

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: P228262

Luminaire Tested: **ISC-AF-350-LED-E1-SL3-7060-ULG**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P228262  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29762)-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-SL3-7060-ULG  
Description: IMPACT ELITE LED CYLINDER LUMINAIRE WITH UPLIGHT  
LIGHT SQUARE WITH ACCULED OPTICS-TYPE III W/SPILL CONTROL, 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: 3646.2 lumens  
Efficiency: N/A  
Efficacy: 99.1 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: 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

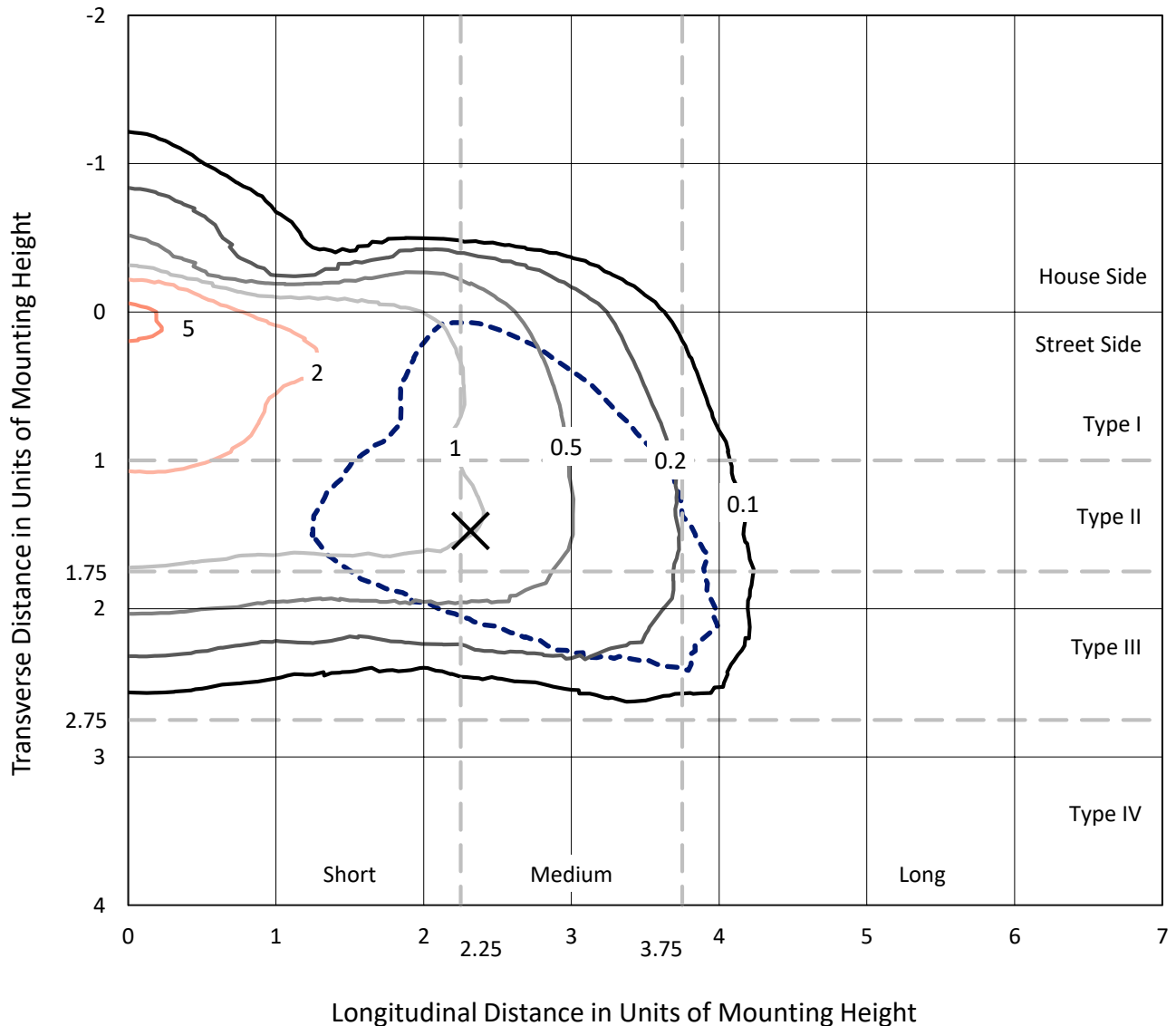


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

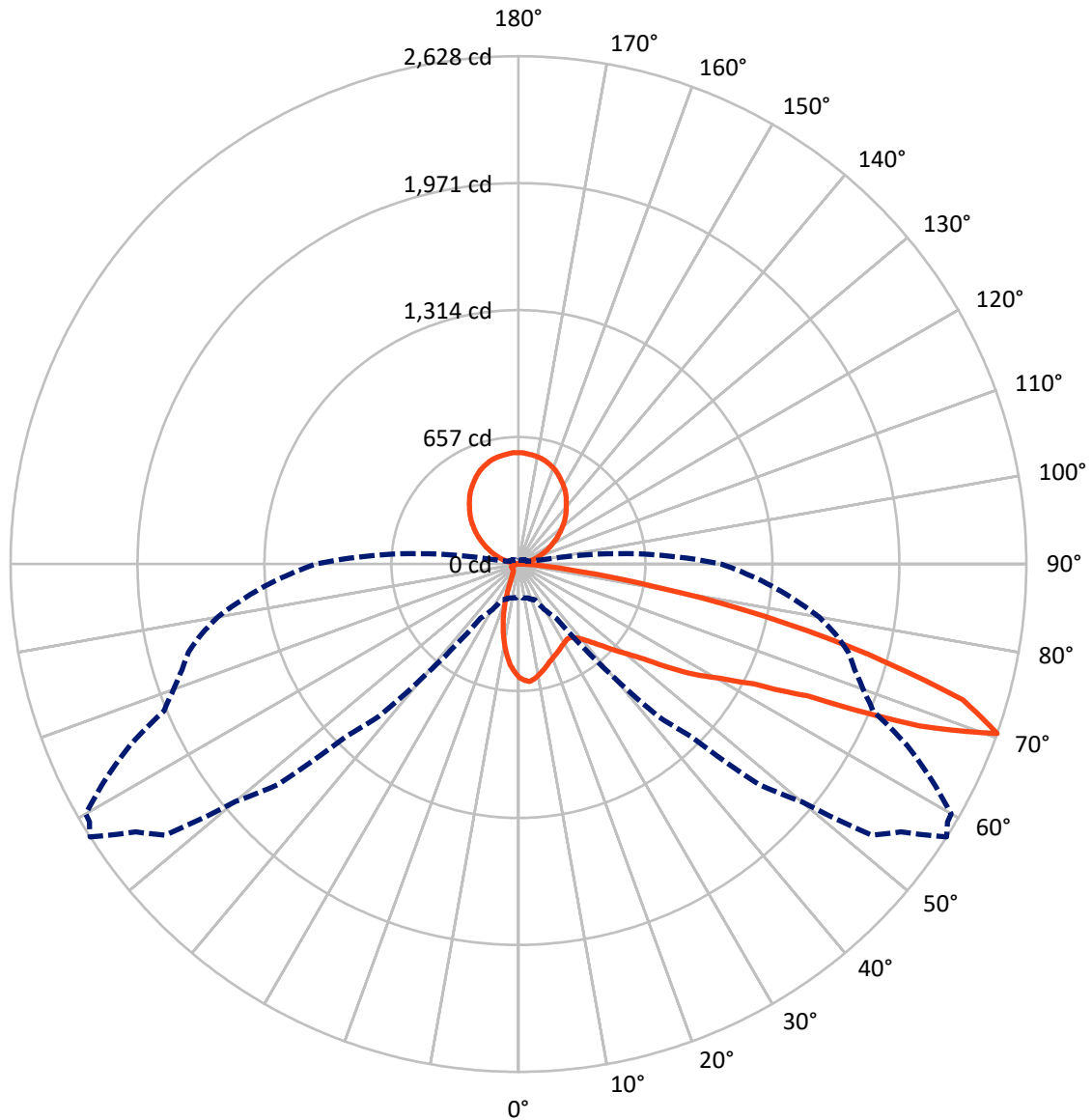


Based on 10 foot mounting height. Maximum calculated value = 5.9 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57.5-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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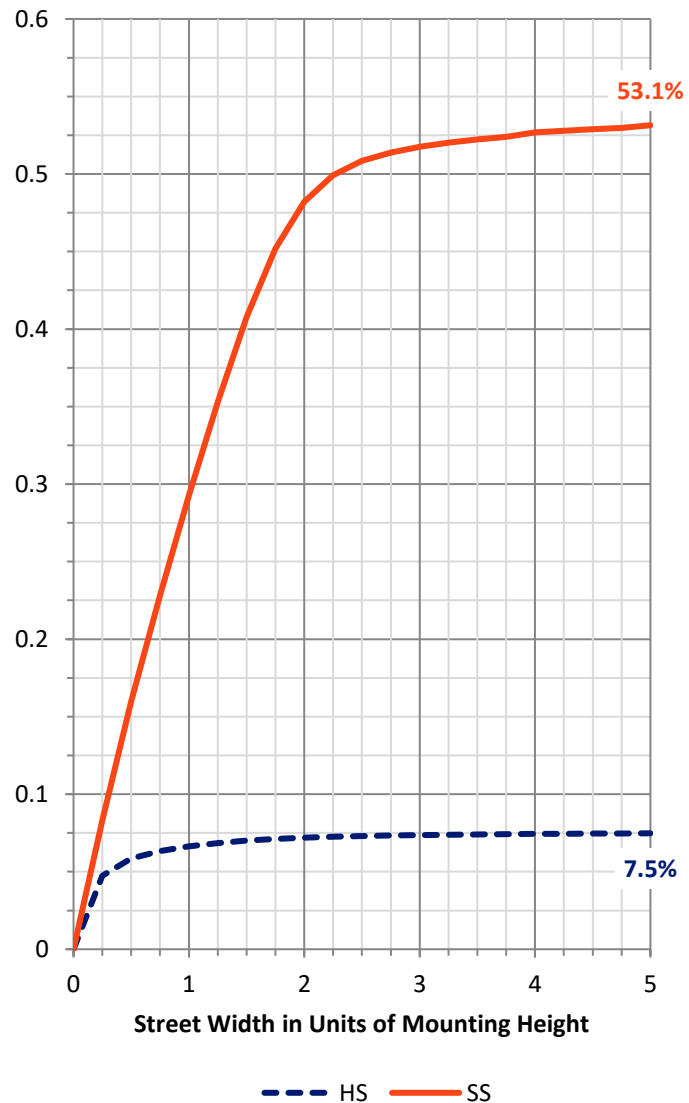
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 274.7    | 713.1  | 987.8  |
|                    | % Fixture | 7.5      | 19.6   | 27.1   |
| <b>Street Side</b> | Lumens    | 1945.3   | 713.1  | 2658.4 |
|                    | % Fixture | 53.4     | 19.6   | 72.9   |
| <b>Total</b>       | Lumens    | 2220.0   | 1426.2 | 3646.2 |
|                    | % Fixture | 60.9     | 39.1   | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 50.7   | 1.4       |
| 10°-20°   | 110.2  | 3.0       |
| 20°-30°   | 138.4  | 3.8       |
| 30°-40°   | 180.9  | 5.0       |
| 40°-50°   | 271.4  | 7.4       |
| 50°-60°   | 429.1  | 11.8      |
| 60°-70°   | 618.5  | 17.0      |
