 271.0 | 271.0 | 271.0 | 271.0 | 271.0 | 271.0 | 271.0 | 271.0 | 271.0 | 112.5° | 132.9 |
| 262.8 | 258.0 | 260.1 | 258.0 | 259.4 | 255.3 | 256.6 | 253.2 | 253.2 | 252.5 | 249.1 | 115° | 155.0 |
| 254.0 | 249.1 | 248.4 | 243.6 | 244.2 | 238.8 | 238.1 | 232.0 | 232.0 | 226.6 | 216.2 | 117.5° | 177.1 |
| 241.6 | 234.1 | 233.4 | 223.8 | 223.0 | 215.5 | 212.8 | 206.0 | 205.4 | 199.2 | 193.0 | 120° | 200.2 |
| 225.8 | 214.2 | 212.2 | 199.9 | 200.5 | 192.2 | 191.6 | 186.8 | 186.8 | 184.2 | 184.2 | 122.5° | 224.3 |
| 208.0 | 195.0 | 193.7 | 184.2 | 184.8 | 179.3 | 180.0 | 177.2 | 178.7 | 180.0 | 184.8 | 125° | 249.3 |
| 191.6 | 181.4 | 180.0 | 173.8 | 174.5 | 173.1 | 175.2 | 175.2 | 177.2 | 180.6 | 188.8 | 127.5° | 272.4 |
| 178.0 | 169.0 | 169.7 | 166.9 | 169.7 | 169.0 | 173.1 | 172.5 | 176.6 | 180.6 | 190.9 | 130° | 295.9 |
| 165.6 | 160.9 | 162.9 | 162.2 | 165.6 | 165.6 | 169.0 | 169.7 | 173.1 | 178.7 | 190.2 | 132.5° | 319.4 |
| 157.5 | 156.0 | 158.1 | 158.1 | 160.9 | 161.5 | 164.9 | 166.9 | 169.0 | 174.5 | 184.8 | 135° | 342.1 |
| 152.6 | 151.9 | 154.0 | 154.7 | 156.8 | 157.5 | 160.9 | 160.9 | 164.2 | 167.6 | 173.1 | 137.5° | 362.6 |
| 145.7 | 144.4 | 147.1 | 147.1 | 149.8 | 149.2 | 153.3 | 151.9 | 155.4 | 156.8 | 158.1 | 140° | 383.8 |
| 140.9 | 138.9 | 140.9 | 140.2 | 142.3 | 140.2 | 142.3 | 140.2 | 142.3 | 142.3 | 140.2 | 142.5° | 404.9 |
| 136.3 | 134.2 | 134.8 | 132.1 | 134.2 | 131.4 | 132.1 | 129.4 | 130.7 | 129.4 | 130.1 | 145° | 425.4 |
| 131.4 | 128.6 | 128.6 | 125.2 | 125.2 | 121.8 | 123.2 | 120.5 | 123.2 | 125.2 | 124.5 | 147.5° | 444.1 |
| 124.5 | 122.5 | 122.5 | 119.7 | 121.1 | 119.7 | 122.5 | 121.1 | 121.8 | 119.0 | 114.3 | 150° | 460.3 |
| 120.5 | 121.8 | 121.1 | 123.2 | 121.8 | 119.7 | 117.7 | 113.5 | 112.8 | 111.6 | 108.9 | 152.5° | 477.0 |
| 114.3 | 115.6 | 112.3 | 114.9 | 112.8 | 113.5 | 112.3 | 110.2 | 108.9 | 107.4 | 104.7 | 155° | 494.2 |
| 105.4 | 105.4 | 102.7 | 106.8 | 104.7 | 108.9 | 107.4 | 107.4 | 106.1 | 104.0 | 102.0 | 157.5° | 507.9 |
| 97.8 | 98.5 | 95.8 | 99.3 | 97.8 | 103.3 | 102.7 | 104.7 | 104.7 | 103.3 | 97.8 | 160° | 520.2 |
