

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: P723242

Luminaire Tested: **IFLD-M-SA4A-727-U-22**

Issue Date: 01/11/2023

Test Information

Test Method: LM-79-2019
Report Number: P723242
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-727-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens
Light Source: (64) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

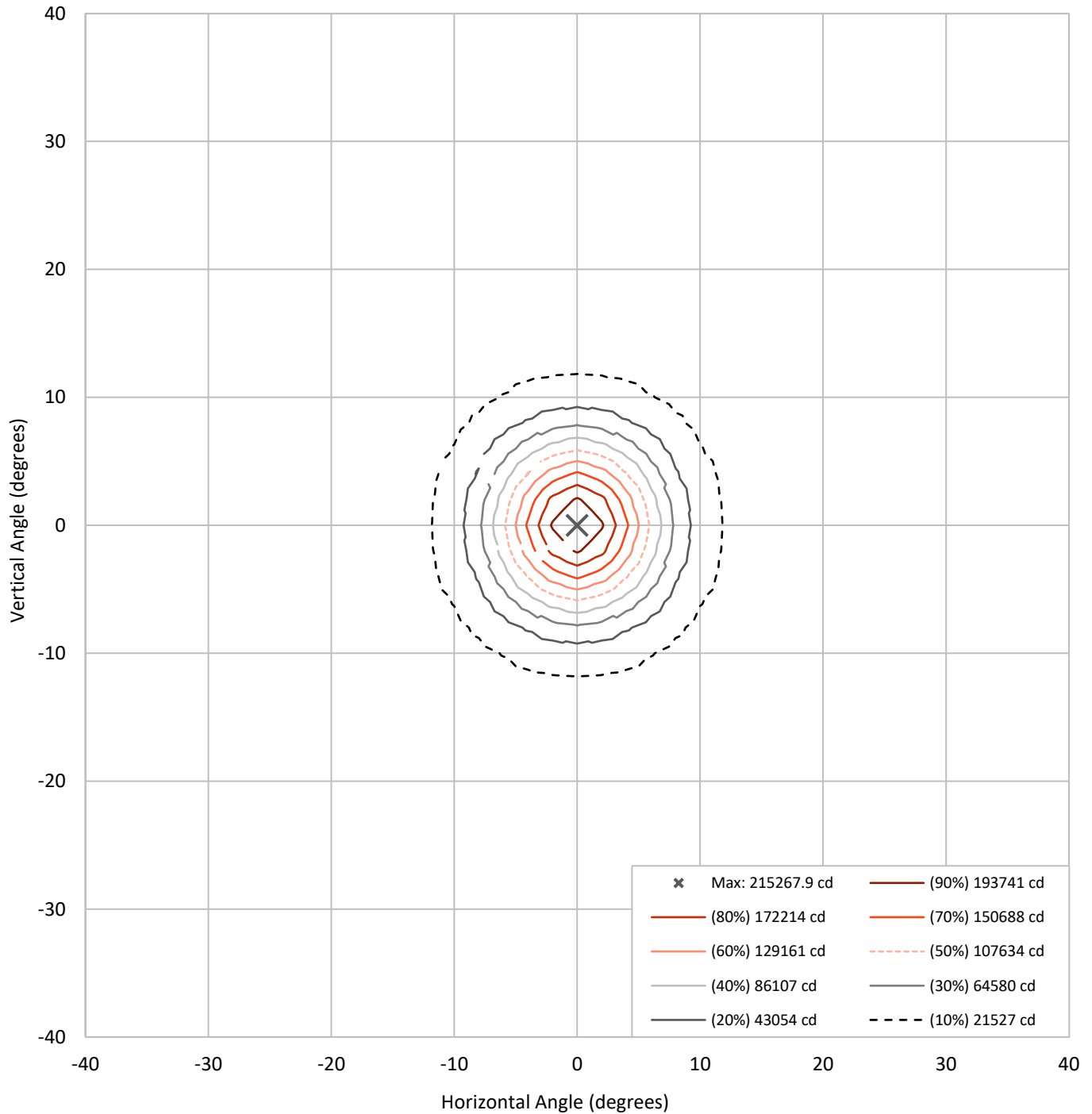
| | | | |
|-------------------|--------------------------------------|----------------------|------------------|
| Lumens per Lamp: | N/A | NEMA Type: | 2H x 2V |
| Luminaire Lumens: | 14414.9 lumens | Max Intensity: | 215267.9 candela |
| Efficiency: | N/A | Max Intensity Angle: | 0°H x 0°V |
| Efficacy: | 112.1 lumens/watt | | |
| Luminous Opening: | Rectangular (W 2' x L: 0.5' x H: 0') | | |
| Beam Angle (50%): | 11.8°H x 11.8°V | Field Angle (10%): | 23.7°H x 23.7°V |
| Beam Lumens: | 3491.8 lumens | Field Lumens: | 7503.9 lumens |
| Beam Efficiency: | 24.2% | Field Efficiency: | 52.1% |

Input Watts (W): 128.6
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: 28.75 FT



