

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: P226948

Luminaire Tested: **IST-AF-800-LED-E1-SL3-7050-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226948
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-800-LED-E1-SL3-7050-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) 5000K CCT, 70 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6587.7 lumens
Efficiency: N/A
Efficacy: 109.4 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

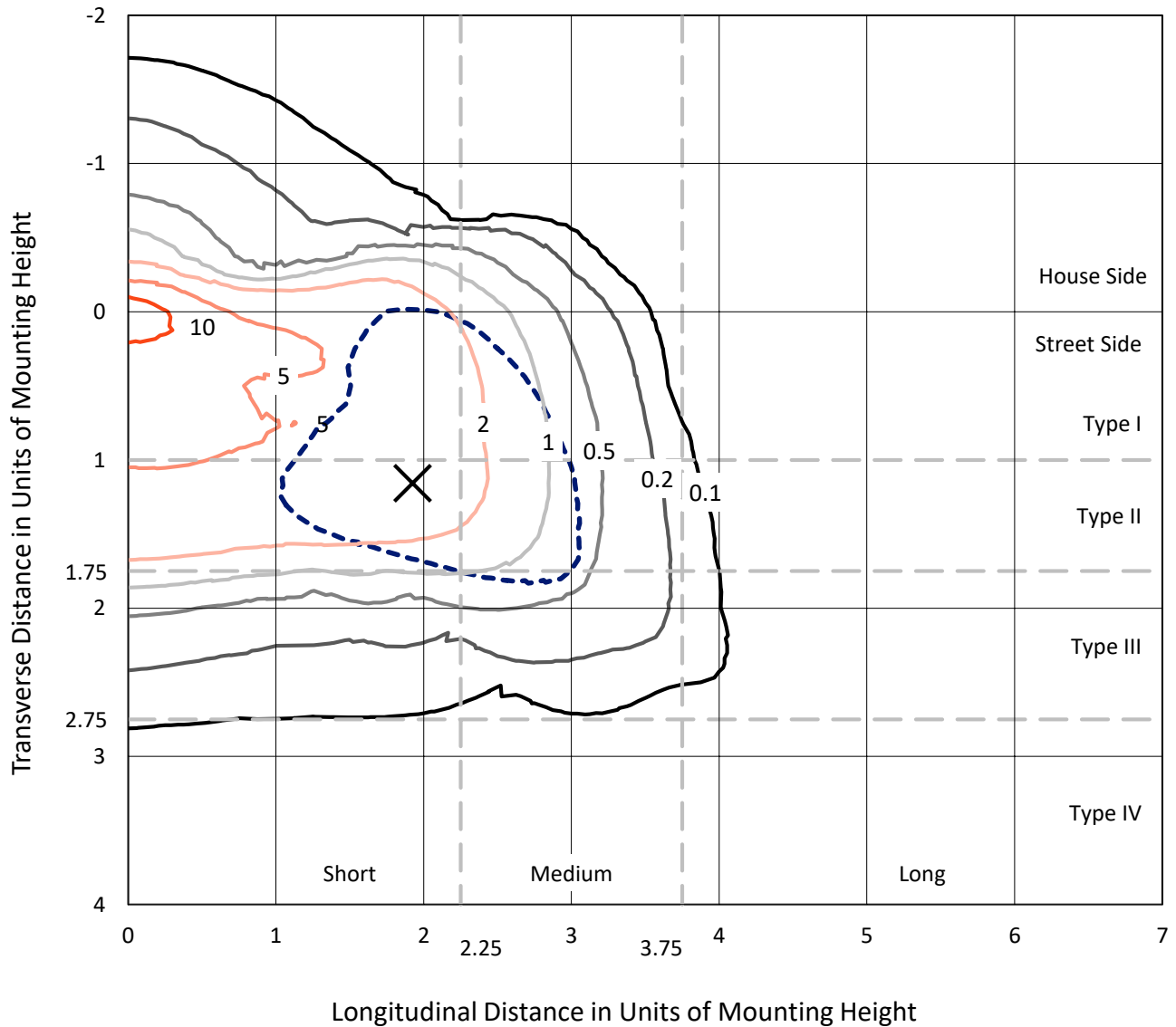
Input Watts (W): 60.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

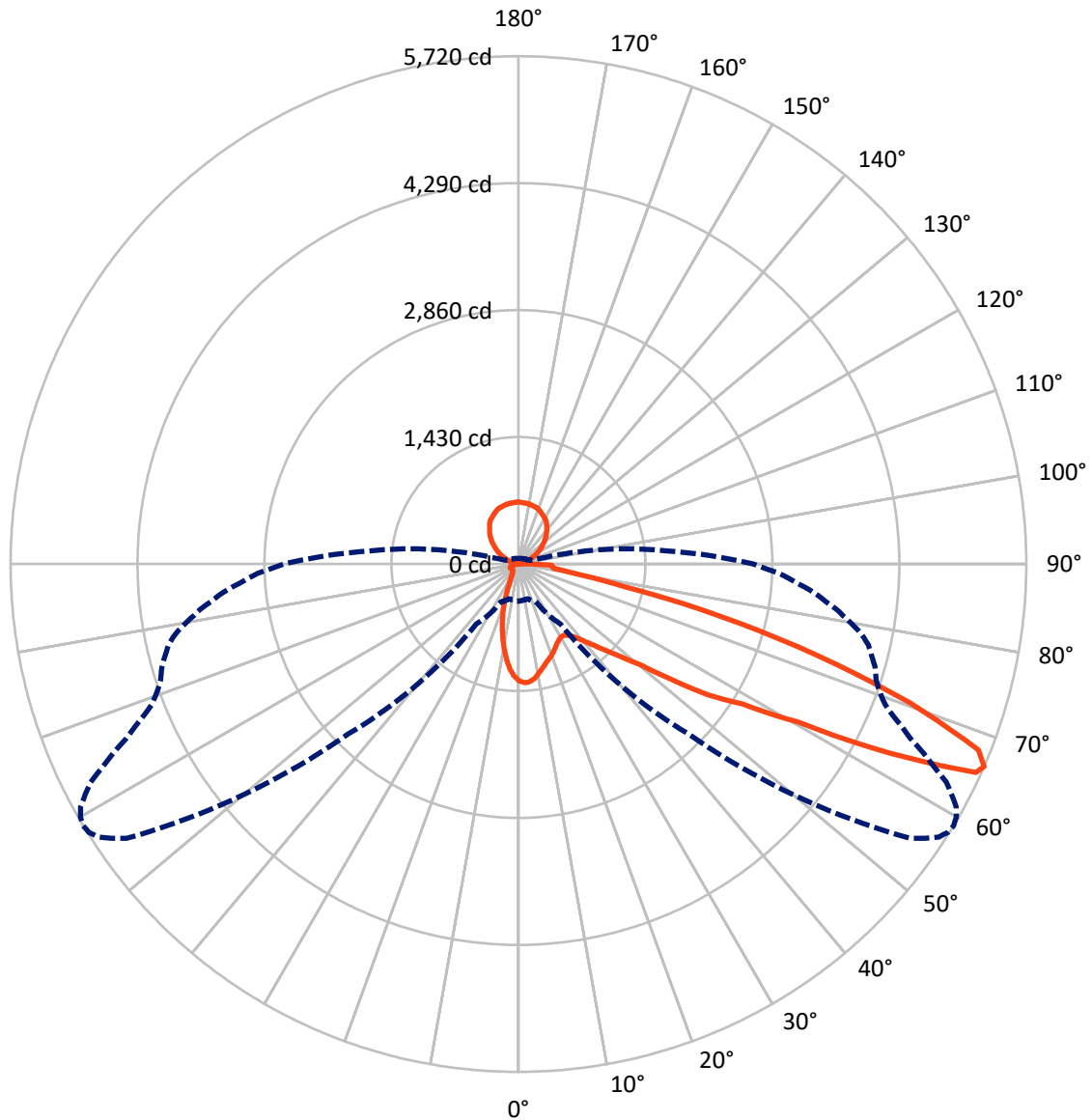


Based on 10 foot mounting height. Maximum calculated value = 13.2 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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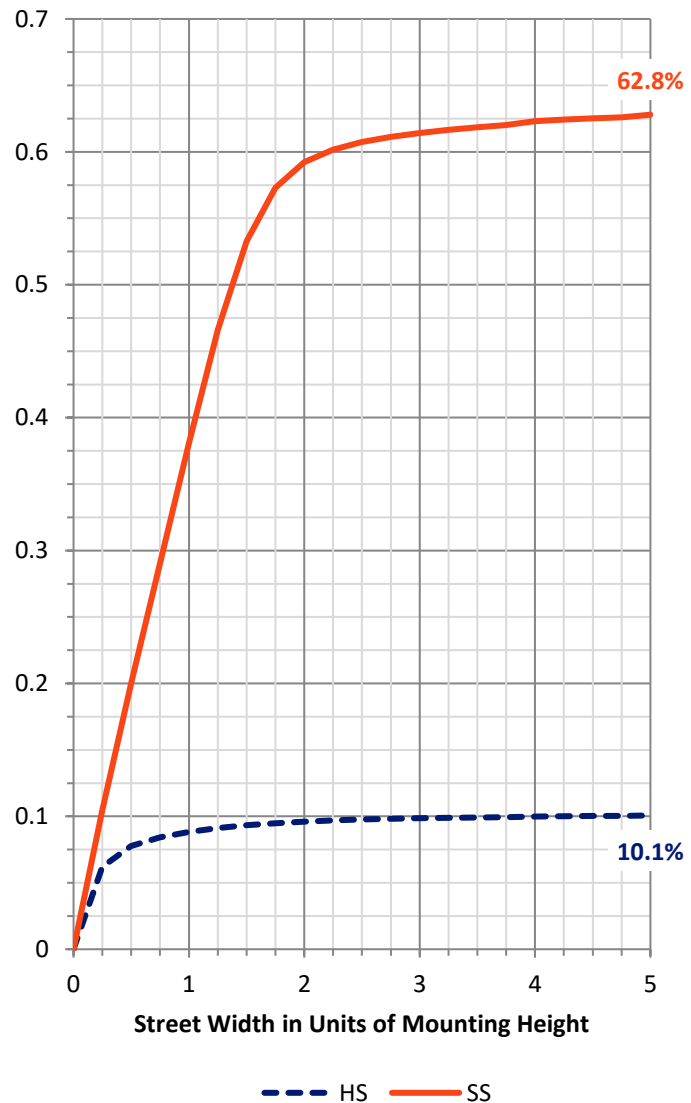
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 673.6 | 867.9 | 1541.5 |
| | % Fixture | 10.2 | 13.2 | 23.4 |
| Street Side | Lumens | 4176.8 | 869.3 | 5046.2 |
| | % Fixture | 63.4 | 13.2 | 76.6 |
| Total | Lumens | 4850.5 | 1737.2 | 6587.7 |
| | % Fixture | 73.6 | 26.4 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 112.3 | 1.7 |
| 10°-20° | 237.3 | 3.6 |
| 20°-30° | 297.7 | 4.5 |
| 30°-40° | 407.3 | 6.2 |
| 40°-50° | 655.2 | 9.9 |
| 50°-60° | 1138.6 | 17.3 |
| 60°-70° | 1383.4 | 21.0 |
| 70°-80° | 516.1 | 7.8 |
| 80°-90° | 102.5 | 1.6 |
| 90°-100° | 11.3 | 0.2 |
| 100°-110° | 57.4 | 0.9 |
| 110°-120° | 166.1 | 2.5 |
| 120°-130° | 273.2 | 4.1 |
| 130°-140° | 336.8 | 5.1 |
| 140°-150° | 344.6 | 5.2 |
| 150°-160° | 290.3 | 4.4 |
| 160°-170° | 191.2 | 2.9 |
| 170°-180° | 66.3 | 1.0 |
| 0°-90° | 4850.5 | 73.6 |
| 0°-180° | 6587.7 | 100.0 |



