

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: P227547

Luminaire Tested: **ISS-AF-350-LED-E1-T2-7060-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P227547
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-T2-7060-ULG
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II, WITH UPLIGHT GLOW
Light Source: (16) 5700K CCT, 70 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3762.2 lumens
Efficiency: N/A
Efficacy: 102.3 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: B1 - U5 - G1

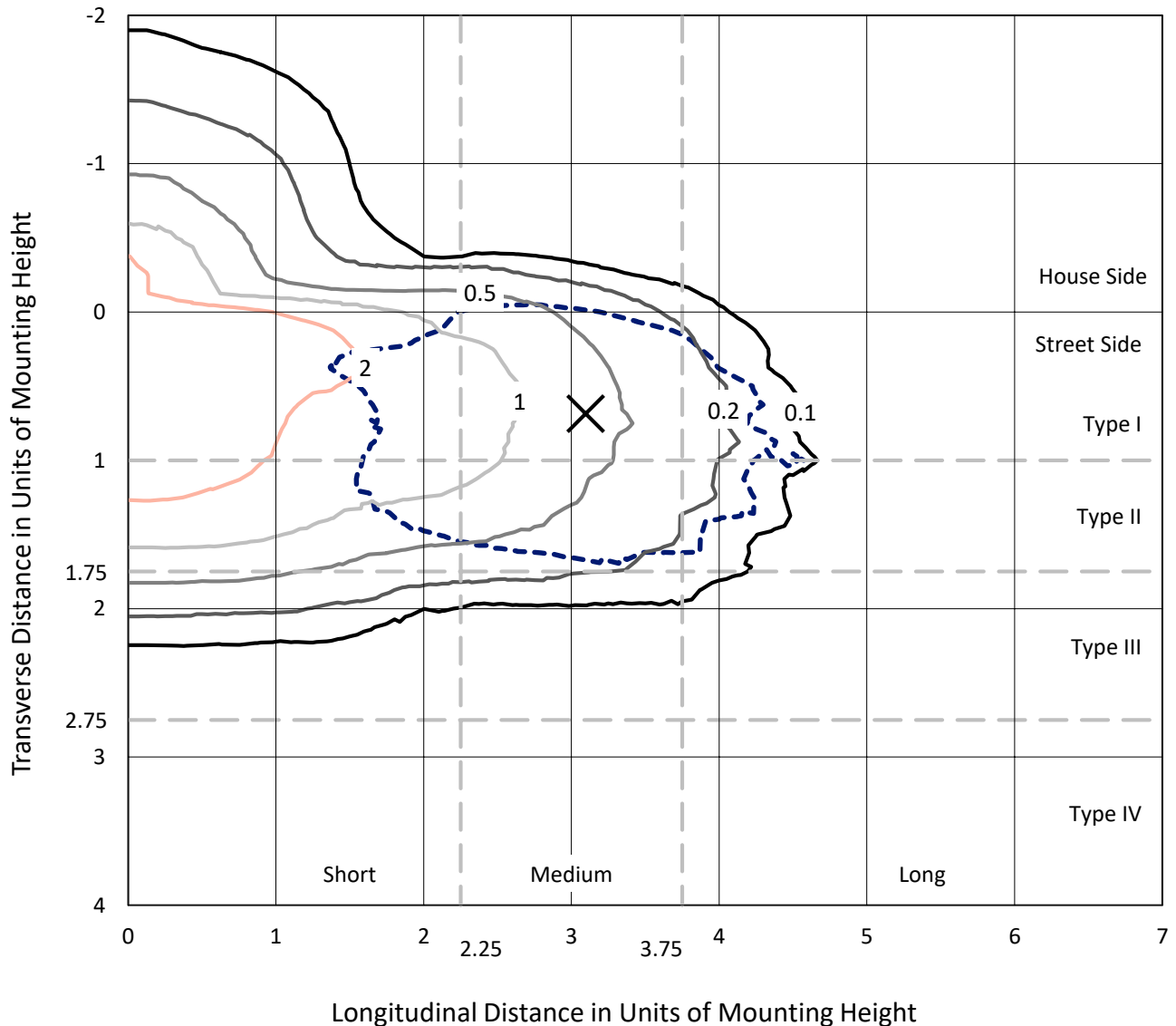
Input Watts (W): 36.79
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

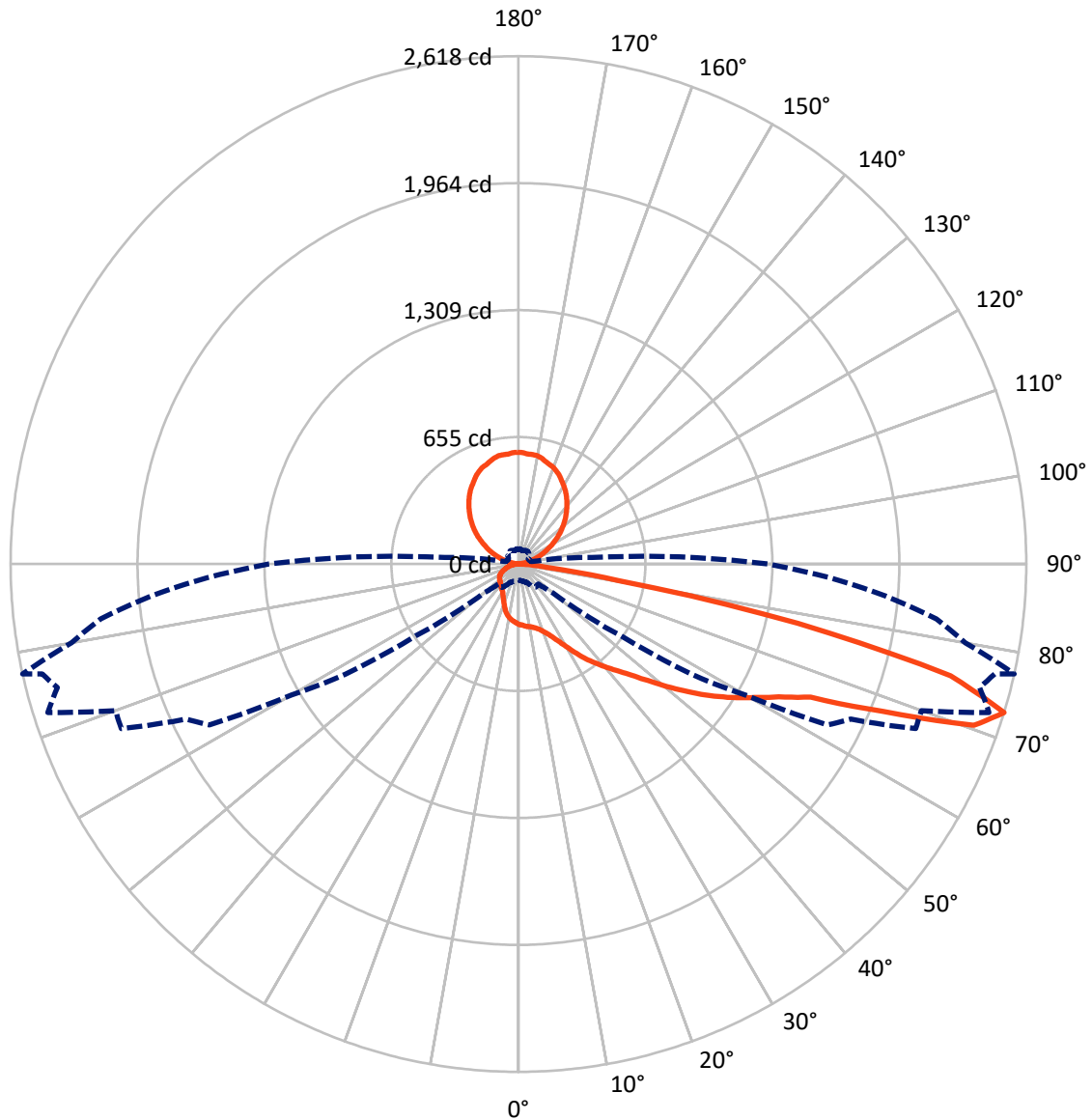
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.8 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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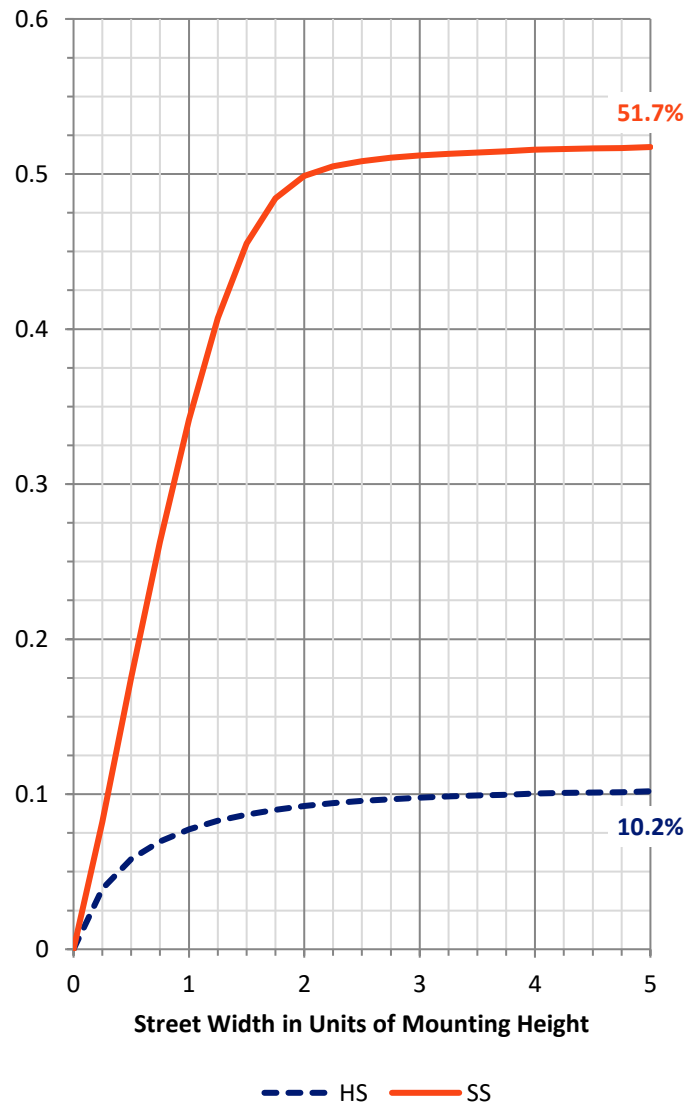
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 387.1 | 713.1 | 1100.2 |
| | % Fixture | 10.3 | 19.0 | 29.2 |
| Street Side | Lumens | 1948.9 | 713.1 | 2662.0 |
| | % Fixture | 51.8 | 19.0 | 70.8 |
| Total | Lumens | 2336.0 | 1426.2 | 3762.2 |
| | % Fixture | 62.1 | 37.9 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 29.0 | 0.8 |
| 10°-20° | 88.8 | 2.4 |
| 20°-30° | 157.7 | 4.2 |
| 30°-40° | 249.9 | 6.6 |
| 40°-50° | 374.8 | 10.0 |
| 50°-60° | 485.7 | 12.9 |
| 60°-70° | 551.9 | 14.7 |
| 70°-80° | 366.2 | 9.7 |
| 80°-90° | 32.0 | 0.9 |
| 90°-100° | 4.7 | 0.1 |
| 100°-110° | 69.0 | 1.8 |
| 110°-120° | 153.0 | 4.1 |
| 120°-130° | 223.9 | 6.0 |
| 130°-140° | 265.6 | 7.1 |
| 140°-150° | 269.3 | 7.2 |
| 150°-160° | 231.1 | 6.1 |
| 160°-170° | 155.1 | 4.1 |
| 170°-180° | 54.3 | 1.4 |
| 0°-90° | 2336.0 | 62.1 |
| 0°-180° | 3762.2 | 100.0 |



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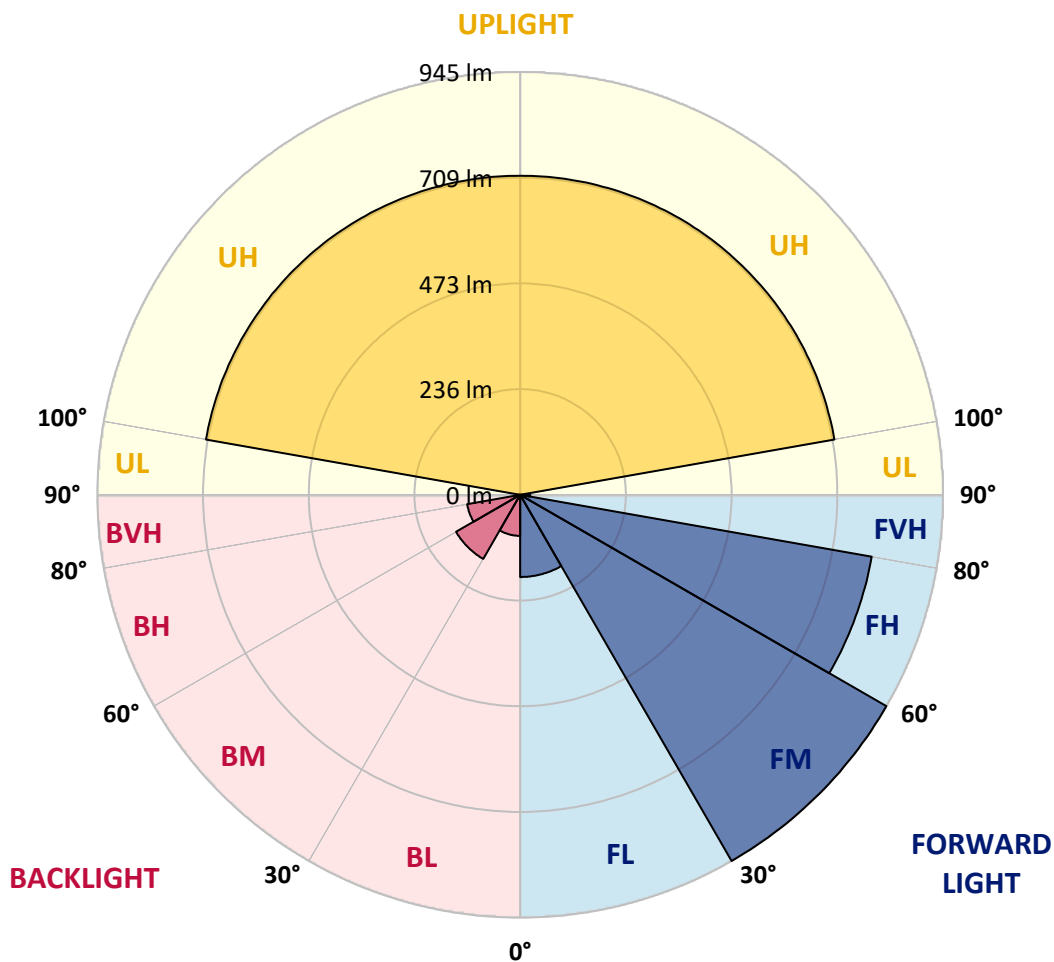
CATALOG NUMBER: ISS-AF-350-LED-E1-T2-7060-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|---------|---------|
| | | | B | U | G |
| FL (0°-30°) | 183.8 | 4.9 | | | |
| FM (30°-60°) | 945.0 | 25.1 | | | |
| FH (60°-80°) | 797.7 | 21.2 | | | G1/1800 |
| FVH (80°-90°) | 22.4 | 0.6 | | | G1/100 |
| BL (0°-30°) | 91.7 | 2.4 | B0/110 | | |
| BM (30°-60°) | 165.3 | 4.4 | B0/220 | | |
| BH (60°-80°) | 120.4 | 3.2 | B1/500 | | G1/500 |
| BVH (80°-90°) | 9.7 | 0.3 | | | G0/10 |
| UL (90°-100°) | 4.7 | 0.1 | | U1/10 | |
| UH (100°-180°) | 713.1 | 19.0 | | U4/1000 | |

BUG Rating: B1-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° | 311.9 | 311.9 | 311.9 | 311.9 | 311.9 | 311.9 | 311.9 | 311.9 | 311.9 | 311.9 | 311.9 |
| 2.5° | 337.9 | 336.3 | 335.5 | 334.0 | 332.4 | 331.6 | 329.2 | 327.6 | 330.0 | 329.2 | 329.2 |
| 5° | 363.1 | 361.5 | 359.2 | 356.8 | 353.6 | 351.3 | 348.9 | 346.6 | 348.1 | 346.6 | 345.0 |