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Iso-Candela Plot





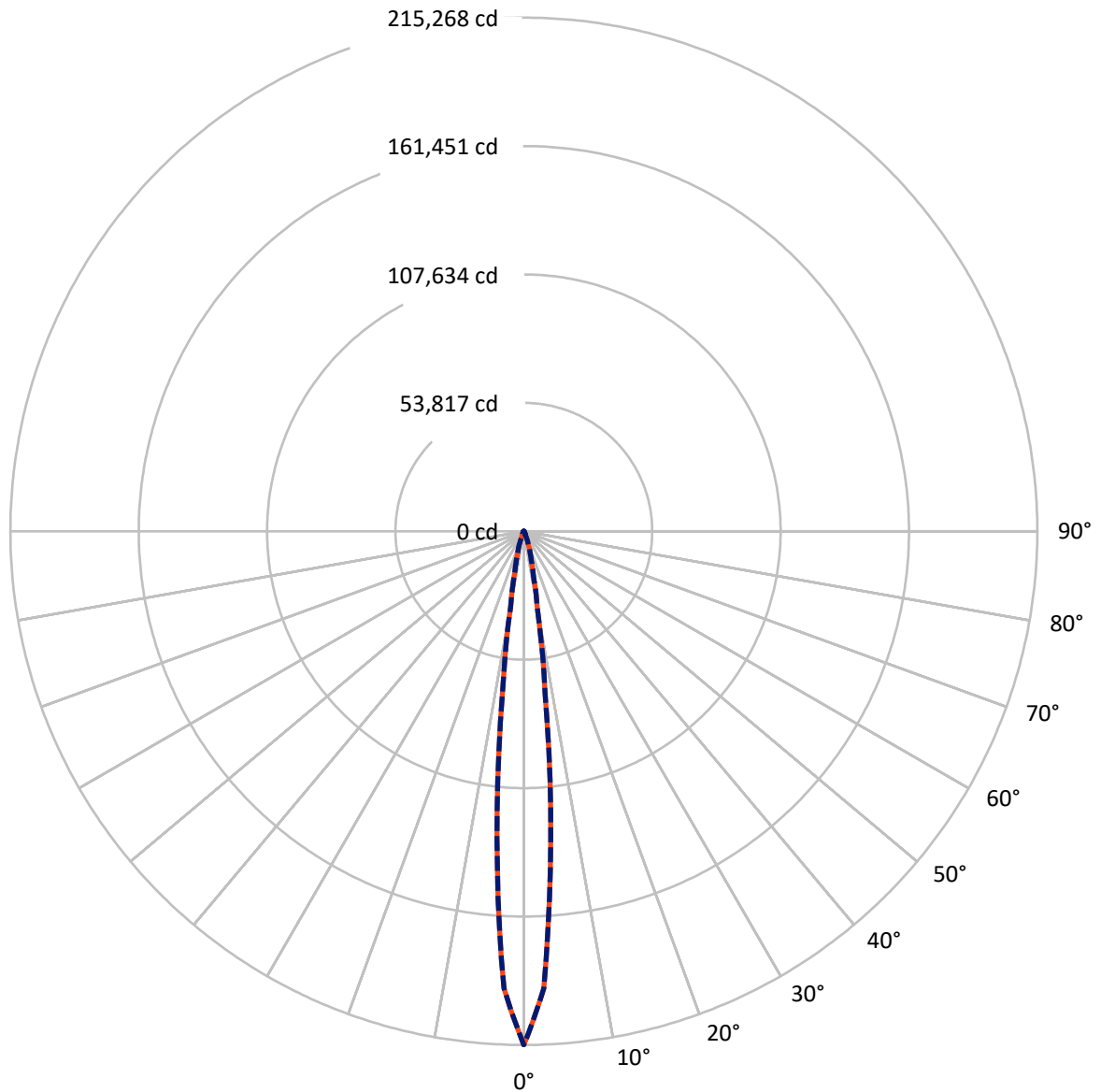
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 CATALOG NUMBER: IFLD-M-SA4A-727-U-22

