

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: P226945

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226945
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-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) 4000K CCT, 70 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6738.9 lumens
Efficiency: N/A
Efficacy: 111.9 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

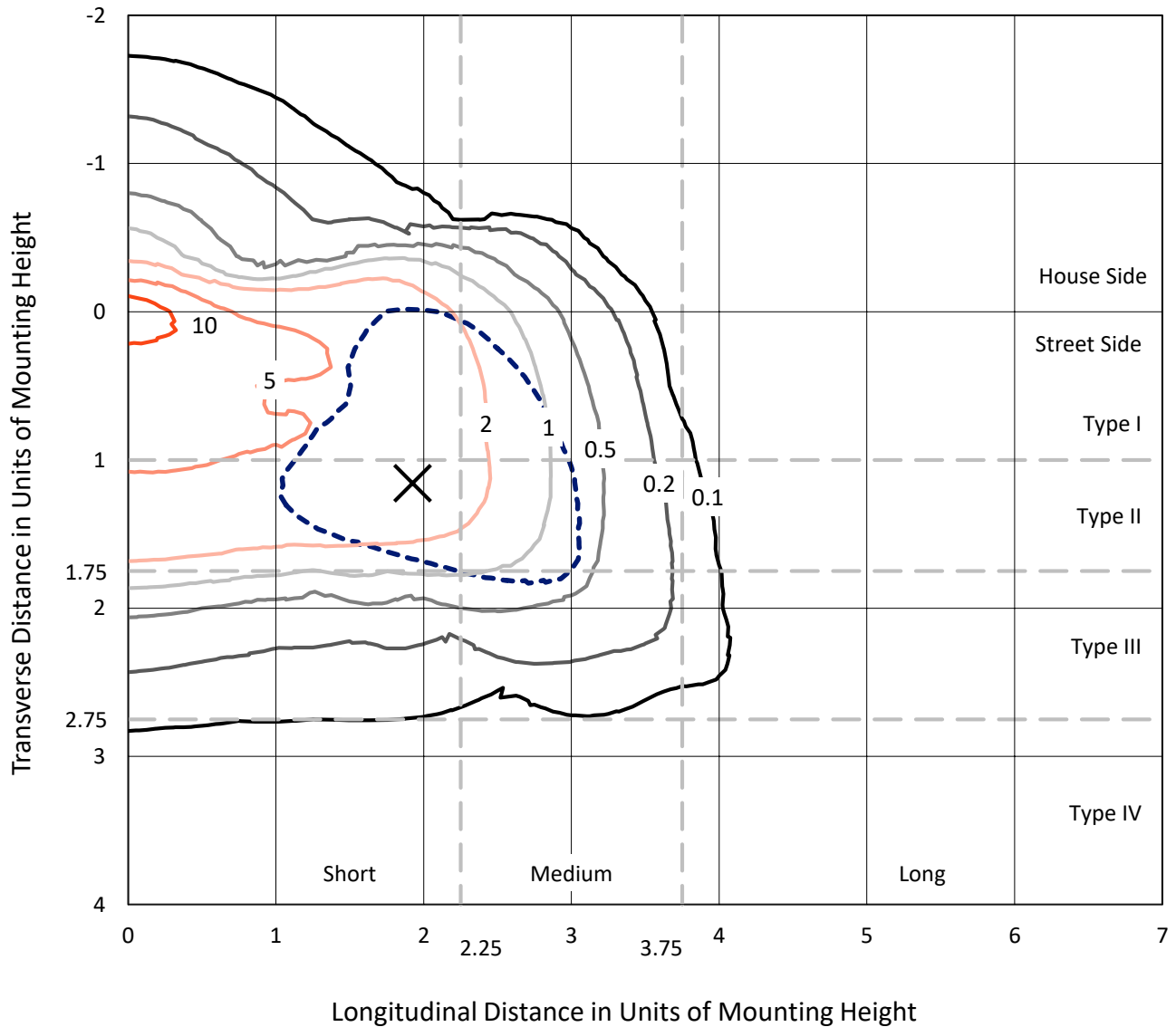
Input Watts (W): 60.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

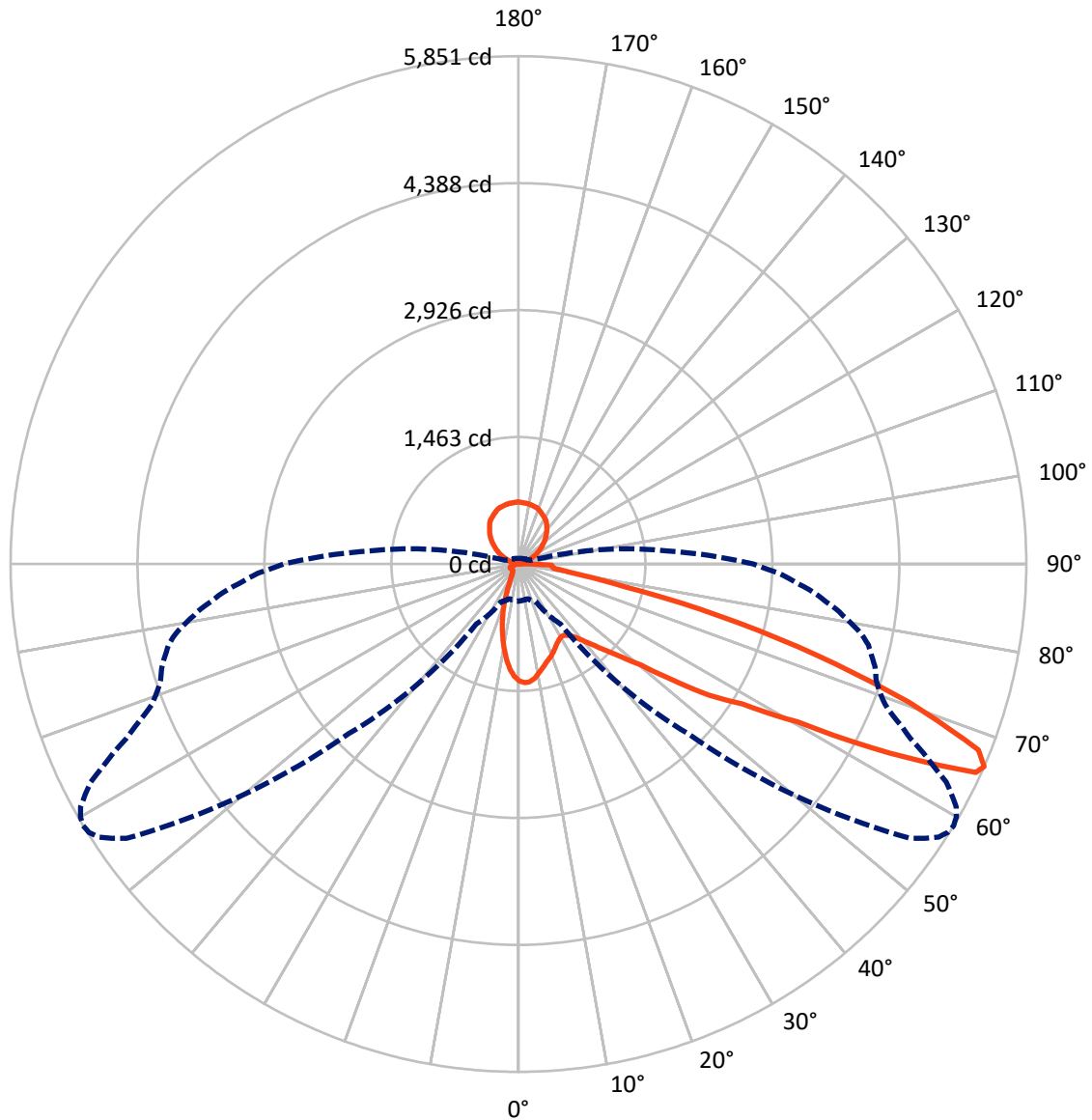
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.5 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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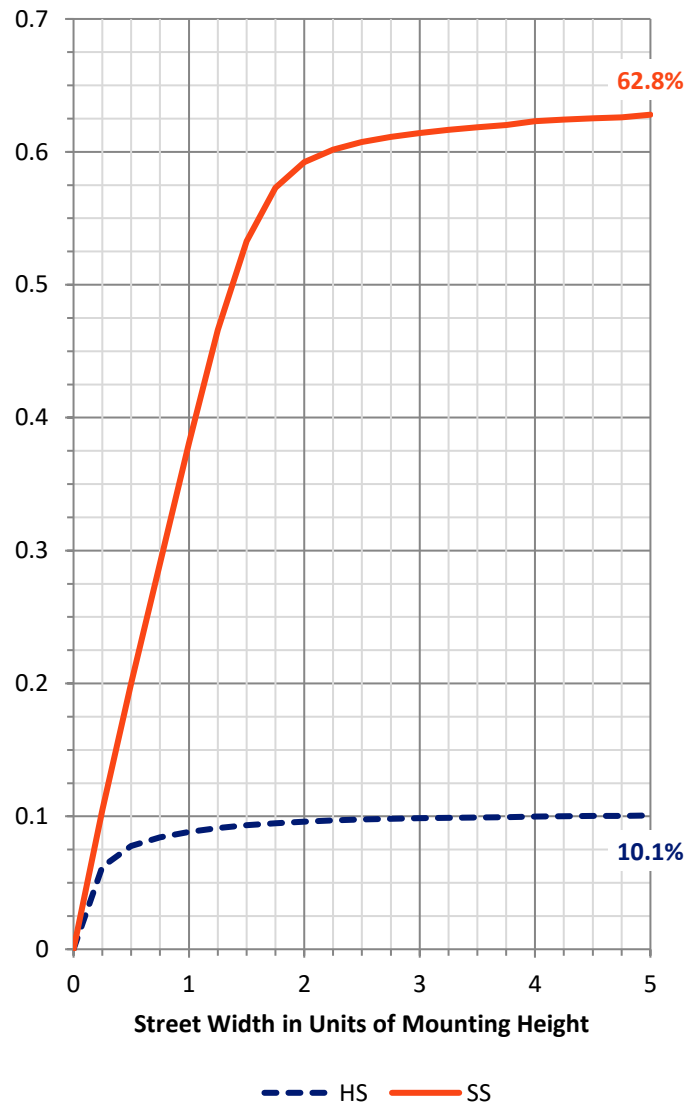
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 689.1 | 887.8 | 1576.9 |
| | % Fixture | 10.2 | 13.2 | 23.4 |
| Street Side | Lumens | 4272.7 | 889.3 | 5162.0 |
| | % Fixture | 63.4 | 13.2 | 76.6 |
| Total | Lumens | 4961.8 | 1777.1 | 6738.9 |
| | % Fixture | 73.6 | 26.4 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 114.9 | 1.7 |
| 10°-20° | 242.8 | 3.6 |
| 20°-30° | 304.5 | 4.5 |
| 30°-40° | 416.7 | 6.2 |
| 40°-50° | 670.3 | 9.9 |
| 50°-60° | 1164.7 | 17.3 |
| 60°-70° | 1415.1 | 21.0 |
| 70°-80° | 527.9 | 7.8 |
| 80°-90° | 104.9 | 1.6 |
| 90°-100° | 11.6 | 0.2 |
| 100°-110° | 58.7 | 0.9 |
| 110°-120° | 169.9 | 2.5 |
| 120°-130° | 279.4 | 4.1 |
| 130°-140° | 344.6 | 5.1 |
| 140°-150° | 352.5 | 5.2 |
| 150°-160° | 297.0 | 4.4 |
| 160°-170° | 195.5 | 2.9 |
| 170°-180° | 67.8 | 1.0 |
| 0°-90° | 4961.8 | 73.6 |
| 0°-180° | 6738.9 | 100.0 |