| 93.1 | 91.6 | 89.7 | 93.1 | 92.3 | 97.2 | 97.8 | 102.0 | 101.3 | 102.0 | 97.2 | 162.5° | 529.0 |
| 88.9 | 86.2 | 84.2 | 86.2 | 86.2 | 90.3 | 91.6 | 96.5 | 97.2 | 98.5 | 95.8 | 165° | 538.8 |
| 84.2 | 80.8 | 79.4 | 80.8 | 80.8 | 84.9 | 87.0 | 90.3 | 92.3 | 96.5 | 95.1 | 167.5° | 548.1 |
| 80.1 | 75.3 | 73.9 | 75.3 | 76.0 | 80.1 | 82.1 | 85.6 | 88.2 | 93.7 | 93.1 | 170° | 554.5 |
| 75.3 | 71.1 | 69.8 | 71.9 | 72.5 | 76.6 | 78.7 | 82.1 | 84.2 | 90.3 | 90.3 | 172.5° | 556.9 |
| 69.8 | 66.4 | 66.4 | 67.0 | 68.5 | 72.5 | 73.9 | 78.7 | 79.4 | 87.0 | 87.6 | 175° | 558.5 |
| 64.9 | 62.9 | 62.9 | 63.6 | 64.9 | 68.5 | 69.1 | 73.9 | 74.6 | 82.1 | 84.2 | 177.5° | 563.3 |
| 60.9 | 59.6 | 59.6 | 60.3 | 60.9 | 63.6 | 64.3 | 69.1 | 70.4 | 77.3 | 80.8 | 180° | 565.3 |
| 56.9 | 55.4 | 54.8 | 54.8 | 56.9 | 58.9 | 60.3 | 64.9 | 65.7 | 71.9 | 76.0 | | |
| 52.0 | 50.7 | 50.7 | 49.9 | 52.0 | 53.4 | 56.1 | 58.9 | 60.3 | 66.4 | 69.1 | | |
| 47.3 | 45.8 | 45.8 | 45.2 | 46.5 | 49.2 | 49.9 | 52.7 | 53.4 | 58.9 | 61.6 | | |
| 41.1 | 39.6 | 39.6 | 39.6 | 41.1 | 41.7 | 42.4 | 45.2 | 46.5 | 51.3 | 54.1 | | |
| 34.2 | 32.9 | 33.6 | 32.9 | 34.9 | 32.2 | 34.2 | 37.0 | 38.3 | 41.1 | 39.6 | | |
| 26.1 | 24.0 | 24.6 | 24.6 | 25.3 | 23.3 | 24.6 | 26.1 | 27.4 | 29.5 | 28.7 | | |
| 16.3 | 14.4 | 15.7 | 14.4 | 15.7 | 13.7 | 15.0 | 15.0 | 16.3 | 15.0 | 14.4 | | |
| 3.4 | 1.3 | 3.4 | 1.3 | 4.1 | 0.0 | 2.1 | 0.0 | 1.3 | 0.7 | 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 | | |
| 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | |
| 5.9 | 6.4 | 6.8 | 8.4 | 9.8 | 11.3 | 12.8 | 11.8 | 10.8 | 8.8 | 4.0 | | |
| 27.9 | 28.7 | 29.5 | 29.9 | 30.5 | 30.9 | 31.4 | 30.9 | 30.5 | 29.5 | 21.6 | | |
| 48.1 | 48.6 | 49.0 | 49.2 | 49.6 | 49.9 | 50.0 | 49.9 | 49.6 | 49.0 | 44.2 | | |
| 68.7 | 69.2 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.5 | 69.2 | 68.7 | 64.8 | | |
| 89.8 | 90.1 | 90.3 | 90.5 | 90.8 | 91.1 | 91.3 | 90.8 | 90.3 | 89.3 | 86.3 | | |
| 111.4 | 111.7 | 111.9 | 111.9 | 111.9 | 111.9 | 111.9 | 111.4 | 110.9 | 110.0 | 108.0 | | |

