

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: P228466

Luminaire Tested: **ISS-AF-1000-LED-E1-SLL-8030-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P228466
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29764)-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-SLL-8030-ULG
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR LEFT, WITH
UPLIGHT GLOW
Light Source: (16) 3000K CCT, 80 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5361.2 lumens
Efficiency: N/A
Efficacy: 75.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U5 - G1

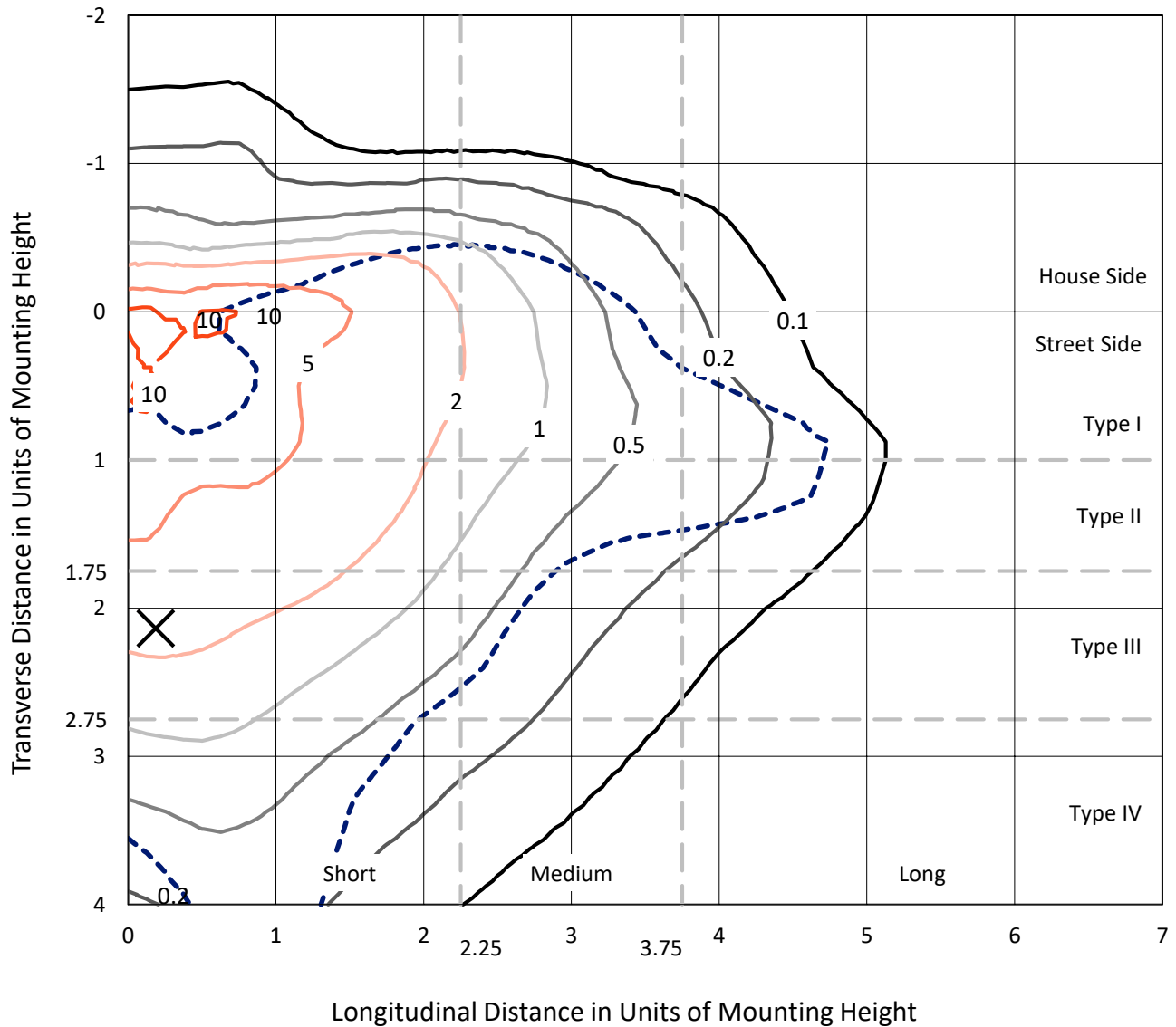
Input Watts (W): 71.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

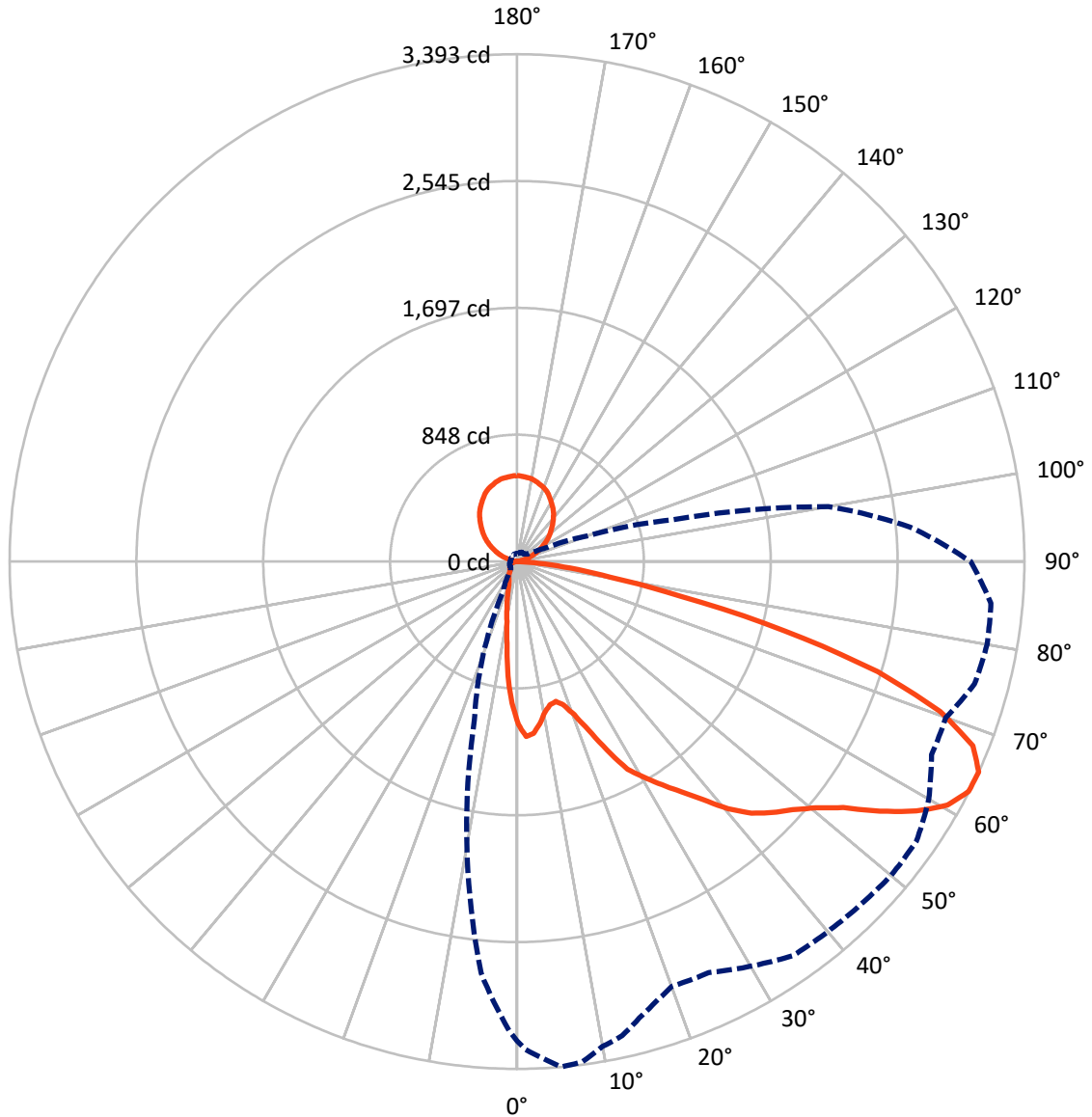
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.7 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 5-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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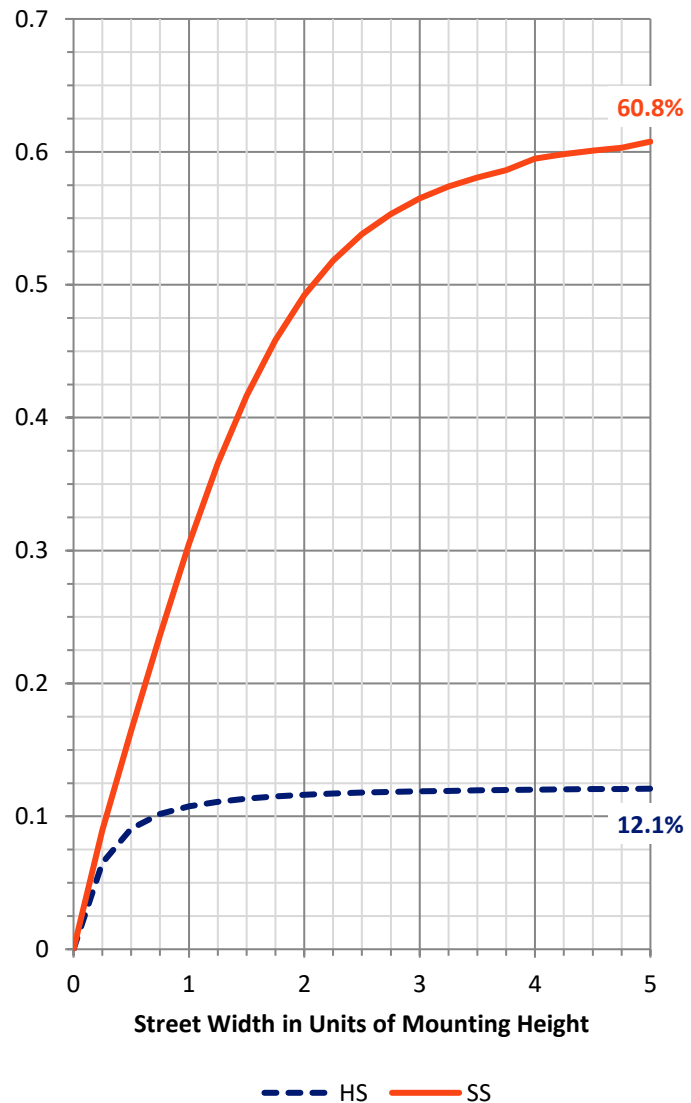
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 654.3 | 713.1 | 1367.4 |
| | % Fixture | 12.2 | 13.3 | 25.5 |
| Street Side | Lumens | 3280.7 | 713.1 | 3993.8 |
| | % Fixture | 61.2 | 13.3 | 74.5 |
| Total | Lumens | 3935.0 | 1426.2 | 5361.2 |
| | % Fixture | 73.4 | 26.6 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 83.6 | 1.6 |
| 10°-20° | 172.3 | 3.2 |
| 20°-30° | 250.5 | 4.7 |
| 30°-40° | 370.4 | 6.9 |
| 40°-50° | 539.8 | 10.1 |
| 50°-60° | 809.1 | 15.1 |
| 60°-70° | 1008.3 | 18.8 |
| 70°-80° | 590.6 | 11.0 |
| 80°-90° | 110.4 | 2.1 |
| 90°-100° | 4.7 | 0.1 |
| 100°-110° | 69.0 | 1.3 |
| 110°-120° | 153.0 | 2.9 |
| 120°-130° | 223.9 | 4.2 |
| 130°-140° | 265.6 | 5.0 |
| 140°-150° | 269.3 | 5.0 |
| 150°-160° | 231.1 | 4.3 |
| 160°-170° | 155.1 | 2.9 |
| 170°-180° | 54.3 | 1.0 |
| 0°-90° | 3935.0 | 73.4 |
| 0°-180° | 5361.2 | 100.0 |