| 70°-80°   | 382.8  | 10.5      |
| 80°-90°   | 38.0   | 1.0       |
| 90°-100°  | 4.7    | 0.1       |
| 100°-110° | 69.0   | 1.9       |
| 110°-120° | 153.0  | 4.2       |
| 120°-130° | 223.9  | 6.1       |
| 130°-140° | 265.6  | 7.3       |
| 140°-150° | 269.3  | 7.4       |
| 150°-160° | 231.1  | 6.3       |
| 160°-170° | 155.1  | 4.3       |
| 170°-180° | 54.3   | 1.5       |
| 0°-90°    | 2220.0 | 60.9      |
| 0°-180°   | 3646.2 | 100.0     |



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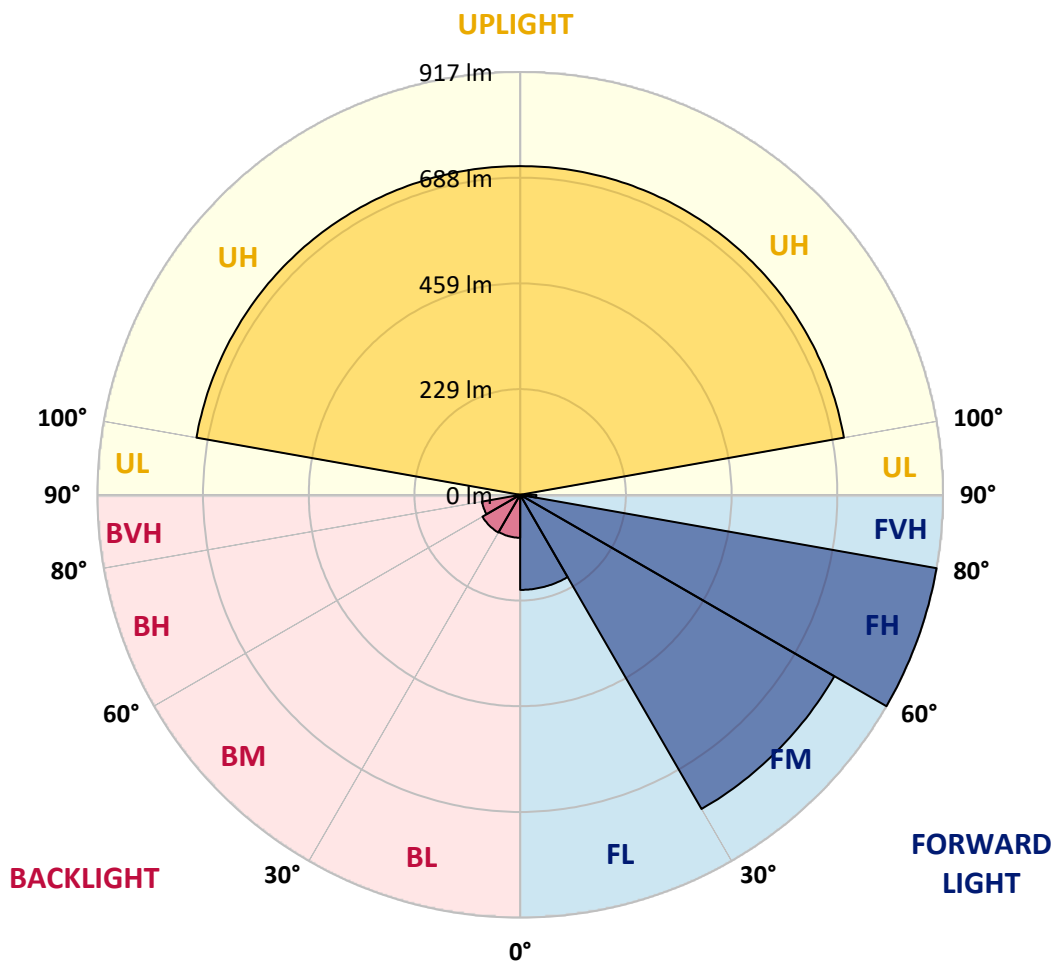
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |         |         |
|------|-------------|--------|-----------|-------------------------|---------|---------|
|      |             |        |           | B                       | U       | G       |
| FL   | (0°-30°)    | 206.2  | 5.7       |                         |         |         |
| FM   | (30°-60°)   | 787.0  | 21.6      |                         |         |         |
| FH   | (60°-80°)   | 917.2  | 25.2      |                         |         | G1/1800 |
| FVH  | (80°-90°)   | 34.9   | 1.0       |                         |         | G1/100  |
| BL   | (0°-30°)    | 93.1   | 2.6       | B0/110                  |         |         |
| BM   | (30°-60°)   | 94.5   | 2.6       | B0/220                  |         |         |
| BH   | (60°-80°)   | 84.1   | 2.3       | B0/110                  |         | G0/110  |
| BVH  | (80°-90°)   | 3.0    | 0.1       |                         |         | G0/10   |
| UL   | (90°-100°)  | 4.7    | 0.1       |                         | U1/10   |         |
| UH   | (100°-180°) | 713.1  | 19.6      |                         | U4/1000 |         |

