

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: P271610

Luminaire Tested: **ISS-AF-1000-LED-E1-T4W-7027-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271610
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-1000-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: 6424 lumens
Efficiency: N/A
Efficacy: 90.1 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 - G2

Input Watts (W): 71.3
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

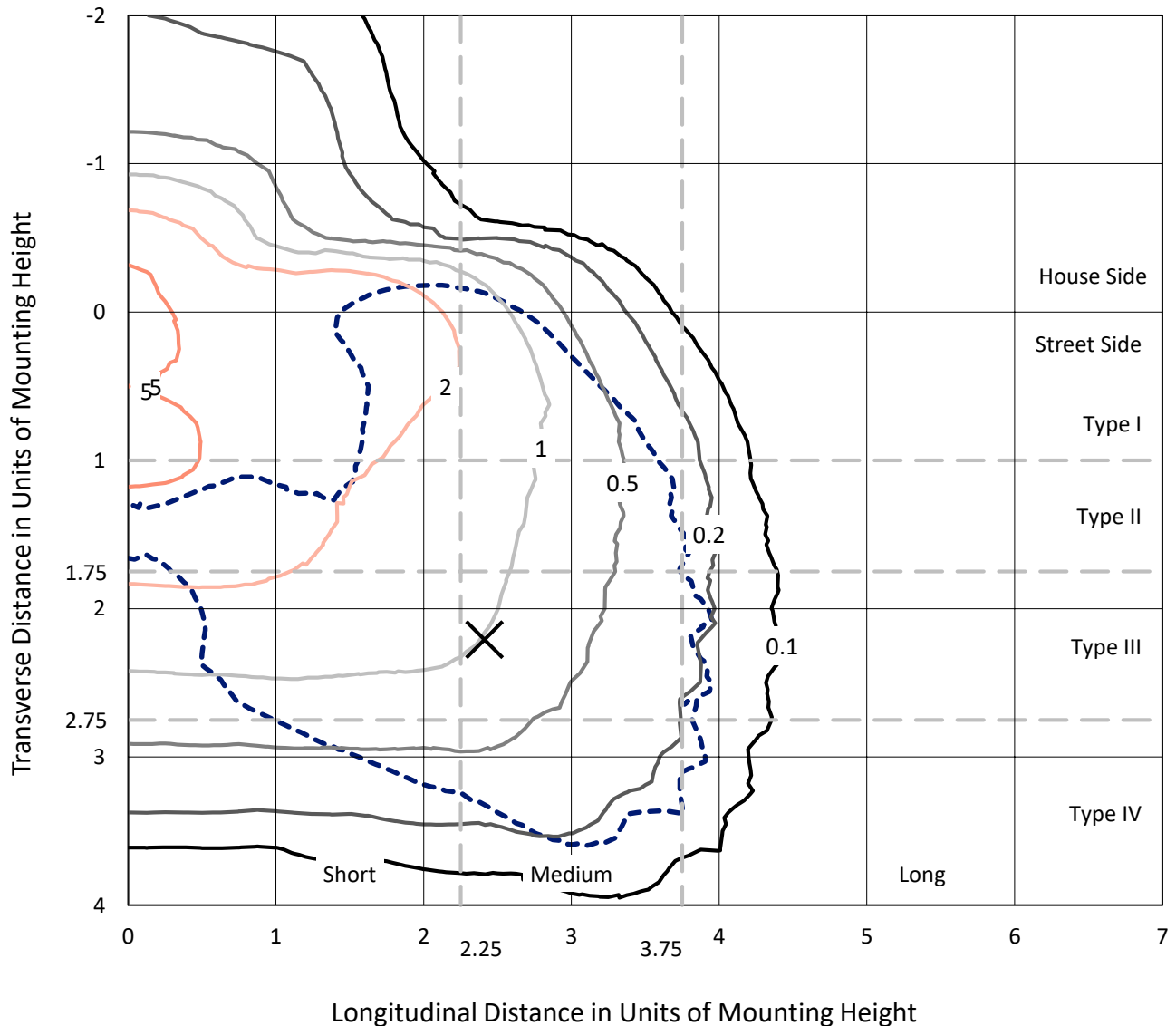


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Iso-Footcandle Lines of Horizontal Illumination