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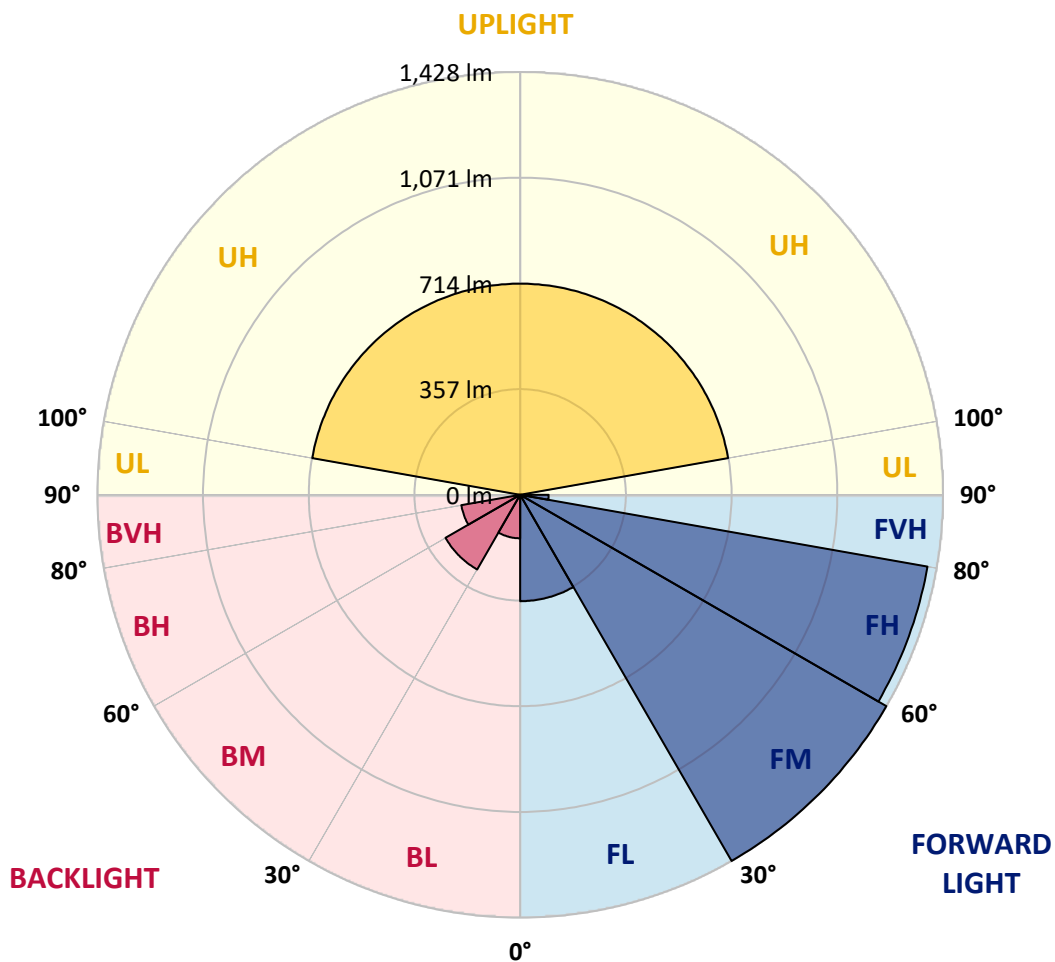
CATALOG NUMBER: ISS-AF-1000-LED-E1-SLL-8030-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|---------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 359.5 | 6.7 | | | |
| FM | (30°-60°) | 1428.1 | 26.6 | | | |
| FH | (60°-80°) | 1396.9 | 26.1 | | | G1/1800 |
| FVH | (80°-90°) | 96.2 | 1.8 | | | G1/100 |
| BL | (0°-30°) | 146.9 | 2.7 | B1/500 | | |
| BM | (30°-60°) | 291.2 | 5.4 | B1/1000 | | |
| BH | (60°-80°) | 202.0 | 3.8 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 14.2 | 0.3 | | | G1/100 |
| UL | (90°-100°) | 4.7 | 0.1 | | U1/10 | |
| UH | (100°-180°) | 713.1 | 13.3 | | U4/1000 | |

BUG Rating: B1-U5-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 25° | 35° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 |
| 2.5° | 1156.0 | 1152.8 | 1171.5 | 1174.7 | 1187.1 | 1187.1 | 1201.1 | 1213.6 | 1218.3 | 1229.2 | 1257.2 |
| 5° | 1118.6 | 1127.9 | 1154.4 | 1180.9 | 1199.6 | 1218.3 | 1238.5 | 1263.5 | 1283.7 | 1318.0 | 1389.6 |
| 7.5° | 1036.0 | 1050.0 | 1095.2 | 1121.7 | 1151.3 | 1184.0 | 1208.9 | 1238.5 | 1269.7 | 1327.3 | 1455.1 |
| 10° | 955.0 | 965.9 | 1023.5 | 1056.3 | 1098.3 | 1132.6 | 1168.4 | 1201.1 | 1235.4 | 1307.1 | 1455.1 |
| 12.5° | 903.6 | 917.6 | 983.0 | 1014.2 | 1062.5 | 1098.3 | 1141.9 | 1180.9 | 1221.4 | 1297.7 | 1441.1 |
| 15° | 892.7 | 908.3 | 970.6 | 1009.5 | 1051.6 | 1085.9 | 1124.8 | 1165.3 | 1205.8 | 1280.6 | 1408.3 |
| 17.5° | 922.3 | 941.0 | 1008.0 | 1051.6 | 1084.3 | 1123.2 | 1151.3 | 1190.2 | 1216.7 | 1275.9 | 1336.7 |
| 20° | 992.4 | 1014.2 | 1093.6 | 1135.7 | 1162.2 | 1187.1 | 1208.9 | 1232.3 | 1243.2 | 1257.2 | 1246.3 |
| 22.5° | 1104.5 | 1131.0 | 1221.4 | 1269.7 | 1288.4 | 1307.1 | 1308.6 | 1311.7 | 1304.0 | 1266.6 | 1182.4 |
| 25° | 1265.0 | 1291.5 | 1394.3 | 1441.1 | 1441.1 | 1441.1 | 1423.9 | 1411.5 | 1375.6 | 1305.5 | 1165.3 |
| 27.5° | 1414.6 | 1448.8 | 1571.9 | 1601.5 | 1592.2 | 1578.1 | 1545.4 | 1514.3 | 1462.9 | 1346.0 | 1163.7 |
| 30° | 1526.7 | 1561.0 | 1674.7 | 1698.1 | 1674.7 | 1640.5 | 1589.1 | 1543.9 | 1483.1 | 1366.3 | 1174.7 |
| 32.5° | 1629.6 | 1670.1 | 1779.1 | 1782.2 | 1740.2 | 1701.2 | 1643.6 | 1592.2 | 1528.3 | 1403.7 | 1207.4 |
| 35° | 1738.6 | 1779.1 | 1889.7 | 1867.9 | 1807.2 | 1754.2 | 1695.0 | 1649.8 | 1585.9 | 1452.0 | 1260.3 |
| 37.5° | 1889.7 | 1925.6 | 2019.0 | 1967.6 | 1889.7 | 1821.2 | 1757.3 | 1698.1 | 1634.2 | 1517.4 | 1349.1 |
| 40° | 2036.2 | 2087.6 | 2173.3 | 2090.7 | 1995.7 | 1903.8 | 1833.6 | 1771.3 | 1701.2 | 1606.2 | 1462.9 |
| 42.5° | 2173.3 | 2221.6 | 2301.0 | 2195.1 | 2084.5 | 1992.6 | 1919.3 | 1852.3 | 1785.3 | 1707.5 | 1600.0 |
| 45° | 2277.6 | 2327.5 | 2394.5 | 2282.3 | 2156.1 | 2061.1 | 1981.6 | 1922.4 | 1863.2 | 1810.3 | 1772.9 |
| 47.5° | 2378.9 | 2428.8 | 2480.2 | 2358.7 | 2234.0 | 2137.4 | 2044.0 | 1989.4 | 1942.7 | 1914.7 | 1959.8 |
| 50° | 2509.8 | 2544.0 | 2587.7 | 2456.8 | 2324.4 | 2213.8 | 2120.3 | 2078.2 | 2034.6 | 2044.0 | 2195.1 |
| 52.5° | 2687.4 | 2717.0 | 2732.6 | 2604.8 | 2456.8 | 2330.6 | 2227.8 | 2170.2 | 2134.3 | 2188.8 | 2444.3 |
| 55° | 2938.2 | 2980.3 | 2946.0 | 2819.8 | 2632.8 | 2489.5 | 2363.3 | 2294.8 | 2273.0 | 2346.2 | 2693.6 |
| 57.5° | 3154.7 | 3173.4 | 3148.5 | 3023.9 | 2832.3 | 2671.8 | 2537.8 | 2466.2 | 2441.2 | 2537.8 | 2921.1 |
| 60° | 3249.8 | 3273.1 | 3307.4 | 3199.9 | 3020.8 | 2861.9 | 2746.6 | 2676.5 | 2634.4 | 2746.6 | 3103.3 |
| 62.5° | 3265.4 | 3304.3 | 3388.4 | 3333.9 | 3192.1 | 3073.7 | 2969.4 | 2872.8 | 2840.0 | 2925.7 | 3223.3 |
| 65° | 3204.6 | 3263.8 | 3393.1 | 3372.8 | 3293.4 | 3248.2 | 3161.0 | 3086.2 | 3023.9 | 3033.2 | 3217.1 |
| 67.5° | 3067.5 | 3136.0 | 3287.2 | 3277.8 | 3287.2 | 3287.2 | 3210.8 | 3148.5 | 3067.5 | 2952.2 | 2980.3 |
| 70° | 2737.2 | 2827.6 | 3002.1 | 3047.2 | 3126.7 | 3126.7 | 3059.7 | 2964.7 | 2871.2 | 2634.4 | 2491.1 |
| 72.5° | 2193.5 | 2254.3 | 2522.2 | 2741.9 | 2843.2 | 2802.7 | 2737.2 | 2578.3 | 2372.7 | 2112.5 | 1917.8 |
| 75° | 1484.7 | 1520.5 | 1849.2 | 2251.2 | 2435.0 | 2400.7 | 2293.2 | 2095.4 | 1883.5 | 1593.7 | 1347.6 |
| 77.5° | 827.2 | 874.0 | 1120.1 | 1434.8 | 1682.5 | 1677.9 | 1663.8 | 1537.6 | 1369.4 | 1129.5 | 1001.7 |
| 80° | 486.1 | 501.6 | 630.9 | 860.0 | 1073.4 | 1022.0 | 986.1 | 886.4 | 800.8 | 691.7 | 789.9 |
| 82.5° | 297.6 | 282.0 | 358.3 | 523.5 | 634.1 | 612.3 | 551.5 | 514.1 | 473.6 | 444.0 | 525.0 |
| 85° | 81.0 | 73.2 | 146.4 | 219.7 | 269.5 | 291.3 | 291.3 | 288.2 | 258.6 | 194.7 | 233.7 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 | 2.0 | 2.0 | 2.0 | 2.0 | 2.2 | 2.5 | 3.0 | 4.0 |
| 100° | 8.0 | 8.0 | 8.0 | 8.5 | 9.0 | 9.5 | 10.0 | 11.0 | 12.0 | 14.0 | 22.0 |
| 102.5° | 28.0 | 28.0 | 28.0 | 29.0 | 30.0 | 31.0 | 32.0 | 33.5 | 35.0 | 38.0 | 45.0 |
| 105° | 54.0 | 54.0 | 54.0 | 54.5 | 55.0 | 55.5 | 56.0 | 57.2 | 58.5 | 61.0 | 66.0 |
| 107.5° | 78.0 | 77.8 | 77.0 | 77.8 | 78.5 | 79.2 | 80.0 | 81.0 | 82.0 | 84.0 | 88.0 |
| 110° | 101.0 | 101.2 | 102.0 | 102.2 | 102.5 | 102.8 | 103.0 | 103.8 | 104.5 | 106.0 | 110.0 |



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CATALOG NUMBER: ISS-AF-1000-LED-E1-SLL-8030-ULG

CANDELA DISTRIBUTION (continued):

| | 0° | 1° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 25° | 35° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 124.0 | 124.0 | 124.0 | 124.5 | 125.0 | 125.5 | 126.0 | 126.8 | 127.5 | 129.0 | 132.0 |
| 115° | 146.0 | 146.2 | 147.0 | 147.5 | 148.0 | 148.5 | 149.0 | 149.5 | 150.0 | 151.0 | 154.0 |
| 117.5° | 169.0 | 169.2 | 170.0 | 170.5 | 171.0 | 171.5 | 172.0 | 172.5 | 173.0 | 174.0 | 177.0 |
| 120° | 193.0 | 193.4 | 195.0 | 195.2 | 195.5 | 195.8 | 196.0 | 196.5 | 197.0 | 198.0 | 201.0 |
| 122.5° | 219.0 | 219.2 | 220.0 | 220.2 | 220.5 | 220.8 | 221.0 | 221.5 | 222.0 | 223.0 | 226.0 |
| 125° | 244.0 | 244.4 | 246.0 | 246.2 | 246.5 | 246.8 | 247.0 | 247.2 | 247.5 | 248.0 | 251.0 |
| 127.5° | 267.0 | 267.4 | 269.0 | 269.2 | 269.5 | 269.8 | 270.0 | 270.5 | 271.0 | 272.0 | 274.0 |
| 130° | 290.0 | 290.4 | 292.0 | 292.2 | 292.5 | 292.8 | 293.0 | 293.2 | 293.5 | 294.0 | 298.0 |
| 132.5° | 313.0 | 313.2 | 314.0 | 314.8 | 315.5 | 316.2 | 317.0 | 317.2 | 317.5 | 318.0 | 321.0 |
| 135° | 336.0 | 336.2 | 337.0 | 337.5 | 338.0 | 338.5 | 339.0 | 339.5 | 340.0 | 341.0 | 345.0 |
| 137.5° | 359.0 | 359.2 | 360.0 | 360.8 | 361.5 | 362.2 | 363.0 | 363.2 | 363.5 | 364.0 | 367.0 |
| 140° | 382.0 | 382.2 | 383.0 | 383.5 | 384.0 | 384.5 | 385.0 | 385.2 | 385.5 | 386.0 | 388.0 |
| 142.5° | 404.0 | 404.4 | 406.0 | 406.5 | 407.0 | 407.5 | 408.0 | 407.8 | 407.5 | 407.0 | 410.0 |
| 145° | 425.0 | 425.2 | 426.0 | 426.5 | 427.0 | 427.5 | 428.0 | 428.0 | 428.0 | 428.0 | 431.0 |
| 147.5° | 444.0 | 444.0 | 444.0 | 444.8 | 445.5 | 446.2 | 447.0 | 447.2 | 447.5 | 448.0 | 452.0 |
| 150° | 461.0 | 461.2 | 462.0 | 462.5 | 463.0 | 463.5 | 464.0 | 464.2 | 464.5 | 465.0 | 469.0 |
| 152.5° | 479.0 | 479.2 | 480.0 | 480.8 | 481.5 | 482.2 | 483.0 | 482.8 | 482.5 | 482.0 | 485.0 |
| 155° | 499.0 | 499.2 | 500.0 | 500.5 | 501.0 | 501.5 | 502.0 | 501.8 | 501.5 | 501.0 | 503.0 |
| 157.5° | 513.0 | 513.4 | 515.0 | 515.5 | 516.0 | 516.5 | 517.0 | 516.8 | 516.5 | 516.0 | 519.0 |
| 160° | 525.0 | 525.4 | 527.0 | 527.5 | 528.0 | 528.5 | 529.0 | 529.0 | 529.0 | 529.0 | 532.0 |
| 162.5° | 535.0 | 535.2 | 536.0 | 536.8 | 537.5 | 538.2 | 539.0 | 538.8 | 538.5 | 538.0 | 541.0 |
| 165° | 546.0 | 546.2 | 547.0 | 547.5 | 548.0 | 548.5 | 549.0 | 548.8 | 548.5 | 548.0 | 552.0 |
| 167.5° | 555.0 | 555.2 | 556.0 | 556.8 | 557.5 | 558.2 | 559.0 | 558.8 | 558.5 | 558.0 | 561.0 |
| 170° | 562.0 | 562.2 | 563.0 | 563.8 | 564.5 | 565.2 | 566.0 | 565.8 | 565.5 | 565.0 | 567.0 |
| 172.5° | 565.0 | 565.2 | 566.0 | 566.8 | 567.5 | 568.2 | 569.0 | 568.5 | 568.0 | 567.0 | 569.0 |
| 175° | 567.0 | 567.4 | 569.0 | 569.2 | 569.5 | 569.8 | 570.0 | 569.8 | 569.5 | 569.0 | 572.0 |
| 177.5° | 572.0 | 572.2 | 573.0 | 573.5 | 574.0 | 574.5 | 575.0 | 574.8 | 574.5 | 574.0 | 578.0 |
| 180° | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 |



