

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: P271570

Luminaire Tested: **ISS-AF-350-LED-E1-T4W-7027-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271570
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29757)-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-T4W-7027-ULG
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-TYPE IV WIDE, WITH UPLIGHT GLOW
Light Source: (16) 2700K CCT, 70 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3472.6 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')
IES Classification: Type IV - 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

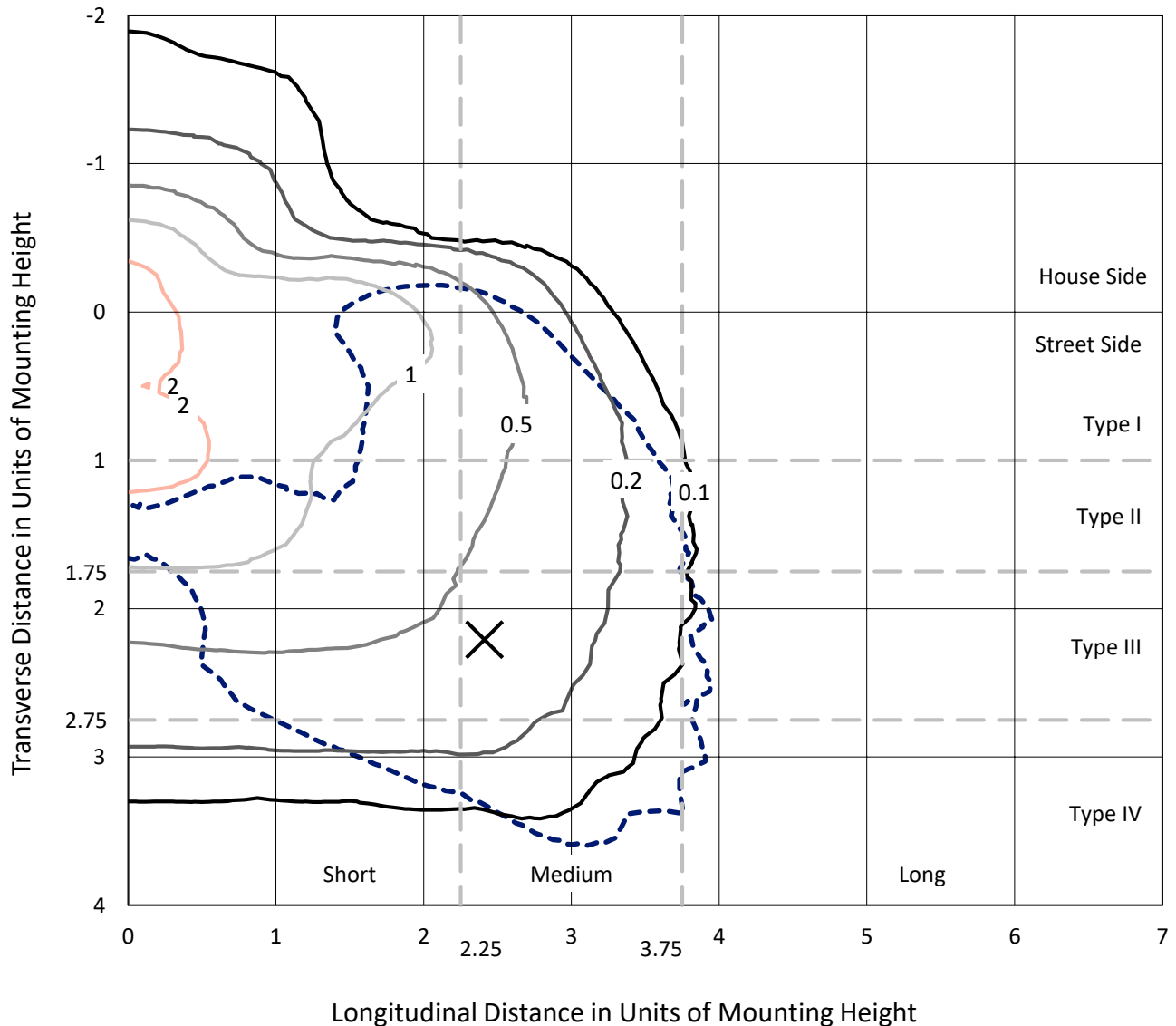


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Iso-Footcandle Lines of Horizontal Illumination

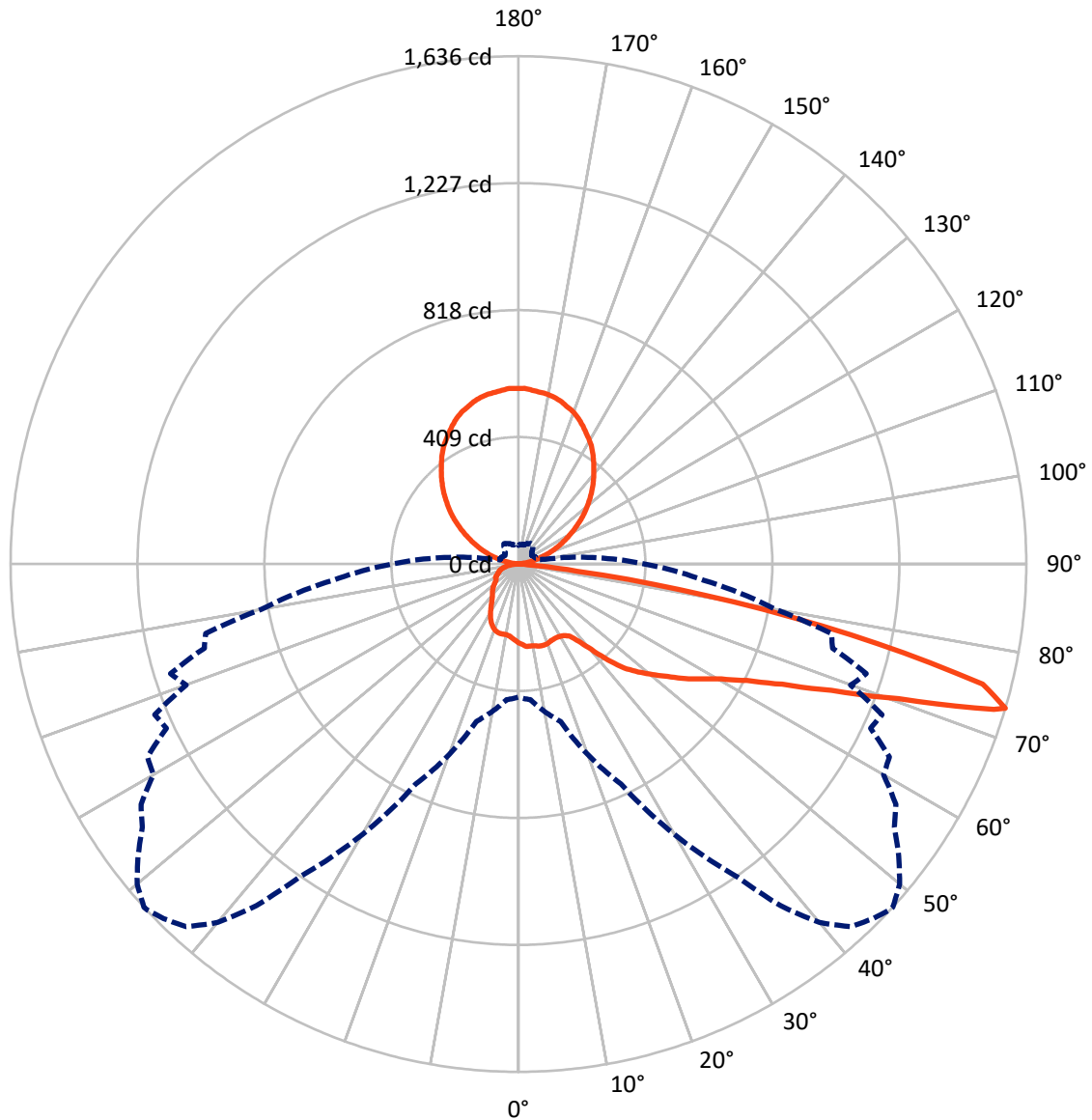
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.9 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 47.5-Deg Lateral - - - Horizontal Cone Through 73-Deg Vertical