| 7.5° | 383.6 | 382.0 | 378.8 | 376.5 | 373.3 | 370.2 | 367.0 | 366.2 | 364.7 | 362.3 | 361.5 |
| 10° | 395.4 | 393.8 | 392.2 | 390.7 | 385.9 | 383.6 | 379.6 | 377.3 | 378.1 | 374.9 | 374.9 |
| 12.5° | 406.4 | 404.8 | 404.0 | 404.0 | 400.1 | 397.7 | 396.2 | 393.8 | 395.4 | 390.7 | 389.1 |
| 15° | 416.7 | 415.1 | 412.7 | 415.1 | 414.3 | 413.5 | 412.7 | 411.9 | 414.3 | 409.6 | 410.3 |
| 17.5° | 433.2 | 432.4 | 427.7 | 424.5 | 425.3 | 427.7 | 429.3 | 428.5 | 428.5 | 426.1 | 426.9 |
| 20° | 459.2 | 459.2 | 452.9 | 447.4 | 438.7 | 438.7 | 439.5 | 438.7 | 440.3 | 441.9 | 444.2 |
| 22.5° | 478.9 | 477.3 | 474.9 | 470.2 | 460.8 | 452.9 | 452.9 | 449.7 | 452.1 | 452.9 | 457.6 |
| 25° | 504.1 | 502.5 | 497.0 | 497.0 | 487.5 | 477.3 | 475.7 | 471.0 | 476.5 | 466.3 | 474.1 |
| 27.5° | 534.8 | 533.2 | 526.1 | 523.0 | 518.3 | 505.7 | 502.5 | 503.3 | 508.8 | 493.8 | 501.7 |
| 30° | 573.4 | 571.8 | 563.1 | 554.5 | 546.6 | 533.2 | 531.6 | 530.9 | 543.5 | 526.1 | 536.4 |
| 32.5° | 622.2 | 622.2 | 612.8 | 601.0 | 585.2 | 567.1 | 560.8 | 561.6 | 578.9 | 560.0 | 577.3 |
| 35° | 696.3 | 686.8 | 669.5 | 651.4 | 634.8 | 613.6 | 604.9 | 603.3 | 619.1 | 600.2 | 619.9 |
| 37.5° | 743.5 | 737.2 | 721.5 | 708.1 | 690.0 | 669.5 | 663.2 | 665.5 | 678.9 | 651.4 | 679.7 |
| 40° | 786.0 | 785.3 | 775.0 | 766.4 | 748.2 | 727.8 | 735.6 | 767.1 | 802.6 | 749.0 | 749.8 |
| 42.5° | 814.4 | 816.0 | 815.2 | 816.0 | 805.7 | 784.5 | 797.9 | 842.0 | 902.6 | 871.1 | 842.0 |
| 45° | 819.1 | 824.6 | 827.0 | 842.8 | 853.0 | 840.4 | 847.5 | 893.9 | 1015.2 | 1064.1 | 932.5 |
| 47.5° | 830.9 | 836.5 | 831.7 | 850.6 | 897.9 | 897.1 | 925.5 | 942.8 | 959.3 | 967.2 | 1066.4 |
| 50° | 846.7 | 856.9 | 852.2 | 868.0 | 906.5 | 928.6 | 953.0 | 975.1 | 961.7 | 912.1 | 938.8 |
| 52.5° | 847.5 | 859.3 | 885.3 | 901.0 | 938.8 | 934.1 | 950.7 | 938.8 | 959.3 | 908.1 | 934.1 |
| 55° | 778.2 | 780.5 | 856.1 | 935.7 | 1001.9 | 988.5 | 978.2 | 951.4 | 977.4 | 913.6 | 946.7 |
| 57.5° | 668.7 | 676.6 | 755.3 | 889.2 | 1031.0 | 1042.8 | 1039.7 | 1037.3 | 1057.8 | 972.7 | 1008.9 |
| 60° | 548.2 | 557.6 | 632.5 | 790.0 | 970.3 | 1001.1 | 1043.6 | 1069.6 | 1122.4 | 1088.5 | 1148.3 |
| 62.5° | 341.8 | 348.9 | 431.6 | 628.5 | 856.1 | 916.8 | 979.0 | 1009.7 | 1086.1 | 1101.9 | 1203.5 |
| 65° | 163.0 | 165.4 | 197.7 | 341.8 | 622.2 | 736.4 | 828.6 | 893.9 | 987.7 | 1058.6 | 1195.6 |
| 67.5° | 126.8 | 127.6 | 139.4 | 181.9 | 319.0 | 395.4 | 500.1 | 586.8 | 686.8 | 880.6 | 1050.7 |
| 70° | 101.6 | 101.6 | 111.1 | 133.9 | 197.7 | 207.9 | 234.7 | 263.9 | 306.4 | 462.3 | 600.2 |
| 72.5° | 85.1 | 85.1 | 91.4 | 105.5 | 146.5 | 148.9 | 147.3 | 144.9 | 144.9 | 182.7 | 233.1 |
| 75° | 71.7 | 70.9 | 74.8 | 84.3 | 108.7 | 111.8 | 110.3 | 104.8 | 98.5 | 98.5 | 111.1 |