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CATALOG NUMBER: ISS-AF-1000-LED-E1-SLL-8030-ULG

CANDELA DISTRIBUTION (continued):

| | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 |
| 2.5° | 1268.1 | 1269.7 | 1265.0 | 1275.9 | 1263.5 | 1257.2 | 1238.5 | 1238.5 | 1222.9 | 1210.5 | 1196.5 |
| 5° | 1416.1 | 1425.5 | 1417.7 | 1419.2 | 1394.3 | 1369.4 | 1332.0 | 1310.2 | 1271.2 | 1229.2 | 1185.6 |
| 7.5° | 1515.8 | 1531.4 | 1525.2 | 1498.7 | 1459.7 | 1406.8 | 1344.5 | 1285.3 | 1221.4 | 1152.8 | 1089.0 |
| 10° | 1542.3 | 1559.5 | 1545.4 | 1495.6 | 1431.7 | 1356.9 | 1282.1 | 1202.7 | 1124.8 | 1051.6 | 983.0 |
| 12.5° | 1504.9 | 1517.4 | 1487.8 | 1433.3 | 1370.9 | 1296.2 | 1218.3 | 1149.7 | 1057.8 | 979.9 | 900.5 |
| 15° | 1409.9 | 1402.1 | 1399.0 | 1360.0 | 1316.4 | 1255.7 | 1182.4 | 1112.3 | 1026.7 | 947.2 | 863.1 |
| 17.5° | 1307.1 | 1297.7 | 1300.8 | 1285.3 | 1279.0 | 1251.0 | 1196.5 | 1137.3 | 1060.9 | 964.3 | 874.0 |
| 20° | 1216.7 | 1207.4 | 1212.0 | 1219.8 | 1243.2 | 1244.8 | 1235.4 | 1196.5 | 1140.4 | 1039.1 | 928.5 |
| 22.5° | 1138.8 | 1140.4 | 1156.0 | 1177.8 | 1216.7 | 1266.6 | 1305.5 | 1313.3 | 1274.4 | 1156.0 | 1017.3 |
| 25° | 1115.5 | 1107.7 | 1124.8 | 1160.6 | 1226.1 | 1322.7 | 1409.9 | 1453.5 | 1431.7 | 1313.3 | 1143.5 |
| 27.5° | 1107.7 | 1096.8 | 1115.5 | 1162.2 | 1266.6 | 1402.1 | 1526.7 | 1592.2 | 1600.0 | 1478.4 | 1279.0 |
| 30° | 1107.7 | 1103.0 | 1121.7 | 1182.4 | 1293.1 | 1428.6 | 1567.2 | 1665.4 | 1696.5 | 1595.3 | 1397.4 |
| 32.5° | 1121.7 | 1124.8 | 1157.5 | 1235.4 | 1349.1 | 1487.8 | 1631.1 | 1737.1 | 1793.1 | 1716.8 | 1492.5 |
| 35° | 1152.8 | 1159.1 | 1205.8 | 1296.2 | 1419.2 | 1559.5 | 1690.3 | 1797.8 | 1888.2 | 1847.7 | 1581.3 |
| 37.5° | 1219.8 | 1229.2 | 1286.8 | 1378.7 | 1490.9 | 1617.1 | 1744.8 | 1860.1 | 1991.0 | 1973.9 | 1674.7 |
| 40° | 1338.2 | 1338.2 | 1395.9 | 1475.3 | 1567.2 | 1663.8 | 1790.0 | 1925.6 | 2086.0 | 2109.4 | 1790.0 |
| 42.5° | 1487.8 | 1481.6 | 1518.9 | 1576.6 | 1640.5 | 1721.5 | 1835.2 | 1986.3 | 2174.8 | 2226.2 | 1877.3 |
| 45° | 1693.4 | 1662.3 | 1682.5 | 1696.5 | 1727.7 | 1777.6 | 1878.8 | 2044.0 | 2246.5 | 2313.5 | 1942.7 |
| 47.5° | 1934.9 | 1891.3 | 1874.2 | 1847.7 | 1836.8 | 1855.5 | 1942.7 | 2089.1 | 2315.0 | 2388.3 | 2048.6 |
| 50° | 2201.3 | 2159.2 | 2114.1 | 2042.4 | 1980.1 | 1961.4 | 2014.4 | 2149.9 | 2388.3 | 2481.7 | 2165.5 |
| 52.5° | 2478.6 | 2449.0 | 2389.8 | 2277.6 | 2159.2 | 2092.3 | 2117.2 | 2251.2 | 2505.1 | 2626.6 | 2304.1 |
| 55° | 2732.6 | 2741.9 | 2670.2 | 2539.4 | 2369.6 | 2266.7 | 2296.3 | 2430.3 | 2717.0 | 2860.3 | 2536.3 |
| 57.5° | 3005.2 | 2980.3 | 2924.2 | 2788.6 | 2603.2 | 2492.6 | 2505.1 | 2667.1 | 2953.8 | 3062.8 | 2766.8 |
| 60° | 3185.9 | 3185.9 | 3125.1 | 3022.3 | 2846.3 | 2743.5 | 2762.2 | 2911.7 | 3143.8 | 3154.7 | 2869.6 |
| 62.5° | 3302.7 | 3319.9 | 3271.6 | 3198.4 | 3027.0 | 2941.3 | 3005.2 | 3111.1 | 3237.3 | 3147.0 | 2818.2 |
| 65° | 3246.7 | 3265.4 | 3260.7 | 3179.7 | 3058.2 | 3051.9 | 3167.2 | 3192.1 | 3181.2 | 3033.2 | 2640.6 |
| 67.5° | 2992.7 | 2955.3 | 2953.8 | 2911.7 | 2886.8 | 3016.1 | 3162.5 | 3170.3 | 2986.5 | 2810.4 | 2360.2 |
| 70° | 2509.8 | 2445.9 | 2421.0 | 2433.4 | 2547.2 | 2788.6 | 2997.4 | 2938.2 | 2645.3 | 2494.2 | 2009.7 |
| 72.5° | 1934.9 | 1858.6 | 1843.0 | 1891.3 | 2067.3 | 2407.0 | 2692.0 | 2609.5 | 2174.8 | 1998.8 | 1556.3 |
| 75° | 1372.5 | 1339.8 | 1341.3 | 1436.4 | 1626.4 | 1953.6 | 2285.4 | 2277.6 | 1610.9 | 1378.7 | 1071.8 |
| 77.5° | 998.6 | 1004.8 | 1032.9 | 1070.3 | 1233.9 | 1550.1 | 1861.7 | 1841.4 | 1146.6 | 947.2 | 749.3 |
| 80° | 824.1 | 833.5 | 833.5 | 813.2 | 855.3 | 1023.5 | 1265.0 | 1350.7 | 768.0 | 637.2 | 523.5 |
| 82.5° | 592.0 | 638.7 | 665.2 | 632.5 | 616.9 | 674.6 | 793.0 | 849.1 | 478.3 | 401.9 | 366.1 |
| 85° | 282.0 | 322.5 | 331.8 | 324.0 | 372.3 | 425.3 | 453.3 | 464.3 | 261.7 | 186.9 | 239.9 |
| 87.5° | 0.0 | 0.0 | 1.6 | 12.5 | 34.3 | 59.2 | 59.2 | 90.4 | 14.0 | 4.7 | 10.9 |
| 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° | 9.0 | 11.0 | 13.0 | 10.0 | 7.0 | 6.0 | 5.0 | 4.5 | 4.0 | 4.0 | 4.0 |
| 100° | 30.0 | 31.0 | 32.0 | 31.0 | 30.0 | 28.5 | 27.0 | 26.5 | 26.0 | 25.0 | 26.0 |
| 102.5° | 50.0 | 50.5 | 51.0 | 50.5 | 50.0 | 49.0 | 48.0 | 48.5 | 49.0 | 48.0 | 49.0 |
| 105° | 70.0 | 70.5 | 71.0 | 71.0 | 71.0 | 70.0 | 69.0 | 70.0 | 71.0 | 69.0 | 71.0 |
| 107.5° | 91.0 | 92.0 | 93.0 | 92.5 | 92.0 | 91.5 | 91.0 | 91.5 | 92.0 | 91.0 | 92.0 |
| 110° | 112.0 | 113.0 | 114.0 | 114.0 | 114.0 | 113.5 | 113.0 | 113.5 | 114.0 | 113.0 | 114.0 |



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CATALOG NUMBER: ISS-AF-1000-LED-E1-SLL-8030-ULG

CANDELA DISTRIBUTION (continued):

| | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 134.0 | 135.0 | 136.0 | 136.0 | 136.0 | 135.5 | 135.0 | 136.0 | 137.0 | 135.0 | 137.0 |
| 115° | 156.0 | 157.0 | 158.0 | 158.0 | 158.0 | 158.0 | 158.0 | 159.0 | 160.0 | 159.0 | 160.0 |
| 117.5° | 179.0 | 179.5 | 180.0 | 180.5 | 181.0 | 180.5 | 180.0 | 181.0 | 182.0 | 180.0 | 182.0 |
| 120° | 202.0 | 203.0 | 204.0 | 204.0 | 204.0 | 204.0 | 204.0 | 205.0 | 206.0 | 204.0 | 206.0 |
| 122.5° | 227.0 | 227.5 | 228.0 | 228.0 | 228.0 | 228.5 | 229.0 | 231.0 | 233.0 | 232.0 | 233.0 |
| 125° | 252.0 | 252.5 | 253.0 | 253.5 | 254.0 | 254.0 | 254.0 | 255.5 | 257.0 | 256.0 | 257.0 |
| 127.5° | 276.0 | 277.0 | 278.0 | 277.5 | 277.0 | 277.5 | 278.0 | 279.5 | 281.0 | 278.0 | 281.0 |
| 130° | 299.0 | 300.0 | 301.0 | 301.0 | 301.0 | 301.5 | 302.0 | 303.5 | 305.0 | 303.0 | 305.0 |
| 132.5° | 322.0 | 323.5 | 325.0 | 325.0 | 325.0 | 325.5 | 326.0 | 327.5 | 329.0 | 327.0 | 329.0 |
| 135° | 345.0 | 346.5 | 348.0 | 348.0 | 348.0 | 348.5 | 349.0 | 350.0 | 351.0 | 350.0 | 351.0 |
| 137.5° | 367.0 | 368.0 | 369.0 | 369.0 | 369.0 | 369.5 | 370.0 | 372.0 | 374.0 | 372.0 | 374.0 |
| 140° | 389.0 | 389.5 | 390.0 | 390.0 | 390.0 | 391.0 | 392.0 | 394.0 | 396.0 | 394.0 | 396.0 |
| 142.5° | 410.0 | 411.0 | 412.0 | 412.0 | 412.0 | 412.5 | 413.0 | 414.5 | 416.0 | 415.0 | 416.0 |
| 145° | 432.0 | 433.0 | 434.0 | 433.5 | 433.0 | 433.5 | 434.0 | 435.5 | 437.0 | 435.0 | 437.0 |
| 147.5° | 453.0 | 453.5 | 454.0 | 453.0 | 452.0 | 452.5 | 453.0 | 454.5 | 456.0 | 453.0 | 456.0 |
| 150° | 470.0 | 470.5 | 471.0 | 470.0 | 469.0 | 469.0 | 469.0 | 471.0 | 473.0 | 470.0 | 473.0 |
| 152.5° | 486.0 | 486.5 | 487.0 | 486.5 | 486.0 | 486.0 | 486.0 | 487.5 | 489.0 | 486.0 | 489.0 |
| 155° | 503.0 | 503.5 | 504.0 | 503.5 | 503.0 | 503.5 | 504.0 | 505.5 | 507.0 | 505.0 | 507.0 |
| 157.5° | 519.0 | 519.0 | 519.0 | 518.0 | 517.0 | 517.5 | 518.0 | 520.5 | 523.0 | 520.0 | 523.0 |
| 160° | 532.0 | 532.0 | 532.0 | 531.0 | 530.0 | 530.0 | 530.0 | 531.5 | 533.0 | 531.0 | 533.0 |
| 162.5° | 541.0 | 541.5 | 542.0 | 541.0 | 540.0 | 539.0 | 538.0 | 539.0 | 540.0 | 537.0 | 540.0 |
| 165° | 552.0 | 552.5 | 553.0 | 551.5 | 550.0 | 549.0 | 548.0 | 549.0 | 550.0 | 548.0 | 550.0 |
| 167.5° | 560.0 | 560.0 | 560.0 | 559.0 | 558.0 | 558.5 | 559.0 | 561.0 | 563.0 | 561.0 | 563.0 |
| 170° | 566.0 | 565.5 | 565.0 | 564.5 | 564.0 | 565.0 | 566.0 | 568.5 | 571.0 | 569.0 | 571.0 |
| 172.5° | 568.0 | 568.5 | 569.0 | 568.0 | 567.0 | 567.5 | 568.0 | 569.5 | 571.0 | 568.0 | 571.0 |
| 175° | 572.0 | 572.5 | 573.0 | 571.5 | 570.0 | 569.0 | 568.0 | 569.5 | 571.0 | 568.0 | 571.0 |
| 177.5° | 577.0 | 577.0 | 577.0 | 575.5 | 574.0 | 574.0 | 574.0 | 575.5 | 577.0 | 574.0 | 577.0 |
| 180° | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 |