Lumen Table

| | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|------|------|-------|--------|--------|-------|------|------|-----|-----|-----|-----|----|----|----|
| 90 | 0.5 | 3.1 | | 6.9 | | 10.4 | | 11.8 | | 10.4 | | 6.9 | | 3.1 | | 0.5 | | | |
| 80 | 0.5 | 3.1 | | 6.9 | | 10.4 | | 11.8 | | 10.4 | | 6.9 | | 3.1 | | 0.5 | | | |
| 70 | 1.4 | 1.3 | 2.4 | 3.7 | 5.0 | 6.0 | 6.7 | 7.1 | 7.1 | 6.7 | 6.0 | 5.0 | 3.7 | 2.4 | 1.3 | 1.4 | | | |
| 60 | | 1.8 | 3.3 | 4.9 | 6.2 | 7.2 | 7.9 | 8.2 | 8.2 | 7.9 | 7.2 | 6.2 | 4.9 | 3.3 | 1.8 | | | | |
| 50 | 2.1 | 2.2 | 4.0 | 5.5 | 6.8 | 7.9 | 9.1 | 9.9 | 9.9 | 9.1 | 7.9 | 6.8 | 5.5 | 4.0 | 2.2 | 2.1 | | | |
| 40 | | 2.6 | 4.4 | 5.9 | 7.5 | 10.1 | 12.9 | 14.8 | 14.8 | 12.9 | 10.1 | 7.5 | 5.9 | 4.4 | 2.6 | | | | |
| 30 | 2.5 | 2.8 | 4.6 | 6.2 | 9.1 | 13.9 | 26.3 | 50.4 | 50.4 | 26.3 | 13.9 | 9.1 | 6.2 | 4.6 | 2.8 | 2.5 | | | |
| 20 | | 3.0 | 4.7 | 6.7 | 11.0 | 24.8 | 121.9 | 340.7 | 340.7 | 121.9 | 24.8 | 11.0 | 6.7 | 4.7 | 3.0 | | | | |
| 10 | 2.7 | 3.0 | 4.7 | 7.0 | 12.2 | 46.4 | 332.1 | 2363.0 | 2363.0 | 332.1 | 46.4 | 12.2 | 7.0 | 4.7 | 3.0 | 2.7 | | | |
| 0 | | 3.0 | 4.7 | 7.0 | 12.2 | 46.4 | 332.1 | 2363.0 | 2363.0 | 332.1 | 46.4 | 12.2 | 7.0 | 4.7 | 3.0 | | | | |
| -10 | 2.5 | 3.0 | 4.7 | 6.7 | 11.0 | 24.8 | 121.9 | 340.7 | 340.7 | 121.9 | 24.8 | 11.0 | 6.7 | 4.7 | 3.0 | 2.5 | | | |
| -20 | | 2.8 | 4.6 | 6.2 | 9.1 | 13.9 | 26.3 | 50.4 | 50.4 | 26.3 | 13.9 | 9.1 | 6.2 | 4.6 | 2.8 | | | | |
| -30 | 2.1 | 2.6 | 4.4 | 5.9 | 7.5 | 10.1 | 12.9 | 14.8 | 14.8 | 12.9 | 10.1 | 7.5 | 5.9 | 4.4 | 2.6 | 2.1 | | | |
| -40 | | 2.2 | 4.0 | 5.5 | 6.8 | 7.9 | 9.1 | 9.9 | 9.9 | 9.1 | 7.9 | 6.8 | 5.5 | 4.0 | 2.2 | | | | |
| -50 | 1.4 | 1.8 | 3.3 | 4.9 | 6.2 | 7.2 | 7.9 | 8.2 | 8.2 | 7.9 | 7.2 | 6.2 | 4.9 | 3.3 | 1.8 | 1.4 | | | |
| -60 | | 1.3 | 2.4 | 3.7 | 5.0 | 6.0 | 6.7 | 7.1 | 7.1 | 6.7 | 6.0 | 5.0 | 3.7 | 2.4 | 1.3 | | | | |
| -70 | 0.5 | 3.1 | | 6.9 | | 10.4 | | 11.8 | | 10.4 | | 6.9 | | 3.1 | | 0.5 | | | |
| -80 | | 3.1 | | 6.9 | | 10.4 | | 11.8 | | 10.4 | | 6.9 | | 3.1 | | | | | |
| -90 | 0.5 | 3.1 | | 6.9 | | 10.4 | | 11.8 | | 10.4 | | 6.9 | | 3.1 | | 0.5 | | | |
| | -90 | -80 | -70 | -60 | -50 | -40 | -30 | -20 | -10 | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 |

