

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: P723409

Luminaire Tested: **IFLD-S-SA3D-827-U-22**

Issue Date: 01/11/2023

Test Information

Test Method: LM-79-2019
Report Number: P723409
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-827-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens
Light Source: (48) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

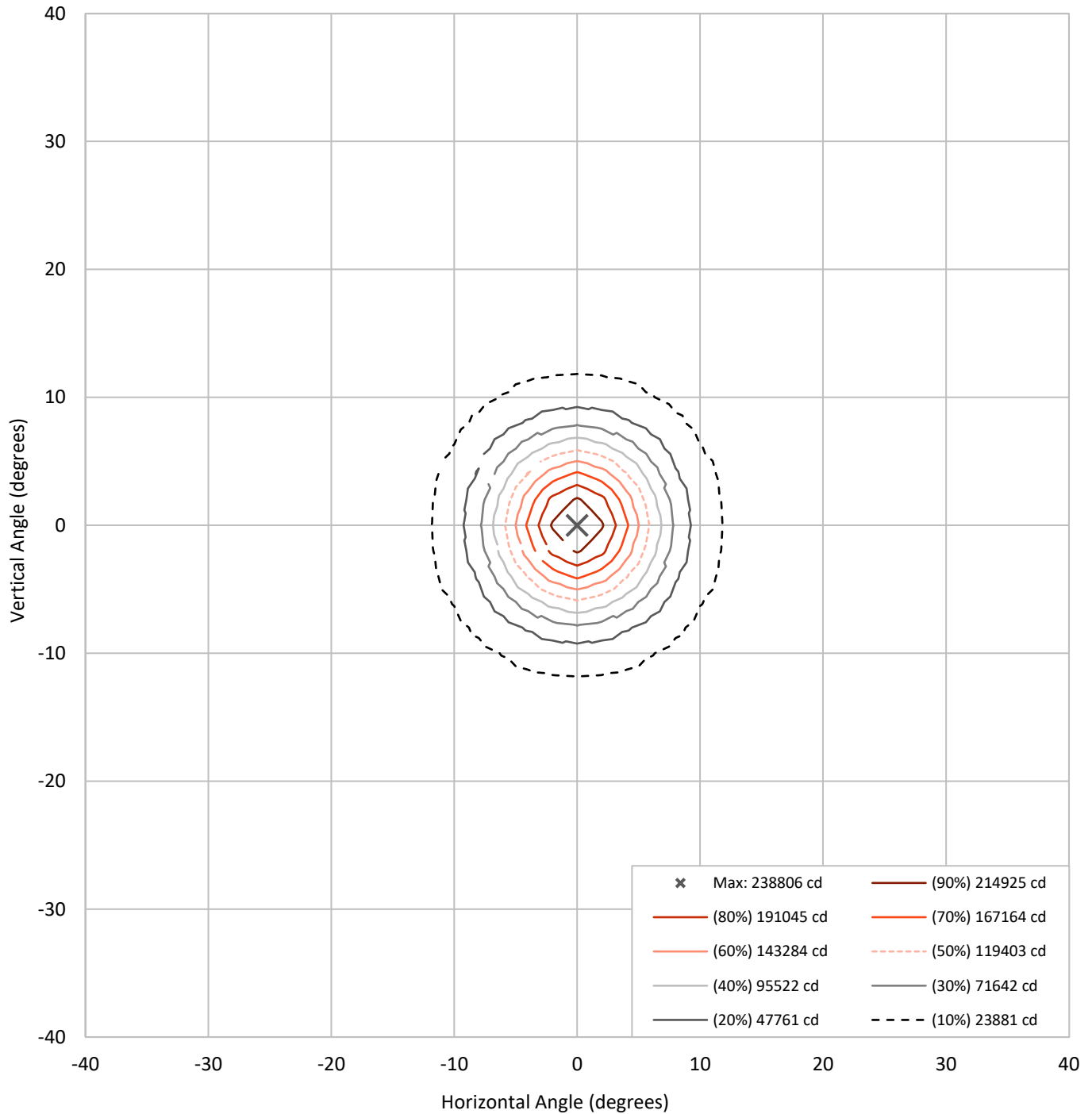
| | | | |
|-------------------|--|----------------------|-----------------|
| Lumens per Lamp: | N/A | NEMA Type: | 2H x 2V |
| Luminaire Lumens: | 15991.1 lumens | Max Intensity: | 238806 candela |
| Efficiency: | N/A | Max Intensity Angle: | 0°H x 0°V |
| Efficacy: | 86.9 lumens/watt | | |
| Luminous Opening: | Rectangular (W 1.5' 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: | 3873.6 lumens | Field Lumens: | 8324.4 lumens |
| Beam Efficiency: | 24.2% | Field Efficiency: | 52.1% |

Input Watts (W): 184.1
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: 28.75 FT



