

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: P227545

Luminaire Tested: **ISS-AF-350-LED-E1-T2-7030-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P227545
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-T2-7030-ULG
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II, WITH UPLIGHT GLOW
Light Source: (16) 3000K CCT, 70 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3494.2 lumens
Efficiency: N/A
Efficacy: 95.0 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

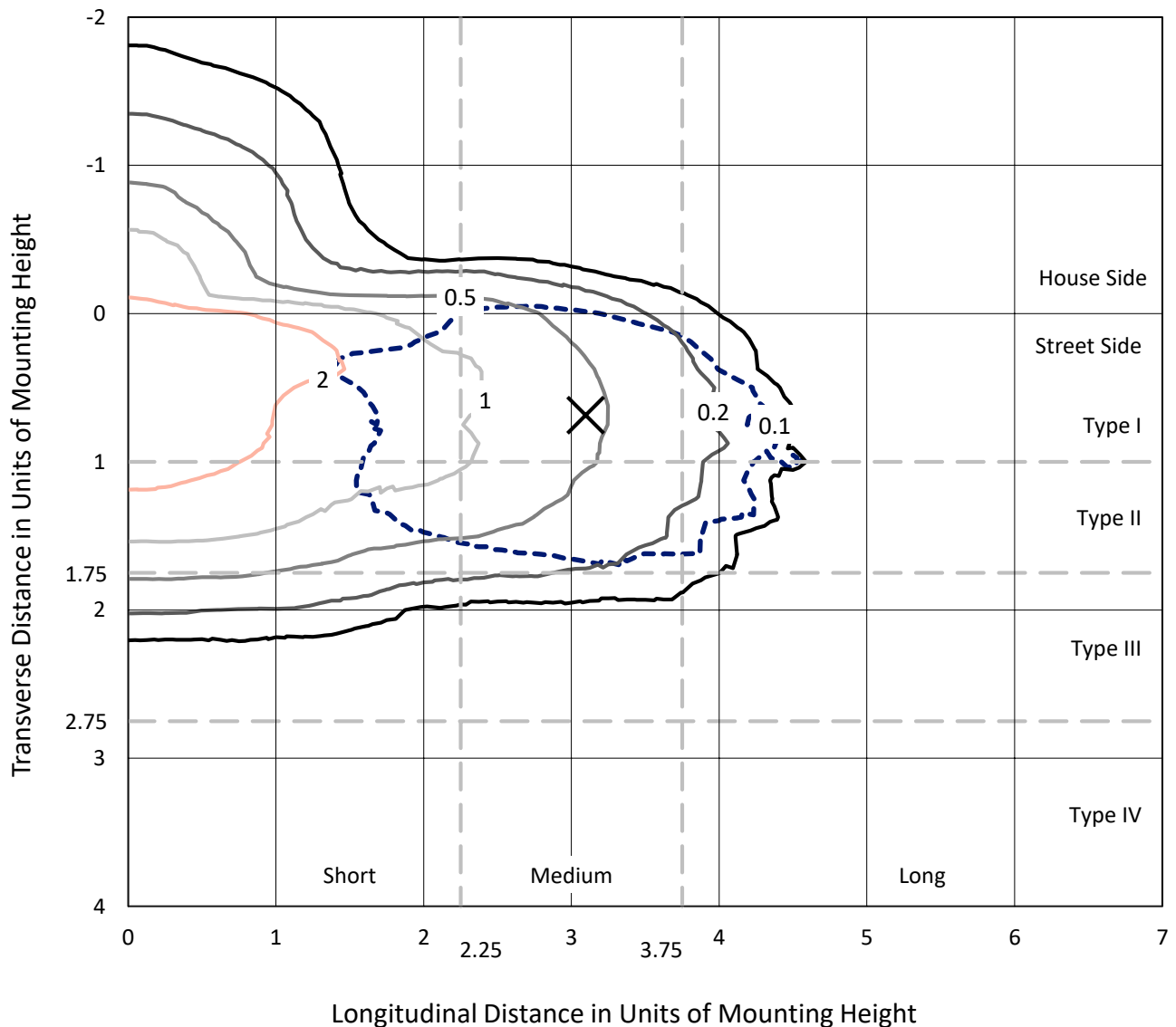
Input Watts (W): 36.79
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

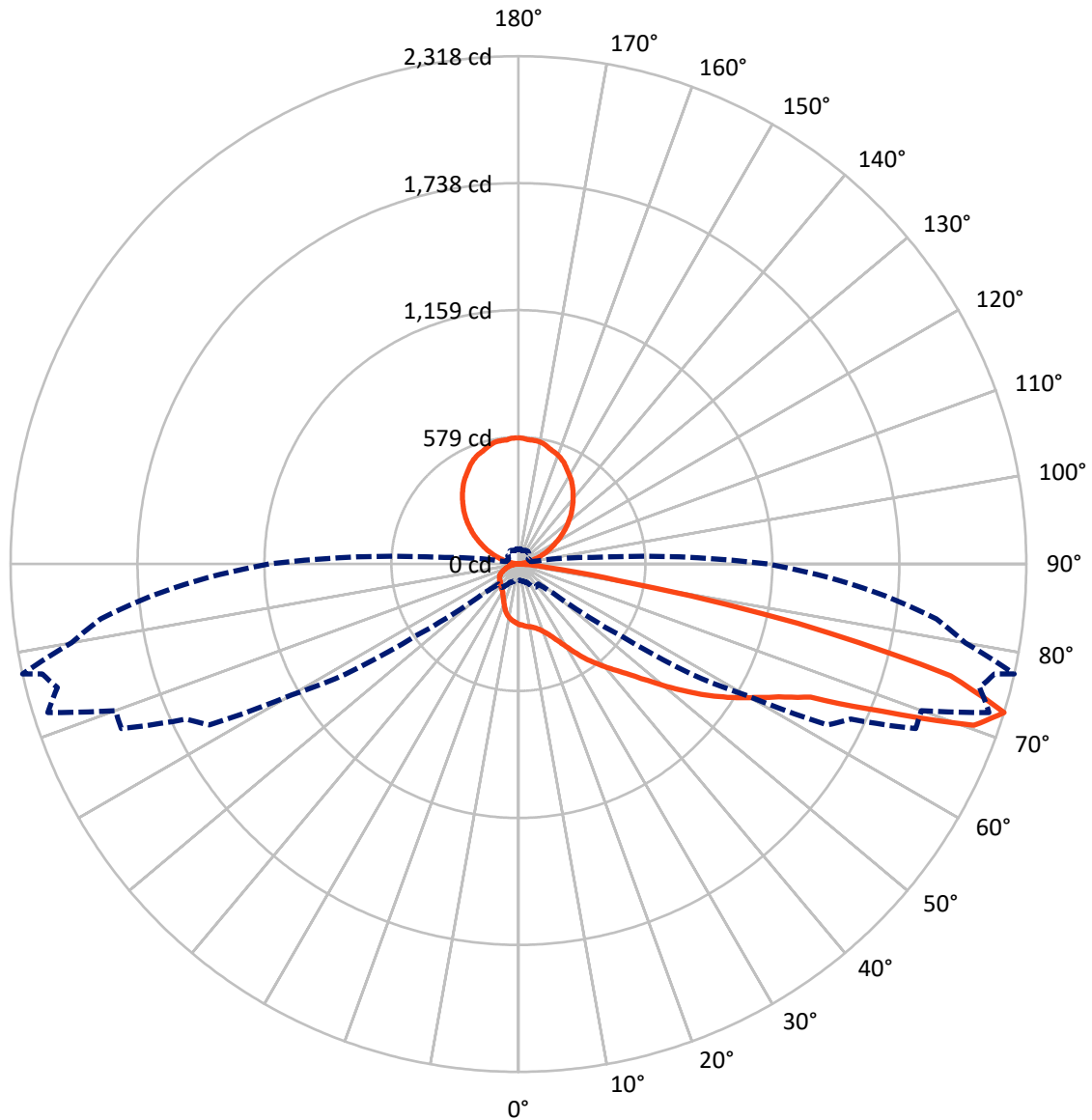
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.4 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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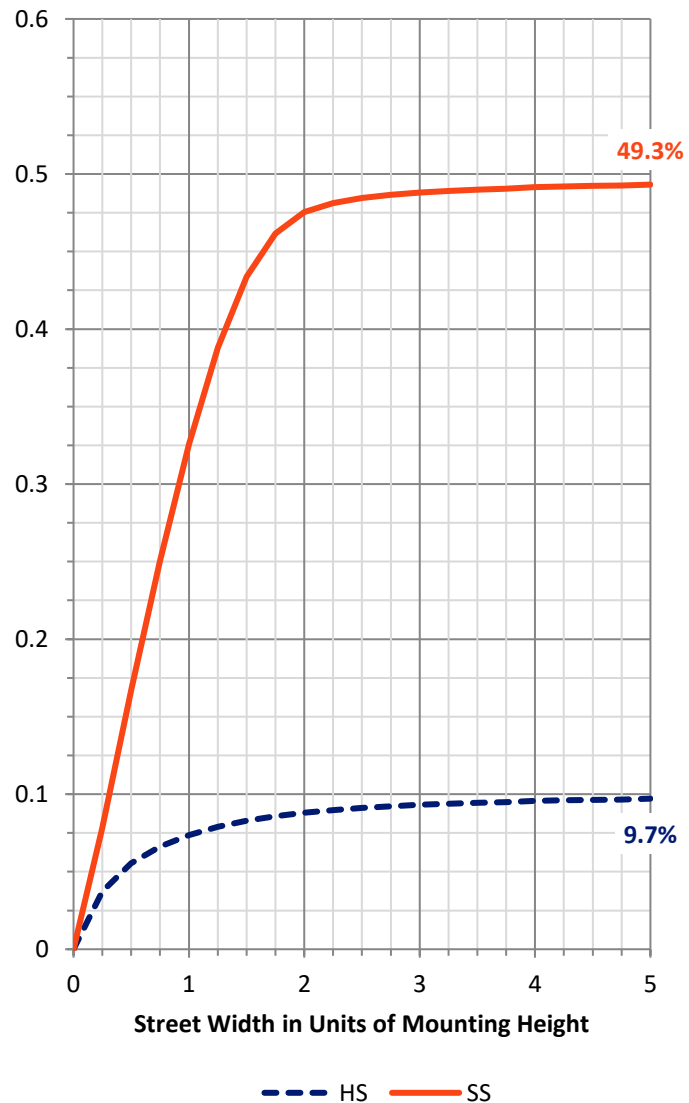
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 342.7 | 713.1 | 1055.8 |
| | % Fixture | 9.8 | 20.4 | 30.2 |
| Street Side | Lumens | 1725.3 | 713.1 | 2438.4 |
| | % Fixture | 49.4 | 20.4 | 69.8 |
| Total | Lumens | 2068.0 | 1426.2 | 3494.2 |
| | % Fixture | 59.2 | 40.8 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 25.6 | 0.7 |
| 10°-20° | 78.6 | 2.3 |
| 20°-30° | 139.6 | 4.0 |
| 30°-40° | 221.2 | 6.3 |
| 40°-50° | 331.8 | 9.5 |
| 50°-60° | 430.0 | 12.3 |
| 60°-70° | 488.6 | 14.0 |
| 70°-80° | 324.2 | 9.3 |
| 80°-90° | 28.4 | 0.8 |
| 90°-100° | 4.7 | 0.1 |
| 100°-110° | 69.0 | 2.0 |
| 110°-120° | 153.0 | 4.4 |
| 120°-130° | 223.9 | 6.4 |
| 130°-140° | 265.6 | 7.6 |
| 140°-150° | 269.3 | 7.7 |
| 150°-160° | 231.1 | 6.6 |
| 160°-170° | 155.1 | 4.4 |
| 170°-180° | 54.3 | 1.6 |
| 0°-90° | 2068.0 | 59.2 |
| 0°-180° | 3494.2 | 100.0 |



