

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: P227742

Luminaire Tested: **ISC-AF-350-LED-E1-T3-7060-ULG**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P227742  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29759)-DOWNLIGHT AND  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: ISC-AF-350-LED-E1-T3-7060-ULG  
Description: IMPACT ELITE LED CYLINDER LUMINAIRE WITH UPLIGHT  
LIGHT SQUARE WITH ACCULED OPTICS-TYPE III, WITH UPLIGHT GLOW  
Light Source: (16) 5700K CCT, 70 CRI LEDs and (1) UPLIGHT LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

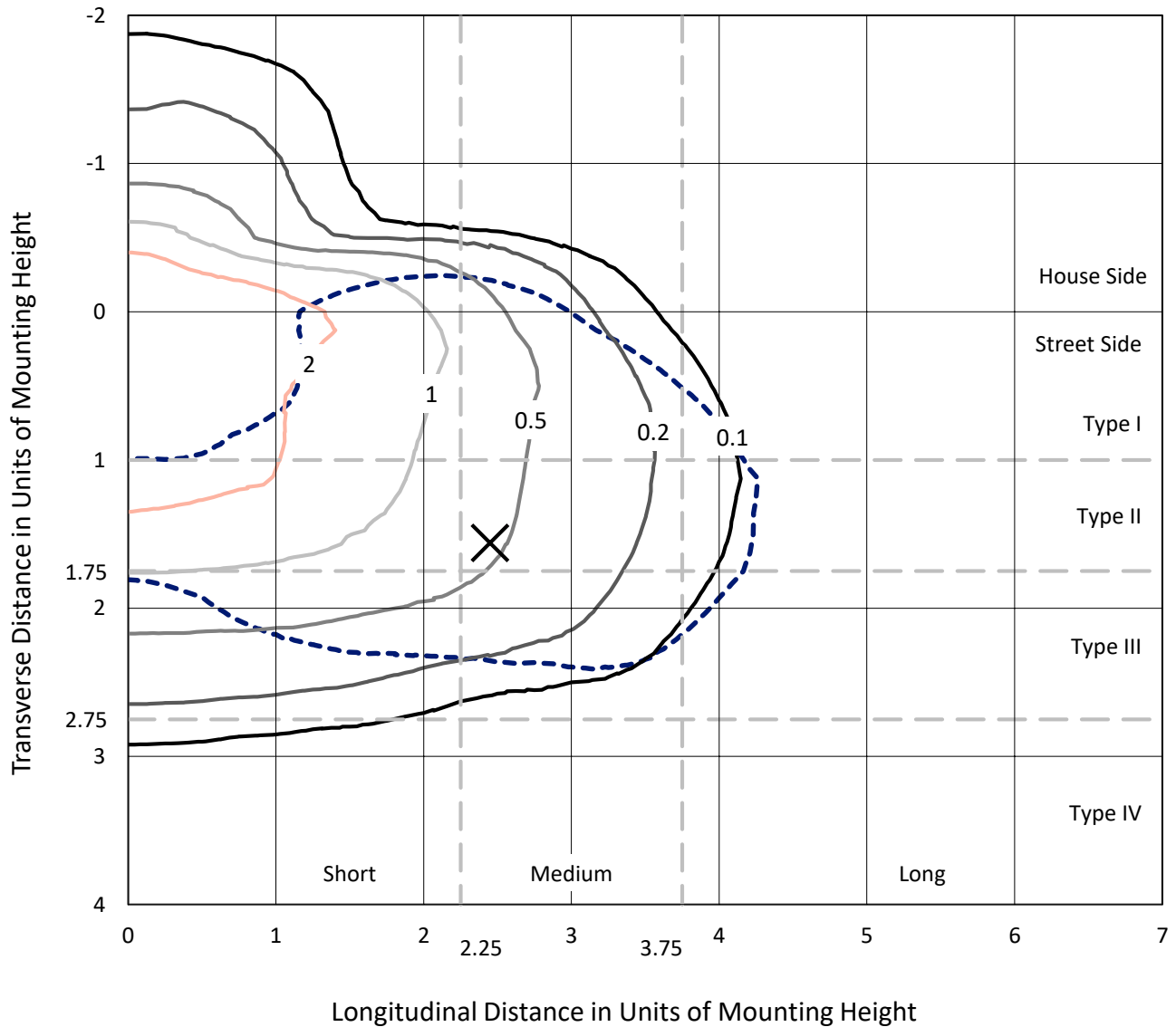
Lumens per Lamp: N/A  
Luminaire Lumens: 3811.2 lumens  
Efficiency: N/A  
Efficacy: 103.6 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B1 - U5 - G1  
  
Input Watts (W): 36.79  
Input Voltage (V): 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

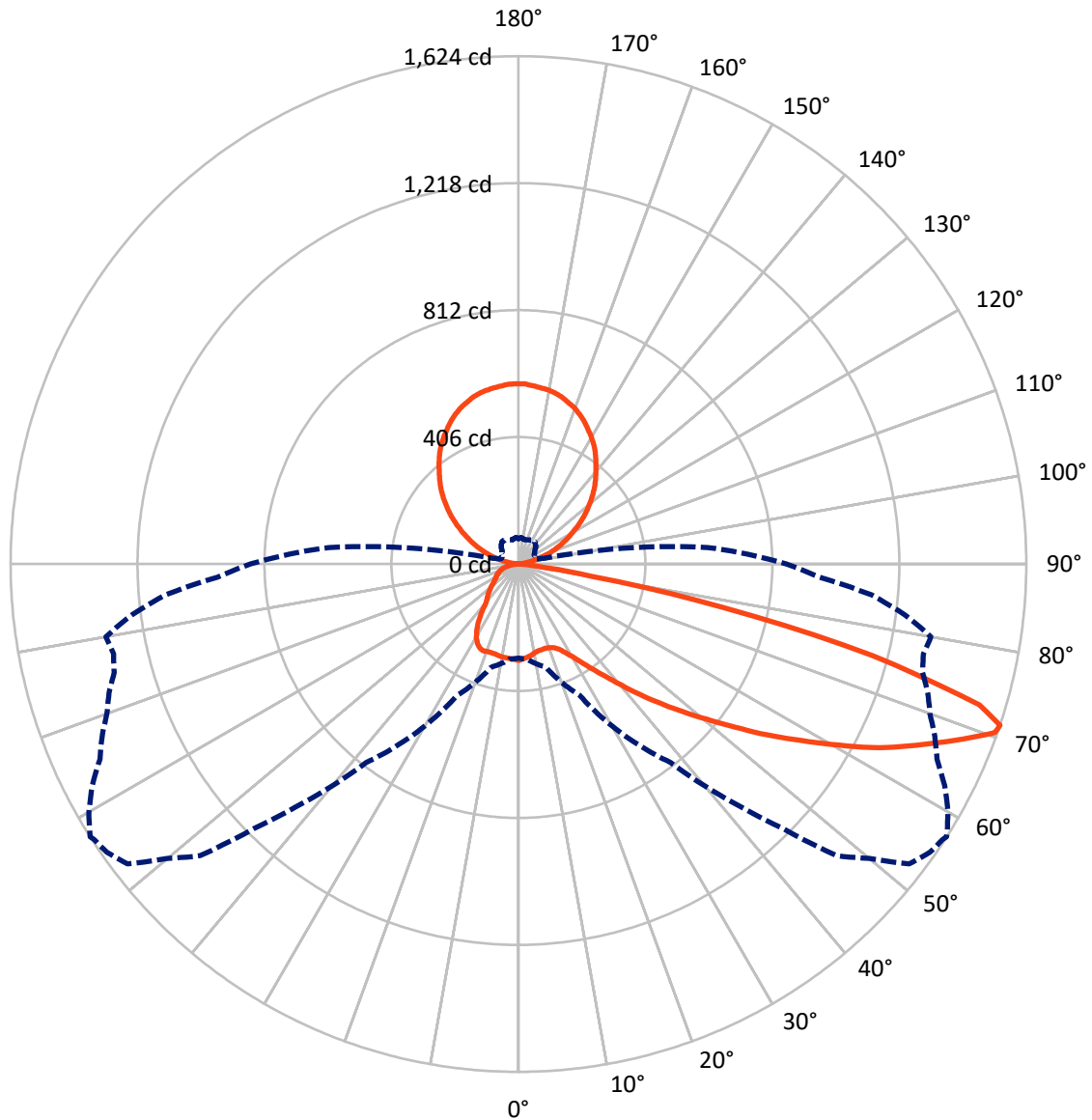
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.1 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57.5-Deg Lateral    - - - Horizontal Cone Through 71-Deg Vertical