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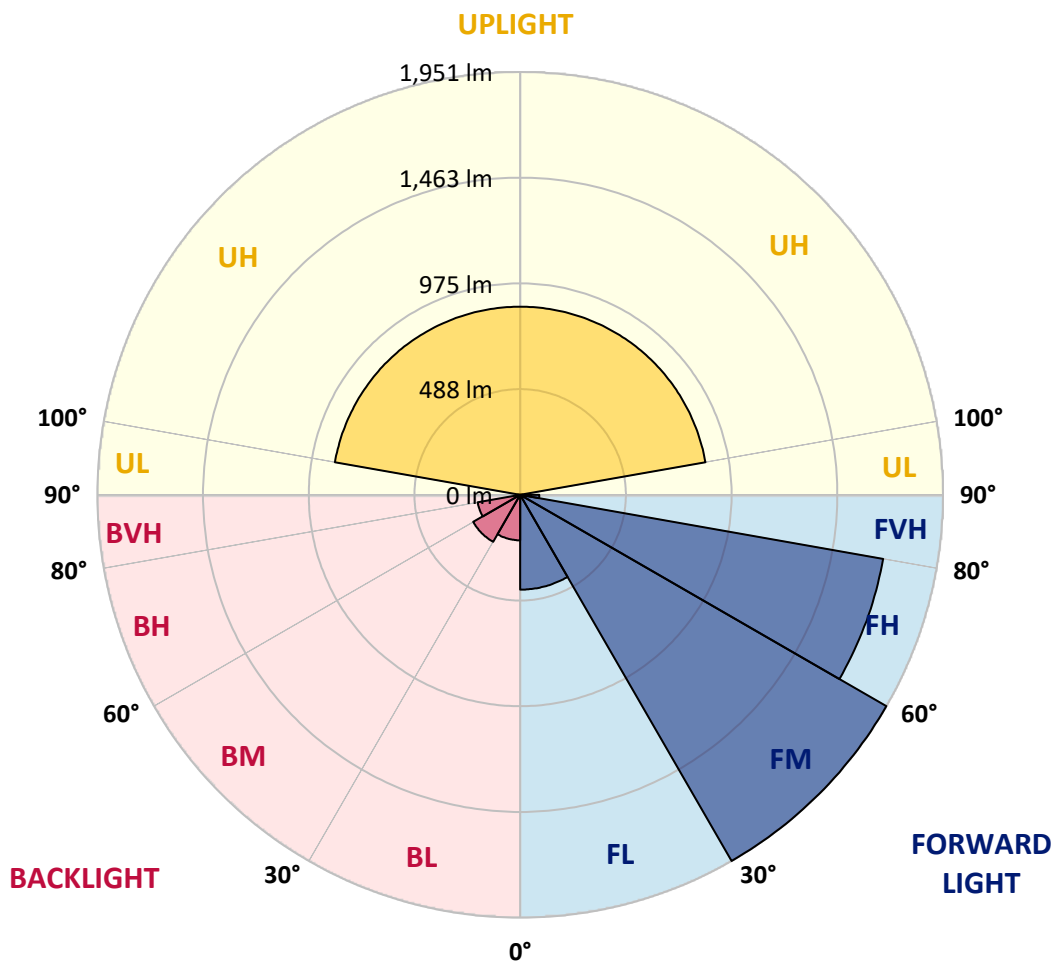
CATALOG NUMBER: IST-AF-800-LED-E1-SL3-7050-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|---------|---------|
| | | | B | U | G |
| FL (0°-30°) | 437.5 | 6.6 | | | |
| FM (30°-60°) | 1950.9 | 29.6 | | | |
| FH (60°-80°) | 1700.4 | 25.8 | | | G1/1800 |
| FVH (80°-90°) | 88.1 | 1.3 | | | G1/100 |
| BL (0°-30°) | 209.9 | 3.2 | B1/500 | | |
| BM (30°-60°) | 250.3 | 3.8 | B1/1000 | | |
| BH (60°-80°) | 199.0 | 3.0 | B1/500 | | G1/500 |
| BVH (80°-90°) | 14.4 | 0.2 | | | G1/100 |
| UL (90°-100°) | 11.3 | 0.2 | | U2/50 | |
| UH (100°-180°) | 867.9 | 13.2 | | 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° | 1318.0 | 1318.0 | 1318.0 | 1318.0 | 1318.0 | 1318.0 | 1318.0 | 1318.0 | 1318.0 | 1318.0 | 1318.0 | 1318.0 |
| 2.5° | 1352.2 | 1347.8 | 1355.9 | 1353.0 | 1355.2 | 1344.0 | 1341.8 | 1339.6 | 1341.1 | 1338.8 | 1338.8 | 1338.8 |
| 5° | 1320.2 | 1318.0 | 1327.7 | 1332.9 | 1337.4 | 1335.9 | 1335.1 | 1335.1 | 1335.9 | 1330.7 | 1331.4 | 1331.4 |
| 7.5° | 1226.5 | 1225.0 | 1238.4 | 1248.1 | 1269.7 | 1282.3 | 1298.7 | 1299.4 | 1300.9 | 1298.7 | 1303.1 | 1303.1 |
| 10° | 1126.9 | 1131.3 | 1143.2 | 1158.8 | 1190.8 | 1210.2 | 1241.4 | 1247.4 | 1249.6 | 1250.3 | 1251.1 | 1251.1 |
| 12.5° | 1031.7 | 1027.2 | 1042.1 | 1071.8 | 1115.0 | 1146.2 | 1185.6 | 1188.6 | 1192.3 | 1197.5 | 1202.7 | 1202.7 |
| 15° | 946.9 | 952.1 | 964.0 | 995.2 | 1040.6 | 1084.5 | 1135.8 | 1138.8 | 1146.2 | 1150.7 | 1158.1 | 1158.1 |
| 17.5° | 888.8 | 888.8 | 902.2 | 931.2 | 973.6 | 1029.4 | 1094.1 | 1099.3 | 1105.3 | 1111.2 | 1119.4 | 1119.4 |
| 20° | 859.8 | 859.8 | 865.0 | 882.1 | 919.3 | 972.9 | 1051.0 | 1056.9 | 1067.4 | 1074.0 | 1085.2 | 1085.2 |
| 22.5° | 857.6 | 856.9 | 856.1 | 859.8 | 882.1 | 923.8 | 1004.9 | 1013.1 | 1022.0 | 1032.4 | 1042.1 | 1042.1 |
| 25° | 881.4 | 883.6 | 874.7 | 868.8 | 871.0 | 890.3 | 961.0 | 965.5 | 982.6 | 989.3 | 1001.2 | 1001.2 |
| 27.5° | 915.6 | 919.3 | 911.9 | 903.0 | 889.6 | 876.9 | 923.8 | 931.2 | 942.4 | 953.6 | 968.4 | 968.4 |
| 30° | 964.7 | 964.0 | 963.2 | 957.3 | 931.2 | 891.8 | 912.6 | 917.8 | 927.5 | 936.4 | 949.1 | 949.1 |
| 32.5° | 1017.5 | 1023.5 | 1027.9 | 1025.0 | 998.2 | 931.2 | 928.3 | 932.7 | 941.7 | 946.9 | 955.0 | 955.0 |
| 35° | 1085.9 | 1088.9 | 1106.0 | 1106.0 | 1079.3 | 1001.9 | 972.1 | 975.9 | 980.3 | 982.6 | 988.5 | 988.5 |
| 37.5° | 1161.1 | 1171.5 | 1196.8 | 1211.7 | 1170.0 | 1089.7 | 1041.3 | 1041.3 | 1043.6 | 1045.0 | 1048.8 | 1048.8 |
| 40° | 1248.1 | 1263.0 | 1297.9 | 1326.2 | 1299.4 | 1199.0 | 1132.1 | 1138.8 | 1136.5 | 1133.6 | 1141.7 | 1141.7 |
| 42.5° | 1349.3 | 1365.6 | 1408.0 | 1434.8 | 1419.2 | 1330.7 | 1254.0 | 1249.6 | 1256.3 | 1247.4 | 1250.3 | 1250.3 |
| 45° | 1466.8 | 1479.4 | 1522.6 | 1550.8 | 1563.5 | 1492.1 | 1414.0 | 1405.0 | 1405.0 | 1385.7 | 1393.9 | 1393.9 |
| 47.5° | 1572.4 | 1576.1 | 1617.8 | 1667.6 | 1708.5 | 1710.0 | 1599.9 | 1594.0 | 1579.8 | 1567.2 | 1564.2 | 1564.2 |
| 50° | 1670.6 | 1681.7 | 1708.5 | 1762.8 | 1848.3 | 1922.7 | 1855.8 | 1837.2 | 1821.6 | 1774.7 | 1788.8 | 1788.8 |
| 52.5° | 1840.9 | 1862.5 | 1879.6 | 1912.3 | 2013.5 | 2164.5 | 2247.0 | 2218.0 | 2214.3 | 2171.9 | 2162.2 | 2162.2 |
| 55° | 1872.9 | 1875.1 | 1931.6 | 2120.6 | 2358.6 | 2467.2 | 2625.6 | 2624.9 | 2636.8 | 2623.4 | 2610.7 | 2610.7 |
| 57.5° | 1722.6 | 1704.8 | 1799.3 | 2048.4 | 2526.7 | 3084.5 | 3036.2 | 3041.4 | 3025.8 | 2984.9 | 2972.2 | 2972.2 |
| 60° | 1341.8 | 1356.7 | 1458.6 | 1776.2 | 2405.5 | 3483.2 | 3802.3 | 3707.8 | 3775.5 | 3669.2 | 3611.9 | 3611.9 |
| 62.5° | 755.0 | 737.8 | 807.0 | 1141.0 | 1973.3 | 3504.0 | 4845.9 | 4856.3 | 4889.0 | 4829.5 | 4689.7 | 4689.7 |
| 65° | 487.2 | 479.8 | 473.1 | 577.2 | 1182.6 | 3065.2 | 5423.0 | 5551.0 | 5627.6 | 5658.8 | 5661.1 | 5661.1 |
| 66° | 418.8 | 412.8 | 404.6 | 472.3 | 824.1 | 2700.7 | 5385.9 | 5522.7 | 5644.7 | 5702.7 | 5719.8 | 5719.8 |
| 67.5° | 356.3 | 347.4 | 345.9 | 391.2 | 573.5 | 2095.3 | 5031.1 | 5246.0 | 5353.9 | 5504.1 | 5585.9 | 5585.9 |
| 70° | 272.2 | 267.8 | 281.2 | 337.7 | 440.3 | 986.3 | 4009.1 | 4289.5 | 4475.4 | 4593.0 | 4668.8 | 4668.8 |
| 72.5° | 228.3 | 226.9 | 245.5 | 308.7 | 417.3 | 559.3 | 2806.4 | 3107.6 | 3301.7 | 3414.0 | 3518.2 | 3518.2 |
| 75° | 178.5 | 180.0 | 204.5 | 294.5 | 415.0 | 487.2 | 1630.4 | 1917.5 | 2030.6 | 2207.6 | 2343.0 | 2343.0 |
| 77.5° | 133.9 | 132.4 | 151.7 | 238.0 | 404.6 | 493.9 | 847.2 | 966.2 | 1090.4 | 1180.4 | 1213.1 | 1213.1 |
| 80° | 93.7 | 95.2 | 108.6 | 163.6 | 315.4 | 508.0 | 528.1 | 555.6 | 581.7 | 610.7 | 616.6 | 616.6 |
| 82.5° | 62.5 | 63.2 | 80.3 | 112.3 | 218.7 | 485.0 | 493.1 | 480.5 | 460.4 | 435.1 | 407.6 | 407.6 |
| 85° | 37.9 | 39.4 | 57.3 | 75.9 | 169.6 | 438.8 | 510.2 | 476.8 | 446.3 | 412.8 | 379.3 | 379.3 |
| 87.5° | 19.3 | 21.6 | 34.2 | 44.6 | 100.4 | 216.4 | 531.1 | 506.5 | 464.9 | 413.6 | 376.4 | 376.4 |
| 90° | 10.2 | 10.2 | 14.4 | 19.2 | 28.1 | 50.9 | 140.9 | 127.7 | 67.6 | 122.1 | 64.3 | 64.3 |
| 92.5° | 4.0 | 4.0 | 5.0 | 6.0 | 6.0 | 6.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| 95° | 5.0 | 5.0 | 6.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.1 | 7.2 | 7.3 | 7.4 | 7.4 |
| 97.5° | 7.0 | 7.0 | 8.0 | 8.0 | 9.0 | 9.0 | 12.0 | 11.8 | 11.6 | 11.4 | 11.2 | 11.2 |
| 100° | 8.0 | 8.0 | 9.0 | 10.0 | 12.0 | 21.0 | 29.0 | 28.7 | 28.4 | 28.1 | 27.8 | 27.8 |
| 102.5° | 11.0 | 11.0 | 13.0 | 18.0 | 27.0 | 40.0 | 50.0 | 49.7 | 49.4 | 49.1 | 48.8 | 48.8 |
| 105° | 21.0 | 22.0 | 27.0 | 36.0 | 48.0 | 63.0 | 72.0 | 71.8 | 71.6 | 71.4 | 71.2 | 71.2 |
| 107.5° | 41.0 | 42.0 | 49.0 | 58.0 | 73.0 | 88.0 | 95.0 | 94.9 | 94.8 | 94.7 | 94.6 | 94.6 |