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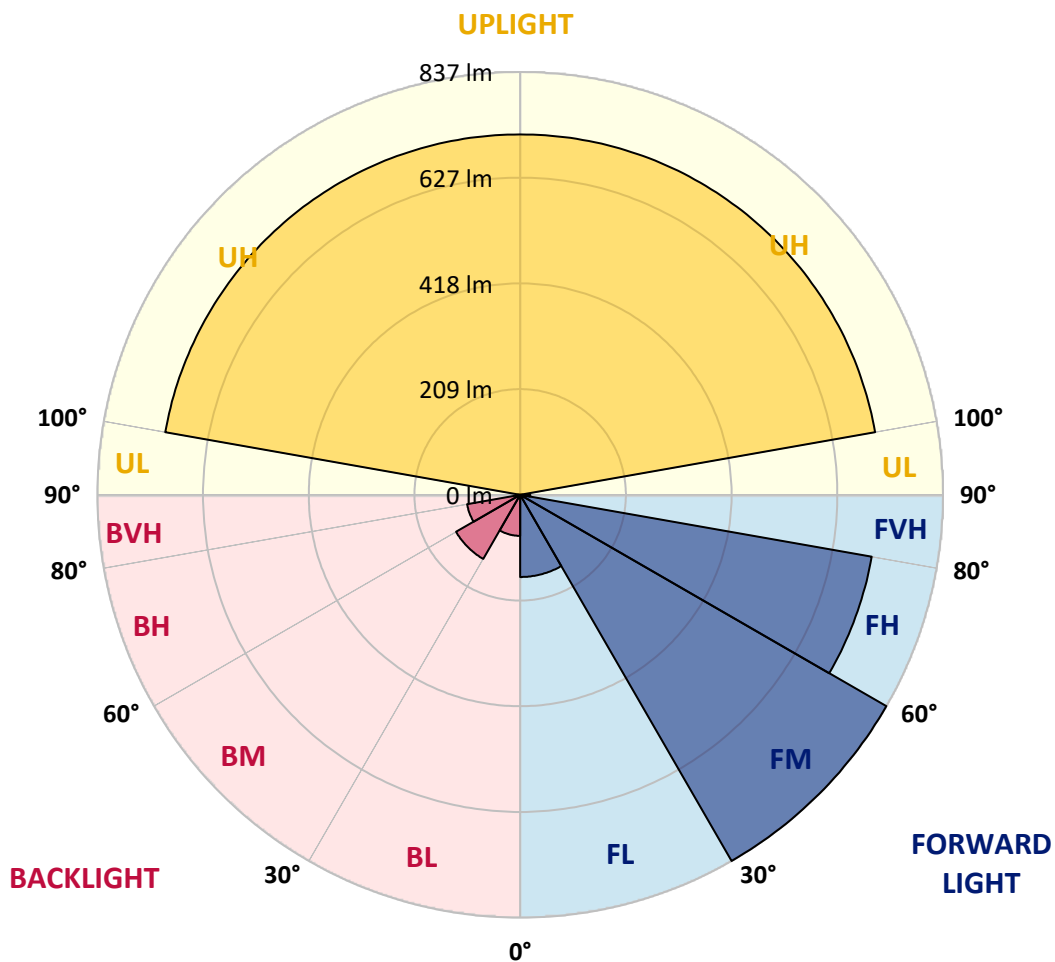
CATALOG NUMBER: ISS-AF-350-LED-E1-T2-7030-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|---------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 162.7 | 4.7 | | | |
| FM | (30°-60°) | 836.6 | 23.9 | | | |
| FH | (60°-80°) | 706.2 | 20.2 | | | G1/1800 |
| FVH | (80°-90°) | 19.8 | 0.6 | | | G1/100 |
| BL | (0°-30°) | 81.2 | 2.3 | B0/110 | | |
| BM | (30°-60°) | 146.4 | 4.2 | B0/220 | | |
| BH | (60°-80°) | 106.6 | 3.0 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 8.5 | 0.2 | | | G0/10 |
| UL | (90°-100°) | 4.7 | 0.1 | | U1/10 | |
| UH | (100°-180°) | 713.1 | 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° | 276.1 | 276.1 | 276.1 | 276.1 | 276.1 | 276.1 | 276.1 | 276.1 | 276.1 | 276.1 | 276.1 |
| 2.5° | 299.1 | 297.7 | 297.0 | 295.6 | 294.2 | 293.5 | 291.5 | 290.1 | 292.2 | 291.5 | 291.5 |
| 5° | 321.4 | 320.0 | 317.9 | 315.9 | 313.1 | 311.0 | 308.9 | 306.8 | 308.2 | 306.8 | 305.4 |
| 7.5° | 339.6 | 338.2 | 335.4 | 333.3 | 330.5 | 327.7 | 324.9 | 324.2 | 322.8 | 320.7 | 320.0 |
| 10° | 350.0 | 348.6 | 347.2 | 345.8 | 341.7 | 339.6 | 336.1 | 334.0 | 334.7 | 331.9 | 331.9 |
| 12.5° | 359.8 | 358.4 | 357.7 | 357.7 | 354.2 | 352.1 | 350.7 | 348.6 | 350.0 | 345.8 | 344.4 |
| 15° | 368.8 | 367.5 | 365.4 | 367.5 | 366.8 | 366.1 | 365.4 | 364.7 | 366.8 | 362.6 | 363.3 |
| 17.5° | 383.5 | 382.8 | 378.6 | 375.8 | 376.5 | 378.6 | 380.0 | 379.3 | 379.3 | 377.2 | 377.9 |
| 20° | 406.5 | 406.5 | 400.9 | 396.0 | 388.4 | 388.4 | 389.1 | 388.4 | 389.8 | 391.2 | 393.3 |
| 22.5° | 423.9 | 422.5 | 420.4 | 416.3 | 407.9 | 400.9 | 400.9 | 398.1 | 400.2 | 400.9 | 405.1 |
| 25° | 446.2 | 444.9 | 440.0 | 440.0 | 431.6 | 422.5 | 421.1 | 417.0 | 421.8 | 412.8 | 419.7 |
| 27.5° | 473.4 | 472.0 | 465.8 | 463.0 | 458.8 | 447.6 | 444.9 | 445.5 | 450.4 | 437.2 | 444.2 |
| 30° | 507.6 | 506.2 | 498.5 | 490.9 | 483.9 | 472.0 | 470.6 | 470.0 | 481.1 | 465.8 | 474.8 |
| 32.5° | 550.8 | 550.8 | 542.5 | 532.0 | 518.1 | 502.0 | 496.4 | 497.1 | 512.5 | 495.8 | 511.1 |
| 35° | 616.4 | 608.0 | 592.7 | 576.6 | 562.0 | 543.2 | 535.5 | 534.1 | 548.0 | 531.3 | 548.7 |
| 37.5° | 658.2 | 652.6 | 638.7 | 626.8 | 610.8 | 592.7 | 587.1 | 589.2 | 601.0 | 576.6 | 601.7 |
| 40° | 695.9 | 695.2 | 686.1 | 678.4 | 662.4 | 644.3 | 651.2 | 679.1 | 710.5 | 663.1 | 663.8 |
| 42.5° | 721.0 | 722.4 | 721.7 | 722.4 | 713.3 | 694.5 | 706.3 | 745.4 | 799.1 | 771.2 | 745.4 |
| 45° | 725.1 | 730.0 | 732.1 | 746.1 | 755.1 | 744.0 | 750.3 | 791.4 | 898.8 | 942.0 | 825.6 |
| 47.5° | 735.6 | 740.5 | 736.3 | 753.0 | 794.9 | 794.2 | 819.3 | 834.6 | 849.3 | 856.2 | 944.1 |
| 50° | 749.6 | 758.6 | 754.4 | 768.4 | 802.5 | 822.1 | 843.7 | 863.2 | 851.4 | 807.4 | 831.1 |
| 52.5° | 750.3 | 760.7 | 783.7 | 797.7 | 831.1 | 826.9 | 841.6 | 831.1 | 849.3 | 803.9 | 826.9 |
| 55° | 688.9 | 691.0 | 757.9 | 828.3 | 886.9 | 875.1 | 866.0 | 842.3 | 865.3 | 808.8 | 838.1 |
| 57.5° | 592.0 | 598.9 | 668.7 | 787.2 | 912.7 | 923.2 | 920.4 | 918.3 | 936.4 | 861.1 | 893.2 |
| 60° | 485.3 | 493.7 | 559.9 | 699.4 | 859.0 | 886.2 | 923.9 | 946.9 | 993.6 | 963.6 | 1016.6 |
| 62.5° | 302.6 | 308.9 | 382.1 | 556.4 | 757.9 | 811.6 | 866.7 | 893.9 | 961.5 | 975.5 | 1065.4 |
| 65° | 144.3 | 146.4 | 175.0 | 302.6 | 550.8 | 651.9 | 733.5 | 791.4 | 874.4 | 937.1 | 1058.4 |
| 67.5° | 112.3 | 113.0 | 123.4 | 161.1 | 282.4 | 350.0 | 442.8 | 519.5 | 608.0 | 779.5 | 930.1 |
| 70° | 89.9 | 89.9 | 98.3 | 118.5 | 175.0 | 184.1 | 207.8 | 233.6 | 271.2 | 409.3 | 531.3 |
| 72.5° | 75.3 | 75.3 | 80.9 | 93.4 | 129.7 | 131.8 | 130.4 | 128.3 | 128.3 | 161.8 | 206.4 |
| 75° | 63.5 | 62.8 | 66.2 | 74.6 | 96.2 | 99.0 | 97.6 | 92.7 | 87.2 | 87.2 | 98.3 |
| 77.5° | 51.6 | 51.6 | 54.4 | 58.6 | 69.7 | 71.1 | 71.1 | 66.9 | 62.1 | 62.8 | 67.6 |
| 80° | 40.4 | 40.4 | 42.5 | 45.3 | 48.8 | 48.1 | 48.1 | 43.9 | 40.4 | 39.7 | 42.5 |
| 82.5° | 29.3 | 30.0 | 34.9 | 32.8 | 31.4 | 29.3 | 29.3 | 28.6 | 25.8 | 23.7 | 25.1 |
| 85° | 9.1 | 9.8 | 16.7 | 19.5 | 16.0 | 13.2 | 12.6 | 10.5 | 11.2 | 9.1 | 10.5 |
| 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 | 5.2 | 6.5 | 7.8 | 9.0 | 10.0 | 11.0 |
| 100° | 8.0 | 8.0 | 10.0 | 14.0 | 22.0 | 24.0 | 26.0 | 28.0 | 30.0 | 30.5 | 31.0 |
| 102.5° | 28.0 | 28.0 | 32.0 | 38.0 | 45.0 | 46.2 | 47.5 | 48.8 | 50.0 | 50.2 | 50.5 |
| 105° | 54.0 | 54.0 | 56.0 | 61.0 | 66.0 | 67.0 | 68.0 | 69.0 | 70.0 | 70.2 | 70.5 |
| 107.5° | 78.0 | 77.0 | 80.0 | 84.0 | 88.0 | 88.8 | 89.5 | 90.2 | 91.0 | 91.5 | 92.0 |
| 110° | 101.0 | 102.0 | 103.0 | 106.0 | 110.0 | 110.5 | 111.0 | 111.5 | 112.0 | 112.5 | 113.0 |



