

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P623146

Luminaire Tested: **IFLD-S-SA3E-760-U-33**

Issue Date: 10/13/2022

Test Information

Test Method: LM-79-2019
Report Number: P623146
Test Lab: INNOVATION CENTER(G2)
Issue Date: 10/13/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3E-760-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

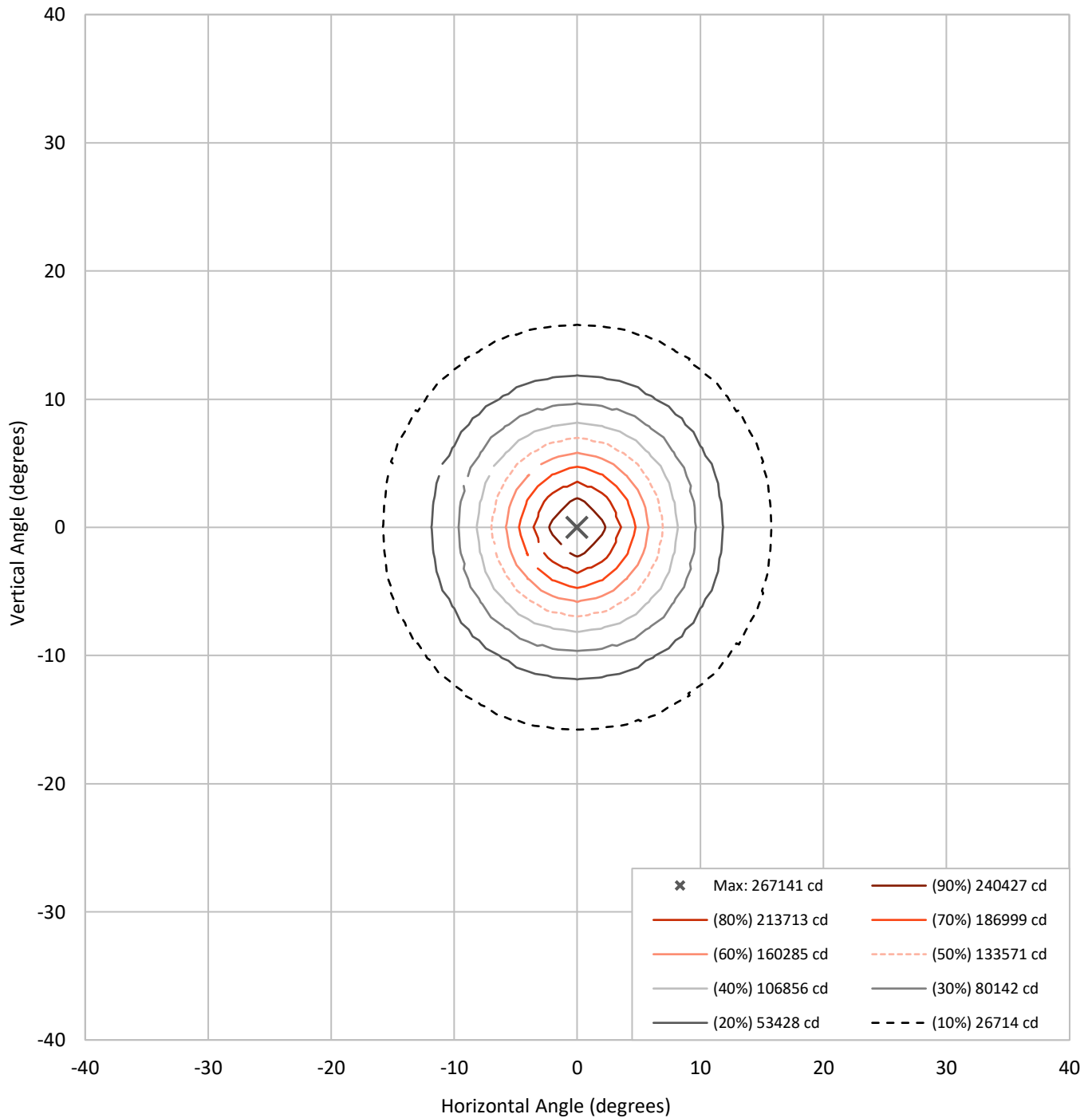
| | | | |
|-------------------|--|----------------------|-----------------|
| Lumens per Lamp: | N/A | NEMA Type: | 3H x 3V |
| Luminaire Lumens: | 28708.9 lumens | Max Intensity: | 267141 candela |
| Efficiency: | N/A | Max Intensity Angle: | 0°H x 0°V |
| Efficacy: | 123.7 lumens/watt | | |
| Luminous Opening: | Rectangular (W 1.5' x L: 0.5' x H: 0') | | |
| Beam Angle (50%): | 13.8°H x 13.8°V | Field Angle (10%): | 31.4°H x 31.4°V |
| Beam Lumens: | 6277.8 lumens | Field Lumens: | 14617.5 lumens |
| Beam Efficiency: | 21.9% | Field Efficiency: | 50.9% |