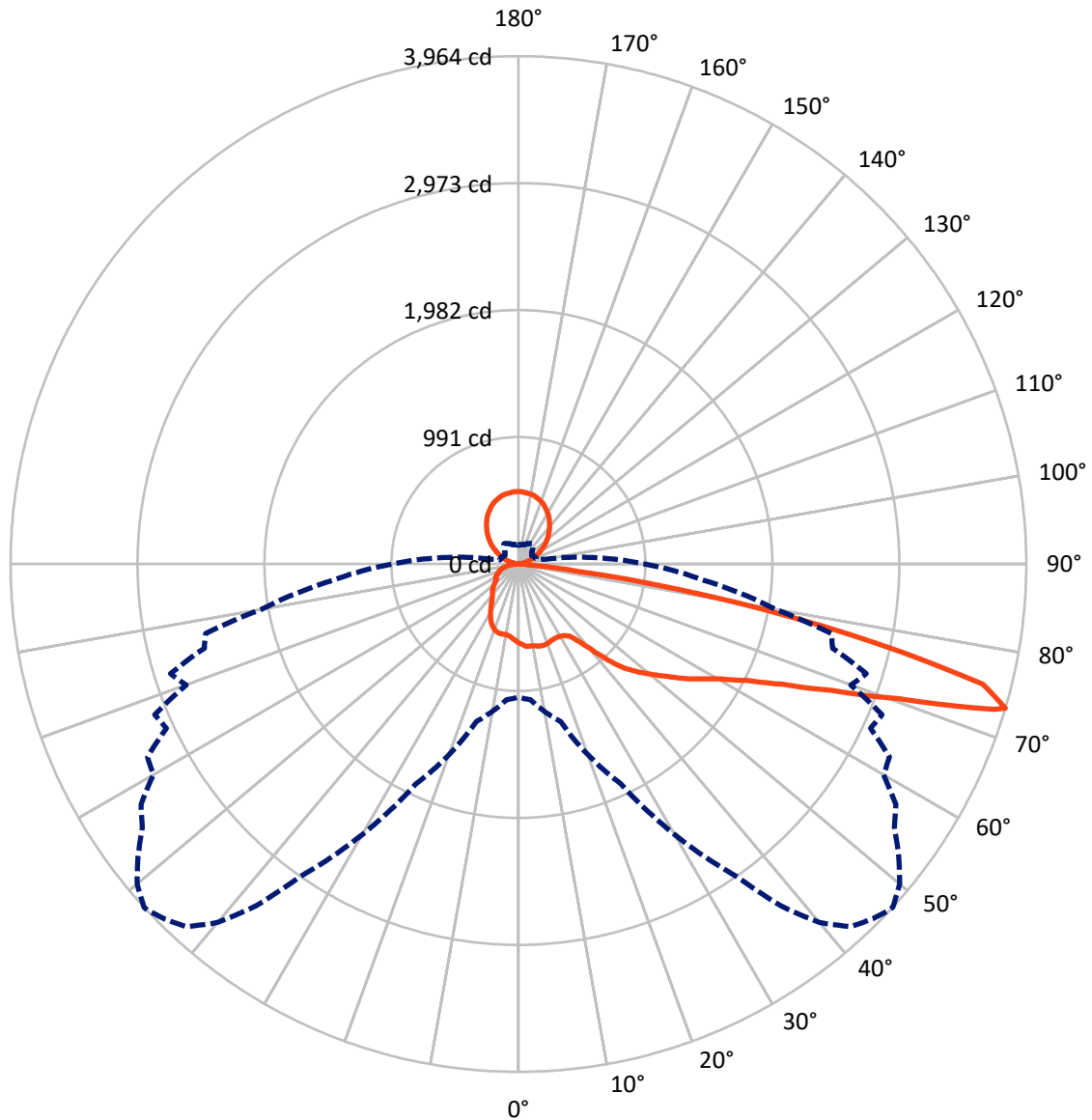
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.1 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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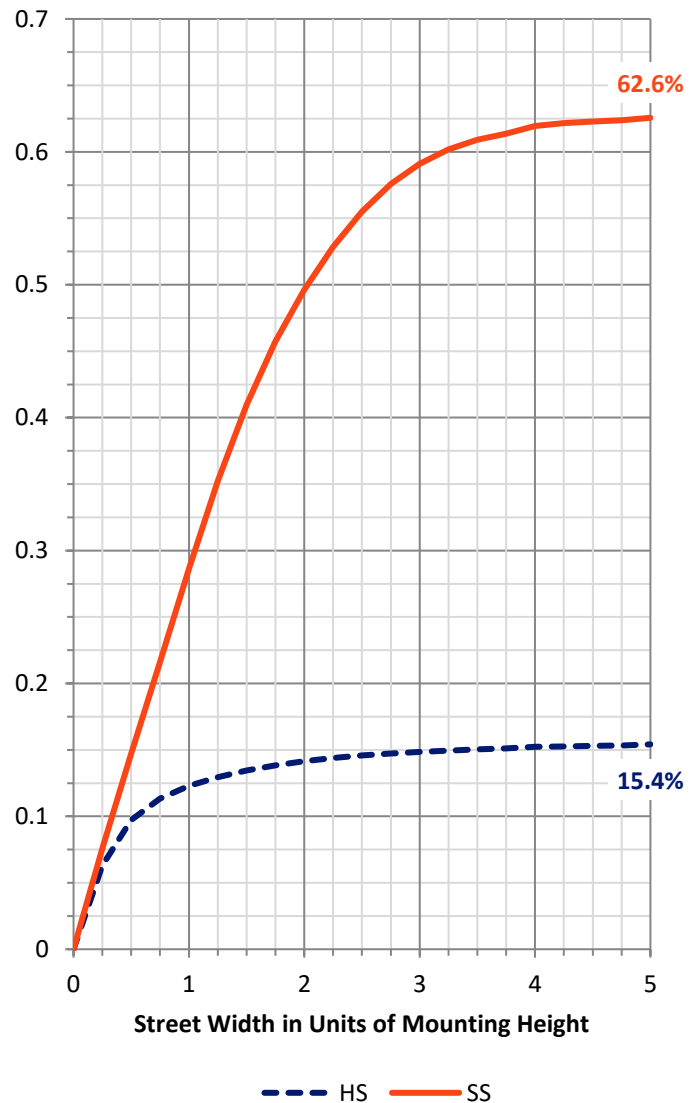
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1003.8 | 699.9 | 1703.7 |
| | % Fixture | 15.6 | 10.9 | 26.5 |
| Street Side | Lumens | 4020.4 | 699.9 | 4720.3 |
| | % Fixture | 62.6 | 10.9 | 73.5 |
| Total | Lumens | 5024.2 | 1399.8 | 6424.0 |
| | % Fixture | 78.2 | 21.8 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 58.7 | 0.9 |
| 10°-20° | 174.8 | 2.7 |
| 20°-30° | 268.7 | 4.2 |
| 30°-40° | 392.0 | 6.1 |
| 40°-50° | 646.4 | 10.1 |
| 50°-60° | 1012.0 | 15.8 |
| 60°-70° | 1372.8 | 21.4 |
| 70°-80° | 1016.6 | 15.8 |
| 80°-90° | 82.1 | 1.3 |
| 90°-100° | 4.7 | 0.1 |
| 100°-110° | 67.7 | 1.1 |
| 110°-120° | 150.2 | 2.3 |
| 120°-130° | 219.7 | 3.4 |
| 130°-140° | 260.7 | 4.1 |
| 140°-150° | 264.3 | 4.1 |
| 150°-160° | 226.8 | 3.5 |
| 160°-170° | 152.2 | 2.4 |
| 170°-180° | 53.3 | 0.8 |
| 0°-90° | 5024.2 | 78.2 |
| 0°-180° | 6424.0 | 100.0 |