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CATALOG NUMBER: ISS-AF-350-LED-E1-T2-7030-ULG

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 37.5° | 40° | 42.5° | 45° | 47.5° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 124.0 | 124.0 | 126.0 | 129.0 | 132.0 | 132.5 | 133.0 | 133.5 | 134.0 | 134.5 | 135.0 |
| 115° | 146.0 | 147.0 | 149.0 | 151.0 | 154.0 | 154.5 | 155.0 | 155.5 | 156.0 | 156.5 | 157.0 |
| 117.5° | 169.0 | 170.0 | 172.0 | 174.0 | 177.0 | 177.5 | 178.0 | 178.5 | 179.0 | 179.2 | 179.5 |
| 120° | 193.0 | 195.0 | 196.0 | 198.0 | 201.0 | 201.2 | 201.5 | 201.8 | 202.0 | 202.5 | 203.0 |
| 122.5° | 219.0 | 220.0 | 221.0 | 223.0 | 226.0 | 226.2 | 226.5 | 226.8 | 227.0 | 227.2 | 227.5 |
| 125° | 244.0 | 246.0 | 247.0 | 248.0 | 251.0 | 251.2 | 251.5 | 251.8 | 252.0 | 252.2 | 252.5 |
| 127.5° | 267.0 | 269.0 | 270.0 | 272.0 | 274.0 | 274.5 | 275.0 | 275.5 | 276.0 | 276.5 | 277.0 |
| 130° | 290.0 | 292.0 | 293.0 | 294.0 | 298.0 | 298.2 | 298.5 | 298.8 | 299.0 | 299.5 | 300.0 |
| 132.5° | 313.0 | 314.0 | 317.0 | 318.0 | 321.0 | 321.2 | 321.5 | 321.8 | 322.0 | 322.8 | 323.5 |
| 135° | 336.0 | 337.0 | 339.0 | 341.0 | 345.0 | 345.0 | 345.0 | 345.0 | 345.0 | 345.8 | 346.5 |
| 137.5° | 359.0 | 360.0 | 363.0 | 364.0 | 367.0 | 367.0 | 367.0 | 367.0 | 367.0 | 367.5 | 368.0 |
| 140° | 382.0 | 383.0 | 385.0 | 386.0 | 388.0 | 388.2 | 388.5 | 388.8 | 389.0 | 389.2 | 389.5 |
| 142.5° | 404.0 | 406.0 | 408.0 | 407.0 | 410.0 | 410.0 | 410.0 | 410.0 | 410.0 | 410.5 | 411.0 |
| 145° | 425.0 | 426.0 | 428.0 | 428.0 | 431.0 | 431.2 | 431.5 | 431.8 | 432.0 | 432.5 | 433.0 |
| 147.5° | 444.0 | 444.0 | 447.0 | 448.0 | 452.0 | 452.2 | 452.5 | 452.8 | 453.0 | 453.2 | 453.5 |
| 150° | 461.0 | 462.0 | 464.0 | 465.0 | 469.0 | 469.2 | 469.5 | 469.8 | 470.0 | 470.2 | 470.5 |
| 152.5° | 479.0 | 480.0 | 483.0 | 482.0 | 485.0 | 485.2 | 485.5 | 485.8 | 486.0 | 486.2 | 486.5 |
| 155° | 499.0 | 500.0 | 502.0 | 501.0 | 503.0 | 503.0 | 503.0 | 503.0 | 503.0 | 503.2 | 503.5 |
| 157.5° | 513.0 | 515.0 | 517.0 | 516.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 |
| 160° | 525.0 | 527.0 | 529.0 | 529.0 | 532.0 | 532.0 | 532.0 | 532.0 | 532.0 | 532.0 | 532.0 |
| 162.5° | 535.0 | 536.0 | 539.0 | 538.0 | 541.0 | 541.0 | 541.0 | 541.0 | 541.0 | 541.2 | 541.5 |
| 165° | 546.0 | 547.0 | 549.0 | 548.0 | 552.0 | 552.0 | 552.0 | 552.0 | 552.0 | 552.2 | 552.5 |
| 167.5° | 555.0 | 556.0 | 559.0 | 558.0 | 561.0 | 560.8 | 560.5 | 560.2 | 560.0 | 560.0 | 560.0 |
| 170° | 562.0 | 563.0 | 566.0 | 565.0 | 567.0 | 566.8 | 566.5 | 566.2 | 566.0 | 565.8 | 565.5 |
| 172.5° | 565.0 | 566.0 | 569.0 | 567.0 | 569.0 | 568.8 | 568.5 | 568.2 | 568.0 | 568.2 | 568.5 |
| 175° | 567.0 | 569.0 | 570.0 | 569.0 | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 | 572.2 | 572.5 |
| 177.5° | 572.0 | 573.0 | 575.0 | 574.0 | 578.0 | 577.8 | 577.5 | 577.2 | 577.0 | 577.0 | 577.0 |
| 180° | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 |