Input Watts (W): 232.1
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



REPORT NUMBER: P623146
CATALOG NUMBER: IFLD-S-SA3E-760-U-33

Iso-Candela Plot





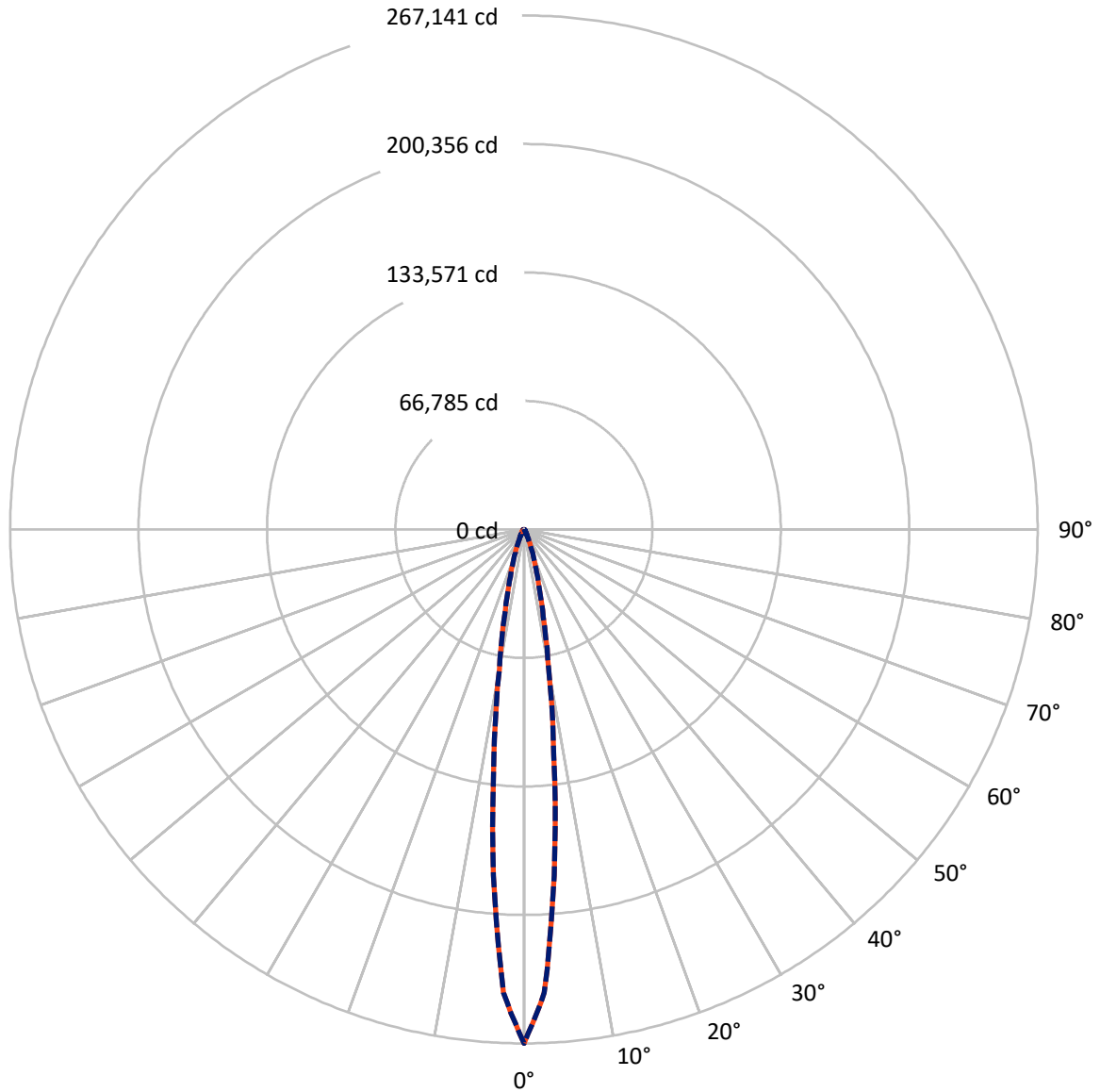
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Lumen Table