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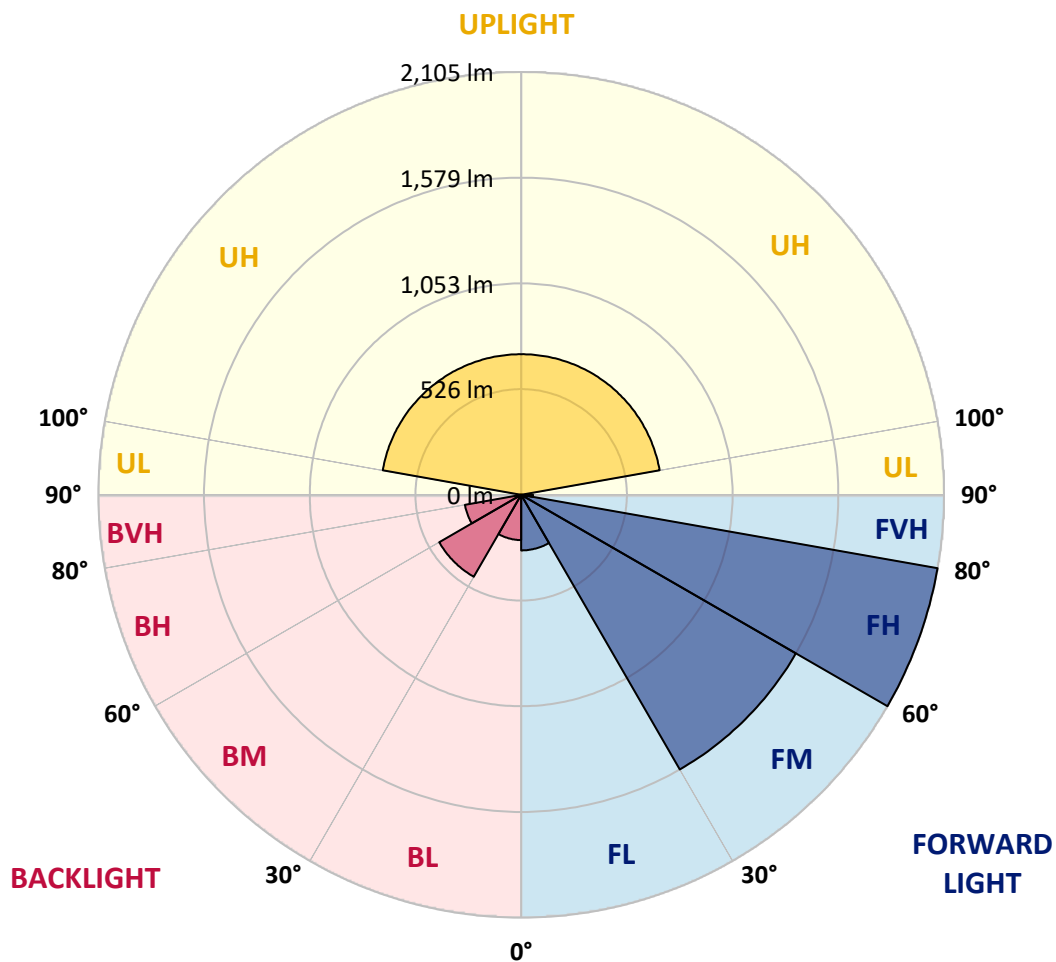
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|---------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 276.9 | 4.3 | | | |
| FM | (30°-60°) | 1579.1 | 24.6 | | | |
| FH | (60°-80°) | 2105.2 | 32.8 | | | G2/5000 |
| FVH | (80°-90°) | 59.2 | 0.9 | | | G1/100 |
| BL | (0°-30°) | 225.3 | 3.5 | B1/500 | | |
| BM | (30°-60°) | 471.3 | 7.3 | B1/1000 | | |
| BH | (60°-80°) | 284.3 | 4.4 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 22.9 | 0.4 | | | G1/100 |
| UL | (90°-100°) | 4.7 | 0.1 | | U1/10 | |
| UH | (100°-180°) | 699.9 | 10.9 | | U4/1000 | |