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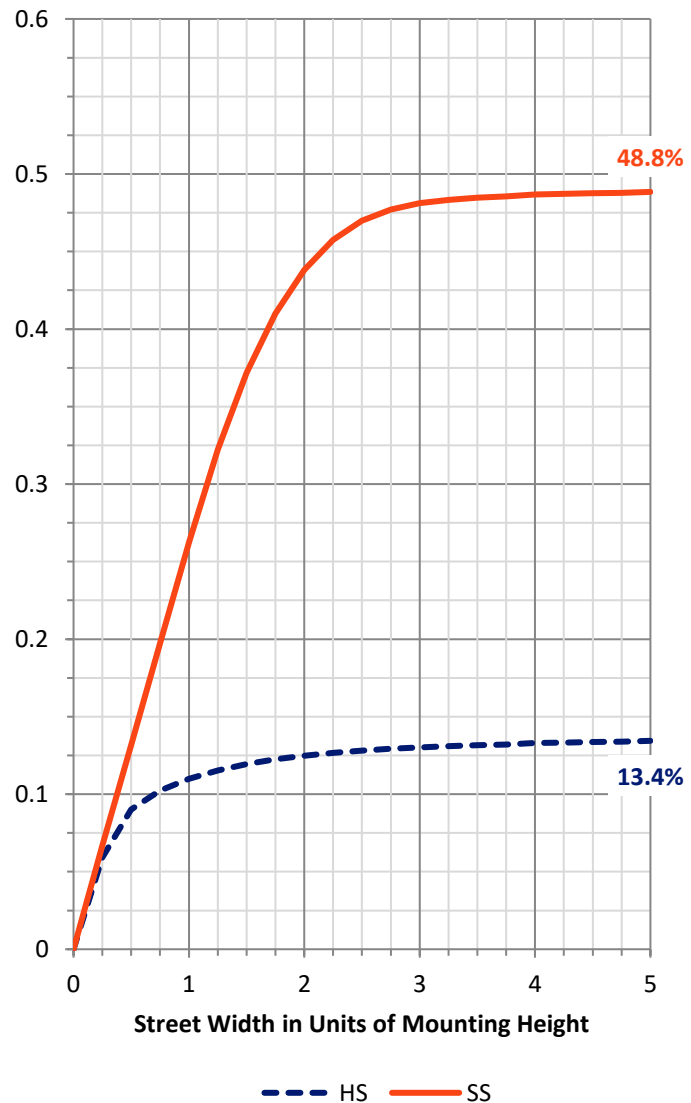
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 519.2    | 713.1  | 1232.3 |
|                    | % Fixture | 13.6     | 18.7   | 32.3   |
| <b>Street Side</b> | Lumens    | 1865.8   | 713.1  | 2578.9 |
|                    | % Fixture | 49.0     | 18.7   | 67.7   |
| <b>Total</b>       | Lumens    | 2385.0   | 1426.2 | 3811.2 |
|                    | % Fixture | 62.6     | 37.4   | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 29.0   | 0.8       |
| 10°-20°   | 83.6   | 2.2       |
| 20°-30°   | 138.7  | 3.6       |
| 30°-40°   | 220.8  | 5.8       |
| 40°-50°   | 358.7  | 9.4       |
| 50°-60°   | 537.8  | 14.1      |
| 60°-70°   | 641.6  | 16.8      |
| 70°-80°   | 346.5  | 9.1       |
| 80°-90°   | 28.2   | 0.7       |
| 90°-100°  | 4.7    | 0.1       |
| 100°-110° | 69.0   | 1.8       |
| 110°-120° | 153.0  | 4.0       |
| 120°-130° | 223.9  | 5.9       |
| 130°-140° | 265.6  | 7.0       |
| 140°-150° | 269.3  | 7.1       |
| 150°-160° | 231.1  | 6.1       |
| 160°-170° | 155.1  | 4.1       |
| 170°-180° | 54.3   | 1.4       |
| 0°-90°    | 2385.0 | 62.6      |
| 0°-180°   | 3811.2 | 100.0     |



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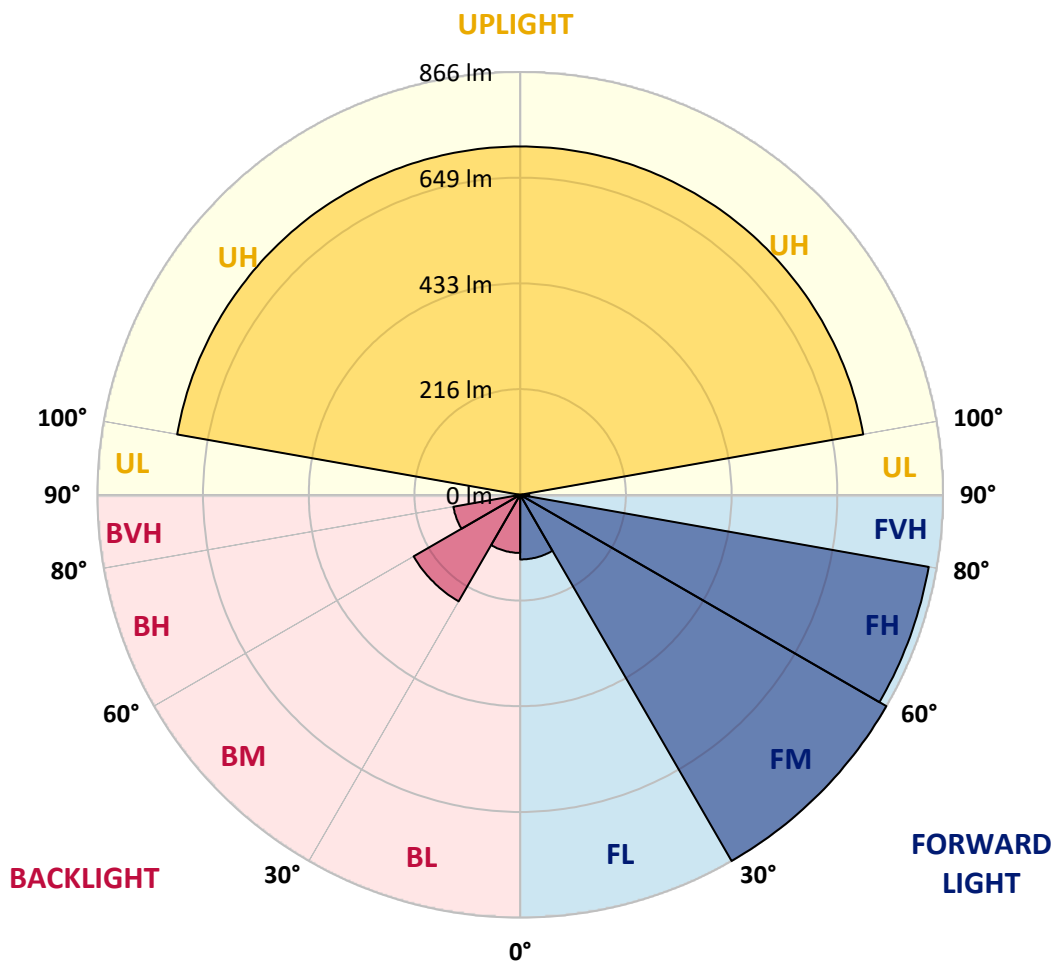
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |         |         |
|----------------|--------|-----------|-------------------------|---------|---------|
|                |        |           | B                       | U       | G       |
| FL (0°-30°)    | 132.3  | 3.5       |                         |         |         |
| FM (30°-60°)   | 865.6  | 22.7      |                         |         |         |
| FH (60°-80°)   | 849.3  | 22.3      |                         |         | G1/1800 |
| FVH (80°-90°)  | 18.6   | 0.5       |                         |         | G1/100  |
| BL (0°-30°)    | 118.9  | 3.1       | B1/500                  |         |         |
| BM (30°-60°)   | 251.8  | 6.6       | B1/1000                 |         |         |
| BH (60°-80°)   | 138.9  | 3.6       | B1/500                  |         | G1/500  |
| BVH (80°-90°)  | 9.6    | 0.3       |                         |         | G0/10   |
| UL (90°-100°)  | 4.7    | 0.1       |                         | U1/10   |         |
| UH (100°-180°) | 713.1  | 18.7      |                         | U4/1000 |         |