**BUG Rating: B0-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°     | 587.6 | 587.6 | 587.6 | 587.6 | 587.6  | 587.6  | 587.6  | 587.6  | 587.6  | 587.6  | 587.6  |
| 2.5°   | 616.7 | 616.0 | 614.4 | 611.2 | 609.7  | 611.2  | 609.7  | 607.3  | 604.1  | 606.5  | 604.9  |
| 5°     | 615.2 | 616.7 | 613.6 | 611.2 | 615.2  | 616.7  | 613.6  | 613.6  | 610.4  | 613.6  | 612.0  |
| 7.5°   | 584.4 | 585.2 | 586.0 | 585.2 | 595.5  | 595.5  | 593.9  | 595.5  | 596.3  | 597.8  | 598.6  |
| 10°    | 545.9 | 546.6 | 548.2 | 550.6 | 563.2  | 564.8  | 565.5  | 567.1  | 569.5  | 571.1  | 575.8  |
| 12.5°  | 507.3 | 508.8 | 512.0 | 519.9 | 533.2  | 534.8  | 537.2  | 539.5  | 543.5  | 545.9  | 554.5  |
| 15°    | 475.0 | 475.7 | 478.9 | 487.6 | 507.3  | 511.2  | 512.8  | 515.9  | 523.8  | 523.8  | 533.2  |
| 17.5°  | 445.0 | 446.6 | 449.0 | 459.2 | 478.9  | 485.2  | 489.9  | 491.5  | 501.7  | 504.1  | 515.1  |
| 20°    | 422.2 | 423.0 | 423.8 | 433.2 | 451.3  | 460.8  | 464.7  | 471.0  | 478.9  | 485.2  | 494.7  |
| 22.5°  | 409.6 | 410.4 | 408.8 | 412.7 | 428.5  | 440.3  | 445.0  | 451.3  | 454.5  | 465.5  | 471.0  |
| 25°    | 410.4 | 411.2 | 407.2 | 404.9 | 412.7  | 425.3  | 429.3  | 435.6  | 434.0  | 449.8  | 449.8  |
| 27.5°  | 418.2 | 419.8 | 415.9 | 408.8 | 409.6  | 419.8  | 422.2  | 424.6  | 419.8  | 435.6  | 432.4  |
| 30°    | 434.0 | 435.6 | 430.9 | 425.3 | 416.7  | 423.0  | 423.0  | 423.0  | 414.3  | 427.7  | 422.2  |
| 32.5°  | 450.5 | 452.1 | 450.5 | 446.6 | 435.6  | 437.2  | 434.0  | 432.4  | 420.6  | 431.6  | 423.0  |
| 35°    | 475.0 | 475.7 | 476.5 | 476.5 | 460.8  | 463.9  | 455.3  | 450.5  | 439.5  | 448.2  | 436.4  |
| 37.5°  | 504.1 | 504.1 | 509.6 | 512.0 | 494.7  | 494.7  | 485.2  | 478.9  | 468.7  | 471.8  | 460.0  |
| 40°    | 530.1 | 532.5 | 545.1 | 552.2 | 536.4  | 530.1  | 522.2  | 516.7  | 508.8  | 508.8  | 497.0  |
| 42.5°  | 560.0 | 564.8 | 579.7 | 593.1 | 584.4  | 575.0  | 567.1  | 561.6  | 557.7  | 556.9  | 544.3  |
| 45°    | 597.0 | 602.6 | 619.1 | 631.7 | 634.1  | 627.0  | 620.7  | 615.2  | 612.0  | 610.4  | 599.4  |
| 47.5°  | 638.8 | 644.3 | 659.3 | 674.2 | 685.3  | 683.7  | 676.6  | 671.1  | 673.5  | 671.9  | 664.8  |
| 50°    | 685.3 | 688.4 | 697.9 | 715.2 | 740.4  | 745.9  | 744.3  | 740.4  | 745.1  | 745.1  | 738.8  |
| 52.5°  | 722.3 | 724.6 | 731.7 | 752.2 | 794.0  | 806.6  | 816.8  | 824.7  | 832.6  | 837.3  | 833.3  |
| 55°    | 756.2 | 756.2 | 756.9 | 782.9 | 845.2  | 865.6  | 888.5  | 905.0  | 915.3  | 934.2  | 942.0  |
| 57.5°  | 811.3 | 807.4 | 806.6 | 834.1 | 906.6  | 927.9  | 960.9  | 984.6  | 998.8  | 1037.4 | 1036.6 |
| 60°    | 795.5 | 797.1 | 825.5 | 906.6 | 1032.6 | 1051.5 | 1081.5 | 1106.7 | 1133.4 | 1161.8 | 1164.2 |
| 62.5°  | 686.1 | 690.0 | 732.5 | 853.8 | 1113.0 | 1211.4 | 1303.6 | 1373.7 | 1413.1 | 1438.3 | 1403.6 |
| 65°    | 480.5 | 489.9 | 547.4 | 695.5 | 1024.7 | 1176.8 | 1322.5 | 1484.7 | 1609.2 | 1802.2 | 1858.1 |
| 67.5°  | 239.4 | 246.5 | 256.0 | 364.7 | 765.6  | 979.1  | 1179.9 | 1401.3 | 1566.7 | 1850.2 | 2008.5 |
| 70°    | 171.7 | 174.9 | 182.0 | 204.8 | 342.6  | 512.8  | 749.1  | 1065.7 | 1260.3 | 1688.0 | 1911.7 |
| 72.5°  | 133.1 | 136.3 | 145.7 | 178.0 | 226.8  | 250.5  | 297.7  | 486.8  | 723.9  | 1165.7 | 1468.2 |
| 75°    | 103.2 | 107.9 | 121.3 | 160.7 | 218.2  | 231.6  | 233.9  | 251.3  | 286.7  | 517.5  | 823.1  |
| 77.5°  | 72.5  | 73.3  | 86.6  | 138.6 | 211.9  | 237.9  | 233.9  | 233.9  | 238.7  | 263.9  | 352.1  |
| 80°    | 48.0  | 48.8  | 57.5  | 96.1  | 185.9  | 216.6  | 239.4  | 228.4  | 229.2  | 233.1  | 239.4  |
| 82.5°  | 25.2  | 26.8  | 33.9  | 58.3  | 108.7  | 146.5  | 199.3  | 207.9  | 204.8  | 208.7  | 207.2  |
| 85°    | 7.1   | 7.1   | 11.8  | 22.1  | 53.6   | 56.7   | 88.2   | 120.5  | 122.9  | 139.4  | 148.9  |
| 87.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 2.4    | 3.2    | 7.1    | 7.9    |
| 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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**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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**CANDELA DISTRIBUTION (continued):**