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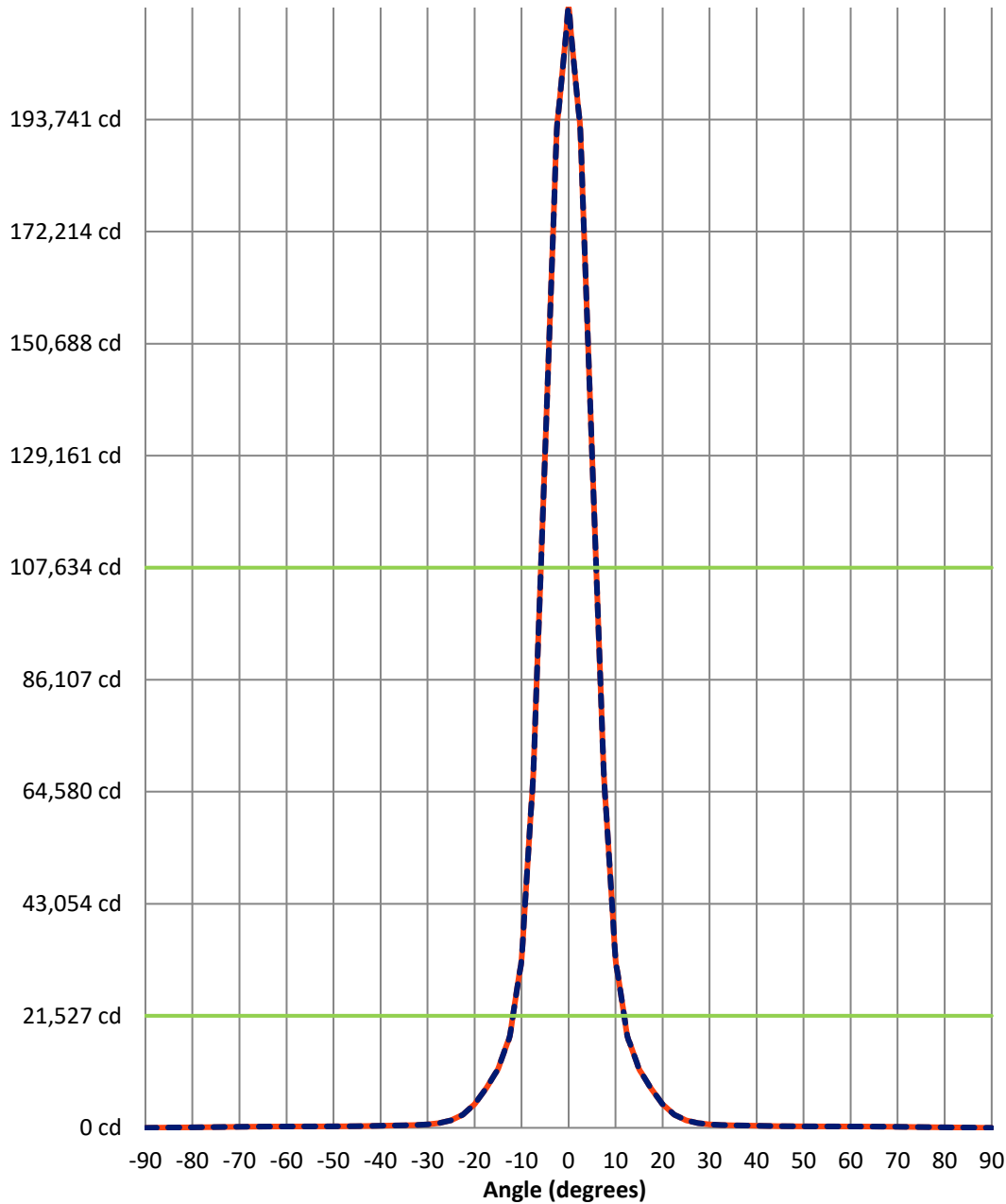
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 11.8°
V Angle: 11.8°
Lumens: 3491.8
Efficiency: 24.2%