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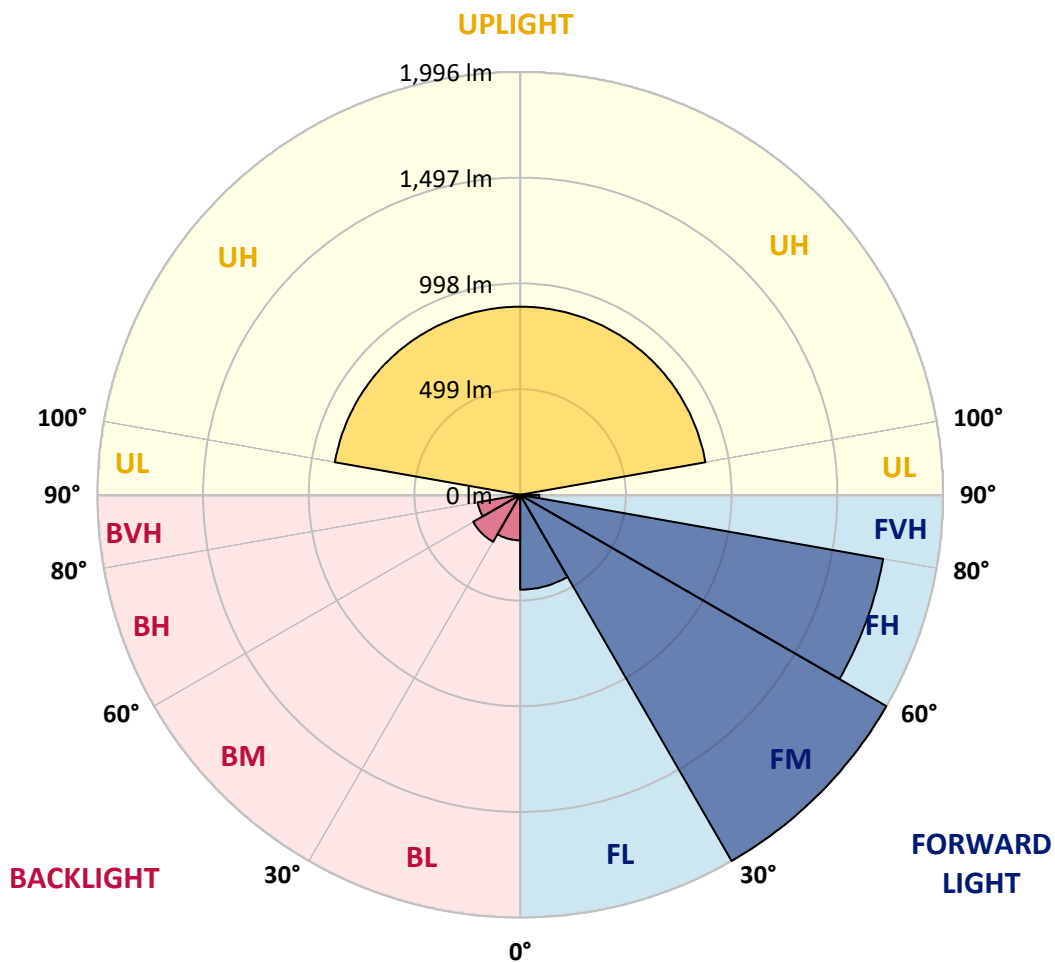
CATALOG NUMBER: IST-AF-800-LED-E1-SL3-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|---------|---------|
| | | | B | U | G |
| FL (0°-30°) | 447.5 | 6.6 | | | |
| FM (30°-60°) | 1995.6 | 29.6 | | | |
| FH (60°-80°) | 1739.4 | 25.8 | | | G1/1800 |
| FVH (80°-90°) | 90.1 | 1.3 | | | G1/100 |
| BL (0°-30°) | 214.7 | 3.2 | B1/500 | | |
| BM (30°-60°) | 256.0 | 3.8 | B1/1000 | | |
| BH (60°-80°) | 203.6 | 3.0 | B1/500 | | G1/500 |
| BVH (80°-90°) | 14.8 | 0.2 | | | G1/100 |
| UL (90°-100°) | 11.6 | 0.2 | | U2/50 | |
| UH (100°-180°) | 887.8 | 13.2 | | U4/1000 | |

BUG Rating: B1-U5-G1

Type II Short



REPORT NUMBER: P226945

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

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 56° | 57° | 58° | 59° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1348.2 | 1348.2 | 1348.2 | 1348.2 | 1348.2 | 1348.2 | 1348.2 | 1348.2 | 1348.2 | 1348.2 | 1348.2 |
| 2.5° | 1383.2 | 1378.7 | 1387.0 | 1384.1 | 1386.3 | 1374.8 | 1372.6 | 1370.3 | 1371.9 | 1369.5 | 1369.5 |
| 5° | 1350.5 | 1348.2 | 1358.2 | 1363.5 | 1368.1 | 1366.6 | 1365.7 | 1365.7 | 1366.6 | 1361.2 | 1362.0 |
| 7.5° | 1254.6 | 1253.1 | 1266.8 | 1276.7 | 1298.8 | 1311.7 | 1328.5 | 1329.2 | 1330.8 | 1328.5 | 1333.0 |
| 10° | 1152.8 | 1157.3 | 1169.4 | 1185.4 | 1218.1 | 1238.0 | 1269.9 | 1276.0 | 1278.3 | 1279.0 | 1279.8 |
| 12.5° | 1055.4 | 1050.8 | 1066.0 | 1096.4 | 1140.6 | 1172.5 | 1212.8 | 1215.9 | 1219.7 | 1225.0 | 1230.3 |
| 15° | 968.6 | 974.0 | 986.1 | 1018.0 | 1064.5 | 1109.4 | 1161.9 | 1164.9 | 1172.5 | 1177.1 | 1184.7 |
| 17.5° | 909.2 | 909.2 | 922.9 | 952.6 | 995.9 | 1053.0 | 1119.2 | 1124.5 | 1130.7 | 1136.7 | 1145.1 |
| 20° | 879.5 | 879.5 | 884.9 | 902.3 | 940.4 | 995.2 | 1075.1 | 1081.2 | 1091.9 | 1098.6 | 1110.1 |
| 22.5° | 877.3 | 876.6 | 875.7 | 879.5 | 902.3 | 945.0 | 1028.0 | 1036.4 | 1045.5 | 1056.1 | 1066.0 |
| 25° | 901.6 | 903.9 | 894.8 | 888.7 | 891.0 | 910.7 | 983.1 | 987.7 | 1005.2 | 1012.0 | 1024.2 |
| 27.5° | 936.6 | 940.4 | 932.8 | 923.7 | 910.0 | 897.0 | 945.0 | 952.6 | 964.0 | 975.5 | 990.6 |
| 30° | 986.8 | 986.1 | 985.3 | 979.3 | 952.6 | 912.3 | 933.5 | 938.9 | 948.8 | 957.9 | 970.9 |
| 32.5° | 1040.9 | 1047.0 | 1051.5 | 1048.5 | 1021.1 | 952.6 | 949.6 | 954.1 | 963.3 | 968.6 | 976.9 |
| 35° | 1110.8 | 1113.9 | 1131.4 | 1131.4 | 1104.1 | 1024.9 | 994.4 | 998.3 | 1002.8 | 1005.2 | 1011.2 |
| 37.5° | 1187.7 | 1198.4 | 1224.3 | 1239.5 | 1196.9 | 1114.7 | 1065.2 | 1065.2 | 1067.6 | 1069.0 | 1072.9 |
| 40° | 1276.7 | 1292.0 | 1327.7 | 1356.6 | 1329.2 | 1226.5 | 1158.1 | 1164.9 | 1162.6 | 1159.6 | 1167.9 |
| 42.5° | 1380.3 | 1396.9 | 1440.3 | 1467.7 | 1451.8 | 1361.2 | 1282.8 | 1278.3 | 1285.1 | 1276.0 | 1279.0 |
| 45° | 1500.5 | 1513.4 | 1557.5 | 1586.4 | 1599.4 | 1526.3 | 1446.5 | 1437.2 | 1437.2 | 1417.5 | 1425.9 |
| 47.5° | 1608.5 | 1612.3 | 1654.9 | 1705.9 | 1747.7 | 1749.2 | 1636.6 | 1630.6 | 1616.1 | 1603.2 | 1600.1 |
| 50° | 1708.9 | 1720.3 | 1747.7 | 1803.3 | 1890.7 | 1966.8 | 1898.4 | 1879.4 | 1863.4 | 1815.4 | 1829.9 |
| 52.5° | 1883.2 | 1905.2 | 1922.7 | 1956.2 | 2059.7 | 2214.2 | 2298.6 | 2268.9 | 2265.1 | 2221.7 | 2211.8 |
| 55° | 1915.9 | 1918.1 | 1975.9 | 2169.3 | 2412.7 | 2523.8 | 2685.9 | 2685.1 | 2697.3 | 2683.6 | 2670.6 |
| 57.5° | 1762.1 | 1743.9 | 1840.6 | 2095.4 | 2584.7 | 3155.3 | 3105.9 | 3111.2 | 3095.2 | 3053.4 | 3040.4 |
| 60° | 1372.6 | 1387.8 | 1492.1 | 1817.0 | 2460.7 | 3563.1 | 3889.6 | 3792.9 | 3862.2 | 3753.4 | 3694.8 |
| 62.5° | 772.3 | 754.7 | 825.5 | 1167.2 | 2018.6 | 3584.4 | 4957.1 | 4967.8 | 5001.2 | 4940.3 | 4797.3 |
| 65° | 498.4 | 490.8 | 484.0 | 590.4 | 1209.7 | 3135.5 | 5547.5 | 5678.4 | 5756.8 | 5788.7 | 5791.0 |
| 66° | 428.4 | 422.3 | 413.9 | 483.1 | 843.0 | 2762.7 | 5509.5 | 5649.5 | 5774.3 | 5833.6 | 5851.1 |
| 67.5° | 364.5 | 355.4 | 353.8 | 400.2 | 586.7 | 2143.4 | 5146.6 | 5366.4 | 5476.8 | 5630.4 | 5714.1 |
| 70° | 278.4 | 273.9 | 287.7 | 345.5 | 450.4 | 1008.9 | 4101.1 | 4387.9 | 4578.1 | 4698.4 | 4776.0 |
| 72.5° | 233.5 | 232.1 | 251.1 | 315.8 | 426.9 | 572.1 | 2870.8 | 3178.9 | 3377.5 | 3492.4 | 3598.9 |
| 75° | 182.6 | 184.1 | 209.2 | 301.3 | 424.5 | 498.4 | 1667.8 | 1961.5 | 2077.2 | 2258.3 | 2396.8 |
| 77.5° | 137.0 | 135.4 | 155.2 | 243.5 | 413.9 | 505.2 | 866.6 | 988.4 | 1115.4 | 1207.5 | 1240.9 |
| 80° | 95.9 | 97.4 | 111.1 | 167.4 | 322.6 | 519.7 | 540.2 | 568.4 | 595.1 | 624.7 | 630.8 |
| 82.5° | 63.9 | 64.7 | 82.1 | 114.9 | 223.7 | 496.1 | 504.4 | 491.5 | 471.0 | 445.1 | 417.0 |
| 85° | 38.8 | 40.3 | 58.6 | 77.6 | 173.5 | 448.9 | 521.9 | 487.7 | 456.5 | 422.3 | 388.0 |
| 87.5° | 19.7 | 22.1 | 35.0 | 45.6 | 102.7 | 221.4 | 543.3 | 518.1 | 475.6 | 423.1 | 385.0 |
| 90° | 10.4 | 10.4 | 14.7 | 19.6 | 28.7 | 52.1 | 144.1 | 130.6 | 69.2 | 124.9 | 65.8 |
| 92.5° | 4.1 | 4.1 | 5.1 | 6.1 | 6.1 | 6.1 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 |
| 95° | 5.1 | 5.1 | 6.1 | 7.2 | 7.2 | 7.2 | 7.2 | 7.3 | 7.4 | 7.5 | 7.6 |
| 97.5° | 7.2 | 7.2 | 8.2 | 8.2 | 9.2 | 9.2 | 12.3 | 12.1 | 11.9 | 11.7 | 11.5 |
| 100° | 8.2 | 8.2 | 9.2 | 10.2 | 12.3 | 21.5 | 29.7 | 29.4 | 29.1 | 28.7 | 28.4 |
| 102.5° | 11.3 | 11.3 | 13.3 | 18.4 | 27.6 | 40.9 | 51.1 | 50.8 | 50.5 | 50.2 | 49.9 |
| 105° | 21.5 | 22.5 | 27.6 | 36.8 | 49.1 | 64.4 | 73.7 | 73.4 | 73.2 | 73.0 | 72.8 |
| 107.5° | 41.9 | 43.0 | 50.1 | 59.3 | 74.7 | 90.0 | 97.2 | 97.1 | 97.0 | 96.9 | 96.8 |