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CATALOG NUMBER: IST-AF-800-LED-E1-SL3-7050-ULG

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 56° | 57° | 58° | 59° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110° | 66.0 | 68.0 | 74.0 | 87.0 | 102.0 | 114.0 | 120.0 | 120.1 | 120.2 | 120.3 | 120.4 |
| 112.5° | 99.0 | 99.0 | 106.0 | 121.0 | 134.0 | 143.0 | 148.0 | 148.2 | 148.4 | 148.6 | 148.8 |
| 115° | 140.0 | 139.0 | 147.0 | 159.0 | 168.0 | 174.0 | 179.0 | 179.3 | 179.6 | 179.9 | 180.2 |
| 117.5° | 184.0 | 184.0 | 189.0 | 197.0 | 202.0 | 205.0 | 211.0 | 211.4 | 211.8 | 212.2 | 212.6 |
| 120° | 225.0 | 223.0 | 226.0 | 233.0 | 237.0 | 243.0 | 246.0 | 246.4 | 246.8 | 247.2 | 247.6 |
| 122.5° | 263.0 | 260.0 | 261.0 | 267.0 | 271.0 | 277.0 | 279.0 | 279.4 | 279.8 | 280.2 | 280.6 |
| 125° | 298.0 | 294.0 | 296.0 | 299.0 | 305.0 | 310.0 | 313.0 | 313.2 | 313.4 | 313.6 | 313.8 |
| 127.5° | 330.0 | 329.0 | 329.0 | 333.0 | 339.0 | 340.0 | 345.0 | 345.1 | 345.2 | 345.3 | 345.4 |
| 130° | 363.0 | 361.0 | 362.0 | 366.0 | 370.0 | 372.0 | 377.0 | 377.4 | 377.8 | 378.2 | 378.6 |
| 132.5° | 396.0 | 394.0 | 393.0 | 401.0 | 404.0 | 405.0 | 411.0 | 411.5 | 412.0 | 412.5 | 413.0 |
| 135° | 429.0 | 426.0 | 426.0 | 432.0 | 435.0 | 437.0 | 443.0 | 443.5 | 444.0 | 444.5 | 445.0 |
| 137.5° | 460.0 | 457.0 | 459.0 | 460.0 | 464.0 | 468.0 | 473.0 | 473.2 | 473.4 | 473.6 | 473.8 |
| 140° | 488.0 | 485.0 | 487.0 | 489.0 | 491.0 | 497.0 | 500.0 | 500.2 | 500.4 | 500.6 | 500.8 |
| 142.5° | 518.0 | 515.0 | 517.0 | 518.0 | 521.0 | 525.0 | 527.0 | 527.6 | 528.2 | 528.8 | 529.4 |
| 145° | 550.0 | 546.0 | 544.0 | 547.0 | 550.0 | 551.0 | 556.0 | 556.6 | 557.2 | 557.8 | 558.4 |
| 147.5° | 575.0 | 572.0 | 571.0 | 574.0 | 574.0 | 575.0 | 580.0 | 580.5 | 581.0 | 581.5 | 582.0 |
| 150° | 595.0 | 592.0 | 593.0 | 593.0 | 593.0 | 593.0 | 597.0 | 597.3 | 597.6 | 597.9 | 598.2 |
| 152.5° | 611.0 | 608.0 | 608.0 | 609.0 | 610.0 | 610.0 | 611.0 | 611.3 | 611.6 | 611.9 | 612.2 |
| 155° | 629.0 | 625.0 | 625.0 | 627.0 | 630.0 | 628.0 | 626.0 | 626.5 | 627.0 | 627.5 | 628.0 |
| 157.5° | 646.0 | 643.0 | 643.0 | 644.0 | 646.0 | 645.0 | 644.0 | 644.4 | 644.8 | 645.2 | 645.6 |
| 160° | 663.0 | 660.0 | 659.0 | 656.0 | 655.0 | 655.0 | 658.0 | 658.6 | 659.2 | 659.8 | 660.4 |
| 162.5° | 673.0 | 669.0 | 669.0 | 665.0 | 661.0 | 663.0 | 667.0 | 667.4 | 667.8 | 668.2 | 668.6 |
| 165° | 681.0 | 678.0 | 676.0 | 676.0 | 673.0 | 673.0 | 672.0 | 672.5 | 673.0 | 673.5 | 674.0 |
| 167.5° | 690.0 | 687.0 | 684.0 | 686.0 | 688.0 | 685.0 | 678.0 | 678.6 | 679.2 | 679.8 | 680.4 |
| 170° | 698.0 | 695.0 | 692.0 | 692.0 | 693.0 | 691.0 | 686.0 | 686.3 | 686.6 | 686.9 | 687.2 |
| 172.5° | 699.0 | 697.0 | 695.0 | 693.0 | 690.0 | 690.0 | 689.0 | 689.3 | 689.6 | 689.9 | 690.2 |
| 175° | 700.0 | 698.0 | 697.0 | 695.0 | 691.0 | 690.0 | 690.0 | 690.5 | 691.0 | 691.5 | 692.0 |
| 177.5° | 707.0 | 705.0 | 700.0 | 699.0 | 697.0 | 695.0 | 694.0 | 694.5 | 695.0 | 695.5 | 696.0 |
| 180° | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 |



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CATALOG NUMBER: IST-AF-800-LED-E1-SL3-7050-ULG