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CATALOG NUMBER: ISS-AF-350-LED-E1-T2-7030-ULG

CANDELA DISTRIBUTION (continued):

| | 52.5° | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° | 75° | 77° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 276.1 | 276.1 | 276.1 | 276.1 | 276.1 | 276.1 | 276.1 | 276.1 | 276.1 | 276.1 | 276.1 |
| 2.5° | 288.0 | 289.4 | 286.6 | 286.6 | 283.1 | 285.2 | 281.7 | 282.4 | 278.9 | 280.3 | 280.3 |
| 5° | 301.9 | 302.6 | 299.1 | 297.7 | 294.2 | 294.2 | 290.8 | 290.8 | 285.9 | 287.3 | 285.9 |
| 7.5° | 315.2 | 315.2 | 311.7 | 308.9 | 305.4 | 304.0 | 299.8 | 297.7 | 293.5 | 292.8 | 290.8 |
| 10° | 326.3 | 326.3 | 321.4 | 318.6 | 314.5 | 312.4 | 306.8 | 304.7 | 299.8 | 296.3 | 294.2 |
| 12.5° | 340.3 | 338.9 | 333.3 | 330.5 | 323.5 | 322.8 | 314.5 | 313.1 | 306.1 | 304.0 | 300.5 |
| 15° | 357.0 | 358.4 | 349.3 | 348.6 | 338.9 | 338.2 | 327.0 | 326.3 | 315.9 | 315.2 | 310.3 |
| 17.5° | 375.1 | 377.9 | 370.2 | 369.5 | 357.7 | 357.7 | 344.4 | 343.7 | 329.8 | 329.1 | 322.8 |
| 20° | 391.2 | 394.6 | 389.8 | 391.2 | 380.7 | 381.4 | 366.8 | 366.8 | 347.2 | 345.8 | 340.3 |
| 22.5° | 405.8 | 412.8 | 408.6 | 416.3 | 405.8 | 410.7 | 391.2 | 394.6 | 371.6 | 368.8 | 360.5 |
| 25° | 420.4 | 429.5 | 428.1 | 440.7 | 433.0 | 441.4 | 421.1 | 428.1 | 398.1 | 400.2 | 389.1 |
| 27.5° | 435.1 | 446.9 | 445.5 | 463.7 | 460.9 | 477.6 | 460.2 | 467.9 | 435.1 | 437.2 | 424.6 |
| 30° | 459.5 | 472.7 | 467.9 | 486.7 | 486.7 | 513.9 | 500.6 | 512.5 | 476.2 | 480.4 | 465.8 |
| 32.5° | 492.3 | 507.6 | 493.0 | 517.4 | 516.0 | 551.5 | 541.1 | 561.3 | 525.7 | 531.3 | 513.2 |
| 35° | 527.8 | 552.2 | 528.5 | 555.7 | 551.5 | 588.5 | 581.5 | 614.3 | 576.6 | 582.9 | 564.8 |
| 37.5° | 574.5 | 603.8 | 572.4 | 596.2 | 577.3 | 619.9 | 615.7 | 660.3 | 622.0 | 638.0 | 616.4 |
| 40° | 629.6 | 652.6 | 613.6 | 633.8 | 602.4 | 646.4 | 639.4 | 700.7 | 665.2 | 691.0 | 671.5 |
| 42.5° | 680.5 | 696.6 | 645.0 | 670.1 | 632.4 | 677.0 | 664.5 | 738.4 | 707.7 | 747.5 | 725.8 |
| 45° | 726.5 | 744.7 | 676.3 | 704.2 | 662.4 | 711.2 | 689.6 | 774.7 | 753.7 | 813.7 | 792.1 |
| 47.5° | 792.1 | 765.6 | 704.9 | 741.2 | 694.5 | 748.2 | 719.6 | 817.2 | 809.5 | 894.6 | 869.5 |
| 50° | 770.5 | 787.9 | 728.6 | 766.3 | 723.8 | 789.3 | 757.9 | 868.1 | 870.2 | 982.4 | 967.8 |
| 52.5° | 772.6 | 801.8 | 746.8 | 799.1 | 757.9 | 846.5 | 813.7 | 929.4 | 939.2 | 1067.5 | 1047.3 |
| 55° | 785.1 | 828.3 | 774.0 | 844.4 | 806.0 | 909.9 | 886.9 | 995.7 | 1012.4 | 1147.7 | 1135.8 |
| 57.5° | 816.5 | 876.5 | 820.7 | 912.7 | 873.0 | 982.4 | 961.5 | 1064.0 | 1087.0 | 1227.9 | 1224.4 |
| 60° | 937.1 | 1008.2 | 910.6 | 1012.4 | 959.4 | 1064.7 | 1036.8 | 1135.8 | 1158.8 | 1304.6 | 1313.6 |
| 62.5° | 1071.7 | 1195.1 | 1137.2 | 1243.2 | 1103.1 | 1209.7 | 1127.5 | 1224.4 | 1225.8 | 1386.8 | 1415.4 |
| 65° | 1106.5 | 1296.2 | 1345.7 | 1543.0 | 1469.8 | 1579.3 | 1359.7 | 1424.5 | 1340.8 | 1536.8 | 1577.9 |
| 67.5° | 1093.3 | 1325.5 | 1462.8 | 1685.3 | 1768.2 | 1959.3 | 1922.3 | 1900.0 | 1706.2 | 1847.0 | 1896.5 |
| 70° | 802.5 | 1048.7 | 1384.8 | 1610.7 | 1849.8 | 1975.3 | 2174.1 | 2194.3 | 2185.9 | 2166.4 | 2199.2 |
| 72.5° | 365.4 | 573.1 | 937.1 | 1195.1 | 1589.7 | 1674.1 | 1962.1 | 1956.5 | 2252.1 | 2178.9 | 2230.5 |
| 75° | 143.6 | 221.0 | 446.2 | 667.3 | 1099.6 | 1203.5 | 1529.8 | 1448.9 | 1817.8 | 1710.4 | 1820.5 |
| 77.5° | 78.8 | 99.0 | 167.3 | 286.6 | 600.3 | 655.4 | 936.4 | 801.2 | 1127.5 | 941.3 | 978.3 |
| 80° | 47.4 | 59.3 | 76.7 | 108.8 | 255.2 | 269.8 | 399.5 | 322.1 | 460.9 | 350.0 | 339.6 |
| 82.5° | 25.8 | 32.1 | 38.3 | 53.7 | 94.8 | 105.3 | 138.1 | 124.1 | 147.8 | 126.2 | 123.4 |
| 85° | 10.5 | 13.9 | 14.6 | 21.6 | 31.4 | 36.3 | 43.9 | 47.4 | 57.9 | 53.0 | 51.6 |
| 87.5° | 0.0 | 0.7 | 0.0 | 1.4 | 0.0 | 1.4 | 0.0 | 2.1 | 2.1 | 3.5 | 4.2 |
| 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° | 12.0 | 13.0 | 11.5 | 10.0 | 8.5 | 7.0 | 6.5 | 6.0 | 5.5 | 5.0 | 4.8 |
| 100° | 31.5 | 32.0 | 31.5 | 31.0 | 30.5 | 30.0 | 29.2 | 28.5 | 27.8 | 27.0 | 26.8 |
| 102.5° | 50.8 | 51.0 | 50.8 | 50.5 | 50.2 | 50.0 | 49.5 | 49.0 | 48.5 | 48.0 | 48.2 |
| 105° | 70.8 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 70.5 | 70.0 | 69.5 | 69.0 | 69.4 |
| 107.5° | 92.5 | 93.0 | 92.8 | 92.5 | 92.2 | 92.0 | 91.8 | 91.5 | 91.2 | 91.0 | 91.2 |
| 110° | 113.5 | 114.0 | 114.0 | 114.0 | 114.0 | 114.0 | 113.8 | 113.5 | 113.2 | 113.0 | 113.2 |