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

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 56° | 57° | 58° | 59° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110° | 67.5 | 69.6 | 75.7 | 89.0 | 104.3 | 116.6 | 122.8 | 122.9 | 123.0 | 123.1 | 123.2 |
| 112.5° | 101.3 | 101.3 | 108.4 | 123.8 | 137.1 | 146.3 | 151.4 | 151.6 | 151.8 | 152.0 | 152.2 |
| 115° | 143.2 | 142.2 | 150.4 | 162.6 | 171.9 | 178.0 | 183.1 | 183.4 | 183.7 | 184.0 | 184.3 |
| 117.5° | 188.2 | 188.2 | 193.3 | 201.5 | 206.6 | 209.7 | 215.8 | 216.3 | 216.7 | 217.1 | 217.5 |
| 120° | 230.2 | 228.1 | 231.2 | 238.3 | 242.4 | 248.6 | 251.6 | 252.1 | 252.5 | 252.9 | 253.3 |
| 122.5° | 269.0 | 266.0 | 267.0 | 273.1 | 277.2 | 283.4 | 285.4 | 285.8 | 286.2 | 286.6 | 287.0 |
| 125° | 304.8 | 300.7 | 302.8 | 305.9 | 312.0 | 317.1 | 320.2 | 320.4 | 320.6 | 320.8 | 321.0 |
| 127.5° | 337.6 | 336.6 | 336.6 | 340.6 | 346.8 | 347.8 | 352.9 | 353.0 | 353.1 | 353.2 | 353.3 |
| 130° | 371.3 | 369.3 | 370.3 | 374.4 | 378.5 | 380.5 | 385.7 | 386.1 | 386.5 | 386.9 | 387.3 |
| 132.5° | 405.1 | 403.0 | 402.0 | 410.2 | 413.3 | 414.3 | 420.4 | 420.9 | 421.5 | 422.0 | 422.5 |
| 135° | 438.8 | 435.8 | 435.8 | 441.9 | 445.0 | 447.0 | 453.2 | 453.7 | 454.2 | 454.7 | 455.2 |
| 137.5° | 470.6 | 467.5 | 469.5 | 470.6 | 474.6 | 478.7 | 483.9 | 484.1 | 484.3 | 484.5 | 484.7 |
| 140° | 499.2 | 496.1 | 498.2 | 500.2 | 502.3 | 508.4 | 511.5 | 511.7 | 511.9 | 512.1 | 512.3 |
| 142.5° | 529.9 | 526.8 | 528.9 | 529.9 | 533.0 | 537.0 | 539.1 | 539.7 | 540.3 | 540.9 | 541.6 |
| 145° | 562.6 | 558.5 | 556.5 | 559.6 | 562.6 | 563.6 | 568.8 | 569.4 | 570.0 | 570.6 | 571.2 |
| 147.5° | 588.2 | 585.1 | 584.1 | 587.2 | 587.2 | 588.2 | 593.3 | 593.8 | 594.3 | 594.8 | 595.4 |
| 150° | 608.7 | 605.6 | 606.6 | 606.6 | 606.6 | 606.6 | 610.7 | 611.0 | 611.3 | 611.6 | 611.9 |
| 152.5° | 625.0 | 622.0 | 622.0 | 623.0 | 624.0 | 624.0 | 625.0 | 625.3 | 625.6 | 625.9 | 626.3 |
| 155° | 643.4 | 639.3 | 639.3 | 641.4 | 644.5 | 642.4 | 640.4 | 640.9 | 641.4 | 641.9 | 642.4 |
| 157.5° | 660.8 | 657.8 | 657.8 | 658.8 | 660.8 | 659.8 | 658.8 | 659.2 | 659.6 | 660.0 | 660.4 |
| 160° | 678.2 | 675.1 | 674.1 | 671.1 | 670.0 | 670.0 | 673.1 | 673.7 | 674.3 | 674.9 | 675.6 |
| 162.5° | 688.4 | 684.4 | 684.4 | 680.3 | 676.2 | 678.2 | 682.3 | 682.7 | 683.1 | 683.5 | 683.9 |
| 165° | 696.6 | 693.6 | 691.5 | 691.5 | 688.4 | 688.4 | 687.4 | 687.9 | 688.4 | 689.0 | 689.5 |
| 167.5° | 705.8 | 702.8 | 699.7 | 701.7 | 703.8 | 700.7 | 693.6 | 694.2 | 694.8 | 695.4 | 696.0 |
| 170° | 714.0 | 711.0 | 707.9 | 707.9 | 708.9 | 706.9 | 701.7 | 702.1 | 702.4 | 702.7 | 703.0 |
| 172.5° | 715.0 | 713.0 | 711.0 | 708.9 | 705.8 | 705.8 | 704.8 | 705.1 | 705.4 | 705.7 | 706.0 |
| 175° | 716.1 | 714.0 | 713.0 | 711.0 | 706.9 | 705.8 | 705.8 | 706.3 | 706.9 | 707.4 | 707.9 |
| 177.5° | 723.2 | 721.2 | 716.1 | 715.0 | 713.0 | 711.0 | 709.9 | 710.4 | 711.0 | 711.5 | 712.0 |
| 180° | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 |