CANDELA DISTRIBUTION (continued):

| | 60° | 61° | 62° | 63° | 64° | 65° | 66° | 67° | 68° | 69° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1318.0 | 1318.0 | 1318.0 | 1318.0 | 1318.0 | 1318.0 | 1318.0 | 1318.0 | 1318.0 | 1318.0 | 1318.0 |
| 2.5° | 1338.1 | 1339.6 | 1338.1 | 1335.9 | 1338.1 | 1335.9 | 1335.1 | 1334.4 | 1335.1 | 1333.6 | 1332.9 |
| 5° | 1331.4 | 1332.9 | 1332.9 | 1328.4 | 1327.7 | 1330.7 | 1326.2 | 1327.7 | 1326.2 | 1324.7 | 1321.7 |
| 7.5° | 1299.4 | 1300.2 | 1300.9 | 1297.9 | 1300.2 | 1300.2 | 1298.7 | 1298.7 | 1297.2 | 1297.9 | 1295.0 |
| 10° | 1254.8 | 1257.8 | 1260.7 | 1259.3 | 1258.5 | 1265.2 | 1262.2 | 1264.5 | 1264.5 | 1262.2 | 1263.0 |
| 12.5° | 1206.4 | 1211.7 | 1215.4 | 1215.4 | 1218.3 | 1225.8 | 1225.0 | 1226.5 | 1232.5 | 1232.5 | 1230.2 |
| 15° | 1161.8 | 1167.0 | 1173.0 | 1177.4 | 1183.4 | 1188.6 | 1192.3 | 1198.3 | 1201.2 | 1201.2 | 1205.0 |
| 17.5° | 1126.9 | 1134.3 | 1141.0 | 1143.2 | 1151.4 | 1160.3 | 1162.6 | 1170.0 | 1174.5 | 1176.7 | 1181.2 |
| 20° | 1092.6 | 1100.8 | 1109.0 | 1116.4 | 1123.9 | 1134.3 | 1139.5 | 1144.0 | 1151.4 | 1155.9 | 1162.6 |
| 22.5° | 1052.5 | 1065.1 | 1075.5 | 1084.5 | 1097.1 | 1106.0 | 1116.4 | 1123.9 | 1132.8 | 1139.5 | 1144.7 |
| 25° | 1014.5 | 1031.7 | 1045.8 | 1054.7 | 1071.8 | 1084.5 | 1097.1 | 1108.3 | 1119.4 | 1129.1 | 1136.5 |
| 27.5° | 979.6 | 998.9 | 1016.0 | 1030.2 | 1048.8 | 1068.8 | 1081.5 | 1100.1 | 1115.0 | 1128.3 | 1137.3 |
| 30° | 962.5 | 978.8 | 996.7 | 1013.1 | 1031.7 | 1056.9 | 1077.8 | 1101.6 | 1120.2 | 1137.3 | 1150.7 |
| 32.5° | 966.2 | 981.1 | 996.7 | 1010.8 | 1030.2 | 1058.4 | 1080.0 | 1107.5 | 1135.0 | 1157.4 | 1174.5 |
| 35° | 995.9 | 1009.3 | 1019.8 | 1032.4 | 1049.5 | 1071.1 | 1094.1 | 1123.1 | 1157.4 | 1187.1 | 1209.4 |
| 37.5° | 1058.4 | 1062.1 | 1072.6 | 1082.2 | 1091.2 | 1111.2 | 1132.8 | 1157.4 | 1196.8 | 1228.0 | 1259.3 |
| 40° | 1135.8 | 1145.5 | 1155.1 | 1159.6 | 1170.0 | 1182.6 | 1192.3 | 1218.3 | 1253.3 | 1294.2 | 1328.4 |
| 42.5° | 1251.1 | 1254.8 | 1256.3 | 1257.8 | 1261.5 | 1270.4 | 1284.5 | 1308.3 | 1342.6 | 1379.0 | 1416.9 |
| 45° | 1380.5 | 1385.0 | 1389.4 | 1391.7 | 1386.4 | 1391.7 | 1406.5 | 1417.7 | 1451.2 | 1485.4 | 1533.7 |
| 47.5° | 1559.7 | 1546.4 | 1539.7 | 1548.6 | 1544.1 | 1555.3 | 1562.0 | 1568.7 | 1608.8 | 1649.7 | 1690.7 |
| 50° | 1789.6 | 1781.4 | 1771.0 | 1771.7 | 1779.9 | 1772.5 | 1776.9 | 1801.5 | 1814.9 | 1849.1 | 1903.4 |
| 52.5° | 2157.0 | 2131.7 | 2092.3 | 2075.2 | 2084.9 | 2078.9 | 2081.2 | 2086.4 | 2077.4 | 2109.4 | 2155.5 |
| 55° | 2610.7 | 2578.0 | 2552.0 | 2537.1 | 2482.1 | 2477.6 | 2441.2 | 2427.8 | 2398.8 | 2429.3 | 2418.8 |
| 57.5° | 2934.3 | 2913.5 | 2900.1 | 2855.4 | 2830.2 | 2779.6 | 2764.7 | 2746.9 | 2706.7 | 2726.8 | 2744.6 |
| 60° | 3559.1 | 3484.7 | 3459.4 | 3381.3 | 3355.3 | 3306.9 | 3245.2 | 3214.7 | 3193.9 | 3213.2 | 3201.3 |
| 62.5° | 4601.9 | 4498.5 | 4478.4 | 4293.2 | 4247.8 | 4136.3 | 4020.2 | 4004.6 | 3939.2 | 3898.3 | 3888.6 |
| 65° | 5620.2 | 5472.1 | 5361.3 | 5159.0 | 5022.1 | 4863.0 | 4685.9 | 4556.5 | 4423.4 | 4356.4 | 4267.9 |
| 66° | 5696.0 | 5637.3 | 5525.7 | 5407.4 | 5208.1 | 5034.0 | 4833.2 | 4693.4 | 4543.9 | 4426.4 | 4350.5 |
| 67.5° | 5566.6 | 5535.4 | 5495.9 | 5415.6 | 5290.7 | 5128.5 | 4938.1 | 4759.6 | 4579.6 | 4441.2 | 4320.0 |
| 70° | 4705.3 | 4739.5 | 4784.1 | 4763.3 | 4691.9 | 4628.7 | 4460.6 | 4360.9 | 4225.5 | 4044.0 | 3969.7 |
| 72.5° | 3551.6 | 3643.1 | 3611.9 | 3494.4 | 3439.3 | 3395.4 | 3334.5 | 3267.5 | 3073.4 | 3051.1 | 2963.3 |
| 75° | 2285.0 | 2254.5 | 2274.5 | 2131.7 | 2034.3 | 1994.1 | 1849.1 | 1789.6 | 1643.8 | 1549.3 | 1477.2 |
| 77.5° | 1204.2 | 1144.7 | 1098.6 | 972.9 | 882.9 | 830.1 | 759.4 | 676.1 | 548.2 | 540.7 | 424.0 |
| 80° | 558.6 | 513.2 | 471.6 | 427.7 | 383.8 | 325.8 | 282.6 | 230.6 | 203.8 | 174.8 | 162.9 |
| 82.5° | 379.3 | 350.3 | 325.0 | 296.0 | 262.6 | 222.4 | 191.9 | 162.9 | 139.1 | 125.0 | 113.8 |
| 85° | 343.6 | 312.4 | 284.1 | 247.7 | 212.7 | 179.3 | 146.5 | 121.2 | 98.9 | 86.3 | 78.8 |
| 87.5° | 334.0 | 295.3 | 265.5 | 226.1 | 191.9 | 157.7 | 126.4 | 98.2 | 76.6 | 62.5 | 53.6 |
| 90° | 50.4 | 53.6 | 41.1 | 39.8 | 22.2 | 26.1 | 21.6 | 16.4 | 17.2 | 15.0 | 15.7 |
| 92.5° | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 6.9 | 6.8 | 6.7 | 6.6 | 6.5 |
| 95° | 7.5 | 7.6 | 7.7 | 7.8 | 7.9 | 8.0 | 7.9 | 7.8 | 7.7 | 7.6 | 7.5 |
| 97.5° | 11.0 | 10.8 | 10.6 | 10.4 | 10.2 | 10.0 | 9.9 | 9.8 | 9.7 | 9.6 | 9.5 |
| 100° | 27.5 | 27.2 | 26.9 | 26.6 | 26.3 | 26.0 | 25.7 | 25.4 | 25.1 | 24.8 | 24.5 |
| 102.5° | 48.5 | 48.2 | 47.9 | 47.6 | 47.3 | 47.0 | 46.5 | 46.0 | 45.5 | 45.0 | 44.5 |
| 105° | 71.0 | 70.8 | 70.6 | 70.4 | 70.2 | 70.0 | 69.5 | 69.0 | 68.5 | 68.0 | 67.5 |
| 107.5° | 94.5 | 94.4 | 94.3 | 94.2 | 94.1 | 94.0 | 93.6 | 93.2 | 92.8 | 92.4 | 92.0 |



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CATALOG NUMBER: IST-AF-800-LED-E1-SL3-7050-ULG

CANDELA DISTRIBUTION (continued):

