

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: P271733

Luminaire Tested: **IST-AF-1000-LED-E1-SL3-7027-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271733
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35946)-DOWNLIGHT AND
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: IST-AF-1000-LED-E1-SL3-7027-ULG
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-TYPE III W/SPILL CONTROL, 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: 6686.2 lumens
Efficiency: N/A
Efficacy: 93.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')
IES Classification: Type II - 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

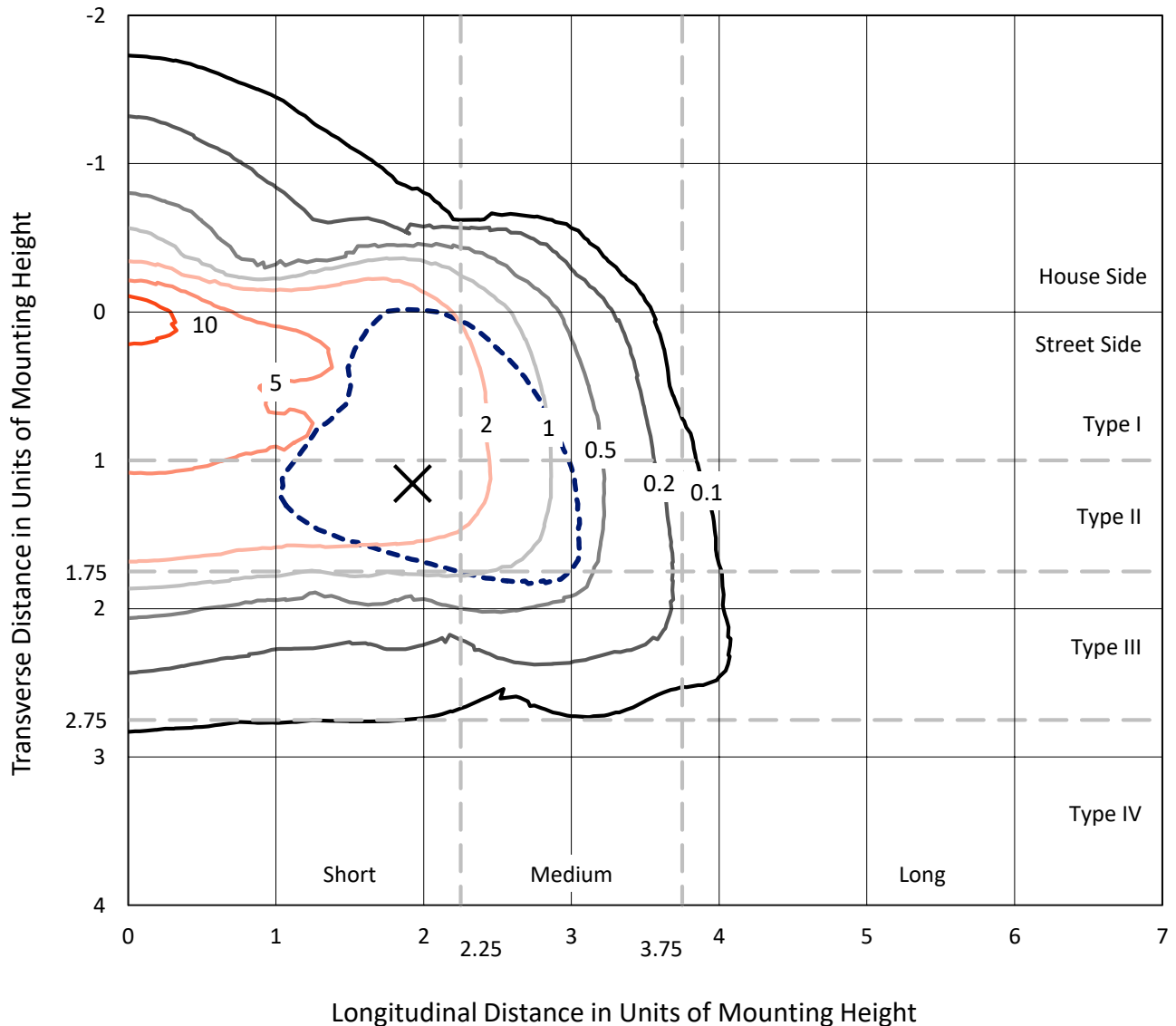


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Iso-Footcandle Lines of Horizontal Illumination

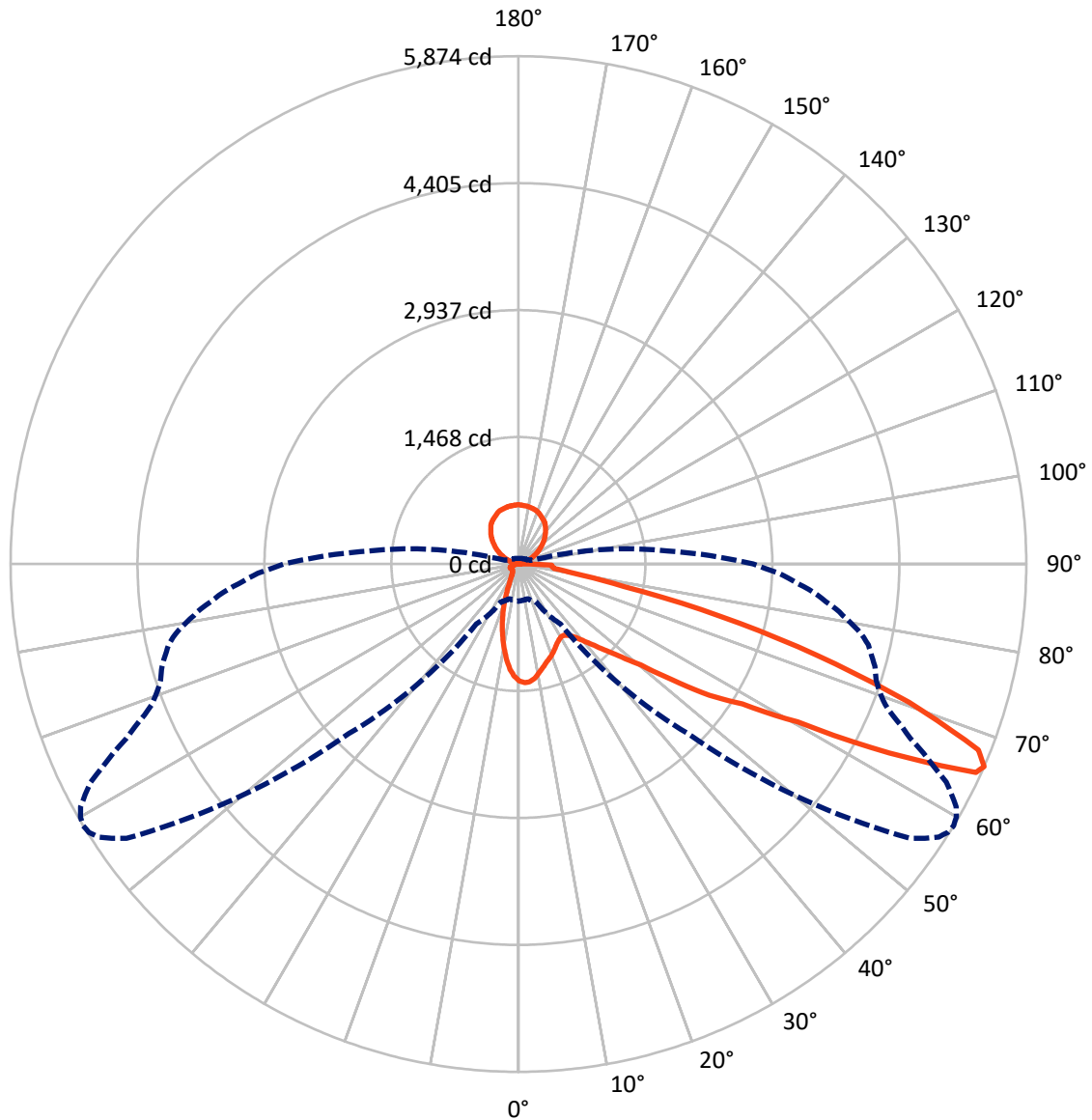
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.5 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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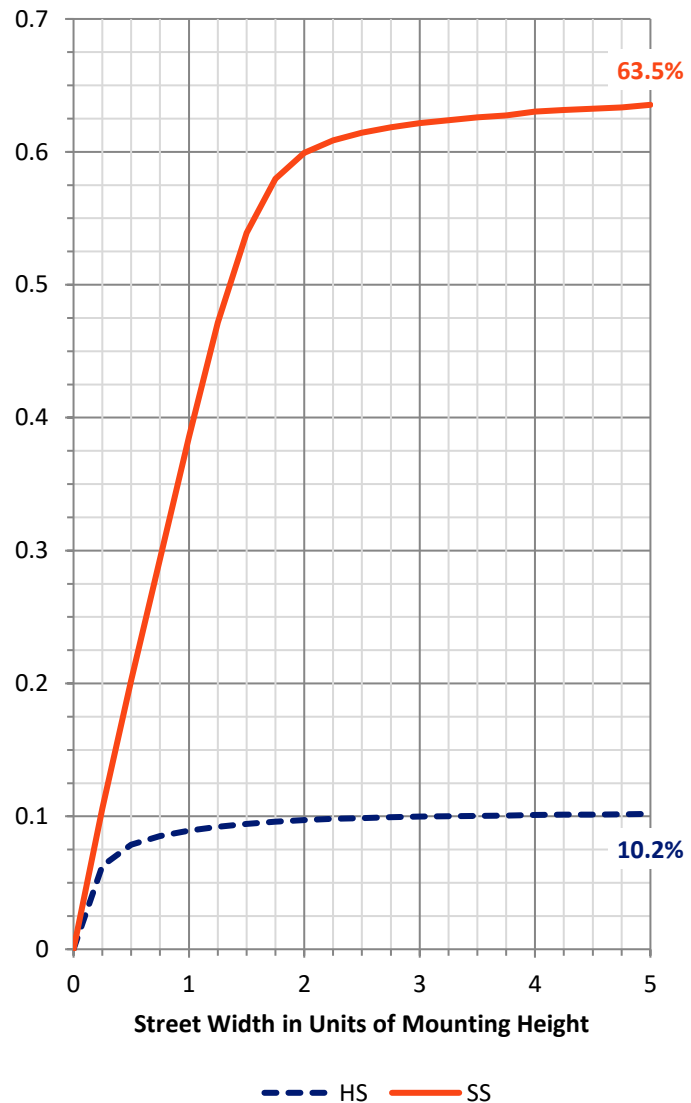
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 691.7 | 851.8 | 1543.5 |
| | % Fixture | 10.3 | 12.7 | 23.1 |
| Street Side | Lumens | 4289.3 | 853.3 | 5142.7 |
| | % Fixture | 64.2 | 12.8 | 76.9 |
| Total | Lumens | 4981.1 | 1705.1 | 6686.2 |
| | % Fixture | 74.5 | 25.5 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 115.4 | 1.7 |
| 10°-20° | 243.7 | 3.6 |
| 20°-30° | 305.7 | 4.6 |
| 30°-40° | 418.3 | 6.3 |
| 40°-50° | 672.9 | 10.1 |
| 50°-60° | 1169.2 | 17.5 |
| 60°-70° | 1420.6 | 21.2 |
| 70°-80° | 530.0 | 7.9 |
| 80°-90° | 105.2 | 1.6 |
| 90°-100° | 11.2 | 0.2 |
| 100°-110° | 56.3 | 0.8 |
| 110°-120° | 163.0 | 2.4 |
| 120°-130° | 268.1 | 4.0 |
| 130°-140° | 330.6 | 4.9 |
| 140°-150° | 338.2 | 5.1 |
| 150°-160° | 284.9 | 4.3 |
| 160°-170° | 187.6 | 2.8 |
| 170°-180° | 65.0 | 1.0 |
| 0°-90° | 4981.1 | 74.5 |
| 0°-180° | 6686.2 | 100.0 |