REPORT NUMBER: P226945

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

CANDELA DISTRIBUTION (continued):

| | 60° | 61° | 62° | 63° | 64° | 65° | 66° | 67° | 68° | 69° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1348.2 | 1348.2 | 1348.2 | 1348.2 | 1348.2 | 1348.2 | 1348.2 | 1348.2 | 1348.2 | 1348.2 | 1348.2 |
| 2.5° | 1368.8 | 1370.3 | 1368.8 | 1366.6 | 1368.8 | 1366.6 | 1365.7 | 1365.0 | 1365.7 | 1364.2 | 1363.5 |
| 5° | 1362.0 | 1363.5 | 1363.5 | 1358.9 | 1358.2 | 1361.2 | 1356.6 | 1358.2 | 1356.6 | 1355.1 | 1352.0 |
| 7.5° | 1329.2 | 1330.0 | 1330.8 | 1327.7 | 1330.0 | 1330.0 | 1328.5 | 1328.5 | 1327.0 | 1327.7 | 1324.7 |
| 10° | 1283.6 | 1286.7 | 1289.6 | 1288.2 | 1287.4 | 1294.2 | 1291.2 | 1293.5 | 1293.5 | 1291.2 | 1292.0 |
| 12.5° | 1234.1 | 1239.5 | 1243.3 | 1243.3 | 1246.3 | 1253.9 | 1253.1 | 1254.6 | 1260.8 | 1260.8 | 1258.4 |
| 15° | 1188.5 | 1193.8 | 1199.9 | 1204.4 | 1210.6 | 1215.9 | 1219.7 | 1225.8 | 1228.8 | 1228.8 | 1232.7 |
| 17.5° | 1152.8 | 1160.3 | 1167.2 | 1169.4 | 1177.8 | 1186.9 | 1189.3 | 1196.9 | 1201.5 | 1203.7 | 1208.3 |
| 20° | 1117.7 | 1126.1 | 1134.5 | 1142.0 | 1149.7 | 1160.3 | 1165.7 | 1170.3 | 1177.8 | 1182.4 | 1189.3 |
| 22.5° | 1076.7 | 1089.5 | 1100.2 | 1109.4 | 1122.3 | 1131.4 | 1142.0 | 1149.7 | 1158.8 | 1165.7 | 1171.0 |
| 25° | 1037.8 | 1055.4 | 1069.8 | 1078.9 | 1096.4 | 1109.4 | 1122.3 | 1133.7 | 1145.1 | 1155.0 | 1162.6 |
| 27.5° | 1002.1 | 1021.8 | 1039.3 | 1053.8 | 1072.9 | 1093.3 | 1106.3 | 1125.3 | 1140.6 | 1154.2 | 1163.4 |
| 30° | 984.6 | 1001.3 | 1019.6 | 1036.4 | 1055.4 | 1081.2 | 1102.5 | 1126.9 | 1145.9 | 1163.4 | 1177.1 |
| 32.5° | 988.4 | 1003.6 | 1019.6 | 1034.0 | 1053.8 | 1082.7 | 1104.8 | 1132.9 | 1161.0 | 1184.0 | 1201.5 |
| 35° | 1018.8 | 1032.5 | 1043.2 | 1056.1 | 1073.6 | 1095.7 | 1119.2 | 1148.9 | 1184.0 | 1214.3 | 1237.2 |
| 37.5° | 1082.7 | 1086.5 | 1097.2 | 1107.0 | 1116.2 | 1136.7 | 1158.8 | 1184.0 | 1224.3 | 1256.2 | 1288.2 |
| 40° | 1161.9 | 1171.8 | 1181.6 | 1186.2 | 1196.9 | 1209.7 | 1219.7 | 1246.3 | 1282.1 | 1323.9 | 1358.9 |
| 42.5° | 1279.8 | 1283.6 | 1285.1 | 1286.7 | 1290.5 | 1299.6 | 1314.0 | 1338.3 | 1373.4 | 1410.6 | 1449.4 |
| 45° | 1412.2 | 1416.8 | 1421.3 | 1423.6 | 1418.2 | 1423.6 | 1438.8 | 1450.2 | 1484.5 | 1519.5 | 1568.9 |
| 47.5° | 1595.5 | 1581.9 | 1575.0 | 1584.1 | 1579.5 | 1591.0 | 1597.8 | 1604.7 | 1645.7 | 1687.6 | 1729.5 |
| 50° | 1830.7 | 1822.3 | 1811.6 | 1812.4 | 1820.8 | 1813.2 | 1817.7 | 1842.8 | 1856.6 | 1891.5 | 1947.1 |
| 52.5° | 2206.5 | 2180.6 | 2140.3 | 2122.8 | 2132.8 | 2126.6 | 2129.0 | 2134.3 | 2125.1 | 2157.8 | 2205.0 |
| 55° | 2670.6 | 2637.2 | 2610.6 | 2595.3 | 2539.1 | 2534.5 | 2497.2 | 2483.5 | 2453.9 | 2485.1 | 2474.3 |
| 57.5° | 3001.6 | 2980.4 | 2966.7 | 2920.9 | 2895.2 | 2843.4 | 2828.2 | 2809.9 | 2768.8 | 2789.4 | 2807.6 |
| 60° | 3640.8 | 3564.7 | 3538.8 | 3458.9 | 3432.3 | 3382.8 | 3319.7 | 3288.5 | 3267.2 | 3286.9 | 3274.8 |
| 62.5° | 4707.5 | 4601.7 | 4581.2 | 4391.7 | 4345.3 | 4231.2 | 4112.5 | 4096.5 | 4029.6 | 3987.8 | 3977.8 |
| 65° | 5749.2 | 5597.7 | 5484.3 | 5277.4 | 5137.4 | 4974.6 | 4793.4 | 4661.1 | 4524.9 | 4456.4 | 4365.9 |
| 66° | 5826.7 | 5766.7 | 5652.5 | 5531.5 | 5327.6 | 5149.5 | 4944.1 | 4801.1 | 4648.2 | 4528.0 | 4450.3 |
| 67.5° | 5694.4 | 5662.4 | 5622.0 | 5539.9 | 5412.1 | 5246.2 | 5051.4 | 4868.8 | 4684.7 | 4543.1 | 4419.1 |
| 70° | 4813.3 | 4848.3 | 4893.9 | 4872.6 | 4799.6 | 4734.9 | 4563.0 | 4461.0 | 4322.5 | 4136.8 | 4060.8 |
| 72.5° | 3633.1 | 3726.7 | 3694.8 | 3574.6 | 3518.2 | 3473.3 | 3411.0 | 3342.5 | 3143.9 | 3121.1 | 3031.3 |
| 75° | 2337.4 | 2306.2 | 2326.7 | 2180.6 | 2081.0 | 2039.9 | 1891.5 | 1830.7 | 1681.5 | 1584.9 | 1511.1 |
| 77.5° | 1231.8 | 1171.0 | 1123.8 | 995.2 | 903.2 | 849.2 | 776.8 | 691.6 | 560.8 | 553.1 | 433.7 |
| 80° | 571.4 | 525.0 | 482.4 | 437.5 | 392.6 | 333.3 | 289.1 | 235.9 | 208.5 | 178.8 | 166.6 |
| 82.5° | 388.0 | 358.3 | 332.5 | 302.8 | 268.6 | 227.5 | 196.3 | 166.6 | 142.3 | 127.9 | 116.4 |
| 85° | 351.5 | 319.6 | 290.6 | 253.4 | 217.6 | 183.4 | 149.9 | 124.0 | 101.2 | 88.3 | 80.6 |
| 87.5° | 341.7 | 302.1 | 271.6 | 231.3 | 196.3 | 161.3 | 129.3 | 100.5 | 78.4 | 63.9 | 54.8 |
| 90° | 51.6 | 54.8 | 42.0 | 40.7 | 22.7 | 26.7 | 22.1 | 16.8 | 17.6 | 15.3 | 16.1 |
| 92.5° | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.1 | 7.0 | 6.9 | 6.8 | 6.6 |
| 95° | 7.7 | 7.8 | 7.9 | 8.0 | 8.1 | 8.2 | 8.1 | 8.0 | 7.9 | 7.8 | 7.7 |
| 97.5° | 11.3 | 11.0 | 10.8 | 10.6 | 10.4 | 10.2 | 10.1 | 10.0 | 9.9 | 9.8 | 9.7 |
| 100° | 28.1 | 27.8 | 27.5 | 27.2 | 26.9 | 26.6 | 26.3 | 26.0 | 25.7 | 25.4 | 25.1 |
| 102.5° | 49.6 | 49.3 | 49.0 | 48.7 | 48.4 | 48.1 | 47.6 | 47.1 | 46.5 | 46.0 | 45.5 |
| 105° | 72.6 | 72.4 | 72.2 | 72.0 | 71.8 | 71.6 | 71.1 | 70.6 | 70.1 | 69.6 | 69.0 |
| 107.5° | 96.7 | 96.6 | 96.5 | 96.4 | 96.3 | 96.2 | 95.7 | 95.3 | 94.9 | 94.5 | 94.1 |



REPORT NUMBER: P226945

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

CANDELA DISTRIBUTION (continued):

| | 60° | 61° | 62° | 63° | 64° | 65° | 66° | 67° | 68° | 69° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110° | 123.3 | 123.4 | 123.5 | 123.6 | 123.7 | 123.8 | 123.6 | 123.4 | 123.2 | 123.0 | 122.8 |
| 112.5° | 152.4 | 152.6 | 152.8 | 153.0 | 153.2 | 153.4 | 153.3 | 153.2 | 153.1 | 153.0 | 152.9 |
| 115° | 184.6 | 184.9 | 185.3 | 185.6 | 185.9 | 186.2 | 185.9 | 185.6 | 185.3 | 184.9 | 184.6 |
| 117.5° | 217.9 | 218.3 | 218.7 | 219.1 | 219.5 | 219.9 | 219.4 | 218.9 | 218.4 | 217.9 | 217.4 |
| 120° | 253.7 | 254.1 | 254.5 | 254.9 | 255.3 | 255.7 | 255.2 | 254.7 | 254.2 | 253.7 | 253.2 |
| 122.5° | 287.4 | 287.9 | 288.3 | 288.7 | 289.1 | 289.5 | 289.0 | 288.5 | 288.0 | 287.4 | 286.9 |
| 125° | 321.2 | 321.4 | 321.6 | 321.8 | 322.0 | 322.2 | 321.7 | 321.2 | 320.7 | 320.2 | 319.7 |
| 127.5° | 353.4 | 353.5 | 353.6 | 353.7 | 353.8 | 353.9 | 353.9 | 353.9 | 353.9 | 353.9 | 353.9 |
| 130° | 387.7 | 388.1 | 388.5 | 388.9 | 389.3 | 389.7 | 389.7 | 389.7 | 389.7 | 389.7 | 389.7 |
| 132.5° | 423.0 | 423.5 | 424.0 | 424.5 | 425.0 | 425.5 | 425.3 | 425.1 | 424.9 | 424.7 | 424.5 |
| 135° | 455.7 | 456.2 | 456.7 | 457.3 | 457.8 | 458.3 | 458.2 | 458.1 | 458.0 | 457.9 | 457.8 |
| 137.5° | 484.9 | 485.1 | 485.3 | 485.5 | 485.7 | 485.9 | 486.0 | 486.1 | 486.2 | 486.3 | 486.4 |
| 140° | 512.5 | 512.7 | 512.9 | 513.1 | 513.3 | 513.5 | 513.7 | 513.9 | 514.1 | 514.3 | 514.5 |
| 142.5° | 542.2 | 542.8 | 543.4 | 544.0 | 544.6 | 545.2 | 545.2 | 545.2 | 545.2 | 545.2 | 545.2 |
| 145° | 571.8 | 572.4 | 573.1 | 573.7 | 574.3 | 574.9 | 574.8 | 574.7 | 574.6 | 574.5 | 574.4 |
| 147.5° | 595.9 | 596.4 | 596.9 | 597.4 | 597.9 | 598.4 | 598.5 | 598.6 | 598.7 | 598.8 | 598.9 |
| 150° | 612.2 | 612.5 | 612.8 | 613.2 | 613.5 | 613.8 | 614.1 | 614.4 | 614.7 | 615.0 | 615.3 |
| 152.5° | 626.6 | 626.9 | 627.2 | 627.5 | 627.8 | 628.1 | 628.5 | 628.9 | 629.3 | 629.7 | 630.1 |
| 155° | 642.9 | 643.4 | 643.9 | 644.5 | 645.0 | 645.5 | 646.0 | 646.5 | 647.0 | 647.5 | 648.0 |
| 157.5° | 660.8 | 661.2 | 661.6 | 662.1 | 662.5 | 662.9 | 663.1 | 663.3 | 663.5 | 663.7 | 663.9 |
| 160° | 676.2 | 676.8 | 677.4 | 678.0 | 678.6 | 679.2 | 678.9 | 678.6 | 678.3 | 678.0 | 677.7 |
| 162.5° | 684.4 | 684.8 | 685.2 | 685.6 | 686.0 | 686.4 | 686.3 | 686.2 | 686.1 | 686.0 | 685.9 |
| 165° | 690.0 | 690.5 | 691.0 | 691.5 | 692.0 | 692.5 | 692.8 | 693.2 | 693.5 | 693.8 | 694.1 |
| 167.5° | 696.6 | 697.2 | 697.9 | 698.5 | 699.1 | 699.7 | 700.1 | 700.5 | 700.9 | 701.3 | 701.7 |
| 170° | 703.3 | 703.6 | 703.9 | 704.2 | 704.5 | 704.8 | 705.3 | 705.8 | 706.3 | 706.9 | 707.4 |
| 172.5° | 706.3 | 706.7 | 707.0 | 707.3 | 707.6 | 707.9 | 708.1 | 708.3 | 708.5 | 708.7 | 708.9 |
| 175° | 708.4 | 708.9 | 709.4 | 709.9 | 710.4 | 711.0 | 711.1 | 711.2 | 711.3 | 711.4 | 711.5 |
| 177.5° | 712.5 | 713.0 | 713.5 | 714.0 | 714.5 | 715.0 | 715.2 | 715.5 | 715.7 | 715.9 | 716.1 |
| 180° | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 |