| | 60° | 61° | 62° | 63° | 64° | 65° | 66° | 67° | 68° | 69° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110° | 120.5 | 120.6 | 120.7 | 120.8 | 120.9 | 121.0 | 120.8 | 120.6 | 120.4 | 120.2 | 120.0 |
| 112.5° | 149.0 | 149.2 | 149.4 | 149.6 | 149.8 | 150.0 | 149.9 | 149.8 | 149.7 | 149.6 | 149.5 |
| 115° | 180.5 | 180.8 | 181.1 | 181.4 | 181.7 | 182.0 | 181.7 | 181.4 | 181.1 | 180.8 | 180.5 |
| 117.5° | 213.0 | 213.4 | 213.8 | 214.2 | 214.6 | 215.0 | 214.5 | 214.0 | 213.5 | 213.0 | 212.5 |
| 120° | 248.0 | 248.4 | 248.8 | 249.2 | 249.6 | 250.0 | 249.5 | 249.0 | 248.5 | 248.0 | 247.5 |
| 122.5° | 281.0 | 281.4 | 281.8 | 282.2 | 282.6 | 283.0 | 282.5 | 282.0 | 281.5 | 281.0 | 280.5 |
| 125° | 314.0 | 314.2 | 314.4 | 314.6 | 314.8 | 315.0 | 314.5 | 314.0 | 313.5 | 313.0 | 312.5 |
| 127.5° | 345.5 | 345.6 | 345.7 | 345.8 | 345.9 | 346.0 | 346.0 | 346.0 | 346.0 | 346.0 | 346.0 |
| 130° | 379.0 | 379.4 | 379.8 | 380.2 | 380.6 | 381.0 | 381.0 | 381.0 | 381.0 | 381.0 | 381.0 |
| 132.5° | 413.5 | 414.0 | 414.5 | 415.0 | 415.5 | 416.0 | 415.8 | 415.6 | 415.4 | 415.2 | 415.0 |
| 135° | 445.5 | 446.0 | 446.5 | 447.0 | 447.5 | 448.0 | 447.9 | 447.8 | 447.7 | 447.6 | 447.5 |
| 137.5° | 474.0 | 474.2 | 474.4 | 474.6 | 474.8 | 475.0 | 475.1 | 475.2 | 475.3 | 475.4 | 475.5 |
| 140° | 501.0 | 501.2 | 501.4 | 501.6 | 501.8 | 502.0 | 502.2 | 502.4 | 502.6 | 502.8 | 503.0 |
| 142.5° | 530.0 | 530.6 | 531.2 | 531.8 | 532.4 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 |
| 145° | 559.0 | 559.6 | 560.2 | 560.8 | 561.4 | 562.0 | 561.9 | 561.8 | 561.7 | 561.6 | 561.5 |
| 147.5° | 582.5 | 583.0 | 583.5 | 584.0 | 584.5 | 585.0 | 585.1 | 585.2 | 585.3 | 585.4 | 585.5 |
| 150° | 598.5 | 598.8 | 599.1 | 599.4 | 599.7 | 600.0 | 600.3 | 600.6 | 600.9 | 601.2 | 601.5 |
| 152.5° | 612.5 | 612.8 | 613.1 | 613.4 | 613.7 | 614.0 | 614.4 | 614.8 | 615.2 | 615.6 | 616.0 |
| 155° | 628.5 | 629.0 | 629.5 | 630.0 | 630.5 | 631.0 | 631.5 | 632.0 | 632.5 | 633.0 | 633.5 |
| 157.5° | 646.0 | 646.4 | 646.8 | 647.2 | 647.6 | 648.0 | 648.2 | 648.4 | 648.6 | 648.8 | 649.0 |
| 160° | 661.0 | 661.6 | 662.2 | 662.8 | 663.4 | 664.0 | 663.7 | 663.4 | 663.1 | 662.8 | 662.5 |
| 162.5° | 669.0 | 669.4 | 669.8 | 670.2 | 670.6 | 671.0 | 670.9 | 670.8 | 670.7 | 670.6 | 670.5 |
| 165° | 674.5 | 675.0 | 675.5 | 676.0 | 676.5 | 677.0 | 677.3 | 677.6 | 677.9 | 678.2 | 678.5 |
| 167.5° | 681.0 | 681.6 | 682.2 | 682.8 | 683.4 | 684.0 | 684.4 | 684.8 | 685.2 | 685.6 | 686.0 |
| 170° | 687.5 | 687.8 | 688.1 | 688.4 | 688.7 | 689.0 | 689.5 | 690.0 | 690.5 | 691.0 | 691.5 |
| 172.5° | 690.5 | 690.8 | 691.1 | 691.4 | 691.7 | 692.0 | 692.2 | 692.4 | 692.6 | 692.8 | 693.0 |
| 175° | 692.5 | 693.0 | 693.5 | 694.0 | 694.5 | 695.0 | 695.1 | 695.2 | 695.3 | 695.4 | 695.5 |
| 177.5° | 696.5 | 697.0 | 697.5 | 698.0 | 698.5 | 699.0 | 699.2 | 699.4 | 699.6 | 699.8 | 700.0 |
| 180° | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 |



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CATALOG NUMBER: IST-AF-800-LED-E1-SL3-7050-ULG

CANDELA DISTRIBUTION (continued):

| | 71° | 72° | 73° | 74° | 75° | 76° | 77° | 78° | 79° | 80° | 81° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1318.0 | 1318.0 | 1318.0 | 1318.0 | 1318.0 | 1318.0 | 1318.0 | 1318.0 | 1318.0 | 1318.0 | 1318.0 |
| 2.5° | 1331.4 | 1329.2 | 1331.4 | 1330.7 | 1327.7 | 1328.4 | 1329.2 | 1326.2 | 1324.7 | 1324.7 | 1324.0 |
| 5° | 1319.5 | 1318.0 | 1319.5 | 1318.8 | 1314.3 | 1313.6 | 1313.6 | 1311.3 | 1308.3 | 1306.1 | 1304.6 |
| 7.5° | 1291.2 | 1292.7 | 1292.0 | 1289.7 | 1287.5 | 1287.5 | 1285.3 | 1280.1 | 1277.1 | 1274.1 | 1271.2 |
| 10° | 1259.3 | 1259.3 | 1260.0 | 1259.3 | 1255.5 | 1254.0 | 1251.1 | 1248.1 | 1248.8 | 1241.4 | 1235.5 |
| 12.5° | 1231.0 | 1231.0 | 1230.2 | 1228.8 | 1226.5 | 1225.8 | 1225.8 | 1216.9 | 1214.6 | 1212.4 | 1205.7 |
| 15° | 1204.2 | 1205.7 | 1205.7 | 1205.7 | 1202.0 | 1202.0 | 1198.3 | 1192.3 | 1192.3 | 1185.6 | 1178.9 |
| 17.5° | 1183.4 | 1185.6 | 1184.9 | 1185.6 | 1186.4 | 1181.9 | 1175.2 | 1171.5 | 1167.0 | 1163.3 | 1154.4 |
| 20° | 1165.5 | 1167.0 | 1167.8 | 1167.8 | 1165.5 | 1162.6 | 1156.6 | 1150.7 | 1147.7 | 1140.2 | 1129.1 |
| 22.5° | 1149.2 | 1152.1 | 1152.9 | 1152.9 | 1149.9 | 1147.7 | 1141.7 | 1132.8 | 1126.9 | 1117.9 | 1107.5 |
| 25° | 1142.5 | 1146.2 | 1144.0 | 1145.5 | 1142.5 | 1137.3 | 1129.1 | 1121.7 | 1112.7 | 1101.6 | 1090.4 |
| 27.5° | 1144.7 | 1149.9 | 1148.4 | 1147.7 | 1144.0 | 1140.2 | 1129.8 | 1120.9 | 1110.5 | 1097.1 | 1083.0 |
| 30° | 1158.1 | 1167.0 | 1163.3 | 1160.3 | 1159.6 | 1150.7 | 1141.0 | 1128.3 | 1116.4 | 1100.8 | 1084.5 |
| 32.5° | 1183.4 | 1187.8 | 1188.6 | 1186.4 | 1182.6 | 1175.2 | 1161.8 | 1145.5 | 1132.1 | 1113.5 | 1094.1 |
| 35° | 1225.0 | 1229.5 | 1228.0 | 1228.0 | 1224.3 | 1212.4 | 1196.0 | 1179.7 | 1161.1 | 1140.2 | 1120.2 |
| 37.5° | 1283.1 | 1291.2 | 1289.7 | 1286.8 | 1282.3 | 1268.2 | 1255.5 | 1235.5 | 1214.6 | 1187.1 | 1164.0 |
| 40° | 1355.9 | 1368.6 | 1379.7 | 1377.5 | 1367.1 | 1354.5 | 1342.6 | 1319.5 | 1298.7 | 1268.2 | 1242.9 |
| 42.5° | 1454.1 | 1471.2 | 1485.4 | 1495.8 | 1491.3 | 1475.0 | 1454.1 | 1444.5 | 1414.7 | 1383.5 | 1357.4 |
| 45° | 1579.8 | 1615.5 | 1628.2 | 1640.8 | 1640.8 | 1630.4 | 1625.9 | 1606.6 | 1575.4 | 1533.7 | 1509.2 |
| 47.5° | 1745.7 | 1793.3 | 1807.4 | 1829.0 | 1841.6 | 1830.5 | 1822.3 | 1789.6 | 1768.8 | 1711.5 | 1705.5 |
| 50° | 1947.3 | 1994.9 | 2033.6 | 2058.8 | 2055.1 | 2064.8 | 2045.5 | 2026.9 | 1997.8 | 1951.0 | 1934.6 |
| 52.5° | 2204.6 | 2242.6 | 2277.5 | 2292.4 | 2308.0 | 2305.8 | 2301.3 | 2288.7 | 2252.2 | 2226.9 | 2185.3 |
| 55° | 2468.7 | 2499.9 | 2542.3 | 2566.9 | 2586.9 | 2583.2 | 2566.1 | 2535.6 | 2542.3 | 2489.5 | 2466.4 |
| 57.5° | 2769.2 | 2803.4 | 2849.5 | 2872.6 | 2881.5 | 2926.9 | 2915.7 | 2912.0 | 2899.3 | 2880.7 | 2856.9 |
| 60° | 3286.1 | 3295.8 | 3333.7 | 3391.7 | 3463.1 | 3449.0 | 3466.9 | 3478.8 | 3487.7 | 3446.0 | 3443.1 |
| 62.5° | 3902.0 | 3913.9 | 3946.6 | 3958.5 | 3968.9 | 3970.4 | 3946.6 | 3946.6 | 3905.7 | 3852.1 | 3810.5 |
| 65° | 4238.2 | 4213.6 | 4191.3 | 4178.7 | 4151.1 | 4126.6 | 4090.9 | 4042.6 | 3973.4 | 3890.8 | 3816.4 |
| 66° | 4286.5 | 4236.7 | 4207.7 | 4175.7 | 4131.8 | 4086.4 | 4044.0 | 3977.8 | 3896.8 | 3798.6 | 3700.4 |
| 67.5° | 4239.7 | 4171.2 | 4103.5 | 4056.7 | 3995.7 | 3913.9 | 3839.5 | 3762.1 | 3685.5 | 3550.9 | 3459.4 |
| 70° | 3812.0 | 3730.2 | 3655.8 | 3553.1 | 3456.4 | 3376.1 | 3248.2 | 3113.5 | 3002.7 | 2861.4 | 2771.4 |
| 72.5° | 2830.9 | 2734.2 | 2637.5 | 2493.2 | 2352.6 | 2331.8 | 2171.2 | 2012.7 | 1927.9 | 1814.1 | 1722.6 |
| 75° | 1398.3 | 1276.4 | 1103.1 | 1025.7 | 913.4 | 858.3 | 827.8 | 713.3 | 685.8 | 573.5 | 572.0 |
| 77.5° | 395.0 | 339.2 | 301.2 | 262.6 | 246.2 | 234.3 | 193.4 | 185.2 | 168.1 | 165.1 | 155.5 |
| 80° | 149.5 | 141.3 | 137.6 | 133.9 | 130.2 | 127.9 | 126.4 | 120.5 | 117.5 | 113.1 | 110.8 |
| 82.5° | 107.9 | 104.9 | 98.2 | 96.0 | 93.0 | 88.5 | 87.8 | 84.0 | 81.8 | 77.4 | 75.9 |
| 85° | 72.9 | 69.2 | 65.5 | 61.7 | 60.2 | 59.5 | 57.3 | 55.8 | 54.3 | 52.1 | 51.3 |
| 87.5° | 49.1 | 45.4 | 40.9 | 39.4 | 38.7 | 39.4 | 40.2 | 38.7 | 37.9 | 36.4 | 35.7 |
| 90° | 15.0 | 17.2 | 16.4 | 16.4 | 17.9 | 16.2 | 16.0 | 16.6 | 15.6 | 15.4 | 14.5 |
| 92.5° | 6.4 | 6.3 | 6.2 | 6.1 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 |
| 95° | 7.4 | 7.3 | 7.2 | 7.1 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| 97.5° | 9.4 | 9.3 | 9.2 | 9.1 | 9.0 | 8.9 | 8.8 | 8.7 | 8.6 | 8.5 | 8.4 |
| 100° | 24.2 | 23.9 | 23.6 | 23.3 | 23.0 | 22.6 | 22.2 | 21.8 | 21.4 | 21.0 | 20.6 |
| 102.5° | 44.0 | 43.5 | 43.0 | 42.5 | 42.0 | 41.7 | 41.4 | 41.1 | 40.8 | 40.5 | 40.2 |
| 105° | 67.0 | 66.5 | 66.0 | 65.5 | 65.0 | 64.6 | 64.2 | 63.8 | 63.4 | 63.0 | 62.6 |
| 107.5° | 91.6 | 91.2 | 90.8 | 90.4 | 90.0 | 89.7 | 89.4 | 89.1 | 88.8 | 88.5 | 88.2 |