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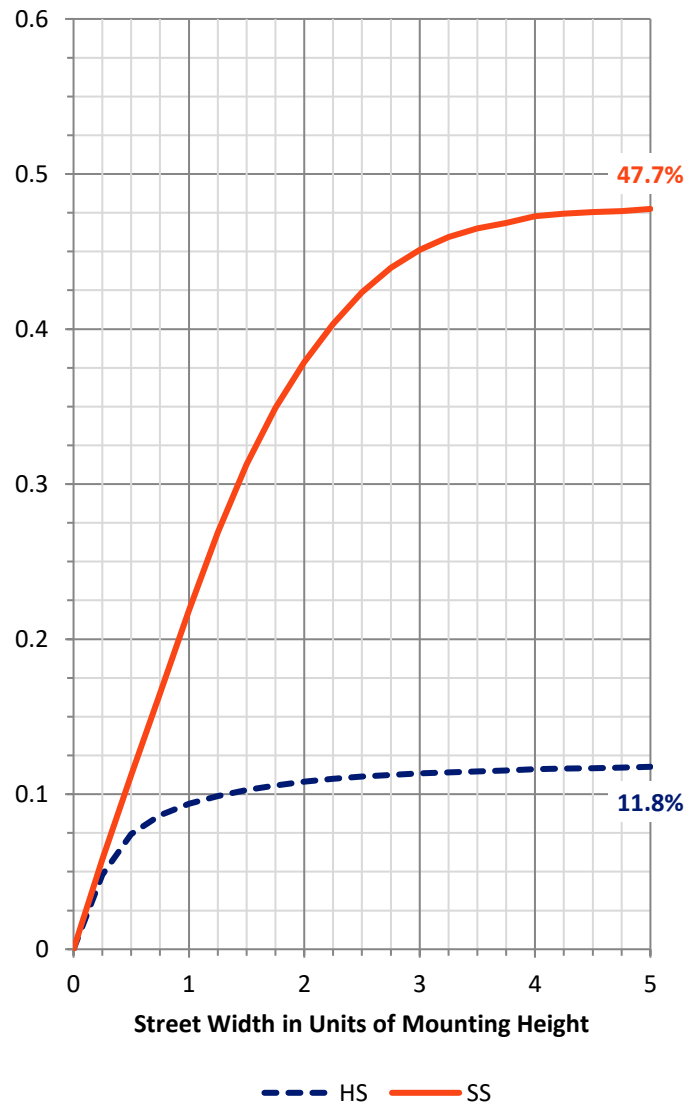
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 414.1 | 699.9 | 1114.0 |
| | % Fixture | 11.9 | 20.2 | 32.1 |
| Street Side | Lumens | 1658.7 | 699.9 | 2358.6 |
| | % Fixture | 47.8 | 20.2 | 67.9 |
| Total | Lumens | 2072.9 | 1399.8 | 3472.6 |
| | % Fixture | 59.7 | 40.3 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 24.2 | 0.7 |
| 10°-20° | 72.1 | 2.1 |
| 20°-30° | 110.9 | 3.2 |
| 30°-40° | 161.7 | 4.7 |
| 40°-50° | 266.7 | 7.7 |
| 50°-60° | 417.5 | 12.0 |
| 60°-70° | 566.4 | 16.3 |
| 70°-80° | 419.4 | 12.1 |
| 80°-90° | 33.9 | 1.0 |
| 90°-100° | 4.7 | 0.1 |
| 100°-110° | 67.7 | 2.0 |
| 110°-120° | 150.2 | 4.3 |
| 120°-130° | 219.7 | 6.3 |
| 130°-140° | 260.7 | 7.5 |
| 140°-150° | 264.3 | 7.6 |
| 150°-160° | 226.8 | 6.5 |
| 160°-170° | 152.2 | 4.4 |
| 170°-180° | 53.3 | 1.5 |
| 0°-90° | 2072.9 | 59.7 |
| 0°-180° | 3472.6 | 100.0 |



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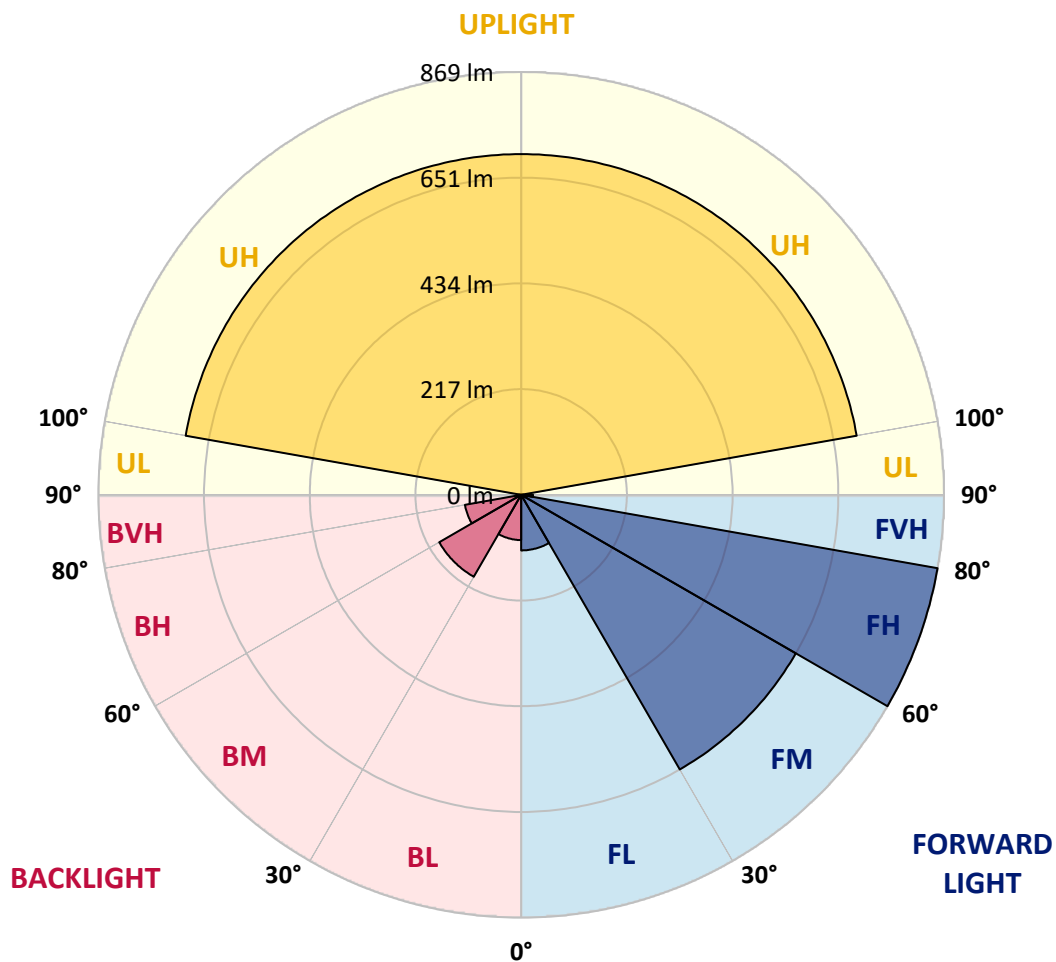
CATALOG NUMBER: ISS-AF-350-LED-E1-T4W-7027-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|---------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 114.3 | 3.3 | | | |
| FM | (30°-60°) | 651.5 | 18.8 | | | |
| FH | (60°-80°) | 868.5 | 25.0 | | | G1/1800 |
| FVH | (80°-90°) | 24.4 | 0.7 | | | G1/100 |
| BL | (0°-30°) | 93.0 | 2.7 | B0/110 | | |
| BM | (30°-60°) | 194.5 | 5.6 | B0/220 | | |
| BH | (60°-80°) | 117.3 | 3.4 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 9.4 | 0.3 | | | G0/10 |
| UL | (90°-100°) | 4.7 | 0.1 | | U1/10 | |
| UH | (100°-180°) | 699.9 | 20.2 | | U4/1000 | |