Field:
H Angle: 23.7°
V Angle: 23.7°
Lumens: 7503.9
Efficiency: 52.1%

Spill:
Lumens: 6911
Efficiency: 47.9%

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



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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° | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 19.1 | 19.1 | 19.1 |
| 85° | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 53.2 | 53.2 | 53.2 | 51.1 | 51.1 | 48.9 |
| 82.5° | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 72.3 | 72.3 | 72.3 | 70.2 | 70.2 | 68.1 |
| 80° | 95.7 | 95.7 | 95.7 | 95.7 | 93.6 | 93.6 | 93.6 | 91.5 | 91.5 | 89.4 | 87.2 |
| 77.5° | 119.1 | 119.1 | 119.1 | 119.1 | 117.0 | 117.0 | 114.9 | 112.8 | 112.8 | 110.6 | 108.5 |
| 75° | 144.7 | 144.7 | 144.7 | 142.5 | 142.5 | 140.4 | 138.3 | 138.3 | 136.2 | 131.9 | 129.8 |
| 72.5° | 172.3 | 172.3 | 172.3 | 170.2 | 170.2 | 168.1 | 165.9 | 163.8 | 159.6 | 157.4 | 153.2 |
| 70° | 200.0 | 200.0 | 200.0 | 197.9 | 195.7 | 193.6 | 191.5 | 189.3 | 185.1 | 183.0 | 178.7 |
| 67.5° | 221.3 | 221.3 | 221.3 | 219.1 | 219.1 | 217.0 | 214.9 | 212.7 | 208.5 | 206.4 | 202.1 |
| 65° | 238.3 | 238.3 | 238.3 | 236.1 | 236.1 | 234.0 | 231.9 | 229.8 | 227.6 | 225.5 | 221.3 |
| 62.5° | 251.0 | 251.0 | 251.0 | 248.9 | 248.9 | 246.8 | 246.8 | 244.7 | 242.5 | 240.4 | 236.1 |
| 60° | 257.4 | 257.4 | 257.4 | 257.4 | 255.3 | 255.3 | 255.3 | 253.2 | 253.2 | 251.0 | 248.9 |
| 57.5° | 265.9 | 265.9 | 265.9 | 265.9 | 263.8 | 263.8 | 261.7 | 259.6 | 259.6 | 257.4 | 255.3 |
| 55° | 270.2 | 270.2 | 270.2 | 270.2 | 270.2 | 268.1 | 268.1 | 268.1 | 265.9 | 263.8 | 261.7 |
| 52.5° | 276.6 | 276.6 | 276.6 | 276.6 | 274.4 | 274.4 | 272.3 | 272.3 | 270.2 | 268.1 | 268.1 |
| 50° | 285.1 | 285.1 | 285.1 | 283.0 | 283.0 | 280.8 | 278.7 | 276.6 | 276.6 | 274.4 | 272.3 |
| 47.5° | 297.8 | 297.8 | 297.8 | 295.7 | 293.6 | 291.5 | 289.3 | 285.1 | 283.0 | 280.8 | 276.6 |
| 45° | 317.0 | 317.0 | 314.9 | 312.7 | 310.6 | 306.4 | 302.1 | 297.8 | 293.6 | 289.3 | 285.1 |
| 42.5° | 355.3 | 355.3 | 351.0 | 346.8 | 340.4 | 331.9 | 323.4 | 314.9 | 308.5 | 302.1 | 295.7 |
| 40° | 400.0 | 400.0 | 395.7 | 389.3 | 380.8 | 372.3 | 359.5 | 346.8 | 334.0 | 317.0 | 308.5 |
| 37.5° | 444.6 | 444.6 | 440.4 | 434.0 | 425.5 | 412.7 | 400.0 | 385.1 | 368.1 | 348.9 | 331.9 |
| 35° | 478.7 | 478.7 | 474.4 | 470.2 | 461.7 | 453.2 | 440.4 | 425.5 | 406.3 | 385.1 | 363.8 |
| 32.5° | 538.2 | 538.2 | 529.7 | 519.1 | 506.3 | 489.3 | 472.3 | 459.5 | 444.6 | 421.2 | 397.8 |
| 30° | 659.5 | 659.5 | 640.4 | 619.1 | 587.2 | 548.9 | 521.2 | 495.7 | 472.3 | 453.2 | 429.7 |
| 27.5° | 914.8 | 904.2 | 872.3 | 819.1 | 748.9 | 659.5 | 608.5 | 551.0 | 512.7 | 478.7 | 457.4 |
| 25° | 1442.4 | 1416.9 | 1344.6 | 1225.4 | 1061.6 | 887.2 | 772.3 | 651.0 | 580.8 | 523.4 | 485.1 |
| 22.5° | 2523.2 | 2465.7 | 2297.7 | 2023.2 | 1650.9 | 1319.0 | 1057.4 | 840.4 | 685.0 | 591.4 | 523.4 |
| 20° | 4535.8 | 4416.6 | 4059.2 | 3484.8 | 2710.4 | 2112.6 | 1523.3 | 1159.5 | 863.8 | 685.0 | 580.8 |
| 17.5° | 7629.1 | 7416.4 | 6788.8 | 5782.5 | 4535.8 | 3414.6 | 2353.0 | 1636.0 | 1159.5 | 840.4 | 651.0 |
| 15° | 11305.4 | 11007.5 | 10139.5 | 8758.8 | 7054.7 | 5237.8 | 3657.1 | 2353.0 | 1523.3 | 1057.4 | 772.3 |
| 12.5° | 17619.7 | 17004.9 | 15224.2 | 12449.9 | 9897.0 | 7497.2 | 5237.8 | 3414.6 | 2112.6 | 1319.0 | 887.2 |
| 10° | 32329.0 | 30535.6 | 25450.9 | 17753.7 | 13562.6 | 9897.0 | 7054.7 | 4535.8 | 2710.4 | 1650.9 | 1061.6 |
| 7.5° | 68025.8 | 60054.2 | 43351.4 | 28848.5 | 17753.7 | 12449.9 | 8758.8 | 5782.5 | 3484.8 | 2023.2 | 1225.4 |
| 5° | 129356.5 | 113072.8 | 77905.8 | 43351.4 | 25450.9 | 15224.2 | 10139.5 | 6788.8 | 4059.2 | 2297.7 | 1344.6 |
| 2.5° | 191763.6 | 169252.9 | 113072.8 | 60054.2 | 30535.6 | 17004.9 | 11007.5 | 7416.4 | 4416.6 | 2465.7 | 1416.9 |
| 0° | 215267.9 | 191763.6 | 129356.5 | 68025.8 | 32329.0 | 17619.7 | 11305.4 | 7629.1 | 4535.8 | 2523.2 | 1442.4 |