| 77.5° | 58.3 | 58.3 | 61.4 | 66.2 | 78.8 | 80.3 | 80.3 | 75.6 | 70.1 | 70.9 | 76.4 |
| 80° | 45.7 | 45.7 | 48.0 | 51.2 | 55.1 | 54.3 | 54.3 | 49.6 | 45.7 | 44.9 | 48.0 |
| 82.5° | 33.1 | 33.9 | 39.4 | 37.0 | 35.4 | 33.1 | 33.1 | 32.3 | 29.1 | 26.8 | 28.4 |
| 85° | 10.2 | 11.0 | 18.9 | 22.1 | 18.1 | 15.0 | 14.2 | 11.8 | 12.6 | 10.2 | 11.8 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.8 |
| 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-T2-7060-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-T2-7060-ULG

CANDELA DISTRIBUTION (continued):

| | 52.5° | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° | 75° | 77° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 311.9 | 311.9 | 311.9 | 311.9 | 311.9 | 311.9 | 311.9 | 311.9 | 311.9 | 311.9 | 311.9 |
| 2.5° | 325.3 | 326.9 | 323.7 | 323.7 | 319.8 | 322.1 | 318.2 | 319.0 | 315.0 | 316.6 | 316.6 |
| 5° | 341.0 | 341.8 | 337.9 | 336.3 | 332.4 | 332.4 | 328.4 | 328.4 | 322.9 | 324.5 | 322.9 |
| 7.5° | 356.0 | 356.0 | 352.1 | 348.9 | 345.0 | 343.4 | 338.7 | 336.3 | 331.6 | 330.8 | 328.4 |
| 10° | 368.6 | 368.6 | 363.1 | 359.9 | 355.2 | 352.9 | 346.6 | 344.2 | 338.7 | 334.7 | 332.4 |
| 12.5° | 384.4 | 382.8 | 376.5 | 373.3 | 365.5 | 364.7 | 355.2 | 353.6 | 345.8 | 343.4 | 339.5 |
| 15° | 403.3 | 404.8 | 394.6 | 393.8 | 382.8 | 382.0 | 369.4 | 368.6 | 356.8 | 356.0 | 350.5 |
| 17.5° | 423.7 | 426.9 | 418.2 | 417.4 | 404.0 | 404.0 | 389.1 | 388.3 | 372.5 | 371.8 | 364.7 |
| 20° | 441.9 | 445.8 | 440.3 | 441.9 | 430.0 | 430.8 | 414.3 | 414.3 | 392.2 | 390.7 | 384.4 |
| 22.5° | 458.4 | 466.3 | 461.5 | 470.2 | 458.4 | 463.9 | 441.9 | 445.8 | 419.8 | 416.7 | 407.2 |
| 25° | 474.9 | 485.2 | 483.6 | 497.8 | 489.1 | 498.6 | 475.7 | 483.6 | 449.7 | 452.1 | 439.5 |
| 27.5° | 491.5 | 504.9 | 503.3 | 523.8 | 520.6 | 539.5 | 519.8 | 528.5 | 491.5 | 493.8 | 479.7 |
| 30° | 519.0 | 534.0 | 528.5 | 549.8 | 549.8 | 580.5 | 565.5 | 578.9 | 537.9 | 542.7 | 526.1 |
| 32.5° | 556.1 | 573.4 | 556.8 | 584.4 | 582.8 | 623.0 | 611.2 | 634.0 | 593.9 | 600.2 | 579.7 |
| 35° | 596.2 | 623.8 | 597.0 | 627.7 | 623.0 | 664.8 | 656.9 | 693.9 | 651.4 | 658.4 | 638.0 |
| 37.5° | 649.0 | 682.1 | 646.6 | 673.4 | 652.1 | 700.2 | 695.5 | 745.9 | 702.6 | 720.7 | 696.3 |
| 40° | 711.2 | 737.2 | 693.1 | 715.9 | 680.5 | 730.1 | 722.2 | 791.6 | 751.4 | 780.5 | 758.5 |
| 42.5° | 768.7 | 786.8 | 728.5 | 756.9 | 714.4 | 764.8 | 750.6 | 834.1 | 799.4 | 844.3 | 819.9 |
| 45° | 820.7 | 841.2 | 764.0 | 795.5 | 748.2 | 803.4 | 779.0 | 875.0 | 851.4 | 919.2 | 894.7 |
| 47.5° | 894.7 | 864.8 | 796.3 | 837.2 | 784.5 | 845.1 | 812.8 | 923.1 | 914.4 | 1010.5 | 982.2 |
| 50° | 870.3 | 890.0 | 823.1 | 865.6 | 817.5 | 891.6 | 856.1 | 980.6 | 982.9 | 1109.8 | 1093.2 |