REPORT NUMBER: P227545

CATALOG NUMBER: ISS-AF-350-LED-E1-T2-7030-ULG

CANDELA DISTRIBUTION (continued):

| | 52.5° | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° | 75° | 77° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 135.5 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 135.8 | 135.5 | 135.2 | 135.0 | 135.4 |
| 115° | 157.5 | 158.0 | 158.0 | 158.0 | 158.0 | 158.0 | 158.0 | 158.0 | 158.0 | 158.0 | 158.4 |
| 117.5° | 179.8 | 180.0 | 180.2 | 180.5 | 180.8 | 181.0 | 180.8 | 180.5 | 180.2 | 180.0 | 180.4 |
| 120° | 203.5 | 204.0 | 204.0 | 204.0 | 204.0 | 204.0 | 204.0 | 204.0 | 204.0 | 204.0 | 204.4 |
| 122.5° | 227.8 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.2 | 228.5 | 228.8 | 229.0 | 229.8 |
| 125° | 252.8 | 253.0 | 253.2 | 253.5 | 253.8 | 254.0 | 254.0 | 254.0 | 254.0 | 254.0 | 254.6 |
| 127.5° | 277.5 | 278.0 | 277.8 | 277.5 | 277.2 | 277.0 | 277.2 | 277.5 | 277.8 | 278.0 | 278.6 |
| 130° | 300.5 | 301.0 | 301.0 | 301.0 | 301.0 | 301.0 | 301.2 | 301.5 | 301.8 | 302.0 | 302.6 |
| 132.5° | 324.2 | 325.0 | 325.0 | 325.0 | 325.0 | 325.0 | 325.2 | 325.5 | 325.8 | 326.0 | 326.6 |
| 135° | 347.2 | 348.0 | 348.0 | 348.0 | 348.0 | 348.0 | 348.2 | 348.5 | 348.8 | 349.0 | 349.4 |
| 137.5° | 368.5 | 369.0 | 369.0 | 369.0 | 369.0 | 369.0 | 369.2 | 369.5 | 369.8 | 370.0 | 370.8 |
| 140° | 389.8 | 390.0 | 390.0 | 390.0 | 390.0 | 390.0 | 390.5 | 391.0 | 391.5 | 392.0 | 392.8 |
| 142.5° | 411.5 | 412.0 | 412.0 | 412.0 | 412.0 | 412.0 | 412.2 | 412.5 | 412.8 | 413.0 | 413.6 |
| 145° | 433.5 | 434.0 | 433.8 | 433.5 | 433.2 | 433.0 | 433.2 | 433.5 | 433.8 | 434.0 | 434.6 |
| 147.5° | 453.8 | 454.0 | 453.5 | 453.0 | 452.5 | 452.0 | 452.2 | 452.5 | 452.8 | 453.0 | 453.6 |
| 150° | 470.8 | 471.0 | 470.5 | 470.0 | 469.5 | 469.0 | 469.0 | 469.0 | 469.0 | 469.0 | 469.8 |
| 152.5° | 486.8 | 487.0 | 486.8 | 486.5 | 486.2 | 486.0 | 486.0 | 486.0 | 486.0 | 486.0 | 486.6 |
| 155° | 503.8 | 504.0 | 503.8 | 503.5 | 503.2 | 503.0 | 503.2 | 503.5 | 503.8 | 504.0 | 504.6 |
| 157.5° | 519.0 | 519.0 | 518.5 | 518.0 | 517.5 | 517.0 | 517.2 | 517.5 | 517.8 | 518.0 | 519.0 |
| 160° | 532.0 | 532.0 | 531.5 | 531.0 | 530.5 | 530.0 | 530.0 | 530.0 | 530.0 | 530.0 | 530.6 |
| 162.5° | 541.8 | 542.0 | 541.5 | 541.0 | 540.5 | 540.0 | 539.5 | 539.0 | 538.5 | 538.0 | 538.4 |
| 165° | 552.8 | 553.0 | 552.2 | 551.5 | 550.8 | 550.0 | 549.5 | 549.0 | 548.5 | 548.0 | 548.4 |
| 167.5° | 560.0 | 560.0 | 559.5 | 559.0 | 558.5 | 558.0 | 558.2 | 558.5 | 558.8 | 559.0 | 559.8 |
| 170° | 565.2 | 565.0 | 564.8 | 564.5 | 564.2 | 564.0 | 564.5 | 565.0 | 565.5 | 566.0 | 567.0 |
| 172.5° | 568.8 | 569.0 | 568.5 | 568.0 | 567.5 | 567.0 | 567.2 | 567.5 | 567.8 | 568.0 | 568.6 |
| 175° | 572.8 | 573.0 | 572.2 | 571.5 | 570.8 | 570.0 | 569.5 | 569.0 | 568.5 | 568.0 | 568.6 |
| 177.5° | 577.0 | 577.0 | 576.2 | 575.5 | 574.8 | 574.0 | 574.0 | 574.0 | 574.0 | 574.0 | 574.6 |
| 180° | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 |



REPORT NUMBER: P227545

CATALOG NUMBER: ISS-AF-350-LED-E1-T2-7030-ULG

CANDELA DISTRIBUTION (continued):

| | 77.5° | 80° | 82.5° | 85° | 87.5° | 90° | 95° | 100° | 102.5° | 105° | 107.5° |
|--------|--------|--------|--------|--------|--------|--------|-------|-------|--------|-------|--------|
| 0° | 276.1 | 276.1 | 276.1 | 276.1 | 276.1 | 276.1 | 276.1 | 276.1 | 276.1 | 276.1 | 276.1 |
| 2.5° | 278.2 | 280.3 | 277.5 | 277.5 | 274.0 | 276.1 | 274.0 | 271.9 | 268.4 | 269.1 | 264.3 |
| 5° | 283.1 | 284.5 | 281.0 | 279.6 | 277.5 | 276.8 | 272.6 | 268.4 | 263.6 | 263.6 | 258.0 |
| 7.5° | 288.0 | 288.0 | 283.1 | 283.1 | 278.2 | 276.8 | 270.5 | 263.6 | 256.6 | 255.9 | 247.5 |
| 10° | 290.8 | 290.1 | 283.8 | 283.8 | 276.8 | 276.1 | 268.4 | 258.0 | 248.2 | 245.4 | 233.6 |
| 12.5° | 296.3 | 295.6 | 288.0 | 286.6 | 277.5 | 277.5 | 266.4 | 252.4 | 238.5 | 233.6 | 216.8 |
| 15° | 303.3 | 304.0 | 294.9 | 292.8 | 282.4 | 281.7 | 266.4 | 245.4 | 226.6 | 218.9 | 198.7 |
| 17.5° | 314.5 | 315.2 | 302.6 | 300.5 | 288.0 | 285.9 | 267.1 | 237.1 | 210.6 | 202.2 | 184.1 |
| 20° | 329.1 | 327.0 | 310.3 | 309.6 | 292.8 | 290.8 | 266.4 | 224.5 | 194.5 | 186.2 | 170.1 |
| 22.5° | 347.2 | 345.1 | 323.5 | 321.4 | 301.9 | 298.4 | 265.7 | 211.3 | 179.9 | 170.8 | 160.4 |
| 25° | 372.3 | 369.5 | 343.1 | 340.3 | 315.9 | 310.3 | 265.0 | 197.3 | 167.3 | 160.4 | 154.1 |
| 27.5° | 403.7 | 398.1 | 366.1 | 363.3 | 330.5 | 323.5 | 262.2 | 181.3 | 154.8 | 149.9 | 147.1 |
| 30° | 441.4 | 436.5 | 395.3 | 391.2 | 350.0 | 341.0 | 259.4 | 166.6 | 145.7 | 143.6 | 141.5 |
| 32.5° | 486.0 | 481.1 | 430.9 | 426.0 | 375.1 | 361.9 | 254.5 | 154.8 | 140.1 | 140.1 | 137.4 |
| 35° | 532.7 | 528.5 | 469.3 | 465.8 | 403.0 | 385.6 | 248.2 | 144.3 | 135.3 | 135.3 | 132.5 |
| 37.5° | 574.5 | 578.0 | 511.1 | 508.3 | 430.9 | 409.3 | 241.3 | 137.4 | 131.1 | 129.7 | 126.9 |
| 40° | 619.9 | 628.2 | 550.1 | 552.2 | 460.2 | 434.4 | 232.9 | 131.8 | 126.2 | 124.8 | 124.1 |
| 42.5° | 665.9 | 681.9 | 591.3 | 598.9 | 489.5 | 460.2 | 226.6 | 128.3 | 124.1 | 121.3 | 120.6 |
| 45° | 723.1 | 746.1 | 642.2 | 656.8 | 523.6 | 491.6 | 224.5 | 124.1 | 117.8 | 114.4 | 112.3 |
| 47.5° | 794.2 | 824.9 | 704.9 | 721.7 | 569.0 | 529.2 | 228.7 | 122.7 | 113.7 | 109.5 | 105.3 |
| 50° | 878.5 | 907.8 | 779.5 | 786.5 | 619.9 | 570.4 | 237.8 | 124.8 | 112.3 | 106.0 | 99.7 |
| 52.5° | 967.8 | 990.1 | 858.3 | 850.7 | 672.9 | 610.8 | 248.2 | 125.5 | 108.8 | 102.5 | 94.8 |
| 55° | 1059.8 | 1072.4 | 931.5 | 911.3 | 721.0 | 651.2 | 262.2 | 124.8 | 106.0 | 99.0 | 89.2 |
| 57.5° | 1149.8 | 1154.0 | 996.4 | 976.9 | 768.4 | 699.4 | 279.6 | 122.7 | 101.8 | 94.8 | 84.4 |
| 60° | 1237.6 | 1244.6 | 1068.2 | 1050.1 | 820.0 | 761.4 | 304.7 | 119.2 | 96.2 | 91.3 | 80.2 |
| 62.5° | 1333.9 | 1356.9 | 1154.0 | 1156.8 | 891.1 | 858.3 | 352.1 | 115.0 | 90.6 | 85.1 | 73.9 |
| 65° | 1464.9 | 1552.8 | 1295.5 | 1361.0 | 1027.8 | 1041.0 | 442.8 | 103.2 | 83.0 | 76.0 | 68.3 |
| 67.5° | 1793.3 | 1889.6 | 1639.3 | 1665.8 | 1347.8 | 1269.0 | 499.9 | 87.9 | 73.2 | 68.3 | 63.5 |
| 70° | 2204.7 | 2135.7 | 1957.9 | 1797.5 | 1534.7 | 1304.6 | 440.0 | 73.9 | 64.8 | 62.1 | 59.3 |
| 72.5° | 2317.7 | 2070.2 | 1923.7 | 1683.2 | 1418.9 | 1137.9 | 336.8 | 63.5 | 57.9 | 56.5 | 54.4 |
| 75° | 2036.7 | 1678.3 | 1686.7 | 1337.3 | 1176.3 | 867.4 | 230.1 | 54.4 | 50.2 | 49.5 | 48.8 |
| 77.5° | 1302.5 | 862.5 | 1050.1 | 661.0 | 679.1 | 401.6 | 112.3 | 45.3 | 43.2 | 43.2 | 41.8 |
| 80° | 463.0 | 287.3 | 324.9 | 208.5 | 189.7 | 127.6 | 60.7 | 36.3 | 34.9 | 35.6 | 34.9 |
| 82.5° | 138.8 | 110.2 | 108.1 | 84.4 | 65.5 | 53.7 | 33.5 | 27.9 | 26.5 | 27.2 | 25.8 |
| 85° | 55.8 | 43.2 | 36.3 | 27.9 | 23.0 | 20.9 | 18.1 | 18.8 | 16.7 | 18.1 | 16.0 |
| 87.5° | 3.5 | 2.8 | 2.1 | 2.8 | 0.0 | 1.4 | 3.5 | 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° | 4.8 | 4.5 | 4.2 | 4.0 | 4.0 | 4.0 | 4.0 | 4.5 | 4.8 | 5.0 | 5.5 |
| 100° | 26.8 | 26.5 | 26.2 | 26.0 | 25.5 | 25.0 | 26.0 | 26.5 | 26.8 | 27.0 | 27.8 |
| 102.5° | 48.2 | 48.5 | 48.8 | 49.0 | 48.5 | 48.0 | 49.0 | 48.5 | 48.2 | 48.0 | 48.5 |
| 105° | 69.5 | 70.0 | 70.5 | 71.0 | 70.0 | 69.0 | 71.0 | 70.0 | 69.5 | 69.0 | 69.5 |
| 107.5° | 91.2 | 91.5 | 91.8 | 92.0 | 91.5 | 91.0 | 92.0 | 91.5 | 91.2 | 91.0 | 91.2 |
| 110° | 113.2 | 113.5 | 113.8 | 114.0 | 113.5 | 113.0 | 114.0 | 113.5 | 113.2 | 113.0 | 113.2 |