| | | | | | | | | | | | | | | | | |
|-----|-----|-----|------|------|------|-------|-------|--------|--------|-------|-------|------|------|------|-----|-----|
| 90 | 0.5 | 3.7 | | 9.9 | | 16.0 | | 18.7 | | 16.0 | | 9.9 | | 3.7 | | 0.5 |
| 80 | 0.5 | 3.7 | | 9.9 | | 16.0 | | 18.7 | | 16.0 | | 9.9 | | 3.7 | | 0.5 |
| 70 | 1.7 | 1.9 | 4.0 | 6.6 | 9.4 | 11.8 | 13.6 | 14.6 | 14.6 | 13.6 | 11.8 | 9.4 | 6.6 | 4.0 | 1.9 | 1.7 |
| 60 | | 2.9 | 6.2 | 9.9 | 13.7 | 17.1 | 19.7 | 21.1 | 21.1 | 19.7 | 17.1 | 13.7 | 9.9 | 6.2 | 2.9 | |
| 50 | 3.1 | 4.0 | 8.1 | 12.7 | 17.6 | 22.7 | 27.4 | 30.4 | 30.4 | 27.4 | 22.7 | 17.6 | 12.7 | 8.1 | 4.0 | 3.1 |
| 40 | | 4.9 | 9.7 | 15.2 | 22.3 | 32.0 | 43.7 | 53.7 | 53.7 | 43.7 | 32.0 | 22.3 | 15.2 | 9.7 | 4.9 | |
| 30 | 4.1 | 5.6 | 10.9 | 17.7 | 29.0 | 51.1 | 104.4 | 178.6 | 178.6 | 104.4 | 51.1 | 29.0 | 17.7 | 10.9 | 5.6 | 4.1 |
| 20 | | 6.1 | 11.7 | 20.1 | 37.3 | 98.4 | 354.0 | 879.0 | 879.0 | 354.0 | 98.4 | 37.3 | 20.1 | 11.7 | 6.1 | |
| 10 | 4.5 | 6.3 | 12.2 | 21.7 | 44.5 | 164.0 | 856.5 | 3760.6 | 3760.6 | 856.5 | 164.0 | 44.5 | 21.7 | 12.2 | 6.3 | 4.5 |