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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

| | 71° | 72° | 73° | 74° | 75° | 76° | 77° | 78° | 79° | 80° | 81° | |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 110° | 119.8 | 119.6 | 119.4 | 119.2 | 119.0 | 118.7 | 118.4 | 118.1 | 117.8 | 117.5 | 117.2 | 0° |
| 112.5° | 149.4 | 149.3 | 149.2 | 149.1 | 149.0 | 148.8 | 148.6 | 148.4 | 148.2 | 148.0 | 147.8 | 2.5° |
| 115° | 180.2 | 179.9 | 179.6 | 179.3 | 179.0 | 178.8 | 178.6 | 178.4 | 178.2 | 178.0 | 177.8 | 5° |
| 117.5° | 212.0 | 211.5 | 211.0 | 210.5 | 210.0 | 209.8 | 209.6 | 209.4 | 209.2 | 209.0 | 208.8 | 7.5° |
| 120° | 247.0 | 246.5 | 246.0 | 245.5 | 245.0 | 244.8 | 244.6 | 244.4 | 244.2 | 244.0 | 243.8 | 10° |
| 122.5° | 280.0 | 279.5 | 279.0 | 278.5 | 278.0 | 277.8 | 277.6 | 277.4 | 277.2 | 277.0 | 276.8 | 12.5° |
| 125° | 312.0 | 311.5 | 311.0 | 310.5 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 15° |
| 127.5° | 346.0 | 346.0 | 346.0 | 346.0 | 346.0 | 345.9 | 345.8 | 345.7 | 345.6 | 345.5 | 345.4 | 17.5° |
| 130° | 381.0 | 381.0 | 381.0 | 381.0 | 381.0 | 380.8 | 380.6 | 380.4 | 380.2 | 380.0 | 379.8 | 20° |
| 132.5° | 414.8 | 414.6 | 414.4 | 414.2 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 22.5° |
| 135° | 447.4 | 447.3 | 447.2 | 447.1 | 447.0 | 447.3 | 447.6 | 447.9 | 448.2 | 448.5 | 448.8 | 25° |
| 137.5° | 475.6 | 475.7 | 475.8 | 475.9 | 476.0 | 476.5 | 477.0 | 477.5 | 478.0 | 478.5 | 479.0 | 27.5° |
| 140° | 503.2 | 503.4 | 503.6 | 503.8 | 504.0 | 504.5 | 505.0 | 505.5 | 506.0 | 506.5 | 507.0 | 30° |
| 142.5° | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.1 | 533.2 | 533.3 | 533.4 | 533.5 | 533.6 | 32.5° |
| 145° | 561.4 | 561.3 | 561.2 | 561.1 | 561.0 | 560.7 | 560.4 | 560.1 | 559.8 | 559.5 | 559.2 | 35° |
| 147.5° | 585.6 | 585.7 | 585.8 | 585.9 | 586.0 | 585.7 | 585.4 | 585.1 | 584.8 | 584.5 | 584.2 | 37.5° |
| 150° | 601.8 | 602.1 | 602.4 | 602.7 | 603.0 | 603.3 | 603.6 | 603.9 | 604.2 | 604.5 | 604.8 | 40° |
| 152.5° | 616.4 | 616.8 | 617.2 | 617.6 | 618.0 | 618.5 | 619.0 | 619.5 | 620.0 | 620.5 | 621.0 | 42.5° |
| 155° | 634.0 | 634.5 | 635.0 | 635.5 | 636.0 | 636.2 | 636.4 | 636.6 | 636.8 | 637.0 | 637.2 | 45° |
| 157.5° | 649.2 | 649.4 | 649.6 | 649.8 | 650.0 | 650.0 | 650.0 | 650.0 | 650.0 | 650.0 | 650.0 | 47.5° |
| 160° | 662.2 | 661.9 | 661.6 | 661.3 | 661.0 | 660.9 | 660.8 | 660.7 | 660.6 | 660.5 | 660.4 | 50° |
| 162.5° | 670.4 | 670.3 | 670.2 | 670.1 | 670.0 | 669.8 | 669.6 | 669.4 | 669.2 | 669.0 | 668.8 | 52.5° |
| 165° | 678.8 | 679.1 | 679.4 | 679.7 | 680.0 | 679.8 | 679.6 | 679.4 | 679.2 | 679.0 | 678.8 | 55° |
| 167.5° | 686.4 | 686.8 | 687.2 | 687.6 | 688.0 | 688.0 | 688.0 | 688.0 | 688.0 | 688.0 | 688.0 | 57.5° |
| 170° | 692.0 | 692.5 | 693.0 | 693.5 | 694.0 | 694.2 | 694.4 | 694.6 | 694.8 | 695.0 | 695.2 | 60° |
| 172.5° | 693.2 | 693.4 | 693.6 | 693.8 | 694.0 | 694.2 | 694.4 | 694.6 | 694.8 | 695.0 | 695.2 | 62.5° |
| 175° | 695.6 | 695.7 | 695.8 | 695.9 | 696.0 | 695.8 | 695.6 | 695.4 | 695.2 | 695.0 | 694.8 | 65° |
| 177.5° | 700.2 | 700.4 | 700.6 | 700.8 | 701.0 | 700.7 | 700.4 | 700.1 | 699.8 | 699.5 | 699.2 | 66° |
| 180° | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 67.5° |
| | | | | | | | | | | | | 70° |
| | | | | | | | | | | | | 72.5° |
| | | | | | | | | | | | | 75° |
| | | | | | | | | | | | | 77.5° |
| | | | | | | | | | | | | 80° |
| | | | | | | | | | | | | 82.5° |
| | | | | | | | | | | | | 85° |
| | | | | | | | | | | | | 87.5° |
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| | | | | | | | | | | | | 95° |
| | | | | | | | | | | | | 97.5° |
| | | | | | | | | | | | | 100° |
| | | | | | | | | | | | | 102.5° |
| | | | | | | | | | | | | 105° |
| | | | | | | | | | | | | 107.5° |

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 NUMBER: IST-AF-800-LED-E1-SL3-7050-ULG