REPORT NUMBER: P226945

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

CANDELA DISTRIBUTION (continued):

| | 71° | 72° | 73° | 74° | 75° | 76° | 77° | 78° | 79° | 80° | 81° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1348.2 | 1348.2 | 1348.2 | 1348.2 | 1348.2 | 1348.2 | 1348.2 | 1348.2 | 1348.2 | 1348.2 | 1348.2 |
| 2.5° | 1362.0 | 1359.7 | 1362.0 | 1361.2 | 1358.2 | 1358.9 | 1359.7 | 1356.6 | 1355.1 | 1355.1 | 1354.4 |
| 5° | 1349.8 | 1348.2 | 1349.8 | 1349.1 | 1344.5 | 1343.7 | 1343.7 | 1341.4 | 1338.3 | 1336.1 | 1334.5 |
| 7.5° | 1320.8 | 1322.4 | 1321.7 | 1319.3 | 1317.0 | 1317.0 | 1314.8 | 1309.5 | 1306.4 | 1303.3 | 1300.4 |
| 10° | 1288.2 | 1288.2 | 1288.9 | 1288.2 | 1284.3 | 1282.8 | 1279.8 | 1276.7 | 1277.5 | 1269.9 | 1263.9 |
| 12.5° | 1259.3 | 1259.3 | 1258.4 | 1257.0 | 1254.6 | 1253.9 | 1253.9 | 1244.8 | 1242.5 | 1240.2 | 1233.4 |
| 15° | 1231.8 | 1233.4 | 1233.4 | 1233.4 | 1229.6 | 1229.6 | 1225.8 | 1219.7 | 1219.7 | 1212.8 | 1206.0 |
| 17.5° | 1210.6 | 1212.8 | 1212.1 | 1212.8 | 1213.6 | 1209.0 | 1202.2 | 1198.4 | 1193.8 | 1190.0 | 1180.9 |
| 20° | 1192.2 | 1193.8 | 1194.6 | 1194.6 | 1192.2 | 1189.3 | 1183.1 | 1177.1 | 1174.0 | 1166.4 | 1155.0 |
| 22.5° | 1175.6 | 1178.5 | 1179.4 | 1179.4 | 1176.3 | 1174.0 | 1167.9 | 1158.8 | 1152.8 | 1143.6 | 1132.9 |
| 25° | 1168.7 | 1172.5 | 1170.3 | 1171.8 | 1168.7 | 1163.4 | 1155.0 | 1147.4 | 1138.2 | 1126.9 | 1115.4 |
| 27.5° | 1171.0 | 1176.3 | 1174.8 | 1174.0 | 1170.3 | 1166.4 | 1155.7 | 1146.6 | 1136.0 | 1122.3 | 1107.9 |
| 30° | 1184.7 | 1193.8 | 1190.0 | 1186.9 | 1186.2 | 1177.1 | 1167.2 | 1154.2 | 1142.0 | 1126.1 | 1109.4 |
| 32.5° | 1210.6 | 1215.1 | 1215.9 | 1213.6 | 1209.7 | 1202.2 | 1188.5 | 1171.8 | 1158.1 | 1139.1 | 1119.2 |
| 35° | 1253.1 | 1257.7 | 1256.2 | 1256.2 | 1252.4 | 1240.2 | 1223.4 | 1206.8 | 1187.7 | 1166.4 | 1145.9 |
| 37.5° | 1312.5 | 1320.8 | 1319.3 | 1316.3 | 1311.7 | 1297.3 | 1284.3 | 1263.9 | 1242.5 | 1214.3 | 1190.7 |
| 40° | 1387.0 | 1400.0 | 1411.4 | 1409.1 | 1398.5 | 1385.6 | 1373.4 | 1349.8 | 1328.5 | 1297.3 | 1271.4 |
| 42.5° | 1487.5 | 1505.0 | 1519.5 | 1530.1 | 1525.5 | 1508.9 | 1487.5 | 1477.7 | 1447.2 | 1415.3 | 1388.6 |
| 45° | 1616.1 | 1652.6 | 1665.6 | 1678.5 | 1678.5 | 1667.8 | 1663.2 | 1643.5 | 1611.6 | 1568.9 | 1543.8 |
| 47.5° | 1785.8 | 1834.5 | 1848.9 | 1871.0 | 1883.9 | 1872.5 | 1864.1 | 1830.7 | 1809.4 | 1750.8 | 1744.6 |
| 50° | 1992.0 | 2040.7 | 2080.3 | 2106.1 | 2102.3 | 2112.2 | 2092.4 | 2073.4 | 2043.7 | 1995.8 | 1979.0 |
| 52.5° | 2255.2 | 2294.1 | 2329.8 | 2345.0 | 2361.0 | 2358.7 | 2354.1 | 2341.2 | 2303.9 | 2278.0 | 2235.5 |
| 55° | 2525.4 | 2557.3 | 2600.6 | 2625.8 | 2646.3 | 2642.5 | 2625.0 | 2593.8 | 2600.6 | 2546.6 | 2523.0 |
| 57.5° | 2832.8 | 2867.7 | 2914.9 | 2938.5 | 2947.6 | 2994.1 | 2982.6 | 2978.8 | 2965.8 | 2946.8 | 2922.5 |
| 60° | 3361.5 | 3371.4 | 3410.2 | 3469.5 | 3542.6 | 3528.2 | 3546.5 | 3558.6 | 3567.7 | 3525.1 | 3522.1 |
| 62.5° | 3991.6 | 4003.7 | 4037.2 | 4049.4 | 4060.0 | 4061.5 | 4037.2 | 4037.2 | 3995.3 | 3940.5 | 3898.0 |
| 65° | 4335.5 | 4310.3 | 4287.5 | 4274.6 | 4246.4 | 4221.3 | 4184.8 | 4135.4 | 4064.6 | 3980.1 | 3904.0 |
| 66° | 4384.9 | 4333.9 | 4304.3 | 4271.5 | 4226.6 | 4180.2 | 4136.8 | 4069.1 | 3986.2 | 3885.8 | 3785.3 |
| 67.5° | 4337.0 | 4266.9 | 4197.7 | 4149.8 | 4087.4 | 4003.7 | 3927.6 | 3848.4 | 3770.1 | 3632.4 | 3538.8 |
| 70° | 3899.5 | 3815.8 | 3739.7 | 3634.6 | 3535.7 | 3453.6 | 3322.7 | 3185.0 | 3071.6 | 2927.1 | 2835.0 |
| 72.5° | 2895.9 | 2797.0 | 2698.0 | 2550.4 | 2406.6 | 2385.3 | 2221.0 | 2058.9 | 1972.1 | 1855.7 | 1762.1 |
| 75° | 1430.4 | 1305.7 | 1128.4 | 1049.2 | 934.4 | 878.0 | 846.8 | 729.7 | 701.5 | 586.7 | 585.1 |
| 77.5° | 404.1 | 347.0 | 308.1 | 268.6 | 251.9 | 239.7 | 197.8 | 189.5 | 172.0 | 168.9 | 159.1 |
| 80° | 152.9 | 144.5 | 140.8 | 137.0 | 133.2 | 130.8 | 129.3 | 123.3 | 120.2 | 115.7 | 113.3 |
| 82.5° | 110.4 | 107.3 | 100.5 | 98.2 | 95.1 | 90.5 | 89.8 | 85.9 | 83.7 | 79.2 | 77.6 |
| 85° | 74.6 | 70.8 | 67.0 | 63.1 | 61.6 | 60.9 | 58.6 | 57.1 | 55.5 | 53.3 | 52.5 |
| 87.5° | 50.2 | 46.4 | 41.8 | 40.3 | 39.6 | 40.3 | 41.1 | 39.6 | 38.8 | 37.2 | 36.5 |
| 90° | 15.3 | 17.6 | 16.8 | 16.8 | 18.3 | 16.6 | 16.4 | 17.0 | 16.0 | 15.8 | 14.8 |
| 92.5° | 6.5 | 6.4 | 6.3 | 6.2 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 |
| 95° | 7.6 | 7.5 | 7.4 | 7.3 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 |
| 97.5° | 9.6 | 9.5 | 9.4 | 9.3 | 9.2 | 9.1 | 9.0 | 8.9 | 8.8 | 8.7 | 8.6 |
| 100° | 24.8 | 24.4 | 24.1 | 23.8 | 23.5 | 23.1 | 22.7 | 22.3 | 21.9 | 21.5 | 21.1 |
| 102.5° | 45.0 | 44.5 | 44.0 | 43.5 | 43.0 | 42.7 | 42.4 | 42.0 | 41.7 | 41.4 | 41.1 |
| 105° | 68.5 | 68.0 | 67.5 | 67.0 | 66.5 | 66.1 | 65.7 | 65.3 | 64.9 | 64.4 | 64.0 |
| 107.5° | 93.7 | 93.3 | 92.9 | 92.5 | 92.1 | 91.8 | 91.5 | 91.1 | 90.8 | 90.5 | 90.2 |