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 CATALOG NUMBER: ISS-AF-350

TION (continued):

CANDELA DISTRIBUTION (con

| 112.5° | 115° | 117.5° | 120° | 122.5° | 125° | 127.5° | 130° | 135° | 145° | | 155° | 165° |
|--------|-------|--------|-------|--------|-------|--------|-------|-------|-------|--------|-------|-------|
| 133.3 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 132.9 | 132.5 | 131.5 | 129.5 | 0° | 271.0 | 271.0 |
| 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 154.6 | 154.1 | 153.1 | 151.2 | 2.5° | 245.7 | 242.9 |
| 177.4 | 177.7 | 177.4 | 177.1 | 176.9 | 176.7 | 176.4 | 176.2 | 175.7 | 173.7 | 5° | 210.8 | 206.0 |
| 200.2 | 200.2 | 200.2 | 200.2 | 200.2 | 200.2 | 199.7 | 199.2 | 198.3 | 197.3 | 7.5° | 189.5 | 188.1 |
| 223.9 | 223.8 | 223.8 | 223.8 | 223.8 | 223.8 | 223.6 | 223.3 | 222.8 | 221.8 | 10° | 185.5 | 187.5 |
| 249.3 | 249.3 | 249.1 | 248.8 | 248.5 | 248.3 | 248.1 | 247.8 | 247.3 | 246.3 | 12.5° | 190.2 | 193.7 |
| 272.1 | 271.8 | 272.1 | 272.4 | 272.6 | 272.8 | 272.4 | 271.8 | 270.9 | 269.0 | 15° | 196.4 | 202.6 |
| 295.6 | 295.5 | 295.5 | 295.5 | 295.5 | 295.5 | 294.9 | 294.5 | 293.5 | 292.5 | 17.5° | 201.2 | 209.5 |
| 319.2 | 319.0 | 319.0 | 319.0 | 319.0 | 319.0 | 318.2 | 317.6 | 316.0 | 315.0 | 20° | 201.8 | 210.1 |
| 341.7 | 341.5 | 341.5 | 341.5 | 341.5 | 341.5 | 340.7 | 340.1 | 338.6 | 338.6 | 22.5° | 195.7 | 201.2 |
| 362.4 | 362.2 | 362.2 | 362.2 | 362.2 | 362.2 | 361.7 | 361.2 | 360.2 | 360.2 | 25° | 180.0 | 182.7 |
| 383.3 | 382.8 | 382.8 | 382.8 | 382.8 | 382.8 | 382.6 | 382.3 | 381.8 | 380.8 | 27.5° | 160.2 | 159.4 |
| 404.6 | 404.3 | 404.3 | 404.3 | 404.3 | 404.3 | 403.9 | 403.4 | 402.4 | 402.4 | 30° | 139.6 | 138.2 |
| 425.2 | 425.0 | 425.2 | 425.4 | 425.8 | 426.0 | 425.4 | 425.0 | 424.0 | 423.0 | 32.5° | 132.1 | 127.3 |
| 443.9 | 443.7 | 444.1 | 444.6 | 445.1 | 445.6 | 445.4 | 445.1 | 444.6 | 443.7 | 35° | 120.5 | 119.0 |
| 460.3 | 460.3 | 460.8 | 461.3 | 461.8 | 462.3 | 462.1 | 461.8 | 461.3 | 460.3 | 37.5° | 116.3 | 128.0 |
| 477.0 | 477.0 | 477.2 | 477.4 | 477.8 | 478.0 | 477.8 | 477.4 | 477.0 | 476.0 | 40° | 111.6 | 125.9 |
| 493.9 | 493.7 | 493.9 | 494.2 | 494.4 | 494.7 | 494.4 | 494.2 | 493.7 | 493.7 | 42.5° | 107.4 | 115.6 |
| 507.6 | 507.5 | 507.9 | 508.4 | 508.9 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 45° | 99.9 | 103.3 |
| 520.2 | 520.2 | 520.7 | 521.2 | 521.6 | 522.2 | 522.2 | 522.2 | 522.2 | 522.2 | 47.5° | 96.5 | 95.1 |
| 529.6 | 530.0 | 530.4 | 531.0 | 531.4 | 532.0 | 531.8 | 531.4 | 531.0 | 531.0 | 50° | 93.7 | 93.7 |
| 539.3 | 539.8 | 540.6 | 541.3 | 541.9 | 542.8 | 542.6 | 542.3 | 541.8 | 541.8 | 52.5° | 91.6 | 90.3 |
| 547.9 | 547.7 | 548.1 | 548.7 | 549.1 | 549.7 | 549.7 | 549.7 | 549.7 | 550.6 | 55° | 88.9 | 87.6 |
| 554.1 | 553.5 | 553.7 | 554.1 | 554.3 | 554.5 | 554.7 | 555.1 | 555.5 | 556.5 | 57.5° | 87.0 | 83.5 |
| 556.7 | 556.5 | 556.9 | 557.5 | 557.9 | 558.5 | 558.3 | 557.9 | 557.5 | 558.5 | 60° | 84.9 | 81.5 |
| 558.9 | 559.5 | 560.3 | 560.9 | 561.6 | 562.4 | 562.2 | 561.9 | 561.4 | 561.4 | 62.5° | 83.5 | 79.4 |
| 563.3 | 563.3 | 564.1 | 564.9 | 565.6 | 566.3 | 566.3 | 566.3 | 566.3 | 567.3 | 65° | 81.5 | 77.3 |
| 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 67.5° | 78.7 | 73.2 |
| | | | | | | | | | | 70° | 73.2 | 68.5 |
| | | | | | | | | | | 72.5° | 67.7 | 62.3 |
| | | | | | | | | | | 75° | 59.6 | 54.8 |
| | | | | | | | | | | 77.5° | 49.9 | 44.5 |
| | | | | | | | | | | 80° | 37.5 | 34.2 |
| | | | | | | | | | | 82.5° | 27.4 | 23.3 |
| | | | | | | | | | | 85° | 12.4 | 8.9 |
| | | | | | | | | | | 87.5° | 0.0 | 0.0 |
| | | | | | | | | | | 90° | 0.0 | 0.0 |
| | | | | | | | | | | 92.5° | 0.0 | 0.0 |
| | | | | | | | | | | 95° | 1.0 | 1.0 |
| | | | | | | | | | | 97.5° | 3.0 | 2.0 |
| | | | | | | | | | | 100° | 13.7 | 9.8 |
| | | | | | | | | | | 102.5° | 37.3 | 31.4 |
| | | | | | | | | | | 105° | 59.8 | 55.0 |
| | | | | | | | | | | 107.5° | 82.5 | 78.5 |
| | | | | | | | | | | 110° | 104.0 | 101.1 |