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CATALOG NUMBER: ISS-AF-1000-LED-E1-SLL-8030-ULG

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 145° | 155° | 165° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 |
| 2.5° | 1177.8 | 1157.5 | 1141.9 | 1123.2 | 1107.7 | 1092.1 | 1081.2 | 1057.8 | 1039.1 | 997.1 | 986.1 |
| 5° | 1149.7 | 1106.1 | 1076.5 | 1048.5 | 1012.6 | 987.7 | 961.2 | 928.5 | 892.7 | 831.9 | 813.2 |
| 7.5° | 1039.1 | 984.6 | 944.1 | 903.6 | 856.8 | 814.8 | 775.8 | 732.2 | 669.9 | 604.5 | 579.5 |
| 10° | 919.2 | 861.5 | 805.4 | 757.1 | 701.1 | 654.3 | 620.0 | 588.9 | 539.0 | 489.2 | 456.5 |
| 12.5° | 821.0 | 755.6 | 691.7 | 643.4 | 613.8 | 590.4 | 565.5 | 540.6 | 487.6 | 431.5 | 392.6 |
| 15° | 775.8 | 699.5 | 643.4 | 602.9 | 576.4 | 548.4 | 518.8 | 490.7 | 428.4 | 363.0 | 316.3 |
| 17.5° | 782.1 | 694.8 | 623.2 | 568.6 | 532.8 | 493.9 | 459.6 | 423.7 | 355.2 | 277.3 | 235.2 |
| 20° | 816.3 | 699.5 | 601.3 | 537.5 | 486.1 | 436.2 | 392.6 | 347.4 | 263.3 | 202.5 | 172.9 |
| 22.5° | 860.0 | 715.1 | 588.9 | 506.3 | 442.4 | 380.1 | 324.0 | 271.1 | 194.7 | 158.9 | 144.9 |
| 25° | 934.7 | 750.9 | 585.8 | 478.3 | 400.4 | 325.6 | 268.0 | 211.9 | 157.3 | 140.2 | 132.4 |
| 27.5° | 1028.2 | 791.4 | 588.9 | 458.0 | 364.5 | 282.0 | 218.1 | 176.0 | 141.8 | 132.4 | 126.2 |
| 30° | 1121.7 | 833.5 | 574.9 | 426.9 | 322.5 | 241.5 | 186.9 | 160.5 | 140.2 | 129.3 | 118.4 |
| 32.5° | 1204.3 | 864.6 | 551.5 | 394.1 | 285.1 | 205.6 | 158.9 | 137.1 | 123.1 | 110.6 | 107.5 |
| 35° | 1263.5 | 878.7 | 525.0 | 373.9 | 260.2 | 183.8 | 140.2 | 123.1 | 109.1 | 96.6 | 90.4 |
| 37.5° | 1319.5 | 880.2 | 497.0 | 355.2 | 250.8 | 174.5 | 129.3 | 113.7 | 101.3 | 90.4 | 84.1 |
| 40° | 1377.2 | 874.0 | 481.4 | 336.5 | 236.8 | 169.8 | 124.6 | 105.9 | 98.1 | 85.7 | 79.5 |
| 42.5° | 1419.2 | 863.1 | 475.2 | 325.6 | 224.3 | 157.3 | 121.5 | 104.4 | 93.5 | 84.1 | 76.3 |
| 45° | 1458.2 | 852.2 | 475.2 | 316.3 | 215.0 | 149.6 | 115.3 | 105.9 | 90.4 | 82.6 | 73.2 |
| 47.5° | 1504.9 | 856.8 | 476.7 | 308.5 | 207.2 | 141.8 | 109.1 | 102.8 | 91.9 | 81.0 | 71.7 |
| 50° | 1584.4 | 909.8 | 484.5 | 303.8 | 201.0 | 135.5 | 104.4 | 98.1 | 101.3 | 79.5 | 70.1 |
| 52.5° | 1721.5 | 993.9 | 497.0 | 300.7 | 194.7 | 130.9 | 98.1 | 95.0 | 102.8 | 79.5 | 68.5 |
| 55° | 1900.6 | 1079.6 | 509.4 | 292.9 | 185.4 | 121.5 | 95.0 | 88.8 | 95.0 | 79.5 | 67.0 |
| 57.5° | 2075.1 | 1143.5 | 520.3 | 282.0 | 169.8 | 112.2 | 90.4 | 84.1 | 87.2 | 77.9 | 63.9 |
| 60° | 2176.4 | 1193.3 | 531.2 | 263.3 | 151.1 | 101.3 | 85.7 | 79.5 | 77.9 | 77.9 | 62.3 |
| 62.5° | 2204.4 | 1174.7 | 525.0 | 239.9 | 135.5 | 93.5 | 81.0 | 74.8 | 70.1 | 79.5 | 62.3 |
| 65° | 2115.6 | 1076.5 | 501.6 | 219.7 | 124.6 | 90.4 | 76.3 | 71.7 | 67.0 | 68.5 | 59.2 |
| 67.5° | 1843.0 | 905.1 | 437.8 | 201.0 | 123.1 | 88.8 | 73.2 | 68.5 | 62.3 | 60.8 | 56.1 |
| 70° | 1503.4 | 710.4 | 363.0 | 186.9 | 121.5 | 88.8 | 70.1 | 63.9 | 59.2 | 54.5 | 51.4 |
| 72.5° | 1156.0 | 531.2 | 305.3 | 180.7 | 123.1 | 87.2 | 65.4 | 57.6 | 53.0 | 49.9 | 46.7 |
| 75° | 813.2 | 375.5 | 253.9 | 162.0 | 115.3 | 82.6 | 60.8 | 51.4 | 46.7 | 43.6 | 40.5 |
| 77.5° | 588.9 | 255.5 | 188.5 | 130.9 | 98.1 | 71.7 | 53.0 | 43.6 | 38.9 | 37.4 | 34.3 |
| 80° | 375.5 | 157.3 | 126.2 | 96.6 | 71.7 | 56.1 | 40.5 | 34.3 | 31.2 | 28.0 | 26.5 |
| 82.5° | 216.5 | 91.9 | 76.3 | 65.4 | 46.7 | 37.4 | 29.6 | 26.5 | 20.3 | 18.7 | 17.1 |
| 85° | 132.4 | 57.6 | 42.1 | 34.3 | 29.6 | 23.4 | 17.1 | 15.6 | 10.9 | 9.3 | 7.8 |
| 87.5° | 29.6 | 12.5 | 10.9 | 7.8 | 9.3 | 7.8 | 4.7 | 3.1 | 0.0 | 0.0 | 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° | 4.5 | 5.0 | 6.0 | 7.0 | 10.0 | 13.0 | 11.0 | 9.0 | 4.0 | 3.0 | 2.0 |
| 100° | 26.5 | 27.0 | 28.5 | 30.0 | 31.0 | 32.0 | 31.0 | 30.0 | 22.0 | 14.0 | 10.0 |
| 102.5° | 48.5 | 48.0 | 49.0 | 50.0 | 50.5 | 51.0 | 50.5 | 50.0 | 45.0 | 38.0 | 32.0 |
| 105° | 70.0 | 69.0 | 70.0 | 71.0 | 71.0 | 71.0 | 70.5 | 70.0 | 66.0 | 61.0 | 56.0 |
| 107.5° | 91.5 | 91.0 | 91.5 | 92.0 | 92.5 | 93.0 | 92.0 | 91.0 | 88.0 | 84.0 | 80.0 |
| 110° | 113.5 | 113.0 | 113.5 | 114.0 | 114.0 | 114.0 | 113.0 | 112.0 | 110.0 | 106.0 | 103.0 |



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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

| | 100° | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 145° | 155° | 165° | |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 136.0 | 135.0 | 135.5 | 136.0 | 136.0 | 136.0 | 135.0 | 134.0 | 132.0 | 129.0 | 126.0 | 0° |
| 115° | 159.0 | 158.0 | 158.0 | 158.0 | 158.0 | 158.0 | 157.0 | 156.0 | 154.0 | 151.0 | 149.0 | 2.5° |
| 117.5° | 181.0 | 180.0 | 180.5 | 181.0 | 180.5 | 180.0 | 179.5 | 179.0 | 177.0 | 174.0 | 172.0 | 5° |
| 120° | 205.0 | 204.0 | 204.0 | 204.0 | 204.0 | 204.0 | 203.0 | 202.0 | 201.0 | 198.0 | 196.0 | 7.5° |
| 122.5° | 231.0 | 229.0 | 228.5 | 228.0 | 228.0 | 228.0 | 227.5 | 227.0 | 226.0 | 223.0 | 221.0 | 10° |
| 125° | 255.5 | 254.0 | 254.0 | 254.0 | 253.5 | 253.0 | 252.5 | 252.0 | 251.0 | 248.0 | 247.0 | 12.5° |
| 127.5° | 279.5 | 278.0 | 277.5 | 277.0 | 277.5 | 278.0 | 277.0 | 276.0 | 274.0 | 272.0 | 270.0 | 15° |
| 130° | 303.5 | 302.0 | 301.5 | 301.0 | 301.0 | 301.0 | 300.0 | 299.0 | 298.0 | 294.0 | 293.0 | 17.5° |
| 132.5° | 327.5 | 326.0 | 325.5 | 325.0 | 325.0 | 325.0 | 323.5 | 322.0 | 321.0 | 318.0 | 317.0 | 20° |
| 135° | 350.0 | 349.0 | 348.5 | 348.0 | 348.0 | 348.0 | 346.5 | 345.0 | 345.0 | 341.0 | 339.0 | 22.5° |
| 137.5° | 372.0 | 370.0 | 369.5 | 369.0 | 369.0 | 369.0 | 368.0 | 367.0 | 367.0 | 364.0 | 363.0 | 25° |
| 140° | 394.0 | 392.0 | 391.0 | 390.0 | 390.0 | 390.0 | 389.5 | 389.0 | 388.0 | 386.0 | 385.0 | 27.5° |
| 142.5° | 414.5 | 413.0 | 412.5 | 412.0 | 412.0 | 412.0 | 411.0 | 410.0 | 410.0 | 407.0 | 408.0 | 30° |
| 145° | 435.5 | 434.0 | 433.5 | 433.0 | 433.5 | 434.0 | 433.0 | 432.0 | 431.0 | 428.0 | 428.0 | 32.5° |
| 147.5° | 454.5 | 453.0 | 452.5 | 452.0 | 453.0 | 454.0 | 453.5 | 453.0 | 452.0 | 448.0 | 447.0 | 35° |
| 150° | 471.0 | 469.0 | 469.0 | 469.0 | 470.0 | 471.0 | 470.5 | 470.0 | 469.0 | 465.0 | 464.0 | 37.5° |
| 152.5° | 487.5 | 486.0 | 486.0 | 486.0 | 486.5 | 487.0 | 486.5 | 486.0 | 485.0 | 482.0 | 483.0 | 40° |
| 155° | 505.5 | 504.0 | 503.5 | 503.0 | 503.5 | 504.0 | 503.5 | 503.0 | 503.0 | 501.0 | 502.0 | 42.5° |
| 157.5° | 520.5 | 518.0 | 517.5 | 517.0 | 518.0 | 519.0 | 519.0 | 519.0 | 519.0 | 516.0 | 517.0 | 45° |
| 160° | 531.5 | 530.0 | 530.0 | 530.0 | 531.0 | 532.0 | 532.0 | 532.0 | 532.0 | 529.0 | 529.0 | 47.5° |
| 162.5° | 539.0 | 538.0 | 539.0 | 540.0 | 541.0 | 542.0 | 541.5 | 541.0 | 541.0 | 538.0 | 539.0 | 50° |
| 165° | 549.0 | 548.0 | 549.0 | 550.0 | 551.5 | 553.0 | 552.5 | 552.0 | 552.0 | 548.0 | 549.0 | 52.5° |
| 167.5° | 561.0 | 559.0 | 558.5 | 558.0 | 559.0 | 560.0 | 560.0 | 560.0 | 561.0 | 558.0 | 559.0 | 55° |
| 170° | 568.5 | 566.0 | 565.0 | 564.0 | 564.5 | 565.0 | 565.5 | 566.0 | 567.0 | 565.0 | 566.0 | 57.5° |
| 172.5° | 569.5 | 568.0 | 567.5 | 567.0 | 568.0 | 569.0 | 568.5 | 568.0 | 569.0 | 567.0 | 569.0 | 60° |
| 175° | 569.5 | 568.0 | 569.0 | 570.0 | 571.5 | 573.0 | 572.5 | 572.0 | 572.0 | 569.0 | 570.0 | 62.5° |
| 177.5° | 575.5 | 574.0 | 574.0 | 574.0 | 575.5 | 577.0 | 577.0 | 577.0 | 578.0 | 574.0 | 575.0 | 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° |
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| | | | | | | | | | | | | 90° |
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| | | | | | | | | | | | | 97.5° |
| | | | | | | | | | | | | 100° |
| | | | | | | | | | | | | 102.5° |
| | | | | | | | | | | | | 105° |
| | | | | | | | | | | | | 107.5° |
| | | | | | | | | | | | | 110° |

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 NUMBER: ISS-AF-1000-LED-E1-SLL-8030-ULG