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Iso-Candela Plot





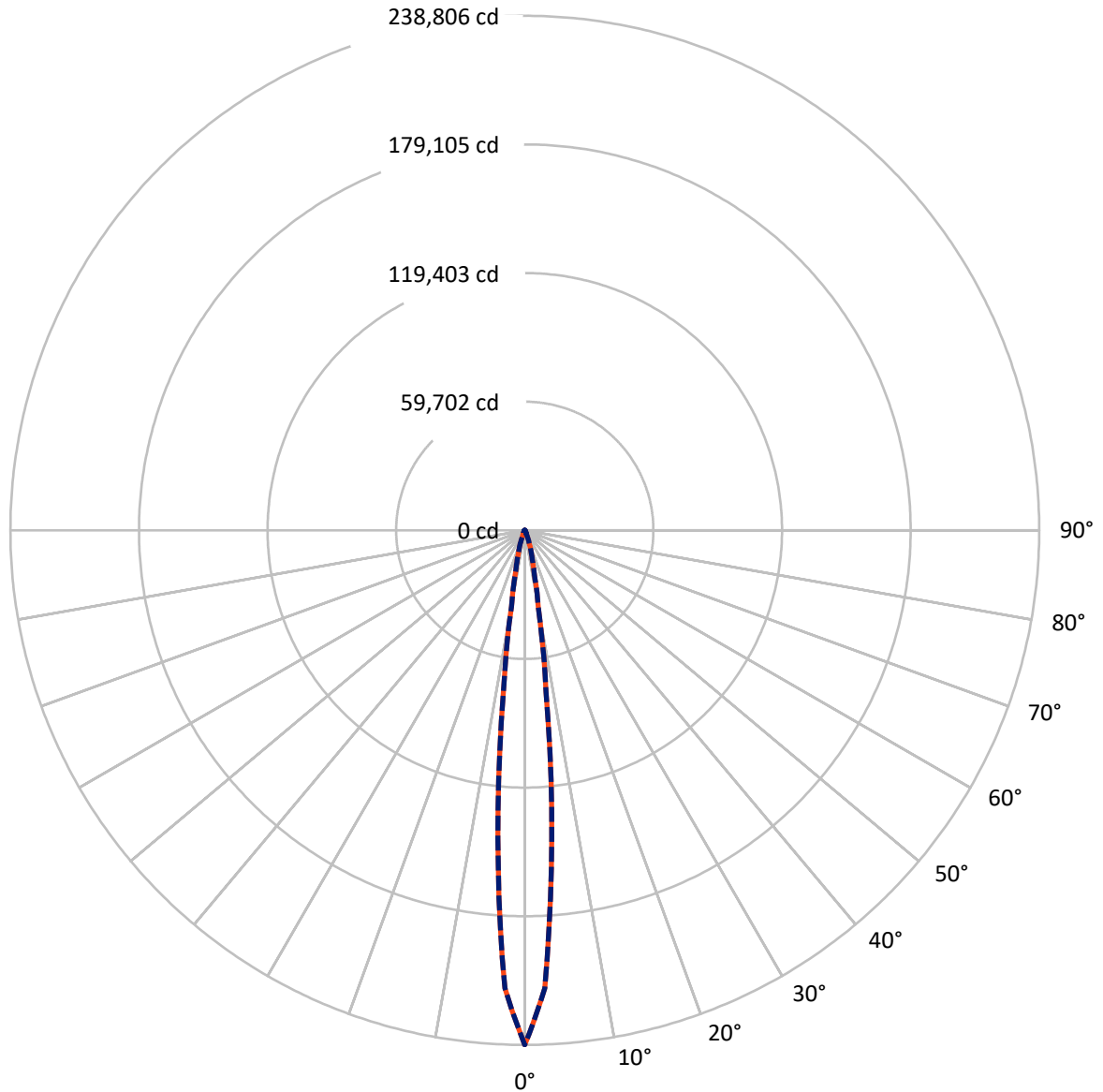
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Lumen Table

| | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|------|------|-------|--------|--------|-------|------|------|-----|-----|-----|-----|----|----|----|
| 90 | 0.5 | 3.4 | | 7.7 | | 11.5 | | 13.1 | | 11.5 | | 7.7 | | 3.4 | | 0.5 | | | |
| 80 | 0.5 | 3.4 | | 7.7 | | 11.5 | | 13.1 | | 11.5 | | 7.7 | | 3.4 | | 0.5 | | | |
| 70 | 1.5 | 1.4 | 2.6 | 4.1 | 5.5 | 6.7 | 7.5 | 7.9 | 7.9 | 7.5 | 6.7 | 5.5 | 4.1 | 2.6 | 1.4 | 1.5 | | | |
| 60 | | 2.0 | 3.7 | 5.5 | 6.9 | 8.0 | 8.7 | 9.1 | 9.1 | 8.7 | 8.0 | 6.9 | 5.5 | 3.7 | 2.0 | | | | |
| 50 | 2.3 | 2.5 | 4.4 | 6.1 | 7.5 | 8.8 | 10.1 | 10.9 | 10.9 | 10.1 | 8.8 | 7.5 | 6.1 | 4.4 | 2.5 | 2.3 | | | |
| 40 | | 2.9 | 4.9 | 6.5 | 8.3 | 11.2 | 14.3 | 16.4 | 16.4 | 14.3 | 11.2 | 8.3 | 6.5 | 4.9 | 2.9 | | | | |
| 30 | 2.8 | 3.1 | 5.1 | 6.9 | 10.1 | 15.4 | 29.2 | 55.9 | 55.9 | 29.2 | 15.4 | 10.1 | 6.9 | 5.1 | 3.1 | 2.8 | | | |
| 20 | | 3.3 | 5.2 | 7.4 | 12.2 | 27.6 | 135.3 | 378.0 | 378.0 | 135.3 | 27.6 | 12.2 | 7.4 | 5.2 | 3.3 | | | | |
| 10 | 3.0 | 3.4 | 5.2 | 7.8 | 13.6 | 51.4 | 368.4 | 2621.4 | 2621.4 | 368.4 | 51.4 | 13.6 | 7.8 | 5.2 | 3.4 | 3.0 | | | |