**BUG Rating: B1-U5-G1**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 15°   | 25°    | 35°    | 37.5°  | 40°    | 42.5°  | 45°    | 47.5°  | 50°    |
|--------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 308.1 | 308.1 | 308.1 | 308.1  | 308.1  | 308.1  | 308.1  | 308.1  | 308.1  | 308.1  | 308.1  |
| 2.5°   | 308.1 | 307.3 | 306.5 | 306.5  | 306.5  | 305.7  | 303.4  | 304.2  | 306.5  | 305.0  | 307.3  |
| 5°     | 307.3 | 305.7 | 305.0 | 305.0  | 305.0  | 302.6  | 301.8  | 301.0  | 305.7  | 301.8  | 305.0  |
| 7.5°   | 298.6 | 298.6 | 297.1 | 298.6  | 300.2  | 297.9  | 296.3  | 297.1  | 301.0  | 297.1  | 301.0  |
| 10°    | 292.3 | 290.8 | 290.0 | 290.0  | 291.6  | 288.4  | 286.8  | 288.4  | 293.1  | 288.4  | 293.9  |
| 12.5°  | 290.0 | 290.8 | 288.4 | 288.4  | 287.6  | 283.7  | 283.7  | 283.7  | 287.6  | 283.7  | 288.4  |
| 15°    | 293.9 | 293.1 | 290.8 | 289.2  | 286.8  | 283.7  | 282.9  | 283.7  | 286.8  | 282.1  | 287.6  |
| 17.5°  | 299.4 | 299.4 | 295.5 | 291.6  | 289.2  | 286.0  | 286.0  | 284.5  | 286.8  | 283.7  | 287.6  |
| 20°    | 313.6 | 311.3 | 305.7 | 299.4  | 293.1  | 291.6  | 288.4  | 288.4  | 290.0  | 286.8  | 289.2  |
| 22.5°  | 338.0 | 335.7 | 326.2 | 314.4  | 304.2  | 300.2  | 298.6  | 297.9  | 296.3  | 294.7  | 294.7  |
| 25°    | 370.4 | 366.4 | 355.4 | 341.2  | 323.9  | 320.7  | 317.6  | 315.2  | 309.7  | 309.7  | 305.7  |
| 27.5°  | 405.0 | 401.1 | 389.3 | 373.5  | 352.2  | 347.5  | 343.6  | 340.4  | 331.0  | 331.0  | 323.9  |
| 30°    | 444.4 | 439.7 | 425.5 | 408.2  | 383.8  | 382.2  | 376.7  | 371.9  | 359.3  | 358.5  | 349.1  |
| 32.5°  | 490.1 | 483.8 | 469.6 | 446.8  | 420.8  | 421.6  | 412.9  | 409.8  | 393.2  | 394.0  | 381.4  |
| 35°    | 542.1 | 535.0 | 520.9 | 490.9  | 464.1  | 466.5  | 458.6  | 453.1  | 432.6  | 432.6  | 419.2  |
| 37.5°  | 597.3 | 597.3 | 579.2 | 544.5  | 512.2  | 517.7  | 508.3  | 502.7  | 482.3  | 485.4  | 464.1  |
| 40°    | 658.8 | 662.7 | 643.0 | 603.6  | 570.5  | 572.9  | 565.8  | 559.5  | 535.0  | 540.6  | 517.7  |
| 42.5°  | 723.4 | 730.5 | 713.1 | 672.2  | 635.1  | 643.0  | 631.2  | 624.9  | 598.9  | 610.7  | 583.9  |
| 45°    | 817.2 | 818.7 | 786.4 | 747.0  | 716.3  | 723.4  | 706.8  | 704.5  | 672.2  | 684.8  | 658.0  |
| 47.5°  | 876.3 | 872.3 | 848.7 | 825.0  | 806.9  | 821.1  | 806.1  | 802.2  | 765.1  | 773.8  | 736.0  |
| 50°    | 916.4 | 918.8 | 900.7 | 898.3  | 901.5  | 928.3  | 925.9  | 918.0  | 873.9  | 867.6  | 820.3  |
| 52.5°  | 952.7 | 942.4 | 939.3 | 961.4  | 995.2  | 1026.8 | 1039.4 | 1029.1 | 981.1  | 963.7  | 918.0  |
| 55°    | 946.4 | 931.4 | 948.0 | 1001.5 | 1068.5 | 1117.4 | 1119.0 | 1111.9 | 1068.5 | 1061.4 | 1011.8 |
| 57.5°  | 903.8 | 907.0 | 940.9 | 1017.3 | 1130.8 | 1181.2 | 1189.9 | 1181.2 | 1145.7 | 1152.0 | 1111.1 |
| 60°    | 844.7 | 851.0 | 904.6 | 1003.1 | 1180.4 | 1223.8 | 1227.7 | 1237.9 | 1214.3 | 1230.8 | 1202.5 |
| 62.5°  | 756.5 | 765.1 | 833.7 | 967.7  | 1145.7 | 1210.4 | 1246.6 | 1270.2 | 1265.5 | 1303.3 | 1288.4 |
| 65°    | 695.0 | 695.0 | 762.0 | 926.7  | 1111.9 | 1197.0 | 1251.3 | 1295.5 | 1301.8 | 1361.7 | 1356.1 |
| 67.5°  | 580.8 | 584.7 | 642.2 | 812.4  | 1070.9 | 1167.0 | 1249.0 | 1323.8 | 1361.7 | 1456.2 | 1460.9 |
| 70°    | 401.9 | 405.0 | 442.9 | 580.0  | 865.2  | 947.2  | 1067.7 | 1189.9 | 1303.3 | 1446.0 | 1520.0 |
| 71°    | 301.0 | 305.0 | 342.0 | 462.6  | 732.8  | 800.6  | 925.9  | 1052.8 | 1195.4 | 1380.6 | 1464.1 |
| 72.5°  | 147.4 | 149.7 | 186.0 | 297.1  | 509.8  | 596.5  | 669.0  | 790.4  | 941.7  | 1153.6 | 1271.8 |
| 75°    | 68.6  | 69.3  | 77.2  | 107.2  | 194.6  | 231.7  | 264.0  | 342.0  | 435.8  | 621.7  | 765.1  |
| 77.5°  | 50.4  | 50.4  | 55.2  | 70.1   | 100.9  | 102.4  | 100.9  | 103.2  | 124.5  | 178.1  | 267.9  |
| 80°    | 37.0  | 37.0  | 40.2  | 47.3   | 67.0   | 67.0   | 64.6   | 65.4   | 63.0   | 65.4   | 74.1   |
| 82.5°  | 24.4  | 24.4  | 26.0  | 28.4   | 41.0   | 41.0   | 39.4   | 39.4   | 37.8   | 37.0   | 40.2   |
| 85°    | 14.2  | 15.0  | 15.8  | 13.4   | 17.3   | 16.5   | 15.0   | 16.5   | 15.8   | 14.2   | 17.3   |
| 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   |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 15°   | 25°   | 35°   | 37.5° | 40°   | 42.5° | 45°   | 47.5° | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110°   | 101.0 | 102.0 | 103.0 | 106.0 | 110.0 | 110.5 | 111.0 | 111.5 | 112.0 | 112.5 | 113.0 |
| 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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**CANDELA DISTRIBUTION (continued):**