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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

| | 71° | 72° | 73° | 74° | 75° | 76° | 77° | 78° | 79° | 80° | 81° | |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 110° | 122.5 | 122.3 | 122.1 | 121.9 | 121.7 | 121.4 | 121.1 | 120.8 | 120.5 | 120.2 | 119.9 | 0° |
| 112.5° | 152.8 | 152.7 | 152.6 | 152.5 | 152.4 | 152.2 | 152.0 | 151.8 | 151.6 | 151.4 | 151.2 | 2.5° |
| 115° | 184.3 | 184.0 | 183.7 | 183.4 | 183.1 | 182.9 | 182.7 | 182.5 | 182.3 | 182.1 | 181.9 | 5° |
| 117.5° | 216.9 | 216.4 | 215.8 | 215.3 | 214.8 | 214.6 | 214.4 | 214.2 | 214.0 | 213.8 | 213.6 | 7.5° |
| 120° | 252.7 | 252.2 | 251.6 | 251.1 | 250.6 | 250.4 | 250.2 | 250.0 | 249.8 | 249.6 | 249.4 | 10° |
| 122.5° | 286.4 | 285.9 | 285.4 | 284.9 | 284.4 | 284.2 | 284.0 | 283.8 | 283.6 | 283.4 | 283.2 | 12.5° |
| 125° | 319.2 | 318.6 | 318.1 | 317.6 | 317.1 | 317.1 | 317.1 | 317.1 | 317.1 | 317.1 | 317.1 | 15° |
| 127.5° | 353.9 | 353.9 | 353.9 | 353.9 | 353.9 | 353.8 | 353.7 | 353.6 | 353.5 | 353.4 | 353.3 | 17.5° |
| 130° | 389.7 | 389.7 | 389.7 | 389.7 | 389.7 | 389.5 | 389.3 | 389.1 | 388.9 | 388.7 | 388.5 | 20° |
| 132.5° | 424.3 | 424.1 | 423.9 | 423.7 | 423.5 | 423.5 | 423.5 | 423.5 | 423.5 | 423.5 | 423.5 | 22.5° |
| 135° | 457.7 | 457.6 | 457.5 | 457.4 | 457.3 | 457.6 | 457.9 | 458.2 | 458.5 | 458.8 | 459.1 | 25° |
| 137.5° | 486.5 | 486.6 | 486.7 | 486.8 | 486.9 | 487.4 | 487.9 | 488.5 | 489.0 | 489.5 | 490.0 | 27.5° |
| 140° | 514.7 | 515.0 | 515.2 | 515.4 | 515.6 | 516.1 | 516.6 | 517.1 | 517.6 | 518.1 | 518.6 | 30° |
| 142.5° | 545.2 | 545.2 | 545.2 | 545.2 | 545.2 | 545.3 | 545.4 | 545.5 | 545.6 | 545.7 | 545.8 | 32.5° |
| 145° | 574.3 | 574.2 | 574.1 | 574.0 | 573.9 | 573.6 | 573.3 | 573.0 | 572.6 | 572.3 | 572.0 | 35° |
| 147.5° | 599.0 | 599.1 | 599.2 | 599.3 | 599.4 | 599.1 | 598.8 | 598.5 | 598.2 | 597.9 | 597.6 | 37.5° |
| 150° | 615.6 | 615.9 | 616.2 | 616.5 | 616.8 | 617.1 | 617.5 | 617.8 | 618.1 | 618.4 | 618.7 | 40° |
| 152.5° | 630.5 | 631.0 | 631.4 | 631.8 | 632.2 | 632.7 | 633.2 | 633.7 | 634.2 | 634.7 | 635.3 | 42.5° |
| 155° | 648.6 | 649.1 | 649.6 | 650.1 | 650.6 | 650.8 | 651.0 | 651.2 | 651.4 | 651.6 | 651.8 | 45° |
| 157.5° | 664.1 | 664.3 | 664.5 | 664.7 | 664.9 | 664.9 | 664.9 | 664.9 | 664.9 | 664.9 | 664.9 | 47.5° |
| 160° | 677.4 | 677.1 | 676.8 | 676.5 | 676.2 | 676.1 | 676.0 | 675.9 | 675.8 | 675.7 | 675.6 | 50° |
| 162.5° | 685.8 | 685.7 | 685.6 | 685.5 | 685.4 | 685.2 | 685.0 | 684.8 | 684.6 | 684.4 | 684.1 | 52.5° |
| 165° | 694.4 | 694.7 | 695.0 | 695.3 | 695.6 | 695.4 | 695.2 | 695.0 | 694.8 | 694.6 | 694.4 | 55° |
| 167.5° | 702.2 | 702.6 | 703.0 | 703.4 | 703.8 | 703.8 | 703.8 | 703.8 | 703.8 | 703.8 | 703.8 | 57.5° |
| 170° | 707.9 | 708.4 | 708.9 | 709.4 | 709.9 | 710.1 | 710.3 | 710.5 | 710.7 | 711.0 | 711.2 | 60° |
| 172.5° | 709.1 | 709.3 | 709.5 | 709.7 | 709.9 | 710.1 | 710.3 | 710.5 | 710.7 | 711.0 | 711.2 | 62.5° |
| 175° | 711.6 | 711.7 | 711.8 | 711.9 | 712.0 | 711.8 | 711.6 | 711.4 | 711.2 | 711.0 | 710.7 | 65° |
| 177.5° | 716.3 | 716.5 | 716.7 | 716.9 | 717.1 | 716.8 | 716.5 | 716.2 | 715.9 | 715.6 | 715.2 | 66° |
| 180° | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 67.5° |
| | | | | | | | | | | | | 70° |
| | | | | | | | | | | | | 72.5° |
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| | | | | | | | | | | | | 77.5° |
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| | | | | | | | | | | | | 97.5° |
| | | | | | | | | | | | | 100° |
| | | | | | | | | | | | | 102.5° |
| | | | | | | | | | | | | 105° |
| | | | | | | | | | | | | 107.5° |