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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° | 135.5 | 136.0 | 136.5 | 137.0 | 136.0 | 135.0 | 137.0 | 136.0 | 135.5 | 135.0 | 135.2 | 0° |
| 115° | 158.5 | 159.0 | 159.5 | 160.0 | 159.5 | 159.0 | 160.0 | 159.0 | 158.5 | 158.0 | 158.0 | 2.5° |
| 117.5° | 180.5 | 181.0 | 181.5 | 182.0 | 181.0 | 180.0 | 182.0 | 181.0 | 180.5 | 180.0 | 180.2 | 5° |
| 120° | 204.5 | 205.0 | 205.5 | 206.0 | 205.0 | 204.0 | 206.0 | 205.0 | 204.5 | 204.0 | 204.0 | 7.5° |
| 122.5° | 230.0 | 231.0 | 232.0 | 233.0 | 232.5 | 232.0 | 233.0 | 231.0 | 230.0 | 229.0 | 228.8 | 10° |
| 125° | 254.8 | 255.5 | 256.2 | 257.0 | 256.5 | 256.0 | 257.0 | 255.5 | 254.8 | 254.0 | 254.0 | 12.5° |
| 127.5° | 278.8 | 279.5 | 280.2 | 281.0 | 279.5 | 278.0 | 281.0 | 279.5 | 278.8 | 278.0 | 277.8 | 15° |
| 130° | 302.8 | 303.5 | 304.2 | 305.0 | 304.0 | 303.0 | 305.0 | 303.5 | 302.8 | 302.0 | 301.8 | 17.5° |
| 132.5° | 326.8 | 327.5 | 328.2 | 329.0 | 328.0 | 327.0 | 329.0 | 327.5 | 326.8 | 326.0 | 325.8 | 20° |
| 135° | 349.5 | 350.0 | 350.5 | 351.0 | 350.5 | 350.0 | 351.0 | 350.0 | 349.5 | 349.0 | 348.8 | 22.5° |
| 137.5° | 371.0 | 372.0 | 373.0 | 374.0 | 373.0 | 372.0 | 374.0 | 372.0 | 371.0 | 370.0 | 369.8 | 25° |
| 140° | 393.0 | 394.0 | 395.0 | 396.0 | 395.0 | 394.0 | 396.0 | 394.0 | 393.0 | 392.0 | 391.5 | 27.5° |
| 142.5° | 413.8 | 414.5 | 415.2 | 416.0 | 415.5 | 415.0 | 416.0 | 414.5 | 413.8 | 413.0 | 412.8 | 30° |
| 145° | 434.8 | 435.5 | 436.2 | 437.0 | 436.0 | 435.0 | 437.0 | 435.5 | 434.8 | 434.0 | 433.8 | 32.5° |
| 147.5° | 453.8 | 454.5 | 455.2 | 456.0 | 454.5 | 453.0 | 456.0 | 454.5 | 453.8 | 453.0 | 452.8 | 35° |
| 150° | 470.0 | 471.0 | 472.0 | 473.0 | 471.5 | 470.0 | 473.0 | 471.0 | 470.0 | 469.0 | 469.0 | 37.5° |
| 152.5° | 486.8 | 487.5 | 488.2 | 489.0 | 487.5 | 486.0 | 489.0 | 487.5 | 486.8 | 486.0 | 486.0 | 40° |
| 155° | 504.8 | 505.5 | 506.2 | 507.0 | 506.0 | 505.0 | 507.0 | 505.5 | 504.8 | 504.0 | 503.8 | 42.5° |
| 157.5° | 519.2 | 520.5 | 521.8 | 523.0 | 521.5 | 520.0 | 523.0 | 520.5 | 519.2 | 518.0 | 517.8 | 45° |
| 160° | 530.8 | 531.5 | 532.2 | 533.0 | 532.0 | 531.0 | 533.0 | 531.5 | 530.8 | 530.0 | 530.0 | 47.5° |
| 162.5° | 538.5 | 539.0 | 539.5 | 540.0 | 538.5 | 537.0 | 540.0 | 539.0 | 538.5 | 538.0 | 538.5 | 50° |
| 165° | 548.5 | 549.0 | 549.5 | 550.0 | 549.0 | 548.0 | 550.0 | 549.0 | 548.5 | 548.0 | 548.5 | 52.5° |
| 167.5° | 560.0 | 561.0 | 562.0 | 563.0 | 562.0 | 561.0 | 563.0 | 561.0 | 560.0 | 559.0 | 558.8 | 55° |
| 170° | 567.2 | 568.5 | 569.8 | 571.0 | 570.0 | 569.0 | 571.0 | 568.5 | 567.2 | 566.0 | 565.5 | 57.5° |
| 172.5° | 568.8 | 569.5 | 570.2 | 571.0 | 569.5 | 568.0 | 571.0 | 569.5 | 568.8 | 568.0 | 567.8 | 60° |
| 175° | 568.8 | 569.5 | 570.2 | 571.0 | 569.5 | 568.0 | 571.0 | 569.5 | 568.8 | 568.0 | 568.5 | 62.5° |
| 177.5° | 574.8 | 575.5 | 576.2 | 577.0 | 575.5 | 574.0 | 577.0 | 575.5 | 574.8 | 574.0 | 574.0 | 65° |
| 180° | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 67.5° |
| | | | | | | | | | | | | 70° |
| | | | | | | | | | | | | 72.5° |
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| | | | | | | | | | | | | 77.5° |
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| | | | | | | | | | | | | 92.5° |
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| | | | | | | | | | | | | 97.5° |
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| | | | | | | | | | | | | 102.5° |
| | | | | | | | | | | | | 105° |
| | | | | | | | | | | | | 107.5° |
| | | | | | | | | | | | | 110° |