|        | 52.5°  | 55°    | 57.5°  | 59°    | 60°    | 62.5°  | 65°    | 67.5°  | 70°    | 72.5°  | 75°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 587.6  | 587.6  | 587.6  | 587.6  | 587.6  | 587.6  | 587.6  | 587.6  | 587.6  | 587.6  | 587.6  |
| 2.5°   | 606.5  | 603.3  | 602.6  | 601.0  | 601.8  | 599.4  | 598.6  | 595.5  | 595.5  | 593.9  | 592.3  |
| 5°     | 610.4  | 607.3  | 610.4  | 604.9  | 605.7  | 603.3  | 599.4  | 599.4  | 596.3  | 593.9  | 589.2  |
| 7.5°   | 599.4  | 599.4  | 600.2  | 597.0  | 597.8  | 597.0  | 592.3  | 591.5  | 586.8  | 586.8  | 581.3  |
| 10°    | 578.9  | 578.9  | 582.1  | 579.7  | 580.5  | 579.7  | 577.4  | 576.6  | 575.0  | 575.0  | 566.3  |
| 12.5°  | 555.3  | 560.0  | 564.8  | 562.4  | 562.4  | 564.0  | 564.0  | 564.8  | 564.0  | 563.2  | 556.1  |
| 15°    | 535.6  | 542.7  | 547.4  | 546.6  | 547.4  | 551.4  | 552.9  | 553.7  | 556.1  | 555.3  | 549.0  |
| 17.5°  | 517.5  | 525.4  | 529.3  | 532.5  | 534.8  | 538.0  | 542.7  | 545.1  | 548.2  | 547.4  | 541.1  |
| 20°    | 501.0  | 508.0  | 515.1  | 519.1  | 519.9  | 526.2  | 531.7  | 538.8  | 540.3  | 541.9  | 534.0  |
| 22.5°  | 483.6  | 489.9  | 504.1  | 501.7  | 507.3  | 519.1  | 522.2  | 532.5  | 532.5  | 538.0  | 526.9  |
| 25°    | 468.7  | 469.4  | 491.5  | 487.6  | 492.3  | 513.6  | 515.9  | 534.0  | 529.3  | 537.2  | 524.6  |
| 27.5°  | 453.7  | 452.9  | 479.7  | 475.0  | 480.5  | 509.6  | 511.2  | 536.4  | 531.7  | 541.1  | 524.6  |
| 30°    | 442.7  | 440.3  | 471.0  | 461.6  | 469.4  | 505.7  | 506.5  | 538.8  | 534.8  | 547.4  | 530.1  |
| 32.5°  | 440.3  | 436.4  | 463.1  | 456.1  | 463.9  | 501.7  | 506.5  | 547.4  | 542.7  | 558.5  | 536.4  |
| 35°    | 450.5  | 444.2  | 467.1  | 460.8  | 467.1  | 503.3  | 510.4  | 560.8  | 555.3  | 573.4  | 551.4  |
| 37.5°  | 469.4  | 464.7  | 483.6  | 477.3  | 482.0  | 514.3  | 520.6  | 578.1  | 577.4  | 599.4  | 574.2  |
| 40°    | 502.5  | 497.8  | 512.8  | 504.1  | 508.0  | 538.0  | 541.1  | 602.6  | 604.9  | 631.7  | 606.5  |
| 42.5°  | 547.4  | 539.5  | 551.4  | 541.1  | 546.6  | 573.4  | 570.3  | 632.5  | 639.6  | 676.6  | 647.5  |
| 45°    | 604.9  | 594.7  | 601.8  | 590.7  | 594.7  | 617.5  | 608.9  | 672.7  | 679.8  | 725.4  | 699.4  |
| 47.5°  | 667.9  | 655.3  | 664.0  | 649.8  | 652.2  | 676.6  | 660.8  | 720.7  | 731.7  | 789.2  | 764.0  |
| 50°    | 743.6  | 727.0  | 730.2  | 716.8  | 718.3  | 742.8  | 725.4  | 779.8  | 793.2  | 857.0  | 834.9  |
| 52.5°  | 840.4  | 816.8  | 816.8  | 798.7  | 799.5  | 823.9  | 802.6  | 849.9  | 864.9  | 929.4  | 914.5  |
| 55°    | 968.0  | 949.1  | 945.2  | 926.3  | 920.0  | 924.7  | 894.8  | 927.9  | 944.4  | 1005.1 | 993.2  |
| 57.5°  | 1069.6 | 1067.3 | 1079.1 | 1052.3 | 1046.0 | 1047.6 | 1009.8 | 1012.1 | 1031.1 | 1078.3 | 1082.2 |
| 60°    | 1193.3 | 1197.2 | 1198.8 | 1176.8 | 1174.4 | 1152.4 | 1113.8 | 1107.5 | 1131.1 | 1163.4 | 1176.0 |
| 62.5°  | 1390.2 | 1386.3 | 1366.6 | 1350.1 | 1335.1 | 1276.0 | 1254.7 | 1220.1 | 1253.2 | 1271.3 | 1297.3 |
| 65°    | 1813.2 | 1772.2 | 1646.2 | 1657.2 | 1617.9 | 1489.5 | 1471.4 | 1401.3 | 1453.2 | 1454.0 | 1502.9 |
| 67.5°  | 2232.2 | 2312.6 | 2235.4 | 2237.0 | 2148.0 | 1915.6 | 1859.7 | 1720.3 | 1749.4 | 1715.5 | 1740.7 |
| 70°    | 2303.9 | 2416.5 | 2627.6 | 2589.8 | 2585.1 | 2406.3 | 2218.1 | 1985.7 | 1898.3 | 1825.8 | 1767.5 |
| 72.5°  | 1982.5 | 2095.2 | 2404.7 | 2318.9 | 2351.2 | 2405.5 | 2209.4 | 2035.3 | 1840.0 | 1747.8 | 1621.8 |
| 75°    | 1395.0 | 1557.2 | 1871.5 | 1826.6 | 1850.2 | 1940.0 | 1771.5 | 1751.0 | 1524.9 | 1463.5 | 1269.7 |
| 77.5°  | 747.5  | 948.3  | 1300.4 | 1245.3 | 1255.5 | 1306.7 | 1131.1 | 1094.9 | 876.7  | 816.0  | 596.3  |
| 80°    | 336.3  | 466.3  | 730.2  | 668.7  | 650.6  | 621.5  | 457.6  | 360.7  | 220.5  | 146.5  | 101.6  |
| 82.5°  | 222.9  | 231.6  | 323.7  | 280.4  | 262.3  | 216.6  | 140.2  | 82.7   | 65.4   | 55.1   | 52.8   |
| 85°    | 149.7  | 137.1  | 136.3  | 120.5  | 111.8  | 88.2   | 65.4   | 41.0   | 33.9   | 28.4   | 26.0   |
| 87.5°  | 8.7    | 5.5    | 7.9    | 8.7    | 6.3    | 5.5    | 3.9    | 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°  | 12.0   | 13.0   | 11.5   | 10.6   | 10.0   | 8.5    | 7.0    | 6.5    | 6.0    | 5.5    | 5.0    |
| 100°   | 31.5   | 32.0   | 31.5   | 31.2   | 31.0   | 30.5   | 30.0   | 29.2   | 28.5   | 27.8   | 27.0   |
| 102.5° | 50.8   | 51.0   | 50.8   | 50.6   | 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   | 92.6   | 92.5   | 92.2   | 92.0   | 91.8   | 91.5   | 91.2   | 91.0   |
| 110°   | 113.5  | 114.0  | 114.0  | 114.0  | 114.0  | 114.0  | 114.0  | 113.8  | 113.5  | 113.2  | 113.0  |



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CATALOG NUMBER: ISC-AF-350-LED-E1-SL3-7060-ULG

**CANDELA DISTRIBUTION (continued):**

|        | 52.5° | 55°   | 57.5° | 59°   | 60°   | 62.5° | 65°   | 67.5° | 70°   | 72.5° | 75°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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 | 180.4 | 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 | 253.4 | 253.5 | 253.8 | 254.0 | 254.0 | 254.0 | 254.0 | 254.0 |
| 127.5° | 277.5 | 278.0 | 277.8 | 277.6 | 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 | 433.6 | 433.5 | 433.2 | 433.0 | 433.2 | 433.5 | 433.8 | 434.0 |
| 147.5° | 453.8 | 454.0 | 453.5 | 453.2 | 453.0 | 452.5 | 452.0 | 452.2 | 452.5 | 452.8 | 453.0 |
| 150°   | 470.8 | 471.0 | 470.5 | 470.2 | 470.0 | 469.5 | 469.0 | 469.0 | 469.0 | 469.0 | 469.0 |
| 152.5° | 486.8 | 487.0 | 486.8 | 486.6 | 486.5 | 486.2 | 486.0 | 486.0 | 486.0 | 486.0 | 486.0 |
| 155°   | 503.8 | 504.0 | 503.8 | 503.6 | 503.5 | 503.2 | 503.0 | 503.2 | 503.5 | 503.8 | 504.0 |
| 157.5° | 519.0 | 519.0 | 518.5 | 518.2 | 518.0 | 517.5 | 517.0 | 517.2 | 517.5 | 517.8 | 518.0 |
| 160°   | 532.0 | 532.0 | 531.5 | 531.2 | 531.0 | 530.5 | 530.0 | 530.0 | 530.0 | 530.0 | 530.0 |
| 162.5° | 541.8 | 542.0 | 541.5 | 541.2 | 541.0 | 540.5 | 540.0 | 539.5 | 539.0 | 538.5 | 538.0 |
| 165°   | 552.8 | 553.0 | 552.2 | 551.8 | 551.5 | 550.8 | 550.0 | 549.5 | 549.0 | 548.5 | 548.0 |
| 167.5° | 560.0 | 560.0 | 559.5 | 559.2 | 559.0 | 558.5 | 558.0 | 558.2 | 558.5 | 558.8 | 559.0 |
| 170°   | 565.2 | 565.0 | 564.8 | 564.6 | 564.5 | 564.2 | 564.0 | 564.5 | 565.0 | 565.5 | 566.0 |
| 172.5° | 568.8 | 569.0 | 568.5 | 568.2 | 568.0 | 567.5 | 567.0 | 567.2 | 567.5 | 567.8 | 568.0 |
| 175°   | 572.8 | 573.0 | 572.2 | 571.8 | 571.5 | 570.8 | 570.0 | 569.5 | 569.0 | 568.5 | 568.0 |
| 177.5° | 577.0 | 577.0 | 576.2 | 575.8 | 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-SL3-7060-ULG