| 0 | | 6.3 | 12.2 | 21.7 | 44.5 | 164.0 | 856.5 | 3760.6 | 3760.6 | 856.5 | 164.0 | 44.5 | 21.7 | 12.2 | 6.3 | |
| -10 | 4.1 | 6.1 | 11.7 | 20.1 | 37.3 | 98.4 | 354.0 | 879.0 | 879.0 | 354.0 | 98.4 | 37.3 | 20.1 | 11.7 | 6.1 | 4.1 |
| -20 | | 5.6 | 10.9 | 17.7 | 29.0 | 51.1 | 104.4 | 178.6 | 178.6 | 104.4 | 51.1 | 29.0 | 17.7 | 10.9 | 5.6 | |
| -30 | 3.1 | 4.9 | 9.7 | 15.2 | 22.3 | 32.0 | 43.7 | 53.7 | 53.7 | 43.7 | 32.0 | 22.3 | 15.2 | 9.7 | 4.9 | 3.1 |
| -40 | | 4.0 | 8.1 | 12.7 | 17.6 | 22.7 | 27.4 | 30.4 | 30.4 | 27.4 | 22.7 | 17.6 | 12.7 | 8.1 | 4.0 | |
| -50 | 1.7 | 2.9 | 6.2 | 9.9 | 13.7 | 17.1 | 19.7 | 21.1 | 21.1 | 19.7 | 17.1 | 13.7 | 9.9 | 6.2 | 2.9 | 1.7 |
| -60 | | 1.9 | 4.0 | 6.6 | 9.4 | 11.8 | 13.6 | 14.6 | 14.6 | 13.6 | 11.8 | 9.4 | 6.6 | 4.0 | 1.9 | |
| -70 | 0.5 | 3.7 | | 9.9 | | 16.0 | | 18.7 | | 16.0 | | 9.9 | | 3.7 | | 0.5 |
| -80 | | 3.7 | | 9.9 | | 16.0 | | 18.7 | | 16.0 | | 9.9 | | 3.7 | | |
| -90 | 0.5 | 3.7 | | 9.9 | | 16.0 | | 18.7 | | 16.0 | | 9.9 | | 3.7 | | 0.5 |

REPORT NUMBER: P623146
CATALOG NUMBER: IFLD-S-SA3E-760-U-33

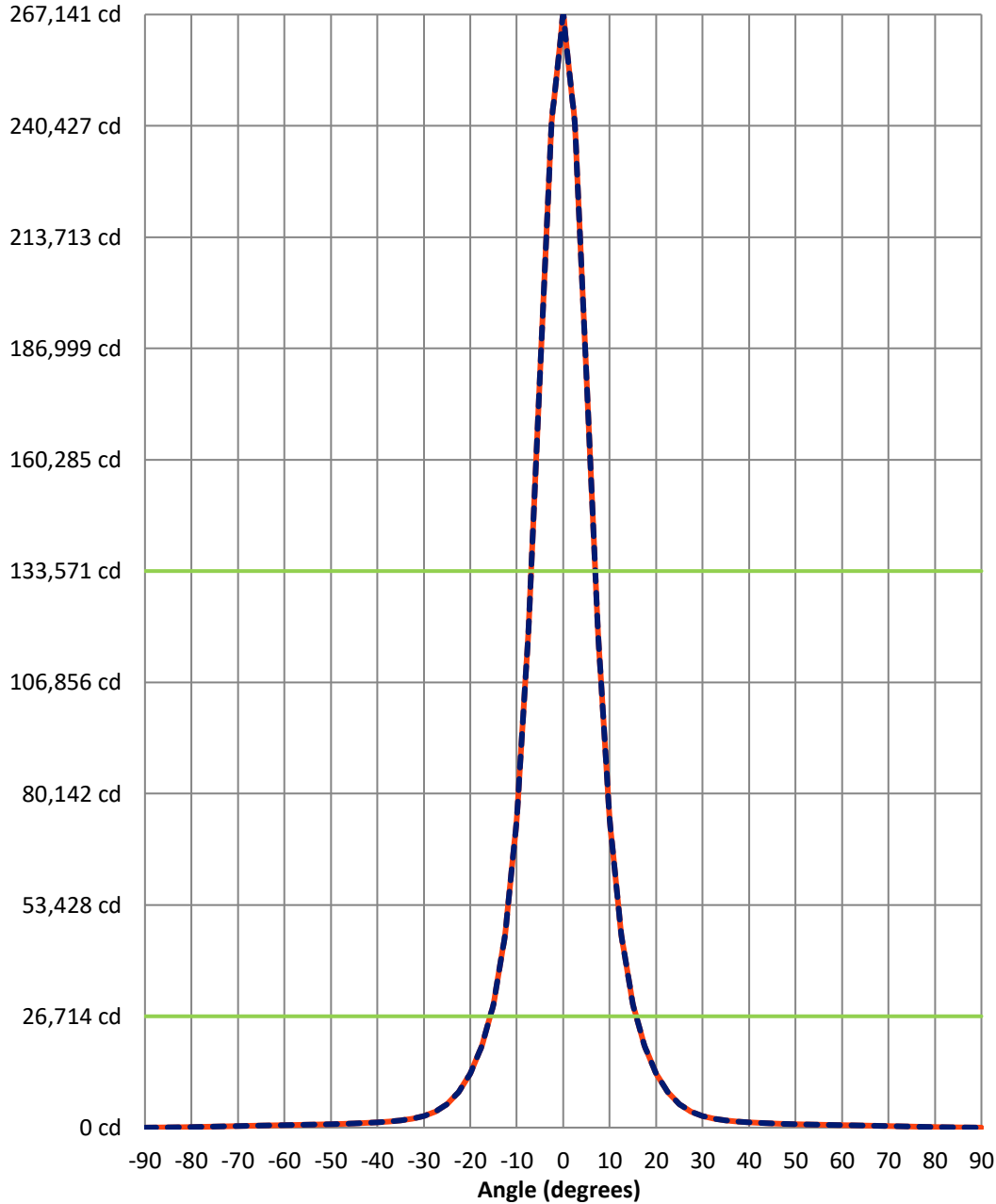
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 0-Deg