BUG Rating: B1-U5-G1

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 37.5° | 40° | 42.5° | 45° | 47° | 47.5° |
|--------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 254.6 | 254.6 | 254.6 | 254.6 | 254.6 | 254.6 | 254.6 | 254.6 | 254.6 | 254.6 | 254.6 |
| 2.5° | 269.6 | 269.0 | 266.9 | 266.2 | 264.1 | 262.8 | 262.0 | 261.4 | 263.5 | 262.0 | 260.0 |
| 5° | 286.6 | 285.3 | 282.6 | 278.6 | 274.4 | 271.6 | 271.0 | 269.6 | 269.6 | 268.2 | 266.9 |
| 7.5° | 299.0 | 298.3 | 294.3 | 288.1 | 281.2 | 276.5 | 273.7 | 271.6 | 272.4 | 271.0 | 266.9 |
| 10° | 310.6 | 309.3 | 302.5 | 294.9 | 284.7 | 279.2 | 275.8 | 272.4 | 275.2 | 273.1 | 267.5 |
| 12.5° | 319.5 | 318.2 | 308.6 | 299.0 | 287.4 | 281.2 | 277.8 | 275.8 | 278.6 | 277.1 | 271.0 |
| 15° | 324.4 | 323.0 | 313.4 | 301.8 | 289.4 | 282.6 | 281.2 | 279.8 | 281.9 | 279.2 | 273.7 |
| 17.5° | 321.6 | 321.6 | 312.7 | 300.4 | 290.2 | 283.2 | 281.2 | 279.8 | 282.6 | 279.8 | 273.7 |
| 20° | 311.4 | 312.7 | 306.5 | 293.6 | 286.0 | 281.2 | 279.2 | 276.5 | 279.2 | 276.5 | 272.4 |
| 22.5° | 298.3 | 299.8 | 296.4 | 284.7 | 279.2 | 275.8 | 275.2 | 272.4 | 274.4 | 272.4 | 268.2 |
| 25° | 286.6 | 286.6 | 285.3 | 275.2 | 274.4 | 271.6 | 272.4 | 271.0 | 272.4 | 269.6 | 266.9 |
| 27.5° | 287.4 | 287.4 | 281.9 | 271.6 | 271.0 | 271.0 | 271.0 | 271.0 | 271.6 | 269.6 | 266.9 |
| 30° | 327.8 | 329.0 | 313.4 | 284.7 | 274.4 | 273.1 | 273.7 | 273.1 | 273.7 | 273.1 | 269.6 |
| 32.5° | 388.7 | 388.7 | 373.7 | 329.0 | 292.8 | 284.0 | 280.5 | 279.8 | 277.8 | 277.1 | 274.4 |
| 35° | 449.0 | 448.3 | 433.2 | 383.8 | 338.0 | 321.0 | 309.9 | 299.8 | 294.9 | 290.2 | 285.3 |
| 37.5° | 499.5 | 497.5 | 495.4 | 439.3 | 391.4 | 371.6 | 358.5 | 343.5 | 333.9 | 325.7 | 314.8 |
| 40° | 546.8 | 550.1 | 557.7 | 490.7 | 444.8 | 426.2 | 413.3 | 394.2 | 384.6 | 374.3 | 361.3 |
| 42.5° | 611.7 | 616.6 | 617.2 | 546.1 | 493.3 | 481.0 | 470.8 | 456.4 | 446.2 | 433.8 | 422.2 |
| 45° | 674.6 | 675.3 | 677.4 | 605.5 | 552.9 | 537.2 | 529.6 | 516.0 | 502.9 | 487.2 | 477.6 |
| 47.5° | 717.8 | 715.8 | 724.7 | 674.0 | 622.6 | 604.9 | 594.0 | 573.4 | 553.5 | 533.8 | 519.4 |
| 50° | 770.5 | 768.4 | 768.4 | 752.0 | 703.5 | 682.9 | 663.8 | 625.4 | 604.2 | 579.6 | 559.0 |
| 52.5° | 817.0 | 809.6 | 814.3 | 823.8 | 788.4 | 762.3 | 728.7 | 685.7 | 657.6 | 627.5 | 601.4 |
| 55° | 880.7 | 841.6 | 852.6 | 886.2 | 872.4 | 832.1 | 787.6 | 741.8 | 709.6 | 675.3 | 651.5 |
| 57.5° | 858.8 | 832.1 | 864.2 | 923.1 | 922.4 | 884.8 | 847.1 | 791.0 | 758.9 | 726.7 | 697.3 |
| 60° | 780.1 | 793.7 | 863.6 | 948.4 | 951.8 | 922.4 | 891.6 | 839.6 | 814.3 | 780.8 | 751.3 |
| 62.5° | 719.1 | 739.0 | 834.9 | 946.4 | 985.4 | 958.0 | 932.7 | 901.9 | 884.1 | 856.1 | 825.9 |
| 65° | 715.8 | 727.4 | 820.4 | 944.3 | 1032.6 | 1018.2 | 1006.6 | 992.2 | 988.8 | 968.2 | 933.4 |
| 67.5° | 748.6 | 759.6 | 845.0 | 997.0 | 1102.4 | 1096.2 | 1113.3 | 1110.6 | 1125.7 | 1115.3 | 1086.6 |
| 70° | 684.3 | 690.4 | 795.8 | 1015.4 | 1261.8 | 1289.2 | 1327.4 | 1325.4 | 1357.6 | 1332.9 | 1299.5 |
| 72.5° | 480.3 | 492.7 | 585.8 | 838.9 | 1265.3 | 1411.7 | 1500.6 | 1575.9 | 1610.8 | 1616.9 | 1601.2 |
| 73° | 429.0 | 438.6 | 524.8 | 781.4 | 1230.9 | 1387.1 | 1506.7 | 1584.1 | 1615.0 | 1634.1 | 1635.5 |
| 75° | 149.2 | 154.0 | 229.2 | 473.6 | 984.0 | 1210.5 | 1364.4 | 1434.2 | 1426.7 | 1482.8 | 1544.5 |
| 77.5° | 47.9 | 48.6 | 59.6 | 122.5 | 474.8 | 751.3 | 923.1 | 987.3 | 950.5 | 1011.3 | 1093.5 |
| 80° | 29.5 | 30.8 | 39.0 | 55.4 | 124.5 | 227.9 | 385.9 | 483.1 | 463.3 | 520.1 | 607.6 |
| 82.5° | 17.8 | 18.4 | 24.0 | 34.2 | 49.9 | 55.4 | 72.5 | 98.5 | 121.1 | 145.7 | 190.9 |
| 85° | 8.3 | 8.9 | 11.7 | 15.7 | 20.5 | 21.2 | 20.5 | 19.1 | 21.9 | 25.3 | 29.5 |
| 87.5° | 0.0 | 0.0 | 0.7 | 1.3 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 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° | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | 5.1 | 6.4 | 7.6 | 8.8 | 9.6 | 9.8 |
| 100° | 7.8 | 7.8 | 9.8 | 13.7 | 21.6 | 23.5 | 25.5 | 27.5 | 29.5 | 29.8 | 29.9 |
| 102.5° | 27.5 | 27.5 | 31.4 | 37.3 | 44.2 | 45.4 | 46.6 | 47.9 | 49.0 | 49.2 | 49.2 |
| 105° | 53.0 | 53.0 | 55.0 | 59.8 | 64.8 | 65.8 | 66.7 | 67.7 | 68.7 | 68.9 | 68.9 |
| 107.5° | 76.5 | 75.5 | 78.5 | 82.5 | 86.3 | 87.1 | 87.9 | 88.6 | 89.3 | 89.7 | 89.8 |



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CATALOG NUMBER: ISS-AF-350-LED-E1-T4W-7027-ULG

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 37.5° | 40° | 42.5° | 45° | 47° | 47.5° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110° | 99.2 | 100.1 | 101.1 | 104.0 | 108.0 | 108.4 | 109.0 | 109.4 | 110.0 | 110.3 | 110.4 |
| 112.5° | 121.7 | 121.7 | 123.7 | 126.6 | 129.5 | 130.1 | 130.5 | 131.1 | 131.5 | 131.9 | 132.1 |
| 115° | 143.3 | 144.3 | 146.2 | 148.2 | 151.2 | 151.6 | 152.2 | 152.6 | 153.1 | 153.5 | 153.6 |
| 117.5° | 165.8 | 166.8 | 168.8 | 170.8 | 173.7 | 174.2 | 174.7 | 175.2 | 175.7 | 175.9 | 175.9 |
| 120° | 189.5 | 191.4 | 192.3 | 194.3 | 197.3 | 197.4 | 197.8 | 198.1 | 198.3 | 198.6 | 198.7 |
| 122.5° | 215.0 | 216.0 | 216.9 | 218.8 | 221.8 | 222.0 | 222.3 | 222.6 | 222.8 | 223.0 | 223.0 |
| 125° | 239.5 | 241.5 | 242.5 | 243.4 | 246.3 | 246.6 | 246.9 | 247.1 | 247.3 | 247.6 | 247.6 |
| 127.5° | 262.0 | 264.0 | 265.0 | 267.0 | 269.0 | 269.4 | 269.9 | 270.4 | 270.9 | 271.3 | 271.4 |
| 130° | 284.7 | 286.6 | 287.5 | 288.5 | 292.5 | 292.7 | 292.9 | 293.3 | 293.5 | 293.8 | 293.9 |
| 132.5° | 307.2 | 308.2 | 311.2 | 312.1 | 315.0 | 315.2 | 315.6 | 315.8 | 316.0 | 316.7 | 316.8 |
| 135° | 329.8 | 330.8 | 332.7 | 334.7 | 338.6 | 338.6 | 338.6 | 338.6 | 338.6 | 339.2 | 339.4 |
| 137.5° | 352.3 | 353.3 | 356.3 | 357.3 | 360.2 | 360.2 | 360.2 | 360.2 | 360.2 | 360.6 | 360.7 |
| 140° | 375.0 | 375.9 | 377.8 | 378.8 | 380.8 | 381.0 | 381.3 | 381.6 | 381.8 | 382.0 | 382.0 |
| 142.5° | 396.5 | 398.5 | 400.5 | 399.5 | 402.4 | 402.4 | 402.4 | 402.4 | 402.4 | 402.8 | 402.9 |
| 145° | 417.2 | 418.1 | 420.0 | 420.0 | 423.0 | 423.2 | 423.6 | 423.8 | 424.0 | 424.4 | 424.4 |
| 147.5° | 435.8 | 435.8 | 438.7 | 439.7 | 443.7 | 443.9 | 444.1 | 444.4 | 444.6 | 444.8 | 444.8 |
| 150° | 452.5 | 453.5 | 455.4 | 456.4 | 460.3 | 460.5 | 460.8 | 461.1 | 461.3 | 461.5 | 461.5 |
| 152.5° | 470.2 | 471.1 | 474.0 | 473.0 | 476.0 | 476.2 | 476.6 | 476.8 | 477.0 | 477.2 | 477.2 |
| 155° | 489.8 | 490.7 | 492.7 | 491.7 | 493.7 | 493.7 | 493.7 | 493.7 | 493.7 | 493.9 | 493.9 |
| 157.5° | 503.5 | 505.5 | 507.5 | 506.5 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 |
| 160° | 515.3 | 517.2 | 519.2 | 519.2 | 522.2 | 522.2 | 522.2 | 522.2 | 522.2 | 522.2 | 522.2 |
| 162.5° | 525.1 | 526.0 | 529.0 | 528.0 | 531.0 | 531.0 | 531.0 | 531.0 | 531.0 | 531.2 | 531.2 |
| 165° | 535.9 | 536.8 | 538.8 | 537.8 | 541.8 | 541.8 | 541.8 | 541.8 | 541.8 | 541.9 | 541.9 |
| 167.5° | 544.7 | 545.7 | 548.7 | 547.7 | 550.6 | 550.4 | 550.1 | 549.9 | 549.7 | 549.7 | 549.7 |
| 170° | 551.6 | 552.5 | 555.5 | 554.5 | 556.5 | 556.3 | 556.1 | 555.7 | 555.5 | 555.3 | 555.3 |
| 172.5° | 554.5 | 555.5 | 558.5 | 556.5 | 558.5 | 558.3 | 557.9 | 557.7 | 557.5 | 557.7 | 557.7 |
| 175° | 556.5 | 558.5 | 559.5 | 558.5 | 561.4 | 561.4 | 561.4 | 561.4 | 561.4 | 561.6 | 561.6 |
| 177.5° | 561.4 | 562.4 | 564.3 | 563.3 | 567.3 | 567.1 | 566.8 | 566.5 | 566.3 | 566.3 | 566.3 |
| 180° | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 |