**CANDELA DISTRIBUTION (continued):**

|        | 77.5°  | 80°    | 85°    | 90°    | 95°   | 100°  | 102.5° | 105°  | 107.5° | 110°  | 112.5° |
|--------|--------|--------|--------|--------|-------|-------|--------|-------|--------|-------|--------|
| 0°     | 587.6  | 587.6  | 587.6  | 587.6  | 587.6 | 587.6 | 587.6  | 587.6 | 587.6  | 587.6 | 587.6  |
| 2.5°   | 588.4  | 588.4  | 587.6  | 582.1  | 578.9 | 577.4 | 571.8  | 571.1 | 568.7  | 567.9 | 567.9  |
| 5°     | 587.6  | 584.4  | 580.5  | 572.6  | 564.8 | 557.7 | 555.3  | 549.8 | 545.9  | 541.1 | 541.1  |
| 7.5°   | 576.6  | 573.4  | 564.8  | 552.9  | 542.7 | 532.5 | 526.9  | 519.1 | 512.8  | 506.5 | 504.9  |
| 10°    | 564.0  | 559.2  | 547.4  | 531.7  | 518.3 | 500.2 | 493.1  | 482.8 | 475.7  | 466.3 | 456.8  |
| 12.5°  | 550.6  | 547.4  | 533.2  | 515.1  | 494.7 | 471.8 | 460.8  | 446.6 | 437.2  | 426.1 | 411.9  |
| 15°    | 545.1  | 538.8  | 520.6  | 497.8  | 472.6 | 445.0 | 429.3  | 414.3 | 400.1  | 387.5 | 368.6  |
| 17.5°  | 538.0  | 530.1  | 509.6  | 482.8  | 451.3 | 418.2 | 397.8  | 381.2 | 362.3  | 348.9 | 327.7  |
| 20°    | 530.1  | 518.3  | 496.2  | 463.9  | 428.5 | 389.1 | 363.1  | 346.6 | 321.4  | 308.0 | 282.8  |
| 22.5°  | 523.8  | 508.8  | 482.0  | 445.8  | 403.3 | 359.2 | 328.5  | 309.6 | 281.2  | 265.4 | 233.9  |
| 25°    | 522.2  | 504.1  | 471.8  | 430.9  | 382.0 | 330.0 | 293.0  | 274.1 | 238.7  | 220.5 | 183.5  |
| 27.5°  | 523.0  | 501.7  | 465.5  | 418.2  | 363.1 | 304.0 | 259.9  | 237.9 | 193.0  | 174.1 | 131.5  |
| 30°    | 523.8  | 502.5  | 459.2  | 407.2  | 345.8 | 277.3 | 225.3  | 199.3 | 145.7  | 129.2 | 91.4   |
| 32.5°  | 531.7  | 505.7  | 457.6  | 398.6  | 330.0 | 250.5 | 185.9  | 162.3 | 103.2  | 93.7  | 67.7   |
| 35°    | 541.1  | 515.9  | 460.8  | 397.0  | 318.2 | 223.7 | 145.7  | 121.3 | 74.0   | 71.7  | 55.1   |
| 37.5°  | 560.8  | 531.7  | 473.4  | 400.9  | 311.1 | 196.1 | 108.7  | 92.9  | 58.3   | 59.9  | 48.0   |
| 40°    | 590.7  | 558.5  | 493.9  | 412.7  | 310.3 | 168.6 | 80.3   | 72.5  | 50.4   | 52.0  | 44.1   |
| 42.5°  | 630.9  | 595.5  | 525.4  | 437.9  | 314.3 | 142.6 | 64.6   | 62.2  | 46.5   | 48.0  | 42.5   |
| 45°    | 683.7  | 647.5  | 569.5  | 470.2  | 325.3 | 121.3 | 56.7   | 56.7  | 44.9   | 46.5  | 41.7   |
| 47.5°  | 750.6  | 710.5  | 623.8  | 513.6  | 342.6 | 109.5 | 53.6   | 54.3  | 44.1   | 46.5  | 41.7   |
| 50°    | 826.3  | 782.1  | 693.1  | 569.5  | 369.4 | 106.3 | 54.3   | 54.3  | 44.9   | 46.5  | 41.7   |
| 52.5°  | 905.0  | 864.1  | 768.0  | 633.3  | 406.4 | 113.4 | 55.9   | 55.1  | 44.9   | 46.5  | 41.0   |
| 55°    | 985.4  | 948.3  | 850.7  | 708.1  | 457.6 | 138.6 | 59.9   | 57.5  | 44.9   | 46.5  | 41.7   |
| 57.5°  | 1065.7 | 1039.7 | 937.3  | 788.5  | 521.4 | 184.3 | 75.6   | 67.0  | 49.6   | 50.4  | 42.5   |
| 60°    | 1156.3 | 1137.4 | 1035.0 | 894.0  | 612.0 | 255.2 | 111.1  | 84.3  | 59.1   | 55.9  | 45.7   |
| 62.5°  | 1273.7 | 1268.9 | 1187.8 | 1046.0 | 757.7 | 357.6 | 157.5  | 102.4 | 63.8   | 58.3  | 48.8   |
| 65°    | 1480.8 | 1493.4 | 1416.2 | 1224.0 | 854.6 | 360.0 | 153.6  | 89.8  | 59.9   | 55.1  | 48.0   |
| 67.5°  | 1688.7 | 1651.7 | 1453.2 | 1197.2 | 771.1 | 239.4 | 97.7   | 70.1  | 52.8   | 51.2  | 44.9   |
| 70°    | 1680.9 | 1580.1 | 1317.8 | 1046.8 | 608.9 | 130.0 | 70.9   | 58.3  | 47.3   | 47.3  | 42.5   |
| 72.5°  | 1507.6 | 1357.9 | 1077.5 | 828.6  | 406.4 | 82.7  | 59.9   | 51.2  | 43.3   | 42.5  | 39.4   |
| 75°    | 1135.0 | 958.6  | 692.4  | 477.3  | 181.2 | 53.6  | 45.7   | 41.7  | 37.8   | 37.8  | 34.7   |
| 77.5°  | 534.0  | 300.9  | 167.0  | 111.1  | 60.7  | 36.2  | 31.5   | 31.5  | 30.7   | 31.5  | 28.4   |
| 80°    | 72.5   | 65.4   | 55.9   | 48.8   | 37.0  | 25.2  | 22.8   | 23.6  | 22.8   | 23.6  | 21.3   |
| 82.5°  | 44.1   | 39.4   | 32.3   | 30.7   | 22.8  | 17.3  | 16.5   | 17.3  | 15.8   | 16.5  | 12.6   |
| 85°    | 21.3   | 18.9   | 15.0   | 14.2   | 11.8  | 10.2  | 8.7    | 10.2  | 7.9    | 8.7   | 5.5    |
| 87.5°  | 0.0    | 1.6    | 0.8    | 1.6    | 1.6   | 1.6   | 0.0    | 1.6   | 0.0    | 1.6   | 0.0    |
| 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    | 4.0    | 4.0    | 4.0   | 4.5   | 4.8    | 5.0   | 5.5    | 6.0   | 6.5    |
| 100°   | 26.8   | 26.5   | 26.0   | 25.0   | 26.0  | 26.5  | 26.8   | 27.0  | 27.8   | 28.5  | 29.2   |
| 102.5° | 48.2   | 48.5   | 49.0   | 48.0   | 49.0  | 48.5  | 48.2   | 48.0  | 48.5   | 49.0  | 49.5   |
| 105°   | 69.5   | 70.0   | 71.0   | 69.0   | 71.0  | 70.0  | 69.5   | 69.0  | 69.5   | 70.0  | 70.5   |
| 107.5° | 91.2   | 91.5   | 92.0   | 91.0   | 92.0  | 91.5  | 91.2   | 91.0  | 91.2   | 91.5  | 91.8   |
| 110°   | 113.2  | 113.5  | 114.0  | 113.0  | 114.0 | 113.5 | 113.2  | 113.0 | 113.2  | 113.5 | 113.8  |