| 0 | | 3.4 | 5.2 | 7.8 | 13.6 | 51.4 | 368.4 | 2621.4 | 2621.4 | 368.4 | 51.4 | 13.6 | 7.8 | 5.2 | 3.4 | | | | |
| -10 | 2.8 | 3.3 | 5.2 | 7.4 | 12.2 | 27.6 | 135.3 | 378.0 | 378.0 | 135.3 | 27.6 | 12.2 | 7.4 | 5.2 | 3.3 | 2.8 | | | |
| -20 | | 3.1 | 5.1 | 6.9 | 10.1 | 15.4 | 29.2 | 55.9 | 55.9 | 29.2 | 15.4 | 10.1 | 6.9 | 5.1 | 3.1 | | | | |
| -30 | 2.3 | 2.9 | 4.9 | 6.5 | 8.3 | 11.2 | 14.3 | 16.4 | 16.4 | 14.3 | 11.2 | 8.3 | 6.5 | 4.9 | 2.9 | 2.3 | | | |
| -40 | | 2.5 | 4.4 | 6.1 | 7.5 | 8.8 | 10.1 | 10.9 | 10.9 | 10.1 | 8.8 | 7.5 | 6.1 | 4.4 | 2.5 | | | | |
| -50 | 1.5 | 2.0 | 3.7 | 5.5 | 6.9 | 8.0 | 8.7 | 9.1 | 9.1 | 8.7 | 8.0 | 6.9 | 5.5 | 3.7 | 2.0 | 1.5 | | | |
| -60 | | 1.4 | 2.6 | 4.1 | 5.5 | 6.7 | 7.5 | 7.9 | 7.9 | 7.5 | 6.7 | 5.5 | 4.1 | 2.6 | 1.4 | | | | |
| -70 | 0.5 | 3.4 | | 7.7 | | 11.5 | | 13.1 | | 11.5 | | 7.7 | | 3.4 | | 0.5 | | | |
| -80 | | 3.4 | | 7.7 | | 11.5 | | 13.1 | | 11.5 | | 7.7 | | 3.4 | | | | | |
| -90 | 0.5 | 3.4 | | 7.7 | | 11.5 | | 13.1 | | 11.5 | | 7.7 | | 3.4 | | 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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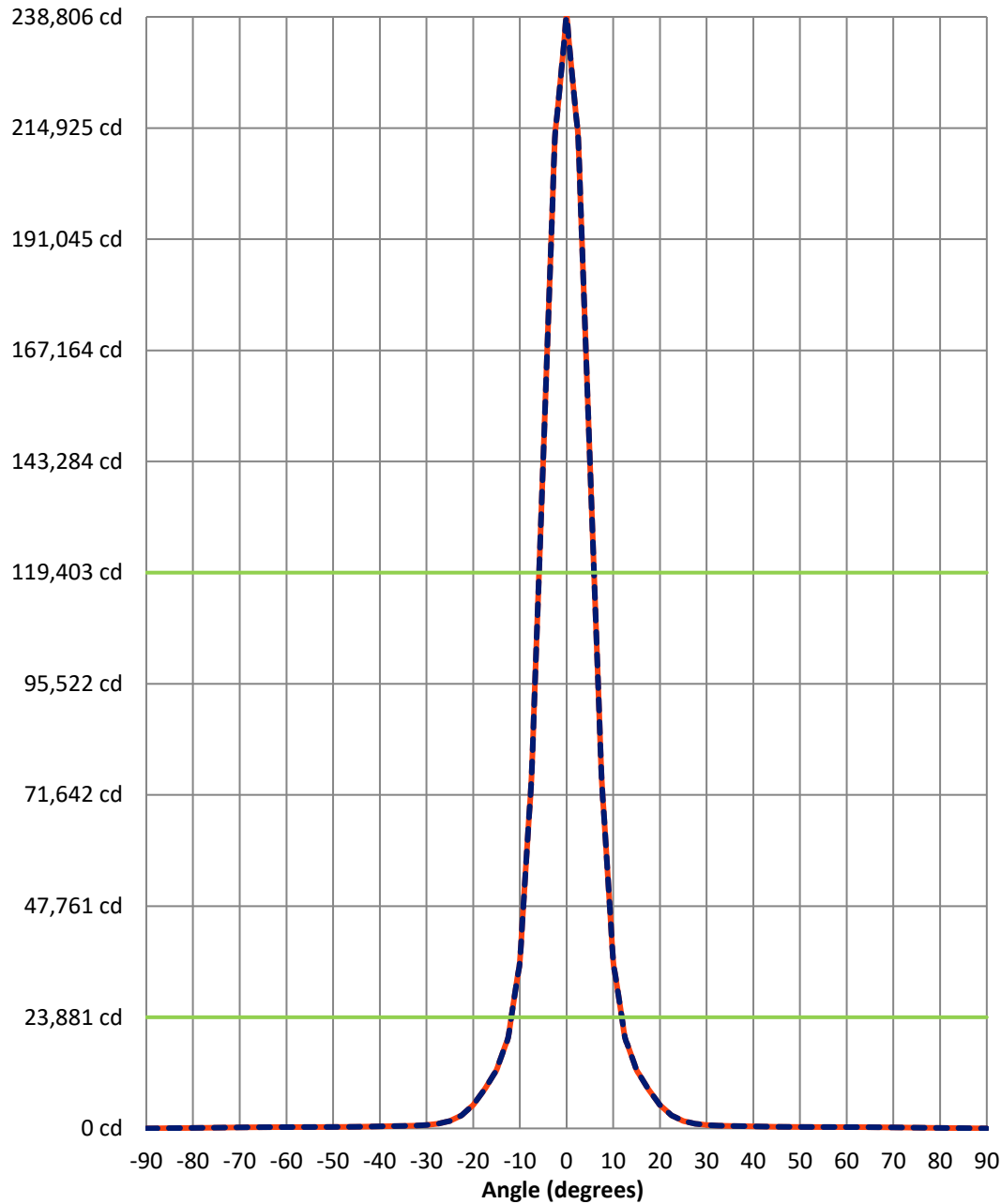
Luminous Intensity Polar Plot