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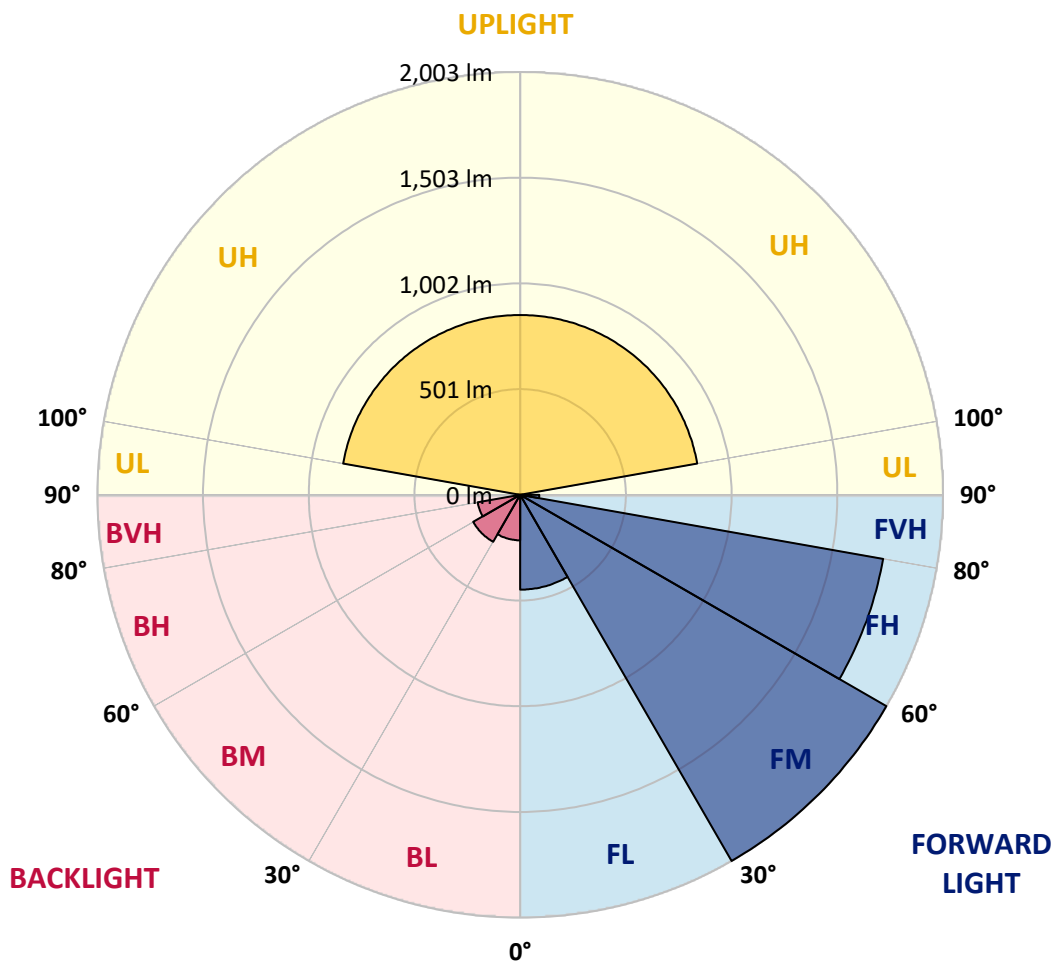
CATALOG NUMBER: IST-AF-1000-LED-E1-SL3-7027-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|---------|---------|
| | | | B | U | G |
| FL (0°-30°) | 449.3 | 6.7 | | | |
| FM (30°-60°) | 2003.4 | 30.0 | | | |
| FH (60°-80°) | 1746.2 | 26.1 | | | G1/1800 |
| FVH (80°-90°) | 90.4 | 1.4 | | | G1/100 |
| BL (0°-30°) | 215.5 | 3.2 | B1/500 | | |
| BM (30°-60°) | 257.0 | 3.8 | B1/1000 | | |
| BH (60°-80°) | 204.4 | 3.1 | B1/500 | | G1/500 |
| BVH (80°-90°) | 14.8 | 0.2 | | | G1/100 |
| UL (90°-100°) | 11.2 | 0.2 | | U2/50 | |
| UH (100°-180°) | 851.8 | 12.7 | | U4/1000 | |

BUG Rating: B1-U5-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 56° | 57° | 58° | 59° | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1353.6 | 1353.6 | 1353.6 | 1353.6 | 1353.6 | 1353.6 | 1353.6 | 1353.6 | 1353.6 | 1353.6 | 1353.6 | 1353.6 |
| 2.5° | 1388.7 | 1384.1 | 1392.6 | 1389.4 | 1391.7 | 1380.2 | 1378.0 | 1375.7 | 1377.2 | 1374.9 | 1374.9 | 1374.9 |
| 5° | 1355.8 | 1353.6 | 1363.4 | 1368.7 | 1373.4 | 1371.8 | 1371.2 | 1371.2 | 1371.8 | 1366.5 | 1367.3 | 1367.3 |
| 7.5° | 1259.5 | 1258.1 | 1271.8 | 1281.7 | 1303.9 | 1316.8 | 1333.6 | 1334.4 | 1336.0 | 1333.6 | 1338.3 | 1338.3 |
| 10° | 1157.3 | 1161.8 | 1174.1 | 1190.1 | 1223.0 | 1242.7 | 1274.9 | 1280.9 | 1283.3 | 1283.9 | 1284.8 | 1284.8 |
| 12.5° | 1059.4 | 1054.9 | 1070.2 | 1100.7 | 1145.0 | 1177.0 | 1217.6 | 1220.5 | 1224.4 | 1229.8 | 1235.1 | 1235.1 |
| 15° | 972.3 | 977.7 | 989.9 | 1022.0 | 1068.6 | 1113.7 | 1166.4 | 1169.4 | 1177.0 | 1181.7 | 1189.3 | 1189.3 |
| 17.5° | 912.8 | 912.8 | 926.5 | 956.3 | 999.8 | 1057.1 | 1123.6 | 1129.0 | 1135.1 | 1141.2 | 1149.7 | 1149.7 |
| 20° | 883.0 | 883.0 | 888.3 | 905.9 | 944.1 | 999.2 | 1079.3 | 1085.4 | 1096.1 | 1103.0 | 1114.4 | 1114.4 |
| 22.5° | 880.7 | 879.9 | 879.2 | 883.0 | 905.9 | 948.7 | 1032.0 | 1040.3 | 1049.5 | 1060.2 | 1070.2 | 1070.2 |
| 25° | 905.1 | 907.5 | 898.2 | 892.2 | 894.4 | 914.4 | 986.9 | 991.5 | 1009.1 | 1015.9 | 1028.1 | 1028.1 |
| 27.5° | 940.3 | 944.1 | 936.4 | 927.3 | 913.6 | 900.6 | 948.7 | 956.3 | 967.7 | 979.2 | 994.5 | 994.5 |
| 30° | 990.7 | 989.9 | 989.1 | 983.0 | 956.3 | 915.8 | 937.2 | 942.6 | 952.6 | 961.6 | 974.6 | 974.6 |
| 32.5° | 1044.9 | 1051.1 | 1055.6 | 1052.5 | 1025.1 | 956.3 | 953.3 | 957.9 | 967.0 | 972.3 | 980.8 | 980.8 |
| 35° | 1115.2 | 1118.3 | 1135.9 | 1135.9 | 1108.3 | 1028.9 | 998.4 | 1002.1 | 1006.7 | 1009.1 | 1015.2 | 1015.2 |
| 37.5° | 1192.4 | 1203.0 | 1229.0 | 1244.3 | 1201.6 | 1119.0 | 1069.4 | 1069.4 | 1071.7 | 1073.1 | 1077.0 | 1077.0 |
| 40° | 1281.7 | 1297.1 | 1332.8 | 1361.9 | 1334.4 | 1231.3 | 1162.6 | 1169.4 | 1167.2 | 1164.1 | 1172.5 | 1172.5 |
| 42.5° | 1385.5 | 1402.4 | 1445.9 | 1473.4 | 1457.4 | 1366.5 | 1287.8 | 1283.3 | 1290.1 | 1280.9 | 1283.9 | 1283.9 |
| 45° | 1506.3 | 1519.2 | 1563.6 | 1592.7 | 1605.6 | 1532.3 | 1452.1 | 1442.9 | 1442.9 | 1423.1 | 1431.4 | 1431.4 |
| 47.5° | 1614.7 | 1618.6 | 1661.3 | 1712.5 | 1754.5 | 1756.1 | 1643.0 | 1636.9 | 1622.4 | 1609.4 | 1606.3 | 1606.3 |
| 50° | 1715.7 | 1727.0 | 1754.5 | 1810.4 | 1898.2 | 1974.6 | 1905.8 | 1886.7 | 1870.6 | 1822.5 | 1837.0 | 1837.0 |
| 52.5° | 1890.6 | 1912.6 | 1930.2 | 1963.9 | 2067.7 | 2222.8 | 2307.6 | 2277.7 | 2274.0 | 2230.4 | 2220.5 | 2220.5 |
| 55° | 1923.3 | 1925.7 | 1983.6 | 2177.7 | 2422.1 | 2533.7 | 2696.4 | 2695.6 | 2707.9 | 2694.1 | 2681.1 | 2681.1 |
| 57.5° | 1769.0 | 1750.8 | 1847.7 | 2103.7 | 2594.8 | 3167.6 | 3117.9 | 3123.4 | 3107.2 | 3065.3 | 3052.4 | 3052.4 |
| 60° | 1378.0 | 1393.2 | 1497.9 | 1824.1 | 2470.2 | 3577.1 | 3904.8 | 3807.7 | 3877.3 | 3768.0 | 3709.2 | 3709.2 |
| 62.5° | 775.2 | 757.7 | 828.8 | 1171.7 | 2026.5 | 3598.4 | 4976.4 | 4987.1 | 5020.6 | 4959.6 | 4816.0 | 4816.0 |
| 65° | 500.4 | 492.7 | 485.8 | 592.7 | 1214.5 | 3147.8 | 5569.1 | 5700.6 | 5779.2 | 5811.2 | 5813.7 | 5813.7 |
| 66° | 430.1 | 423.9 | 415.6 | 485.1 | 846.3 | 2773.4 | 5531.0 | 5671.4 | 5796.9 | 5856.4 | 5873.9 | 5873.9 |
| 67.5° | 365.9 | 356.6 | 355.2 | 401.8 | 588.9 | 2151.7 | 5166.6 | 5387.3 | 5498.2 | 5652.5 | 5736.5 | 5736.5 |
| 70° | 279.6 | 275.0 | 288.7 | 346.7 | 452.2 | 1012.9 | 4117.1 | 4405.1 | 4596.0 | 4716.7 | 4794.6 | 4794.6 |
| 72.5° | 234.5 | 233.0 | 252.1 | 317.0 | 428.5 | 574.4 | 2881.9 | 3191.3 | 3390.7 | 3506.1 | 3612.9 | 3612.9 |
| 75° | 183.3 | 184.8 | 210.0 | 302.5 | 426.2 | 500.4 | 1674.4 | 1969.2 | 2085.2 | 2267.1 | 2406.1 | 2406.1 |
| 77.5° | 137.5 | 135.9 | 155.9 | 244.4 | 415.6 | 507.3 | 870.0 | 992.2 | 1119.7 | 1212.3 | 1245.8 | 1245.8 |
| 80° | 96.3 | 97.7 | 111.5 | 168.1 | 323.9 | 521.6 | 542.4 | 570.6 | 597.4 | 627.1 | 633.2 | 633.2 |
| 82.5° | 64.2 | 64.9 | 82.6 | 115.3 | 224.6 | 498.0 | 506.5 | 493.5 | 472.8 | 446.9 | 418.6 | 418.6 |
| 85° | 39.0 | 40.4 | 58.7 | 78.0 | 174.1 | 450.7 | 524.0 | 489.7 | 458.3 | 423.9 | 389.5 | 389.5 |
| 87.5° | 19.9 | 22.2 | 35.1 | 45.8 | 103.1 | 222.3 | 545.5 | 520.2 | 477.4 | 424.7 | 386.5 | 386.5 |
| 90° | 10.2 | 10.2 | 14.6 | 19.3 | 28.5 | 51.9 | 144.4 | 130.8 | 69.1 | 125.1 | 65.7 | 65.7 |
| 92.5° | 4.0 | 4.0 | 4.9 | 5.9 | 5.9 | 5.9 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 |
| 95° | 4.9 | 4.9 | 5.9 | 6.8 | 6.8 | 6.8 | 6.8 | 7.0 | 7.1 | 7.2 | 7.3 | 7.3 |
| 97.5° | 6.8 | 6.8 | 7.8 | 7.8 | 8.8 | 8.8 | 11.8 | 11.6 | 11.4 | 11.2 | 11.0 | 11.0 |
| 100° | 7.8 | 7.8 | 8.8 | 9.8 | 11.8 | 20.6 | 28.5 | 28.2 | 27.8 | 27.6 | 27.3 | 27.3 |
| 102.5° | 10.8 | 10.8 | 12.8 | 17.7 | 26.5 | 39.3 | 49.0 | 48.8 | 48.5 | 48.1 | 47.9 | 47.9 |
| 105° | 20.6 | 21.6 | 26.5 | 35.3 | 47.1 | 61.8 | 70.7 | 70.4 | 70.2 | 70.1 | 69.9 | 69.9 |
| 107.5° | 40.2 | 41.2 | 48.1 | 57.0 | 71.7 | 86.3 | 93.2 | 93.2 | 93.1 | 93.0 | 92.9 | 92.9 |