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REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

|        | 77.5° | 80°   | 85°   | 90°   | 95°   | 100°  | 102.5° | 105°  | 107.5° | 110°  | 112.5° |        |
|--------|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|--------|
| 112.5° | 135.5 | 136.0 | 137.0 | 135.0 | 137.0 | 136.0 | 135.5  | 135.0 | 135.2  | 135.5 | 135.8  | 0°     |
| 115°   | 158.5 | 159.0 | 160.0 | 159.0 | 160.0 | 159.0 | 158.5  | 158.0 | 158.0  | 158.0 | 158.0  | 2.5°   |
| 117.5° | 180.5 | 181.0 | 182.0 | 180.0 | 182.0 | 181.0 | 180.5  | 180.0 | 180.2  | 180.5 | 180.8  | 5°     |
| 120°   | 204.5 | 205.0 | 206.0 | 204.0 | 206.0 | 205.0 | 204.5  | 204.0 | 204.0  | 204.0 | 204.0  | 7.5°   |
| 122.5° | 230.0 | 231.0 | 233.0 | 232.0 | 233.0 | 231.0 | 230.0  | 229.0 | 228.8  | 228.5 | 228.2  | 10°    |
| 125°   | 254.8 | 255.5 | 257.0 | 256.0 | 257.0 | 255.5 | 254.8  | 254.0 | 254.0  | 254.0 | 254.0  | 12.5°  |
| 127.5° | 278.8 | 279.5 | 281.0 | 278.0 | 281.0 | 279.5 | 278.8  | 278.0 | 277.8  | 277.5 | 277.2  | 15°    |
| 130°   | 302.8 | 303.5 | 305.0 | 303.0 | 305.0 | 303.5 | 302.8  | 302.0 | 301.8  | 301.5 | 301.2  | 17.5°  |
| 132.5° | 326.8 | 327.5 | 329.0 | 327.0 | 329.0 | 327.5 | 326.8  | 326.0 | 325.8  | 325.5 | 325.2  | 20°    |
| 135°   | 349.5 | 350.0 | 351.0 | 350.0 | 351.0 | 350.0 | 349.5  | 349.0 | 348.8  | 348.5 | 348.2  | 22.5°  |
| 137.5° | 371.0 | 372.0 | 374.0 | 372.0 | 374.0 | 372.0 | 371.0  | 370.0 | 369.8  | 369.5 | 369.2  | 25°    |
| 140°   | 393.0 | 394.0 | 396.0 | 394.0 | 396.0 | 394.0 | 393.0  | 392.0 | 391.5  | 391.0 | 390.5  | 27.5°  |
| 142.5° | 413.8 | 414.5 | 416.0 | 415.0 | 416.0 | 414.5 | 413.8  | 413.0 | 412.8  | 412.5 | 412.2  | 30°    |
| 145°   | 434.8 | 435.5 | 437.0 | 435.0 | 437.0 | 435.5 | 434.8  | 434.0 | 433.8  | 433.5 | 433.2  | 32.5°  |
| 147.5° | 453.8 | 454.5 | 456.0 | 453.0 | 456.0 | 454.5 | 453.8  | 453.0 | 452.8  | 452.5 | 452.2  | 35°    |
| 150°   | 470.0 | 471.0 | 473.0 | 470.0 | 473.0 | 471.0 | 470.0  | 469.0 | 469.0  | 469.0 | 469.0  | 37.5°  |
| 152.5° | 486.8 | 487.5 | 489.0 | 486.0 | 489.0 | 487.5 | 486.8  | 486.0 | 486.0  | 486.0 | 486.0  | 40°    |
| 155°   | 504.8 | 505.5 | 507.0 | 505.0 | 507.0 | 505.5 | 504.8  | 504.0 | 503.8  | 503.5 | 503.2  | 42.5°  |
| 157.5° | 519.2 | 520.5 | 523.0 | 520.0 | 523.0 | 520.5 | 519.2  | 518.0 | 517.8  | 517.5 | 517.2  | 45°    |
| 160°   | 530.8 | 531.5 | 533.0 | 531.0 | 533.0 | 531.5 | 530.8  | 530.0 | 530.0  | 530.0 | 530.0  | 47.5°  |
| 162.5° | 538.5 | 539.0 | 540.0 | 537.0 | 540.0 | 539.0 | 538.5  | 538.0 | 538.5  | 539.0 | 539.5  | 50°    |
| 165°   | 548.5 | 549.0 | 550.0 | 548.0 | 550.0 | 549.0 | 548.5  | 548.0 | 548.5  | 549.0 | 549.5  | 52.5°  |
| 167.5° | 560.0 | 561.0 | 563.0 | 561.0 | 563.0 | 561.0 | 560.0  | 559.0 | 558.8  | 558.5 | 558.2  | 55°    |
| 170°   | 567.2 | 568.5 | 571.0 | 569.0 | 571.0 | 568.5 | 567.2  | 566.0 | 565.5  | 565.0 | 564.5  | 57.5°  |
| 172.5° | 568.8 | 569.5 | 571.0 | 568.0 | 571.0 | 569.5 | 568.8  | 568.0 | 567.8  | 567.5 | 567.2  | 60°    |
| 175°   | 568.8 | 569.5 | 571.0 | 568.0 | 571.0 | 569.5 | 568.8  | 568.0 | 568.5  | 569.0 | 569.5  | 62.5°  |
| 177.5° | 574.8 | 575.5 | 577.0 | 574.0 | 577.0 | 575.5 | 574.8  | 574.0 | 574.0  | 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°  |
|        |       |       |       |       |       |       |        |       |        |       |        | 75°    |
|        |       |       |       |       |       |       |        |       |        |       |        | 77.5°  |
|        |       |       |       |       |       |       |        |       |        |       |        | 80°    |
|        |       |       |       |       |       |       |        |       |        |       |        | 82.5°  |
|        |       |       |       |       |       |       |        |       |        |       |        | 85°    |
|        |       |       |       |       |       |       |        |       |        |       |        | 87.5°  |
|        |       |       |       |       |       |       |        |       |        |       |        | 90°    |
|        |       |       |       |       |       |       |        |       |        |       |        | 92.5°  |
|        |       |       |       |       |       |       |        |       |        |       |        | 95°    |
|        |       |       |       |       |       |       |        |       |        |       |        | 97.5°  |
|        |       |       |       |       |       |       |        |       |        |       |        | 100°   |
|        |       |       |       |       |       |       |        |       |        |       |        | 102.5° |
|        |       |       |       |       |       |       |        |       |        |       |        | 105°   |
|        |       |       |       |       |       |       |        |       |        |       |        | 107.5° |
|        |       |       |       |       |       |       |        |       |        |       |        | 110°   |



NUMBER: P228262  
 NUMBER: ISC-AF-350-LED-E1-SL3-7060-ULG

REPORT NUMBER: P  
 CATALOG NUMBER:

**DISTRIBUTION (continued):**

**CANDELA DISTRIBUTION**

| 115°  | 117.5° | 120°  | 122.5° | 125°  | 127.5° | 130°  | 135°  | 145°  | 155°  | 165°  | 115°   | 115°  |
|-------|--------|-------|--------|-------|--------|-------|-------|-------|-------|-------|--------|-------|
| 587.6 | 587.6  | 587.6 | 587.6  | 587.6 | 587.6  | 587.6 | 587.6 | 587.6 | 587.6 | 587.6 | 112.5° | 136.0 |
| 564.0 | 561.6  | 560.8 | 557.7  | 556.9 | 553.7  | 552.9 | 549.8 | 544.3 | 541.9 | 538.0 | 115°   | 158.0 |
| 534.0 | 530.1  | 526.9 | 525.4  | 519.1 | 515.9  | 511.2 | 504.9 | 493.1 | 487.6 | 478.1 | 117.5° | 181.0 |
| 492.3 | 491.5  | 482.0 | 478.9  | 471.0 | 465.5  | 458.4 | 448.2 | 430.9 | 420.6 | 405.6 | 120°   | 204.0 |
| 446.6 | 443.5  | 432.4 | 426.1  | 415.9 | 408.0  | 398.6 | 383.6 | 356.8 | 335.5 | 312.7 | 122.5° | 228.0 |
| 404.1 | 394.6  | 382.0 | 372.6  | 360.0 | 348.9  | 337.9 | 315.1 | 272.5 | 237.9 | 206.4 | 125°   | 254.0 |
| 360.0 | 345.8  | 332.4 | 316.6  | 303.3 | 285.9  | 273.3 | 243.4 | 187.5 | 144.9 | 125.2 | 127.5° | 277.0 |
| 315.1 | 295.4  | 280.4 | 259.1  | 244.2 | 220.5  | 207.2 | 170.9 | 122.9 | 104.0 | 97.7  | 130°   | 301.0 |
| 267.8 | 241.8  | 225.3 | 199.3  | 184.3 | 154.4  | 144.1 | 118.1 | 94.5  | 87.4  | 85.9  | 132.5° | 325.0 |
| 217.4 | 185.9  | 167.8 | 139.4  | 129.2 | 111.1  | 103.2 | 90.6  | 79.6  | 76.4  | 78.0  | 135°   | 348.0 |
| 164.6 | 130.8  | 118.9 | 98.5   | 94.5  | 85.1   | 81.9  | 75.6  | 70.1  | 70.1  | 72.5  | 137.5° | 369.0 |
| 117.4 | 91.4   | 88.2  | 75.6   | 74.8  | 70.1   | 67.7  | 64.6  | 63.0  | 64.6  | 67.7  | 140°   | 390.0 |
| 85.9  | 69.3   | 69.3  | 62.2   | 62.2  | 59.1   | 58.3  | 56.7  | 56.7  | 59.9  | 63.0  | 142.5° | 412.0 |
| 67.7  | 56.7   | 58.3  | 52.8   | 53.6  | 51.2   | 52.0  | 51.2  | 52.0  | 54.3  | 56.7  | 145°   | 433.0 |
| 56.7  | 48.8   | 51.2  | 46.5   | 48.0  | 45.7   | 47.3  | 47.3  | 48.8  | 49.6  | 50.4  | 147.5° | 452.0 |
| 50.4  | 44.9   | 46.5  | 43.3   | 44.9  | 42.5   | 44.9  | 44.9  | 45.7  | 45.7  | 45.7  | 150°   | 469.0 |
| 46.5  | 41.7   | 44.1  | 41.0   | 43.3  | 41.0   | 43.3  | 43.3  | 42.5  | 41.7  | 42.5  | 152.5° | 486.0 |
| 44.1  | 41.0   | 43.3  | 40.2   | 42.5  | 40.2   | 41.7  | 41.0  | 39.4  | 39.4  | 39.4  | 155°   | 503.0 |
| 43.3  | 40.2   | 41.7  | 39.4   | 41.0  | 38.6   | 40.2  | 39.4  | 37.0  | 36.2  | 37.8  | 157.5° | 517.0 |
| 43.3  | 39.4   | 41.7  | 38.6   | 40.2  | 37.8   | 39.4  | 37.0  | 34.7  | 34.7  | 37.0  | 160°   | 530.0 |
| 43.3  | 39.4   | 41.7  | 38.6   | 40.2  | 37.0   | 37.8  | 35.4  | 32.3  | 33.1  | 36.2  | 162.5° | 540.0 |
| 44.1  | 41.0   | 42.5  | 39.4   | 40.2  | 35.4   | 37.0  | 33.9  | 31.5  | 32.3  | 34.7  | 165°   | 550.0 |
| 44.9  | 41.0   | 42.5  | 37.8   | 38.6  | 35.4   | 35.4  | 33.9  | 31.5  | 31.5  | 33.9  | 167.5° | 558.0 |
| 44.9  | 40.2   | 41.0  | 37.0   | 37.8  | 33.9   | 34.7  | 33.1  | 30.7  | 29.9  | 31.5  | 170°   | 564.0 |
| 46.5  | 41.7   | 41.7  | 36.2   | 37.0  | 33.1   | 33.9  | 32.3  | 29.9  | 28.4  | 29.1  | 172.5° | 567.0 |
| 48.0  | 42.5   | 43.3  | 37.8   | 37.8  | 33.9   | 34.7  | 31.5  | 28.4  | 26.8  | 27.6  | 175°   | 570.0 |
| 48.0  | 42.5   | 43.3  | 38.6   | 38.6  | 34.7   | 34.7  | 31.5  | 26.8  | 25.2  | 25.2  | 177.5° | 574.0 |
| 45.7  | 41.7   | 42.5  | 38.6   | 38.6  | 34.7   | 34.7  | 30.7  | 26.0  | 23.6  | 22.8  | 180°   | 576.0 |
| 44.1  | 40.2   | 41.0  | 36.2   | 37.0  | 33.1   | 33.1  | 29.1  | 24.4  | 22.1  | 20.5  |        |       |
| 40.2  | 37.0   | 37.0  | 33.9   | 33.1  | 29.1   | 29.1  | 26.8  | 22.8  | 19.7  | 18.1  |        |       |
| 34.7  | 31.5   | 30.7  | 27.6   | 27.6  | 25.2   | 24.4  | 22.1  | 18.9  | 16.5  | 15.8  |        |       |
| 28.4  | 24.4   | 24.4  | 20.5   | 20.5  | 18.1   | 18.9  | 16.5  | 14.2  | 13.4  | 12.6  |        |       |
| 20.5  | 16.5   | 16.5  | 13.4   | 13.4  | 11.0   | 11.8  | 11.0  | 10.2  | 10.2  | 9.5   |        |       |
| 12.6  | 8.7    | 9.5   | 7.1    | 8.7   | 6.3    | 7.1   | 6.3   | 6.3   | 5.5   | 5.5   |        |       |
| 6.3   | 3.2    | 4.7   | 2.4    | 3.9   | 0.8    | 2.4   | 1.6   | 1.6   | 1.6   | 1.6   |        |       |
| 0.8   | 0.0    | 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    | 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   |        |       |
| 7.0   | 8.5    | 10.0  | 11.5   | 13.0  | 12.0   | 11.0  | 9.0   | 4.0   | 3.0   | 2.0   |        |       |
| 30.0  | 30.5   | 31.0  | 31.5   | 32.0  | 31.5   | 31.0  | 30.0  | 22.0  | 14.0  | 10.0  |        |       |
| 50.0  | 50.2   | 50.5  | 50.8   | 51.0  | 50.8   | 50.5  | 50.0  | 45.0  | 38.0  | 32.0  |        |       |
| 71.0  | 71.0   | 71.0  | 71.0   | 71.0  | 70.8   | 70.5  | 70.0  | 66.0  | 61.0  | 56.0  |        |       |
| 92.0  | 92.2   | 92.5  | 92.8   | 93.0  | 92.5   | 92.0  | 91.0  | 88.0  | 84.0  | 80.0  |        |       |
| 114.0 | 114.0  | 114.0 | 114.0  | 114.0 | 113.5  | 113.0 | 112.0 | 110.0 | 106.0 | 103.0 |        |       |