— 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: 3873.6
Efficiency: 24.2%

Field:
H Angle: 23.7°
V Angle: 23.7°
Lumens: 8324.4
Efficiency: 52.1%

Spill:
Lumens: 7666.6
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° | 23.6 | 23.6 | 23.6 | 23.6 | 23.6 | 23.6 | 23.6 | 23.6 | 21.2 | 21.2 | 21.2 |
| 85° | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 59.0 | 59.0 | 59.0 | 56.6 | 56.6 | 54.3 |
| 82.5° | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 80.2 | 80.2 | 80.2 | 77.9 | 77.9 | 75.5 |
| 80° | 106.2 | 106.2 | 106.2 | 106.2 | 103.8 | 103.8 | 103.8 | 101.5 | 101.5 | 99.1 | 96.8 |
| 77.5° | 132.2 | 132.2 | 132.2 | 132.2 | 129.8 | 129.8 | 127.4 | 125.1 | 125.1 | 122.7 | 120.4 |
| 75° | 160.5 | 160.5 | 160.5 | 158.1 | 158.1 | 155.8 | 153.4 | 153.4 | 151.0 | 146.3 | 144.0 |
| 72.5° | 191.2 | 191.2 | 191.2 | 188.8 | 188.8 | 186.4 | 184.1 | 181.7 | 177.0 | 174.6 | 169.9 |
| 70° | 221.8 | 221.8 | 221.8 | 219.5 | 217.1 | 214.8 | 212.4 | 210.0 | 205.3 | 203.0 | 198.2 |
| 67.5° | 245.4 | 245.4 | 245.4 | 243.1 | 243.1 | 240.7 | 238.4 | 236.0 | 231.3 | 228.9 | 224.2 |
| 65° | 264.3 | 264.3 | 264.3 | 262.0 | 262.0 | 259.6 | 257.3 | 254.9 | 252.5 | 250.2 | 245.4 |
| 62.5° | 278.5 | 278.5 | 278.5 | 276.1 | 276.1 | 273.8 | 273.8 | 271.4 | 269.1 | 266.7 | 262.0 |
| 60° | 285.6 | 285.6 | 285.6 | 285.6 | 283.2 | 283.2 | 283.2 | 280.9 | 280.9 | 278.5 | 276.1 |
| 57.5° | 295.0 | 295.0 | 295.0 | 295.0 | 292.7 | 292.7 | 290.3 | 287.9 | 287.9 | 285.6 | 283.2 |
| 55° | 299.7 | 299.7 | 299.7 | 299.7 | 299.7 | 297.4 | 297.4 | 297.4 | 295.0 | 292.7 | 290.3 |
| 52.5° | 306.8 | 306.8 | 306.8 | 306.8 | 304.5 | 304.5 | 302.1 | 302.1 | 299.7 | 297.4 | 297.4 |
| 50° | 316.3 | 316.3 | 316.3 | 313.9 | 313.9 | 311.5 | 309.2 | 306.8 | 306.8 | 304.5 | 302.1 |
| 47.5° | 330.4 | 330.4 | 330.4 | 328.1 | 325.7 | 323.3 | 321.0 | 316.3 | 313.9 | 311.5 | 306.8 |
| 45° | 351.7 | 351.7 | 349.3 | 346.9 | 344.6 | 339.9 | 335.1 | 330.4 | 325.7 | 321.0 | 316.3 |
| 42.5° | 394.1 | 394.1 | 389.4 | 384.7 | 377.6 | 368.2 | 358.7 | 349.3 | 342.2 | 335.1 | 328.1 |
| 40° | 443.7 | 443.7 | 439.0 | 431.9 | 422.5 | 413.0 | 398.9 | 384.7 | 370.5 | 351.7 | 342.2 |
| 37.5° | 493.3 | 493.3 | 488.5 | 481.5 | 472.0 | 457.9 | 443.7 | 427.2 | 408.3 | 387.1 | 368.2 |
| 35° | 531.0 | 531.0 | 526.3 | 521.6 | 512.1 | 502.7 | 488.5 | 472.0 | 450.8 | 427.2 | 403.6 |
| 32.5° | 597.1 | 597.1 | 587.7 | 575.9 | 561.7 | 542.8 | 523.9 | 509.8 | 493.3 | 467.3 | 441.3 |
| 30° | 731.6 | 731.6 | 710.4 | 686.8 | 651.4 | 608.9 | 578.2 | 549.9 | 523.9 | 502.7 | 476.7 |
| 27.5° | 1014.8 | 1003.0 | 967.6 | 908.6 | 830.8 | 731.6 | 675.0 | 611.3 | 568.8 | 531.0 | 507.4 |
| 25° | 1600.1 | 1571.8 | 1491.6 | 1359.4 | 1177.7 | 984.2 | 856.7 | 722.2 | 644.3 | 580.6 | 538.1 |
| 22.5° | 2799.1 | 2735.3 | 2548.9 | 2244.4 | 1831.4 | 1463.3 | 1173.0 | 932.2 | 759.9 | 656.1 | 580.6 |
| 20° | 5031.7 | 4899.6 | 4503.1 | 3865.8 | 3006.8 | 2343.6 | 1689.8 | 1286.3 | 958.2 | 759.9 | 644.3 |
| 17.5° | 8463.3 | 8227.3 | 7531.1 | 6414.7 | 5031.7 | 3787.9 | 2610.3 | 1814.9 | 1286.3 | 932.2 | 722.2 |
| 15° | 12541.5 | 12211.1 | 11248.2 | 9716.5 | 7826.1 | 5810.5 | 4057.0 | 2610.3 | 1689.8 | 1173.0 | 856.7 |
| 12.5° | 19546.3 | 18864.2 | 16888.8 | 13811.3 | 10979.2 | 8317.0 | 5810.5 | 3787.9 | 2343.6 | 1463.3 | 984.2 |
| 10° | 35864.0 | 33874.4 | 28233.8 | 19695.0 | 15045.6 | 10979.2 | 7826.1 | 5031.7 | 3006.8 | 1831.4 | 1177.7 |
| 7.5° | 75464.0 | 66620.7 | 48091.6 | 32002.9 | 19695.0 | 13811.3 | 9716.5 | 6414.7 | 3865.8 | 2244.4 | 1359.4 |
| 5° | 143500.7 | 125436.6 | 86424.2 | 48091.6 | 28233.8 | 16888.8 | 11248.2 | 7531.1 | 4503.1 | 2548.9 | 1491.6 |
| 2.5° | 212731.7 | 187759.5 | 125436.6 | 66620.7 | 33874.4 | 18864.2 | 12211.1 | 8227.3 | 4899.6 | 2735.3 | 1571.8 |
| 0° | 238806.0 | 212731.7 | 143500.7 | 75464.0 | 35864.0 | 19546.3 | 12541.5 | 8463.3 | 5031.7 | 2799.1 | 1600.1 |