BUG Rating: B1-U5-G2

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° | 617.0 | 617.0 | 617.0 | 617.0 | 617.0 | 617.0 | 617.0 | 617.0 | 617.0 | 617.0 | 617.0 |
| 2.5° | 653.4 | 651.8 | 646.8 | 645.2 | 640.2 | 636.9 | 635.2 | 633.6 | 638.5 | 635.2 | 630.3 |
| 5° | 694.9 | 691.7 | 685.0 | 675.1 | 665.0 | 658.5 | 656.8 | 653.4 | 653.4 | 650.1 | 646.8 |
| 7.5° | 724.8 | 723.1 | 713.2 | 698.3 | 681.6 | 670.0 | 663.4 | 658.5 | 660.1 | 656.8 | 646.8 |
| 10° | 753.0 | 749.6 | 733.1 | 714.8 | 690.0 | 676.6 | 668.4 | 660.1 | 666.7 | 661.7 | 648.5 |
| 12.5° | 774.5 | 771.3 | 748.0 | 724.8 | 696.5 | 681.6 | 673.4 | 668.4 | 675.1 | 671.8 | 656.8 |
| 15° | 786.2 | 782.9 | 759.6 | 731.4 | 701.6 | 685.0 | 681.6 | 678.3 | 683.3 | 676.6 | 663.4 |
| 17.5° | 779.5 | 779.5 | 757.9 | 728.1 | 703.2 | 686.7 | 681.6 | 678.3 | 685.0 | 678.3 | 663.4 |
| 20° | 754.7 | 757.9 | 743.0 | 711.5 | 693.2 | 681.6 | 676.6 | 670.0 | 676.6 | 670.0 | 660.1 |
| 22.5° | 723.1 | 726.4 | 718.1 | 690.0 | 676.6 | 668.4 | 666.7 | 660.1 | 665.0 | 660.1 | 650.1 |
| 25° | 694.9 | 694.9 | 691.7 | 666.7 | 665.0 | 658.5 | 660.1 | 656.8 | 660.1 | 653.4 | 646.8 |
| 27.5° | 696.5 | 696.5 | 683.3 | 658.5 | 656.8 | 656.8 | 656.8 | 656.8 | 658.5 | 653.4 | 646.8 |
| 30° | 794.4 | 797.8 | 759.6 | 690.0 | 665.0 | 661.7 | 663.4 | 661.7 | 663.4 | 661.7 | 653.4 |
| 32.5° | 942.1 | 942.1 | 905.5 | 797.8 | 709.8 | 688.3 | 679.9 | 678.3 | 673.4 | 671.8 | 665.0 |
| 35° | 1087.9 | 1086.3 | 1049.8 | 930.5 | 819.3 | 777.8 | 751.3 | 726.4 | 714.8 | 703.2 | 691.7 |
| 37.5° | 1210.7 | 1205.7 | 1200.8 | 1064.9 | 948.7 | 900.6 | 869.1 | 832.5 | 809.4 | 789.5 | 762.9 |
| 40° | 1325.2 | 1333.4 | 1351.7 | 1189.2 | 1078.1 | 1033.3 | 1001.8 | 955.3 | 932.1 | 907.2 | 875.7 |
| 42.5° | 1482.7 | 1494.3 | 1495.9 | 1323.6 | 1195.8 | 1165.9 | 1141.0 | 1106.3 | 1081.4 | 1051.5 | 1023.3 |
| 45° | 1635.4 | 1637.0 | 1641.9 | 1467.8 | 1340.1 | 1301.9 | 1283.7 | 1250.5 | 1219.0 | 1180.9 | 1157.6 |
| 47.5° | 1739.7 | 1734.9 | 1756.4 | 1633.7 | 1509.2 | 1466.1 | 1439.6 | 1389.9 | 1341.8 | 1293.6 | 1258.9 |
| 50° | 1867.5 | 1862.5 | 1862.5 | 1822.8 | 1704.9 | 1655.1 | 1608.8 | 1515.9 | 1464.5 | 1404.8 | 1355.0 |
| 52.5° | 1980.2 | 1962.1 | 1973.7 | 1996.8 | 1910.7 | 1847.6 | 1766.3 | 1661.9 | 1593.9 | 1520.9 | 1457.9 |
| 55° | 2134.6 | 2040.1 | 2066.6 | 2147.8 | 2114.6 | 2016.8 | 1909.0 | 1797.9 | 1719.9 | 1637.0 | 1579.0 |
| 57.5° | 2081.5 | 2016.8 | 2094.7 | 2237.4 | 2235.7 | 2144.4 | 2053.3 | 1917.3 | 1839.3 | 1761.4 | 1690.0 |
| 60° | 1890.8 | 1923.9 | 2093.1 | 2298.8 | 2306.9 | 2235.7 | 2161.1 | 2035.0 | 1973.7 | 1892.4 | 1821.0 |
| 62.5° | 1743.1 | 1791.2 | 2023.4 | 2293.7 | 2388.2 | 2322.0 | 2260.6 | 2185.9 | 2142.9 | 2074.8 | 2001.9 |
| 65° | 1734.9 | 1763.0 | 1988.6 | 2288.8 | 2502.7 | 2467.9 | 2439.7 | 2404.9 | 2396.6 | 2346.8 | 2262.2 |
| 67.5° | 1814.5 | 1841.0 | 2048.2 | 2416.5 | 2671.9 | 2657.0 | 2698.4 | 2691.8 | 2728.3 | 2703.4 | 2633.7 |
| 70° | 1658.5 | 1673.5 | 1928.9 | 2461.3 | 3058.3 | 3124.7 | 3217.5 | 3212.6 | 3290.5 | 3230.8 | 3149.5 |
| 72.5° | 1164.3 | 1194.2 | 1419.7 | 2033.3 | 3066.6 | 3421.6 | 3637.1 | 3819.6 | 3904.1 | 3919.1 | 3880.9 |
| 73° | 1039.9 | 1063.1 | 1272.1 | 1894.1 | 2983.7 | 3361.9 | 3652.1 | 3839.4 | 3914.2 | 3960.5 | 3964.0 |
| 75° | 361.6 | 373.2 | 555.6 | 1147.8 | 2385.0 | 2934.0 | 3307.1 | 3476.4 | 3458.0 | 3594.0 | 3743.2 |
| 77.5° | 116.2 | 117.8 | 144.3 | 296.9 | 1151.0 | 1821.0 | 2237.4 | 2393.3 | 2303.7 | 2451.4 | 2650.3 |
| 80° | 71.3 | 74.6 | 94.5 | 134.4 | 301.8 | 552.3 | 935.5 | 1170.9 | 1122.8 | 1260.5 | 1472.8 |
| 82.5° | 43.1 | 44.7 | 58.0 | 82.9 | 121.1 | 134.4 | 175.8 | 238.8 | 293.6 | 353.2 | 462.8 |
| 85° | 19.9 | 21.6 | 28.2 | 38.2 | 49.8 | 51.5 | 49.8 | 46.4 | 53.1 | 61.4 | 71.3 |
| 87.5° | 0.0 | 0.0 | 1.7 | 3.3 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 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-1000-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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CATALOG NUMBER: ISS-AF-1000-LED-E1-T4W-7027-ULG

CANDELA DISTRIBUTION (continued):