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

| 175° | 180° | 185° | 195° | 205° | 215° | 225° | 230° | 232.5° | 235° | 237.5° | 175° | 175° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 112.5° | 124.0 |
| 969.0 | 945.6 | 947.2 | 942.5 | 930.1 | 909.8 | 903.6 | 892.7 | 894.2 | 900.5 | 894.2 | 115° | 147.0 |
| 791.4 | 763.4 | 766.5 | 764.9 | 752.5 | 738.4 | 727.5 | 713.5 | 708.8 | 713.5 | 705.7 | 117.5° | 170.0 |
| 560.8 | 542.1 | 548.4 | 562.4 | 560.8 | 553.1 | 543.7 | 528.1 | 525.0 | 526.6 | 512.5 | 120° | 195.0 |
| 428.4 | 409.7 | 405.1 | 403.5 | 400.4 | 395.7 | 383.2 | 370.8 | 366.1 | 367.7 | 358.3 | 122.5° | 220.0 |
| 358.3 | 342.7 | 324.0 | 306.9 | 291.3 | 285.1 | 269.5 | 261.7 | 260.2 | 260.2 | 255.5 | 125° | 246.0 |
| 283.5 | 271.1 | 260.2 | 243.0 | 230.6 | 221.2 | 210.3 | 204.1 | 202.5 | 204.1 | 204.1 | 127.5° | 269.0 |
| 211.9 | 205.6 | 201.0 | 199.4 | 193.2 | 186.9 | 180.7 | 177.6 | 176.0 | 176.0 | 177.6 | 130° | 292.0 |
| 162.0 | 160.5 | 160.5 | 160.5 | 168.3 | 174.5 | 176.0 | 171.4 | 169.8 | 168.3 | 166.7 | 132.5° | 314.0 |
| 140.2 | 138.7 | 140.2 | 149.6 | 144.9 | 140.2 | 140.2 | 140.2 | 140.2 | 140.2 | 141.8 | 135° | 337.0 |
| 129.3 | 130.9 | 132.4 | 127.7 | 123.1 | 120.0 | 118.4 | 118.4 | 116.8 | 116.8 | 118.4 | 137.5° | 360.0 |
| 123.1 | 121.5 | 120.0 | 116.8 | 113.7 | 109.1 | 107.5 | 105.9 | 105.9 | 105.9 | 105.9 | 140° | 383.0 |
| 115.3 | 113.7 | 112.2 | 109.1 | 104.4 | 98.1 | 96.6 | 96.6 | 95.0 | 96.6 | 96.6 | 142.5° | 406.0 |
| 105.9 | 104.4 | 102.8 | 99.7 | 95.0 | 91.9 | 90.4 | 87.2 | 87.2 | 87.2 | 88.8 | 145° | 426.0 |
| 85.7 | 84.1 | 84.1 | 85.7 | 85.7 | 84.1 | 84.1 | 81.0 | 81.0 | 81.0 | 81.0 | 147.5° | 444.0 |
| 79.5 | 77.9 | 77.9 | 76.3 | 77.9 | 79.5 | 77.9 | 76.3 | 76.3 | 74.8 | 74.8 | 150° | 462.0 |
| 74.8 | 74.8 | 73.2 | 71.7 | 71.7 | 74.8 | 73.2 | 71.7 | 70.1 | 70.1 | 70.1 | 152.5° | 480.0 |
| 71.7 | 70.1 | 70.1 | 68.5 | 68.5 | 68.5 | 67.0 | 65.4 | 63.9 | 63.9 | 63.9 | 155° | 500.0 |
| 68.5 | 68.5 | 67.0 | 65.4 | 63.9 | 63.9 | 60.8 | 59.2 | 59.2 | 59.2 | 60.8 | 157.5° | 515.0 |
| 67.0 | 65.4 | 65.4 | 63.9 | 62.3 | 59.2 | 57.6 | 56.1 | 56.1 | 56.1 | 56.1 | 160° | 527.0 |
| 65.4 | 63.9 | 62.3 | 62.3 | 59.2 | 57.6 | 56.1 | 54.5 | 54.5 | 54.5 | 54.5 | 162.5° | 536.0 |
| 63.9 | 62.3 | 60.8 | 59.2 | 57.6 | 56.1 | 54.5 | 53.0 | 53.0 | 53.0 | 53.0 | 165° | 547.0 |
| 60.8 | 59.2 | 59.2 | 57.6 | 57.6 | 56.1 | 54.5 | 53.0 | 53.0 | 53.0 | 51.4 | 167.5° | 556.0 |
| 59.2 | 57.6 | 56.1 | 56.1 | 56.1 | 54.5 | 53.0 | 51.4 | 51.4 | 51.4 | 51.4 | 170° | 563.0 |
| 57.6 | 56.1 | 56.1 | 54.5 | 54.5 | 53.0 | 53.0 | 51.4 | 49.9 | 49.9 | 48.3 | 172.5° | 566.0 |
| 56.1 | 54.5 | 54.5 | 53.0 | 54.5 | 53.0 | 51.4 | 49.9 | 48.3 | 48.3 | 46.7 | 175° | 569.0 |
| 54.5 | 53.0 | 53.0 | 53.0 | 51.4 | 51.4 | 49.9 | 46.7 | 46.7 | 46.7 | 45.2 | 177.5° | 573.0 |
| 51.4 | 49.9 | 49.9 | 51.4 | 49.9 | 48.3 | 48.3 | 45.2 | 45.2 | 43.6 | 43.6 | 180° | 576.0 |
| 46.7 | 46.7 | 46.7 | 48.3 | 46.7 | 45.2 | 45.2 | 43.6 | 42.1 | 40.5 | 40.5 | | |
| 43.6 | 42.1 | 43.6 | 43.6 | 43.6 | 42.1 | 43.6 | 40.5 | 38.9 | 37.4 | 37.4 | | |
| 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 35.8 | 34.3 | 32.7 | | |
| 29.6 | 31.2 | 31.2 | 31.2 | 31.2 | 32.7 | 31.2 | 31.2 | 31.2 | 29.6 | 28.0 | | |
| 21.8 | 21.8 | 23.4 | 24.9 | 23.4 | 24.9 | 23.4 | 24.9 | 23.4 | 23.4 | 23.4 | | |
| 12.5 | 12.5 | 14.0 | 15.6 | 15.6 | 17.1 | 14.0 | 15.6 | 15.6 | 17.1 | 15.6 | | |
| 4.7 | 4.7 | 4.7 | 4.7 | 6.2 | 6.2 | 4.7 | 6.2 | 6.2 | 7.8 | 7.8 | | |
| 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 | 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 | | |
| 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | 9.0 | 11.0 | 12.0 | 13.0 | 11.5 | | |
| 8.0 | 8.0 | 8.0 | 10.0 | 14.0 | 22.0 | 30.0 | 31.0 | 31.5 | 32.0 | 31.5 | | |
| 28.0 | 28.0 | 28.0 | 32.0 | 38.0 | 45.0 | 50.0 | 50.5 | 50.8 | 51.0 | 50.8 | | |
| 54.0 | 54.0 | 54.0 | 56.0 | 61.0 | 66.0 | 70.0 | 70.5 | 70.8 | 71.0 | 71.0 | | |
| 77.0 | 78.0 | 77.0 | 80.0 | 84.0 | 88.0 | 91.0 | 92.0 | 92.5 | 93.0 | 92.8 | | |
| 102.0 | 101.0 | 102.0 | 103.0 | 106.0 | 110.0 | 112.0 | 113.0 | 113.5 | 114.0 | 114.0 | | |

'228466
 ISS-AF-1000-LED-E1-SLL-8030-ULG

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TION (continued):

CANDELA DISTRIBUTION (con

| 180° | 185° | 195° | 205° | 215° | 225° | 230° | 232.5° | 235° | 237.5° | | 240° | 242.5° |
|-------|-------|-------|-------|-------|-------|-------|--------|-------|--------|--------|--------|--------|
| 124.0 | 124.0 | 126.0 | 129.0 | 132.0 | 134.0 | 135.0 | 135.5 | 136.0 | 136.0 | 0° | 1089.0 | 1089.0 |
| 146.0 | 147.0 | 149.0 | 151.0 | 154.0 | 156.0 | 157.0 | 157.5 | 158.0 | 158.0 | 2.5° | 906.7 | 906.7 |
| 169.0 | 170.0 | 172.0 | 174.0 | 177.0 | 179.0 | 179.5 | 179.8 | 180.0 | 180.2 | 5° | 712.0 | 710.4 |
| 193.0 | 195.0 | 196.0 | 198.0 | 201.0 | 202.0 | 203.0 | 203.5 | 204.0 | 204.0 | 7.5° | 517.2 | 512.5 |
| 219.0 | 220.0 | 221.0 | 223.0 | 226.0 | 227.0 | 227.5 | 227.8 | 228.0 | 228.0 | 10° | 361.4 | 349.0 |
| 244.0 | 246.0 | 247.0 | 248.0 | 251.0 | 252.0 | 252.5 | 252.8 | 253.0 | 253.2 | 12.5° | 261.7 | 257.1 |
| 267.0 | 269.0 | 270.0 | 272.0 | 274.0 | 276.0 | 277.0 | 277.5 | 278.0 | 277.8 | 15° | 207.2 | 207.2 |
| 290.0 | 292.0 | 293.0 | 294.0 | 298.0 | 299.0 | 300.0 | 300.5 | 301.0 | 301.0 | 17.5° | 179.2 | 179.2 |
| 313.0 | 314.0 | 317.0 | 318.0 | 321.0 | 322.0 | 323.5 | 324.2 | 325.0 | 325.0 | 20° | 165.1 | 163.6 |
| 336.0 | 337.0 | 339.0 | 341.0 | 345.0 | 345.0 | 346.5 | 347.2 | 348.0 | 348.0 | 22.5° | 141.8 | 140.2 |
| 359.0 | 360.0 | 363.0 | 364.0 | 367.0 | 367.0 | 368.0 | 368.5 | 369.0 | 369.0 | 25° | 116.8 | 116.8 |
| 382.0 | 383.0 | 385.0 | 386.0 | 388.0 | 389.0 | 389.5 | 389.8 | 390.0 | 390.0 | 27.5° | 105.9 | 105.9 |
| 404.0 | 406.0 | 408.0 | 407.0 | 410.0 | 410.0 | 411.0 | 411.5 | 412.0 | 412.0 | 30° | 96.6 | 98.1 |
| 425.0 | 426.0 | 428.0 | 428.0 | 431.0 | 432.0 | 433.0 | 433.5 | 434.0 | 433.8 | 32.5° | 88.8 | 88.8 |
| 444.0 | 444.0 | 447.0 | 448.0 | 452.0 | 453.0 | 453.5 | 453.8 | 454.0 | 453.5 | 35° | 79.5 | 79.5 |
| 461.0 | 462.0 | 464.0 | 465.0 | 469.0 | 470.0 | 470.5 | 470.8 | 471.0 | 470.5 | 37.5° | 73.2 | 71.7 |
| 479.0 | 480.0 | 483.0 | 482.0 | 485.0 | 486.0 | 486.5 | 486.8 | 487.0 | 486.8 | 40° | 67.0 | 67.0 |
| 499.0 | 500.0 | 502.0 | 501.0 | 503.0 | 503.0 | 503.5 | 503.8 | 504.0 | 503.8 | 42.5° | 62.3 | 62.3 |
| 513.0 | 515.0 | 517.0 | 516.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 518.5 | 45° | 59.2 | 59.2 |
| 525.0 | 527.0 | 529.0 | 529.0 | 532.0 | 532.0 | 532.0 | 532.0 | 532.0 | 531.5 | 47.5° | 57.6 | 57.6 |
| 535.0 | 536.0 | 539.0 | 538.0 | 541.0 | 541.0 | 541.5 | 541.8 | 542.0 | 541.5 | 50° | 54.5 | 54.5 |
| 546.0 | 547.0 | 549.0 | 548.0 | 552.0 | 552.0 | 552.5 | 552.8 | 553.0 | 552.2 | 52.5° | 53.0 | 53.0 |
| 555.0 | 556.0 | 559.0 | 558.0 | 561.0 | 560.0 | 560.0 | 560.0 | 560.0 | 559.5 | 55° | 51.4 | 53.0 |
| 562.0 | 563.0 | 566.0 | 565.0 | 567.0 | 566.0 | 565.5 | 565.2 | 565.0 | 564.8 | 57.5° | 49.9 | 49.9 |
| 565.0 | 566.0 | 569.0 | 567.0 | 569.0 | 568.0 | 568.5 | 568.8 | 569.0 | 568.5 | 60° | 48.3 | 48.3 |
| 567.0 | 569.0 | 570.0 | 569.0 | 572.0 | 572.0 | 572.5 | 572.8 | 573.0 | 572.2 | 62.5° | 46.7 | 46.7 |
| 572.0 | 573.0 | 575.0 | 574.0 | 578.0 | 577.0 | 577.0 | 577.0 | 577.0 | 576.2 | 65° | 45.2 | 45.2 |
| 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 67.5° | 42.1 | 42.1 |
| | | | | | | | | | | 70° | 38.9 | 38.9 |
| | | | | | | | | | | 72.5° | 35.8 | 35.8 |
| | | | | | | | | | | 75° | 32.7 | 31.2 |
| | | | | | | | | | | 77.5° | 28.0 | 26.5 |
| | | | | | | | | | | 80° | 23.4 | 21.8 |
| | | | | | | | | | | 82.5° | 17.1 | 15.6 |
| | | | | | | | | | | 85° | 7.8 | 7.8 |
| | | | | | | | | | | 87.5° | 0.0 | 0.0 |
| | | | | | | | | | | 90° | 0.0 | 0.0 |
| | | | | | | | | | | 92.5° | 0.0 | 0.0 |
| | | | | | | | | | | 95° | 1.0 | 1.0 |
| | | | | | | | | | | 97.5° | 10.0 | 8.5 |
| | | | | | | | | | | 100° | 31.0 | 30.5 |
| | | | | | | | | | | 102.5° | 50.5 | 50.2 |
| | | | | | | | | | | 105° | 71.0 | 71.0 |
| | | | | | | | | | | 107.5° | 92.5 | 92.2 |
| | | | | | | | | | | 110° | 114.0 | 114.0 |