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CATALOG NUMBER: IST-AF-1000-LED-E1-SL3-7027-ULG

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 56° | 57° | 58° | 59° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110° | 64.8 | 66.7 | 72.7 | 85.4 | 100.1 | 111.9 | 117.8 | 117.9 | 117.9 | 118.0 | 118.1 |
| 112.5° | 97.2 | 97.2 | 104.0 | 118.8 | 131.5 | 140.3 | 145.3 | 145.4 | 145.6 | 145.9 | 146.1 |
| 115° | 137.4 | 136.5 | 144.3 | 156.0 | 164.9 | 170.8 | 175.7 | 176.0 | 176.2 | 176.6 | 176.9 |
| 117.5° | 180.6 | 180.6 | 185.5 | 193.3 | 198.3 | 201.2 | 207.1 | 207.5 | 207.9 | 208.2 | 208.7 |
| 120° | 220.8 | 218.8 | 221.8 | 228.7 | 232.6 | 238.5 | 241.5 | 241.8 | 242.3 | 242.6 | 243.0 |
| 122.5° | 258.2 | 255.2 | 256.2 | 262.0 | 266.0 | 271.8 | 273.8 | 274.3 | 274.6 | 275.0 | 275.4 |
| 125° | 292.5 | 288.5 | 290.5 | 293.5 | 299.3 | 304.3 | 307.2 | 307.4 | 307.6 | 307.8 | 308.0 |
| 127.5° | 323.9 | 322.9 | 322.9 | 326.8 | 332.7 | 333.7 | 338.6 | 338.8 | 338.8 | 338.9 | 339.0 |
| 130° | 356.3 | 354.3 | 355.3 | 359.2 | 363.2 | 365.1 | 370.0 | 370.4 | 370.8 | 371.2 | 371.6 |
| 132.5° | 388.7 | 386.7 | 385.7 | 393.5 | 396.5 | 397.5 | 403.4 | 403.9 | 404.3 | 404.9 | 405.3 |
| 135° | 421.0 | 418.1 | 418.1 | 424.0 | 427.0 | 428.9 | 434.8 | 435.3 | 435.8 | 436.3 | 436.8 |
| 137.5° | 451.5 | 448.5 | 450.5 | 451.5 | 455.4 | 459.3 | 464.2 | 464.4 | 464.6 | 464.9 | 465.1 |
| 140° | 479.0 | 476.0 | 478.0 | 480.0 | 481.9 | 487.8 | 490.7 | 490.9 | 491.1 | 491.4 | 491.6 |
| 142.5° | 508.4 | 505.5 | 507.5 | 508.4 | 511.3 | 515.3 | 517.2 | 517.9 | 518.4 | 519.0 | 519.6 |
| 145° | 539.8 | 535.9 | 534.0 | 536.8 | 539.8 | 540.8 | 545.7 | 546.3 | 546.9 | 547.4 | 548.1 |
| 147.5° | 564.3 | 561.4 | 560.5 | 563.3 | 563.3 | 564.3 | 569.3 | 569.7 | 570.2 | 570.7 | 571.2 |
| 150° | 584.0 | 581.0 | 582.0 | 582.0 | 582.0 | 582.0 | 586.0 | 586.2 | 586.5 | 586.9 | 587.1 |
| 152.5° | 599.7 | 596.7 | 596.7 | 597.7 | 598.7 | 598.7 | 599.7 | 600.0 | 600.2 | 600.6 | 600.9 |
| 155° | 617.3 | 613.5 | 613.5 | 615.4 | 618.3 | 616.3 | 614.4 | 614.9 | 615.4 | 615.9 | 616.3 |
| 157.5° | 634.0 | 631.1 | 631.1 | 632.0 | 634.0 | 633.0 | 632.0 | 632.5 | 632.9 | 633.2 | 633.7 |
| 160° | 650.7 | 647.8 | 646.8 | 643.8 | 642.8 | 642.8 | 645.8 | 646.4 | 647.0 | 647.6 | 648.1 |
| 162.5° | 660.5 | 656.6 | 656.6 | 652.7 | 648.8 | 650.7 | 654.7 | 655.0 | 655.4 | 655.9 | 656.2 |
| 165° | 668.4 | 665.5 | 663.5 | 663.5 | 660.5 | 660.5 | 659.5 | 660.1 | 660.5 | 661.1 | 661.5 |
| 167.5° | 677.2 | 674.3 | 671.3 | 673.3 | 675.3 | 672.3 | 665.5 | 666.0 | 666.6 | 667.2 | 667.8 |
| 170° | 685.0 | 682.2 | 679.2 | 679.2 | 680.2 | 678.2 | 673.3 | 673.5 | 673.9 | 674.2 | 674.4 |
| 172.5° | 686.0 | 684.1 | 682.2 | 680.2 | 677.2 | 677.2 | 676.2 | 676.5 | 676.9 | 677.1 | 677.4 |
| 175° | 687.0 | 685.0 | 684.1 | 682.2 | 678.2 | 677.2 | 677.2 | 677.7 | 678.2 | 678.7 | 679.2 |
| 177.5° | 693.9 | 692.0 | 687.0 | 686.0 | 684.1 | 682.2 | 681.2 | 681.6 | 682.2 | 682.6 | 683.1 |
| 180° | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 |



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CATALOG NUMBER: IST-AF-1000-LED-E1-SL3-7027-ULG