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CANDELA DISTRIBUTION (continued):

| | 50° | 52.5° | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° | 75° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 254.6 | 254.6 | 254.6 | 254.6 | 254.6 | 254.6 | 254.6 | 254.6 | 254.6 | 254.6 | 254.6 |
| 2.5° | 262.0 | 260.0 | 260.0 | 257.3 | 258.6 | 255.8 | 257.3 | 254.6 | 255.8 | 252.5 | 254.6 |
| 5° | 266.2 | 262.8 | 262.8 | 258.6 | 259.3 | 254.6 | 256.6 | 251.2 | 254.0 | 247.8 | 251.9 |
| 7.5° | 268.2 | 262.0 | 264.8 | 257.3 | 260.7 | 252.5 | 256.6 | 247.8 | 253.2 | 243.6 | 250.4 |
| 10° | 271.0 | 262.0 | 266.9 | 258.6 | 262.8 | 253.2 | 258.6 | 247.8 | 254.6 | 242.9 | 249.1 |
| 12.5° | 275.2 | 265.4 | 269.6 | 260.0 | 265.4 | 254.6 | 260.0 | 249.1 | 255.8 | 242.9 | 250.4 |
| 15° | 277.8 | 268.2 | 272.4 | 262.8 | 266.9 | 254.6 | 261.4 | 248.4 | 255.8 | 242.3 | 250.4 |
| 17.5° | 277.1 | 268.2 | 272.4 | 261.4 | 266.2 | 254.0 | 260.7 | 247.8 | 254.6 | 240.2 | 249.1 |
| 20° | 274.4 | 266.9 | 269.6 | 260.0 | 264.1 | 251.9 | 257.9 | 245.0 | 252.5 | 238.1 | 247.0 |
| 22.5° | 271.0 | 263.5 | 266.9 | 257.9 | 262.0 | 249.8 | 255.3 | 243.6 | 251.2 | 236.7 | 245.0 |
| 25° | 269.0 | 262.8 | 264.8 | 255.8 | 261.4 | 250.4 | 255.8 | 242.9 | 251.2 | 236.7 | 246.3 |
| 27.5° | 268.2 | 262.8 | 266.9 | 258.6 | 263.5 | 254.0 | 259.3 | 247.8 | 254.6 | 239.5 | 249.1 |
| 30° | 272.4 | 267.5 | 271.0 | 264.1 | 268.2 | 258.6 | 264.1 | 253.2 | 260.0 | 245.7 | 256.6 |
| 32.5° | 277.1 | 272.4 | 275.8 | 269.6 | 275.8 | 266.2 | 273.1 | 262.0 | 270.3 | 255.8 | 266.2 |
| 35° | 287.4 | 281.9 | 286.6 | 279.8 | 286.6 | 279.2 | 286.6 | 275.2 | 285.3 | 271.0 | 281.9 |
| 37.5° | 314.0 | 299.0 | 303.9 | 296.4 | 303.2 | 293.6 | 306.5 | 294.9 | 306.5 | 292.8 | 307.8 |
| 40° | 356.4 | 329.8 | 334.6 | 318.9 | 329.0 | 314.8 | 330.5 | 321.6 | 337.3 | 320.2 | 339.4 |
| 42.5° | 412.0 | 386.6 | 381.8 | 357.9 | 366.8 | 349.7 | 365.4 | 349.7 | 370.9 | 354.4 | 378.4 |
| 45° | 462.5 | 435.9 | 428.3 | 405.0 | 411.2 | 388.7 | 408.5 | 386.6 | 414.7 | 395.5 | 425.7 |
| 47.5° | 504.3 | 472.9 | 466.7 | 440.0 | 450.9 | 429.7 | 454.4 | 431.1 | 465.3 | 446.2 | 481.0 |
| 50° | 542.7 | 503.6 | 502.2 | 473.6 | 492.0 | 470.8 | 505.7 | 489.9 | 523.4 | 504.3 | 545.5 |
| 52.5° | 586.4 | 537.2 | 544.0 | 518.1 | 547.4 | 529.6 | 570.1 | 547.4 | 591.3 | 570.7 | 615.9 |
| 55° | 632.9 | 580.9 | 598.7 | 583.0 | 617.9 | 606.3 | 640.5 | 620.0 | 663.1 | 642.6 | 690.4 |
| 57.5° | 684.3 | 639.9 | 671.2 | 663.8 | 694.5 | 680.2 | 718.5 | 700.0 | 743.1 | 726.0 | 773.9 |
| 60° | 751.3 | 721.9 | 752.7 | 752.0 | 778.7 | 778.0 | 802.6 | 791.7 | 832.8 | 825.3 | 869.0 |
| 62.5° | 838.3 | 815.0 | 847.8 | 838.9 | 871.1 | 865.6 | 895.7 | 895.7 | 925.2 | 935.5 | 979.2 |
| 65° | 955.3 | 924.4 | 963.4 | 949.8 | 981.9 | 983.4 | 1002.5 | 1005.9 | 1041.5 | 1053.2 | 1090.7 |
| 67.5° | 1114.0 | 1078.4 | 1109.1 | 1083.2 | 1120.2 | 1118.1 | 1134.5 | 1141.4 | 1146.1 | 1174.3 | 1178.4 |
| 70° | 1342.6 | 1289.2 | 1317.3 | 1281.6 | 1288.5 | 1293.3 | 1262.5 | 1285.0 | 1230.3 | 1274.9 | 1214.6 |
| 72.5° | 1589.6 | 1528.6 | 1480.0 | 1444.6 | 1374.0 | 1363.8 | 1274.2 | 1293.3 | 1177.0 | 1215.2 | 1093.5 |
| 73° | 1602.6 | 1543.7 | 1478.0 | 1441.2 | 1357.6 | 1346.6 | 1250.9 | 1267.3 | 1138.6 | 1174.9 | 1047.0 |
| 75° | 1456.8 | 1472.5 | 1314.5 | 1329.5 | 1184.4 | 1201.7 | 1051.7 | 1070.9 | 912.8 | 940.2 | 775.2 |
| 77.5° | 981.9 | 1034.6 | 857.4 | 923.7 | 743.8 | 810.2 | 607.0 | 613.1 | 447.5 | 418.1 | 284.0 |
| 80° | 486.5 | 531.7 | 377.1 | 412.0 | 276.5 | 271.6 | 165.6 | 137.5 | 117.0 | 119.7 | 123.2 |
| 82.5° | 140.2 | 158.1 | 97.8 | 97.2 | 69.1 | 65.7 | 65.7 | 69.8 | 71.1 | 79.4 | 77.3 |
| 85° | 26.7 | 32.2 | 28.0 | 37.5 | 33.6 | 36.9 | 34.2 | 39.6 | 36.9 | 45.8 | 39.6 |
| 87.5° | 0.7 | 0.0 | 0.7 | 2.1 | 2.1 | 4.9 | 3.4 | 5.5 | 5.5 | 9.6 | 8.9 |
| 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° | 10.8 | 11.8 | 12.8 | 11.3 | 9.8 | 8.4 | 6.8 | 6.4 | 5.9 | 5.4 | 4.9 |
| 100° | 30.5 | 30.9 | 31.4 | 30.9 | 30.5 | 29.9 | 29.5 | 28.7 | 27.9 | 27.3 | 26.5 |
| 102.5° | 49.6 | 49.9 | 50.0 | 49.9 | 49.6 | 49.2 | 49.0 | 48.6 | 48.1 | 47.6 | 47.1 |
| 105° | 69.2 | 69.5 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.2 | 68.7 | 68.2 | 67.7 |
| 107.5° | 90.3 | 90.8 | 91.3 | 91.1 | 90.8 | 90.5 | 90.3 | 90.1 | 89.8 | 89.5 | 89.3 |