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 NUMBER: ISS-AF-350-LED-E1-T2-7030-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° | |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|-------|-------|--------|-------|
| 276.1 | 276.1 | 276.1 | 276.1 | 276.1 | 276.1 | 276.1 | 276.1 | 276.1 | 276.1 | 276.1 | 112.5° | 135.5 |
| 267.7 | 262.9 | 265.0 | 262.9 | 264.3 | 260.1 | 261.5 | 258.0 | 258.0 | 257.3 | 253.8 | 115° | 158.0 |
| 258.7 | 253.8 | 253.1 | 248.2 | 248.9 | 243.3 | 242.6 | 236.4 | 236.4 | 230.8 | 220.3 | 117.5° | 180.5 |
| 246.1 | 238.5 | 237.8 | 228.0 | 227.3 | 219.6 | 216.8 | 209.9 | 209.2 | 202.9 | 196.6 | 120° | 204.0 |
| 230.1 | 218.2 | 216.2 | 203.6 | 204.3 | 195.9 | 195.2 | 190.4 | 190.4 | 187.6 | 187.6 | 122.5° | 228.5 |
| 212.0 | 198.7 | 197.3 | 187.6 | 188.3 | 182.7 | 183.4 | 180.6 | 182.0 | 183.4 | 188.3 | 125° | 254.0 |
| 195.2 | 184.8 | 183.4 | 177.1 | 177.8 | 176.4 | 178.5 | 178.5 | 180.6 | 184.1 | 192.4 | 127.5° | 277.5 |
| 181.3 | 172.2 | 172.9 | 170.1 | 172.9 | 172.2 | 176.4 | 175.7 | 179.9 | 184.1 | 194.5 | 130° | 301.5 |
| 168.7 | 163.9 | 165.9 | 165.3 | 168.7 | 168.7 | 172.2 | 172.9 | 176.4 | 182.0 | 193.8 | 132.5° | 325.5 |
| 160.4 | 159.0 | 161.1 | 161.1 | 163.9 | 164.6 | 168.0 | 170.1 | 172.2 | 177.8 | 188.3 | 135° | 348.5 |
| 155.5 | 154.8 | 156.9 | 157.6 | 159.7 | 160.4 | 163.9 | 163.9 | 167.3 | 170.8 | 176.4 | 137.5° | 369.5 |
| 148.5 | 147.1 | 149.9 | 149.9 | 152.7 | 152.0 | 156.2 | 154.8 | 158.3 | 159.7 | 161.1 | 140° | 391.0 |
| 143.6 | 141.5 | 143.6 | 142.9 | 145.0 | 142.9 | 145.0 | 142.9 | 145.0 | 145.0 | 142.9 | 142.5° | 412.5 |
| 138.8 | 136.7 | 137.4 | 134.6 | 136.7 | 133.9 | 134.6 | 131.8 | 133.2 | 131.8 | 132.5 | 145° | 433.5 |
| 133.9 | 131.1 | 131.1 | 127.6 | 127.6 | 124.1 | 125.5 | 122.7 | 125.5 | 127.6 | 126.9 | 147.5° | 452.5 |
| 126.9 | 124.8 | 124.8 | 122.0 | 123.4 | 122.0 | 124.8 | 123.4 | 124.1 | 121.3 | 116.4 | 150° | 469.0 |
| 122.7 | 124.1 | 123.4 | 125.5 | 124.1 | 122.0 | 119.9 | 115.7 | 115.0 | 113.7 | 110.9 | 152.5° | 486.0 |
| 116.4 | 117.8 | 114.4 | 117.1 | 115.0 | 115.7 | 114.4 | 112.3 | 110.9 | 109.5 | 106.7 | 155° | 503.5 |
| 107.4 | 107.4 | 104.6 | 108.8 | 106.7 | 110.9 | 109.5 | 109.5 | 108.1 | 106.0 | 103.9 | 157.5° | 517.5 |
| 99.7 | 100.4 | 97.6 | 101.1 | 99.7 | 105.3 | 104.6 | 106.7 | 106.7 | 105.3 | 99.7 | 160° | 530.0 |
| 94.8 | 93.4 | 91.3 | 94.8 | 94.1 | 99.0 | 99.7 | 103.9 | 103.2 | 103.9 | 99.0 | 162.5° | 539.0 |
| 90.6 | 87.9 | 85.8 | 87.9 | 87.9 | 92.0 | 93.4 | 98.3 | 99.0 | 100.4 | 97.6 | 165° | 549.0 |
| 85.8 | 82.3 | 80.9 | 82.3 | 82.3 | 86.5 | 88.6 | 92.0 | 94.1 | 98.3 | 96.9 | 167.5° | 558.5 |
| 81.6 | 76.7 | 75.3 | 76.7 | 77.4 | 81.6 | 83.7 | 87.2 | 89.9 | 95.5 | 94.8 | 170° | 565.0 |
| 76.7 | 72.5 | 71.1 | 73.2 | 73.9 | 78.1 | 80.2 | 83.7 | 85.8 | 92.0 | 92.0 | 172.5° | 567.5 |
| 71.1 | 67.6 | 67.6 | 68.3 | 69.7 | 73.9 | 75.3 | 80.2 | 80.9 | 88.6 | 89.2 | 175° | 569.0 |
| 66.2 | 64.1 | 64.1 | 64.8 | 66.2 | 69.7 | 70.4 | 75.3 | 76.0 | 83.7 | 85.8 | 177.5° | 574.0 |
| 62.1 | 60.7 | 60.7 | 61.4 | 62.1 | 64.8 | 65.5 | 70.4 | 71.8 | 78.8 | 82.3 | 180° | 576.0 |
| 57.9 | 56.5 | 55.8 | 55.8 | 57.9 | 60.0 | 61.4 | 66.2 | 66.9 | 73.2 | 77.4 | | |
| 53.0 | 51.6 | 51.6 | 50.9 | 53.0 | 54.4 | 57.2 | 60.0 | 61.4 | 67.6 | 70.4 | | |
| 48.1 | 46.7 | 46.7 | 46.0 | 47.4 | 50.2 | 50.9 | 53.7 | 54.4 | 60.0 | 62.8 | | |
| 41.8 | 40.4 | 40.4 | 40.4 | 41.8 | 42.5 | 43.2 | 46.0 | 47.4 | 52.3 | 55.1 | | |
| 34.9 | 33.5 | 34.2 | 33.5 | 35.6 | 32.8 | 34.9 | 37.7 | 39.0 | 41.8 | 40.4 | | |
| 26.5 | 24.4 | 25.1 | 25.1 | 25.8 | 23.7 | 25.1 | 26.5 | 27.9 | 30.0 | 29.3 | | |
| 16.7 | 14.6 | 16.0 | 14.6 | 16.0 | 13.9 | 15.3 | 15.3 | 16.7 | 15.3 | 14.6 | | |
| 3.5 | 1.4 | 3.5 | 1.4 | 4.2 | 0.0 | 2.1 | 0.0 | 1.4 | 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 | | |
| 6.0 | 6.5 | 7.0 | 8.5 | 10.0 | 11.5 | 13.0 | 12.0 | 11.0 | 9.0 | 4.0 | | |
| 28.5 | 29.2 | 30.0 | 30.5 | 31.0 | 31.5 | 32.0 | 31.5 | 31.0 | 30.0 | 22.0 | | |
| 49.0 | 49.5 | 50.0 | 50.2 | 50.5 | 50.8 | 51.0 | 50.8 | 50.5 | 50.0 | 45.0 | | |
| 70.0 | 70.5 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 70.8 | 70.5 | 70.0 | 66.0 | | |
| 91.5 | 91.8 | 92.0 | 92.2 | 92.5 | 92.8 | 93.0 | 92.5 | 92.0 | 91.0 | 88.0 | | |
| 113.5 | 113.8 | 114.0 | 114.0 | 114.0 | 114.0 | 114.0 | 113.5 | 113.0 | 112.0 | 110.0 | | |

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 ISS-AF-350-LED-E1-T2-7030-ULG