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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° | 19.1 | 19.1 | 17.0 | 17.0 | 17.0 | 17.0 | 14.9 | 14.9 | 14.9 | 12.8 | 12.8 |
| 85° | 46.8 | 46.8 | 44.7 | 42.5 | 40.4 | 40.4 | 38.3 | 36.2 | 34.0 | 31.9 | 27.7 |
| 82.5° | 68.1 | 66.0 | 66.0 | 63.8 | 61.7 | 61.7 | 59.6 | 57.4 | 55.3 | 53.2 | 48.9 |
| 80° | 85.1 | 85.1 | 83.0 | 80.8 | 78.7 | 76.6 | 72.3 | 70.2 | 68.1 | 66.0 | 63.8 |
| 77.5° | 106.4 | 104.2 | 100.0 | 97.9 | 95.7 | 91.5 | 89.4 | 85.1 | 83.0 | 78.7 | 74.5 |
| 75° | 127.6 | 123.4 | 121.3 | 117.0 | 112.8 | 108.5 | 104.2 | 100.0 | 95.7 | 91.5 | 87.2 |
| 72.5° | 148.9 | 144.7 | 142.5 | 136.2 | 131.9 | 127.6 | 121.3 | 117.0 | 112.8 | 106.4 | 100.0 |
| 70° | 174.5 | 170.2 | 163.8 | 159.6 | 153.2 | 146.8 | 140.4 | 134.0 | 127.6 | 121.3 | 114.9 |
| 67.5° | 197.9 | 193.6 | 187.2 | 180.8 | 174.5 | 168.1 | 159.6 | 153.2 | 144.7 | 136.2 | 129.8 |
| 65° | 217.0 | 212.7 | 208.5 | 202.1 | 195.7 | 187.2 | 178.7 | 170.2 | 161.7 | 153.2 | 144.7 |
| 62.5° | 231.9 | 227.6 | 223.4 | 219.1 | 212.7 | 206.4 | 200.0 | 189.3 | 180.8 | 170.2 | 159.6 |
| 60° | 244.7 | 242.5 | 238.3 | 231.9 | 227.6 | 221.3 | 214.9 | 206.4 | 197.9 | 185.1 | 174.5 |
| 57.5° | 253.2 | 251.0 | 248.9 | 244.7 | 240.4 | 234.0 | 227.6 | 219.1 | 210.6 | 202.1 | 189.3 |
| 55° | 259.6 | 257.4 | 255.3 | 253.2 | 248.9 | 244.7 | 238.3 | 231.9 | 223.4 | 214.9 | 204.2 |
| 52.5° | 265.9 | 263.8 | 259.6 | 257.4 | 255.3 | 251.0 | 246.8 | 240.4 | 234.0 | 225.5 | 214.9 |
| 50° | 270.2 | 268.1 | 265.9 | 263.8 | 259.6 | 255.3 | 253.2 | 248.9 | 242.5 | 234.0 | 225.5 |
| 47.5° | 274.4 | 272.3 | 270.2 | 268.1 | 265.9 | 261.7 | 257.4 | 253.2 | 248.9 | 242.5 | 234.0 |
| 45° | 280.8 | 276.6 | 274.4 | 270.2 | 268.1 | 265.9 | 261.7 | 257.4 | 253.2 | 248.9 | 240.4 |
| 42.5° | 289.3 | 283.0 | 280.8 | 276.6 | 272.3 | 270.2 | 265.9 | 261.7 | 257.4 | 253.2 | 246.8 |
| 40° | 300.0 | 293.6 | 287.2 | 280.8 | 276.6 | 272.3 | 270.2 | 265.9 | 261.7 | 255.3 | 251.0 |
| 37.5° | 314.9 | 304.2 | 295.7 | 287.2 | 280.8 | 276.6 | 272.3 | 268.1 | 265.9 | 259.6 | 255.3 |
| 35° | 342.5 | 319.1 | 306.4 | 295.7 | 287.2 | 280.8 | 276.6 | 270.2 | 268.1 | 263.8 | 257.4 |
| 32.5° | 372.3 | 346.8 | 321.2 | 306.4 | 295.7 | 287.2 | 280.8 | 274.4 | 270.2 | 265.9 | 259.6 |
| 30° | 404.2 | 374.4 | 346.8 | 319.1 | 304.2 | 293.6 | 283.0 | 276.6 | 272.3 | 268.1 | 263.8 |
| 27.5° | 434.0 | 404.2 | 372.3 | 342.5 | 314.9 | 300.0 | 289.3 | 280.8 | 274.4 | 270.2 | 265.9 |
| 25° | 457.4 | 429.7 | 397.8 | 363.8 | 331.9 | 308.5 | 295.7 | 285.1 | 276.6 | 272.3 | 268.1 |
| 22.5° | 478.7 | 453.2 | 421.2 | 385.1 | 348.9 | 317.0 | 302.1 | 289.3 | 280.8 | 274.4 | 268.1 |
| 20° | 512.7 | 472.3 | 444.6 | 406.3 | 368.1 | 334.0 | 308.5 | 293.6 | 283.0 | 276.6 | 270.2 |
| 17.5° | 551.0 | 495.7 | 459.5 | 425.5 | 385.1 | 346.8 | 314.9 | 297.8 | 285.1 | 276.6 | 272.3 |
| 15° | 608.5 | 521.2 | 472.3 | 440.4 | 400.0 | 359.5 | 323.4 | 302.1 | 289.3 | 278.7 | 272.3 |
| 12.5° | 659.5 | 548.9 | 489.3 | 453.2 | 412.7 | 372.3 | 331.9 | 306.4 | 291.5 | 280.8 | 274.4 |
| 10° | 748.9 | 587.2 | 506.3 | 461.7 | 425.5 | 380.8 | 340.4 | 310.6 | 293.6 | 283.0 | 274.4 |
| 7.5° | 819.1 | 619.1 | 519.1 | 470.2 | 434.0 | 389.3 | 346.8 | 312.7 | 295.7 | 283.0 | 276.6 |
| 5° | 872.3 | 640.4 | 529.7 | 474.4 | 440.4 | 395.7 | 351.0 | 314.9 | 297.8 | 285.1 | 276.6 |
| 2.5° | 904.2 | 659.5 | 538.2 | 478.7 | 444.6 | 400.0 | 355.3 | 317.0 | 297.8 | 285.1 | 276.6 |
| 0° | 914.8 | 659.5 | 538.2 | 478.7 | 444.6 | 400.0 | 355.3 | 317.0 | 297.8 | 285.1 | 276.6 |