|        | 52.5°  | 55°    | 57°    | 57.5°  | 60°    | 62.5°  | 65°    | 67.5°  | 70°    | 72.5°  | 75°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 308.1  | 308.1  | 308.1  | 308.1  | 308.1  | 308.1  | 308.1  | 308.1  | 308.1  | 308.1  | 308.1  |
| 2.5°   | 304.2  | 306.5  | 306.5  | 303.4  | 305.7  | 303.4  | 305.0  | 302.6  | 305.0  | 301.0  | 305.7  |
| 5°     | 301.8  | 304.2  | 304.2  | 299.4  | 304.2  | 299.4  | 303.4  | 297.9  | 303.4  | 297.1  | 303.4  |
| 7.5°   | 295.5  | 301.0  | 301.0  | 294.7  | 300.2  | 295.5  | 300.2  | 294.7  | 299.4  | 292.3  | 300.2  |
| 10°    | 288.4  | 293.9  | 294.7  | 288.4  | 294.7  | 289.2  | 296.3  | 289.2  | 296.3  | 288.4  | 297.1  |
| 12.5°  | 283.7  | 290.0  | 291.6  | 284.5  | 292.3  | 285.3  | 293.9  | 286.0  | 293.9  | 285.3  | 295.5  |
| 15°    | 282.9  | 288.4  | 290.0  | 283.7  | 290.8  | 282.9  | 293.1  | 283.7  | 293.9  | 284.5  | 296.3  |
| 17.5°  | 283.7  | 288.4  | 290.0  | 282.9  | 290.0  | 283.7  | 292.3  | 284.5  | 293.9  | 285.3  | 296.3  |
| 20°    | 286.0  | 289.2  | 289.2  | 285.3  | 290.8  | 285.3  | 292.3  | 284.5  | 294.7  | 286.8  | 297.1  |
| 22.5°  | 293.1  | 293.9  | 293.9  | 290.8  | 293.9  | 290.0  | 295.5  | 290.0  | 297.1  | 290.8  | 300.2  |
| 25°    | 305.0  | 304.2  | 302.6  | 301.8  | 302.6  | 300.2  | 303.4  | 299.4  | 306.5  | 301.0  | 310.5  |
| 27.5°  | 325.4  | 322.3  | 320.7  | 320.7  | 319.9  | 320.7  | 320.7  | 319.1  | 322.3  | 320.7  | 327.0  |
| 30°    | 350.7  | 345.1  | 342.8  | 345.1  | 342.0  | 345.1  | 344.4  | 343.6  | 346.7  | 345.1  | 350.7  |
| 32.5°  | 383.8  | 374.3  | 372.7  | 377.4  | 371.1  | 376.7  | 371.9  | 374.3  | 376.7  | 378.2  | 381.4  |
| 35°    | 422.4  | 411.3  | 409.8  | 414.5  | 407.4  | 415.3  | 409.8  | 412.9  | 414.5  | 418.4  | 420.8  |
| 37.5°  | 468.1  | 454.7  | 452.3  | 458.6  | 449.2  | 457.8  | 449.9  | 459.4  | 457.0  | 462.6  | 464.9  |
| 40°    | 523.2  | 507.5  | 502.0  | 510.6  | 499.6  | 506.7  | 498.8  | 509.0  | 506.7  | 517.7  | 520.1  |
| 42.5°  | 591.0  | 568.1  | 562.6  | 571.3  | 554.7  | 557.1  | 550.8  | 562.6  | 561.1  | 576.0  | 578.4  |
| 45°    | 661.1  | 633.5  | 625.7  | 634.3  | 615.4  | 620.2  | 610.7  | 623.3  | 622.5  | 634.3  | 643.8  |
| 47.5°  | 739.1  | 705.3  | 695.0  | 704.5  | 681.6  | 687.1  | 677.7  | 691.1  | 691.9  | 705.3  | 714.7  |
| 50°    | 820.3  | 784.8  | 771.4  | 780.1  | 758.8  | 762.8  | 753.3  | 769.9  | 769.1  | 787.2  | 794.3  |
| 52.5°  | 908.6  | 872.3  | 862.1  | 866.0  | 840.8  | 845.5  | 837.6  | 858.1  | 853.4  | 864.4  | 878.6  |
| 55°    | 1006.3 | 964.5  | 952.7  | 964.5  | 934.6  | 940.9  | 930.6  | 949.5  | 941.7  | 955.8  | 959.8  |
| 57.5°  | 1106.3 | 1065.4 | 1055.9 | 1064.6 | 1036.2 | 1040.9 | 1027.5 | 1043.3 | 1037.0 | 1046.5 | 1052.8 |
| 60°    | 1212.7 | 1175.7 | 1166.2 | 1175.7 | 1148.1 | 1148.9 | 1126.0 | 1142.6 | 1133.1 | 1145.0 | 1142.6 |
| 62.5°  | 1314.4 | 1282.9 | 1280.5 | 1293.9 | 1259.2 | 1255.3 | 1227.7 | 1239.5 | 1226.1 | 1234.0 | 1224.5 |
| 65°    | 1401.1 | 1382.9 | 1386.1 | 1397.1 | 1366.4 | 1356.9 | 1325.4 | 1331.7 | 1312.0 | 1312.0 | 1300.2 |
| 67.5°  | 1514.5 | 1494.8 | 1494.8 | 1504.3 | 1465.7 | 1441.2 | 1397.9 | 1392.4 | 1360.1 | 1353.8 | 1326.2 |
| 70°    | 1609.1 | 1614.6 | 1608.3 | 1616.2 | 1570.5 | 1520.8 | 1463.3 | 1435.7 | 1393.2 | 1372.7 | 1340.4 |
| 71°    | 1575.2 | 1606.7 | 1617.8 | 1624.1 | 1586.2 | 1536.6 | 1476.7 | 1441.2 | 1400.3 | 1372.7 | 1338.0 |
| 72.5°  | 1421.5 | 1498.0 | 1541.3 | 1541.3 | 1546.0 | 1514.5 | 1457.0 | 1418.4 | 1371.9 | 1335.7 | 1303.3 |
| 75°    | 996.0  | 1120.5 | 1176.5 | 1170.2 | 1211.1 | 1225.3 | 1230.1 | 1213.5 | 1187.5 | 1135.5 | 1112.6 |
| 77.5°  | 443.6  | 584.7  | 669.0  | 669.8  | 713.9  | 752.5  | 783.3  | 815.6  | 803.8  | 778.5  | 777.0  |
| 80°    | 100.9  | 182.8  | 234.0  | 236.4  | 276.6  | 312.0  | 333.3  | 365.6  | 369.6  | 333.3  | 312.8  |
| 82.5°  | 43.3   | 51.2   | 58.3   | 57.5   | 70.9   | 85.1   | 100.9  | 109.5  | 105.6  | 87.5   | 82.7   |
| 85°    | 18.1   | 23.6   | 25.2   | 23.6   | 29.2   | 32.3   | 37.8   | 38.6   | 44.9   | 40.2   | 42.6   |
| 87.5°  | 0.0    | 0.8    | 0.8    | 0.0    | 1.6    | 0.0    | 1.6    | 0.8    | 3.9    | 1.6    | 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   | 11.8   | 11.5   | 10.0   | 8.5    | 7.0    | 6.5    | 6.0    | 5.5    | 5.0    |
| 100°   | 31.5   | 32.0   | 31.6   | 31.5   | 31.0   | 30.5   | 30.0   | 29.2   | 28.5   | 27.8   | 27.0   |
| 102.5° | 50.8   | 51.0   | 50.8   | 50.8   | 50.5   | 50.2   | 50.0   | 49.5   | 49.0   | 48.5   | 48.0   |
| 105°   | 70.8   | 71.0   | 71.0   | 71.0   | 71.0   | 71.0   | 71.0   | 70.5   | 70.0   | 69.5   | 69.0   |
| 107.5° | 92.5   | 93.0   | 92.8   | 92.8   | 92.5   | 92.2   | 92.0   | 91.8   | 91.5   | 91.2   | 91.0   |



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**CANDELA DISTRIBUTION (continued):**