| 52.5° | 872.7 | 905.8 | 843.5 | 902.6 | 856.1 | 956.2 | 919.2 | 1049.9 | 1060.9 | 1205.8 | 1183.0 |
| 55° | 886.9 | 935.7 | 874.3 | 953.8 | 910.5 | 1027.8 | 1001.9 | 1124.7 | 1143.6 | 1296.4 | 1283.0 |
| 57.5° | 922.3 | 990.0 | 927.0 | 1031.0 | 986.1 | 1109.8 | 1086.1 | 1201.9 | 1227.9 | 1387.0 | 1383.1 |
| 60° | 1058.6 | 1138.9 | 1028.6 | 1143.6 | 1083.8 | 1202.7 | 1171.2 | 1283.0 | 1309.0 | 1473.6 | 1483.9 |
| 62.5° | 1210.6 | 1350.0 | 1284.6 | 1404.3 | 1246.0 | 1366.5 | 1273.6 | 1383.1 | 1384.6 | 1566.6 | 1598.9 |
| 65° | 1250.0 | 1464.2 | 1520.1 | 1743.0 | 1660.3 | 1784.0 | 1535.9 | 1609.1 | 1514.6 | 1735.9 | 1782.4 |
| 67.5° | 1235.0 | 1497.3 | 1652.4 | 1903.7 | 1997.4 | 2213.2 | 2171.5 | 2146.3 | 1927.3 | 2086.4 | 2142.3 |
| 70° | 906.5 | 1184.6 | 1564.2 | 1819.4 | 2089.6 | 2231.3 | 2455.8 | 2478.6 | 2469.2 | 2447.1 | 2484.2 |
| 72.5° | 412.7 | 647.4 | 1058.6 | 1350.0 | 1795.8 | 1891.1 | 2216.4 | 2210.1 | 2544.0 | 2461.3 | 2519.6 |
| 75° | 162.2 | 249.7 | 504.1 | 753.8 | 1242.1 | 1359.4 | 1728.0 | 1636.7 | 2053.3 | 1932.0 | 2056.5 |
| 77.5° | 89.0 | 111.8 | 189.0 | 323.7 | 678.1 | 740.4 | 1057.8 | 905.0 | 1273.6 | 1063.3 | 1105.0 |
| 80° | 53.6 | 66.9 | 86.6 | 122.9 | 288.3 | 304.8 | 451.3 | 363.9 | 520.6 | 395.4 | 383.6 |
| 82.5° | 29.1 | 36.2 | 43.3 | 60.6 | 107.1 | 118.9 | 155.9 | 140.2 | 167.0 | 142.6 | 139.4 |
| 85° | 11.8 | 15.8 | 16.5 | 24.4 | 35.4 | 41.0 | 49.6 | 53.6 | 65.4 | 59.9 | 58.3 |
| 87.5° | 0.0 | 0.8 | 0.0 | 1.6 | 0.0 | 1.6 | 0.0 | 2.4 | 2.4 | 3.9 | 4.7 |
| 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° | 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: P227547

CATALOG NUMBER: ISS-AF-350-LED-E1-T2-7060-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: P227547

CATALOG NUMBER: ISS-AF-350-LED-E1-T2-7060-ULG

CANDELA DISTRIBUTION (continued):

| | 77.5° | 80° | 82.5° | 85° | 87.5° | 90° | 95° | 100° | 102.5° | 105° | 107.5° |
|--------|--------|--------|--------|--------|--------|--------|-------|-------|--------|-------|--------|
| 0° | 311.9 | 311.9 | 311.9 | 311.9 | 311.9 | 311.9 | 311.9 | 311.9 | 311.9 | 311.9 | 311.9 |
| 2.5° | 314.3 | 316.6 | 313.5 | 313.5 | 309.5 | 311.9 | 309.5 | 307.2 | 303.2 | 304.0 | 298.5 |
| 5° | 319.8 | 321.3 | 317.4 | 315.8 | 313.5 | 312.7 | 308.0 | 303.2 | 297.7 | 297.7 | 291.4 |
| 7.5° | 325.3 | 325.3 | 319.8 | 319.8 | 314.3 | 312.7 | 305.6 | 297.7 | 289.8 | 289.1 | 279.6 |
| 10° | 328.4 | 327.6 | 320.6 | 320.6 | 312.7 | 311.9 | 303.2 | 291.4 | 280.4 | 277.2 | 263.9 |
| 12.5° | 334.7 | 334.0 | 325.3 | 323.7 | 313.5 | 313.5 | 300.9 | 285.1 | 269.4 | 263.9 | 244.9 |
| 15° | 342.6 | 343.4 | 333.2 | 330.8 | 319.0 | 318.2 | 300.9 | 277.2 | 256.0 | 247.3 | 224.5 |
| 17.5° | 355.2 | 356.0 | 341.8 | 339.5 | 325.3 | 322.9 | 301.7 | 267.8 | 237.9 | 228.4 | 207.9 |