NUMBER: P226945
 NUMBER: IST-AF-800-LED-E1-SL3-ULG

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

| 82° | 83° | 84° | 85° | 86° | 87° | 88° | 89° | 90° | 95° | 105° | 82° | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 1348.2 | 1348.2 | 1348.2 | 1348.2 | 1348.2 | 1348.2 | 1348.2 | 1348.2 | 1348.2 | 1348.2 | 1348.2 | 110° | 119.6 |
| 1352.9 | 1350.5 | 1351.3 | 1348.2 | 1347.5 | 1349.1 | 1349.8 | 1349.8 | 1347.5 | 1333.8 | 1317.9 | 112.5° | 151.0 |
| 1333.0 | 1328.5 | 1327.7 | 1325.4 | 1321.7 | 1326.2 | 1323.9 | 1320.1 | 1315.5 | 1299.6 | 1268.4 | 115° | 181.7 |
| 1296.5 | 1293.5 | 1289.6 | 1286.7 | 1284.3 | 1282.8 | 1282.1 | 1278.3 | 1269.9 | 1240.2 | 1187.7 | 117.5° | 213.4 |
| 1261.5 | 1257.7 | 1253.1 | 1246.3 | 1243.3 | 1238.7 | 1238.7 | 1229.6 | 1223.4 | 1186.2 | 1108.6 | 120° | 249.2 |
| 1227.2 | 1220.5 | 1218.1 | 1213.6 | 1205.2 | 1201.5 | 1196.1 | 1186.9 | 1177.8 | 1132.9 | 1030.9 | 122.5° | 282.9 |
| 1201.5 | 1194.6 | 1184.7 | 1181.6 | 1172.5 | 1164.1 | 1157.3 | 1145.1 | 1135.3 | 1075.8 | 949.6 | 125° | 317.1 |
| 1173.2 | 1167.9 | 1157.3 | 1150.4 | 1140.6 | 1130.7 | 1119.2 | 1104.1 | 1097.2 | 1021.8 | 872.0 | 127.5° | 353.2 |
| 1150.4 | 1138.2 | 1126.1 | 1120.0 | 1107.9 | 1096.4 | 1085.0 | 1066.7 | 1053.0 | 968.6 | 789.8 | 130° | 388.3 |
| 1123.8 | 1113.2 | 1100.2 | 1089.5 | 1072.9 | 1059.9 | 1047.0 | 1028.0 | 1011.2 | 914.5 | 706.9 | 132.5° | 423.5 |
| 1105.5 | 1090.4 | 1076.7 | 1064.5 | 1045.5 | 1030.2 | 1012.0 | 991.4 | 974.7 | 862.9 | 615.5 | 135° | 459.4 |
| 1094.9 | 1079.7 | 1062.1 | 1047.0 | 1024.9 | 1007.4 | 987.7 | 964.7 | 943.5 | 821.0 | 529.6 | 137.5° | 490.5 |
| 1091.9 | 1073.6 | 1055.4 | 1036.4 | 1013.4 | 991.4 | 967.8 | 945.0 | 917.6 | 780.6 | 436.0 | 140° | 519.1 |
| 1101.0 | 1078.9 | 1058.3 | 1035.5 | 1008.9 | 983.8 | 960.2 | 930.6 | 903.2 | 745.6 | 343.9 | 142.5° | 545.9 |
| 1126.1 | 1099.5 | 1075.8 | 1050.8 | 1020.3 | 993.0 | 964.7 | 931.3 | 900.9 | 721.3 | 263.3 | 145° | 571.7 |
| 1165.7 | 1140.6 | 1113.2 | 1088.0 | 1053.0 | 1022.6 | 991.4 | 955.6 | 919.1 | 711.5 | 198.6 | 147.5° | 597.3 |
| 1245.5 | 1212.1 | 1184.0 | 1157.3 | 1117.0 | 1085.8 | 1050.0 | 1006.6 | 965.6 | 720.6 | 165.8 | 150° | 619.0 |
| 1357.4 | 1315.5 | 1289.6 | 1266.1 | 1215.9 | 1181.6 | 1140.6 | 1091.1 | 1044.6 | 746.4 | 146.1 | 152.5° | 635.8 |
| 1511.8 | 1479.9 | 1433.5 | 1396.9 | 1346.0 | 1307.9 | 1262.3 | 1202.9 | 1151.2 | 783.0 | 136.2 | 155° | 652.0 |
| 1705.2 | 1663.2 | 1617.6 | 1580.4 | 1524.8 | 1458.6 | 1410.6 | 1339.1 | 1280.5 | 840.0 | 131.7 | 157.5° | 664.9 |
| 1941.8 | 1891.5 | 1829.9 | 1798.7 | 1721.8 | 1670.1 | 1606.2 | 1529.3 | 1454.7 | 928.2 | 133.9 | 160° | 675.5 |
| 2198.9 | 2144.9 | 2096.9 | 2037.6 | 1967.6 | 1909.7 | 1848.9 | 1767.5 | 1674.0 | 1095.7 | 143.0 | 162.5° | 683.9 |
| 2470.5 | 2435.5 | 2389.9 | 2313.1 | 2275.0 | 2202.0 | 2124.4 | 2034.5 | 1966.8 | 1313.3 | 165.1 | 165° | 694.2 |
| 2866.2 | 2828.2 | 2822.8 | 2747.5 | 2689.6 | 2623.5 | 2562.6 | 2488.0 | 2408.1 | 1699.8 | 216.9 | 167.5° | 703.8 |
| 3474.9 | 3435.4 | 3390.5 | 3331.9 | 3263.4 | 3181.2 | 3105.9 | 3005.4 | 2916.4 | 2087.0 | 241.2 | 170° | 711.4 |
| 3835.6 | 3762.5 | 3681.8 | 3592.8 | 3493.2 | 3391.2 | 3290.0 | 3161.4 | 3032.0 | 2110.7 | 217.6 | 172.5° | 711.4 |
| 3805.1 | 3714.5 | 3611.8 | 3490.9 | 3385.9 | 3260.3 | 3151.5 | 2985.7 | 2867.7 | 1879.4 | 177.3 | 175° | 710.5 |
| 3692.5 | 3568.5 | 3471.9 | 3360.8 | 3229.1 | 3116.5 | 3001.6 | 2838.1 | 2703.4 | 1723.4 | 162.0 | 177.5° | 714.9 |
| 3404.2 | 3298.4 | 3164.5 | 3057.9 | 2960.5 | 2825.9 | 2717.9 | 2564.9 | 2472.1 | 1494.3 | 145.4 | 180° | 716.1 |
| 2720.8 | 2574.8 | 2461.4 | 2378.5 | 2268.2 | 2146.5 | 2050.5 | 1921.9 | 1839.8 | 989.1 | 125.5 | | |
| 1584.9 | 1548.3 | 1421.3 | 1349.8 | 1282.8 | 1184.0 | 1107.9 | 1046.2 | 938.1 | 479.4 | 111.1 | | |
| 488.5 | 454.2 | 449.7 | 382.0 | 404.1 | 345.5 | 336.3 | 305.9 | 305.9 | 184.1 | 87.5 | | |
| 156.0 | 152.9 | 146.9 | 138.5 | 135.4 | 135.4 | 131.7 | 130.8 | 124.8 | 98.9 | 65.5 | | |
| 110.4 | 108.0 | 105.8 | 103.5 | 102.0 | 102.7 | 99.6 | 98.2 | 96.7 | 71.5 | 51.8 | | |
| 76.1 | 73.8 | 69.3 | 69.3 | 67.7 | 67.0 | 67.7 | 64.7 | 63.9 | 50.2 | 43.4 | | |
| 51.8 | 50.9 | 50.2 | 49.4 | 48.7 | 48.0 | 47.2 | 44.9 | 43.4 | 35.0 | 30.5 | | |
| 34.3 | 28.9 | 28.1 | 24.3 | 23.6 | 22.8 | 21.3 | 22.8 | 25.1 | 25.1 | 19.7 | | |
| 15.3 | 14.4 | 14.9 | 14.7 | 13.3 | 14.0 | 14.0 | 12.5 | 12.5 | 14.7 | 16.1 | | |
| 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | | |
| 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | | |
| 8.5 | 8.4 | 8.3 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 9.2 | | |
| 20.7 | 20.3 | 19.8 | 19.4 | 19.4 | 19.4 | 19.4 | 19.4 | 19.4 | 19.4 | 23.5 | | |
| 40.8 | 40.5 | 40.2 | 39.9 | 39.7 | 39.5 | 39.3 | 39.1 | 38.9 | 39.9 | 43.0 | | |
| 63.6 | 63.2 | 62.8 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 66.5 | | |
| 89.9 | 89.6 | 89.3 | 89.0 | 88.8 | 88.6 | 88.4 | 88.2 | 88.0 | 89.0 | 92.1 | | |

'226945
 IST-AF-800-LED-E1-SL3-ULG

REPORT NUMBER: P226945
 CATALOG NUMBER: IST-AF-80

TION (continued):

CANDELA DISTRIBUTION (con

| 83° | 84° | 85° | 86° | 87° | 88° | 89° | 90° | 95° | 105° | | 115° | 125° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 119.3 | 119.0 | 118.7 | 118.9 | 119.1 | 119.3 | 119.5 | 119.7 | 118.7 | 121.7 | 0° | 1348.2 | 1348.2 |
| 150.8 | 150.6 | 150.4 | 150.4 | 150.4 | 150.4 | 150.4 | 150.4 | 150.4 | 152.4 | 2.5° | 1304.2 | 1292.0 |
| 181.5 | 181.3 | 181.1 | 181.3 | 181.5 | 181.7 | 181.9 | 182.1 | 181.1 | 183.1 | 5° | 1234.9 | 1207.5 |
| 213.2 | 213.0 | 212.8 | 213.0 | 213.2 | 213.4 | 213.6 | 213.8 | 212.8 | 214.8 | 7.5° | 1141.3 | 1088.0 |
| 249.0 | 248.8 | 248.6 | 248.6 | 248.6 | 248.6 | 248.6 | 248.6 | 248.6 | 250.6 | 10° | 1034.0 | 957.2 |
| 282.7 | 282.5 | 282.3 | 282.5 | 282.7 | 282.9 | 283.2 | 283.4 | 282.3 | 284.4 | 12.5° | 922.9 | 824.8 |
| 317.1 | 317.1 | 317.1 | 317.1 | 317.1 | 317.1 | 317.1 | 317.1 | 317.1 | 317.1 | 15° | 819.5 | 689.4 |
| 353.1 | 353.0 | 352.9 | 353.3 | 353.7 | 354.1 | 354.6 | 355.0 | 352.9 | 353.9 | 17.5° | 710.6 | 550.1 |
| 388.1 | 387.9 | 387.7 | 387.9 | 388.1 | 388.3 | 388.5 | 388.7 | 387.7 | 389.7 | 20° | 606.4 | 415.4 |
| 423.5 | 423.5 | 423.5 | 423.7 | 423.9 | 424.1 | 424.3 | 424.5 | 423.5 | 423.5 | 22.5° | 488.5 | 291.4 |
| 459.7 | 460.0 | 460.3 | 460.5 | 460.7 | 460.9 | 461.1 | 461.4 | 460.3 | 457.3 | 25° | 358.3 | 211.5 |
| 491.0 | 491.5 | 492.0 | 492.2 | 492.4 | 492.7 | 492.9 | 493.1 | 492.0 | 486.9 | 27.5° | 255.6 | 168.9 |
| 519.7 | 520.2 | 520.7 | 521.1 | 521.5 | 521.9 | 522.3 | 522.7 | 520.7 | 515.6 | 30° | 191.0 | 142.3 |
| 546.1 | 546.2 | 546.3 | 546.7 | 547.1 | 547.5 | 547.9 | 548.3 | 546.3 | 545.2 | 32.5° | 152.9 | 123.3 |
| 571.4 | 571.1 | 570.8 | 571.2 | 571.6 | 572.0 | 572.4 | 572.9 | 570.8 | 573.9 | 35° | 130.1 | 111.8 |
| 597.0 | 596.7 | 596.4 | 596.8 | 597.2 | 597.6 | 598.0 | 598.4 | 596.4 | 599.4 | 37.5° | 116.4 | 104.2 |
| 619.3 | 619.6 | 619.9 | 620.7 | 621.5 | 622.4 | 623.2 | 624.0 | 619.9 | 616.8 | 40° | 108.8 | 100.5 |
| 636.3 | 636.8 | 637.3 | 638.3 | 639.3 | 640.4 | 641.4 | 642.4 | 637.3 | 632.2 | 42.5° | 104.2 | 96.7 |
| 652.2 | 652.4 | 652.6 | 653.3 | 653.9 | 654.5 | 655.1 | 655.7 | 652.6 | 650.6 | 45° | 102.0 | 94.3 |
| 664.9 | 664.9 | 664.9 | 665.9 | 667.0 | 668.0 | 669.0 | 670.0 | 664.9 | 664.9 | 47.5° | 100.5 | 91.3 |
| 675.4 | 675.2 | 675.1 | 676.4 | 677.6 | 678.8 | 680.1 | 681.3 | 675.1 | 676.2 | 50° | 98.9 | 91.3 |
| 683.7 | 683.5 | 683.3 | 684.6 | 685.8 | 687.0 | 688.2 | 689.5 | 683.3 | 685.4 | 52.5° | 99.6 | 92.8 |
| 694.0 | 693.8 | 693.6 | 694.4 | 695.2 | 696.0 | 696.8 | 697.7 | 693.6 | 695.6 | 55° | 103.5 | 92.8 |
| 703.8 | 703.8 | 703.8 | 705.0 | 706.2 | 707.5 | 708.7 | 709.9 | 703.8 | 703.8 | 57.5° | 109.6 | 92.8 |
| 711.6 | 711.8 | 712.0 | 713.0 | 714.0 | 715.0 | 716.1 | 717.1 | 712.0 | 709.9 | 60° | 114.2 | 94.3 |
| 711.6 | 711.8 | 712.0 | 713.0 | 714.0 | 715.0 | 716.1 | 717.1 | 712.0 | 709.9 | 62.5° | 115.7 | 97.4 |
| 710.3 | 710.1 | 709.9 | 711.0 | 712.0 | 713.0 | 714.0 | 715.0 | 709.9 | 712.0 | 65° | 114.2 | 98.9 |
| 714.6 | 714.3 | 714.0 | 714.8 | 715.7 | 716.5 | 717.3 | 718.1 | 714.0 | 717.1 | 66° | 112.6 | 98.9 |
| 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 67.5° | 110.4 | 97.4 |
| | | | | | | | | | | 70° | 105.0 | 91.3 |
| | | | | | | | | | | 72.5° | 94.3 | 82.1 |
| | | | | | | | | | | 75° | 80.6 | 66.2 |
| | | | | | | | | | | 77.5° | 65.5 | 53.3 |
| | | | | | | | | | | 80° | 48.7 | 40.3 |
| | | | | | | | | | | 82.5° | 35.8 | 31.2 |
| | | | | | | | | | | 85° | 25.1 | 22.1 |
| | | | | | | | | | | 87.5° | 15.2 | 13.7 |
| | | | | | | | | | | 90° | 13.0 | 10.9 |
| | | | | | | | | | | 92.5° | 7.2 | 7.2 |
| | | | | | | | | | | 95° | 8.2 | 7.2 |
| | | | | | | | | | | 97.5° | 10.2 | 12.3 |
| | | | | | | | | | | 100° | 26.6 | 29.7 |
| | | | | | | | | | | 102.5° | 48.1 | 51.1 |
| | | | | | | | | | | 105° | 71.6 | 73.7 |
| | | | | | | | | | | 107.5° | 96.2 | 97.2 |