|        | 52.5° | 55°   | 57°   | 57.5° | 60°   | 62.5° | 65°   | 67.5° | 70°   | 72.5° | 75°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110°   | 113.5 | 114.0 | 114.0 | 114.0 | 114.0 | 114.0 | 114.0 | 113.8 | 113.5 | 113.2 | 113.0 |
| 112.5° | 135.5 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 135.8 | 135.5 | 135.2 | 135.0 |
| 115°   | 157.5 | 158.0 | 158.0 | 158.0 | 158.0 | 158.0 | 158.0 | 158.0 | 158.0 | 158.0 | 158.0 |
| 117.5° | 179.8 | 180.0 | 180.2 | 180.2 | 180.5 | 180.8 | 181.0 | 180.8 | 180.5 | 180.2 | 180.0 |
| 120°   | 203.5 | 204.0 | 204.0 | 204.0 | 204.0 | 204.0 | 204.0 | 204.0 | 204.0 | 204.0 | 204.0 |
| 122.5° | 227.8 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.2 | 228.5 | 228.8 | 229.0 |
| 125°   | 252.8 | 253.0 | 253.2 | 253.2 | 253.5 | 253.8 | 254.0 | 254.0 | 254.0 | 254.0 | 254.0 |
| 127.5° | 277.5 | 278.0 | 277.8 | 277.8 | 277.5 | 277.2 | 277.0 | 277.2 | 277.5 | 277.8 | 278.0 |
| 130°   | 300.5 | 301.0 | 301.0 | 301.0 | 301.0 | 301.0 | 301.0 | 301.2 | 301.5 | 301.8 | 302.0 |
| 132.5° | 324.2 | 325.0 | 325.0 | 325.0 | 325.0 | 325.0 | 325.0 | 325.2 | 325.5 | 325.8 | 326.0 |
| 135°   | 347.2 | 348.0 | 348.0 | 348.0 | 348.0 | 348.0 | 348.0 | 348.2 | 348.5 | 348.8 | 349.0 |
| 137.5° | 368.5 | 369.0 | 369.0 | 369.0 | 369.0 | 369.0 | 369.0 | 369.2 | 369.5 | 369.8 | 370.0 |
| 140°   | 389.8 | 390.0 | 390.0 | 390.0 | 390.0 | 390.0 | 390.0 | 390.5 | 391.0 | 391.5 | 392.0 |
| 142.5° | 411.5 | 412.0 | 412.0 | 412.0 | 412.0 | 412.0 | 412.0 | 412.2 | 412.5 | 412.8 | 413.0 |
| 145°   | 433.5 | 434.0 | 433.8 | 433.8 | 433.5 | 433.2 | 433.0 | 433.2 | 433.5 | 433.8 | 434.0 |
| 147.5° | 453.8 | 454.0 | 453.6 | 453.5 | 453.0 | 452.5 | 452.0 | 452.2 | 452.5 | 452.8 | 453.0 |
| 150°   | 470.8 | 471.0 | 470.6 | 470.5 | 470.0 | 469.5 | 469.0 | 469.0 | 469.0 | 469.0 | 469.0 |
| 152.5° | 486.8 | 487.0 | 486.8 | 486.8 | 486.5 | 486.2 | 486.0 | 486.0 | 486.0 | 486.0 | 486.0 |
| 155°   | 503.8 | 504.0 | 503.8 | 503.8 | 503.5 | 503.2 | 503.0 | 503.2 | 503.5 | 503.8 | 504.0 |
| 157.5° | 519.0 | 519.0 | 518.6 | 518.5 | 518.0 | 517.5 | 517.0 | 517.2 | 517.5 | 517.8 | 518.0 |
| 160°   | 532.0 | 532.0 | 531.6 | 531.5 | 531.0 | 530.5 | 530.0 | 530.0 | 530.0 | 530.0 | 530.0 |
| 162.5° | 541.8 | 542.0 | 541.6 | 541.5 | 541.0 | 540.5 | 540.0 | 539.5 | 539.0 | 538.5 | 538.0 |
| 165°   | 552.8 | 553.0 | 552.4 | 552.2 | 551.5 | 550.8 | 550.0 | 549.5 | 549.0 | 548.5 | 548.0 |
| 167.5° | 560.0 | 560.0 | 559.6 | 559.5 | 559.0 | 558.5 | 558.0 | 558.2 | 558.5 | 558.8 | 559.0 |
| 170°   | 565.2 | 565.0 | 564.8 | 564.8 | 564.5 | 564.2 | 564.0 | 564.5 | 565.0 | 565.5 | 566.0 |
| 172.5° | 568.8 | 569.0 | 568.6 | 568.5 | 568.0 | 567.5 | 567.0 | 567.2 | 567.5 | 567.8 | 568.0 |
| 175°   | 572.8 | 573.0 | 572.4 | 572.2 | 571.5 | 570.8 | 570.0 | 569.5 | 569.0 | 568.5 | 568.0 |
| 177.5° | 577.0 | 577.0 | 576.4 | 576.2 | 575.5 | 574.8 | 574.0 | 574.0 | 574.0 | 574.0 | 574.0 |
| 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: ISC-AF-350-LED-E1-T3-7060-ULG

**CANDELA DISTRIBUTION (continued):**

|        | 77.5°  | 80°    | 82.5°  | 85°    | 87.5°  | 90°    | 95°   | 100°  | 102.5° | 105°  | 107.5° |
|--------|--------|--------|--------|--------|--------|--------|-------|-------|--------|-------|--------|
| 0°     | 308.1  | 308.1  | 308.1  | 308.1  | 308.1  | 308.1  | 308.1 | 308.1 | 308.1  | 308.1 | 308.1  |
| 2.5°   | 302.6  | 306.5  | 302.6  | 306.5  | 304.2  | 306.5  | 305.7 | 306.5 | 302.6  | 306.5 | 301.8  |
| 5°     | 297.1  | 303.4  | 297.9  | 302.6  | 297.9  | 303.4  | 303.4 | 303.4 | 297.9  | 304.2 | 298.6  |
| 7.5°   | 292.3  | 299.4  | 292.3  | 299.4  | 294.7  | 300.2  | 300.2 | 302.6 | 296.3  | 303.4 | 295.5  |
| 10°    | 287.6  | 296.3  | 287.6  | 297.9  | 290.0  | 298.6  | 299.4 | 301.0 | 292.3  | 301.8 | 293.9  |
| 12.5°  | 285.3  | 296.3  | 286.0  | 296.3  | 286.8  | 298.6  | 299.4 | 301.0 | 291.6  | 303.4 | 293.1  |
| 15°    | 285.3  | 297.1  | 286.0  | 297.1  | 286.8  | 298.6  | 300.2 | 301.8 | 291.6  | 304.2 | 293.1  |
| 17.5°  | 285.3  | 297.1  | 287.6  | 297.9  | 288.4  | 299.4  | 301.0 | 302.6 | 293.1  | 304.2 | 294.7  |
| 20°    | 287.6  | 298.6  | 289.2  | 300.2  | 290.8  | 301.8  | 302.6 | 305.0 | 294.7  | 305.0 | 296.3  |
| 22.5°  | 293.1  | 302.6  | 294.7  | 305.0  | 297.9  | 306.5  | 307.3 | 309.7 | 301.8  | 310.5 | 303.4  |
| 25°    | 302.6  | 312.8  | 306.5  | 314.4  | 310.5  | 317.6  | 319.1 | 319.1 | 316.0  | 321.5 | 319.1  |
| 27.5°  | 322.3  | 330.2  | 325.4  | 332.5  | 330.2  | 335.7  | 335.7 | 336.5 | 338.8  | 340.4 | 342.8  |
| 30°    | 347.5  | 353.0  | 351.4  | 355.4  | 356.2  | 359.3  | 359.3 | 364.1 | 373.5  | 364.1 | 363.3  |
| 32.5°  | 381.4  | 384.5  | 385.3  | 386.9  | 390.1  | 392.4  | 395.6 | 401.1 | 409.0  | 386.9 | 379.8  |
| 35°    | 423.2  | 423.9  | 426.3  | 428.7  | 434.2  | 435.8  | 446.0 | 442.1 | 442.1  | 407.4 | 392.4  |
| 37.5°  | 468.9  | 468.9  | 475.2  | 475.2  | 488.6  | 489.3  | 499.6 | 479.1 | 467.3  | 422.4 | 400.3  |
| 40°    | 526.4  | 525.6  | 532.7  | 534.3  | 552.4  | 553.2  | 551.6 | 506.7 | 481.5  | 426.3 | 396.4  |
| 42.5°  | 587.1  | 589.4  | 598.9  | 602.0  | 615.4  | 620.2  | 600.5 | 525.6 | 487.8  | 423.9 | 383.0  |
| 45°    | 653.2  | 658.0  | 669.8  | 678.5  | 692.6  | 687.1  | 639.9 | 534.3 | 480.7  | 409.8 | 357.0  |
| 47.5°  | 725.7  | 730.5  | 739.9  | 756.5  | 762.8  | 756.5  | 672.2 | 537.4 | 469.6  | 387.7 | 319.1  |
| 50°    | 799.0  | 806.9  | 820.3  | 843.9  | 847.1  | 831.3  | 711.6 | 549.2 | 461.0  | 364.8 | 275.8  |
| 52.5°  | 881.8  | 889.6  | 905.4  | 944.8  | 936.9  | 904.6  | 758.1 | 571.3 | 463.3  | 350.7 | 238.8  |
| 55°    | 969.2  | 980.3  | 1011.0 | 1049.6 | 1032.3 | 981.8  | 809.3 | 603.6 | 472.8  | 335.7 | 197.8  |
| 57.5°  | 1061.4 | 1073.2 | 1113.4 | 1159.1 | 1125.3 | 1057.5 | 861.3 | 628.8 | 477.5  | 305.0 | 152.9  |
| 60°    | 1152.8 | 1169.4 | 1221.4 | 1259.2 | 1206.4 | 1122.1 | 907.8 | 645.4 | 464.9  | 246.6 | 118.2  |
| 62.5°  | 1236.4 | 1263.2 | 1321.5 | 1342.0 | 1257.6 | 1163.1 | 933.0 | 633.5 | 413.7  | 170.2 | 95.3   |
| 65°    | 1295.5 | 1330.1 | 1368.0 | 1365.6 | 1248.2 | 1149.7 | 914.1 | 579.2 | 308.1  | 112.7 | 81.2   |
| 67.5°  | 1320.7 | 1353.0 | 1361.7 | 1321.5 | 1180.4 | 1090.6 | 846.3 | 466.5 | 177.3  | 84.3  | 70.9   |
| 70°    | 1330.1 | 1357.7 | 1308.9 | 1211.9 | 1048.0 | 945.6  | 691.9 | 297.1 | 96.9   | 68.6  | 61.5   |
| 71°    | 1326.2 | 1339.6 | 1246.6 | 1133.1 | 963.7  | 856.6  | 606.8 | 226.2 | 82.7   | 63.8  | 58.3   |
| 72.5°  | 1272.6 | 1253.7 | 1110.3 | 984.2  | 817.2  | 708.4  | 472.0 | 142.6 | 67.8   | 57.5  | 54.4   |
| 75°    | 1040.2 | 955.0  | 817.2  | 698.2  | 556.3  | 445.2  | 256.1 | 73.3  | 54.4   | 49.6  | 47.3   |
| 77.5°  | 680.0  | 606.0  | 492.5  | 400.3  | 304.2  | 230.9  | 104.8 | 50.4  | 43.3   | 41.8  | 41.0   |
| 80°    | 242.7  | 194.6  | 147.4  | 129.2  | 97.7   | 80.4   | 51.2  | 38.6  | 33.9   | 34.7  | 33.9   |
| 82.5°  | 68.6   | 63.0   | 54.4   | 50.4   | 44.1   | 43.3   | 33.1  | 29.2  | 26.8   | 28.4  | 27.6   |
| 85°    | 33.9   | 29.2   | 21.3   | 20.5   | 15.8   | 18.1   | 16.5  | 19.7  | 17.3   | 18.1  | 16.5   |
| 87.5°  | 2.4    | 3.2    | 0.8    | 2.4    | 0.0    | 2.4    | 3.2   | 3.9   | 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   |