'228262  
 ISC-AF-350-LED-E1-SL3-7060-ULG

REPORT NUMBER: P228262  
 CATALOG NUMBER: ISC-AF-35

**TION (continued):**

**CANDELA DISTRIBUTION (con**

| 117.5° | 120°  | 122.5° | 125°  | 127.5° | 130°  | 135°  | 145°  | 155°  | 165°  |        | 175°  | 180°  |
|--------|-------|--------|-------|--------|-------|-------|-------|-------|-------|--------|-------|-------|
| 136.0  | 136.0 | 136.0  | 136.0 | 135.5  | 135.0 | 134.0 | 132.0 | 129.0 | 126.0 | 0°     | 587.6 | 587.6 |
| 158.0  | 158.0 | 158.0  | 158.0 | 157.5  | 157.0 | 156.0 | 154.0 | 151.0 | 149.0 | 2.5°   | 534.0 | 536.4 |
| 180.8  | 180.5 | 180.2  | 180.0 | 179.8  | 179.5 | 179.0 | 177.0 | 174.0 | 172.0 | 5°     | 475.0 | 475.7 |
| 204.0  | 204.0 | 204.0  | 204.0 | 203.5  | 203.0 | 202.0 | 201.0 | 198.0 | 196.0 | 7.5°   | 403.3 | 401.7 |
| 228.0  | 228.0 | 228.0  | 228.0 | 227.8  | 227.5 | 227.0 | 226.0 | 223.0 | 221.0 | 10°    | 308.0 | 304.0 |
| 253.8  | 253.5 | 253.2  | 253.0 | 252.8  | 252.5 | 252.0 | 251.0 | 248.0 | 247.0 | 12.5°  | 198.5 | 193.0 |
| 277.2  | 277.5 | 277.8  | 278.0 | 277.5  | 277.0 | 276.0 | 274.0 | 272.0 | 270.0 | 15°    | 119.7 | 118.1 |
| 301.0  | 301.0 | 301.0  | 301.0 | 300.5  | 300.0 | 299.0 | 298.0 | 294.0 | 293.0 | 17.5°  | 96.1  | 96.1  |
| 325.0  | 325.0 | 325.0  | 325.0 | 324.2  | 323.5 | 322.0 | 321.0 | 318.0 | 317.0 | 20°    | 85.9  | 85.9  |
| 348.0  | 348.0 | 348.0  | 348.0 | 347.2  | 346.5 | 345.0 | 345.0 | 341.0 | 339.0 | 22.5°  | 79.6  | 79.6  |
| 369.0  | 369.0 | 369.0  | 369.0 | 368.5  | 368.0 | 367.0 | 367.0 | 364.0 | 363.0 | 25°    | 74.8  | 75.6  |
| 390.0  | 390.0 | 390.0  | 390.0 | 389.8  | 389.5 | 389.0 | 388.0 | 386.0 | 385.0 | 27.5°  | 70.9  | 70.9  |
| 412.0  | 412.0 | 412.0  | 412.0 | 411.5  | 411.0 | 410.0 | 410.0 | 407.0 | 408.0 | 30°    | 66.2  | 66.2  |
| 433.2  | 433.5 | 433.8  | 434.0 | 433.5  | 433.0 | 432.0 | 431.0 | 428.0 | 428.0 | 32.5°  | 58.3  | 58.3  |
| 452.5  | 453.0 | 453.5  | 454.0 | 453.8  | 453.5 | 453.0 | 452.0 | 448.0 | 447.0 | 35°    | 52.0  | 51.2  |
| 469.5  | 470.0 | 470.5  | 471.0 | 470.8  | 470.5 | 470.0 | 469.0 | 465.0 | 464.0 | 37.5°  | 46.5  | 47.3  |
| 486.2  | 486.5 | 486.8  | 487.0 | 486.8  | 486.5 | 486.0 | 485.0 | 482.0 | 483.0 | 40°    | 42.5  | 43.3  |
| 503.2  | 503.5 | 503.8  | 504.0 | 503.8  | 503.5 | 503.0 | 503.0 | 501.0 | 502.0 | 42.5°  | 41.0  | 41.0  |
| 517.5  | 518.0 | 518.5  | 519.0 | 519.0  | 519.0 | 519.0 | 519.0 | 516.0 | 517.0 | 45°    | 39.4  | 39.4  |
| 530.5  | 531.0 | 531.5  | 532.0 | 532.0  | 532.0 | 532.0 | 532.0 | 529.0 | 529.0 | 47.5°  | 39.4  | 39.4  |
| 540.5  | 541.0 | 541.5  | 542.0 | 541.8  | 541.5 | 541.0 | 541.0 | 538.0 | 539.0 | 50°    | 38.6  | 39.4  |
| 550.8  | 551.5 | 552.2  | 553.0 | 552.8  | 552.5 | 552.0 | 552.0 | 548.0 | 549.0 | 52.5°  | 37.8  | 37.8  |
| 558.5  | 559.0 | 559.5  | 560.0 | 560.0  | 560.0 | 560.0 | 561.0 | 558.0 | 559.0 | 55°    | 35.4  | 36.2  |
| 564.2  | 564.5 | 564.8  | 565.0 | 565.2  | 565.5 | 566.0 | 567.0 | 565.0 | 566.0 | 57.5°  | 33.1  | 33.9  |
| 567.5  | 568.0 | 568.5  | 569.0 | 568.8  | 568.5 | 568.0 | 569.0 | 567.0 | 569.0 | 60°    | 30.7  | 30.7  |
| 570.8  | 571.5 | 572.2  | 573.0 | 572.8  | 572.5 | 572.0 | 572.0 | 569.0 | 570.0 | 62.5°  | 27.6  | 27.6  |
| 574.8  | 575.5 | 576.2  | 577.0 | 577.0  | 577.0 | 577.0 | 578.0 | 574.0 | 575.0 | 65°    | 25.2  | 25.2  |
| 576.0  | 576.0 | 576.0  | 576.0 | 576.0  | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 67.5°  | 22.1  | 22.1  |
|        |       |        |       |        |       |       |       |       |       | 70°    | 19.7  | 19.7  |
|        |       |        |       |        |       |       |       |       |       | 72.5°  | 17.3  | 17.3  |
|        |       |        |       |        |       |       |       |       |       | 75°    | 15.0  | 15.0  |
|        |       |        |       |        |       |       |       |       |       | 77.5°  | 12.6  | 11.8  |
|        |       |        |       |        |       |       |       |       |       | 80°    | 9.5   | 9.5   |
|        |       |        |       |        |       |       |       |       |       | 82.5°  | 5.5   | 5.5   |
|        |       |        |       |        |       |       |       |       |       | 85°    | 1.6   | 1.6   |
|        |       |        |       |        |       |       |       |       |       | 87.5°  | 0.0   | 0.0   |
|        |       |        |       |        |       |       |       |       |       | 90°    | 0.0   | 0.0   |
|        |       |        |       |        |       |       |       |       |       | 92.5°  | 0.0   | 0.0   |
|        |       |        |       |        |       |       |       |       |       | 95°    | 1.0   | 1.0   |
|        |       |        |       |        |       |       |       |       |       | 97.5°  | 2.0   | 2.0   |
|        |       |        |       |        |       |       |       |       |       | 100°   | 8.0   | 8.0   |
|        |       |        |       |        |       |       |       |       |       | 102.5° | 28.0  | 28.0  |
|        |       |        |       |        |       |       |       |       |       | 105°   | 54.0  | 54.0  |
|        |       |        |       |        |       |       |       |       |       | 107.5° | 77.0  | 78.0  |
|        |       |        |       |        |       |       |       |       |       | 110°   | 102.0 | 101.0 |



REPORT NUMBER: P228262

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

**CANDELA DISTRIBUTION (continued):**

|        | 175°  | 180°  |
|--------|-------|-------|
| 112.5° | 124.0 | 124.0 |
| 115°   | 147.0 | 146.0 |
| 117.5° | 170.0 | 169.0 |
| 120°   | 195.0 | 193.0 |
| 122.5° | 220.0 | 219.0 |
| 125°   | 246.0 | 244.0 |
| 127.5° | 269.0 | 267.0 |
| 130°   | 292.0 | 290.0 |
| 132.5° | 314.0 | 313.0 |
| 135°   | 337.0 | 336.0 |
| 137.5° | 360.0 | 359.0 |
| 140°   | 383.0 | 382.0 |
| 142.5° | 406.0 | 404.0 |
| 145°   | 426.0 | 425.0 |
| 147.5° | 444.0 | 444.0 |
| 150°   | 462.0 | 461.0 |
| 152.5° | 480.0 | 479.0 |
| 155°   | 500.0 | 499.0 |
| 157.5° | 515.0 | 513.0 |
| 160°   | 527.0 | 525.0 |
| 162.5° | 536.0 | 535.0 |
| 165°   | 547.0 | 546.0 |
| 167.5° | 556.0 | 555.0 |
| 170°   | 563.0 | 562.0 |
| 172.5° | 566.0 | 565.0 |
| 175°   | 569.0 | 567.0 |
| 177.5° | 573.0 | 572.0 |
| 180°   | 576.0 | 576.0 |

(END OF REPORT)

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report