CANDELA DISTRIBUTION (continued):

| | 60° | 61° | 62° | 63° | 64° | 65° | 66° | 67° | 68° | 69° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1353.6 | 1353.6 | 1353.6 | 1353.6 | 1353.6 | 1353.6 | 1353.6 | 1353.6 | 1353.6 | 1353.6 | 1353.6 |
| 2.5° | 1374.1 | 1375.7 | 1374.1 | 1371.8 | 1374.1 | 1371.8 | 1371.2 | 1370.4 | 1371.2 | 1369.6 | 1368.7 |
| 5° | 1367.3 | 1368.7 | 1368.7 | 1364.3 | 1363.4 | 1366.5 | 1361.9 | 1363.4 | 1361.9 | 1360.4 | 1357.4 |
| 7.5° | 1334.4 | 1335.2 | 1336.0 | 1332.8 | 1335.2 | 1335.2 | 1333.6 | 1333.6 | 1332.2 | 1332.8 | 1329.9 |
| 10° | 1288.6 | 1291.7 | 1294.6 | 1293.2 | 1292.4 | 1299.3 | 1296.3 | 1298.5 | 1298.5 | 1296.3 | 1297.1 |
| 12.5° | 1238.9 | 1244.3 | 1248.1 | 1248.1 | 1251.2 | 1258.9 | 1258.1 | 1259.5 | 1265.7 | 1265.7 | 1263.4 |
| 15° | 1193.1 | 1198.5 | 1204.5 | 1209.2 | 1215.2 | 1220.5 | 1224.4 | 1230.6 | 1233.6 | 1233.6 | 1237.4 |
| 17.5° | 1157.3 | 1164.8 | 1171.7 | 1174.1 | 1182.3 | 1191.6 | 1193.8 | 1201.6 | 1206.2 | 1208.4 | 1213.0 |
| 20° | 1122.2 | 1130.4 | 1138.9 | 1146.6 | 1154.1 | 1164.8 | 1170.2 | 1174.8 | 1182.3 | 1187.0 | 1193.8 |
| 22.5° | 1080.8 | 1093.9 | 1104.6 | 1113.7 | 1126.7 | 1135.9 | 1146.6 | 1154.1 | 1163.3 | 1170.2 | 1175.5 |
| 25° | 1041.9 | 1059.4 | 1073.9 | 1083.2 | 1100.7 | 1113.7 | 1126.7 | 1138.2 | 1149.7 | 1159.5 | 1167.2 |
| 27.5° | 1006.0 | 1025.9 | 1043.4 | 1057.9 | 1077.0 | 1097.5 | 1110.7 | 1129.7 | 1145.0 | 1158.7 | 1167.9 |
| 30° | 988.5 | 1005.2 | 1023.6 | 1040.3 | 1059.4 | 1085.4 | 1106.8 | 1131.2 | 1150.3 | 1167.9 | 1181.7 |
| 32.5° | 992.2 | 1007.4 | 1023.6 | 1038.0 | 1057.9 | 1086.9 | 1109.0 | 1137.3 | 1165.6 | 1188.5 | 1206.2 |
| 35° | 1022.8 | 1036.6 | 1047.2 | 1060.2 | 1077.8 | 1100.0 | 1123.6 | 1153.4 | 1188.5 | 1219.1 | 1242.0 |
| 37.5° | 1086.9 | 1090.7 | 1101.4 | 1111.5 | 1120.5 | 1141.2 | 1163.3 | 1188.5 | 1229.0 | 1261.1 | 1293.2 |
| 40° | 1166.4 | 1176.3 | 1186.2 | 1190.8 | 1201.6 | 1214.5 | 1224.4 | 1251.2 | 1287.1 | 1329.1 | 1364.3 |
| 42.5° | 1284.8 | 1288.6 | 1290.1 | 1291.7 | 1295.4 | 1304.7 | 1319.1 | 1343.5 | 1378.7 | 1416.2 | 1455.2 |
| 45° | 1417.6 | 1422.3 | 1426.9 | 1429.1 | 1423.8 | 1429.1 | 1444.5 | 1455.8 | 1490.3 | 1525.4 | 1575.1 |
| 47.5° | 1601.8 | 1588.0 | 1581.2 | 1590.3 | 1585.8 | 1597.2 | 1604.0 | 1610.9 | 1652.3 | 1694.2 | 1736.2 |
| 50° | 1837.8 | 1829.4 | 1818.7 | 1819.4 | 1827.9 | 1820.2 | 1824.7 | 1850.0 | 1863.7 | 1898.8 | 1954.6 |
| 52.5° | 2215.1 | 2189.2 | 2148.7 | 2131.0 | 2141.0 | 2134.9 | 2137.2 | 2142.5 | 2133.5 | 2166.3 | 2213.6 |
| 55° | 2681.1 | 2647.5 | 2620.7 | 2605.4 | 2548.9 | 2544.4 | 2506.9 | 2493.2 | 2463.4 | 2494.8 | 2484.0 |
| 57.5° | 3013.4 | 2992.0 | 2978.2 | 2932.3 | 2906.4 | 2854.5 | 2839.3 | 2820.9 | 2779.6 | 2800.3 | 2818.5 |
| 60° | 3654.9 | 3578.6 | 3552.5 | 3472.4 | 3445.7 | 3396.0 | 3332.6 | 3301.3 | 3279.9 | 3299.7 | 3287.5 |
| 62.5° | 4725.8 | 4619.7 | 4599.1 | 4408.9 | 4362.3 | 4247.7 | 4128.6 | 4112.5 | 4045.2 | 4003.3 | 3993.3 |
| 65° | 5771.6 | 5619.5 | 5505.7 | 5298.0 | 5157.5 | 4993.9 | 4812.2 | 4679.3 | 4542.5 | 4473.8 | 4382.9 |
| 66° | 5849.5 | 5789.1 | 5674.5 | 5553.1 | 5348.4 | 5169.7 | 4963.5 | 4819.9 | 4666.2 | 4545.6 | 4467.7 |
| 67.5° | 5716.5 | 5684.6 | 5644.1 | 5561.6 | 5433.2 | 5266.7 | 5071.1 | 4887.8 | 4703.0 | 4560.9 | 4436.4 |
| 70° | 4832.1 | 4867.2 | 4913.0 | 4891.6 | 4818.3 | 4753.4 | 4580.7 | 4478.4 | 4339.4 | 4153.0 | 4076.6 |
| 72.5° | 3647.4 | 3741.4 | 3709.2 | 3588.5 | 3532.0 | 3487.0 | 3424.2 | 3355.6 | 3156.1 | 3133.3 | 3043.2 |
| 75° | 2346.6 | 2315.2 | 2335.9 | 2189.2 | 2089.1 | 2047.9 | 1898.8 | 1837.8 | 1688.1 | 1591.1 | 1517.0 |
| 77.5° | 1236.7 | 1175.5 | 1128.2 | 999.2 | 906.7 | 852.4 | 779.9 | 694.3 | 563.0 | 555.3 | 435.4 |
| 80° | 573.7 | 527.0 | 484.3 | 439.2 | 394.2 | 334.6 | 290.2 | 236.8 | 209.2 | 179.5 | 167.3 |
| 82.5° | 389.5 | 359.8 | 333.8 | 304.0 | 269.6 | 228.3 | 197.1 | 167.3 | 142.8 | 128.3 | 116.9 |
| 85° | 352.9 | 320.9 | 291.8 | 254.4 | 218.5 | 184.2 | 150.5 | 124.5 | 101.6 | 88.7 | 80.9 |
| 87.5° | 343.0 | 303.3 | 272.6 | 232.2 | 197.1 | 162.0 | 129.9 | 100.8 | 78.7 | 64.2 | 55.0 |
| 90° | 51.5 | 54.7 | 41.8 | 40.5 | 22.4 | 26.4 | 21.8 | 16.5 | 17.2 | 14.9 | 15.7 |
| 92.5° | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.7 | 6.6 | 6.6 | 6.5 | 6.4 |
| 95° | 7.4 | 7.5 | 7.5 | 7.6 | 7.7 | 7.8 | 7.7 | 7.6 | 7.5 | 7.5 | 7.4 |
| 97.5° | 10.8 | 10.6 | 10.4 | 10.2 | 10.0 | 9.8 | 9.7 | 9.6 | 9.5 | 9.4 | 9.3 |
| 100° | 26.9 | 26.7 | 26.4 | 26.1 | 25.8 | 25.5 | 25.2 | 25.0 | 24.6 | 24.3 | 24.1 |
| 102.5° | 47.6 | 47.3 | 47.0 | 46.7 | 46.4 | 46.2 | 45.6 | 45.2 | 44.6 | 44.2 | 43.7 |
| 105° | 69.7 | 69.5 | 69.3 | 69.1 | 68.9 | 68.7 | 68.2 | 67.7 | 67.2 | 66.7 | 66.3 |
| 107.5° | 92.7 | 92.6 | 92.5 | 92.4 | 92.3 | 92.3 | 91.9 | 91.4 | 91.1 | 90.7 | 90.3 |



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CATALOG NUMBER: IST-AF-1000-LED-E1-SL3-7027-ULG

CANDELA DISTRIBUTION (continued):