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

00-LED-E1-SLL-8030-ULG

tinued):

CANDELA DISTRIBUTION (continued):

| 245° | 247.5° | 250° | 252.5° | 255° | 257.5° | 260° | 265° | 270° | | 240° | 242.5° | 245° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|-------|
| 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 112.5° | 136.0 | 136.0 | 136.0 |
| 888.0 | 891.1 | 894.2 | 900.5 | 897.3 | 895.8 | 894.2 | 903.6 | 908.3 | 115° | 158.0 | 158.0 | 158.0 |
| 687.0 | 685.5 | 690.1 | 691.7 | 687.0 | 679.2 | 674.6 | 676.1 | 680.8 | 117.5° | 180.5 | 180.8 | 181.0 |
| 490.7 | 487.6 | 486.1 | 487.6 | 482.9 | 475.2 | 468.9 | 470.5 | 475.2 | 120° | 204.0 | 204.0 | 204.0 |
| 345.9 | 347.4 | 350.5 | 353.6 | 353.6 | 353.6 | 355.2 | 364.5 | 375.5 | 122.5° | 228.0 | 228.0 | 228.0 |
| 260.2 | 263.3 | 269.5 | 274.2 | 278.9 | 280.4 | 282.0 | 294.4 | 303.8 | 125° | 253.5 | 253.8 | 254.0 |
| 210.3 | 211.9 | 215.0 | 218.1 | 221.2 | 221.2 | 222.8 | 227.5 | 235.2 | 127.5° | 277.5 | 277.2 | 277.0 |
| 179.2 | 179.2 | 179.2 | 177.6 | 176.0 | 172.9 | 171.4 | 169.8 | 171.4 | 130° | 301.0 | 301.0 | 301.0 |
| 160.5 | 158.9 | 155.8 | 152.7 | 151.1 | 146.4 | 144.9 | 140.2 | 138.7 | 132.5° | 325.0 | 325.0 | 325.0 |
| 140.2 | 140.2 | 140.2 | 138.7 | 137.1 | 135.5 | 132.4 | 127.7 | 124.6 | 135° | 348.0 | 348.0 | 348.0 |
| 116.8 | 118.4 | 118.4 | 120.0 | 123.1 | 123.1 | 123.1 | 123.1 | 118.4 | 137.5° | 369.0 | 369.0 | 369.0 |
| 105.9 | 105.9 | 107.5 | 107.5 | 109.1 | 109.1 | 109.1 | 110.6 | 112.2 | 140° | 390.0 | 390.0 | 390.0 |
| 98.1 | 99.7 | 99.7 | 101.3 | 101.3 | 102.8 | 102.8 | 104.4 | 104.4 | 142.5° | 412.0 | 412.0 | 412.0 |
| 90.4 | 91.9 | 91.9 | 91.9 | 95.0 | 95.0 | 93.5 | 95.0 | 95.0 | 145° | 433.5 | 433.2 | 433.0 |
| 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 76.3 | 74.8 | 76.3 | 147.5° | 453.0 | 452.5 | 452.0 |
| 71.7 | 70.1 | 68.5 | 68.5 | 68.5 | 70.1 | 68.5 | 70.1 | 70.1 | 150° | 470.0 | 469.5 | 469.0 |
| 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 67.0 | 68.5 | 152.5° | 486.5 | 486.2 | 486.0 |
| 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 63.9 | 63.9 | 155° | 503.5 | 503.2 | 503.0 |
| 59.2 | 59.2 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 62.3 | 157.5° | 518.0 | 517.5 | 517.0 |
| 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 59.2 | 60.8 | 160° | 531.0 | 530.5 | 530.0 |
| 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 57.6 | 59.2 | 162.5° | 541.0 | 540.5 | 540.0 |
| 53.0 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 56.1 | 165° | 551.5 | 550.8 | 550.0 |
| 53.0 | 53.0 | 53.0 | 53.0 | 51.4 | 51.4 | 51.4 | 51.4 | 53.0 | 167.5° | 559.0 | 558.5 | 558.0 |
| 51.4 | 51.4 | 51.4 | 49.9 | 49.9 | 48.3 | 48.3 | 48.3 | 51.4 | 170° | 564.5 | 564.2 | 564.0 |
| 48.3 | 48.3 | 48.3 | 46.7 | 46.7 | 46.7 | 46.7 | 48.3 | 48.3 | 172.5° | 568.0 | 567.5 | 567.0 |
| 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 175° | 571.5 | 570.8 | 570.0 |
| 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 177.5° | 575.5 | 574.8 | 574.0 |
| 42.1 | 40.5 | 40.5 | 40.5 | 40.5 | 42.1 | 40.5 | 40.5 | 40.5 | 180° | 576.0 | 576.0 | 576.0 |
| 38.9 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | | | | |
| 35.8 | 35.8 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | | | | |
| 31.2 | 29.6 | 29.6 | 29.6 | 29.6 | 29.6 | 29.6 | 29.6 | 29.6 | | | | |
| 26.5 | 26.5 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | | | | |
| 21.8 | 20.3 | 20.3 | 20.3 | 20.3 | 20.3 | 20.3 | 18.7 | 18.7 | | | | |
| 15.6 | 15.6 | 15.6 | 14.0 | 14.0 | 14.0 | 14.0 | 12.5 | 10.9 | | | | |
| 6.2 | 7.8 | 7.8 | 9.3 | 7.8 | 7.8 | 7.8 | 6.2 | 3.1 | | | | |
| 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 | | | | |
| 7.0 | 6.5 | 6.0 | 5.5 | 5.0 | 4.8 | 4.5 | 4.0 | 4.0 | | | | |
| 30.0 | 29.2 | 28.5 | 27.8 | 27.0 | 26.8 | 26.5 | 26.0 | 25.0 | | | | |
| 50.0 | 49.5 | 49.0 | 48.5 | 48.0 | 48.2 | 48.5 | 49.0 | 48.0 | | | | |
| 71.0 | 70.5 | 70.0 | 69.5 | 69.0 | 69.5 | 70.0 | 71.0 | 69.0 | | | | |
| 92.0 | 91.8 | 91.5 | 91.2 | 91.0 | 91.2 | 91.5 | 92.0 | 91.0 | | | | |
| 114.0 | 113.8 | 113.5 | 113.2 | 113.0 | 113.2 | 113.5 | 114.0 | 113.0 | | | | |



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-SLL-8030-ULG

CANDELA DISTRIBUTION (continued):

| 247.5° | 250° | 252.5° | 255° | 257.5° | 260° | 265° | 270° | | 275° | 280° | 282.5° | 285° |
|--------|-------|--------|-------|--------|-------|-------|-------|--------|--------|--------|--------|--------|
| 135.8 | 135.5 | 135.2 | 135.0 | 135.5 | 136.0 | 137.0 | 135.0 | 0° | 1089.0 | 1089.0 | 1089.0 | 1089.0 |
| 158.0 | 158.0 | 158.0 | 158.0 | 158.5 | 159.0 | 160.0 | 159.0 | 2.5° | 905.1 | 920.7 | 922.3 | 912.9 |
| 180.8 | 180.5 | 180.2 | 180.0 | 180.5 | 181.0 | 182.0 | 180.0 | 5° | 674.6 | 694.8 | 693.3 | 680.8 |
| 204.0 | 204.0 | 204.0 | 204.0 | 204.5 | 205.0 | 206.0 | 204.0 | 7.5° | 476.7 | 493.9 | 492.3 | 490.7 |
| 228.2 | 228.5 | 228.8 | 229.0 | 230.0 | 231.0 | 233.0 | 232.0 | 10° | 386.4 | 401.9 | 406.6 | 417.5 |
| 254.0 | 254.0 | 254.0 | 254.0 | 254.8 | 255.5 | 257.0 | 256.0 | 12.5° | 313.1 | 331.8 | 336.5 | 349.0 |
| 277.2 | 277.5 | 277.8 | 278.0 | 278.8 | 279.5 | 281.0 | 278.0 | 15° | 241.5 | 257.1 | 261.7 | 271.1 |
| 301.2 | 301.5 | 301.8 | 302.0 | 302.8 | 303.5 | 305.0 | 303.0 | 17.5° | 177.6 | 186.9 | 190.1 | 196.3 |
| 325.2 | 325.5 | 325.8 | 326.0 | 326.8 | 327.5 | 329.0 | 327.0 | 20° | 138.7 | 141.8 | 143.3 | 144.9 |
| 348.2 | 348.5 | 348.8 | 349.0 | 349.5 | 350.0 | 351.0 | 350.0 | 22.5° | 124.6 | 126.2 | 126.2 | 127.7 |
| 369.2 | 369.5 | 369.8 | 370.0 | 371.0 | 372.0 | 374.0 | 372.0 | 25° | 115.3 | 116.8 | 116.8 | 118.4 |
| 390.5 | 391.0 | 391.5 | 392.0 | 393.0 | 394.0 | 396.0 | 394.0 | 27.5° | 110.6 | 110.6 | 110.6 | 110.6 |
| 412.2 | 412.5 | 412.8 | 413.0 | 413.8 | 414.5 | 416.0 | 415.0 | 30° | 105.9 | 105.9 | 105.9 | 107.5 |
| 433.2 | 433.5 | 433.8 | 434.0 | 434.8 | 435.5 | 437.0 | 435.0 | 32.5° | 98.1 | 95.0 | 98.1 | 96.6 |
| 452.2 | 452.5 | 452.8 | 453.0 | 453.8 | 454.5 | 456.0 | 453.0 | 35° | 76.3 | 76.3 | 77.9 | 79.5 |
| 469.0 | 469.0 | 469.0 | 469.0 | 470.0 | 471.0 | 473.0 | 470.0 | 37.5° | 71.7 | 73.2 | 73.2 | 74.8 |
| 486.0 | 486.0 | 486.0 | 486.0 | 486.8 | 487.5 | 489.0 | 486.0 | 40° | 68.5 | 70.1 | 71.7 | 73.2 |
| 503.2 | 503.5 | 503.8 | 504.0 | 504.8 | 505.5 | 507.0 | 505.0 | 42.5° | 65.4 | 68.5 | 68.5 | 70.1 |
| 517.2 | 517.5 | 517.8 | 518.0 | 519.2 | 520.5 | 523.0 | 520.0 | 45° | 63.9 | 65.4 | 67.0 | 68.5 |
| 530.0 | 530.0 | 530.0 | 530.0 | 530.8 | 531.5 | 533.0 | 531.0 | 47.5° | 62.3 | 63.9 | 65.4 | 67.0 |
| 539.5 | 539.0 | 538.5 | 538.0 | 538.5 | 539.0 | 540.0 | 537.0 | 50° | 59.2 | 62.3 | 63.9 | 65.4 |
| 549.5 | 549.0 | 548.5 | 548.0 | 548.5 | 549.0 | 550.0 | 548.0 | 52.5° | 57.6 | 60.8 | 60.8 | 63.9 |
| 558.2 | 558.5 | 558.8 | 559.0 | 560.0 | 561.0 | 563.0 | 561.0 | 55° | 54.5 | 57.6 | 57.6 | 60.8 |
| 564.5 | 565.0 | 565.5 | 566.0 | 567.2 | 568.5 | 571.0 | 569.0 | 57.5° | 51.4 | 54.5 | 56.1 | 57.6 |
| 567.2 | 567.5 | 567.8 | 568.0 | 568.8 | 569.5 | 571.0 | 568.0 | 60° | 49.9 | 51.4 | 53.0 | 54.5 |
| 569.5 | 569.0 | 568.5 | 568.0 | 568.8 | 569.5 | 571.0 | 568.0 | 62.5° | 46.7 | 49.9 | 51.4 | 53.0 |
| 574.0 | 574.0 | 574.0 | 574.0 | 574.8 | 575.5 | 577.0 | 574.0 | 65° | 45.2 | 48.3 | 48.3 | 51.4 |
| 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 67.5° | 42.1 | 45.2 | 45.2 | 46.7 |
| | | | | | | | | 70° | 38.9 | 40.5 | 42.1 | 43.6 |
| | | | | | | | | 72.5° | 35.8 | 37.4 | 37.4 | 38.9 |
| | | | | | | | | 75° | 29.6 | 31.2 | 32.7 | 34.3 |
| | | | | | | | | 77.5° | 24.9 | 24.9 | 28.0 | 28.0 |
| | | | | | | | | 80° | 18.7 | 18.7 | 20.3 | 21.8 |
| | | | | | | | | 82.5° | 10.9 | 10.9 | 12.5 | 12.5 |
| | | | | | | | | 85° | 3.1 | 3.1 | 3.1 | 3.1 |
| | | | | | | | | 87.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | 90° | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | 92.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | 95° | 1.0 | 1.0 | 1.0 | 1.0 |
| | | | | | | | | 97.5° | 4.0 | 4.5 | 4.8 | 5.0 |
| | | | | | | | | 100° | 26.0 | 26.5 | 26.8 | 27.0 |
| | | | | | | | | 102.5° | 49.0 | 48.5 | 48.2 | 48.0 |
| | | | | | | | | 105° | 71.0 | 70.0 | 69.5 | 69.0 |
| | | | | | | | | 107.5° | 92.0 | 91.5 | 91.2 | 91.0 |
| | | | | | | | | 110° | 114.0 | 113.5 | 113.2 | 113.0 |