REPORT NUMBER: P623146
 CATALOG NUMBER: IFLD-S-SA3E-760-U-33

Luminous Intensity Plot



Beam:
 H Angle: 13.8°
 V Angle: 13.8°
 Lumens: 6277.8
 Efficiency: 21.9%

Field:
 H Angle: 31.4°
 V Angle: 31.4°
 Lumens: 14617.5
 Efficiency: 50.9%

Spill:
 Lumens: 14091.5
 Efficiency: 49.1%

— Vertical Distribution through 0-Deg
 - - - Horizontal Distribution through 0-Deg



REPORT NUMBER: P623146
 CATALOG NUMBER: IFLD-S-SA3E-760-U-33

FIELD
 BEAM

CANDELA DISTRIBUTION:

| | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 25° |
|-------|----------|----------|----------|----------|---------|---------|---------|---------|---------|--------|--------|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 23.9 | 23.9 | 23.9 | 23.9 | 23.9 | 23.9 | 23.9 | 23.9 | 23.9 | 20.9 | 20.9 |
| 85° | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 50.8 | 50.8 | 50.8 | 47.8 | 47.8 |
| 82.5° | 89.6 | 89.6 | 89.6 | 89.6 | 86.6 | 86.6 | 86.6 | 83.6 | 83.6 | 80.6 | 80.6 |
| 80° | 137.4 | 137.4 | 137.4 | 137.4 | 134.4 | 131.4 | 131.4 | 128.4 | 125.4 | 122.5 | 119.5 |
| 77.5° | 188.2 | 188.2 | 188.2 | 185.2 | 185.2 | 182.2 | 179.2 | 176.2 | 173.2 | 167.3 | 164.3 |
| 75° | 247.9 | 247.9 | 247.9 | 244.9 | 241.9 | 238.9 | 235.9 | 230.0 | 227.0 | 221.0 | 215.0 |
| 72.5° | 310.6 | 310.6 | 310.6 | 307.6 | 304.6 | 298.7 | 295.7 | 289.7 | 283.7 | 274.8 | 268.8 |
| 70° | 370.3 | 370.3 | 370.3 | 367.4 | 361.4 | 358.4 | 352.4 | 346.5 | 340.5 | 331.5 | 322.6 |
| 67.5° | 430.1 | 430.1 | 430.1 | 424.1 | 421.1 | 418.1 | 412.2 | 403.2 | 397.2 | 388.3 | 376.3 |
| 65° | 486.8 | 486.8 | 483.8 | 480.9 | 477.9 | 471.9 | 465.9 | 459.9 | 451.0 | 442.0 | 430.1 |
| 62.5° | 543.6 | 543.6 | 540.6 | 537.6 | 534.6 | 528.6 | 519.7 | 513.7 | 501.8 | 492.8 | 480.9 |
| 60° | 591.4 | 591.4 | 588.4 | 585.4 | 582.4 | 576.4 | 570.5 | 561.5 | 552.5 | 543.6 | 531.6 |
| 57.5° | 642.1 | 642.1 | 639.2 | 636.2 | 630.2 | 624.2 | 618.2 | 609.3 | 597.3 | 585.4 | 576.4 |
| 55° | 698.9 | 698.9 | 695.9 | 689.9 | 684.0 | 678.0 | 669.0 | 657.1 | 645.1 | 633.2 | 618.2 |
| 52.5° | 752.6 | 752.6 | 749.7 | 743.7 | 737.7 | 731.7 | 719.8 | 710.8 | 695.9 | 681.0 | 663.0 |
| 50° | 818.4 | 818.4 | 812.4 | 806.4 | 800.4 | 788.5 | 776.5 | 761.6 | 746.7 | 728.8 | 713.8 |
| 47.5° | 893.0 | 893.0 | 887.0 | 881.1 | 869.1 | 857.2 | 839.3 | 821.3 | 803.4 | 782.5 | 758.6 |
| 45° | 997.6 | 997.6 | 988.6 | 976.6 | 961.7 | 940.8 | 916.9 | 893.0 | 866.1 | 842.2 | 815.4 |
| 42.5° | 1126.0 | 1126.0 | 1114.0 | 1099.1 | 1078.2 | 1051.3 | 1018.5 | 985.6 | 949.8 | 910.9 | 875.1 |
| 40° | 1260.4 | 1260.4 | 1245.4 | 1230.5 | 1206.6 | 1173.8 | 1137.9 | 1096.1 | 1051.3 | 1000.5 | 955.7 |
| 37.5° | 1445.6 | 1445.6 | 1424.6 | 1397.8 | 1361.9 | 1317.1 | 1263.4 | 1215.6 | 1164.8 | 1108.1 | 1048.3 |
| 35° | 1720.3 | 1720.3 | 1687.5 | 1642.7 | 1585.9 | 1511.3 | 1430.6 | 1361.9 | 1284.3 | 1215.6 | 1149.9 |
| 32.5° | 2126.5 | 2126.5 | 2069.8 | 2004.1 | 1908.5 | 1789.0 | 1672.5 | 1562.0 | 1445.6 | 1347.0 | 1251.4 |
| 30° | 2765.7 | 2765.7 | 2670.1 | 2550.6 | 2389.3 | 2183.3 | 2010.0 | 1830.8 | 1660.6 | 1517.2 | 1385.8 |
| 27.5° | 3828.9 | 3784.1 | 3652.7 | 3434.7 | 3136.0 | 2765.7 | 2499.9 | 2198.2 | 1959.3 | 1726.3 | 1556.1 |
| 25° | 5620.9 | 5537.3 | 5289.4 | 4880.2 | 4327.7 | 3715.4 | 3231.6 | 2717.9 | 2353.5 | 2022.0 | 1756.2 |
| 22.5° | 8533.0 | 8380.6 | 7926.7 | 7186.0 | 6185.4 | 5205.8 | 4312.8 | 3521.3 | 2870.2 | 2407.3 | 2022.0 |
| 20° | 12965.2 | 12699.4 | 11916.9 | 10650.5 | 8942.1 | 7427.9 | 5836.0 | 4662.2 | 3619.9 | 2870.2 | 2353.5 |
| 17.5° | 19625.5 | 19165.6 | 17818.6 | 15647.2 | 12965.2 | 10498.2 | 8073.0 | 6140.6 | 4662.2 | 3521.3 | 2717.9 |
| 15° | 29589.1 | 28782.7 | 26429.2 | 22686.9 | 18389.0 | 14476.5 | 11032.8 | 8073.0 | 5836.0 | 4312.8 | 3231.6 |
| 12.5° | 46317.5 | 44686.8 | 39973.8 | 32623.6 | 25772.1 | 19341.8 | 14476.5 | 10498.2 | 7427.9 | 5205.8 | 3715.4 |
| 10° | 73956.3 | 70587.3 | 61032.9 | 46571.4 | 35571.4 | 25772.1 | 18389.0 | 12965.2 | 8942.1 | 6185.4 | 4327.7 |
| 7.5° | 118756.5 | 111525.8 | 91768.9 | 67418.4 | 46571.4 | 32623.6 | 22686.9 | 15647.2 | 10650.5 | 7186.0 | 4880.2 |
| 5° | 180548.1 | 165996.9 | 129469.8 | 91768.9 | 61032.9 | 39973.8 | 26429.2 | 17818.6 | 11916.9 | 7926.7 | 5289.4 |
| 2.5° | 241130.0 | 216050.8 | 165996.9 | 111525.8 | 70587.3 | 44686.8 | 28782.7 | 19165.6 | 12699.4 | 8380.6 | 5537.3 |
| 0° | 267141.0 | 241130.0 | 180548.1 | 118756.5 | 73956.3 | 46317.5 | 29589.1 | 19625.5 | 12965.2 | 8533.0 | 5620.9 |



REPORT NUMBER: P623146
 CATALOG NUMBER: IFLD-S-SA3E-760-U-33

CANDELA DISTRIBUTION (continued):