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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° |        |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|--------|--------|
| 110°   | 113.2 | 113.5 | 113.8 | 114.0 | 113.5 | 113.0 | 114.0 | 113.5 | 113.2  | 113.0 | 113.2  | 0°     |
| 112.5° | 135.5 | 136.0 | 136.5 | 137.0 | 136.0 | 135.0 | 137.0 | 136.0 | 135.5  | 135.0 | 135.2  | 2.5°   |
| 115°   | 158.5 | 159.0 | 159.5 | 160.0 | 159.5 | 159.0 | 160.0 | 159.0 | 158.5  | 158.0 | 158.0  | 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  | 7.5°   |
| 120°   | 204.5 | 205.0 | 205.5 | 206.0 | 205.0 | 204.0 | 206.0 | 205.0 | 204.5  | 204.0 | 204.0  | 10°    |
| 122.5° | 230.0 | 231.0 | 232.0 | 233.0 | 232.5 | 232.0 | 233.0 | 231.0 | 230.0  | 229.0 | 228.8  | 12.5°  |
| 125°   | 254.8 | 255.5 | 256.2 | 257.0 | 256.5 | 256.0 | 257.0 | 255.5 | 254.8  | 254.0 | 254.0  | 15°    |
| 127.5° | 278.8 | 279.5 | 280.2 | 281.0 | 279.5 | 278.0 | 281.0 | 279.5 | 278.8  | 278.0 | 277.8  | 17.5°  |
| 130°   | 302.8 | 303.5 | 304.2 | 305.0 | 304.0 | 303.0 | 305.0 | 303.5 | 302.8  | 302.0 | 301.8  | 20°    |
| 132.5° | 326.8 | 327.5 | 328.2 | 329.0 | 328.0 | 327.0 | 329.0 | 327.5 | 326.8  | 326.0 | 325.8  | 22.5°  |
| 135°   | 349.5 | 350.0 | 350.5 | 351.0 | 350.5 | 350.0 | 351.0 | 350.0 | 349.5  | 349.0 | 348.8  | 25°    |
| 137.5° | 371.0 | 372.0 | 373.0 | 374.0 | 373.0 | 372.0 | 374.0 | 372.0 | 371.0  | 370.0 | 369.8  | 27.5°  |
| 140°   | 393.0 | 394.0 | 395.0 | 396.0 | 395.0 | 394.0 | 396.0 | 394.0 | 393.0  | 392.0 | 391.5  | 30°    |
| 142.5° | 413.8 | 414.5 | 415.2 | 416.0 | 415.5 | 415.0 | 416.0 | 414.5 | 413.8  | 413.0 | 412.8  | 32.5°  |
| 145°   | 434.8 | 435.5 | 436.2 | 437.0 | 436.0 | 435.0 | 437.0 | 435.5 | 434.8  | 434.0 | 433.8  | 35°    |
| 147.5° | 453.8 | 454.5 | 455.2 | 456.0 | 454.5 | 453.0 | 456.0 | 454.5 | 453.8  | 453.0 | 452.8  | 37.5°  |
| 150°   | 470.0 | 471.0 | 472.0 | 473.0 | 471.5 | 470.0 | 473.0 | 471.0 | 470.0  | 469.0 | 469.0  | 40°    |
| 152.5° | 486.8 | 487.5 | 488.2 | 489.0 | 487.5 | 486.0 | 489.0 | 487.5 | 486.8  | 486.0 | 486.0  | 42.5°  |
| 155°   | 504.8 | 505.5 | 506.2 | 507.0 | 506.0 | 505.0 | 507.0 | 505.5 | 504.8  | 504.0 | 503.8  | 45°    |
| 157.5° | 519.2 | 520.5 | 521.8 | 523.0 | 521.5 | 520.0 | 523.0 | 520.5 | 519.2  | 518.0 | 517.8  | 47.5°  |
| 160°   | 530.8 | 531.5 | 532.2 | 533.0 | 532.0 | 531.0 | 533.0 | 531.5 | 530.8  | 530.0 | 530.0  | 50°    |
| 162.5° | 538.5 | 539.0 | 539.5 | 540.0 | 538.5 | 537.0 | 540.0 | 539.0 | 538.5  | 538.0 | 538.5  | 52.5°  |
| 165°   | 548.5 | 549.0 | 549.5 | 550.0 | 549.0 | 548.0 | 550.0 | 549.0 | 548.5  | 548.0 | 548.5  | 55°    |
| 167.5° | 560.0 | 561.0 | 562.0 | 563.0 | 562.0 | 561.0 | 563.0 | 561.0 | 560.0  | 559.0 | 558.8  | 57.5°  |
| 170°   | 567.2 | 568.5 | 569.8 | 571.0 | 570.0 | 569.0 | 571.0 | 568.5 | 567.2  | 566.0 | 565.5  | 60°    |
| 172.5° | 568.8 | 569.5 | 570.2 | 571.0 | 569.5 | 568.0 | 571.0 | 569.5 | 568.8  | 568.0 | 567.8  | 62.5°  |
| 175°   | 568.8 | 569.5 | 570.2 | 571.0 | 569.5 | 568.0 | 571.0 | 569.5 | 568.8  | 568.0 | 568.5  | 65°    |
| 177.5° | 574.8 | 575.5 | 576.2 | 577.0 | 575.5 | 574.0 | 577.0 | 575.5 | 574.8  | 574.0 | 574.0  | 67.5°  |
| 180°   | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0  | 576.0 | 576.0  | 70°    |
|        |       |       |       |       |       |       |       |       |        |       |        | 71°    |
|        |       |       |       |       |       |       |       |       |        |       |        | 72.5°  |
|        |       |       |       |       |       |       |       |       |        |       |        | 75°    |
|        |       |       |       |       |       |       |       |       |        |       |        | 77.5°  |
|        |       |       |       |       |       |       |       |       |        |       |        | 80°    |
|        |       |       |       |       |       |       |       |       |        |       |        | 82.5°  |
|        |       |       |       |       |       |       |       |       |        |       |        | 85°    |
|        |       |       |       |       |       |       |       |       |        |       |        | 87.5°  |
|        |       |       |       |       |       |       |       |       |        |       |        | 90°    |
|        |       |       |       |       |       |       |       |       |        |       |        | 92.5°  |
|        |       |       |       |       |       |       |       |       |        |       |        | 95°    |
|        |       |       |       |       |       |       |       |       |        |       |        | 97.5°  |
|        |       |       |       |       |       |       |       |       |        |       |        | 100°   |
|        |       |       |       |       |       |       |       |       |        |       |        | 102.5° |
|        |       |       |       |       |       |       |       |       |        |       |        | 105°   |
|        |       |       |       |       |       |       |       |       |        |       |        | 107.5° |