REPORT NUMBER: P228466

CATALOG NUMBER: ISS-AF-1000-LED-E1-SLL-8030-ULG

ULG

CANDELA DISTRIBUTION (continued):

| 287.5° | 290° | 292.5° | 295° | 297.5° | 300° | 302.5° | | 275° | 280° | 282.5° | 285° | 287.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|--------|-------|--------|
| 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 112.5° | 137.0 | 136.0 | 135.5 | 135.0 | 135.2 |
| 931.6 | 934.7 | 930.1 | 930.1 | 933.2 | 945.6 | 945.6 | 115° | 160.0 | 159.0 | 158.5 | 158.0 | 158.0 |
| 705.7 | 713.5 | 708.8 | 710.4 | 716.6 | 730.7 | 738.4 | 117.5° | 182.0 | 181.0 | 180.5 | 180.0 | 180.2 |
| 506.3 | 512.5 | 515.7 | 520.3 | 539.0 | 540.6 | 549.9 | 120° | 206.0 | 205.0 | 204.5 | 204.0 | 204.0 |
| 422.2 | 431.5 | 437.8 | 445.6 | 461.1 | 468.9 | 479.8 | 122.5° | 233.0 | 231.0 | 230.0 | 229.0 | 228.8 |
| 355.2 | 366.1 | 372.3 | 387.9 | 397.3 | 406.6 | 420.6 | 125° | 257.0 | 255.5 | 254.8 | 254.0 | 254.0 |
| 277.3 | 289.8 | 296.0 | 305.3 | 324.0 | 333.4 | 352.1 | 127.5° | 281.0 | 279.5 | 278.8 | 278.0 | 277.8 |
| 201.0 | 205.6 | 218.1 | 233.7 | 244.6 | 260.2 | 269.5 | 130° | 305.0 | 303.5 | 302.8 | 302.0 | 301.8 |
| 148.0 | 151.1 | 157.3 | 168.3 | 174.5 | 186.9 | 196.3 | 132.5° | 329.0 | 327.5 | 326.8 | 326.0 | 325.8 |
| 127.7 | 129.3 | 132.4 | 135.5 | 138.7 | 143.3 | 148.0 | 135° | 351.0 | 350.0 | 349.5 | 349.0 | 348.8 |
| 118.4 | 120.0 | 121.5 | 123.1 | 126.2 | 127.7 | 129.3 | 137.5° | 374.0 | 372.0 | 371.0 | 370.0 | 369.8 |
| 112.2 | 112.2 | 113.7 | 116.8 | 116.8 | 120.0 | 121.5 | 140° | 396.0 | 394.0 | 393.0 | 392.0 | 391.5 |
| 109.1 | 112.2 | 115.3 | 120.0 | 121.5 | 124.6 | 126.2 | 142.5° | 416.0 | 414.5 | 413.8 | 413.0 | 412.8 |
| 93.5 | 93.5 | 95.0 | 98.1 | 98.1 | 99.7 | 101.3 | 145° | 437.0 | 435.5 | 434.8 | 434.0 | 433.8 |
| 79.5 | 81.0 | 82.6 | 84.1 | 85.7 | 88.8 | 90.4 | 147.5° | 456.0 | 454.5 | 453.8 | 453.0 | 452.8 |
| 76.3 | 76.3 | 77.9 | 81.0 | 82.6 | 84.1 | 85.7 | 150° | 473.0 | 471.0 | 470.0 | 469.0 | 469.0 |
| 73.2 | 74.8 | 76.3 | 77.9 | 79.5 | 82.6 | 84.1 | 152.5° | 489.0 | 487.5 | 486.8 | 486.0 | 486.0 |
| 71.7 | 73.2 | 74.8 | 76.3 | 79.5 | 81.0 | 82.6 | 155° | 507.0 | 505.5 | 504.8 | 504.0 | 503.8 |
| 70.1 | 71.7 | 73.2 | 76.3 | 77.9 | 81.0 | 82.6 | 157.5° | 523.0 | 520.5 | 519.2 | 518.0 | 517.8 |
| 68.5 | 70.1 | 71.7 | 74.8 | 77.9 | 81.0 | 84.1 | 160° | 533.0 | 531.5 | 530.8 | 530.0 | 530.0 |
| 67.0 | 68.5 | 71.7 | 74.8 | 77.9 | 82.6 | 90.4 | 162.5° | 540.0 | 539.0 | 538.5 | 538.0 | 538.5 |
| 65.4 | 68.5 | 71.7 | 74.8 | 79.5 | 85.7 | 93.5 | 165° | 550.0 | 549.0 | 548.5 | 548.0 | 548.5 |
| 63.9 | 67.0 | 68.5 | 73.2 | 77.9 | 84.1 | 85.7 | 167.5° | 563.0 | 561.0 | 560.0 | 559.0 | 558.8 |
| 60.8 | 63.9 | 65.4 | 70.1 | 76.3 | 77.9 | 76.3 | 170° | 571.0 | 568.5 | 567.2 | 566.0 | 565.5 |
| 57.6 | 59.2 | 63.9 | 73.2 | 79.5 | 73.2 | 65.4 | 172.5° | 571.0 | 569.5 | 568.8 | 568.0 | 567.8 |
| 56.1 | 57.6 | 60.8 | 67.0 | 68.5 | 60.8 | 59.2 | 175° | 571.0 | 569.5 | 568.8 | 568.0 | 568.5 |
| 53.0 | 53.0 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 177.5° | 577.0 | 575.5 | 574.8 | 574.0 | 574.0 |
| 48.3 | 48.3 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 180° | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 |
| 43.6 | 43.6 | 45.2 | 45.2 | 45.2 | 46.7 | 46.7 | | | | | | |
| 38.9 | 40.5 | 40.5 | 42.1 | 42.1 | 42.1 | 43.6 | | | | | | |
| 34.3 | 35.8 | 35.8 | 35.8 | 35.8 | 37.4 | 37.4 | | | | | | |
| 29.6 | 29.6 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | | | | | | |
| 23.4 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 | | | | | | |
| 14.0 | 14.0 | 15.6 | 14.0 | 14.0 | 12.5 | 12.5 | | | | | | |
| 3.1 | 3.1 | 3.1 | 1.6 | 1.6 | 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 | | | | | | |
| 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| 5.5 | 6.0 | 6.5 | 7.0 | 8.5 | 10.0 | 11.5 | | | | | | |
| 27.8 | 28.5 | 29.2 | 30.0 | 30.5 | 31.0 | 31.5 | | | | | | |
| 48.5 | 49.0 | 49.5 | 50.0 | 50.2 | 50.5 | 50.8 | | | | | | |
| 69.5 | 70.0 | 70.5 | 71.0 | 71.0 | 71.0 | 71.0 | | | | | | |
| 91.2 | 91.5 | 91.8 | 92.0 | 92.2 | 92.5 | 92.8 | | | | | | |
| 113.2 | 113.5 | 113.8 | 114.0 | 114.0 | 114.0 | 114.0 | | | | | | |



REPORT NUMBER: P228466

CATALOG NUMBER: ISS-AF-1000-LED-E1-SLL-8030-ULG

CANDELA DISTRIBUTION (continued):

| 290° | 292.5° | 295° | 297.5° | 300° | 302.5° | | 305° | 307.5° | 310° | 312.5° | 315° | 317.5° |
|-------|--------|-------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 135.5 | 135.8 | 136.0 | 136.0 | 136.0 | 136.0 | 0° | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 |
| 158.0 | 158.0 | 158.0 | 158.0 | 158.0 | 158.0 | 2.5° | 969.0 | 969.0 | 972.1 | 984.6 | 987.7 | 995.5 |
| 180.5 | 180.8 | 181.0 | 180.8 | 180.5 | 180.2 | 5° | 766.5 | 772.7 | 782.1 | 797.6 | 807.0 | 824.1 |
| 204.0 | 204.0 | 204.0 | 204.0 | 204.0 | 204.0 | 7.5° | 571.7 | 581.1 | 588.9 | 606.0 | 620.0 | 637.2 |
| 228.5 | 228.2 | 228.0 | 228.0 | 228.0 | 228.0 | 10° | 495.4 | 503.2 | 514.1 | 525.0 | 539.0 | 546.8 |
| 254.0 | 254.0 | 254.0 | 253.8 | 253.5 | 253.2 | 12.5° | 440.9 | 451.8 | 462.7 | 478.3 | 492.3 | 506.3 |
| 277.5 | 277.2 | 277.0 | 277.2 | 277.5 | 277.8 | 15° | 373.9 | 386.4 | 398.8 | 416.0 | 436.2 | 450.2 |
| 301.5 | 301.2 | 301.0 | 301.0 | 301.0 | 301.0 | 17.5° | 289.8 | 303.8 | 320.9 | 344.3 | 366.1 | 383.2 |
| 325.5 | 325.2 | 325.0 | 325.0 | 325.0 | 325.0 | 20° | 213.4 | 225.9 | 241.5 | 261.7 | 277.3 | 306.9 |
| 348.5 | 348.2 | 348.0 | 348.0 | 348.0 | 348.0 | 22.5° | 157.3 | 165.1 | 177.6 | 193.2 | 210.3 | 236.8 |
| 369.5 | 369.2 | 369.0 | 369.0 | 369.0 | 369.0 | 25° | 132.4 | 135.5 | 140.2 | 149.6 | 160.5 | 179.2 |
| 391.0 | 390.5 | 390.0 | 390.0 | 390.0 | 390.0 | 27.5° | 123.1 | 124.6 | 127.7 | 132.4 | 138.7 | 148.0 |
| 412.5 | 412.2 | 412.0 | 412.0 | 412.0 | 412.0 | 30° | 129.3 | 129.3 | 129.3 | 130.9 | 134.0 | 138.7 |
| 433.5 | 433.2 | 433.0 | 433.2 | 433.5 | 433.8 | 32.5° | 104.4 | 105.9 | 105.9 | 109.1 | 110.6 | 116.8 |
| 452.5 | 452.2 | 452.0 | 452.5 | 453.0 | 453.5 | 35° | 93.5 | 95.0 | 96.6 | 98.1 | 101.3 | 102.8 |
| 469.0 | 469.0 | 469.0 | 469.5 | 470.0 | 470.5 | 37.5° | 88.8 | 90.4 | 91.9 | 91.9 | 93.5 | 96.6 |
| 486.0 | 486.0 | 486.0 | 486.2 | 486.5 | 486.8 | 40° | 87.2 | 87.2 | 87.2 | 87.2 | 90.4 | 93.5 |
| 503.5 | 503.2 | 503.0 | 503.2 | 503.5 | 503.8 | 42.5° | 84.1 | 84.1 | 84.1 | 85.7 | 90.4 | 96.6 |
| 517.5 | 517.2 | 517.0 | 517.5 | 518.0 | 518.5 | 45° | 84.1 | 84.1 | 85.7 | 91.9 | 93.5 | 93.5 |
| 530.0 | 530.0 | 530.0 | 530.5 | 531.0 | 531.5 | 47.5° | 87.2 | 90.4 | 91.9 | 90.4 | 88.8 | 88.8 |
| 539.0 | 539.5 | 540.0 | 540.5 | 541.0 | 541.5 | 50° | 95.0 | 93.5 | 87.2 | 85.7 | 85.7 | 82.6 |
| 549.0 | 549.5 | 550.0 | 550.8 | 551.5 | 552.2 | 52.5° | 93.5 | 87.2 | 85.7 | 82.6 | 79.5 | 77.9 |
| 558.5 | 558.2 | 558.0 | 558.5 | 559.0 | 559.5 | 55° | 84.1 | 82.6 | 77.9 | 74.8 | 73.2 | 74.8 |
| 565.0 | 564.5 | 564.0 | 564.2 | 564.5 | 564.8 | 57.5° | 73.2 | 71.7 | 68.5 | 68.5 | 70.1 | 71.7 |
| 567.5 | 567.2 | 567.0 | 567.5 | 568.0 | 568.5 | 60° | 63.9 | 63.9 | 63.9 | 65.4 | 67.0 | 68.5 |
| 569.0 | 569.5 | 570.0 | 570.8 | 571.5 | 572.2 | 62.5° | 57.6 | 59.2 | 59.2 | 62.3 | 63.9 | 65.4 |
| 574.0 | 574.0 | 574.0 | 574.8 | 575.5 | 576.2 | 65° | 54.5 | 56.1 | 57.6 | 57.6 | 59.2 | 60.8 |
| 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 67.5° | 51.4 | 51.4 | 53.0 | 54.5 | 56.1 | 57.6 |
| | | | | | | 70° | 46.7 | 48.3 | 49.9 | 51.4 | 51.4 | 53.0 |
| | | | | | | 72.5° | 43.6 | 43.6 | 45.2 | 46.7 | 46.7 | 49.9 |
| | | | | | | 75° | 37.4 | 38.9 | 38.9 | 38.9 | 40.5 | 43.6 |
| | | | | | | 77.5° | 32.7 | 31.2 | 32.7 | 32.7 | 34.3 | 35.8 |
| | | | | | | 80° | 23.4 | 21.8 | 21.8 | 23.4 | 23.4 | 23.4 |
| | | | | | | 82.5° | 12.5 | 10.9 | 12.5 | 10.9 | 10.9 | 12.5 |
| | | | | | | 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | 90° | 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 |
| | | | | | | 95° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| | | | | | | 97.5° | 13.0 | 12.0 | 11.0 | 10.0 | 9.0 | 7.8 |
| | | | | | | 100° | 32.0 | 31.5 | 31.0 | 30.5 | 30.0 | 28.0 |
| | | | | | | 102.5° | 51.0 | 50.8 | 50.5 | 50.2 | 50.0 | 48.8 |
| | | | | | | 105° | 71.0 | 70.8 | 70.5 | 70.2 | 70.0 | 69.0 |
| | | | | | | 107.5° | 93.0 | 92.5 | 92.0 | 91.5 | 91.0 | 90.2 |
| | | | | | | 110° | 114.0 | 113.5 | 113.0 | 112.5 | 112.0 | 111.5 |