REPORT NUMBER: P271570

CATALOG NUMBER: ISS-AF-350-LED-E1-T4W-7027-ULG

CANDELA DISTRIBUTION (continued):

| | 50° | 52.5° | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° | 75° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110° | 110.9 | 111.4 | 111.9 | 111.9 | 111.9 | 111.9 | 111.9 | 111.7 | 111.4 | 111.1 | 110.9 |
| 112.5° | 132.5 | 132.9 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.3 | 132.9 | 132.7 | 132.5 |
| 115° | 154.1 | 154.6 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 |
| 117.5° | 176.2 | 176.4 | 176.7 | 176.9 | 177.1 | 177.4 | 177.7 | 177.4 | 177.1 | 176.9 | 176.7 |
| 120° | 199.2 | 199.7 | 200.2 | 200.2 | 200.2 | 200.2 | 200.2 | 200.2 | 200.2 | 200.2 | 200.2 |
| 122.5° | 223.3 | 223.6 | 223.8 | 223.8 | 223.8 | 223.8 | 223.8 | 223.9 | 224.3 | 224.6 | 224.8 |
| 125° | 247.8 | 248.1 | 248.3 | 248.5 | 248.8 | 249.1 | 249.3 | 249.3 | 249.3 | 249.3 | 249.3 |
| 127.5° | 271.8 | 272.4 | 272.8 | 272.6 | 272.4 | 272.1 | 271.8 | 272.1 | 272.4 | 272.6 | 272.8 |
| 130° | 294.5 | 294.9 | 295.5 | 295.5 | 295.5 | 295.5 | 295.5 | 295.6 | 295.9 | 296.2 | 296.4 |
| 132.5° | 317.6 | 318.2 | 319.0 | 319.0 | 319.0 | 319.0 | 319.0 | 319.2 | 319.4 | 319.8 | 320.0 |
| 135° | 340.1 | 340.7 | 341.5 | 341.5 | 341.5 | 341.5 | 341.5 | 341.7 | 342.1 | 342.3 | 342.5 |
| 137.5° | 361.2 | 361.7 | 362.2 | 362.2 | 362.2 | 362.2 | 362.2 | 362.4 | 362.6 | 362.9 | 363.2 |
| 140° | 382.3 | 382.6 | 382.8 | 382.8 | 382.8 | 382.8 | 382.8 | 383.3 | 383.8 | 384.3 | 384.7 |
| 142.5° | 403.4 | 403.9 | 404.3 | 404.3 | 404.3 | 404.3 | 404.3 | 404.6 | 404.9 | 405.1 | 405.3 |
| 145° | 425.0 | 425.4 | 426.0 | 425.8 | 425.4 | 425.2 | 425.0 | 425.2 | 425.4 | 425.8 | 426.0 |
| 147.5° | 445.1 | 445.4 | 445.6 | 445.1 | 444.6 | 444.1 | 443.7 | 443.9 | 444.1 | 444.4 | 444.6 |
| 150° | 461.8 | 462.1 | 462.3 | 461.8 | 461.3 | 460.8 | 460.3 | 460.3 | 460.3 | 460.3 | 460.3 |
| 152.5° | 477.4 | 477.8 | 478.0 | 477.8 | 477.4 | 477.2 | 477.0 | 477.0 | 477.0 | 477.0 | 477.0 |
| 155° | 494.2 | 494.4 | 494.7 | 494.4 | 494.2 | 493.9 | 493.7 | 493.9 | 494.2 | 494.4 | 494.7 |
| 157.5° | 509.4 | 509.4 | 509.4 | 508.9 | 508.4 | 507.9 | 507.5 | 507.6 | 507.9 | 508.2 | 508.4 |
| 160° | 522.2 | 522.2 | 522.2 | 521.6 | 521.2 | 520.7 | 520.2 | 520.2 | 520.2 | 520.2 | 520.2 |
| 162.5° | 531.4 | 531.8 | 532.0 | 531.4 | 531.0 | 530.4 | 530.0 | 529.6 | 529.0 | 528.6 | 528.0 |
| 165° | 542.3 | 542.6 | 542.8 | 541.9 | 541.3 | 540.6 | 539.8 | 539.3 | 538.8 | 538.4 | 537.8 |
| 167.5° | 549.7 | 549.7 | 549.7 | 549.1 | 548.7 | 548.1 | 547.7 | 547.9 | 548.1 | 548.4 | 548.7 |
| 170° | 555.1 | 554.7 | 554.5 | 554.3 | 554.1 | 553.7 | 553.5 | 554.1 | 554.5 | 555.1 | 555.5 |
| 172.5° | 557.9 | 558.3 | 558.5 | 557.9 | 557.5 | 556.9 | 556.5 | 556.7 | 556.9 | 557.3 | 557.5 |
| 175° | 561.9 | 562.2 | 562.4 | 561.6 | 560.9 | 560.3 | 559.5 | 558.9 | 558.5 | 557.9 | 557.5 |
| 177.5° | 566.3 | 566.3 | 566.3 | 565.6 | 564.9 | 564.1 | 563.3 | 563.3 | 563.3 | 563.3 | 563.3 |
| 180° | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 |



REPORT NUMBER: P271570

CATALOG NUMBER: ISS-AF-350-LED-E1-T4W-7027-ULG

CANDELA DISTRIBUTION (continued):