| 20° | 371.8 | 369.4 | 350.5 | 349.7 | 330.8 | 328.4 | 300.9 | 253.6 | 219.7 | 210.3 | 192.2 |
| 22.5° | 392.2 | 389.9 | 365.5 | 363.1 | 341.0 | 337.1 | 300.1 | 238.6 | 203.2 | 193.0 | 181.2 |
| 25° | 420.6 | 417.4 | 387.5 | 384.4 | 356.8 | 350.5 | 299.3 | 222.9 | 189.0 | 181.2 | 174.1 |
| 27.5° | 456.0 | 449.7 | 413.5 | 410.3 | 373.3 | 365.5 | 296.1 | 204.8 | 174.9 | 169.3 | 166.2 |
| 30° | 498.6 | 493.0 | 446.6 | 441.9 | 395.4 | 385.1 | 293.0 | 188.2 | 164.6 | 162.2 | 159.9 |
| 32.5° | 549.0 | 543.5 | 486.7 | 481.2 | 423.7 | 408.8 | 287.5 | 174.9 | 158.3 | 158.3 | 155.2 |
| 35° | 601.7 | 597.0 | 530.1 | 526.1 | 455.2 | 435.6 | 280.4 | 163.0 | 152.8 | 152.8 | 149.6 |
| 37.5° | 649.0 | 652.9 | 577.3 | 574.2 | 486.7 | 462.3 | 272.5 | 155.2 | 148.1 | 146.5 | 143.3 |
| 40° | 700.2 | 709.6 | 621.4 | 623.8 | 519.8 | 490.7 | 263.1 | 148.9 | 142.6 | 141.0 | 140.2 |
| 42.5° | 752.2 | 770.3 | 667.9 | 676.6 | 552.9 | 519.8 | 256.0 | 144.9 | 140.2 | 137.0 | 136.3 |
| 45° | 816.8 | 842.8 | 725.4 | 741.9 | 591.5 | 555.3 | 253.6 | 140.2 | 133.1 | 129.2 | 126.8 |
| 47.5° | 897.1 | 931.8 | 796.3 | 815.2 | 642.7 | 597.8 | 258.3 | 138.6 | 128.4 | 123.7 | 118.9 |
| 50° | 992.4 | 1025.5 | 880.6 | 888.4 | 700.2 | 644.3 | 268.6 | 141.0 | 126.8 | 119.7 | 112.6 |
| 52.5° | 1093.2 | 1118.4 | 969.6 | 960.9 | 760.1 | 690.0 | 280.4 | 141.8 | 122.9 | 115.8 | 107.1 |
| 55° | 1197.2 | 1211.4 | 1052.3 | 1029.4 | 814.4 | 735.6 | 296.1 | 141.0 | 119.7 | 111.8 | 100.8 |
| 57.5° | 1298.8 | 1303.5 | 1125.5 | 1103.5 | 868.0 | 790.0 | 315.8 | 138.6 | 115.0 | 107.1 | 95.3 |
| 60° | 1398.0 | 1405.9 | 1206.6 | 1186.2 | 926.2 | 860.1 | 344.2 | 134.7 | 108.7 | 103.2 | 90.6 |
| 62.5° | 1506.7 | 1532.7 | 1303.5 | 1306.7 | 1006.6 | 969.6 | 397.7 | 130.0 | 102.4 | 96.1 | 83.5 |
| 65° | 1654.8 | 1754.0 | 1463.4 | 1537.4 | 1161.0 | 1175.9 | 500.1 | 116.6 | 93.7 | 85.9 | 77.2 |
| 67.5° | 2025.8 | 2134.4 | 1851.7 | 1881.6 | 1522.5 | 1433.5 | 564.7 | 99.2 | 82.7 | 77.2 | 71.7 |
| 70° | 2490.5 | 2412.5 | 2211.6 | 2030.5 | 1733.5 | 1473.6 | 497.0 | 83.5 | 73.2 | 70.1 | 66.9 |
| 72.5° | 2618.0 | 2338.4 | 2173.0 | 1901.3 | 1602.8 | 1285.4 | 380.4 | 71.7 | 65.4 | 63.8 | 61.4 |
| 75° | 2300.6 | 1895.8 | 1905.3 | 1510.7 | 1328.7 | 979.8 | 259.9 | 61.4 | 56.7 | 55.9 | 55.1 |
| 77.5° | 1471.3 | 974.3 | 1186.2 | 746.7 | 767.1 | 453.7 | 126.8 | 51.2 | 48.8 | 48.8 | 47.3 |
| 80° | 523.0 | 324.5 | 367.0 | 235.5 | 214.2 | 144.1 | 68.5 | 41.0 | 39.4 | 40.2 | 39.4 |
| 82.5° | 156.7 | 124.4 | 122.1 | 95.3 | 74.0 | 60.6 | 37.8 | 31.5 | 29.9 | 30.7 | 29.1 |
| 85° | 63.0 | 48.8 | 41.0 | 31.5 | 26.0 | 23.6 | 20.5 | 21.3 | 18.9 | 20.5 | 18.1 |
| 87.5° | 3.9 | 3.2 | 2.4 | 3.2 | 0.0 | 1.6 | 3.9 | 3.2 | 0.8 | 3.2 | 2.4 |