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

| 82° | 83° | 84° | 85° | 86° | 87° | 88° | 89° | 90° | 95° | 105° | 82° | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 1318.0 | 1318.0 | 1318.0 | 1318.0 | 1318.0 | 1318.0 | 1318.0 | 1318.0 | 1318.0 | 1318.0 | 1318.0 | 110° | 116.9 |
| 1322.5 | 1320.2 | 1321.0 | 1318.0 | 1317.3 | 1318.8 | 1319.5 | 1319.5 | 1317.3 | 1303.9 | 1288.3 | 112.5° | 147.6 |
| 1303.1 | 1298.7 | 1297.9 | 1295.7 | 1292.0 | 1296.4 | 1294.2 | 1290.5 | 1286.0 | 1270.4 | 1239.9 | 115° | 177.6 |
| 1267.4 | 1264.5 | 1260.7 | 1257.8 | 1255.5 | 1254.0 | 1253.3 | 1249.6 | 1241.4 | 1212.4 | 1161.1 | 117.5° | 208.6 |
| 1233.2 | 1229.5 | 1225.0 | 1218.3 | 1215.4 | 1210.9 | 1210.9 | 1202.0 | 1196.0 | 1159.6 | 1083.7 | 120° | 243.6 |
| 1199.7 | 1193.1 | 1190.8 | 1186.4 | 1178.2 | 1174.5 | 1169.3 | 1160.3 | 1151.4 | 1107.5 | 1007.8 | 122.5° | 276.6 |
| 1174.5 | 1167.8 | 1158.1 | 1155.1 | 1146.2 | 1138.0 | 1131.3 | 1119.4 | 1109.8 | 1051.7 | 928.3 | 125° | 310.0 |
| 1146.9 | 1141.7 | 1131.3 | 1124.6 | 1115.0 | 1105.3 | 1094.1 | 1079.3 | 1072.6 | 998.9 | 852.4 | 127.5° | 345.3 |
| 1124.6 | 1112.7 | 1100.8 | 1094.9 | 1083.0 | 1071.8 | 1060.7 | 1042.8 | 1029.4 | 946.9 | 772.1 | 130° | 379.6 |
| 1098.6 | 1088.2 | 1075.5 | 1065.1 | 1048.8 | 1036.1 | 1023.5 | 1004.9 | 988.5 | 894.0 | 691.0 | 132.5° | 414.0 |
| 1080.7 | 1065.9 | 1052.5 | 1040.6 | 1022.0 | 1007.1 | 989.3 | 969.2 | 952.8 | 843.5 | 601.7 | 135° | 449.1 |
| 1070.3 | 1055.5 | 1038.3 | 1023.5 | 1001.9 | 984.8 | 965.5 | 943.1 | 922.3 | 802.6 | 517.7 | 137.5° | 479.5 |
| 1067.4 | 1049.5 | 1031.7 | 1013.1 | 990.7 | 969.2 | 946.1 | 923.8 | 897.0 | 763.1 | 426.2 | 140° | 507.5 |
| 1076.3 | 1054.7 | 1034.6 | 1012.3 | 986.3 | 961.7 | 938.7 | 909.7 | 882.9 | 728.9 | 336.2 | 142.5° | 533.7 |
| 1100.8 | 1074.8 | 1051.7 | 1027.2 | 997.4 | 970.7 | 943.1 | 910.4 | 880.7 | 705.1 | 257.4 | 145° | 558.9 |
| 1139.5 | 1115.0 | 1088.2 | 1063.6 | 1029.4 | 999.7 | 969.2 | 934.2 | 898.5 | 695.5 | 194.1 | 147.5° | 583.9 |
| 1217.6 | 1184.9 | 1157.4 | 1131.3 | 1091.9 | 1061.4 | 1026.4 | 984.0 | 943.9 | 704.4 | 162.1 | 150° | 605.1 |
| 1326.9 | 1286.0 | 1260.7 | 1237.7 | 1188.6 | 1155.1 | 1115.0 | 1066.6 | 1021.2 | 729.7 | 142.8 | 152.5° | 621.5 |
| 1477.9 | 1446.7 | 1401.3 | 1365.6 | 1315.8 | 1278.6 | 1234.0 | 1175.9 | 1125.4 | 765.4 | 133.1 | 155° | 637.4 |
| 1666.9 | 1625.9 | 1581.3 | 1544.9 | 1490.6 | 1425.9 | 1379.0 | 1309.1 | 1251.8 | 821.2 | 128.7 | 157.5° | 650.0 |
| 1898.2 | 1849.1 | 1788.8 | 1758.3 | 1683.2 | 1632.6 | 1570.2 | 1495.0 | 1422.1 | 907.4 | 130.9 | 160° | 660.3 |
| 2149.6 | 2096.8 | 2049.9 | 1991.9 | 1923.5 | 1866.9 | 1807.4 | 1727.8 | 1636.4 | 1071.1 | 139.8 | 162.5° | 668.6 |
| 2415.1 | 2380.9 | 2336.3 | 2261.2 | 2224.0 | 2152.6 | 2076.7 | 1988.9 | 1922.7 | 1283.8 | 161.4 | 165° | 678.6 |
| 2801.9 | 2764.7 | 2759.5 | 2685.9 | 2629.3 | 2564.6 | 2505.1 | 2432.2 | 2354.1 | 1661.7 | 212.0 | 167.5° | 688.0 |
| 3396.9 | 3358.3 | 3314.4 | 3257.1 | 3190.2 | 3109.8 | 3036.2 | 2938.0 | 2851.0 | 2040.2 | 235.8 | 170° | 695.4 |
| 3749.5 | 3678.1 | 3599.2 | 3512.2 | 3414.8 | 3315.1 | 3216.2 | 3090.5 | 2964.0 | 2063.3 | 212.7 | 172.5° | 695.4 |
| 3719.7 | 3631.2 | 3530.8 | 3412.6 | 3309.9 | 3187.2 | 3080.8 | 2918.7 | 2803.4 | 1837.2 | 173.3 | 175° | 694.6 |
| 3609.7 | 3488.4 | 3394.0 | 3285.4 | 3156.7 | 3046.6 | 2934.3 | 2774.4 | 2642.7 | 1684.7 | 158.4 | 177.5° | 698.9 |
| 3327.8 | 3224.4 | 3093.5 | 2989.3 | 2894.1 | 2762.5 | 2656.9 | 2507.4 | 2416.6 | 1460.8 | 142.1 | 180° | 700.0 |
| 2659.8 | 2517.0 | 2406.2 | 2325.1 | 2217.3 | 2098.3 | 2004.5 | 1878.8 | 1798.5 | 966.9 | 122.7 | | |
| 1549.3 | 1513.6 | 1389.4 | 1319.5 | 1254.0 | 1157.4 | 1083.0 | 1022.7 | 917.1 | 468.6 | 108.6 | | |
| 477.5 | 444.0 | 439.6 | 373.4 | 395.0 | 337.7 | 328.8 | 299.0 | 299.0 | 180.0 | 85.5 | | |
| 152.5 | 149.5 | 143.6 | 135.4 | 132.4 | 132.4 | 128.7 | 127.9 | 122.0 | 96.7 | 64.0 | | |
| 107.9 | 105.6 | 103.4 | 101.2 | 99.7 | 100.4 | 97.4 | 96.0 | 94.5 | 69.9 | 50.6 | | |
| 74.4 | 72.1 | 67.7 | 67.7 | 66.2 | 65.5 | 66.2 | 63.2 | 62.5 | 49.1 | 42.4 | | |
| 50.6 | 49.8 | 49.1 | 48.3 | 47.6 | 46.9 | 46.1 | 43.9 | 42.4 | 34.2 | 29.8 | | |
| 33.5 | 28.3 | 27.5 | 23.8 | 23.1 | 22.3 | 20.8 | 22.3 | 24.5 | 24.5 | 19.3 | | |
| 15.0 | 14.1 | 14.6 | 14.4 | 13.0 | 13.7 | 13.7 | 12.2 | 12.2 | 14.4 | 15.7 | | |
| 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | | |
| 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | | |
| 8.3 | 8.2 | 8.1 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 9.0 | | |
| 20.2 | 19.8 | 19.4 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 23.0 | | |
| 39.9 | 39.6 | 39.3 | 39.0 | 38.8 | 38.6 | 38.4 | 38.2 | 38.0 | 39.0 | 42.0 | | |
| 62.2 | 61.8 | 61.4 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 65.0 | | |
| 87.9 | 87.6 | 87.3 | 87.0 | 86.8 | 86.6 | 86.4 | 86.2 | 86.0 | 87.0 | 90.0 | | |

'226948
 IST-AF-800-LED-E1-SL3-7050-ULG

REPORT NUMBER: P226948
 CATALOG NUMBER: IST-AF-80

TION (continued):

CANDELA DISTRIBUTION (con

| 83° | 84° | 85° | 86° | 87° | 88° | 89° | 90° | 95° | 105° | | 115° | 125° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 116.6 | 116.3 | 116.0 | 116.2 | 116.4 | 116.6 | 116.8 | 117.0 | 116.0 | 119.0 | 0° | 1318.0 | 1318.0 |
| 147.4 | 147.2 | 147.0 | 147.0 | 147.0 | 147.0 | 147.0 | 147.0 | 147.0 | 149.0 | 2.5° | 1274.9 | 1263.0 |
| 177.4 | 177.2 | 177.0 | 177.2 | 177.4 | 177.6 | 177.8 | 178.0 | 177.0 | 179.0 | 5° | 1207.2 | 1180.4 |
| 208.4 | 208.2 | 208.0 | 208.2 | 208.4 | 208.6 | 208.8 | 209.0 | 208.0 | 210.0 | 7.5° | 1115.7 | 1063.6 |
| 243.4 | 243.2 | 243.0 | 243.0 | 243.0 | 243.0 | 243.0 | 243.0 | 243.0 | 245.0 | 10° | 1010.8 | 935.7 |
| 276.4 | 276.2 | 276.0 | 276.2 | 276.4 | 276.6 | 276.8 | 277.0 | 276.0 | 278.0 | 12.5° | 902.2 | 806.3 |
| 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 15° | 801.1 | 673.9 |
| 345.2 | 345.1 | 345.0 | 345.4 | 345.8 | 346.2 | 346.6 | 347.0 | 345.0 | 346.0 | 17.5° | 694.7 | 537.8 |
| 379.4 | 379.2 | 379.0 | 379.2 | 379.4 | 379.6 | 379.8 | 380.0 | 379.0 | 381.0 | 20° | 592.8 | 406.1 |
| 414.0 | 414.0 | 414.0 | 414.2 | 414.4 | 414.6 | 414.8 | 415.0 | 414.0 | 414.0 | 22.5° | 477.5 | 284.9 |
| 449.4 | 449.7 | 450.0 | 450.2 | 450.4 | 450.6 | 450.8 | 451.0 | 450.0 | 447.0 | 25° | 350.3 | 206.8 |
| 480.0 | 480.5 | 481.0 | 481.2 | 481.4 | 481.6 | 481.8 | 482.0 | 481.0 | 476.0 | 27.5° | 249.9 | 165.1 |
| 508.0 | 508.5 | 509.0 | 509.4 | 509.8 | 510.2 | 510.6 | 511.0 | 509.0 | 504.0 | 30° | 186.7 | 139.1 |
| 533.8 | 533.9 | 534.0 | 534.4 | 534.8 | 535.2 | 535.6 | 536.0 | 534.0 | 533.0 | 32.5° | 149.5 | 120.5 |
| 558.6 | 558.3 | 558.0 | 558.4 | 558.8 | 559.2 | 559.6 | 560.0 | 558.0 | 561.0 | 35° | 127.2 | 109.3 |
| 583.6 | 583.3 | 583.0 | 583.4 | 583.8 | 584.2 | 584.6 | 585.0 | 583.0 | 586.0 | 37.5° | 113.8 | 101.9 |
| 605.4 | 605.7 | 606.0 | 606.8 | 607.6 | 608.4 | 609.2 | 610.0 | 606.0 | 603.0 | 40° | 106.4 | 98.2 |
| 622.0 | 622.5 | 623.0 | 624.0 | 625.0 | 626.0 | 627.0 | 628.0 | 623.0 | 618.0 | 42.5° | 101.9 | 94.5 |
| 637.6 | 637.8 | 638.0 | 638.6 | 639.2 | 639.8 | 640.4 | 641.0 | 638.0 | 636.0 | 45° | 99.7 | 92.2 |
| 650.0 | 650.0 | 650.0 | 651.0 | 652.0 | 653.0 | 654.0 | 655.0 | 650.0 | 650.0 | 47.5° | 98.2 | 89.3 |
| 660.2 | 660.1 | 660.0 | 661.2 | 662.4 | 663.6 | 664.8 | 666.0 | 660.0 | 661.0 | 50° | 96.7 | 89.3 |
| 668.4 | 668.2 | 668.0 | 669.2 | 670.4 | 671.6 | 672.8 | 674.0 | 668.0 | 670.0 | 52.5° | 97.4 | 90.7 |
| 678.4 | 678.2 | 678.0 | 678.8 | 679.6 | 680.4 | 681.2 | 682.0 | 678.0 | 680.0 | 55° | 101.2 | 90.7 |
| 688.0 | 688.0 | 688.0 | 689.2 | 690.4 | 691.6 | 692.8 | 694.0 | 688.0 | 688.0 | 57.5° | 107.1 | 90.7 |
| 695.6 | 695.8 | 696.0 | 697.0 | 698.0 | 699.0 | 700.0 | 701.0 | 696.0 | 694.0 | 60° | 111.6 | 92.2 |
| 695.6 | 695.8 | 696.0 | 697.0 | 698.0 | 699.0 | 700.0 | 701.0 | 696.0 | 694.0 | 62.5° | 113.1 | 95.2 |
| 694.4 | 694.2 | 694.0 | 695.0 | 696.0 | 697.0 | 698.0 | 699.0 | 694.0 | 696.0 | 65° | 111.6 | 96.7 |
| 698.6 | 698.3 | 698.0 | 698.8 | 699.6 | 700.4 | 701.2 | 702.0 | 698.0 | 701.0 | 66° | 110.1 | 96.7 |
| 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 67.5° | 107.9 | 95.2 |
| | | | | | | | | | | 70° | 102.6 | 89.3 |
| | | | | | | | | | | 72.5° | 92.2 | 80.3 |
| | | | | | | | | | | 75° | 78.8 | 64.7 |
| | | | | | | | | | | 77.5° | 64.0 | 52.1 |
| | | | | | | | | | | 80° | 47.6 | 39.4 |
| | | | | | | | | | | 82.5° | 35.0 | 30.5 |
| | | | | | | | | | | 85° | 24.5 | 21.6 |
| | | | | | | | | | | 87.5° | 14.9 | 13.4 |
| | | | | | | | | | | 90° | 12.7 | 10.7 |
| | | | | | | | | | | 92.5° | 7.0 | 7.0 |
| | | | | | | | | | | 95° | 8.0 | 7.0 |
| | | | | | | | | | | 97.5° | 10.0 | 12.0 |
| | | | | | | | | | | 100° | 26.0 | 29.0 |
| | | | | | | | | | | 102.5° | 47.0 | 50.0 |
| | | | | | | | | | | 105° | 70.0 | 72.0 |
| | | | | | | | | | | 107.5° | 94.0 | 95.0 |