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tinued):

| 175° | 180° |
|-------|-------|
| 271.0 | 271.0 |
| 241.6 | 240.8 |
| 204.6 | 203.3 |
| 188.1 | 187.5 |
| 188.1 | 188.1 |
| 196.4 | 196.4 |
| 206.0 | 206.0 |
| 212.8 | 213.4 |
| 214.9 | 215.5 |
| 204.6 | 204.6 |
| 184.8 | 184.8 |
| 158.8 | 161.5 |
| 135.6 | 138.2 |
| 120.5 | 122.5 |
| 115.6 | 116.3 |
| 127.3 | 128.0 |
| 125.2 | 126.6 |
| 107.4 | 108.2 |
| 96.5 | 96.5 |
| 92.3 | 91.6 |
| 92.3 | 91.0 |
| 95.1 | 94.4 |
| 91.0 | 91.0 |
| 88.9 | 88.9 |
| 87.0 | 87.0 |
| 86.2 | 85.6 |
| 86.2 | 84.9 |
| 84.9 | 82.8 |
| 80.1 | 74.6 |
| 68.5 | 63.6 |
| 55.4 | 54.8 |
| 43.1 | 43.7 |
| 32.9 | 32.9 |
| 24.0 | 19.9 |
| 6.8 | 6.8 |
| 0.0 | 0.0 |
| 0.0 | 0.0 |
| 0.0 | 0.0 |
| 1.0 | 1.0 |
| 2.0 | 2.0 |
| 7.8 | 7.8 |
| 27.5 | 27.5 |
| 53.0 | 53.0 |
| 75.5 | 76.5 |
| 100.1 | 99.2 |

CANDELA DISTRIBUTION (continued):

| | 155° | 165° | 175° |
|--------|-------|-------|-------|
| 112.5° | 126.6 | 123.7 | 121.7 |
| 115° | 148.2 | 146.2 | 144.3 |
| 117.5° | 170.8 | 168.8 | 166.8 |
| 120° | 194.3 | 192.3 | 191.4 |
| 122.5° | 218.8 | 216.9 | 216.0 |
| 125° | 243.4 | 242.5 | 241.5 |
| 127.5° | 267.0 | 265.0 | 264.0 |
| 130° | 288.5 | 287.5 | 286.6 |
| 132.5° | 312.1 | 311.2 | 308.2 |
| 135° | 334.7 | 332.7 | 330.8 |
| 137.5° | 357.3 | 356.3 | 353.3 |
| 140° | 378.8 | 377.8 | 375.9 |
| 142.5° | 399.5 | 400.5 | 398.5 |
| 145° | 420.0 | 420.0 | 418.1 |
| 147.5° | 439.7 | 438.7 | 435.8 |
| 150° | 456.4 | 455.4 | 453.5 |
| 152.5° | 473.0 | 474.0 | 471.1 |
| 155° | 491.7 | 492.7 | 490.7 |
| 157.5° | 506.5 | 507.5 | 505.5 |
| 160° | 519.2 | 519.2 | 517.2 |
| 162.5° | 528.0 | 529.0 | 526.0 |
| 165° | 537.8 | 538.8 | 536.8 |
| 167.5° | 547.7 | 548.7 | 545.7 |
| 170° | 554.5 | 555.5 | 552.5 |
| 172.5° | 556.5 | 558.5 | 555.5 |
| 175° | 558.5 | 559.5 | 558.5 |
| 177.5° | 563.3 | 564.3 | 562.4 |
| 180° | 565.3 | 565.3 | 565.3 |

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| <u>180°</u> |
|-------------|
| 121.7 |
| 143.3 |
| 165.8 |
| 189.5 |
| 215.0 |
| 239.5 |
| 262.0 |
| 284.7 |
| 307.2 |
| 329.8 |
| 352.3 |
| 375.0 |
| 396.5 |
| 417.2 |
| 435.8 |
| 452.5 |
| 470.2 |
| 489.8 |
| 503.5 |
| 515.3 |
| 525.1 |
| 535.9 |
| 544.7 |
| 551.6 |
| 554.5 |
| 556.5 |
| 561.4 |
| 565.3 |

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