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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° | 21.2 | 21.2 | 18.9 | 18.9 | 18.9 | 18.9 | 16.5 | 16.5 | 16.5 | 14.2 | 14.2 |
| 85° | 51.9 | 51.9 | 49.6 | 47.2 | 44.8 | 44.8 | 42.5 | 40.1 | 37.8 | 35.4 | 30.7 |
| 82.5° | 75.5 | 73.2 | 73.2 | 70.8 | 68.4 | 68.4 | 66.1 | 63.7 | 61.4 | 59.0 | 54.3 |
| 80° | 94.4 | 94.4 | 92.0 | 89.7 | 87.3 | 85.0 | 80.2 | 77.9 | 75.5 | 73.2 | 70.8 |
| 77.5° | 118.0 | 115.6 | 110.9 | 108.6 | 106.2 | 101.5 | 99.1 | 94.4 | 92.0 | 87.3 | 82.6 |
| 75° | 141.6 | 136.9 | 134.5 | 129.8 | 125.1 | 120.4 | 115.6 | 110.9 | 106.2 | 101.5 | 96.8 |
| 72.5° | 165.2 | 160.5 | 158.1 | 151.0 | 146.3 | 141.6 | 134.5 | 129.8 | 125.1 | 118.0 | 110.9 |
| 70° | 193.5 | 188.8 | 181.7 | 177.0 | 169.9 | 162.8 | 155.8 | 148.7 | 141.6 | 134.5 | 127.4 |
| 67.5° | 219.5 | 214.8 | 207.7 | 200.6 | 193.5 | 186.4 | 177.0 | 169.9 | 160.5 | 151.0 | 144.0 |
| 65° | 240.7 | 236.0 | 231.3 | 224.2 | 217.1 | 207.7 | 198.2 | 188.8 | 179.4 | 169.9 | 160.5 |
| 62.5° | 257.3 | 252.5 | 247.8 | 243.1 | 236.0 | 228.9 | 221.8 | 210.0 | 200.6 | 188.8 | 177.0 |
| 60° | 271.4 | 269.1 | 264.3 | 257.3 | 252.5 | 245.4 | 238.4 | 228.9 | 219.5 | 205.3 | 193.5 |
| 57.5° | 280.9 | 278.5 | 276.1 | 271.4 | 266.7 | 259.6 | 252.5 | 243.1 | 233.6 | 224.2 | 210.0 |
| 55° | 287.9 | 285.6 | 283.2 | 280.9 | 276.1 | 271.4 | 264.3 | 257.3 | 247.8 | 238.4 | 226.6 |
| 52.5° | 295.0 | 292.7 | 287.9 | 285.6 | 283.2 | 278.5 | 273.8 | 266.7 | 259.6 | 250.2 | 238.4 |
| 50° | 299.7 | 297.4 | 295.0 | 292.7 | 287.9 | 283.2 | 280.9 | 276.1 | 269.1 | 259.6 | 250.2 |
| 47.5° | 304.5 | 302.1 | 299.7 | 297.4 | 295.0 | 290.3 | 285.6 | 280.9 | 276.1 | 269.1 | 259.6 |
| 45° | 311.5 | 306.8 | 304.5 | 299.7 | 297.4 | 295.0 | 290.3 | 285.6 | 280.9 | 276.1 | 266.7 |
| 42.5° | 321.0 | 313.9 | 311.5 | 306.8 | 302.1 | 299.7 | 295.0 | 290.3 | 285.6 | 280.9 | 273.8 |
| 40° | 332.8 | 325.7 | 318.6 | 311.5 | 306.8 | 302.1 | 299.7 | 295.0 | 290.3 | 283.2 | 278.5 |
| 37.5° | 349.3 | 337.5 | 328.1 | 318.6 | 311.5 | 306.8 | 302.1 | 297.4 | 295.0 | 287.9 | 283.2 |
| 35° | 380.0 | 354.0 | 339.9 | 328.1 | 318.6 | 311.5 | 306.8 | 299.7 | 297.4 | 292.7 | 285.6 |
| 32.5° | 413.0 | 384.7 | 356.4 | 339.9 | 328.1 | 318.6 | 311.5 | 304.5 | 299.7 | 295.0 | 287.9 |
| 30° | 448.4 | 415.4 | 384.7 | 354.0 | 337.5 | 325.7 | 313.9 | 306.8 | 302.1 | 297.4 | 292.7 |
| 27.5° | 481.5 | 448.4 | 413.0 | 380.0 | 349.3 | 332.8 | 321.0 | 311.5 | 304.5 | 299.7 | 295.0 |
| 25° | 507.4 | 476.7 | 441.3 | 403.6 | 368.2 | 342.2 | 328.1 | 316.3 | 306.8 | 302.1 | 297.4 |
| 22.5° | 531.0 | 502.7 | 467.3 | 427.2 | 387.1 | 351.7 | 335.1 | 321.0 | 311.5 | 304.5 | 297.4 |
| 20° | 568.8 | 523.9 | 493.3 | 450.8 | 408.3 | 370.5 | 342.2 | 325.7 | 313.9 | 306.8 | 299.7 |
| 17.5° | 611.3 | 549.9 | 509.8 | 472.0 | 427.2 | 384.7 | 349.3 | 330.4 | 316.3 | 306.8 | 302.1 |
| 15° | 675.0 | 578.2 | 523.9 | 488.5 | 443.7 | 398.9 | 358.7 | 335.1 | 321.0 | 309.2 | 302.1 |
| 12.5° | 731.6 | 608.9 | 542.8 | 502.7 | 457.9 | 413.0 | 368.2 | 339.9 | 323.3 | 311.5 | 304.5 |
| 10° | 830.8 | 651.4 | 561.7 | 512.1 | 472.0 | 422.5 | 377.6 | 344.6 | 325.7 | 313.9 | 304.5 |
| 7.5° | 908.6 | 686.8 | 575.9 | 521.6 | 481.5 | 431.9 | 384.7 | 346.9 | 328.1 | 313.9 | 306.8 |
| 5° | 967.6 | 710.4 | 587.7 | 526.3 | 488.5 | 439.0 | 389.4 | 349.3 | 330.4 | 316.3 | 306.8 |
| 2.5° | 1003.0 | 731.6 | 597.1 | 531.0 | 493.3 | 443.7 | 394.1 | 351.7 | 330.4 | 316.3 | 306.8 |
| 0° | 1014.8 | 731.6 | 597.1 | 531.0 | 493.3 | 443.7 | 394.1 | 351.7 | 330.4 | 316.3 | 306.8 |