| | 60° | 61° | 62° | 63° | 64° | 65° | 66° | 67° | 68° | 69° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110° | 118.3 | 118.4 | 118.5 | 118.6 | 118.7 | 118.8 | 118.6 | 118.4 | 118.1 | 117.9 | 117.8 |
| 112.5° | 146.2 | 146.4 | 146.6 | 146.9 | 147.1 | 147.2 | 147.1 | 147.1 | 147.0 | 146.9 | 146.7 |
| 115° | 177.1 | 177.4 | 177.8 | 178.0 | 178.3 | 178.7 | 178.3 | 178.0 | 177.8 | 177.4 | 177.1 |
| 117.5° | 209.0 | 209.5 | 209.8 | 210.2 | 210.7 | 211.0 | 210.6 | 210.0 | 209.6 | 209.0 | 208.6 |
| 120° | 243.4 | 243.8 | 244.2 | 244.6 | 245.0 | 245.3 | 244.9 | 244.4 | 243.9 | 243.4 | 242.9 |
| 122.5° | 275.8 | 276.2 | 276.6 | 276.9 | 277.4 | 277.8 | 277.3 | 276.8 | 276.3 | 275.8 | 275.3 |
| 125° | 308.2 | 308.4 | 308.6 | 308.7 | 308.9 | 309.2 | 308.7 | 308.2 | 307.7 | 307.2 | 306.7 |
| 127.5° | 339.1 | 339.2 | 339.3 | 339.4 | 339.5 | 339.6 | 339.6 | 339.6 | 339.6 | 339.6 | 339.6 |
| 130° | 372.0 | 372.3 | 372.8 | 373.2 | 373.5 | 374.0 | 374.0 | 374.0 | 374.0 | 374.0 | 374.0 |
| 132.5° | 405.9 | 406.3 | 406.8 | 407.3 | 407.8 | 408.3 | 408.1 | 407.9 | 407.7 | 407.5 | 407.3 |
| 135° | 437.3 | 437.7 | 438.2 | 438.7 | 439.2 | 439.7 | 439.6 | 439.5 | 439.5 | 439.3 | 439.2 |
| 137.5° | 465.2 | 465.4 | 465.6 | 465.8 | 466.0 | 466.2 | 466.3 | 466.4 | 466.5 | 466.6 | 466.7 |
| 140° | 491.7 | 491.9 | 492.1 | 492.3 | 492.5 | 492.7 | 492.9 | 493.1 | 493.3 | 493.5 | 493.7 |
| 142.5° | 520.2 | 520.7 | 521.4 | 521.9 | 522.5 | 523.2 | 523.2 | 523.2 | 523.2 | 523.2 | 523.2 |
| 145° | 548.7 | 549.2 | 549.9 | 550.4 | 551.0 | 551.6 | 551.5 | 551.4 | 551.3 | 551.2 | 551.1 |
| 147.5° | 571.7 | 572.2 | 572.7 | 573.2 | 573.7 | 574.2 | 574.3 | 574.4 | 574.5 | 574.6 | 574.6 |
| 150° | 587.4 | 587.7 | 588.0 | 588.3 | 588.6 | 588.9 | 589.2 | 589.5 | 589.7 | 590.1 | 590.4 |
| 152.5° | 601.1 | 601.4 | 601.8 | 602.0 | 602.3 | 602.7 | 603.0 | 603.4 | 603.8 | 604.2 | 604.6 |
| 155° | 616.9 | 617.3 | 617.9 | 618.3 | 618.8 | 619.3 | 619.8 | 620.3 | 620.8 | 621.3 | 621.8 |
| 157.5° | 634.0 | 634.5 | 634.8 | 635.2 | 635.6 | 636.0 | 636.2 | 636.4 | 636.6 | 636.8 | 637.0 |
| 160° | 648.8 | 649.4 | 649.9 | 650.6 | 651.1 | 651.7 | 651.5 | 651.1 | 650.8 | 650.6 | 650.2 |
| 162.5° | 656.6 | 657.0 | 657.4 | 657.8 | 658.2 | 658.5 | 658.5 | 658.4 | 658.3 | 658.2 | 658.1 |
| 165° | 662.1 | 662.5 | 662.9 | 663.5 | 663.9 | 664.5 | 664.7 | 665.0 | 665.4 | 665.6 | 665.9 |
| 167.5° | 668.4 | 669.0 | 669.6 | 670.1 | 670.8 | 671.3 | 671.8 | 672.1 | 672.5 | 672.9 | 673.3 |
| 170° | 674.8 | 675.1 | 675.3 | 675.6 | 676.0 | 676.2 | 676.7 | 677.2 | 677.7 | 678.2 | 678.7 |
| 172.5° | 677.7 | 678.0 | 678.3 | 678.6 | 678.8 | 679.2 | 679.4 | 679.6 | 679.7 | 679.9 | 680.2 |
| 175° | 679.7 | 680.2 | 680.6 | 681.2 | 681.6 | 682.2 | 682.3 | 682.4 | 682.4 | 682.5 | 682.6 |
| 177.5° | 683.6 | 684.1 | 684.6 | 685.0 | 685.6 | 686.0 | 686.2 | 686.5 | 686.7 | 686.8 | 687.0 |
| 180° | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 |



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CANDELA DISTRIBUTION (continued):

| | 71° | 72° | 73° | 74° | 75° | 76° | 77° | 78° | 79° | 80° | 81° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1353.6 | 1353.6 | 1353.6 | 1353.6 | 1353.6 | 1353.6 | 1353.6 | 1353.6 | 1353.6 | 1353.6 | 1353.6 |
| 2.5° | 1367.3 | 1365.0 | 1367.3 | 1366.5 | 1363.4 | 1364.3 | 1365.0 | 1361.9 | 1360.4 | 1360.4 | 1359.7 |
| 5° | 1355.0 | 1353.6 | 1355.0 | 1354.3 | 1349.7 | 1349.0 | 1349.0 | 1346.6 | 1343.5 | 1341.3 | 1339.8 |
| 7.5° | 1326.0 | 1327.5 | 1326.8 | 1324.6 | 1322.2 | 1322.2 | 1319.9 | 1314.6 | 1311.5 | 1308.4 | 1305.3 |
| 10° | 1293.2 | 1293.2 | 1294.0 | 1293.2 | 1289.3 | 1287.8 | 1284.8 | 1281.7 | 1282.5 | 1274.9 | 1268.8 |
| 12.5° | 1264.2 | 1264.2 | 1263.4 | 1261.8 | 1259.5 | 1258.9 | 1258.9 | 1249.6 | 1247.4 | 1245.1 | 1238.1 |
| 15° | 1236.7 | 1238.1 | 1238.1 | 1238.1 | 1234.5 | 1234.5 | 1230.6 | 1224.4 | 1224.4 | 1217.6 | 1210.6 |
| 17.5° | 1215.2 | 1217.6 | 1216.8 | 1217.6 | 1218.3 | 1213.7 | 1206.9 | 1203.0 | 1198.5 | 1194.7 | 1185.4 |
| 20° | 1196.9 | 1198.5 | 1199.2 | 1199.2 | 1196.9 | 1193.8 | 1187.8 | 1181.7 | 1178.6 | 1171.0 | 1159.5 |
| 22.5° | 1180.1 | 1183.2 | 1184.0 | 1184.0 | 1180.9 | 1178.6 | 1172.5 | 1163.3 | 1157.3 | 1148.0 | 1137.3 |
| 25° | 1173.3 | 1177.0 | 1174.8 | 1176.3 | 1173.3 | 1167.9 | 1159.5 | 1151.9 | 1142.7 | 1131.2 | 1119.7 |
| 27.5° | 1175.5 | 1180.9 | 1179.4 | 1178.6 | 1174.8 | 1171.0 | 1160.3 | 1151.1 | 1140.4 | 1126.7 | 1112.1 |
| 30° | 1189.3 | 1198.5 | 1194.7 | 1191.6 | 1190.8 | 1181.7 | 1171.7 | 1158.7 | 1146.6 | 1130.4 | 1113.7 |
| 32.5° | 1215.2 | 1219.9 | 1220.5 | 1218.3 | 1214.5 | 1206.9 | 1193.1 | 1176.3 | 1162.6 | 1143.5 | 1123.6 |
| 35° | 1258.1 | 1262.7 | 1261.1 | 1261.1 | 1257.3 | 1245.1 | 1228.3 | 1211.5 | 1192.4 | 1171.0 | 1150.3 |
| 37.5° | 1317.6 | 1326.0 | 1324.6 | 1321.5 | 1316.8 | 1302.4 | 1289.3 | 1268.8 | 1247.4 | 1219.1 | 1195.5 |
| 40° | 1392.6 | 1405.5 | 1417.0 | 1414.7 | 1403.9 | 1390.9 | 1378.7 | 1355.0 | 1333.6 | 1302.4 | 1276.4 |
| 42.5° | 1493.3 | 1510.9 | 1525.4 | 1536.1 | 1531.5 | 1514.7 | 1493.3 | 1483.4 | 1452.8 | 1420.7 | 1394.0 |
| 45° | 1622.4 | 1659.1 | 1672.0 | 1685.0 | 1685.0 | 1674.4 | 1669.8 | 1649.8 | 1617.8 | 1575.1 | 1549.8 |
| 47.5° | 1792.7 | 1841.6 | 1856.2 | 1878.3 | 1891.3 | 1879.8 | 1871.3 | 1837.8 | 1816.5 | 1757.6 | 1751.4 |
| 50° | 1999.8 | 2048.7 | 2088.3 | 2114.3 | 2110.5 | 2120.4 | 2100.6 | 2081.5 | 2051.7 | 2003.6 | 1986.7 |
| 52.5° | 2264.0 | 2303.0 | 2338.8 | 2354.2 | 2370.2 | 2367.9 | 2363.4 | 2350.3 | 2312.9 | 2286.9 | 2244.1 |
| 55° | 2535.2 | 2567.3 | 2610.8 | 2636.0 | 2656.6 | 2652.9 | 2635.3 | 2604.0 | 2610.8 | 2556.6 | 2533.0 |
| 57.5° | 2843.8 | 2878.9 | 2926.3 | 2949.9 | 2959.1 | 3005.7 | 2994.2 | 2990.5 | 2977.4 | 2958.4 | 2934.0 |
| 60° | 3374.7 | 3384.5 | 3423.5 | 3483.1 | 3556.4 | 3541.9 | 3560.3 | 3572.5 | 3581.6 | 3538.9 | 3535.8 |
| 62.5° | 4007.1 | 4019.4 | 4053.0 | 4065.2 | 4075.9 | 4077.4 | 4053.0 | 4053.0 | 4010.9 | 3956.0 | 3913.2 |
| 65° | 4352.4 | 4327.1 | 4304.2 | 4291.2 | 4263.0 | 4237.8 | 4201.1 | 4151.4 | 4080.4 | 3995.6 | 3919.2 |
| 66° | 4402.1 | 4350.9 | 4321.0 | 4288.1 | 4243.1 | 4196.5 | 4153.0 | 4085.0 | 4001.8 | 3900.9 | 3800.1 |
| 67.5° | 4353.8 | 4283.6 | 4214.1 | 4166.0 | 4103.4 | 4019.4 | 3942.9 | 3863.5 | 3784.8 | 3646.6 | 3552.5 |
| 70° | 3914.6 | 3830.6 | 3754.3 | 3648.8 | 3549.6 | 3467.1 | 3335.7 | 3197.4 | 3083.6 | 2938.4 | 2846.1 |
| 72.5° | 2907.2 | 2807.9 | 2708.6 | 2560.3 | 2416.0 | 2394.6 | 2229.6 | 2066.9 | 1979.9 | 1863.1 | 1769.0 |
| 75° | 1436.0 | 1310.8 | 1132.8 | 1053.4 | 938.0 | 881.5 | 850.2 | 732.5 | 704.2 | 588.9 | 587.4 |
| 77.5° | 405.7 | 348.4 | 309.4 | 269.6 | 252.9 | 240.6 | 198.5 | 190.2 | 172.7 | 169.6 | 159.7 |
| 80° | 153.5 | 145.2 | 141.3 | 137.5 | 133.7 | 131.4 | 129.9 | 123.8 | 120.7 | 116.2 | 113.8 |
| 82.5° | 110.7 | 107.7 | 100.8 | 98.5 | 95.5 | 90.9 | 90.1 | 86.2 | 84.0 | 79.4 | 78.0 |
| 85° | 74.9 | 71.1 | 67.2 | 63.4 | 61.8 | 61.2 | 58.7 | 57.3 | 55.8 | 53.4 | 52.7 |
| 87.5° | 50.5 | 46.6 | 42.0 | 40.4 | 39.7 | 40.4 | 41.2 | 39.7 | 39.0 | 37.4 | 36.7 |
| 90° | 14.9 | 17.2 | 16.5 | 16.5 | 18.0 | 16.3 | 16.1 | 16.7 | 15.7 | 15.5 | 14.6 |
| 92.5° | 6.3 | 6.2 | 6.1 | 6.0 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 |
| 95° | 7.3 | 7.2 | 7.1 | 7.0 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 |
| 97.5° | 9.3 | 9.2 | 9.1 | 8.9 | 8.8 | 8.7 | 8.6 | 8.5 | 8.4 | 8.4 | 8.3 |
| 100° | 23.7 | 23.4 | 23.2 | 22.9 | 22.5 | 22.2 | 21.8 | 21.4 | 21.0 | 20.6 | 20.2 |
| 102.5° | 43.2 | 42.7 | 42.2 | 41.7 | 41.2 | 41.0 | 40.6 | 40.3 | 40.1 | 39.7 | 39.4 |
| 105° | 65.8 | 65.3 | 64.8 | 64.3 | 63.8 | 63.4 | 63.0 | 62.6 | 62.3 | 61.8 | 61.4 |
| 107.5° | 89.9 | 89.5 | 89.1 | 88.8 | 88.3 | 88.0 | 87.8 | 87.5 | 87.1 | 86.9 | 86.6 |