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 CATALOG NUMBER: IFLD-M-SA4A-727-U-22

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° | 12.8 | 10.6 | 10.6 | 10.6 | 8.5 | 8.5 | 6.4 | 6.4 | 6.4 | 4.3 | 4.3 |
| 85° | 25.5 | 23.4 | 21.3 | 19.1 | 17.0 | 17.0 | 14.9 | 12.8 | 10.6 | 8.5 | 6.4 |
| 82.5° | 44.7 | 42.5 | 38.3 | 34.0 | 29.8 | 25.5 | 21.3 | 19.1 | 17.0 | 12.8 | 10.6 |
| 80° | 61.7 | 57.4 | 55.3 | 48.9 | 44.7 | 38.3 | 34.0 | 27.7 | 21.3 | 19.1 | 14.9 |
| 77.5° | 72.3 | 68.1 | 63.8 | 61.7 | 57.4 | 51.1 | 44.7 | 38.3 | 31.9 | 23.4 | 19.1 |
| 75° | 83.0 | 78.7 | 74.5 | 70.2 | 66.0 | 59.6 | 55.3 | 48.9 | 40.4 | 31.9 | 21.3 |
| 72.5° | 95.7 | 89.4 | 85.1 | 78.7 | 72.3 | 68.1 | 61.7 | 57.4 | 48.9 | 38.3 | 27.7 |
| 70° | 108.5 | 102.1 | 93.6 | 87.2 | 80.8 | 74.5 | 68.1 | 61.7 | 55.3 | 44.7 | 34.0 |
| 67.5° | 121.3 | 112.8 | 106.4 | 97.9 | 89.4 | 83.0 | 74.5 | 68.1 | 59.6 | 51.1 | 38.3 |
| 65° | 134.0 | 125.5 | 117.0 | 108.5 | 97.9 | 89.4 | 80.8 | 72.3 | 66.0 | 57.4 | 44.7 |
| 62.5° | 148.9 | 138.3 | 127.6 | 117.0 | 108.5 | 97.9 | 87.2 | 78.7 | 70.2 | 61.7 | 48.9 |
| 60° | 163.8 | 151.1 | 138.3 | 127.6 | 117.0 | 106.4 | 93.6 | 85.1 | 74.5 | 63.8 | 55.3 |
| 57.5° | 176.6 | 163.8 | 151.1 | 138.3 | 125.5 | 112.8 | 102.1 | 89.4 | 78.7 | 68.1 | 57.4 |
| 55° | 191.5 | 176.6 | 163.8 | 148.9 | 134.0 | 121.3 | 108.5 | 95.7 | 83.0 | 72.3 | 61.7 |
| 52.5° | 204.2 | 189.3 | 174.5 | 159.6 | 144.7 | 129.8 | 114.9 | 100.0 | 87.2 | 74.5 | 63.8 |
| 50° | 214.9 | 202.1 | 185.1 | 170.2 | 153.2 | 136.2 | 121.3 | 106.4 | 91.5 | 78.7 | 66.0 |
| 47.5° | 223.4 | 210.6 | 197.9 | 180.8 | 161.7 | 144.7 | 127.6 | 112.8 | 95.7 | 83.0 | 68.1 |
| 45° | 231.9 | 219.1 | 206.4 | 189.3 | 170.2 | 153.2 | 134.0 | 117.0 | 100.0 | 85.1 | 70.2 |
| 42.5° | 238.3 | 227.6 | 214.9 | 200.0 | 178.7 | 159.6 | 140.4 | 121.3 | 104.2 | 89.4 | 72.3 |
| 40° | 244.7 | 234.0 | 221.3 | 206.4 | 187.2 | 168.1 | 146.8 | 127.6 | 108.5 | 91.5 | 76.6 |
| 37.5° | 248.9 | 240.4 | 227.6 | 212.7 | 195.7 | 174.5 | 153.2 | 131.9 | 112.8 | 95.7 | 78.7 |
| 35° | 253.2 | 244.7 | 231.9 | 219.1 | 202.1 | 180.8 | 159.6 | 136.2 | 117.0 | 97.9 | 80.8 |
| 32.5° | 255.3 | 248.9 | 238.3 | 223.4 | 208.5 | 187.2 | 163.8 | 142.5 | 121.3 | 100.0 | 83.0 |
| 30° | 257.4 | 251.0 | 242.5 | 227.6 | 212.7 | 193.6 | 170.2 | 144.7 | 123.4 | 104.2 | 85.1 |
| 27.5° | 259.6 | 253.2 | 244.7 | 231.9 | 217.0 | 197.9 | 174.5 | 148.9 | 127.6 | 106.4 | 85.1 |
| 25° | 261.7 | 255.3 | 248.9 | 236.1 | 221.3 | 202.1 | 178.7 | 153.2 | 129.8 | 108.5 | 87.2 |
| 22.5° | 263.8 | 257.4 | 251.0 | 240.4 | 225.5 | 206.4 | 183.0 | 157.4 | 131.9 | 110.6 | 89.4 |
| 20° | 265.9 | 259.6 | 253.2 | 242.5 | 227.6 | 208.5 | 185.1 | 159.6 | 136.2 | 112.8 | 91.5 |
| 17.5° | 268.1 | 259.6 | 253.2 | 244.7 | 229.8 | 212.7 | 189.3 | 163.8 | 138.3 | 112.8 | 91.5 |
| 15° | 268.1 | 261.7 | 255.3 | 246.8 | 231.9 | 214.9 | 191.5 | 165.9 | 138.3 | 114.9 | 93.6 |
| 12.5° | 268.1 | 263.8 | 255.3 | 246.8 | 234.0 | 217.0 | 193.6 | 168.1 | 140.4 | 117.0 | 93.6 |
| 10° | 270.2 | 263.8 | 255.3 | 248.9 | 236.1 | 219.1 | 195.7 | 170.2 | 142.5 | 117.0 | 93.6 |
| 7.5° | 270.2 | 265.9 | 257.4 | 248.9 | 236.1 | 219.1 | 197.9 | 170.2 | 142.5 | 119.1 | 95.7 |
| 5° | 270.2 | 265.9 | 257.4 | 251.0 | 238.3 | 221.3 | 200.0 | 172.3 | 144.7 | 119.1 | 95.7 |
| 2.5° | 270.2 | 265.9 | 257.4 | 251.0 | 238.3 | 221.3 | 200.0 | 172.3 | 144.7 | 119.1 | 95.7 |
| 0° | 270.2 | 265.9 | 257.4 | 251.0 | 238.3 | 221.3 | 200.0 | 172.3 | 144.7 | 119.1 | 95.7 |