NUMBER: P227742  
 NUMBER: ISC-AF-350-LED-E1-T3-7060-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°   | 110°  |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|-------|-------|--------|-------|
| 308.1 | 308.1  | 308.1 | 308.1  | 308.1 | 308.1  | 308.1 | 308.1  | 308.1 | 308.1 | 308.1 | 110°   | 113.5 |
| 307.3 | 304.2  | 308.1 | 304.2  | 308.1 | 305.7  | 308.1 | 305.7  | 308.1 | 309.7 | 309.7 | 112.5° | 135.5 |
| 305.7 | 300.2  | 307.3 | 303.4  | 308.1 | 304.2  | 307.3 | 305.0  | 308.9 | 310.5 | 312.0 | 115°   | 158.0 |
| 305.0 | 299.4  | 306.5 | 301.0  | 308.1 | 302.6  | 307.3 | 304.2  | 308.9 | 310.5 | 313.6 | 117.5° | 180.5 |
| 304.2 | 297.1  | 306.5 | 298.6  | 307.3 | 301.8  | 307.3 | 302.6  | 308.1 | 309.7 | 310.5 | 120°   | 204.0 |
| 304.2 | 296.3  | 306.5 | 297.9  | 307.3 | 299.4  | 306.5 | 299.4  | 307.3 | 306.5 | 304.2 | 122.5° | 228.5 |
| 305.0 | 294.7  | 306.5 | 296.3  | 306.5 | 297.1  | 305.7 | 296.3  | 304.2 | 301.8 | 300.2 | 125°   | 254.0 |
| 305.0 | 294.7  | 305.7 | 295.5  | 305.0 | 296.3  | 303.4 | 294.7  | 301.8 | 301.0 | 298.6 | 127.5° | 277.5 |
| 306.5 | 296.3  | 305.7 | 298.6  | 305.7 | 297.1  | 302.6 | 294.7  | 300.2 | 295.5 | 286.0 | 130°   | 301.5 |
| 311.3 | 304.2  | 311.3 | 304.2  | 307.3 | 299.4  | 301.8 | 292.3  | 291.6 | 283.7 | 268.7 | 132.5° | 325.5 |
| 322.3 | 319.1  | 317.6 | 308.9  | 306.5 | 296.3  | 293.1 | 282.1  | 278.2 | 266.3 | 245.9 | 135°   | 348.5 |
| 336.5 | 329.4  | 319.9 | 309.7  | 299.4 | 286.8  | 278.2 | 269.5  | 260.8 | 245.9 | 219.9 | 137.5° | 369.5 |
| 345.9 | 335.7  | 316.0 | 301.8  | 282.9 | 272.6  | 257.7 | 248.2  | 235.6 | 216.7 | 191.5 | 140°   | 391.0 |
| 352.2 | 336.5  | 306.5 | 290.0  | 264.8 | 251.4  | 231.7 | 221.4  | 203.3 | 185.2 | 167.1 | 142.5° | 412.5 |
| 353.8 | 333.3  | 293.9 | 275.8  | 242.7 | 227.7  | 201.7 | 190.7  | 173.4 | 160.8 | 153.7 | 145°   | 433.5 |
| 347.5 | 322.3  | 274.2 | 250.6  | 214.3 | 197.0  | 172.6 | 164.7  | 154.4 | 149.7 | 146.6 | 147.5° | 452.5 |
| 334.9 | 301.0  | 243.5 | 215.9  | 178.9 | 165.5  | 152.9 | 152.9  | 147.4 | 145.0 | 139.5 | 150°   | 469.0 |
| 312.0 | 269.5  | 204.1 | 177.3  | 152.1 | 149.7  | 142.6 | 145.8  | 141.8 | 140.3 | 132.4 | 152.5° | 486.0 |
| 276.6 | 224.6  | 164.7 | 148.9  | 137.1 | 138.7  | 134.0 | 137.1  | 134.7 | 134.0 | 124.5 | 155°   | 503.5 |
| 230.9 | 178.9  | 138.7 | 133.2  | 125.3 | 127.7  | 123.7 | 127.7  | 125.3 | 126.1 | 119.0 | 157.5° | 517.5 |
| 184.4 | 145.0  | 122.9 | 119.8  | 114.3 | 115.8  | 113.5 | 117.4  | 116.6 | 119.8 | 115.8 | 160°   | 530.0 |
| 147.4 | 123.7  | 109.5 | 107.2  | 104.0 | 104.8  | 104.0 | 108.0  | 108.7 | 115.0 | 115.0 | 162.5° | 539.0 |
| 122.1 | 106.4  | 98.5  | 97.7   | 94.6  | 95.3   | 96.1  | 100.1  | 103.2 | 111.1 | 115.0 | 165°   | 549.0 |
| 104.8 | 95.3   | 89.8  | 89.0   | 87.5  | 88.3   | 89.8  | 94.6   | 97.7  | 108.0 | 116.6 | 167.5° | 558.5 |
| 92.2  | 86.7   | 82.7  | 82.7   | 81.2  | 82.7   | 84.3  | 89.0   | 93.0  | 104.8 | 113.5 | 170°   | 565.0 |
| 82.7  | 78.8   | 76.4  | 77.2   | 76.4  | 78.0   | 79.6  | 84.3   | 89.0  | 100.1 | 108.7 | 172.5° | 567.5 |
| 74.1  | 71.7   | 70.1  | 70.9   | 70.9  | 73.3   | 74.9  | 79.6   | 83.5  | 93.8  | 104.8 | 175°   | 569.0 |
| 67.0  | 65.4   | 64.6  | 65.4   | 66.2  | 68.6   | 70.9  | 74.1   | 77.2  | 86.7  | 99.3  | 177.5° | 574.0 |
| 61.5  | 59.9   | 59.9  | 59.9   | 60.7  | 63.0   | 66.2  | 67.8   | 70.9  | 81.2  | 93.0  | 180°   | 576.0 |
| 58.3  | 57.5   | 57.5  | 57.5   | 58.3  | 60.7   | 63.8  | 65.4   | 68.6  | 78.8  | 89.8  |        |       |
| 54.4  | 54.4   | 55.2  | 54.4   | 55.9  | 56.7   | 59.9  | 61.5   | 65.4  | 75.6  | 85.9  |        |       |
| 48.1  | 48.1   | 48.9  | 48.9   | 50.4  | 50.4   | 52.8  | 54.4   | 59.1  | 67.8  | 77.2  |        |       |
| 42.6  | 42.6   | 44.1  | 43.3   | 43.3  | 41.8   | 44.9  | 46.5   | 50.4  | 59.1  | 68.6  |        |       |
| 36.2  | 35.5   | 37.0  | 34.7   | 33.9  | 32.3   | 34.7  | 37.0   | 43.3  | 48.9  | 50.4  |        |       |
| 28.4  | 26.0   | 26.8  | 24.4   | 24.4  | 22.9   | 25.2  | 26.0   | 29.9  | 35.5  | 38.6  |        |       |
| 17.3  | 14.2   | 15.8  | 13.4   | 15.0  | 13.4   | 14.2  | 15.0   | 18.1  | 22.1  | 21.3  |        |       |
| 3.9   | 2.4    | 3.2   | 0.8    | 2.4   | 0.0    | 2.4   | 0.8    | 2.4   | 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  |        |       |