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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

| | 71° | 72° | 73° | 74° | 75° | 76° | 77° | 78° | 79° | 80° | 81° | |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 110° | 117.6 | 117.4 | 117.2 | 117.0 | 116.8 | 116.5 | 116.2 | 115.9 | 115.6 | 115.3 | 115.1 | 0° |
| 112.5° | 146.6 | 146.5 | 146.4 | 146.3 | 146.2 | 146.1 | 145.9 | 145.6 | 145.4 | 145.3 | 145.1 | 2.5° |
| 115° | 176.9 | 176.6 | 176.2 | 176.0 | 175.7 | 175.5 | 175.3 | 175.1 | 174.9 | 174.7 | 174.5 | 5° |
| 117.5° | 208.0 | 207.6 | 207.1 | 206.6 | 206.1 | 205.9 | 205.7 | 205.5 | 205.4 | 205.2 | 204.9 | 7.5° |
| 120° | 242.5 | 241.9 | 241.5 | 240.9 | 240.5 | 240.3 | 240.0 | 239.8 | 239.7 | 239.5 | 239.3 | 10° |
| 122.5° | 274.8 | 274.3 | 273.8 | 273.4 | 272.8 | 272.6 | 272.5 | 272.3 | 272.1 | 271.8 | 271.6 | 12.5° |
| 125° | 306.2 | 305.7 | 305.2 | 304.7 | 304.3 | 304.3 | 304.3 | 304.3 | 304.3 | 304.3 | 304.3 | 15° |
| 127.5° | 339.6 | 339.6 | 339.6 | 339.6 | 339.6 | 339.5 | 339.4 | 339.3 | 339.2 | 339.1 | 339.0 | 17.5° |
| 130° | 374.0 | 374.0 | 374.0 | 374.0 | 374.0 | 373.8 | 373.5 | 373.3 | 373.2 | 373.0 | 372.8 | 20° |
| 132.5° | 407.1 | 406.9 | 406.8 | 406.6 | 406.3 | 406.3 | 406.3 | 406.3 | 406.3 | 406.3 | 406.3 | 22.5° |
| 135° | 439.1 | 439.0 | 438.9 | 438.8 | 438.7 | 439.0 | 439.3 | 439.6 | 439.9 | 440.2 | 440.5 | 25° |
| 137.5° | 466.8 | 466.8 | 467.0 | 467.1 | 467.2 | 467.7 | 468.2 | 468.6 | 469.2 | 469.6 | 470.2 | 27.5° |
| 140° | 493.9 | 494.1 | 494.2 | 494.4 | 494.7 | 495.1 | 495.7 | 496.1 | 496.7 | 497.1 | 497.6 | 30° |
| 142.5° | 523.2 | 523.2 | 523.2 | 523.2 | 523.2 | 523.3 | 523.4 | 523.4 | 523.5 | 523.6 | 523.7 | 32.5° |
| 145° | 551.0 | 550.9 | 550.8 | 550.8 | 550.6 | 550.3 | 550.0 | 549.8 | 549.4 | 549.1 | 548.9 | 35° |
| 147.5° | 574.7 | 574.8 | 574.9 | 575.1 | 575.2 | 574.8 | 574.6 | 574.3 | 573.9 | 573.7 | 573.4 | 37.5° |
| 150° | 590.6 | 590.9 | 591.3 | 591.5 | 591.8 | 592.2 | 592.4 | 592.7 | 593.0 | 593.3 | 593.6 | 40° |
| 152.5° | 605.0 | 605.4 | 605.7 | 606.2 | 606.5 | 607.1 | 607.5 | 608.1 | 608.5 | 609.1 | 609.5 | 42.5° |
| 155° | 622.3 | 622.7 | 623.2 | 623.7 | 624.2 | 624.4 | 624.6 | 624.8 | 625.0 | 625.2 | 625.4 | 45° |
| 157.5° | 637.2 | 637.3 | 637.5 | 637.8 | 638.0 | 638.0 | 638.0 | 638.0 | 638.0 | 638.0 | 638.0 | 47.5° |
| 160° | 649.9 | 649.7 | 649.4 | 649.0 | 648.8 | 648.7 | 648.6 | 648.5 | 648.4 | 648.3 | 648.1 | 50° |
| 162.5° | 658.0 | 657.9 | 657.8 | 657.6 | 657.6 | 657.4 | 657.2 | 657.0 | 656.8 | 656.6 | 656.4 | 52.5° |
| 165° | 666.3 | 666.5 | 666.8 | 667.1 | 667.4 | 667.2 | 667.0 | 666.8 | 666.6 | 666.5 | 666.3 | 55° |
| 167.5° | 673.7 | 674.1 | 674.4 | 674.9 | 675.3 | 675.3 | 675.3 | 675.3 | 675.3 | 675.3 | 675.3 | 57.5° |
| 170° | 679.2 | 679.7 | 680.2 | 680.6 | 681.2 | 681.4 | 681.5 | 681.7 | 681.9 | 682.2 | 682.4 | 60° |
| 172.5° | 680.4 | 680.6 | 680.7 | 680.9 | 681.2 | 681.4 | 681.5 | 681.7 | 681.9 | 682.2 | 682.4 | 62.5° |
| 175° | 682.7 | 682.8 | 682.9 | 683.0 | 683.1 | 682.9 | 682.7 | 682.5 | 682.4 | 682.2 | 681.9 | 65° |
| 177.5° | 687.2 | 687.5 | 687.7 | 687.8 | 688.0 | 687.7 | 687.5 | 687.1 | 686.8 | 686.6 | 686.2 | 66° |
| 180° | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 67.5° |
| | | | | | | | | | | | | 70° |
| | | | | | | | | | | | | 72.5° |
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| | | | | | | | | | | | | 77.5° |
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| | | | | | | | | | | | | 90° |
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| | | | | | | | | | | | | 95° |
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| | | | | | | | | | | | | 100° |
| | | | | | | | | | | | | 102.5° |
| | | | | | | | | | | | | 105° |
| | | | | | | | | | | | | 107.5° |