| | 50° | 52.5° | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° | 75° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 617.0 | 617.0 | 617.0 | 617.0 | 617.0 | 617.0 | 617.0 | 617.0 | 617.0 | 617.0 | 617.0 |
| 2.5° | 635.2 | 630.3 | 630.3 | 623.6 | 626.9 | 620.3 | 623.6 | 617.0 | 620.3 | 611.9 | 617.0 |
| 5° | 645.2 | 636.9 | 636.9 | 626.9 | 628.5 | 617.0 | 622.0 | 608.7 | 615.2 | 600.3 | 610.4 |
| 7.5° | 650.1 | 635.2 | 641.9 | 623.6 | 631.9 | 611.9 | 622.0 | 600.3 | 613.6 | 590.5 | 607.1 |
| 10° | 656.8 | 635.2 | 646.8 | 626.9 | 636.9 | 613.6 | 626.9 | 600.3 | 617.0 | 588.7 | 603.8 |
| 12.5° | 666.7 | 643.5 | 653.4 | 630.3 | 643.5 | 617.0 | 630.3 | 603.8 | 620.3 | 588.7 | 607.1 |
| 15° | 673.4 | 650.1 | 660.1 | 636.9 | 646.8 | 617.0 | 633.6 | 602.0 | 620.3 | 587.1 | 607.1 |
| 17.5° | 671.8 | 650.1 | 660.1 | 633.6 | 645.2 | 615.2 | 631.9 | 600.3 | 617.0 | 582.1 | 603.8 |
| 20° | 665.0 | 646.8 | 653.4 | 630.3 | 640.2 | 610.4 | 625.3 | 593.8 | 611.9 | 577.3 | 598.7 |
| 22.5° | 656.8 | 638.5 | 646.8 | 625.3 | 635.2 | 605.4 | 618.7 | 590.5 | 608.7 | 573.8 | 593.8 |
| 25° | 651.8 | 636.9 | 641.9 | 620.3 | 633.6 | 607.1 | 620.3 | 588.7 | 608.7 | 573.8 | 597.0 |
| 27.5° | 650.1 | 636.9 | 646.8 | 626.9 | 638.5 | 615.2 | 628.5 | 600.3 | 617.0 | 580.5 | 603.8 |
| 30° | 660.1 | 648.5 | 656.8 | 640.2 | 650.1 | 626.9 | 640.2 | 613.6 | 630.3 | 595.4 | 622.0 |
| 32.5° | 671.8 | 660.1 | 668.4 | 653.4 | 668.4 | 645.2 | 661.7 | 635.2 | 655.1 | 620.3 | 645.2 |
| 35° | 696.5 | 683.3 | 694.9 | 678.3 | 694.9 | 676.6 | 694.9 | 666.7 | 691.7 | 656.8 | 683.3 |
| 37.5° | 761.2 | 724.8 | 736.4 | 718.1 | 734.7 | 711.5 | 743.0 | 714.8 | 743.0 | 709.8 | 746.3 |
| 40° | 864.1 | 799.4 | 811.0 | 772.9 | 797.8 | 762.9 | 801.1 | 779.5 | 817.6 | 776.1 | 822.7 |
| 42.5° | 998.5 | 937.0 | 925.4 | 867.4 | 889.0 | 847.6 | 885.7 | 847.6 | 898.9 | 859.0 | 917.2 |
| 45° | 1121.2 | 1056.5 | 1038.2 | 981.8 | 996.8 | 942.1 | 990.1 | 937.0 | 1005.0 | 958.6 | 1031.6 |
| 47.5° | 1222.3 | 1146.1 | 1131.1 | 1066.5 | 1093.0 | 1041.6 | 1101.2 | 1044.9 | 1127.8 | 1081.4 | 1165.9 |
| 50° | 1315.2 | 1220.7 | 1217.3 | 1147.8 | 1192.5 | 1141.0 | 1225.6 | 1187.5 | 1268.8 | 1222.3 | 1321.9 |
| 52.5° | 1421.4 | 1301.9 | 1318.5 | 1255.5 | 1326.9 | 1283.7 | 1381.5 | 1326.9 | 1433.0 | 1383.2 | 1492.6 |
| 55° | 1534.1 | 1408.1 | 1451.2 | 1413.0 | 1497.7 | 1469.4 | 1552.5 | 1502.7 | 1607.1 | 1557.3 | 1673.5 |
| 57.5° | 1658.5 | 1550.7 | 1627.0 | 1608.8 | 1683.4 | 1648.6 | 1741.5 | 1696.7 | 1801.1 | 1759.7 | 1875.8 |
| 60° | 1821.0 | 1749.8 | 1824.4 | 1822.8 | 1887.4 | 1885.7 | 1945.5 | 1918.9 | 2018.4 | 2000.2 | 2106.3 |
| 62.5° | 2031.7 | 1975.4 | 2055.0 | 2033.3 | 2111.3 | 2098.0 | 2171.0 | 2171.0 | 2242.3 | 2267.2 | 2373.3 |
| 65° | 2315.3 | 2240.7 | 2335.2 | 2302.1 | 2380.0 | 2383.3 | 2429.7 | 2438.0 | 2524.2 | 2552.4 | 2643.7 |
| 67.5° | 2700.0 | 2613.9 | 2688.4 | 2625.5 | 2714.9 | 2710.1 | 2749.8 | 2766.4 | 2778.1 | 2846.0 | 2856.0 |
| 70° | 3254.0 | 3124.7 | 3192.7 | 3106.4 | 3123.0 | 3134.6 | 3060.0 | 3114.7 | 2982.0 | 3089.8 | 2943.8 |
| 72.5° | 3852.8 | 3705.1 | 3587.4 | 3501.1 | 3330.4 | 3305.4 | 3088.2 | 3134.6 | 2852.7 | 2945.5 | 2650.3 |
| 73° | 3884.3 | 3741.6 | 3582.4 | 3492.9 | 3290.5 | 3264.0 | 3031.8 | 3071.7 | 2759.9 | 2847.6 | 2537.5 |
| 75° | 3531.0 | 3569.1 | 3186.0 | 3222.5 | 2870.9 | 2912.3 | 2549.2 | 2595.7 | 2212.4 | 2278.8 | 1879.2 |
| 77.5° | 2380.0 | 2507.7 | 2078.0 | 2239.0 | 1802.8 | 1963.8 | 1471.2 | 1486.1 | 1084.6 | 1013.4 | 688.3 |
| 80° | 1179.3 | 1288.7 | 913.8 | 998.5 | 670.0 | 658.5 | 401.4 | 333.5 | 283.7 | 290.2 | 298.6 |
| 82.5° | 340.0 | 383.0 | 237.2 | 235.5 | 167.5 | 159.2 | 159.2 | 169.2 | 172.5 | 192.3 | 187.4 |
| 85° | 64.7 | 78.0 | 68.0 | 91.2 | 81.3 | 89.7 | 82.9 | 96.2 | 89.7 | 111.1 | 96.2 |
| 87.5° | 1.7 | 0.0 | 1.7 | 5.0 | 5.0 | 11.6 | 8.3 | 13.3 | 13.3 | 23.3 | 21.6 |
| 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: P271610

CATALOG NUMBER: ISS-AF-1000-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 |



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CANDELA DISTRIBUTION (continued):