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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° |
|--------|-------|--------|-------|--------|-------|--------|-------|-------|-------|--------|-------|-------|
| 135.8 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 135.5 | 135.0 | 134.0 | 132.0 | 0° | 276.1 | 276.1 |
| 158.0 | 158.0 | 158.0 | 158.0 | 158.0 | 158.0 | 157.5 | 157.0 | 156.0 | 154.0 | 2.5° | 250.3 | 247.5 |
| 180.8 | 181.0 | 180.8 | 180.5 | 180.2 | 180.0 | 179.8 | 179.5 | 179.0 | 177.0 | 5° | 214.8 | 209.9 |
| 204.0 | 204.0 | 204.0 | 204.0 | 204.0 | 204.0 | 203.5 | 203.0 | 202.0 | 201.0 | 7.5° | 193.1 | 191.7 |
| 228.2 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 227.8 | 227.5 | 227.0 | 226.0 | 10° | 189.0 | 191.0 |
| 254.0 | 254.0 | 253.8 | 253.5 | 253.2 | 253.0 | 252.8 | 252.5 | 252.0 | 251.0 | 12.5° | 193.8 | 197.3 |
| 277.2 | 277.0 | 277.2 | 277.5 | 277.8 | 278.0 | 277.5 | 277.0 | 276.0 | 274.0 | 15° | 200.1 | 206.4 |
| 301.2 | 301.0 | 301.0 | 301.0 | 301.0 | 301.0 | 300.5 | 300.0 | 299.0 | 298.0 | 17.5° | 205.0 | 213.4 |
| 325.2 | 325.0 | 325.0 | 325.0 | 325.0 | 325.0 | 324.2 | 323.5 | 322.0 | 321.0 | 20° | 205.7 | 214.1 |
| 348.2 | 348.0 | 348.0 | 348.0 | 348.0 | 348.0 | 347.2 | 346.5 | 345.0 | 345.0 | 22.5° | 199.4 | 205.0 |
| 369.2 | 369.0 | 369.0 | 369.0 | 369.0 | 369.0 | 368.5 | 368.0 | 367.0 | 367.0 | 25° | 183.4 | 186.2 |
| 390.5 | 390.0 | 390.0 | 390.0 | 390.0 | 390.0 | 389.8 | 389.5 | 389.0 | 388.0 | 27.5° | 163.2 | 162.5 |
| 412.2 | 412.0 | 412.0 | 412.0 | 412.0 | 412.0 | 411.5 | 411.0 | 410.0 | 410.0 | 30° | 142.2 | 140.8 |
| 433.2 | 433.0 | 433.2 | 433.5 | 433.8 | 434.0 | 433.5 | 433.0 | 432.0 | 431.0 | 32.5° | 134.6 | 129.7 |
| 452.2 | 452.0 | 452.5 | 453.0 | 453.5 | 454.0 | 453.8 | 453.5 | 453.0 | 452.0 | 35° | 122.7 | 121.3 |
| 469.0 | 469.0 | 469.5 | 470.0 | 470.5 | 471.0 | 470.8 | 470.5 | 470.0 | 469.0 | 37.5° | 118.5 | 130.4 |
| 486.0 | 486.0 | 486.2 | 486.5 | 486.8 | 487.0 | 486.8 | 486.5 | 486.0 | 485.0 | 40° | 113.7 | 128.3 |
| 503.2 | 503.0 | 503.2 | 503.5 | 503.8 | 504.0 | 503.8 | 503.5 | 503.0 | 503.0 | 42.5° | 109.5 | 117.8 |
| 517.2 | 517.0 | 517.5 | 518.0 | 518.5 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 45° | 101.8 | 105.3 |
| 530.0 | 530.0 | 530.5 | 531.0 | 531.5 | 532.0 | 532.0 | 532.0 | 532.0 | 532.0 | 47.5° | 98.3 | 96.9 |
| 539.5 | 540.0 | 540.5 | 541.0 | 541.5 | 542.0 | 541.8 | 541.5 | 541.0 | 541.0 | 50° | 95.5 | 95.5 |
| 549.5 | 550.0 | 550.8 | 551.5 | 552.2 | 553.0 | 552.8 | 552.5 | 552.0 | 552.0 | 52.5° | 93.4 | 92.0 |
| 558.2 | 558.0 | 558.5 | 559.0 | 559.5 | 560.0 | 560.0 | 560.0 | 560.0 | 561.0 | 55° | 90.6 | 89.2 |
| 564.5 | 564.0 | 564.2 | 564.5 | 564.8 | 565.0 | 565.2 | 565.5 | 566.0 | 567.0 | 57.5° | 88.6 | 85.1 |
| 567.2 | 567.0 | 567.5 | 568.0 | 568.5 | 569.0 | 568.8 | 568.5 | 568.0 | 569.0 | 60° | 86.5 | 83.0 |
| 569.5 | 570.0 | 570.8 | 571.5 | 572.2 | 573.0 | 572.8 | 572.5 | 572.0 | 572.0 | 62.5° | 85.1 | 80.9 |
| 574.0 | 574.0 | 574.8 | 575.5 | 576.2 | 577.0 | 577.0 | 577.0 | 577.0 | 578.0 | 65° | 83.0 | 78.8 |
| 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 67.5° | 80.2 | 74.6 |
| | | | | | | | | | | 70° | 74.6 | 69.7 |
| | | | | | | | | | | 72.5° | 69.0 | 63.5 |
| | | | | | | | | | | 75° | 60.7 | 55.8 |
| | | | | | | | | | | 77.5° | 50.9 | 45.3 |
| | | | | | | | | | | 80° | 38.3 | 34.9 |
| | | | | | | | | | | 82.5° | 27.9 | 23.7 |
| | | | | | | | | | | 85° | 12.6 | 9.1 |
| | | | | | | | | | | 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° | 14.0 | 10.0 |
| | | | | | | | | | | 102.5° | 38.0 | 32.0 |
| | | | | | | | | | | 105° | 61.0 | 56.0 |
| | | | | | | | | | | 107.5° | 84.0 | 80.0 |
| | | | | | | | | | | 110° | 106.0 | 103.0 |



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tinued):

| 175° | 180° |
|-------|-------|
| 276.1 | 276.1 |
| 246.1 | 245.4 |
| 208.5 | 207.1 |
| 191.7 | 191.0 |
| 191.7 | 191.7 |
| 200.1 | 200.1 |
| 209.9 | 209.9 |
| 216.8 | 217.5 |
| 218.9 | 219.6 |
| 208.5 | 208.5 |
| 188.3 | 188.3 |
| 161.8 | 164.6 |
| 138.1 | 140.8 |
| 122.7 | 124.8 |
| 117.8 | 118.5 |
| 129.7 | 130.4 |
| 127.6 | 129.0 |
| 109.5 | 110.2 |
| 98.3 | 98.3 |
| 94.1 | 93.4 |
| 94.1 | 92.7 |
| 96.9 | 96.2 |
| 92.7 | 92.7 |
| 90.6 | 90.6 |
| 88.6 | 88.6 |
| 87.9 | 87.2 |
| 87.9 | 86.5 |
| 86.5 | 84.4 |
| 81.6 | 76.0 |
| 69.7 | 64.8 |
| 56.5 | 55.8 |
| 43.9 | 44.6 |
| 33.5 | 33.5 |
| 24.4 | 20.2 |
| 7.0 | 7.0 |
| 0.0 | 0.0 |
| 0.0 | 0.0 |
| 0.0 | 0.0 |
| 1.0 | 1.0 |
| 2.0 | 2.0 |
| 8.0 | 8.0 |
| 28.0 | 28.0 |
| 54.0 | 54.0 |
| 77.0 | 78.0 |
| 102.0 | 101.0 |

CANDELA DISTRIBUTION (continued):

| | 155° | 165° | 175° |
|--------|-------|-------|-------|
| 112.5° | 129.0 | 126.0 | 124.0 |
| 115° | 151.0 | 149.0 | 147.0 |
| 117.5° | 174.0 | 172.0 | 170.0 |
| 120° | 198.0 | 196.0 | 195.0 |
| 122.5° | 223.0 | 221.0 | 220.0 |
| 125° | 248.0 | 247.0 | 246.0 |
| 127.5° | 272.0 | 270.0 | 269.0 |
| 130° | 294.0 | 293.0 | 292.0 |
| 132.5° | 318.0 | 317.0 | 314.0 |
| 135° | 341.0 | 339.0 | 337.0 |
| 137.5° | 364.0 | 363.0 | 360.0 |
| 140° | 386.0 | 385.0 | 383.0 |
| 142.5° | 407.0 | 408.0 | 406.0 |
| 145° | 428.0 | 428.0 | 426.0 |
| 147.5° | 448.0 | 447.0 | 444.0 |
| 150° | 465.0 | 464.0 | 462.0 |
| 152.5° | 482.0 | 483.0 | 480.0 |
| 155° | 501.0 | 502.0 | 500.0 |
| 157.5° | 516.0 | 517.0 | 515.0 |
| 160° | 529.0 | 529.0 | 527.0 |
| 162.5° | 538.0 | 539.0 | 536.0 |
| 165° | 548.0 | 549.0 | 547.0 |
| 167.5° | 558.0 | 559.0 | 556.0 |
| 170° | 565.0 | 566.0 | 563.0 |
| 172.5° | 567.0 | 569.0 | 566.0 |
| 175° | 569.0 | 570.0 | 569.0 |
| 177.5° | 574.0 | 575.0 | 573.0 |
| 180° | 576.0 | 576.0 | 576.0 |



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| |
|-------|
| 180° |
| 124.0 |
| 146.0 |
| 169.0 |
| 193.0 |
| 219.0 |
| 244.0 |
| 267.0 |
| 290.0 |
| 313.0 |
| 336.0 |
| 359.0 |
| 382.0 |
| 404.0 |
| 425.0 |
| 444.0 |
| 461.0 |
| 479.0 |
| 499.0 |
| 513.0 |
| 525.0 |
| 535.0 |
| 546.0 |
| 555.0 |
| 562.0 |
| 565.0 |
| 567.0 |
| 572.0 |
| 576.0 |

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