| 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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| | | | | | | | | | | | | 97.5° |
| | | | | | | | | | | | | 100° |
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| | | | | | | | | | | | | 105° |
| | | | | | | | | | | | | 107.5° |
| | | | | | | | | | | | | 110° |

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 NUMBER: ISS-AF-350-LED-E1-T2-7060-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° | |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|-------|-------|--------|-------|
| 311.9 | 311.9 | 311.9 | 311.9 | 311.9 | 311.9 | 311.9 | 311.9 | 311.9 | 311.9 | 311.9 | 112.5° | 135.5 |
| 302.4 | 296.9 | 299.3 | 296.9 | 298.5 | 293.8 | 295.4 | 291.4 | 291.4 | 290.6 | 286.7 | 115° | 158.0 |
| 292.2 | 286.7 | 285.9 | 280.4 | 281.2 | 274.9 | 274.1 | 267.0 | 267.0 | 260.7 | 248.9 | 117.5° | 180.5 |
| 278.0 | 269.4 | 268.6 | 257.6 | 256.8 | 248.1 | 244.9 | 237.1 | 236.3 | 229.2 | 222.1 | 120° | 204.0 |
| 259.9 | 246.5 | 244.2 | 230.0 | 230.8 | 221.3 | 220.5 | 215.0 | 215.0 | 211.9 | 211.9 | 122.5° | 228.5 |
| 239.4 | 224.5 | 222.9 | 211.9 | 212.7 | 206.4 | 207.1 | 204.0 | 205.6 | 207.1 | 212.7 | 125° | 254.0 |
| 220.5 | 208.7 | 207.1 | 200.1 | 200.8 | 199.3 | 201.6 | 201.6 | 204.0 | 207.9 | 217.4 | 127.5° | 277.5 |
| 204.8 | 194.5 | 195.3 | 192.2 | 195.3 | 194.5 | 199.3 | 198.5 | 203.2 | 207.9 | 219.7 | 130° | 301.5 |
| 190.6 | 185.1 | 187.5 | 186.7 | 190.6 | 190.6 | 194.5 | 195.3 | 199.3 | 205.6 | 219.0 | 132.5° | 325.5 |
| 181.2 | 179.6 | 181.9 | 181.9 | 185.1 | 185.9 | 189.8 | 192.2 | 194.5 | 200.8 | 212.7 | 135° | 348.5 |
| 175.6 | 174.9 | 177.2 | 178.0 | 180.4 | 181.2 | 185.1 | 185.1 | 189.0 | 193.0 | 199.3 | 137.5° | 369.5 |
| 167.8 | 166.2 | 169.3 | 169.3 | 172.5 | 171.7 | 176.4 | 174.9 | 178.8 | 180.4 | 181.9 | 140° | 391.0 |
| 162.2 | 159.9 | 162.2 | 161.5 | 163.8 | 161.5 | 163.8 | 161.5 | 163.8 | 163.8 | 161.5 | 142.5° | 412.5 |
| 156.7 | 154.4 | 155.2 | 152.0 | 154.4 | 151.2 | 152.0 | 148.9 | 150.4 | 148.9 | 149.6 | 145° | 433.5 |
| 151.2 | 148.1 | 148.1 | 144.1 | 144.1 | 140.2 | 141.8 | 138.6 | 141.8 | 144.1 | 143.3 | 147.5° | 452.5 |
| 143.3 | 141.0 | 141.0 | 137.8 | 139.4 | 137.8 | 141.0 | 139.4 | 140.2 | 137.0 | 131.5 | 150° | 469.0 |
| 138.6 | 140.2 | 139.4 | 141.8 | 140.2 | 137.8 | 135.5 | 130.7 | 130.0 | 128.4 | 125.2 | 152.5° | 486.0 |
| 131.5 | 133.1 | 129.2 | 132.3 | 130.0 | 130.7 | 129.2 | 126.8 | 125.2 | 123.7 | 120.5 | 155° | 503.5 |
| 121.3 | 121.3 | 118.1 | 122.9 | 120.5 | 125.2 | 123.7 | 123.7 | 122.1 | 119.7 | 117.4 | 157.5° | 517.5 |
| 112.6 | 113.4 | 110.3 | 114.2 | 112.6 | 118.9 | 118.1 | 120.5 | 120.5 | 118.9 | 112.6 | 160° | 530.0 |
| 107.1 | 105.5 | 103.2 | 107.1 | 106.3 | 111.8 | 112.6 | 117.4 | 116.6 | 117.4 | 111.8 | 162.5° | 539.0 |