| | 77.5° | 80° | 85° | 90° | 95° | 100° | 102.5° | 105° | 107.5° | 110° | 112.5° |
|--------|--------|--------|--------|--------|-------|-------|--------|-------|--------|-------|--------|
| 0° | 254.6 | 254.6 | 254.6 | 254.6 | 254.6 | 254.6 | 254.6 | 254.6 | 254.6 | 254.6 | 254.6 |
| 2.5° | 251.9 | 255.3 | 254.0 | 252.5 | 251.2 | 250.4 | 247.8 | 249.1 | 245.7 | 248.4 | 245.7 |
| 5° | 246.3 | 250.4 | 248.4 | 245.7 | 244.2 | 242.9 | 238.1 | 241.6 | 236.1 | 240.8 | 236.7 |
| 7.5° | 240.2 | 247.0 | 245.0 | 242.3 | 239.5 | 238.1 | 228.6 | 236.1 | 227.9 | 234.6 | 227.9 |
| 10° | 238.1 | 245.7 | 242.9 | 239.5 | 236.7 | 235.4 | 223.8 | 232.6 | 223.8 | 231.2 | 222.4 |
| 12.5° | 236.7 | 245.7 | 241.6 | 238.1 | 235.4 | 233.3 | 220.4 | 231.2 | 219.6 | 230.7 | 220.4 |
| 15° | 235.4 | 245.7 | 240.2 | 236.1 | 233.3 | 231.2 | 217.6 | 230.0 | 216.9 | 229.2 | 217.6 |
| 17.5° | 234.0 | 243.6 | 238.8 | 234.0 | 231.2 | 230.0 | 214.9 | 227.9 | 214.2 | 227.9 | 216.2 |
| 20° | 231.9 | 241.6 | 236.1 | 231.2 | 228.6 | 226.6 | 211.4 | 225.1 | 210.7 | 224.5 | 211.4 |
| 22.5° | 229.2 | 239.5 | 234.6 | 230.0 | 227.2 | 223.8 | 207.3 | 221.7 | 206.7 | 220.4 | 208.0 |
| 25° | 230.0 | 240.8 | 234.6 | 230.0 | 225.8 | 222.4 | 204.6 | 220.4 | 203.3 | 216.9 | 203.3 |
| 27.5° | 233.3 | 242.9 | 236.7 | 232.6 | 227.2 | 223.0 | 204.6 | 219.0 | 201.8 | 213.4 | 199.2 |
| 30° | 240.2 | 249.8 | 244.2 | 238.1 | 233.3 | 227.9 | 208.0 | 219.6 | 201.8 | 209.3 | 195.0 |
| 32.5° | 251.9 | 260.7 | 255.3 | 250.4 | 245.0 | 236.7 | 214.9 | 223.0 | 203.3 | 206.7 | 191.6 |
| 35° | 266.9 | 277.8 | 275.2 | 271.6 | 264.8 | 250.4 | 226.6 | 227.9 | 206.0 | 203.9 | 186.8 |
| 37.5° | 291.5 | 306.5 | 305.9 | 305.2 | 297.7 | 271.6 | 239.5 | 237.4 | 208.7 | 201.8 | 180.6 |
| 40° | 323.7 | 341.4 | 346.3 | 351.1 | 335.2 | 297.0 | 254.6 | 247.0 | 210.0 | 197.8 | 171.0 |
| 42.5° | 361.3 | 385.2 | 399.7 | 408.5 | 379.7 | 325.1 | 271.6 | 257.9 | 210.0 | 191.6 | 160.1 |
| 45° | 407.8 | 435.9 | 463.3 | 472.9 | 429.0 | 355.1 | 289.4 | 266.9 | 207.3 | 182.1 | 145.7 |
| 47.5° | 464.6 | 497.5 | 535.1 | 539.9 | 482.4 | 387.3 | 301.8 | 273.1 | 198.4 | 169.0 | 132.8 |
| 50° | 527.6 | 567.3 | 622.6 | 619.3 | 539.3 | 420.9 | 309.9 | 277.1 | 182.6 | 154.0 | 117.0 |
| 52.5° | 598.0 | 647.9 | 726.7 | 711.0 | 608.3 | 462.5 | 317.6 | 282.6 | 163.5 | 136.1 | 101.3 |
| 55° | 686.3 | 745.9 | 844.4 | 810.9 | 685.0 | 508.4 | 328.5 | 283.2 | 138.2 | 114.9 | 89.7 |
| 57.5° | 781.4 | 845.0 | 971.0 | 910.2 | 756.8 | 544.0 | 323.7 | 261.4 | 112.8 | 97.2 | 80.8 |
| 60° | 895.7 | 973.0 | 1097.5 | 1002.5 | 817.0 | 556.3 | 290.2 | 215.5 | 96.5 | 87.6 | 76.6 |
| 62.5° | 1023.7 | 1100.3 | 1201.7 | 1066.7 | 851.2 | 535.7 | 215.5 | 149.2 | 82.8 | 78.1 | 70.4 |
| 65° | 1159.8 | 1232.4 | 1251.6 | 1072.3 | 828.7 | 445.5 | 133.5 | 97.8 | 71.9 | 69.8 | 64.9 |
| 67.5° | 1285.0 | 1291.9 | 1204.4 | 983.4 | 719.1 | 310.6 | 91.0 | 78.1 | 66.4 | 65.7 | 62.9 |
| 70° | 1317.3 | 1198.9 | 1001.1 | 765.7 | 519.4 | 184.7 | 73.9 | 67.7 | 63.6 | 63.6 | 61.5 |
| 72.5° | 1100.3 | 912.8 | 669.1 | 464.0 | 283.2 | 98.5 | 62.9 | 61.5 | 60.3 | 60.3 | 58.9 |
| 73° | 1032.0 | 840.9 | 599.3 | 405.0 | 239.5 | 88.2 | 61.5 | 60.3 | 59.6 | 58.9 | 58.2 |
| 75° | 685.7 | 528.2 | 340.1 | 205.4 | 111.5 | 63.6 | 54.8 | 54.8 | 54.1 | 54.8 | 54.1 |
| 77.5° | 264.1 | 199.2 | 131.4 | 88.2 | 63.6 | 49.9 | 46.5 | 47.3 | 46.5 | 47.9 | 47.3 |
| 80° | 116.3 | 114.9 | 86.9 | 62.3 | 46.5 | 37.5 | 37.5 | 37.5 | 38.3 | 39.0 | 39.0 |
| 82.5° | 79.4 | 67.0 | 51.3 | 38.3 | 28.0 | 27.4 | 28.0 | 28.0 | 28.7 | 29.5 | 28.7 |
| 85° | 43.7 | 36.9 | 27.4 | 17.1 | 15.0 | 18.4 | 18.4 | 18.4 | 17.8 | 17.8 | 17.1 |
| 87.5° | 13.7 | 10.3 | 7.5 | 2.1 | 3.4 | 3.4 | 4.9 | 4.1 | 4.1 | 4.9 | 4.9 |
| 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° | 4.7 | 4.4 | 4.0 | 4.0 | 4.0 | 4.4 | 4.7 | 4.9 | 5.4 | 5.9 | 6.4 |
| 100° | 26.3 | 26.1 | 25.5 | 24.5 | 25.5 | 26.1 | 26.3 | 26.5 | 27.3 | 27.9 | 28.7 |
| 102.5° | 47.3 | 47.6 | 48.1 | 47.1 | 48.1 | 47.6 | 47.3 | 47.1 | 47.6 | 48.1 | 48.6 |
| 105° | 68.2 | 68.7 | 69.7 | 67.7 | 69.7 | 68.7 | 68.2 | 67.7 | 68.2 | 68.7 | 69.2 |
| 107.5° | 89.5 | 89.8 | 90.3 | 89.3 | 90.3 | 89.8 | 89.5 | 89.3 | 89.5 | 89.8 | 90.1 |



REPORT NUMBER: P271570
 CATALOG NUMBER: ISS-AF-350-LED-E1-T4W-7027-ULG

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

| | 77.5° | 80° | 85° | 90° | 95° | 100° | 102.5° | 105° | 107.5° | 110° | 112.5° | |
|--------|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|--------|
| 110° | 111.1 | 111.4 | 111.9 | 110.9 | 111.9 | 111.4 | 111.1 | 110.9 | 111.1 | 111.4 | 111.7 | 0° |
| 112.5° | 132.9 | 133.5 | 134.5 | 132.5 | 134.5 | 133.5 | 132.9 | 132.5 | 132.7 | 132.9 | 133.3 | 2.5° |
| 115° | 155.6 | 156.0 | 157.0 | 156.0 | 157.0 | 156.0 | 155.6 | 155.0 | 155.0 | 155.0 | 155.0 | 5° |
| 117.5° | 177.1 | 177.7 | 178.7 | 176.7 | 178.7 | 177.7 | 177.1 | 176.7 | 176.9 | 177.1 | 177.4 | 7.5° |
| 120° | 200.7 | 201.2 | 202.2 | 200.2 | 202.2 | 201.2 | 200.7 | 200.2 | 200.2 | 200.2 | 200.2 | 10° |
| 122.5° | 225.7 | 226.7 | 228.7 | 227.7 | 228.7 | 226.7 | 225.7 | 224.8 | 224.6 | 224.3 | 223.9 | 12.5° |
| 125° | 250.1 | 250.8 | 252.2 | 251.3 | 252.2 | 250.8 | 250.1 | 249.3 | 249.3 | 249.3 | 249.3 | 15° |
| 127.5° | 273.6 | 274.3 | 275.8 | 272.8 | 275.8 | 274.3 | 273.6 | 272.8 | 272.6 | 272.4 | 272.1 | 17.5° |
| 130° | 297.2 | 297.9 | 299.3 | 297.4 | 299.3 | 297.9 | 297.2 | 296.4 | 296.2 | 295.9 | 295.6 | 20° |
| 132.5° | 320.8 | 321.4 | 322.9 | 321.0 | 322.9 | 321.4 | 320.8 | 320.0 | 319.8 | 319.4 | 319.2 | 22.5° |
| 135° | 343.1 | 343.5 | 344.5 | 343.5 | 344.5 | 343.5 | 343.1 | 342.5 | 342.3 | 342.1 | 341.7 | 25° |
| 137.5° | 364.2 | 365.1 | 367.0 | 365.1 | 367.0 | 365.1 | 364.2 | 363.2 | 362.9 | 362.6 | 362.4 | 27.5° |
| 140° | 385.7 | 386.7 | 388.7 | 386.7 | 388.7 | 386.7 | 385.7 | 384.7 | 384.3 | 383.8 | 383.3 | 30° |
| 142.5° | 406.1 | 406.8 | 408.3 | 407.3 | 408.3 | 406.8 | 406.1 | 405.3 | 405.1 | 404.9 | 404.6 | 32.5° |
| 145° | 426.8 | 427.4 | 428.9 | 427.0 | 428.9 | 427.4 | 426.8 | 426.0 | 425.8 | 425.4 | 425.2 | 35° |
| 147.5° | 445.4 | 446.1 | 447.5 | 444.6 | 447.5 | 446.1 | 445.4 | 444.6 | 444.4 | 444.1 | 443.9 | 37.5° |
| 150° | 461.3 | 462.3 | 464.2 | 461.3 | 464.2 | 462.3 | 461.3 | 460.3 | 460.3 | 460.3 | 460.3 | 40° |
| 152.5° | 477.8 | 478.4 | 480.0 | 477.0 | 480.0 | 478.4 | 477.8 | 477.0 | 477.0 | 477.0 | 477.0 | 42.5° |
| 155° | 495.4 | 496.1 | 497.6 | 495.7 | 497.6 | 496.1 | 495.4 | 494.7 | 494.4 | 494.2 | 493.9 | 45° |
| 157.5° | 509.6 | 510.9 | 513.3 | 510.3 | 513.3 | 510.9 | 509.6 | 508.4 | 508.2 | 507.9 | 507.6 | 47.5° |
| 160° | 520.9 | 521.6 | 523.2 | 521.2 | 523.2 | 521.6 | 520.9 | 520.2 | 520.2 | 520.2 | 520.2 | 50° |
| 162.5° | 528.6 | 529.0 | 530.0 | 527.0 | 530.0 | 529.0 | 528.6 | 528.0 | 528.6 | 529.0 | 529.6 | 52.5° |
| 165° | 538.4 | 538.8 | 539.8 | 537.8 | 539.8 | 538.8 | 538.4 | 537.8 | 538.4 | 538.8 | 539.3 | 55° |
| 167.5° | 549.7 | 550.6 | 552.5 | 550.6 | 552.5 | 550.6 | 549.7 | 548.7 | 548.4 | 548.1 | 547.9 | 57.5° |
| 170° | 556.7 | 557.9 | 560.5 | 558.5 | 560.5 | 557.9 | 556.7 | 555.5 | 555.1 | 554.5 | 554.1 | 60° |
| 172.5° | 558.3 | 558.9 | 560.5 | 557.5 | 560.5 | 558.9 | 558.3 | 557.5 | 557.3 | 556.9 | 556.7 | 62.5° |
| 175° | 558.3 | 558.9 | 560.5 | 557.5 | 560.5 | 558.9 | 558.3 | 557.5 | 557.9 | 558.5 | 558.9 | 65° |
| 177.5° | 564.1 | 564.9 | 566.3 | 563.3 | 566.3 | 564.9 | 564.1 | 563.3 | 563.3 | 563.3 | 563.3 | 67.5° |
| 180° | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 70° |
| | | | | | | | | | | | | 72.5° |
| | | | | | | | | | | | | 73° |
| | | | | | | | | | | | | 75° |
| | | | | | | | | | | | | 77.5° |
| | | | | | | | | | | | | 80° |
| | | | | | | | | | | | | 82.5° |
| | | | | | | | | | | | | 85° |
| | | | | | | | | | | | | 87.5° |
| | | | | | | | | | | | | 90° |
| | | | | | | | | | | | | 92.5° |
| | | | | | | | | | | | | 95° |
| | | | | | | | | | | | | 97.5° |
| | | | | | | | | | | | | 100° |
| | | | | | | | | | | | | 102.5° |
| | | | | | | | | | | | | 105° |
| | | | | | | | | | | | | 107.5° |