| | 27.5° | 30° | 32.5° | 35° | 37.5° | 40° | 42.5° | 45° | 47.5° | 50° | 52.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 20.9 | 20.9 | 20.9 | 20.9 | 17.9 | 17.9 | 17.9 | 17.9 | 14.9 | 14.9 | 14.9 |
| 85° | 47.8 | 44.8 | 44.8 | 41.8 | 41.8 | 38.8 | 38.8 | 35.8 | 35.8 | 32.9 | 29.9 |
| 82.5° | 77.7 | 74.7 | 71.7 | 68.7 | 68.7 | 65.7 | 62.7 | 56.7 | 53.8 | 50.8 | 47.8 |
| 80° | 116.5 | 110.5 | 107.5 | 101.5 | 98.6 | 92.6 | 86.6 | 83.6 | 77.7 | 74.7 | 68.7 |
| 77.5° | 158.3 | 152.3 | 149.3 | 140.4 | 134.4 | 128.4 | 122.5 | 113.5 | 107.5 | 98.6 | 89.6 |
| 75° | 206.1 | 200.1 | 191.1 | 182.2 | 176.2 | 167.3 | 158.3 | 149.3 | 137.4 | 128.4 | 119.5 |
| 72.5° | 259.8 | 250.9 | 241.9 | 230.0 | 218.0 | 209.1 | 194.1 | 182.2 | 173.2 | 161.3 | 149.3 |
| 70° | 313.6 | 304.6 | 292.7 | 280.7 | 265.8 | 253.9 | 238.9 | 224.0 | 209.1 | 194.1 | 179.2 |
| 67.5° | 367.4 | 355.4 | 343.5 | 328.5 | 313.6 | 298.7 | 283.7 | 265.8 | 247.9 | 230.0 | 212.1 |
| 65° | 418.1 | 406.2 | 391.3 | 376.3 | 361.4 | 343.5 | 325.5 | 307.6 | 286.7 | 265.8 | 247.9 |
| 62.5° | 468.9 | 454.0 | 439.0 | 424.1 | 406.2 | 388.3 | 370.3 | 346.5 | 325.5 | 304.6 | 280.7 |
| 60° | 516.7 | 501.8 | 486.8 | 468.9 | 451.0 | 430.1 | 409.2 | 388.3 | 364.4 | 340.5 | 316.6 |
| 57.5° | 561.5 | 546.6 | 531.6 | 510.7 | 492.8 | 471.9 | 448.0 | 427.1 | 400.2 | 376.3 | 349.4 |
| 55° | 603.3 | 588.4 | 570.5 | 552.5 | 534.6 | 510.7 | 486.8 | 462.9 | 436.1 | 409.2 | 379.3 |
| 52.5° | 645.1 | 627.2 | 609.3 | 591.4 | 570.5 | 549.5 | 525.7 | 498.8 | 471.9 | 442.0 | 412.2 |
| 50° | 692.9 | 672.0 | 648.1 | 627.2 | 603.3 | 582.4 | 558.5 | 531.6 | 504.7 | 471.9 | 442.0 |
| 47.5° | 737.7 | 716.8 | 692.9 | 666.0 | 642.1 | 615.3 | 588.4 | 564.5 | 534.6 | 504.7 | 471.9 |
| 45° | 788.5 | 758.6 | 734.7 | 707.8 | 678.0 | 648.1 | 621.2 | 591.4 | 564.5 | 531.6 | 498.8 |
| 42.5° | 842.2 | 809.4 | 776.5 | 743.7 | 716.8 | 684.0 | 651.1 | 621.2 | 588.4 | 558.5 | 525.7 |
| 40° | 905.0 | 866.1 | 824.3 | 788.5 | 752.6 | 719.8 | 684.0 | 648.1 | 615.3 | 582.4 | 549.5 |
| 37.5° | 985.6 | 931.8 | 878.1 | 833.3 | 791.5 | 752.6 | 716.8 | 678.0 | 642.1 | 603.3 | 570.5 |
| 35° | 1081.2 | 1006.5 | 943.8 | 881.1 | 833.3 | 788.5 | 743.7 | 707.8 | 666.0 | 627.2 | 591.4 |
| 32.5° | 1176.8 | 1096.1 | 1015.5 | 943.8 | 878.1 | 824.3 | 776.5 | 734.7 | 692.9 | 648.1 | 609.3 |
| 30° | 1275.3 | 1185.7 | 1096.1 | 1006.5 | 931.8 | 866.1 | 809.4 | 758.6 | 716.8 | 672.0 | 627.2 |
| 27.5° | 1400.8 | 1275.3 | 1176.8 | 1081.2 | 985.6 | 905.0 | 842.2 | 788.5 | 737.7 | 692.9 | 645.1 |
| 25° | 1556.1 | 1385.8 | 1251.4 | 1149.9 | 1048.3 | 955.7 | 875.1 | 815.4 | 758.6 | 713.8 | 663.0 |
| 22.5° | 1726.3 | 1517.2 | 1347.0 | 1215.6 | 1108.1 | 1000.5 | 910.9 | 842.2 | 782.5 | 728.8 | 681.0 |
| 20° | 1959.3 | 1660.6 | 1445.6 | 1284.3 | 1164.8 | 1051.3 | 949.8 | 866.1 | 803.4 | 746.7 | 695.9 |
| 17.5° | 2198.2 | 1830.8 | 1562.0 | 1361.9 | 1215.6 | 1096.1 | 985.6 | 893.0 | 821.3 | 761.6 | 710.8 |
| 15° | 2499.9 | 2010.0 | 1672.5 | 1430.6 | 1263.4 | 1137.9 | 1018.5 | 916.9 | 839.3 | 776.5 | 719.8 |
| 12.5° | 2765.7 | 2183.3 | 1789.0 | 1511.3 | 1317.1 | 1173.8 | 1051.3 | 940.8 | 857.2 | 788.5 | 731.7 |
| 10° | 3136.0 | 2389.3 | 1908.5 | 1585.9 | 1361.9 | 1206.6 | 1078.2 | 961.7 | 869.1 | 800.4 | 737.7 |
| 7.5° | 3434.7 | 2550.6 | 2004.1 | 1642.7 | 1397.8 | 1230.5 | 1099.1 | 976.6 | 881.1 | 806.4 | 743.7 |
| 5° | 3652.7 | 2670.1 | 2069.8 | 1687.5 | 1424.6 | 1245.4 | 1114.0 | 988.6 | 887.0 | 812.4 | 749.7 |
| 2.5° | 3784.1 | 2765.7 | 2126.5 | 1720.3 | 1445.6 | 1260.4 | 1126.0 | 997.6 | 893.0 | 818.4 | 752.6 |
| 0° | 3828.9 | 2765.7 | 2126.5 | 1720.3 | 1445.6 | 1260.4 | 1126.0 | 997.6 | 893.0 | 818.4 | 752.6 |