| 102.4 | 99.2 | 96.9 | 99.2 | 99.2 | 104.0 | 105.5 | 111.1 | 111.8 | 113.4 | 110.3 | 165° | 549.0 |
| 96.9 | 92.9 | 91.4 | 92.9 | 92.9 | 97.7 | 100.0 | 104.0 | 106.3 | 111.1 | 109.5 | 167.5° | 558.5 |
| 92.2 | 86.6 | 85.1 | 86.6 | 87.4 | 92.2 | 94.5 | 98.5 | 101.6 | 107.9 | 107.1 | 170° | 565.0 |
| 86.6 | 81.9 | 80.3 | 82.7 | 83.5 | 88.2 | 90.6 | 94.5 | 96.9 | 104.0 | 104.0 | 172.5° | 567.5 |
| 80.3 | 76.4 | 76.4 | 77.2 | 78.8 | 83.5 | 85.1 | 90.6 | 91.4 | 100.0 | 100.8 | 175° | 569.0 |
| 74.8 | 72.5 | 72.5 | 73.2 | 74.8 | 78.8 | 79.5 | 85.1 | 85.9 | 94.5 | 96.9 | 177.5° | 574.0 |
| 70.1 | 68.5 | 68.5 | 69.3 | 70.1 | 73.2 | 74.0 | 79.5 | 81.1 | 89.0 | 92.9 | 180° | 576.0 |
| 65.4 | 63.8 | 63.0 | 63.0 | 65.4 | 67.7 | 69.3 | 74.8 | 75.6 | 82.7 | 87.4 | | |
| 59.9 | 58.3 | 58.3 | 57.5 | 59.9 | 61.4 | 64.6 | 67.7 | 69.3 | 76.4 | 79.5 | | |
| 54.3 | 52.8 | 52.8 | 52.0 | 53.6 | 56.7 | 57.5 | 60.6 | 61.4 | 67.7 | 70.9 | | |
| 47.3 | 45.7 | 45.7 | 45.7 | 47.3 | 48.0 | 48.8 | 52.0 | 53.6 | 59.1 | 62.2 | | |
| 39.4 | 37.8 | 38.6 | 37.8 | 40.2 | 37.0 | 39.4 | 42.5 | 44.1 | 47.3 | 45.7 | | |
| 29.9 | 27.6 | 28.4 | 28.4 | 29.1 | 26.8 | 28.4 | 29.9 | 31.5 | 33.9 | 33.1 | | |
| 18.9 | 16.5 | 18.1 | 16.5 | 18.1 | 15.8 | 17.3 | 17.3 | 18.9 | 17.3 | 16.5 | | |
| 3.9 | 1.6 | 3.9 | 1.6 | 4.7 | 0.0 | 2.4 | 0.0 | 1.6 | 0.8 | 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-T2-7060-ULG

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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° | 311.9 | 311.9 |
| 158.0 | 158.0 | 158.0 | 158.0 | 158.0 | 158.0 | 157.5 | 157.0 | 156.0 | 154.0 | 2.5° | 282.8 | 279.6 |
| 180.8 | 181.0 | 180.8 | 180.5 | 180.2 | 180.0 | 179.8 | 179.5 | 179.0 | 177.0 | 5° | 242.6 | 237.1 |
| 204.0 | 204.0 | 204.0 | 204.0 | 204.0 | 204.0 | 203.5 | 203.0 | 202.0 | 201.0 | 7.5° | 218.2 | 216.6 |
| 228.2 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 227.8 | 227.5 | 227.0 | 226.0 | 10° | 213.4 | 215.8 |
| 254.0 | 254.0 | 253.8 | 253.5 | 253.2 | 253.0 | 252.8 | 252.5 | 252.0 | 251.0 | 12.5° | 219.0 | 222.9 |
| 277.2 | 277.0 | 277.2 | 277.5 | 277.8 | 278.0 | 277.5 | 277.0 | 276.0 | 274.0 | 15° | 226.0 | 233.1 |
| 301.2 | 301.0 | 301.0 | 301.0 | 301.0 | 301.0 | 300.5 | 300.0 | 299.0 | 298.0 | 17.5° | 231.6 | 241.0 |
| 325.2 | 325.0 | 325.0 | 325.0 | 325.0 | 325.0 | 324.2 | 323.5 | 322.0 | 321.0 | 20° | 232.3 | 241.8 |
| 348.2 | 348.0 | 348.0 | 348.0 | 348.0 | 348.0 | 347.2 | 346.5 | 345.0 | 345.0 | 22.5° | 225.3 | 231.6 |
| 369.2 | 369.0 | 369.0 | 369.0 | 369.0 | 369.0 | 368.5 | 368.0 | 367.0 | 367.0 | 25° | 207.1 | 210.3 |
| 390.5 | 390.0 | 390.0 | 390.0 | 390.0 | 390.0 | 389.8 | 389.5 | 389.0 | 388.0 | 27.5° | 184.3 | 183.5 |