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 CATALOG NUMBER: IFLD-M-SA4A-727-U-22

CANDELA DISTRIBUTION (continued):

| | 82.5° | 85° | 87.5° | 90° |
|-------|-------|------|-------|-----|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 2.1 | 2.1 | 0.0 | 0.0 |
| 85° | 6.4 | 4.3 | 2.1 | 0.0 |
| 82.5° | 8.5 | 6.4 | 2.1 | 0.0 |
| 80° | 10.6 | 6.4 | 4.3 | 0.0 |
| 77.5° | 12.8 | 8.5 | 4.3 | 0.0 |
| 75° | 17.0 | 10.6 | 6.4 | 0.0 |
| 72.5° | 19.1 | 12.8 | 6.4 | 0.0 |
| 70° | 21.3 | 14.9 | 6.4 | 0.0 |
| 67.5° | 25.5 | 17.0 | 8.5 | 0.0 |
| 65° | 29.8 | 17.0 | 8.5 | 0.0 |
| 62.5° | 34.0 | 19.1 | 10.6 | 0.0 |
| 60° | 38.3 | 21.3 | 10.6 | 0.0 |
| 57.5° | 42.5 | 23.4 | 10.6 | 0.0 |
| 55° | 44.7 | 25.5 | 12.8 | 0.0 |
| 52.5° | 48.9 | 27.7 | 12.8 | 0.0 |
| 50° | 53.2 | 31.9 | 12.8 | 0.0 |
| 47.5° | 55.3 | 34.0 | 14.9 | 0.0 |
| 45° | 57.4 | 36.2 | 14.9 | 0.0 |
| 42.5° | 59.6 | 38.3 | 14.9 | 0.0 |
| 40° | 61.7 | 40.4 | 17.0 | 0.0 |
| 37.5° | 61.7 | 40.4 | 17.0 | 0.0 |
| 35° | 63.8 | 42.5 | 17.0 | 0.0 |
| 32.5° | 66.0 | 44.7 | 17.0 | 0.0 |
| 30° | 66.0 | 46.8 | 19.1 | 0.0 |
| 27.5° | 68.1 | 46.8 | 19.1 | 0.0 |
| 25° | 68.1 | 48.9 | 19.1 | 0.0 |
| 22.5° | 70.2 | 51.1 | 19.1 | 0.0 |
| 20° | 70.2 | 51.1 | 19.1 | 0.0 |
| 17.5° | 72.3 | 53.2 | 21.3 | 0.0 |
| 15° | 72.3 | 53.2 | 21.3 | 0.0 |
| 12.5° | 72.3 | 53.2 | 21.3 | 0.0 |
| 10° | 74.5 | 55.3 | 21.3 | 0.0 |
| 7.5° | 74.5 | 55.3 | 21.3 | 0.0 |
| 5° | 74.5 | 55.3 | 21.3 | 0.0 |
| 2.5° | 74.5 | 55.3 | 21.3 | 0.0 |
| 0° | 74.5 | 55.3 | 21.3 | 0.0 |

(END OF REPORT)