NUMBER: P271570
 NUMBER: ISS-AF-350-LED-E1-T4W-7027-ULG

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

| 115° | 117.5° | 120° | 122.5° | 125° | 127.5° | 130° | 135° | 145° | 155° | 165° | 110° | 115° |
|-------|--------|-------|--------|-------|--------|-------|-------|-------|-------|-------|--------|-------|
| 254.6 | 254.6 | 254.6 | 254.6 | 254.6 | 254.6 | 254.6 | 254.6 | 254.6 | 254.6 | 254.6 | 110° | 111.9 |
| 248.4 | 246.3 | 248.4 | 245.0 | 247.8 | 245.0 | 247.0 | 247.0 | 246.3 | 246.3 | 246.3 | 112.5° | 133.5 |
| 240.2 | 236.7 | 240.2 | 238.1 | 240.2 | 237.4 | 239.5 | 240.2 | 240.8 | 242.9 | 242.3 | 115° | 155.0 |
| 234.0 | 227.2 | 234.6 | 227.9 | 234.0 | 227.9 | 233.3 | 234.0 | 236.1 | 238.8 | 240.8 | 117.5° | 177.7 |
| 231.2 | 222.4 | 231.2 | 223.0 | 230.7 | 223.8 | 230.7 | 231.2 | 233.3 | 236.7 | 240.2 | 120° | 200.2 |
| 230.0 | 220.4 | 230.0 | 221.7 | 230.0 | 223.0 | 230.0 | 231.9 | 233.3 | 236.1 | 240.2 | 122.5° | 223.8 |
| 228.6 | 219.0 | 230.0 | 221.1 | 230.0 | 223.0 | 230.7 | 231.9 | 234.0 | 236.7 | 240.2 | 125° | 249.3 |
| 227.9 | 216.9 | 228.6 | 220.4 | 228.6 | 221.7 | 230.0 | 230.0 | 232.6 | 236.1 | 238.1 | 127.5° | 271.8 |
| 225.1 | 214.9 | 225.1 | 216.9 | 225.1 | 219.0 | 225.8 | 225.8 | 228.6 | 230.0 | 233.3 | 130° | 295.5 |
| 221.1 | 210.0 | 219.6 | 212.1 | 219.6 | 213.4 | 219.0 | 219.0 | 221.1 | 223.0 | 225.1 | 132.5° | 319.0 |
| 214.9 | 204.6 | 212.8 | 206.0 | 211.4 | 206.0 | 210.0 | 209.3 | 210.7 | 212.1 | 213.4 | 135° | 341.5 |
| 208.0 | 197.8 | 204.6 | 197.1 | 200.5 | 195.0 | 197.8 | 196.4 | 197.1 | 197.8 | 198.4 | 137.5° | 362.2 |
| 200.5 | 190.2 | 193.7 | 186.8 | 187.5 | 182.1 | 183.3 | 181.4 | 180.6 | 180.0 | 178.7 | 140° | 382.8 |
| 192.2 | 181.4 | 181.4 | 174.5 | 173.1 | 168.3 | 168.3 | 165.6 | 163.5 | 160.8 | 158.1 | 142.5° | 404.3 |
| 182.1 | 172.5 | 167.6 | 162.1 | 159.4 | 154.7 | 154.0 | 150.6 | 145.7 | 140.9 | 138.2 | 145° | 425.0 |
| 171.8 | 160.8 | 154.0 | 148.5 | 145.7 | 142.3 | 141.7 | 138.9 | 133.5 | 128.0 | 123.9 | 147.5° | 443.7 |
| 158.1 | 147.1 | 139.6 | 137.5 | 135.5 | 132.8 | 133.5 | 130.1 | 124.5 | 118.4 | 114.9 | 150° | 460.3 |
| 144.4 | 134.7 | 128.6 | 128.0 | 126.6 | 125.9 | 126.6 | 123.9 | 117.7 | 112.2 | 108.2 | 152.5° | 477.0 |
| 132.8 | 123.2 | 117.0 | 116.3 | 115.6 | 118.4 | 119.0 | 118.4 | 111.5 | 106.1 | 100.6 | 155° | 493.7 |
| 121.1 | 109.5 | 105.4 | 104.0 | 104.7 | 108.9 | 110.1 | 112.2 | 106.1 | 99.9 | 92.3 | 157.5° | 507.5 |
| 107.4 | 96.5 | 95.1 | 93.7 | 94.4 | 97.8 | 101.3 | 105.4 | 99.9 | 91.0 | 80.8 | 160° | 520.2 |
| 95.1 | 85.5 | 86.1 | 84.9 | 86.1 | 88.9 | 91.6 | 98.5 | 91.6 | 82.8 | 78.1 | 162.5° | 530.0 |
| 85.5 | 78.1 | 79.4 | 78.1 | 79.4 | 82.8 | 84.9 | 90.3 | 90.3 | 88.2 | 84.2 | 165° | 539.8 |
| 78.7 | 73.2 | 74.6 | 73.2 | 75.3 | 78.1 | 80.1 | 91.6 | 98.5 | 93.1 | 84.9 | 167.5° | 547.7 |
| 74.6 | 69.8 | 70.4 | 69.1 | 70.4 | 74.6 | 78.7 | 92.3 | 103.3 | 92.3 | 86.1 | 170° | 553.5 |
| 68.5 | 64.3 | 63.6 | 63.6 | 64.9 | 71.9 | 73.9 | 86.1 | 102.0 | 91.6 | 86.9 | 172.5° | 556.5 |
| 64.3 | 60.8 | 60.3 | 59.6 | 60.8 | 65.7 | 67.7 | 80.1 | 98.5 | 86.9 | 78.7 | 175° | 559.5 |
| 62.3 | 59.6 | 58.2 | 56.9 | 58.2 | 62.3 | 64.3 | 75.3 | 93.1 | 82.8 | 73.9 | 177.5° | 563.3 |
| 60.3 | 57.5 | 56.9 | 55.4 | 56.1 | 58.9 | 61.5 | 69.1 | 88.2 | 78.1 | 69.1 | 180° | 565.3 |
| 57.5 | 54.8 | 54.1 | 52.0 | 52.7 | 55.4 | 56.9 | 64.9 | 82.1 | 73.2 | 64.3 | | |
| 56.9 | 54.1 | 53.4 | 51.3 | 52.0 | 54.1 | 55.4 | 63.6 | 80.8 | 72.5 | 63.6 | | |
| 53.4 | 50.7 | 49.9 | 48.6 | 49.2 | 49.2 | 50.7 | 58.2 | 76.6 | 68.5 | 59.6 | | |
| 47.3 | 45.2 | 44.5 | 43.1 | 42.4 | 41.7 | 43.7 | 51.3 | 69.8 | 61.5 | 47.9 | | |
| 39.0 | 36.9 | 36.3 | 33.6 | 33.6 | 33.6 | 36.3 | 43.7 | 52.0 | 44.5 | 36.9 | | |
| 28.7 | 27.4 | 27.4 | 25.3 | 24.6 | 24.0 | 26.1 | 30.1 | 41.1 | 34.9 | 28.7 | | |
| 17.1 | 16.3 | 17.1 | 15.0 | 15.7 | 15.0 | 17.1 | 21.2 | 22.5 | 17.8 | 13.7 | | |
| 4.1 | 4.9 | 4.9 | 4.9 | 4.1 | 4.1 | 3.4 | 2.8 | 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 | | |
| 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | |
| 6.8 | 8.4 | 9.8 | 11.3 | 12.8 | 11.8 | 10.8 | 8.8 | 4.0 | 3.0 | 2.0 | | |
| 29.5 | 29.9 | 30.5 | 30.9 | 31.4 | 30.9 | 30.5 | 29.5 | 21.6 | 13.7 | 9.8 | | |
| 49.0 | 49.2 | 49.6 | 49.9 | 50.0 | 49.9 | 49.6 | 49.0 | 44.2 | 37.3 | 31.4 | | |
| 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.5 | 69.2 | 68.7 | 64.8 | 59.8 | 55.0 | | |
| 90.3 | 90.5 | 90.8 | 91.1 | 91.3 | 90.8 | 90.3 | 89.3 | 86.3 | 82.5 | 78.5 | | |