REPORT NUMBER: P226945

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

0-LED-E1-SL3-ULG

tinued):

| 135° | 145° | 155° | 165° | 175° | 180° |
|--------|--------|--------|--------|--------|--------|
| 1348.2 | 1348.2 | 1348.2 | 1348.2 | 1348.2 | 1348.2 |
| 1283.6 | 1282.8 | 1263.9 | 1260.0 | 1247.1 | 1253.9 |
| 1174.8 | 1161.9 | 1127.6 | 1120.7 | 1106.3 | 1102.5 |
| 1044.6 | 1008.9 | 981.5 | 951.1 | 922.2 | 936.6 |
| 892.5 | 832.4 | 772.3 | 732.7 | 716.8 | 711.5 |
| 748.0 | 639.9 | 564.6 | 486.9 | 459.6 | 469.4 |
| 573.0 | 449.7 | 349.2 | 304.3 | 278.4 | 273.9 |
| 404.1 | 288.4 | 241.9 | 230.6 | 225.3 | 225.3 |
| 273.9 | 219.9 | 202.4 | 197.0 | 197.0 | 197.8 |
| 208.5 | 184.8 | 177.3 | 178.0 | 181.1 | 181.9 |
| 172.7 | 163.6 | 159.8 | 165.1 | 171.2 | 172.0 |
| 149.1 | 146.9 | 147.6 | 154.5 | 160.5 | 161.3 |
| 130.8 | 133.2 | 136.2 | 142.3 | 147.6 | 149.1 |
| 117.9 | 121.7 | 124.0 | 127.9 | 130.8 | 131.7 |
| 108.8 | 113.3 | 112.6 | 114.9 | 117.1 | 117.9 |
| 103.5 | 105.8 | 103.5 | 105.0 | 105.0 | 106.5 |
| 98.9 | 99.6 | 95.9 | 96.7 | 98.2 | 98.2 |
| 94.3 | 93.6 | 89.8 | 91.3 | 93.6 | 94.3 |
| 89.8 | 88.3 | 85.2 | 88.3 | 92.1 | 92.8 |
| 85.9 | 84.5 | 83.0 | 86.7 | 91.3 | 92.1 |
| 84.5 | 83.0 | 81.4 | 86.7 | 91.3 | 92.1 |
| 84.5 | 83.0 | 81.4 | 85.2 | 89.8 | 90.5 |
| 85.2 | 83.7 | 80.6 | 84.5 | 87.5 | 88.3 |
| 85.9 | 84.5 | 79.2 | 81.4 | 83.0 | 83.7 |
| 85.9 | 83.0 | 77.6 | 78.4 | 78.4 | 79.2 |
| 84.5 | 80.6 | 74.6 | 74.6 | 73.8 | 73.8 |
| 84.5 | 77.6 | 71.5 | 70.0 | 68.4 | 68.4 |
| 83.7 | 76.8 | 70.8 | 68.4 | 66.2 | 66.2 |
| 82.1 | 75.3 | 69.3 | 66.2 | 63.9 | 63.9 |
| 76.8 | 72.3 | 65.5 | 62.4 | 60.1 | 59.3 |
| 68.4 | 66.2 | 60.9 | 58.6 | 56.3 | 55.5 |
| 57.8 | 58.6 | 55.5 | 54.0 | 51.8 | 50.9 |
| 48.7 | 50.2 | 48.7 | 48.0 | 46.4 | 45.6 |
| 38.8 | 41.8 | 40.3 | 40.3 | 41.1 | 39.6 |
| 29.7 | 33.5 | 31.9 | 33.5 | 35.0 | 32.7 |
| 20.6 | 24.3 | 24.3 | 25.1 | 25.9 | 24.3 |
| 12.9 | 16.0 | 15.2 | 16.0 | 16.0 | 15.2 |
| 10.2 | 13.5 | 11.3 | 11.8 | 8.9 | 8.2 |
| 6.1 | 6.1 | 6.1 | 5.1 | 4.1 | 4.1 |
| 7.2 | 7.2 | 7.2 | 6.1 | 5.1 | 5.1 |
| 9.2 | 9.2 | 8.2 | 8.2 | 7.2 | 7.2 |
| 21.5 | 12.3 | 10.2 | 9.2 | 8.2 | 8.2 |
| 40.9 | 27.6 | 18.4 | 13.3 | 11.3 | 11.3 |
| 64.4 | 49.1 | 36.8 | 27.6 | 22.5 | 21.5 |
| 90.0 | 74.7 | 59.3 | 50.1 | 43.0 | 41.9 |

CANDELA DISTRIBUTION (continued):

| | 115° | 125° | 135° |
|--------|-------|-------|-------|
| 110° | 123.8 | 122.8 | 116.6 |
| 112.5° | 153.4 | 151.4 | 146.3 |
| 115° | 186.2 | 183.1 | 178.0 |
| 117.5° | 219.9 | 215.8 | 209.7 |
| 120° | 255.7 | 251.6 | 248.6 |
| 122.5° | 289.5 | 285.4 | 283.4 |
| 125° | 322.2 | 320.2 | 317.1 |
| 127.5° | 353.9 | 352.9 | 347.8 |
| 130° | 389.7 | 385.7 | 380.5 |
| 132.5° | 425.5 | 420.4 | 414.3 |
| 135° | 458.3 | 453.2 | 447.0 |
| 137.5° | 485.9 | 483.9 | 478.7 |
| 140° | 513.5 | 511.5 | 508.4 |
| 142.5° | 545.2 | 539.1 | 537.0 |
| 145° | 574.9 | 568.8 | 563.6 |
| 147.5° | 598.4 | 593.3 | 588.2 |
| 150° | 613.8 | 610.7 | 606.6 |
| 152.5° | 628.1 | 625.0 | 624.0 |
| 155° | 645.5 | 640.4 | 642.4 |
| 157.5° | 662.9 | 658.8 | 659.8 |
| 160° | 679.2 | 673.1 | 670.0 |
| 162.5° | 686.4 | 682.3 | 678.2 |
| 165° | 692.5 | 687.4 | 688.4 |
| 167.5° | 699.7 | 693.6 | 700.7 |
| 170° | 704.8 | 701.7 | 706.9 |
| 172.5° | 707.9 | 704.8 | 705.8 |
| 175° | 711.0 | 705.8 | 705.8 |
| 177.5° | 715.0 | 709.9 | 711.0 |
| 180° | 716.1 | 716.1 | 716.1 |



IL3-ULG

| 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|
| 104.3 | 89.0 | 75.7 | 69.6 | 67.5 |
| 137.1 | 123.8 | 108.4 | 101.3 | 101.3 |
| 171.9 | 162.6 | 150.4 | 142.2 | 143.2 |
| 206.6 | 201.5 | 193.3 | 188.2 | 188.2 |
| 242.4 | 238.3 | 231.2 | 228.1 | 230.2 |
| 277.2 | 273.1 | 267.0 | 266.0 | 269.0 |
| 312.0 | 305.9 | 302.8 | 300.7 | 304.8 |
| 346.8 | 340.6 | 336.6 | 336.6 | 337.6 |
| 378.5 | 374.4 | 370.3 | 369.3 | 371.3 |
| 413.3 | 410.2 | 402.0 | 403.0 | 405.1 |
| 445.0 | 441.9 | 435.8 | 435.8 | 438.8 |
| 474.6 | 470.6 | 469.5 | 467.5 | 470.6 |
| 502.3 | 500.2 | 498.2 | 496.1 | 499.2 |
| 533.0 | 529.9 | 528.9 | 526.8 | 529.9 |
| 562.6 | 559.6 | 556.5 | 558.5 | 562.6 |
| 587.2 | 587.2 | 584.1 | 585.1 | 588.2 |
| 606.6 | 606.6 | 606.6 | 605.6 | 608.7 |
| 624.0 | 623.0 | 622.0 | 622.0 | 625.0 |
| 644.5 | 641.4 | 639.3 | 639.3 | 643.4 |
| 660.8 | 658.8 | 657.8 | 657.8 | 660.8 |
| 670.0 | 671.1 | 674.1 | 675.1 | 678.2 |
| 676.2 | 680.3 | 684.4 | 684.4 | 688.4 |
| 688.4 | 691.5 | 691.5 | 693.6 | 696.6 |
| 703.8 | 701.7 | 699.7 | 702.8 | 705.8 |
| 708.9 | 707.9 | 707.9 | 711.0 | 714.0 |
| 705.8 | 708.9 | 711.0 | 713.0 | 715.0 |
| 706.9 | 711.0 | 713.0 | 714.0 | 716.1 |
| 713.0 | 715.0 | 716.1 | 721.2 | 723.2 |
| 716.1 | 716.1 | 716.1 | 716.1 | 716.1 |

(END OF REPORT)