NUMBER: P271733
 NUMBER: IST-AF-1000-LED-E1-SL3-7027-ULG

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

| 82° | 83° | 84° | 85° | 86° | 87° | 88° | 89° | 90° | 95° | 105° | 110° | 114.7 |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 1353.6 | 1353.6 | 1353.6 | 1353.6 | 1353.6 | 1353.6 | 1353.6 | 1353.6 | 1353.6 | 1353.6 | 1353.6 | 110° | 114.7 |
| 1358.1 | 1355.8 | 1356.6 | 1353.6 | 1352.8 | 1354.3 | 1355.0 | 1355.0 | 1352.8 | 1339.0 | 1322.9 | 112.5° | 144.9 |
| 1338.3 | 1333.6 | 1332.8 | 1330.6 | 1326.8 | 1331.4 | 1329.1 | 1325.3 | 1320.7 | 1304.7 | 1273.3 | 115° | 174.3 |
| 1301.6 | 1298.5 | 1294.6 | 1291.7 | 1289.3 | 1287.8 | 1287.1 | 1283.3 | 1274.9 | 1245.1 | 1192.4 | 117.5° | 204.7 |
| 1266.4 | 1262.7 | 1258.1 | 1251.2 | 1248.1 | 1243.5 | 1243.5 | 1234.5 | 1228.3 | 1190.8 | 1112.9 | 120° | 239.1 |
| 1232.0 | 1225.2 | 1223.0 | 1218.3 | 1209.9 | 1206.2 | 1200.8 | 1191.6 | 1182.3 | 1137.3 | 1034.9 | 122.5° | 271.5 |
| 1206.2 | 1199.2 | 1189.3 | 1186.2 | 1177.0 | 1168.7 | 1161.8 | 1149.7 | 1139.7 | 1080.0 | 953.3 | 125° | 304.3 |
| 1177.9 | 1172.5 | 1161.8 | 1155.0 | 1145.0 | 1135.1 | 1123.6 | 1108.3 | 1101.4 | 1025.9 | 875.4 | 127.5° | 338.9 |
| 1155.0 | 1142.7 | 1130.4 | 1124.4 | 1112.1 | 1100.7 | 1089.3 | 1070.9 | 1057.1 | 972.3 | 792.8 | 130° | 372.5 |
| 1128.2 | 1117.5 | 1104.6 | 1093.9 | 1077.0 | 1064.0 | 1051.1 | 1032.0 | 1015.2 | 918.2 | 709.6 | 132.5° | 406.3 |
| 1109.9 | 1094.6 | 1080.8 | 1068.6 | 1049.5 | 1034.3 | 1015.9 | 995.3 | 978.4 | 866.1 | 617.9 | 135° | 440.8 |
| 1099.2 | 1083.9 | 1066.3 | 1051.1 | 1028.9 | 1011.3 | 991.5 | 968.6 | 947.2 | 824.1 | 531.7 | 137.5° | 470.6 |
| 1096.1 | 1077.8 | 1059.4 | 1040.3 | 1017.4 | 995.3 | 971.6 | 948.7 | 921.2 | 783.7 | 437.7 | 140° | 498.1 |
| 1105.3 | 1083.2 | 1062.4 | 1039.6 | 1012.9 | 987.7 | 964.0 | 934.1 | 906.7 | 748.6 | 345.3 | 142.5° | 523.8 |
| 1130.4 | 1103.7 | 1080.0 | 1054.9 | 1024.2 | 996.8 | 968.6 | 935.0 | 904.4 | 724.1 | 264.3 | 145° | 548.5 |
| 1170.2 | 1145.0 | 1117.5 | 1092.2 | 1057.1 | 1026.7 | 995.3 | 959.4 | 922.6 | 714.2 | 199.3 | 147.5° | 573.1 |
| 1250.4 | 1216.8 | 1188.5 | 1161.8 | 1121.4 | 1090.0 | 1054.1 | 1010.5 | 969.3 | 723.3 | 166.5 | 150° | 593.9 |
| 1362.7 | 1320.7 | 1294.6 | 1271.0 | 1220.5 | 1186.2 | 1145.0 | 1095.3 | 1048.7 | 749.4 | 146.6 | 152.5° | 609.9 |
| 1517.8 | 1485.7 | 1439.1 | 1402.4 | 1351.2 | 1313.1 | 1267.1 | 1207.6 | 1155.7 | 785.9 | 136.7 | 155° | 625.6 |
| 1711.8 | 1669.8 | 1624.0 | 1586.5 | 1530.7 | 1464.2 | 1416.2 | 1344.3 | 1285.6 | 843.3 | 132.1 | 157.5° | 638.0 |
| 1949.3 | 1898.8 | 1837.0 | 1805.8 | 1728.6 | 1676.7 | 1612.5 | 1535.3 | 1460.5 | 931.9 | 134.5 | 160° | 648.0 |
| 2207.5 | 2153.2 | 2105.2 | 2045.6 | 1975.4 | 1917.3 | 1856.2 | 1774.4 | 1680.5 | 1100.0 | 143.5 | 162.5° | 656.2 |
| 2480.2 | 2445.1 | 2399.2 | 2322.1 | 2283.9 | 2210.5 | 2132.7 | 2042.5 | 1974.6 | 1318.4 | 165.7 | 165° | 666.0 |
| 2877.5 | 2839.3 | 2833.8 | 2758.2 | 2700.1 | 2633.7 | 2572.7 | 2497.7 | 2417.6 | 1706.4 | 217.7 | 167.5° | 675.3 |
| 3488.5 | 3448.8 | 3403.7 | 3344.9 | 3276.1 | 3193.7 | 3117.9 | 3017.1 | 2927.8 | 2095.2 | 242.1 | 170° | 682.5 |
| 3850.6 | 3777.2 | 3696.3 | 3606.9 | 3506.8 | 3404.5 | 3302.9 | 3173.7 | 3043.9 | 2118.9 | 218.5 | 172.5° | 682.5 |
| 3820.0 | 3729.0 | 3626.0 | 3504.5 | 3399.1 | 3273.1 | 3163.8 | 2997.4 | 2878.9 | 1886.7 | 178.0 | 175° | 681.7 |
| 3706.9 | 3582.4 | 3485.4 | 3373.9 | 3241.7 | 3128.7 | 3013.4 | 2849.2 | 2713.9 | 1730.0 | 162.8 | 177.5° | 685.9 |
| 3417.4 | 3311.2 | 3176.8 | 3069.9 | 2972.1 | 2836.8 | 2728.4 | 2574.9 | 2481.7 | 1500.2 | 145.9 | 180° | 687.0 |
| 2731.5 | 2584.9 | 2471.0 | 2387.8 | 2277.0 | 2154.8 | 2058.6 | 1929.5 | 1846.9 | 993.0 | 126.0 | | |
| 1591.1 | 1554.3 | 1426.9 | 1355.0 | 1287.8 | 1188.5 | 1112.1 | 1050.3 | 941.9 | 481.2 | 111.5 | | |
| 490.4 | 456.0 | 451.4 | 383.5 | 405.7 | 346.7 | 337.7 | 307.1 | 307.1 | 184.8 | 87.9 | | |
| 156.6 | 153.5 | 147.4 | 139.0 | 135.9 | 135.9 | 132.1 | 131.4 | 125.2 | 99.4 | 65.7 | | |
| 110.7 | 108.4 | 106.2 | 103.8 | 102.4 | 103.1 | 100.1 | 98.5 | 96.9 | 71.9 | 51.9 | | |
| 76.4 | 74.1 | 69.5 | 69.5 | 68.0 | 67.2 | 68.0 | 64.9 | 64.2 | 50.5 | 43.6 | | |
| 51.9 | 51.1 | 50.5 | 49.7 | 48.9 | 48.1 | 47.4 | 45.1 | 43.6 | 35.1 | 30.5 | | |
| 34.3 | 29.0 | 28.3 | 24.4 | 23.6 | 22.9 | 21.4 | 22.9 | 25.2 | 25.2 | 19.9 | | |
| 15.1 | 14.1 | 14.7 | 14.6 | 12.9 | 13.7 | 13.7 | 12.1 | 12.1 | 14.6 | 15.7 | | |
| 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | | |
| 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | | |
| 8.2 | 8.1 | 7.9 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 8.8 | | |
| 19.9 | 19.4 | 19.0 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 22.5 | | |
| 39.2 | 38.9 | 38.5 | 38.3 | 38.1 | 37.9 | 37.7 | 37.5 | 37.3 | 38.3 | 41.2 | | |
| 61.1 | 60.6 | 60.3 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 63.8 | | |
| 86.2 | 86.0 | 85.7 | 85.4 | 85.2 | 85.0 | 84.8 | 84.6 | 84.4 | 85.4 | 88.3 | | |

271733
 IST-AF-1000-LED-E1-SL3-7027-ULG

REPORT NUMBER: P271733
 CATALOG NUMBER: IST-AF-10

TION (continued):

CANDELA DISTRIBUTION (con

| 83° | 84° | 85° | 86° | 87° | 88° | 89° | 90° | 95° | 105° | | 115° | 125° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 114.4 | 114.2 | 113.8 | 114.1 | 114.3 | 114.4 | 114.6 | 114.8 | 113.8 | 116.8 | 0° | 1353.6 | 1353.6 |
| 144.6 | 144.4 | 144.3 | 144.3 | 144.3 | 144.3 | 144.3 | 144.3 | 144.3 | 146.2 | 2.5° | 1309.2 | 1297.1 |
| 174.1 | 173.9 | 173.7 | 173.9 | 174.1 | 174.3 | 174.5 | 174.7 | 173.7 | 175.7 | 5° | 1239.8 | 1212.3 |
| 204.5 | 204.4 | 204.2 | 204.4 | 204.5 | 204.7 | 204.9 | 205.2 | 204.2 | 206.1 | 7.5° | 1145.8 | 1092.2 |
| 238.9 | 238.7 | 238.5 | 238.5 | 238.5 | 238.5 | 238.5 | 238.5 | 238.5 | 240.5 | 10° | 1038.0 | 960.8 |
| 271.3 | 271.1 | 270.9 | 271.1 | 271.3 | 271.5 | 271.6 | 271.8 | 270.9 | 272.8 | 12.5° | 926.5 | 828.0 |
| 304.3 | 304.3 | 304.3 | 304.3 | 304.3 | 304.3 | 304.3 | 304.3 | 304.3 | 304.3 | 15° | 822.7 | 692.1 |
| 338.8 | 338.8 | 338.6 | 339.0 | 339.4 | 339.8 | 340.2 | 340.5 | 338.6 | 339.6 | 17.5° | 713.4 | 552.3 |
| 372.3 | 372.2 | 372.0 | 372.2 | 372.3 | 372.5 | 372.8 | 373.0 | 372.0 | 374.0 | 20° | 608.8 | 417.0 |
| 406.3 | 406.3 | 406.3 | 406.6 | 406.8 | 406.9 | 407.1 | 407.3 | 406.3 | 406.3 | 22.5° | 490.4 | 292.6 |
| 441.1 | 441.3 | 441.7 | 441.9 | 442.1 | 442.2 | 442.4 | 442.7 | 441.7 | 438.7 | 25° | 359.8 | 212.4 |
| 471.1 | 471.6 | 472.1 | 472.3 | 472.5 | 472.7 | 472.9 | 473.0 | 472.1 | 467.2 | 27.5° | 256.6 | 169.6 |
| 498.6 | 499.1 | 499.5 | 500.0 | 500.4 | 500.7 | 501.2 | 501.5 | 499.5 | 494.7 | 30° | 191.7 | 142.8 |
| 523.9 | 524.0 | 524.1 | 524.5 | 524.9 | 525.3 | 525.7 | 526.0 | 524.1 | 523.2 | 32.5° | 153.5 | 123.8 |
| 548.2 | 548.0 | 547.7 | 548.1 | 548.4 | 548.9 | 549.2 | 549.7 | 547.7 | 550.6 | 35° | 130.6 | 112.3 |
| 572.8 | 572.5 | 572.2 | 572.6 | 573.0 | 573.4 | 573.7 | 574.2 | 572.2 | 575.2 | 37.5° | 116.9 | 104.7 |
| 594.2 | 594.5 | 594.8 | 595.6 | 596.4 | 597.1 | 597.9 | 598.7 | 594.8 | 591.8 | 40° | 109.2 | 100.8 |
| 610.5 | 610.9 | 611.5 | 612.5 | 613.5 | 614.4 | 615.4 | 616.3 | 611.5 | 606.5 | 42.5° | 104.7 | 96.9 |
| 625.8 | 626.0 | 626.2 | 626.7 | 627.4 | 627.9 | 628.5 | 629.2 | 626.2 | 624.2 | 45° | 102.4 | 94.7 |
| 638.0 | 638.0 | 638.0 | 639.0 | 640.0 | 640.9 | 641.9 | 642.8 | 638.0 | 638.0 | 47.5° | 100.8 | 91.6 |
| 647.9 | 647.9 | 647.8 | 648.9 | 650.1 | 651.3 | 652.5 | 653.7 | 647.8 | 648.8 | 50° | 99.4 | 91.6 |
| 656.0 | 655.9 | 655.7 | 656.8 | 658.0 | 659.2 | 660.3 | 661.5 | 655.7 | 657.6 | 52.5° | 100.1 | 93.2 |
| 665.8 | 665.6 | 665.5 | 666.3 | 667.0 | 667.8 | 668.6 | 669.3 | 665.5 | 667.4 | 55° | 103.8 | 93.2 |
| 675.3 | 675.3 | 675.3 | 676.4 | 677.6 | 678.8 | 679.9 | 681.2 | 675.3 | 675.3 | 57.5° | 110.0 | 93.2 |
| 682.7 | 682.9 | 683.1 | 684.1 | 685.0 | 686.0 | 687.0 | 688.0 | 683.1 | 681.2 | 60° | 114.5 | 94.7 |
| 682.7 | 682.9 | 683.1 | 684.1 | 685.0 | 686.0 | 687.0 | 688.0 | 683.1 | 681.2 | 62.5° | 116.2 | 97.7 |
| 681.5 | 681.4 | 681.2 | 682.2 | 683.1 | 684.1 | 685.0 | 686.0 | 681.2 | 683.1 | 65° | 114.5 | 99.4 |
| 685.7 | 685.4 | 685.0 | 685.9 | 686.7 | 687.5 | 688.2 | 689.0 | 685.0 | 688.0 | 66° | 113.1 | 99.4 |
| 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 687.0 | 67.5° | 110.7 | 97.7 |
| | | | | | | | | | | 70° | 105.4 | 91.6 |
| | | | | | | | | | | 72.5° | 94.7 | 82.6 |
| | | | | | | | | | | 75° | 80.9 | 66.5 |
| | | | | | | | | | | 77.5° | 65.7 | 53.4 |
| | | | | | | | | | | 80° | 48.9 | 40.4 |
| | | | | | | | | | | 82.5° | 35.9 | 31.4 |
| | | | | | | | | | | 85° | 25.2 | 22.2 |
| | | | | | | | | | | 87.5° | 15.3 | 13.7 |
| | | | | | | | | | | 90° | 12.7 | 10.7 |
| | | | | | | | | | | 92.5° | 6.8 | 6.8 |
| | | | | | | | | | | 95° | 7.8 | 6.8 |
| | | | | | | | | | | 97.5° | 9.8 | 11.8 |
| | | | | | | | | | | 100° | 25.5 | 28.5 |
| | | | | | | | | | | 102.5° | 46.2 | 49.0 |
| | | | | | | | | | | 105° | 68.7 | 70.7 |
| | | | | | | | | | | 107.5° | 92.3 | 93.2 |