271570
 ISS-AF-350-LED-E1-T4W-7027-ULG

REPORT NUMBER: P271570
 CATALOG NUMBER: ISS-AF-350

TION (continued):

CANDELA DISTRIBUTION (con

| 117.5° | 120° | 122.5° | 125° | 127.5° | 130° | 135° | 145° | 155° | 165° | | 175° | 180° |
|--------|-------|--------|-------|--------|-------|-------|-------|-------|-------|--------|-------|-------|
| 111.9 | 111.9 | 111.9 | 111.9 | 111.4 | 110.9 | 110.0 | 108.0 | 104.0 | 101.1 | 0° | 254.6 | 254.6 |
| 133.5 | 133.5 | 133.5 | 133.5 | 132.9 | 132.5 | 131.5 | 129.5 | 126.6 | 123.7 | 2.5° | 245.7 | 245.0 |
| 155.0 | 155.0 | 155.0 | 155.0 | 154.6 | 154.1 | 153.1 | 151.2 | 148.2 | 146.2 | 5° | 242.3 | 242.3 |
| 177.4 | 177.1 | 176.9 | 176.7 | 176.4 | 176.2 | 175.7 | 173.7 | 170.8 | 168.8 | 7.5° | 240.8 | 240.8 |
| 200.2 | 200.2 | 200.2 | 200.2 | 199.7 | 199.2 | 198.3 | 197.3 | 194.3 | 192.3 | 10° | 241.6 | 241.6 |
| 223.8 | 223.8 | 223.8 | 223.8 | 223.6 | 223.3 | 222.8 | 221.8 | 218.8 | 216.9 | 12.5° | 241.6 | 242.9 |
| 249.1 | 248.8 | 248.5 | 248.3 | 248.1 | 247.8 | 247.3 | 246.3 | 243.4 | 242.5 | 15° | 243.6 | 242.9 |
| 272.1 | 272.4 | 272.6 | 272.8 | 272.4 | 271.8 | 270.9 | 269.0 | 267.0 | 265.0 | 17.5° | 241.6 | 241.6 |
| 295.5 | 295.5 | 295.5 | 295.5 | 294.9 | 294.5 | 293.5 | 292.5 | 288.5 | 287.5 | 20° | 236.1 | 237.4 |
| 319.0 | 319.0 | 319.0 | 319.0 | 318.2 | 317.6 | 316.0 | 315.0 | 312.1 | 311.2 | 22.5° | 228.6 | 228.6 |
| 341.5 | 341.5 | 341.5 | 341.5 | 340.7 | 340.1 | 338.6 | 338.6 | 334.7 | 332.7 | 25° | 216.2 | 216.9 |
| 362.2 | 362.2 | 362.2 | 362.2 | 361.7 | 361.2 | 360.2 | 360.2 | 357.3 | 356.3 | 27.5° | 199.9 | 201.2 |
| 382.8 | 382.8 | 382.8 | 382.8 | 382.6 | 382.3 | 381.8 | 380.8 | 378.8 | 377.8 | 30° | 179.3 | 180.6 |
| 404.3 | 404.3 | 404.3 | 404.3 | 403.9 | 403.4 | 402.4 | 402.4 | 399.5 | 400.5 | 32.5° | 156.0 | 157.5 |
| 425.2 | 425.4 | 425.8 | 426.0 | 425.4 | 425.0 | 424.0 | 423.0 | 420.0 | 420.0 | 35° | 137.5 | 138.2 |
| 444.1 | 444.6 | 445.1 | 445.6 | 445.4 | 445.1 | 444.6 | 443.7 | 439.7 | 438.7 | 37.5° | 125.2 | 125.2 |
| 460.8 | 461.3 | 461.8 | 462.3 | 462.1 | 461.8 | 461.3 | 460.3 | 456.4 | 455.4 | 40° | 114.9 | 114.9 |
| 477.2 | 477.4 | 477.8 | 478.0 | 477.8 | 477.4 | 477.0 | 476.0 | 473.0 | 474.0 | 42.5° | 105.4 | 104.7 |
| 493.9 | 494.2 | 494.4 | 494.7 | 494.4 | 494.2 | 493.7 | 493.7 | 491.7 | 492.7 | 45° | 95.8 | 94.4 |
| 507.9 | 508.4 | 508.9 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 506.5 | 507.5 | 47.5° | 86.1 | 85.5 |
| 520.7 | 521.2 | 521.6 | 522.2 | 522.2 | 522.2 | 522.2 | 522.2 | 519.2 | 519.2 | 50° | 78.1 | 78.1 |
| 530.4 | 531.0 | 531.4 | 532.0 | 531.8 | 531.4 | 531.0 | 531.0 | 528.0 | 529.0 | 52.5° | 79.4 | 79.4 |
| 540.6 | 541.3 | 541.9 | 542.8 | 542.6 | 542.3 | 541.8 | 541.8 | 537.8 | 538.8 | 55° | 85.5 | 85.5 |
| 548.1 | 548.7 | 549.1 | 549.7 | 549.7 | 549.7 | 549.7 | 550.6 | 547.7 | 548.7 | 57.5° | 86.1 | 85.5 |
| 553.7 | 554.1 | 554.3 | 554.5 | 554.7 | 555.1 | 555.5 | 556.5 | 554.5 | 555.5 | 60° | 93.7 | 93.1 |
| 556.9 | 557.5 | 557.9 | 558.5 | 558.3 | 557.9 | 557.5 | 558.5 | 556.5 | 558.5 | 62.5° | 97.8 | 99.9 |
| 560.3 | 560.9 | 561.6 | 562.4 | 562.2 | 561.9 | 561.4 | 561.4 | 558.5 | 559.5 | 65° | 85.5 | 82.8 |
| 564.1 | 564.9 | 565.6 | 566.3 | 566.3 | 566.3 | 566.3 | 567.3 | 563.3 | 564.3 | 67.5° | 81.5 | 77.3 |
| 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 70° | 73.2 | 67.0 |
| | | | | | | | | | | 72.5° | 64.9 | 61.5 |
| | | | | | | | | | | 73° | 62.9 | 60.3 |
| | | | | | | | | | | 75° | 56.1 | 54.8 |
| | | | | | | | | | | 77.5° | 42.4 | 41.7 |
| | | | | | | | | | | 80° | 35.7 | 34.9 |
| | | | | | | | | | | 82.5° | 24.0 | 22.5 |
| | | | | | | | | | | 85° | 10.3 | 9.6 |
| | | | | | | | | | | 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° | 7.8 | 7.8 |
| | | | | | | | | | | 102.5° | 27.5 | 27.5 |
| | | | | | | | | | | 105° | 53.0 | 53.0 |
| | | | | | | | | | | 107.5° | 75.5 | 76.5 |



REPORT NUMBER: P271570

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

CANDELA DISTRIBUTION (continued):

| | 175° | 180° |
|--------|-------|-------|
| 110° | 100.1 | 99.2 |
| 112.5° | 121.7 | 121.7 |
| 115° | 144.3 | 143.3 |
| 117.5° | 166.8 | 165.8 |
| 120° | 191.4 | 189.5 |
| 122.5° | 216.0 | 215.0 |
| 125° | 241.5 | 239.5 |
| 127.5° | 264.0 | 262.0 |
| 130° | 286.6 | 284.7 |
| 132.5° | 308.2 | 307.2 |
| 135° | 330.8 | 329.8 |
| 137.5° | 353.3 | 352.3 |
| 140° | 375.9 | 375.0 |
| 142.5° | 398.5 | 396.5 |
| 145° | 418.1 | 417.2 |
| 147.5° | 435.8 | 435.8 |
| 150° | 453.5 | 452.5 |
| 152.5° | 471.1 | 470.2 |
| 155° | 490.7 | 489.8 |
| 157.5° | 505.5 | 503.5 |
| 160° | 517.2 | 515.3 |
| 162.5° | 526.0 | 525.1 |
| 165° | 536.8 | 535.9 |
| 167.5° | 545.7 | 544.7 |
| 170° | 552.5 | 551.6 |
| 172.5° | 555.5 | 554.5 |
| 175° | 558.5 | 556.5 |
| 177.5° | 562.4 | 561.4 |
| 180° | 565.3 | 565.3 |

(END OF REPORT)

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

Scaled Data Report