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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° | 14.2 | 11.8 | 11.8 | 11.8 | 9.4 | 9.4 | 7.1 | 7.1 | 7.1 | 4.7 | 4.7 |
| 85° | 28.3 | 26.0 | 23.6 | 21.2 | 18.9 | 18.9 | 16.5 | 14.2 | 11.8 | 9.4 | 7.1 |
| 82.5° | 49.6 | 47.2 | 42.5 | 37.8 | 33.0 | 28.3 | 23.6 | 21.2 | 18.9 | 14.2 | 11.8 |
| 80° | 68.4 | 63.7 | 61.4 | 54.3 | 49.6 | 42.5 | 37.8 | 30.7 | 23.6 | 21.2 | 16.5 |
| 77.5° | 80.2 | 75.5 | 70.8 | 68.4 | 63.7 | 56.6 | 49.6 | 42.5 | 35.4 | 26.0 | 21.2 |
| 75° | 92.0 | 87.3 | 82.6 | 77.9 | 73.2 | 66.1 | 61.4 | 54.3 | 44.8 | 35.4 | 23.6 |
| 72.5° | 106.2 | 99.1 | 94.4 | 87.3 | 80.2 | 75.5 | 68.4 | 63.7 | 54.3 | 42.5 | 30.7 |
| 70° | 120.4 | 113.3 | 103.8 | 96.8 | 89.7 | 82.6 | 75.5 | 68.4 | 61.4 | 49.6 | 37.8 |
| 67.5° | 134.5 | 125.1 | 118.0 | 108.6 | 99.1 | 92.0 | 82.6 | 75.5 | 66.1 | 56.6 | 42.5 |
| 65° | 148.7 | 139.2 | 129.8 | 120.4 | 108.6 | 99.1 | 89.7 | 80.2 | 73.2 | 63.7 | 49.6 |
| 62.5° | 165.2 | 153.4 | 141.6 | 129.8 | 120.4 | 108.6 | 96.8 | 87.3 | 77.9 | 68.4 | 54.3 |
| 60° | 181.7 | 167.6 | 153.4 | 141.6 | 129.8 | 118.0 | 103.8 | 94.4 | 82.6 | 70.8 | 61.4 |
| 57.5° | 195.9 | 181.7 | 167.6 | 153.4 | 139.2 | 125.1 | 113.3 | 99.1 | 87.3 | 75.5 | 63.7 |
| 55° | 212.4 | 195.9 | 181.7 | 165.2 | 148.7 | 134.5 | 120.4 | 106.2 | 92.0 | 80.2 | 68.4 |
| 52.5° | 226.6 | 210.0 | 193.5 | 177.0 | 160.5 | 144.0 | 127.4 | 110.9 | 96.8 | 82.6 | 70.8 |
| 50° | 238.4 | 224.2 | 205.3 | 188.8 | 169.9 | 151.0 | 134.5 | 118.0 | 101.5 | 87.3 | 73.2 |
| 47.5° | 247.8 | 233.6 | 219.5 | 200.6 | 179.4 | 160.5 | 141.6 | 125.1 | 106.2 | 92.0 | 75.5 |
| 45° | 257.3 | 243.1 | 228.9 | 210.0 | 188.8 | 169.9 | 148.7 | 129.8 | 110.9 | 94.4 | 77.9 |
| 42.5° | 264.3 | 252.5 | 238.4 | 221.8 | 198.2 | 177.0 | 155.8 | 134.5 | 115.6 | 99.1 | 80.2 |
| 40° | 271.4 | 259.6 | 245.4 | 228.9 | 207.7 | 186.4 | 162.8 | 141.6 | 120.4 | 101.5 | 85.0 |
| 37.5° | 276.1 | 266.7 | 252.5 | 236.0 | 217.1 | 193.5 | 169.9 | 146.3 | 125.1 | 106.2 | 87.3 |
| 35° | 280.9 | 271.4 | 257.3 | 243.1 | 224.2 | 200.6 | 177.0 | 151.0 | 129.8 | 108.6 | 89.7 |
| 32.5° | 283.2 | 276.1 | 264.3 | 247.8 | 231.3 | 207.7 | 181.7 | 158.1 | 134.5 | 110.9 | 92.0 |
| 30° | 285.6 | 278.5 | 269.1 | 252.5 | 236.0 | 214.8 | 188.8 | 160.5 | 136.9 | 115.6 | 94.4 |
| 27.5° | 287.9 | 280.9 | 271.4 | 257.3 | 240.7 | 219.5 | 193.5 | 165.2 | 141.6 | 118.0 | 94.4 |
| 25° | 290.3 | 283.2 | 276.1 | 262.0 | 245.4 | 224.2 | 198.2 | 169.9 | 144.0 | 120.4 | 96.8 |
| 22.5° | 292.7 | 285.6 | 278.5 | 266.7 | 250.2 | 228.9 | 203.0 | 174.6 | 146.3 | 122.7 | 99.1 |
| 20° | 295.0 | 287.9 | 280.9 | 269.1 | 252.5 | 231.3 | 205.3 | 177.0 | 151.0 | 125.1 | 101.5 |
| 17.5° | 297.4 | 287.9 | 280.9 | 271.4 | 254.9 | 236.0 | 210.0 | 181.7 | 153.4 | 125.1 | 101.5 |
| 15° | 297.4 | 290.3 | 283.2 | 273.8 | 257.3 | 238.4 | 212.4 | 184.1 | 153.4 | 127.4 | 103.8 |
| 12.5° | 297.4 | 292.7 | 283.2 | 273.8 | 259.6 | 240.7 | 214.8 | 186.4 | 155.8 | 129.8 | 103.8 |
| 10° | 299.7 | 292.7 | 283.2 | 276.1 | 262.0 | 243.1 | 217.1 | 188.8 | 158.1 | 129.8 | 103.8 |
| 7.5° | 299.7 | 295.0 | 285.6 | 276.1 | 262.0 | 243.1 | 219.5 | 188.8 | 158.1 | 132.2 | 106.2 |
| 5° | 299.7 | 295.0 | 285.6 | 278.5 | 264.3 | 245.4 | 221.8 | 191.2 | 160.5 | 132.2 | 106.2 |
| 2.5° | 299.7 | 295.0 | 285.6 | 278.5 | 264.3 | 245.4 | 221.8 | 191.2 | 160.5 | 132.2 | 106.2 |
| 0° | 299.7 | 295.0 | 285.6 | 278.5 | 264.3 | 245.4 | 221.8 | 191.2 | 160.5 | 132.2 | 106.2 |