REPORT NUMBER: P623146
 CATALOG NUMBER: IFLD-S-SA3E-760-U-33

CANDELA DISTRIBUTION (continued):

| | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° | 75° | 77.5° | 80° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 14.9 | 11.9 | 11.9 | 11.9 | 9.0 | 9.0 | 9.0 | 6.0 | 6.0 | 6.0 | 3.0 |
| 85° | 26.9 | 26.9 | 23.9 | 20.9 | 20.9 | 17.9 | 14.9 | 14.9 | 11.9 | 9.0 | 9.0 |
| 82.5° | 44.8 | 41.8 | 38.8 | 35.8 | 32.9 | 26.9 | 23.9 | 20.9 | 17.9 | 14.9 | 11.9 |
| 80° | 62.7 | 59.7 | 53.8 | 47.8 | 44.8 | 38.8 | 35.8 | 29.9 | 23.9 | 20.9 | 17.9 |
| 77.5° | 83.6 | 77.7 | 71.7 | 65.7 | 56.7 | 50.8 | 44.8 | 38.8 | 32.9 | 26.9 | 20.9 |
| 75° | 110.5 | 98.6 | 89.6 | 80.6 | 71.7 | 62.7 | 53.8 | 47.8 | 38.8 | 32.9 | 23.9 |
| 72.5° | 137.4 | 125.4 | 110.5 | 98.6 | 86.6 | 77.7 | 65.7 | 56.7 | 47.8 | 38.8 | 29.9 |
| 70° | 164.3 | 149.3 | 134.4 | 119.5 | 104.5 | 89.6 | 77.7 | 65.7 | 53.8 | 44.8 | 35.8 |
| 67.5° | 191.1 | 176.2 | 158.3 | 140.4 | 125.4 | 107.5 | 89.6 | 77.7 | 62.7 | 50.8 | 38.8 |
| 65° | 224.0 | 203.1 | 182.2 | 164.3 | 143.4 | 125.4 | 104.5 | 86.6 | 71.7 | 56.7 | 44.8 |
| 62.5° | 256.9 | 233.0 | 209.1 | 185.2 | 164.3 | 140.4 | 119.5 | 98.6 | 80.6 | 65.7 | 47.8 |
| 60° | 289.7 | 262.8 | 235.9 | 209.1 | 182.2 | 158.3 | 134.4 | 110.5 | 89.6 | 71.7 | 53.8 |
| 57.5° | 322.6 | 292.7 | 262.8 | 233.0 | 203.1 | 176.2 | 149.3 | 125.4 | 98.6 | 77.7 | 59.7 |
| 55° | 352.4 | 322.6 | 289.7 | 256.9 | 224.0 | 191.1 | 164.3 | 137.4 | 110.5 | 83.6 | 62.7 |
| 52.5° | 379.3 | 349.4 | 316.6 | 280.7 | 247.9 | 212.1 | 179.2 | 149.3 | 119.5 | 89.6 | 68.7 |
| 50° | 409.2 | 376.3 | 340.5 | 304.6 | 265.8 | 230.0 | 194.1 | 161.3 | 128.4 | 98.6 | 74.7 |
| 47.5° | 436.1 | 400.2 | 364.4 | 325.5 | 286.7 | 247.9 | 209.1 | 173.2 | 137.4 | 107.5 | 77.7 |
| 45° | 462.9 | 427.1 | 388.3 | 346.5 | 307.6 | 265.8 | 224.0 | 182.2 | 149.3 | 113.5 | 83.6 |
| 42.5° | 486.8 | 448.0 | 409.2 | 370.3 | 325.5 | 283.7 | 238.9 | 194.1 | 158.3 | 122.5 | 86.6 |
| 40° | 510.7 | 471.9 | 430.1 | 388.3 | 343.5 | 298.7 | 253.9 | 209.1 | 167.3 | 128.4 | 92.6 |
| 37.5° | 534.6 | 492.8 | 451.0 | 406.2 | 361.4 | 313.6 | 265.8 | 218.0 | 176.2 | 134.4 | 98.6 |
| 35° | 552.5 | 510.7 | 468.9 | 424.1 | 376.3 | 328.5 | 280.7 | 230.0 | 182.2 | 140.4 | 101.5 |
| 32.5° | 570.5 | 531.6 | 486.8 | 439.0 | 391.3 | 343.5 | 292.7 | 241.9 | 191.1 | 149.3 | 107.5 |
| 30° | 588.4 | 546.6 | 501.8 | 454.0 | 406.2 | 355.4 | 304.6 | 250.9 | 200.1 | 152.3 | 110.5 |
| 27.5° | 603.3 | 561.5 | 516.7 | 468.9 | 418.1 | 367.4 | 313.6 | 259.8 | 206.1 | 158.3 | 116.5 |
| 25° | 618.2 | 576.4 | 531.6 | 480.9 | 430.1 | 376.3 | 322.6 | 268.8 | 215.0 | 164.3 | 119.5 |
| 22.5° | 633.2 | 585.4 | 543.6 | 492.8 | 442.0 | 388.3 | 331.5 | 274.8 | 221.0 | 167.3 | 122.5 |
| 20° | 645.1 | 597.3 | 552.5 | 501.8 | 451.0 | 397.2 | 340.5 | 283.7 | 227.0 | 173.2 | 125.4 |
| 17.5° | 657.1 | 609.3 | 561.5 | 513.7 | 459.9 | 403.2 | 346.5 | 289.7 | 230.0 | 176.2 | 128.4 |
| 15° | 669.0 | 618.2 | 570.5 | 519.7 | 465.9 | 412.2 | 352.4 | 295.7 | 235.9 | 179.2 | 131.4 |
| 12.5° | 678.0 | 624.2 | 576.4 | 528.6 | 471.9 | 418.1 | 358.4 | 298.7 | 238.9 | 182.2 | 131.4 |
| 10° | 684.0 | 630.2 | 582.4 | 534.6 | 477.9 | 421.1 | 361.4 | 304.6 | 241.9 | 185.2 | 134.4 |
| 7.5° | 689.9 | 636.2 | 585.4 | 537.6 | 480.9 | 424.1 | 367.4 | 307.6 | 244.9 | 185.2 | 137.4 |
| 5° | 695.9 | 639.2 | 588.4 | 540.6 | 483.8 | 430.1 | 370.3 | 310.6 | 247.9 | 188.2 | 137.4 |
| 2.5° | 698.9 | 642.1 | 591.4 | 543.6 | 486.8 | 430.1 | 370.3 | 310.6 | 247.9 | 188.2 | 137.4 |
| 0° | 698.9 | 642.1 | 591.4 | 543.6 | 486.8 | 430.1 | 370.3 | 310.6 | 247.9 | 188.2 | 137.4 |