| 412.2 | 412.0 | 412.0 | 412.0 | 412.0 | 412.0 | 411.5 | 411.0 | 410.0 | 410.0 | 30° | 160.7 | 159.1 |
| 433.2 | 433.0 | 433.2 | 433.5 | 433.8 | 434.0 | 433.5 | 433.0 | 432.0 | 431.0 | 32.5° | 152.0 | 146.5 |
| 452.2 | 452.0 | 452.5 | 453.0 | 453.5 | 454.0 | 453.8 | 453.5 | 453.0 | 452.0 | 35° | 138.6 | 137.0 |
| 469.0 | 469.0 | 469.5 | 470.0 | 470.5 | 471.0 | 470.8 | 470.5 | 470.0 | 469.0 | 37.5° | 133.9 | 147.3 |
| 486.0 | 486.0 | 486.2 | 486.5 | 486.8 | 487.0 | 486.8 | 486.5 | 486.0 | 485.0 | 40° | 128.4 | 144.9 |
| 503.2 | 503.0 | 503.2 | 503.5 | 503.8 | 504.0 | 503.8 | 503.5 | 503.0 | 503.0 | 42.5° | 123.7 | 133.1 |
| 517.2 | 517.0 | 517.5 | 518.0 | 518.5 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 45° | 115.0 | 118.9 |
| 530.0 | 530.0 | 530.5 | 531.0 | 531.5 | 532.0 | 532.0 | 532.0 | 532.0 | 532.0 | 47.5° | 111.1 | 109.5 |
| 539.5 | 540.0 | 540.5 | 541.0 | 541.5 | 542.0 | 541.8 | 541.5 | 541.0 | 541.0 | 50° | 107.9 | 107.9 |
| 549.5 | 550.0 | 550.8 | 551.5 | 552.2 | 553.0 | 552.8 | 552.5 | 552.0 | 552.0 | 52.5° | 105.5 | 104.0 |
| 558.2 | 558.0 | 558.5 | 559.0 | 559.5 | 560.0 | 560.0 | 560.0 | 560.0 | 561.0 | 55° | 102.4 | 100.8 |
| 564.5 | 564.0 | 564.2 | 564.5 | 564.8 | 565.0 | 565.2 | 565.5 | 566.0 | 567.0 | 57.5° | 100.0 | 96.1 |
| 567.2 | 567.0 | 567.5 | 568.0 | 568.5 | 569.0 | 568.8 | 568.5 | 568.0 | 569.0 | 60° | 97.7 | 93.7 |
| 569.5 | 570.0 | 570.8 | 571.5 | 572.2 | 573.0 | 572.8 | 572.5 | 572.0 | 572.0 | 62.5° | 96.1 | 91.4 |
| 574.0 | 574.0 | 574.8 | 575.5 | 576.2 | 577.0 | 577.0 | 577.0 | 577.0 | 578.0 | 65° | 93.7 | 89.0 |
| 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 67.5° | 90.6 | 84.3 |
| | | | | | | | | | | 70° | 84.3 | 78.8 |
| | | | | | | | | | | 72.5° | 78.0 | 71.7 |
| | | | | | | | | | | 75° | 68.5 | 63.0 |
| | | | | | | | | | | 77.5° | 57.5 | 51.2 |
| | | | | | | | | | | 80° | 43.3 | 39.4 |
| | | | | | | | | | | 82.5° | 31.5 | 26.8 |
| | | | | | | | | | | 85° | 14.2 | 10.2 |
| | | | | | | | | | | 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° |
|-------|-------|
| 311.9 | 311.9 |
| 278.0 | 277.2 |
| 235.5 | 233.9 |
| 216.6 | 215.8 |
| 216.6 | 216.6 |
| 226.0 | 226.0 |
| 237.1 | 237.1 |
| 244.9 | 245.7 |
| 247.3 | 248.1 |
| 235.5 | 235.5 |
| 212.7 | 212.7 |
| 182.7 | 185.9 |
| 155.9 | 159.1 |
| 138.6 | 141.0 |
| 133.1 | 133.9 |
| 146.5 | 147.3 |
| 144.1 | 145.7 |
| 123.7 | 124.4 |
| 111.1 | 111.1 |
| 106.3 | 105.5 |
| 106.3 | 104.8 |
| 109.5 | 108.7 |
| 104.8 | 104.8 |
| 102.4 | 102.4 |
| 100.0 | 100.0 |
| 99.2 | 98.5 |
| 99.2 | 97.7 |
| 97.7 | 95.3 |
| 92.2 | 85.9 |
| 78.8 | 73.2 |
| 63.8 | 63.0 |
| 49.6 | 50.4 |
| 37.8 | 37.8 |
| 27.6 | 22.8 |
| 7.9 | 7.9 |
| 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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