| | 77.5° | 80° | 85° | 90° | 95° | 100° | 102.5° | 105° | 107.5° | 110° | 112.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|-------|--------|
| 0° | 617.0 | 617.0 | 617.0 | 617.0 | 617.0 | 617.0 | 617.0 | 617.0 | 617.0 | 617.0 | 617.0 |
| 2.5° | 610.4 | 618.7 | 615.2 | 611.9 | 608.7 | 607.1 | 600.3 | 603.8 | 595.4 | 602.0 | 595.4 |
| 5° | 597.0 | 607.1 | 602.0 | 595.4 | 592.2 | 588.7 | 577.3 | 585.4 | 572.2 | 583.8 | 573.8 |
| 7.5° | 582.1 | 598.7 | 593.8 | 587.1 | 580.5 | 577.3 | 554.0 | 572.2 | 552.3 | 568.9 | 552.3 |
| 10° | 577.3 | 595.4 | 588.7 | 580.5 | 573.8 | 570.5 | 542.4 | 563.9 | 542.4 | 560.6 | 539.1 |
| 12.5° | 573.8 | 595.4 | 585.4 | 577.3 | 570.5 | 565.6 | 534.0 | 560.6 | 532.3 | 558.9 | 534.0 |
| 15° | 570.5 | 595.4 | 582.1 | 572.2 | 565.6 | 560.6 | 527.5 | 557.3 | 525.8 | 555.6 | 527.5 |
| 17.5° | 567.2 | 590.5 | 578.8 | 567.2 | 560.6 | 557.3 | 520.7 | 552.3 | 519.1 | 552.3 | 524.1 |
| 20° | 562.2 | 585.4 | 572.2 | 560.6 | 554.0 | 549.0 | 512.6 | 545.7 | 510.9 | 544.0 | 512.6 |
| 22.5° | 555.6 | 580.5 | 568.9 | 557.3 | 550.6 | 542.4 | 502.5 | 537.4 | 500.9 | 534.0 | 504.2 |
| 25° | 557.3 | 583.8 | 568.9 | 557.3 | 547.2 | 539.1 | 496.0 | 534.0 | 492.6 | 525.8 | 492.6 |
| 27.5° | 565.6 | 588.7 | 573.8 | 563.9 | 550.6 | 540.7 | 496.0 | 530.7 | 489.3 | 517.4 | 482.6 |
| 30° | 582.1 | 605.4 | 592.2 | 577.3 | 565.6 | 552.3 | 504.2 | 532.3 | 489.3 | 507.5 | 472.7 |
| 32.5° | 610.4 | 631.9 | 618.7 | 607.1 | 593.8 | 573.8 | 520.7 | 540.7 | 492.6 | 500.9 | 464.4 |
| 35° | 646.8 | 673.4 | 666.7 | 658.5 | 641.9 | 607.1 | 549.0 | 552.3 | 499.2 | 494.2 | 452.7 |
| 37.5° | 706.6 | 743.0 | 741.4 | 739.8 | 721.5 | 658.5 | 580.5 | 575.5 | 505.8 | 489.3 | 437.8 |
| 40° | 784.5 | 827.6 | 839.3 | 850.9 | 812.7 | 719.8 | 617.0 | 598.7 | 509.2 | 479.3 | 414.7 |
| 42.5° | 875.7 | 933.8 | 968.6 | 990.1 | 920.5 | 787.8 | 658.5 | 625.3 | 509.2 | 464.4 | 388.1 |
| 45° | 988.5 | 1056.5 | 1122.8 | 1146.1 | 1039.9 | 860.8 | 701.6 | 646.8 | 502.5 | 441.2 | 353.2 |
| 47.5° | 1126.1 | 1205.7 | 1297.0 | 1308.7 | 1169.2 | 938.7 | 731.4 | 661.7 | 481.0 | 409.6 | 321.8 |
| 50° | 1278.7 | 1374.9 | 1509.2 | 1501.0 | 1306.9 | 1019.9 | 751.3 | 671.8 | 442.9 | 373.2 | 283.7 |
| 52.5° | 1449.5 | 1570.7 | 1761.4 | 1723.2 | 1474.5 | 1121.2 | 769.6 | 685.0 | 396.4 | 330.0 | 245.5 |
| 55° | 1663.5 | 1807.7 | 2046.6 | 1965.3 | 1660.2 | 1232.3 | 796.1 | 686.7 | 335.0 | 278.7 | 217.3 |
| 57.5° | 1894.1 | 2048.2 | 2353.5 | 2205.9 | 1834.2 | 1318.5 | 784.5 | 633.6 | 273.6 | 235.5 | 195.7 |
| 60° | 2171.0 | 2358.4 | 2660.3 | 2429.7 | 1980.2 | 1348.4 | 703.2 | 522.5 | 233.9 | 212.3 | 185.8 |
| 62.5° | 2481.2 | 2666.9 | 2912.3 | 2585.6 | 2063.1 | 1298.6 | 522.5 | 361.6 | 200.7 | 189.0 | 170.9 |
| 65° | 2811.2 | 2987.0 | 3033.5 | 2599.0 | 2008.5 | 1079.8 | 323.4 | 237.2 | 174.1 | 169.2 | 157.6 |
| 67.5° | 3114.7 | 3131.3 | 2919.0 | 2383.3 | 1743.1 | 753.0 | 220.5 | 189.0 | 160.9 | 159.2 | 152.6 |
| 70° | 3192.7 | 2905.7 | 2426.4 | 1855.9 | 1258.9 | 447.9 | 179.1 | 164.2 | 154.3 | 154.3 | 149.3 |
| 72.5° | 2666.9 | 2212.4 | 1622.0 | 1124.5 | 686.7 | 238.8 | 152.6 | 149.3 | 146.0 | 146.0 | 142.7 |
| 73° | 2501.2 | 2038.3 | 1452.9 | 981.8 | 580.5 | 214.0 | 149.3 | 146.0 | 144.3 | 142.7 | 140.9 |
| 75° | 1661.9 | 1280.4 | 824.3 | 497.5 | 270.3 | 154.3 | 132.7 | 132.7 | 131.1 | 132.7 | 131.1 |
| 77.5° | 640.2 | 482.6 | 318.4 | 214.0 | 154.3 | 121.1 | 112.7 | 114.4 | 112.7 | 116.2 | 114.4 |
| 80° | 282.0 | 278.7 | 210.7 | 150.9 | 112.7 | 91.2 | 91.2 | 91.2 | 92.9 | 94.5 | 94.5 |
| 82.5° | 192.3 | 162.5 | 124.3 | 92.9 | 68.0 | 66.4 | 68.0 | 68.0 | 69.7 | 71.3 | 69.7 |
| 85° | 106.1 | 89.7 | 66.4 | 41.4 | 36.5 | 44.7 | 44.7 | 44.7 | 43.1 | 43.1 | 41.4 |
| 87.5° | 33.1 | 24.8 | 18.2 | 5.0 | 8.3 | 8.3 | 11.6 | 9.9 | 9.9 | 11.6 | 11.6 |
| 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 |