REPORT NUMBER: P623146
 CATALOG NUMBER: IFLD-S-SA3E-760-U-33

CANDELA DISTRIBUTION (continued):

| | 82.5° | 85° | 87.5° | 90° |
|-------|-------|------|-------|-----|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 3.0 | 3.0 | 0.0 | 0.0 |
| 85° | 6.0 | 3.0 | 3.0 | 0.0 |
| 82.5° | 9.0 | 6.0 | 3.0 | 0.0 |
| 80° | 11.9 | 9.0 | 3.0 | 0.0 |
| 77.5° | 14.9 | 9.0 | 6.0 | 0.0 |
| 75° | 17.9 | 11.9 | 6.0 | 0.0 |
| 72.5° | 20.9 | 14.9 | 6.0 | 0.0 |
| 70° | 23.9 | 14.9 | 9.0 | 0.0 |
| 67.5° | 26.9 | 17.9 | 9.0 | 0.0 |
| 65° | 32.9 | 20.9 | 9.0 | 0.0 |
| 62.5° | 35.8 | 20.9 | 11.9 | 0.0 |
| 60° | 38.8 | 23.9 | 11.9 | 0.0 |
| 57.5° | 41.8 | 26.9 | 11.9 | 0.0 |
| 55° | 44.8 | 26.9 | 14.9 | 0.0 |
| 52.5° | 47.8 | 29.9 | 14.9 | 0.0 |
| 50° | 50.8 | 32.9 | 14.9 | 0.0 |
| 47.5° | 53.8 | 35.8 | 14.9 | 0.0 |
| 45° | 56.7 | 35.8 | 17.9 | 0.0 |
| 42.5° | 62.7 | 38.8 | 17.9 | 0.0 |
| 40° | 65.7 | 38.8 | 17.9 | 0.0 |
| 37.5° | 68.7 | 41.8 | 17.9 | 0.0 |
| 35° | 68.7 | 41.8 | 20.9 | 0.0 |
| 32.5° | 71.7 | 44.8 | 20.9 | 0.0 |
| 30° | 74.7 | 44.8 | 20.9 | 0.0 |
| 27.5° | 77.7 | 47.8 | 20.9 | 0.0 |
| 25° | 80.6 | 47.8 | 20.9 | 0.0 |
| 22.5° | 80.6 | 47.8 | 20.9 | 0.0 |
| 20° | 83.6 | 50.8 | 23.9 | 0.0 |
| 17.5° | 83.6 | 50.8 | 23.9 | 0.0 |
| 15° | 86.6 | 50.8 | 23.9 | 0.0 |
| 12.5° | 86.6 | 53.8 | 23.9 | 0.0 |
| 10° | 86.6 | 53.8 | 23.9 | 0.0 |
| 7.5° | 89.6 | 53.8 | 23.9 | 0.0 |
| 5° | 89.6 | 53.8 | 23.9 | 0.0 |
| 2.5° | 89.6 | 53.8 | 23.9 | 0.0 |
| 0° | 89.6 | 53.8 | 23.9 | 0.0 |

(END OF REPORT)