REPORT NUMBER: P271733

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

00-LED-E1-SL3-7027-ULG

tinued):

| 135° | 145° | 155° | 165° | 175° | 180° |
|--------|--------|--------|--------|--------|--------|
| 1353.6 | 1353.6 | 1353.6 | 1353.6 | 1353.6 | 1353.6 |
| 1288.6 | 1287.8 | 1268.8 | 1264.9 | 1252.0 | 1258.9 |
| 1179.4 | 1166.4 | 1132.0 | 1125.1 | 1110.7 | 1106.8 |
| 1048.7 | 1012.9 | 985.4 | 954.8 | 925.7 | 940.3 |
| 896.0 | 835.6 | 775.2 | 735.6 | 719.5 | 714.2 |
| 750.8 | 642.4 | 566.8 | 488.9 | 461.4 | 471.3 |
| 575.2 | 451.4 | 350.6 | 305.5 | 279.6 | 275.0 |
| 405.7 | 289.5 | 242.9 | 231.4 | 226.1 | 226.1 |
| 275.0 | 220.7 | 203.2 | 197.9 | 197.9 | 198.5 |
| 209.2 | 185.6 | 178.0 | 178.8 | 181.7 | 182.5 |
| 173.5 | 164.2 | 160.3 | 165.7 | 171.8 | 172.7 |
| 149.7 | 147.4 | 148.2 | 155.0 | 161.2 | 162.0 |
| 131.4 | 133.7 | 136.7 | 142.8 | 148.2 | 149.7 |
| 118.4 | 122.2 | 124.5 | 128.3 | 131.4 | 132.1 |
| 109.2 | 113.8 | 113.1 | 115.3 | 117.7 | 118.4 |
| 103.8 | 106.2 | 103.8 | 105.4 | 105.4 | 107.0 |
| 99.4 | 100.1 | 96.3 | 96.9 | 98.5 | 98.5 |
| 94.7 | 94.0 | 90.1 | 91.6 | 94.0 | 94.7 |
| 90.1 | 88.7 | 85.6 | 88.7 | 92.4 | 93.2 |
| 86.2 | 84.8 | 83.3 | 87.0 | 91.6 | 92.4 |
| 84.8 | 83.3 | 81.7 | 87.0 | 91.6 | 92.4 |
| 84.8 | 83.3 | 81.7 | 85.6 | 90.1 | 90.9 |
| 85.6 | 84.0 | 80.9 | 84.8 | 87.9 | 88.7 |
| 86.2 | 84.8 | 79.4 | 81.7 | 83.3 | 84.0 |
| 86.2 | 83.3 | 78.0 | 78.7 | 78.7 | 79.4 |
| 84.8 | 80.9 | 74.9 | 74.9 | 74.1 | 74.1 |
| 84.8 | 78.0 | 71.9 | 70.2 | 68.7 | 68.7 |
| 84.0 | 77.2 | 71.1 | 68.7 | 66.5 | 66.5 |
| 82.6 | 75.5 | 69.5 | 66.5 | 64.2 | 64.2 |
| 77.2 | 72.5 | 65.7 | 62.6 | 60.4 | 59.6 |
| 68.7 | 66.5 | 61.2 | 58.7 | 56.5 | 55.8 |
| 58.0 | 58.7 | 55.8 | 54.3 | 51.9 | 51.1 |
| 48.9 | 50.5 | 48.9 | 48.1 | 46.6 | 45.8 |
| 39.0 | 42.0 | 40.4 | 40.4 | 41.2 | 39.7 |
| 29.8 | 33.6 | 32.1 | 33.6 | 35.1 | 32.9 |
| 20.6 | 24.4 | 24.4 | 25.2 | 26.1 | 24.4 |
| 12.9 | 16.0 | 15.3 | 16.0 | 16.0 | 15.3 |
| 9.9 | 13.1 | 10.9 | 11.5 | 8.7 | 7.9 |
| 5.9 | 5.9 | 5.9 | 4.9 | 4.0 | 4.0 |
| 6.8 | 6.8 | 6.8 | 5.9 | 4.9 | 4.9 |
| 8.8 | 8.8 | 7.8 | 7.8 | 6.8 | 6.8 |
| 20.6 | 11.8 | 9.8 | 8.8 | 7.8 | 7.8 |
| 39.3 | 26.5 | 17.7 | 12.8 | 10.8 | 10.8 |
| 61.8 | 47.1 | 35.3 | 26.5 | 21.6 | 20.6 |
| 86.3 | 71.7 | 57.0 | 48.1 | 41.2 | 40.2 |

CANDELA DISTRIBUTION (continued):

| | 115° | 125° | 135° |
|--------|-------|-------|-------|
| 110° | 118.8 | 117.8 | 111.9 |
| 112.5° | 147.2 | 145.3 | 140.3 |
| 115° | 178.7 | 175.7 | 170.8 |
| 117.5° | 211.0 | 207.1 | 201.2 |
| 120° | 245.3 | 241.5 | 238.5 |
| 122.5° | 277.8 | 273.8 | 271.8 |
| 125° | 309.2 | 307.2 | 304.3 |
| 127.5° | 339.6 | 338.6 | 333.7 |
| 130° | 374.0 | 370.0 | 365.1 |
| 132.5° | 408.3 | 403.4 | 397.5 |
| 135° | 439.7 | 434.8 | 428.9 |
| 137.5° | 466.2 | 464.2 | 459.3 |
| 140° | 492.7 | 490.7 | 487.8 |
| 142.5° | 523.2 | 517.2 | 515.3 |
| 145° | 551.6 | 545.7 | 540.8 |
| 147.5° | 574.2 | 569.3 | 564.3 |
| 150° | 588.9 | 586.0 | 582.0 |
| 152.5° | 602.7 | 599.7 | 598.7 |
| 155° | 619.3 | 614.4 | 616.3 |
| 157.5° | 636.0 | 632.0 | 633.0 |
| 160° | 651.7 | 645.8 | 642.8 |
| 162.5° | 658.5 | 654.7 | 650.7 |
| 165° | 664.5 | 659.5 | 660.5 |
| 167.5° | 671.3 | 665.5 | 672.3 |
| 170° | 676.2 | 673.3 | 678.2 |
| 172.5° | 679.2 | 676.2 | 677.2 |
| 175° | 682.2 | 677.2 | 677.2 |
| 177.5° | 686.0 | 681.2 | 682.2 |
| 180° | 687.0 | 687.0 | 687.0 |



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| 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|
| 100.1 | 85.4 | 72.7 | 66.7 | 64.8 |
| 131.5 | 118.8 | 104.0 | 97.2 | 97.2 |
| 164.9 | 156.0 | 144.3 | 136.5 | 137.4 |
| 198.3 | 193.3 | 185.5 | 180.6 | 180.6 |
| 232.6 | 228.7 | 221.8 | 218.8 | 220.8 |
| 266.0 | 262.0 | 256.2 | 255.2 | 258.2 |
| 299.3 | 293.5 | 290.5 | 288.5 | 292.5 |
| 332.7 | 326.8 | 322.9 | 322.9 | 323.9 |
| 363.2 | 359.2 | 355.3 | 354.3 | 356.3 |
| 396.5 | 393.5 | 385.7 | 386.7 | 388.7 |
| 427.0 | 424.0 | 418.1 | 418.1 | 421.0 |
| 455.4 | 451.5 | 450.5 | 448.5 | 451.5 |
| 481.9 | 480.0 | 478.0 | 476.0 | 479.0 |
| 511.3 | 508.4 | 507.5 | 505.5 | 508.4 |
| 539.8 | 536.8 | 534.0 | 535.9 | 539.8 |
| 563.3 | 563.3 | 560.5 | 561.4 | 564.3 |
| 582.0 | 582.0 | 582.0 | 581.0 | 584.0 |
| 598.7 | 597.7 | 596.7 | 596.7 | 599.7 |
| 618.3 | 615.4 | 613.5 | 613.5 | 617.3 |
| 634.0 | 632.0 | 631.1 | 631.1 | 634.0 |
| 642.8 | 643.8 | 646.8 | 647.8 | 650.7 |
| 648.8 | 652.7 | 656.6 | 656.6 | 660.5 |
| 660.5 | 663.5 | 663.5 | 665.5 | 668.4 |
| 675.3 | 673.3 | 671.3 | 674.3 | 677.2 |
| 680.2 | 679.2 | 679.2 | 682.2 | 685.0 |
| 677.2 | 680.2 | 682.2 | 684.1 | 686.0 |
| 678.2 | 682.2 | 684.1 | 685.0 | 687.0 |
| 684.1 | 686.0 | 687.0 | 692.0 | 693.9 |
| 687.0 | 687.0 | 687.0 | 687.0 | 687.0 |

(END OF REPORT)