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 CATALOG NUMBER: IFLD-S-SA3D-827-U-22

CANDELA DISTRIBUTION (continued):

| | 82.5° | 85° | 87.5° | 90° |
|-------|-------|------|-------|-----|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 2.4 | 2.4 | 0.0 | 0.0 |
| 85° | 7.1 | 4.7 | 2.4 | 0.0 |
| 82.5° | 9.4 | 7.1 | 2.4 | 0.0 |
| 80° | 11.8 | 7.1 | 4.7 | 0.0 |
| 77.5° | 14.2 | 9.4 | 4.7 | 0.0 |
| 75° | 18.9 | 11.8 | 7.1 | 0.0 |
| 72.5° | 21.2 | 14.2 | 7.1 | 0.0 |
| 70° | 23.6 | 16.5 | 7.1 | 0.0 |
| 67.5° | 28.3 | 18.9 | 9.4 | 0.0 |
| 65° | 33.0 | 18.9 | 9.4 | 0.0 |
| 62.5° | 37.8 | 21.2 | 11.8 | 0.0 |
| 60° | 42.5 | 23.6 | 11.8 | 0.0 |
| 57.5° | 47.2 | 26.0 | 11.8 | 0.0 |
| 55° | 49.6 | 28.3 | 14.2 | 0.0 |
| 52.5° | 54.3 | 30.7 | 14.2 | 0.0 |
| 50° | 59.0 | 35.4 | 14.2 | 0.0 |
| 47.5° | 61.4 | 37.8 | 16.5 | 0.0 |
| 45° | 63.7 | 40.1 | 16.5 | 0.0 |
| 42.5° | 66.1 | 42.5 | 16.5 | 0.0 |
| 40° | 68.4 | 44.8 | 18.9 | 0.0 |
| 37.5° | 68.4 | 44.8 | 18.9 | 0.0 |
| 35° | 70.8 | 47.2 | 18.9 | 0.0 |
| 32.5° | 73.2 | 49.6 | 18.9 | 0.0 |
| 30° | 73.2 | 51.9 | 21.2 | 0.0 |
| 27.5° | 75.5 | 51.9 | 21.2 | 0.0 |
| 25° | 75.5 | 54.3 | 21.2 | 0.0 |
| 22.5° | 77.9 | 56.6 | 21.2 | 0.0 |
| 20° | 77.9 | 56.6 | 21.2 | 0.0 |
| 17.5° | 80.2 | 59.0 | 23.6 | 0.0 |
| 15° | 80.2 | 59.0 | 23.6 | 0.0 |
| 12.5° | 80.2 | 59.0 | 23.6 | 0.0 |
| 10° | 82.6 | 61.4 | 23.6 | 0.0 |
| 7.5° | 82.6 | 61.4 | 23.6 | 0.0 |
| 5° | 82.6 | 61.4 | 23.6 | 0.0 |
| 2.5° | 82.6 | 61.4 | 23.6 | 0.0 |
| 0° | 82.6 | 61.4 | 23.6 | 0.0 |

(END OF REPORT)