'227742  
 ISC-AF-350-LED-E1-T3-7060-ULG

REPORT NUMBER: P227742  
 CATALOG NUMBER: ISC-AF-35

**TION (continued):**

**CANDELA DISTRIBUTION (con**

| 112.5° | 115°  | 117.5° | 120°  | 122.5° | 125°  | 127.5° | 130°  | 135°  | 145°  |        | 155°  | 165°  |
|--------|-------|--------|-------|--------|-------|--------|-------|-------|-------|--------|-------|-------|
| 113.8  | 114.0 | 114.0  | 114.0 | 114.0  | 114.0 | 113.5  | 113.0 | 112.0 | 110.0 | 0°     | 308.1 | 308.1 |
| 135.8  | 136.0 | 136.0  | 136.0 | 136.0  | 136.0 | 135.5  | 135.0 | 134.0 | 132.0 | 2.5°   | 311.3 | 310.5 |
| 158.0  | 158.0 | 158.0  | 158.0 | 158.0  | 158.0 | 157.5  | 157.0 | 156.0 | 154.0 | 5°     | 315.2 | 315.2 |
| 180.8  | 181.0 | 180.8  | 180.5 | 180.2  | 180.0 | 179.8  | 179.5 | 179.0 | 177.0 | 7.5°   | 316.0 | 317.6 |
| 204.0  | 204.0 | 204.0  | 204.0 | 204.0  | 204.0 | 203.5  | 203.0 | 202.0 | 201.0 | 10°    | 310.5 | 308.9 |
| 228.2  | 228.0 | 228.0  | 228.0 | 228.0  | 228.0 | 227.8  | 227.5 | 227.0 | 226.0 | 12.5°  | 301.8 | 300.2 |
| 254.0  | 254.0 | 253.8  | 253.5 | 253.2  | 253.0 | 252.8  | 252.5 | 252.0 | 251.0 | 15°    | 301.0 | 300.2 |
| 277.2  | 277.0 | 277.2  | 277.5 | 277.8  | 278.0 | 277.5  | 277.0 | 276.0 | 274.0 | 17.5°  | 295.5 | 291.6 |
| 301.2  | 301.0 | 301.0  | 301.0 | 301.0  | 301.0 | 300.5  | 300.0 | 299.0 | 298.0 | 20°    | 279.7 | 272.6 |
| 325.2  | 325.0 | 325.0  | 325.0 | 325.0  | 325.0 | 324.2  | 323.5 | 322.0 | 321.0 | 22.5°  | 257.7 | 247.4 |
| 348.2  | 348.0 | 348.0  | 348.0 | 348.0  | 348.0 | 347.2  | 346.5 | 345.0 | 345.0 | 25°    | 230.9 | 216.7 |
| 369.2  | 369.0 | 369.0  | 369.0 | 369.0  | 369.0 | 368.5  | 368.0 | 367.0 | 367.0 | 27.5°  | 201.7 | 187.5 |
| 390.5  | 390.0 | 390.0  | 390.0 | 390.0  | 390.0 | 389.8  | 389.5 | 389.0 | 388.0 | 30°    | 178.9 | 167.8 |
| 412.2  | 412.0 | 412.0  | 412.0 | 412.0  | 412.0 | 411.5  | 411.0 | 410.0 | 410.0 | 32.5°  | 162.3 | 156.0 |
| 433.2  | 433.0 | 433.2  | 433.5 | 433.8  | 434.0 | 433.5  | 433.0 | 432.0 | 431.0 | 35°    | 148.9 | 145.0 |
| 452.2  | 452.0 | 452.5  | 453.0 | 453.5  | 454.0 | 453.8  | 453.5 | 453.0 | 452.0 | 37.5°  | 140.3 | 134.0 |
| 469.0  | 469.0 | 469.5  | 470.0 | 470.5  | 471.0 | 470.8  | 470.5 | 470.0 | 469.0 | 40°    | 131.6 | 123.7 |
| 486.0  | 486.0 | 486.2  | 486.5 | 486.8  | 487.0 | 486.8  | 486.5 | 486.0 | 485.0 | 42.5°  | 123.7 | 115.8 |
| 503.2  | 503.0 | 503.2  | 503.5 | 503.8  | 504.0 | 503.8  | 503.5 | 503.0 | 503.0 | 45°    | 115.8 | 110.3 |
| 517.2  | 517.0 | 517.5  | 518.0 | 518.5  | 519.0 | 519.0  | 519.0 | 519.0 | 519.0 | 47.5°  | 111.9 | 107.2 |
| 530.0  | 530.0 | 530.5  | 531.0 | 531.5  | 532.0 | 532.0  | 532.0 | 532.0 | 532.0 | 50°    | 110.3 | 105.6 |
| 539.5  | 540.0 | 540.5  | 541.0 | 541.5  | 542.0 | 541.8  | 541.5 | 541.0 | 541.0 | 52.5°  | 111.9 | 108.0 |
| 549.5  | 550.0 | 550.8  | 551.5 | 552.2  | 553.0 | 552.8  | 552.5 | 552.0 | 552.0 | 55°    | 115.0 | 112.7 |
| 558.2  | 558.0 | 558.5  | 559.0 | 559.5  | 560.0 | 560.0  | 560.0 | 560.0 | 561.0 | 57.5°  | 111.9 | 108.0 |
| 564.5  | 564.0 | 564.2  | 564.5 | 564.8  | 565.0 | 565.2  | 565.5 | 566.0 | 567.0 | 60°    | 104.8 | 98.5  |
| 567.2  | 567.0 | 567.5  | 568.0 | 568.5  | 569.0 | 568.8  | 568.5 | 568.0 | 569.0 | 62.5°  | 100.1 | 93.8  |
| 569.5  | 570.0 | 570.8  | 571.5 | 572.2  | 573.0 | 572.8  | 572.5 | 572.0 | 572.0 | 65°    | 96.1  | 91.4  |
| 574.0  | 574.0 | 574.8  | 575.5 | 576.2  | 577.0 | 577.0  | 577.0 | 577.0 | 578.0 | 67.5°  | 92.2  | 87.5  |
| 576.0  | 576.0 | 576.0  | 576.0 | 576.0  | 576.0 | 576.0  | 576.0 | 576.0 | 576.0 | 70°    | 87.5  | 82.7  |
|        |       |        |       |        |       |        |       |       |       | 71°    | 85.1  | 79.6  |
|        |       |        |       |        |       |        |       |       |       | 72.5°  | 81.2  | 74.9  |
|        |       |        |       |        |       |        |       |       |       | 75°    | 73.3  | 67.0  |
|        |       |        |       |        |       |        |       |       |       | 77.5°  | 60.7  | 53.6  |
|        |       |        |       |        |       |        |       |       |       | 80°    | 46.5  | 41.8  |
|        |       |        |       |        |       |        |       |       |       | 82.5°  | 34.7  | 30.7  |
|        |       |        |       |        |       |        |       |       |       | 85°    | 18.1  | 14.2  |
|        |       |        |       |        |       |        |       |       |       | 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  |



REPORT NUMBER: P227742

CATALOG NUMBER: ISC-AF-350-LED-E1-1

0-LED-E1-T3-7060-ULG

**tinued):**

| 175°  | 180°  |
|-------|-------|
| 308.1 | 308.1 |
| 311.3 | 310.5 |
| 316.0 | 316.8 |
| 319.1 | 318.3 |
| 310.5 | 308.9 |
| 301.8 | 301.8 |
| 301.0 | 301.0 |
| 290.0 | 289.2 |
| 271.1 | 268.7 |
| 244.3 | 241.9 |
| 211.2 | 208.0 |
| 182.0 | 182.0 |
| 162.3 | 162.3 |
| 152.1 | 152.9 |
| 142.6 | 143.4 |
| 128.4 | 128.4 |
| 116.6 | 116.6 |
| 111.1 | 110.3 |
| 106.4 | 105.6 |
| 103.2 | 102.4 |
| 100.1 | 100.1 |
| 97.7  | 97.7  |
| 97.7  | 96.1  |
| 98.5  | 96.1  |
| 96.9  | 95.3  |
| 96.9  | 96.1  |
| 98.5  | 96.9  |
| 98.5  | 95.3  |
| 89.8  | 84.3  |
| 85.1  | 80.4  |
| 76.4  | 73.3  |
| 65.4  | 64.6  |
| 51.2  | 50.4  |
| 41.8  | 39.4  |
| 29.9  | 26.0  |
| 11.8  | 11.8  |
| 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  |

**CANDELA DISTRIBUTION (continued):**

|        | 155°  | 165°  | 175°  |
|--------|-------|-------|-------|
| 110°   | 106.0 | 103.0 | 102.0 |
| 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 |

F3-7060-ULG

| <u>180°</u> |
|-------------|
| 101.0       |
| 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       |

(END OF REPORT)