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CATALOG NUMBER: ISS-AF-1000-LED-E1-SLL-8030-ULG

CANDELA DISTRIBUTION (continued):

| 320° | 322.5° | 325° | 335° | 345° | | 305° | 307.5° | 310° | 312.5° | 315° | 317.5° | 320° |
|--------|--------|--------|--------|--------|--------|-------|--------|-------|--------|-------|--------|-------|
| 1089.0 | 1089.0 | 1089.0 | 1089.0 | 1089.0 | 112.5° | 136.0 | 135.5 | 135.0 | 134.5 | 134.0 | 133.5 | 133.0 |
| 993.9 | 1008.0 | 1014.2 | 1051.6 | 1090.5 | 115° | 158.0 | 157.5 | 157.0 | 156.5 | 156.0 | 155.5 | 155.0 |
| 821.0 | 849.1 | 853.7 | 922.3 | 989.3 | 117.5° | 180.0 | 179.8 | 179.5 | 179.2 | 179.0 | 178.5 | 178.0 |
| 641.9 | 674.6 | 683.9 | 774.3 | 867.7 | 120° | 204.0 | 203.5 | 203.0 | 202.5 | 202.0 | 201.8 | 201.5 |
| 559.3 | 574.9 | 585.8 | 652.8 | 760.3 | 122.5° | 228.0 | 227.8 | 227.5 | 227.2 | 227.0 | 226.8 | 226.5 |
| 518.8 | 534.4 | 548.4 | 602.9 | 687.0 | 125° | 253.0 | 252.8 | 252.5 | 252.2 | 252.0 | 251.8 | 251.5 |
| 464.3 | 481.4 | 498.5 | 565.5 | 663.7 | 127.5° | 278.0 | 277.5 | 277.0 | 276.5 | 276.0 | 275.5 | 275.0 |
| 397.3 | 420.6 | 442.4 | 523.5 | 652.8 | 130° | 301.0 | 300.5 | 300.0 | 299.5 | 299.0 | 298.8 | 298.5 |
| 322.5 | 350.5 | 377.0 | 478.3 | 637.2 | 132.5° | 325.0 | 324.2 | 323.5 | 322.8 | 322.0 | 321.8 | 321.5 |
| 253.9 | 278.9 | 308.5 | 436.2 | 637.2 | 135° | 348.0 | 347.2 | 346.5 | 345.8 | 345.0 | 345.0 | 345.0 |
| 196.3 | 221.2 | 250.8 | 398.8 | 654.3 | 137.5° | 369.0 | 368.5 | 368.0 | 367.5 | 367.0 | 367.0 | 367.0 |
| 160.5 | 180.7 | 210.3 | 369.2 | 679.2 | 140° | 390.0 | 389.8 | 389.5 | 389.2 | 389.0 | 388.8 | 388.5 |
| 144.9 | 157.3 | 176.0 | 325.6 | 696.4 | 142.5° | 412.0 | 411.5 | 411.0 | 410.5 | 410.0 | 410.0 | 410.0 |
| 123.1 | 132.4 | 149.6 | 299.1 | 707.3 | 145° | 434.0 | 433.5 | 433.0 | 432.5 | 432.0 | 431.8 | 431.5 |
| 109.1 | 120.0 | 137.1 | 282.0 | 705.7 | 147.5° | 454.0 | 453.8 | 453.5 | 453.2 | 453.0 | 452.8 | 452.5 |
| 101.3 | 112.2 | 132.4 | 275.7 | 705.7 | 150° | 471.0 | 470.8 | 470.5 | 470.2 | 470.0 | 469.8 | 469.5 |
| 101.3 | 112.2 | 129.3 | 269.5 | 710.4 | 152.5° | 487.0 | 486.8 | 486.5 | 486.2 | 486.0 | 485.8 | 485.5 |
| 99.7 | 105.9 | 120.0 | 266.4 | 718.2 | 155° | 504.0 | 503.8 | 503.5 | 503.2 | 503.0 | 503.0 | 503.0 |
| 95.0 | 99.7 | 113.7 | 266.4 | 733.8 | 157.5° | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 |
| 88.8 | 95.0 | 109.1 | 271.1 | 763.4 | 160° | 532.0 | 532.0 | 532.0 | 532.0 | 532.0 | 532.0 | 532.0 |
| 84.1 | 90.4 | 107.5 | 271.1 | 824.1 | 162.5° | 542.0 | 541.8 | 541.5 | 541.2 | 541.0 | 541.0 | 541.0 |
| 79.5 | 88.8 | 105.9 | 268.0 | 911.4 | 165° | 553.0 | 552.8 | 552.5 | 552.2 | 552.0 | 552.0 | 552.0 |
| 77.9 | 85.7 | 102.8 | 264.8 | 1018.9 | 167.5° | 560.0 | 560.0 | 560.0 | 560.0 | 560.0 | 560.2 | 560.5 |
| 76.3 | 82.6 | 95.0 | 257.1 | 1104.5 | 170° | 565.0 | 565.2 | 565.5 | 565.8 | 566.0 | 566.2 | 566.5 |
| 73.2 | 77.9 | 87.2 | 243.0 | 1162.2 | 172.5° | 569.0 | 568.8 | 568.5 | 568.2 | 568.0 | 568.2 | 568.5 |
| 68.5 | 73.2 | 79.5 | 227.5 | 1174.7 | 175° | 573.0 | 572.8 | 572.5 | 572.2 | 572.0 | 572.0 | 572.0 |
| 65.4 | 70.1 | 79.5 | 215.0 | 1098.3 | 177.5° | 577.0 | 577.0 | 577.0 | 577.0 | 577.0 | 577.2 | 577.5 |
| 60.8 | 68.5 | 81.0 | 204.1 | 931.6 | 180° | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 |
| 57.6 | 68.5 | 82.6 | 199.4 | 740.0 | | | | | | | | |
| 54.5 | 67.0 | 84.1 | 191.6 | 557.7 | | | | | | | | |
| 49.9 | 60.8 | 73.2 | 158.9 | 377.0 | | | | | | | | |
| 40.5 | 46.7 | 54.5 | 101.3 | 199.4 | | | | | | | | |
| 26.5 | 28.0 | 31.2 | 62.3 | 110.6 | | | | | | | | |
| 12.5 | 15.6 | 15.6 | 29.6 | 49.9 | | | | | | | | |
| 0.0 | 0.0 | 0.0 | 3.1 | 10.9 | | | | | | | | |
| 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 | | | | | | | | |
| 6.5 | 5.2 | 4.0 | 3.0 | 2.0 | | | | | | | | |
| 26.0 | 24.0 | 22.0 | 14.0 | 10.0 | | | | | | | | |
| 47.5 | 46.2 | 45.0 | 38.0 | 32.0 | | | | | | | | |
| 68.0 | 67.0 | 66.0 | 61.0 | 56.0 | | | | | | | | |
| 89.5 | 88.8 | 88.0 | 84.0 | 80.0 | | | | | | | | |
| 111.0 | 110.5 | 110.0 | 106.0 | 103.0 | | | | | | | | |

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 CATALOG NUMBER: ISS-AF-1000-LED-E1-SLL-8030-ULG

CANDELA DISTRIBUTION (continued):

| 322.5° | 325° | 335° | 345° | | 355° | 359° | 360° |
|--------|-------|-------|-------|--------|--------|--------|--------|
| 132.5 | 132.0 | 129.0 | 126.0 | 0° | 1089.0 | 1089.0 | 1089.0 |
| 154.5 | 154.0 | 151.0 | 149.0 | 2.5° | 1127.9 | 1146.6 | 1156.0 |
| 177.5 | 177.0 | 174.0 | 172.0 | 5° | 1067.2 | 1106.1 | 1118.6 |
| 201.2 | 201.0 | 198.0 | 196.0 | 7.5° | 975.2 | 1018.9 | 1036.0 |
| 226.2 | 226.0 | 223.0 | 221.0 | 10° | 883.3 | 937.9 | 955.0 |
| 251.2 | 251.0 | 248.0 | 247.0 | 12.5° | 828.8 | 894.2 | 903.6 |
| 274.5 | 274.0 | 272.0 | 270.0 | 15° | 807.0 | 874.0 | 892.7 |
| 298.2 | 298.0 | 294.0 | 293.0 | 17.5° | 828.8 | 903.6 | 922.3 |
| 321.2 | 321.0 | 318.0 | 317.0 | 20° | 870.9 | 962.8 | 992.4 |
| 345.0 | 345.0 | 341.0 | 339.0 | 22.5° | 942.5 | 1067.2 | 1104.5 |
| 367.0 | 367.0 | 364.0 | 363.0 | 25° | 1059.4 | 1232.3 | 1265.0 |
| 388.2 | 388.0 | 386.0 | 385.0 | 27.5° | 1184.0 | 1363.2 | 1414.6 |
| 410.0 | 410.0 | 407.0 | 408.0 | 30° | 1293.1 | 1484.7 | 1526.7 |
| 431.2 | 431.0 | 428.0 | 428.0 | 32.5° | 1370.9 | 1581.3 | 1629.6 |
| 452.2 | 452.0 | 448.0 | 447.0 | 35° | 1462.9 | 1691.9 | 1738.6 |
| 469.2 | 469.0 | 465.0 | 464.0 | 37.5° | 1568.8 | 1825.9 | 1889.7 |
| 485.2 | 485.0 | 482.0 | 483.0 | 40° | 1685.6 | 1964.5 | 2036.2 |
| 503.0 | 503.0 | 501.0 | 502.0 | 42.5° | 1791.6 | 2093.8 | 2173.3 |
| 519.0 | 519.0 | 516.0 | 517.0 | 45° | 1874.2 | 2215.3 | 2277.6 |
| 532.0 | 532.0 | 529.0 | 529.0 | 47.5° | 1969.2 | 2308.8 | 2378.9 |
| 541.0 | 541.0 | 538.0 | 539.0 | 50° | 2100.0 | 2427.2 | 2509.8 |
| 552.0 | 552.0 | 548.0 | 549.0 | 52.5° | 2291.7 | 2628.2 | 2687.4 |
| 560.8 | 561.0 | 558.0 | 559.0 | 55° | 2523.8 | 2871.2 | 2938.2 |
| 566.8 | 567.0 | 565.0 | 566.0 | 57.5° | 2737.2 | 3097.1 | 3154.7 |
| 568.8 | 569.0 | 567.0 | 569.0 | 60° | 2874.3 | 3201.5 | 3249.8 |
| 572.0 | 572.0 | 569.0 | 570.0 | 62.5° | 2875.9 | 3204.6 | 3265.4 |
| 577.8 | 578.0 | 574.0 | 575.0 | 65° | 2762.2 | 3136.0 | 3204.6 |
| 576.0 | 576.0 | 576.0 | 576.0 | 67.5° | 2473.9 | 2961.6 | 3067.5 |
| | | | | 70° | 2089.1 | 2618.8 | 2737.2 |
| | | | | 72.5° | 1629.6 | 2058.0 | 2193.5 |
| | | | | 75° | 1104.5 | 1366.3 | 1484.7 |
| | | | | 77.5° | 702.6 | 788.3 | 827.2 |
| | | | | 80° | 414.4 | 465.8 | 486.1 |
| | | | | 82.5° | 257.1 | 277.3 | 297.6 |
| | | | | 85° | 104.4 | 74.8 | 81.0 |
| | | | | 87.5° | 0.0 | 0.0 | 0.0 |
| | | | | 90° | 0.0 | 0.0 | 0.0 |
| | | | | 92.5° | 0.0 | 0.0 | 0.0 |
| | | | | 95° | 1.0 | 1.0 | 1.0 |
| | | | | 97.5° | 2.0 | 2.0 | 2.0 |
| | | | | 100° | 8.0 | 8.0 | 8.0 |
| | | | | 102.5° | 28.0 | 28.0 | 28.0 |
| | | | | 105° | 54.0 | 54.0 | 54.0 |
| | | | | 107.5° | 77.0 | 77.8 | 78.0 |
| | | | | 110° | 102.0 | 101.2 | 101.0 |

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CANDELA DISTRIBUTION (continued):

| | 355° | 359° | 360° |
|--------|-------|-------|-------|
| 112.5° | 124.0 | 124.0 | 124.0 |
| 115° | 147.0 | 146.2 | 146.0 |
| 117.5° | 170.0 | 169.2 | 169.0 |
| 120° | 195.0 | 193.4 | 193.0 |
| 122.5° | 220.0 | 219.2 | 219.0 |
| 125° | 246.0 | 244.4 | 244.0 |
| 127.5° | 269.0 | 267.4 | 267.0 |
| 130° | 292.0 | 290.4 | 290.0 |
| 132.5° | 314.0 | 313.2 | 313.0 |
| 135° | 337.0 | 336.2 | 336.0 |
| 137.5° | 360.0 | 359.2 | 359.0 |
| 140° | 383.0 | 382.2 | 382.0 |
| 142.5° | 406.0 | 404.4 | 404.0 |
| 145° | 426.0 | 425.2 | 425.0 |
| 147.5° | 444.0 | 444.0 | 444.0 |
| 150° | 462.0 | 461.2 | 461.0 |
| 152.5° | 480.0 | 479.2 | 479.0 |
| 155° | 500.0 | 499.2 | 499.0 |
| 157.5° | 515.0 | 513.4 | 513.0 |
| 160° | 527.0 | 525.4 | 525.0 |
| 162.5° | 536.0 | 535.2 | 535.0 |
| 165° | 547.0 | 546.2 | 546.0 |
| 167.5° | 556.0 | 555.2 | 555.0 |
| 170° | 563.0 | 562.2 | 562.0 |
| 172.5° | 566.0 | 565.2 | 565.0 |
| 175° | 569.0 | 567.4 | 567.0 |
| 177.5° | 573.0 | 572.2 | 572.0 |
| 180° | 576.0 | 576.0 | 576.0 |

(END OF REPORT)