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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° | |
|--------|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|--------|
| 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: P271610
 NUMBER: ISS-AF-1000-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° |
|-------|--------|-------|--------|-------|--------|-------|-------|-------|-------|-------|--------|-------|
| 617.0 | 617.0 | 617.0 | 617.0 | 617.0 | 617.0 | 617.0 | 617.0 | 617.0 | 617.0 | 617.0 | 110° | 111.9 |
| 602.0 | 597.0 | 602.0 | 593.8 | 600.3 | 593.8 | 598.7 | 598.7 | 597.0 | 597.0 | 597.0 | 112.5° | 133.5 |
| 582.1 | 573.8 | 582.1 | 577.3 | 582.1 | 575.5 | 580.5 | 582.1 | 583.8 | 588.7 | 587.1 | 115° | 155.0 |
| 567.2 | 550.6 | 568.9 | 552.3 | 567.2 | 552.3 | 565.6 | 567.2 | 572.2 | 578.8 | 583.8 | 117.5° | 177.7 |
| 560.6 | 539.1 | 560.6 | 540.7 | 558.9 | 542.4 | 558.9 | 560.6 | 565.6 | 573.8 | 582.1 | 120° | 200.2 |
| 557.3 | 534.0 | 557.3 | 537.4 | 557.3 | 540.7 | 557.3 | 562.2 | 565.6 | 572.2 | 582.1 | 122.5° | 223.8 |
| 554.0 | 530.7 | 557.3 | 535.7 | 557.3 | 540.7 | 558.9 | 562.2 | 567.2 | 573.8 | 582.1 | 125° | 249.3 |
| 552.3 | 525.8 | 554.0 | 534.0 | 554.0 | 537.4 | 557.3 | 557.3 | 563.9 | 572.2 | 577.3 | 127.5° | 271.8 |
| 545.7 | 520.7 | 545.7 | 525.8 | 545.7 | 530.7 | 547.2 | 547.2 | 554.0 | 557.3 | 565.6 | 130° | 295.5 |
| 535.7 | 509.2 | 532.3 | 514.1 | 532.3 | 517.4 | 530.7 | 530.7 | 535.7 | 540.7 | 545.7 | 132.5° | 319.0 |
| 520.7 | 496.0 | 515.8 | 499.2 | 512.6 | 499.2 | 509.2 | 507.5 | 510.9 | 514.1 | 517.4 | 135° | 341.5 |
| 504.2 | 479.3 | 496.0 | 477.7 | 485.9 | 472.7 | 479.3 | 476.0 | 477.7 | 479.3 | 481.0 | 137.5° | 362.2 |
| 485.9 | 461.1 | 469.4 | 452.7 | 454.5 | 441.2 | 444.5 | 439.5 | 437.8 | 436.1 | 432.8 | 140° | 382.8 |
| 466.0 | 439.5 | 439.5 | 422.9 | 419.6 | 408.0 | 408.0 | 401.4 | 396.4 | 389.8 | 383.0 | 142.5° | 404.3 |
| 441.2 | 417.9 | 406.3 | 393.1 | 386.5 | 374.9 | 373.2 | 364.9 | 353.2 | 341.6 | 335.0 | 145° | 425.0 |
| 416.3 | 389.8 | 373.2 | 360.0 | 353.2 | 344.9 | 343.3 | 336.7 | 323.4 | 310.2 | 300.2 | 147.5° | 443.7 |
| 383.0 | 356.5 | 338.3 | 333.5 | 328.4 | 321.8 | 323.4 | 315.1 | 301.8 | 286.9 | 278.7 | 150° | 460.3 |
| 350.0 | 326.7 | 311.8 | 310.2 | 306.8 | 305.2 | 306.8 | 300.2 | 285.2 | 272.0 | 262.0 | 152.5° | 477.0 |
| 321.8 | 298.6 | 283.7 | 282.0 | 280.3 | 286.9 | 288.5 | 286.9 | 270.3 | 257.1 | 243.8 | 155° | 493.7 |
| 293.6 | 265.4 | 255.4 | 252.2 | 253.7 | 263.7 | 267.1 | 272.0 | 257.1 | 242.1 | 223.9 | 157.5° | 507.5 |
| 260.4 | 233.9 | 230.5 | 227.2 | 228.9 | 237.2 | 245.5 | 255.4 | 242.1 | 220.5 | 195.7 | 160° | 520.2 |
| 230.5 | 207.3 | 208.9 | 205.6 | 208.9 | 215.6 | 222.2 | 238.8 | 222.2 | 200.7 | 189.0 | 162.5° | 530.0 |
| 207.3 | 189.0 | 192.3 | 189.0 | 192.3 | 200.7 | 205.6 | 219.0 | 219.0 | 214.0 | 203.9 | 165° | 539.8 |
| 190.7 | 177.4 | 180.8 | 177.4 | 182.4 | 189.0 | 194.0 | 222.2 | 238.8 | 225.6 | 205.6 | 167.5° | 547.7 |
| 180.8 | 169.2 | 170.9 | 167.5 | 170.9 | 180.8 | 190.7 | 223.9 | 250.4 | 223.9 | 208.9 | 170° | 553.5 |
| 165.8 | 155.9 | 154.3 | 154.3 | 157.6 | 174.1 | 179.1 | 208.9 | 247.1 | 222.2 | 210.7 | 172.5° | 556.5 |
| 155.9 | 147.6 | 146.0 | 144.3 | 147.6 | 159.2 | 164.2 | 194.0 | 238.8 | 210.7 | 190.7 | 175° | 559.5 |
| 150.9 | 144.3 | 140.9 | 137.7 | 140.9 | 150.9 | 155.9 | 182.4 | 225.6 | 200.7 | 179.1 | 177.5° | 563.3 |
| 146.0 | 139.2 | 137.7 | 134.4 | 136.0 | 142.7 | 149.3 | 167.5 | 214.0 | 189.0 | 167.5 | 180° | 565.3 |
| 139.2 | 132.7 | 131.1 | 126.0 | 127.6 | 134.4 | 137.7 | 157.6 | 199.1 | 177.4 | 155.9 | | |
| 137.7 | 131.1 | 129.4 | 124.3 | 126.0 | 131.1 | 134.4 | 154.3 | 195.7 | 175.8 | 154.3 | | |
| 129.4 | 122.7 | 121.1 | 117.8 | 119.5 | 119.5 | 122.7 | 140.9 | 185.8 | 165.8 | 144.3 | | |
| 114.4 | 109.4 | 107.8 | 104.6 | 102.9 | 101.1 | 106.1 | 124.3 | 169.2 | 149.3 | 116.2 | | |
| 94.5 | 89.7 | 87.9 | 81.3 | 81.3 | 81.3 | 87.9 | 106.1 | 126.0 | 107.8 | 89.7 | | |
| 69.7 | 66.4 | 66.4 | 61.4 | 59.6 | 58.0 | 63.0 | 73.0 | 99.5 | 84.6 | 69.7 | | |
| 41.4 | 39.9 | 41.4 | 36.5 | 38.2 | 36.5 | 41.4 | 51.5 | 54.8 | 43.1 | 33.1 | | |
| 9.9 | 11.6 | 11.6 | 11.6 | 9.9 | 9.9 | 8.3 | 6.6 | 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 | | |