REPORT NUMBER: P226948

CATALOG NUMBER: IST-AF-800-LED-E1-S

0-LED-E1-SL3-7050-ULG

tinued):

| 135° | 145° | 155° | 165° | 175° | 180° |
|--------|--------|--------|--------|--------|--------|
| 1318.0 | 1318.0 | 1318.0 | 1318.0 | 1318.0 | 1318.0 |
| 1254.8 | 1254.0 | 1235.5 | 1231.7 | 1219.1 | 1225.8 |
| 1148.4 | 1135.8 | 1102.3 | 1095.6 | 1081.5 | 1077.8 |
| 1021.2 | 986.3 | 959.5 | 929.8 | 901.5 | 915.6 |
| 872.5 | 813.7 | 755.0 | 716.3 | 700.7 | 695.5 |
| 731.2 | 625.5 | 551.9 | 476.0 | 449.3 | 458.9 |
| 560.1 | 439.6 | 341.4 | 297.5 | 272.2 | 267.8 |
| 395.0 | 281.9 | 236.5 | 225.4 | 220.2 | 220.2 |
| 267.8 | 215.0 | 197.9 | 192.6 | 192.6 | 193.4 |
| 203.8 | 180.7 | 173.3 | 174.0 | 177.0 | 177.8 |
| 168.8 | 159.9 | 156.2 | 161.4 | 167.4 | 168.1 |
| 145.8 | 143.6 | 144.3 | 151.0 | 156.9 | 157.7 |
| 127.9 | 130.2 | 133.1 | 139.1 | 144.3 | 145.8 |
| 115.3 | 119.0 | 121.2 | 125.0 | 127.9 | 128.7 |
| 106.4 | 110.8 | 110.1 | 112.3 | 114.5 | 115.3 |
| 101.2 | 103.4 | 101.2 | 102.6 | 102.6 | 104.1 |
| 96.7 | 97.4 | 93.7 | 94.5 | 96.0 | 96.0 |
| 92.2 | 91.5 | 87.8 | 89.3 | 91.5 | 92.2 |
| 87.8 | 86.3 | 83.3 | 86.3 | 90.0 | 90.7 |
| 84.0 | 82.6 | 81.1 | 84.8 | 89.3 | 90.0 |
| 82.6 | 81.1 | 79.6 | 84.8 | 89.3 | 90.0 |
| 82.6 | 81.1 | 79.6 | 83.3 | 87.8 | 88.5 |
| 83.3 | 81.8 | 78.8 | 82.6 | 85.5 | 86.3 |
| 84.0 | 82.6 | 77.4 | 79.6 | 81.1 | 81.8 |
| 84.0 | 81.1 | 75.9 | 76.6 | 76.6 | 77.4 |
| 82.6 | 78.8 | 72.9 | 72.9 | 72.1 | 72.1 |
| 82.6 | 75.9 | 69.9 | 68.4 | 66.9 | 66.9 |
| 81.8 | 75.1 | 69.2 | 66.9 | 64.7 | 64.7 |
| 80.3 | 73.6 | 67.7 | 64.7 | 62.5 | 62.5 |
| 75.1 | 70.7 | 64.0 | 61.0 | 58.8 | 58.0 |
| 66.9 | 64.7 | 59.5 | 57.3 | 55.0 | 54.3 |
| 56.5 | 57.3 | 54.3 | 52.8 | 50.6 | 49.8 |
| 47.6 | 49.1 | 47.6 | 46.9 | 45.4 | 44.6 |
| 37.9 | 40.9 | 39.4 | 39.4 | 40.2 | 38.7 |
| 29.0 | 32.7 | 31.2 | 32.7 | 34.2 | 32.0 |
| 20.1 | 23.8 | 23.8 | 24.5 | 25.3 | 23.8 |
| 12.6 | 15.6 | 14.9 | 15.6 | 15.6 | 14.9 |
| 10.0 | 13.2 | 11.0 | 11.5 | 8.7 | 8.0 |
| 6.0 | 6.0 | 6.0 | 5.0 | 4.0 | 4.0 |
| 7.0 | 7.0 | 7.0 | 6.0 | 5.0 | 5.0 |
| 9.0 | 9.0 | 8.0 | 8.0 | 7.0 | 7.0 |
| 21.0 | 12.0 | 10.0 | 9.0 | 8.0 | 8.0 |
| 40.0 | 27.0 | 18.0 | 13.0 | 11.0 | 11.0 |
| 63.0 | 48.0 | 36.0 | 27.0 | 22.0 | 21.0 |
| 88.0 | 73.0 | 58.0 | 49.0 | 42.0 | 41.0 |

CANDELA DISTRIBUTION (continued):

| | 115° | 125° | 135° |
|--------|-------|-------|-------|
| 110° | 121.0 | 120.0 | 114.0 |
| 112.5° | 150.0 | 148.0 | 143.0 |
| 115° | 182.0 | 179.0 | 174.0 |
| 117.5° | 215.0 | 211.0 | 205.0 |
| 120° | 250.0 | 246.0 | 243.0 |
| 122.5° | 283.0 | 279.0 | 277.0 |
| 125° | 315.0 | 313.0 | 310.0 |
| 127.5° | 346.0 | 345.0 | 340.0 |
| 130° | 381.0 | 377.0 | 372.0 |
| 132.5° | 416.0 | 411.0 | 405.0 |
| 135° | 448.0 | 443.0 | 437.0 |
| 137.5° | 475.0 | 473.0 | 468.0 |
| 140° | 502.0 | 500.0 | 497.0 |
| 142.5° | 533.0 | 527.0 | 525.0 |
| 145° | 562.0 | 556.0 | 551.0 |
| 147.5° | 585.0 | 580.0 | 575.0 |
| 150° | 600.0 | 597.0 | 593.0 |
| 152.5° | 614.0 | 611.0 | 610.0 |
| 155° | 631.0 | 626.0 | 628.0 |
| 157.5° | 648.0 | 644.0 | 645.0 |
| 160° | 664.0 | 658.0 | 655.0 |
| 162.5° | 671.0 | 667.0 | 663.0 |
| 165° | 677.0 | 672.0 | 673.0 |
| 167.5° | 684.0 | 678.0 | 685.0 |
| 170° | 689.0 | 686.0 | 691.0 |
| 172.5° | 692.0 | 689.0 | 690.0 |
| 175° | 695.0 | 690.0 | 690.0 |
| 177.5° | 699.0 | 694.0 | 695.0 |
| 180° | 700.0 | 700.0 | 700.0 |



İL3-7050-ULG

| 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|
| 102.0 | 87.0 | 74.0 | 68.0 | 66.0 |
| 134.0 | 121.0 | 106.0 | 99.0 | 99.0 |
| 168.0 | 159.0 | 147.0 | 139.0 | 140.0 |
| 202.0 | 197.0 | 189.0 | 184.0 | 184.0 |
| 237.0 | 233.0 | 226.0 | 223.0 | 225.0 |
| 271.0 | 267.0 | 261.0 | 260.0 | 263.0 |
| 305.0 | 299.0 | 296.0 | 294.0 | 298.0 |
| 339.0 | 333.0 | 329.0 | 329.0 | 330.0 |
| 370.0 | 366.0 | 362.0 | 361.0 | 363.0 |
| 404.0 | 401.0 | 393.0 | 394.0 | 396.0 |
| 435.0 | 432.0 | 426.0 | 426.0 | 429.0 |
| 464.0 | 460.0 | 459.0 | 457.0 | 460.0 |
| 491.0 | 489.0 | 487.0 | 485.0 | 488.0 |
| 521.0 | 518.0 | 517.0 | 515.0 | 518.0 |
| 550.0 | 547.0 | 544.0 | 546.0 | 550.0 |
| 574.0 | 574.0 | 571.0 | 572.0 | 575.0 |
| 593.0 | 593.0 | 593.0 | 592.0 | 595.0 |
| 610.0 | 609.0 | 608.0 | 608.0 | 611.0 |
| 630.0 | 627.0 | 625.0 | 625.0 | 629.0 |
| 646.0 | 644.0 | 643.0 | 643.0 | 646.0 |
| 655.0 | 656.0 | 659.0 | 660.0 | 663.0 |
| 661.0 | 665.0 | 669.0 | 669.0 | 673.0 |
| 673.0 | 676.0 | 676.0 | 678.0 | 681.0 |
| 688.0 | 686.0 | 684.0 | 687.0 | 690.0 |
| 693.0 | 692.0 | 692.0 | 695.0 | 698.0 |
| 690.0 | 693.0 | 695.0 | 697.0 | 699.0 |
| 691.0 | 695.0 | 697.0 | 698.0 | 700.0 |
| 697.0 | 699.0 | 700.0 | 705.0 | 707.0 |
| 700.0 | 700.0 | 700.0 | 700.0 | 700.0 |

(END OF REPORT)