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 ISS-AF-1000-LED-E1-T4W-7027-ULG

REPORT NUMBER: P271610
 CATALOG NUMBER: ISS-AF-10

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° | 617.0 | 617.0 |
| 133.5 | 133.5 | 133.5 | 133.5 | 132.9 | 132.5 | 131.5 | 129.5 | 126.6 | 123.7 | 2.5° | 595.4 | 593.8 |
| 155.0 | 155.0 | 155.0 | 155.0 | 154.6 | 154.1 | 153.1 | 151.2 | 148.2 | 146.2 | 5° | 587.1 | 587.1 |
| 177.4 | 177.1 | 176.9 | 176.7 | 176.4 | 176.2 | 175.7 | 173.7 | 170.8 | 168.8 | 7.5° | 583.8 | 583.8 |
| 200.2 | 200.2 | 200.2 | 200.2 | 199.7 | 199.2 | 198.3 | 197.3 | 194.3 | 192.3 | 10° | 585.4 | 585.4 |
| 223.8 | 223.8 | 223.8 | 223.8 | 223.6 | 223.3 | 222.8 | 221.8 | 218.8 | 216.9 | 12.5° | 585.4 | 588.7 |
| 249.1 | 248.8 | 248.5 | 248.3 | 248.1 | 247.8 | 247.3 | 246.3 | 243.4 | 242.5 | 15° | 590.5 | 588.7 |
| 272.1 | 272.4 | 272.6 | 272.8 | 272.4 | 271.8 | 270.9 | 269.0 | 267.0 | 265.0 | 17.5° | 585.4 | 585.4 |
| 295.5 | 295.5 | 295.5 | 295.5 | 294.9 | 294.5 | 293.5 | 292.5 | 288.5 | 287.5 | 20° | 572.2 | 575.5 |
| 319.0 | 319.0 | 319.0 | 319.0 | 318.2 | 317.6 | 316.0 | 315.0 | 312.1 | 311.2 | 22.5° | 554.0 | 554.0 |
| 341.5 | 341.5 | 341.5 | 341.5 | 340.7 | 340.1 | 338.6 | 338.6 | 334.7 | 332.7 | 25° | 524.1 | 525.8 |
| 362.2 | 362.2 | 362.2 | 362.2 | 361.7 | 361.2 | 360.2 | 360.2 | 357.3 | 356.3 | 27.5° | 484.3 | 487.6 |
| 382.8 | 382.8 | 382.8 | 382.8 | 382.6 | 382.3 | 381.8 | 380.8 | 378.8 | 377.8 | 30° | 434.5 | 437.8 |
| 404.3 | 404.3 | 404.3 | 404.3 | 403.9 | 403.4 | 402.4 | 402.4 | 399.5 | 400.5 | 32.5° | 378.2 | 381.5 |
| 425.2 | 425.4 | 425.8 | 426.0 | 425.4 | 425.0 | 424.0 | 423.0 | 420.0 | 420.0 | 35° | 333.5 | 335.0 |
| 444.1 | 444.6 | 445.1 | 445.6 | 445.4 | 445.1 | 444.6 | 443.7 | 439.7 | 438.7 | 37.5° | 303.4 | 303.4 |
| 460.8 | 461.3 | 461.8 | 462.3 | 462.1 | 461.8 | 461.3 | 460.3 | 456.4 | 455.4 | 40° | 278.7 | 278.7 |
| 477.2 | 477.4 | 477.8 | 478.0 | 477.8 | 477.4 | 477.0 | 476.0 | 473.0 | 474.0 | 42.5° | 255.4 | 253.7 |
| 493.9 | 494.2 | 494.4 | 494.7 | 494.4 | 494.2 | 493.7 | 493.7 | 491.7 | 492.7 | 45° | 232.2 | 228.9 |
| 507.9 | 508.4 | 508.9 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 506.5 | 507.5 | 47.5° | 208.9 | 207.3 |
| 520.7 | 521.2 | 521.6 | 522.2 | 522.2 | 522.2 | 522.2 | 522.2 | 519.2 | 519.2 | 50° | 189.0 | 189.0 |
| 530.4 | 531.0 | 531.4 | 532.0 | 531.8 | 531.4 | 531.0 | 531.0 | 528.0 | 529.0 | 52.5° | 192.3 | 192.3 |
| 540.6 | 541.3 | 541.9 | 542.8 | 542.6 | 542.3 | 541.8 | 541.8 | 537.8 | 538.8 | 55° | 207.3 | 207.3 |
| 548.1 | 548.7 | 549.1 | 549.7 | 549.7 | 549.7 | 549.7 | 550.6 | 547.7 | 548.7 | 57.5° | 208.9 | 207.3 |
| 553.7 | 554.1 | 554.3 | 554.5 | 554.7 | 555.1 | 555.5 | 556.5 | 554.5 | 555.5 | 60° | 227.2 | 225.6 |
| 556.9 | 557.5 | 557.9 | 558.5 | 558.3 | 557.9 | 557.5 | 558.5 | 556.5 | 558.5 | 62.5° | 237.2 | 242.1 |
| 560.3 | 560.9 | 561.6 | 562.4 | 562.2 | 561.9 | 561.4 | 561.4 | 558.5 | 559.5 | 65° | 207.3 | 200.7 |
| 564.1 | 564.9 | 565.6 | 566.3 | 566.3 | 566.3 | 566.3 | 567.3 | 563.3 | 564.3 | 67.5° | 197.4 | 187.4 |
| 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 70° | 177.4 | 162.5 |
| | | | | | | | | | | 72.5° | 157.6 | 149.3 |
| | | | | | | | | | | 73° | 152.6 | 146.0 |
| | | | | | | | | | | 75° | 136.0 | 132.7 |
| | | | | | | | | | | 77.5° | 102.9 | 101.1 |
| | | | | | | | | | | 80° | 86.2 | 84.6 |
| | | | | | | | | | | 82.5° | 58.0 | 54.8 |
| | | | | | | | | | | 85° | 24.8 | 23.3 |
| | | | | | | | | | | 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 |



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CATALOG NUMBER: ISS-AF-1000-LED-E1

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

