

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: P623919

Luminaire Tested: **IFLD-L-SA7B-735-U-77**

Issue Date: 11/2/2022

**Test Information**

Test Method: LM-79-2019  
Report Number: P623919  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 11/2/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7B-735-U-77  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7 distribution lens  
Light Source: (112) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

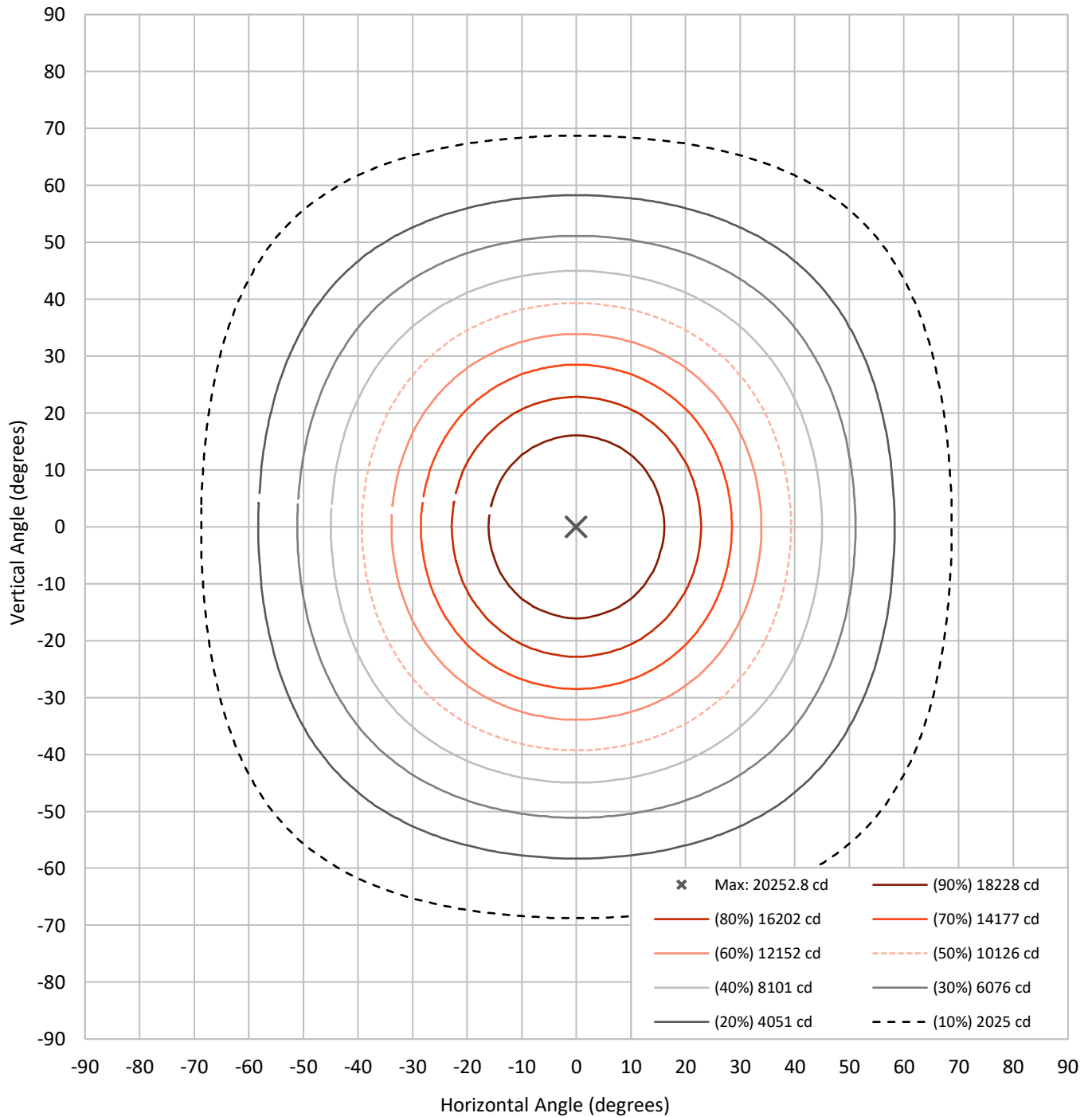
|                   |                                    |                      |                   |
|-------------------|------------------------------------|----------------------|-------------------|
| Lumens per Lamp:  | N/A                                | NEMA Type:           | 7H x 7V           |
| Luminaire Lumens: | 36465.6 lumens                     | Max Intensity:       | 20252.8 candela   |
| Efficiency:       | N/A                                | Max Intensity Angle: | 0°H x 0°V         |
| Efficacy:         | 129.8 lumens/watt                  |                      |                   |
| Luminous Opening: | Rectangular (W 2' x L: 1' x H: 0') |                      |                   |
| Beam Angle (50%): | 78.6°H x 78.6°V                    | Field Angle (10%):   | 137.5°H x 137.5°V |
| Beam Lumens:      | 15778.3 lumens                     | Field Lumens:        | 25836.4 lumens    |
| Beam Efficiency:  | 43.3%                              | Field Efficiency:    | 70.9%             |

Input Watts (W): 281  
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: P623919  
CATALOG NUMBER: IFLD-L-SA7B-735-U-77

### Iso-Candela Plot



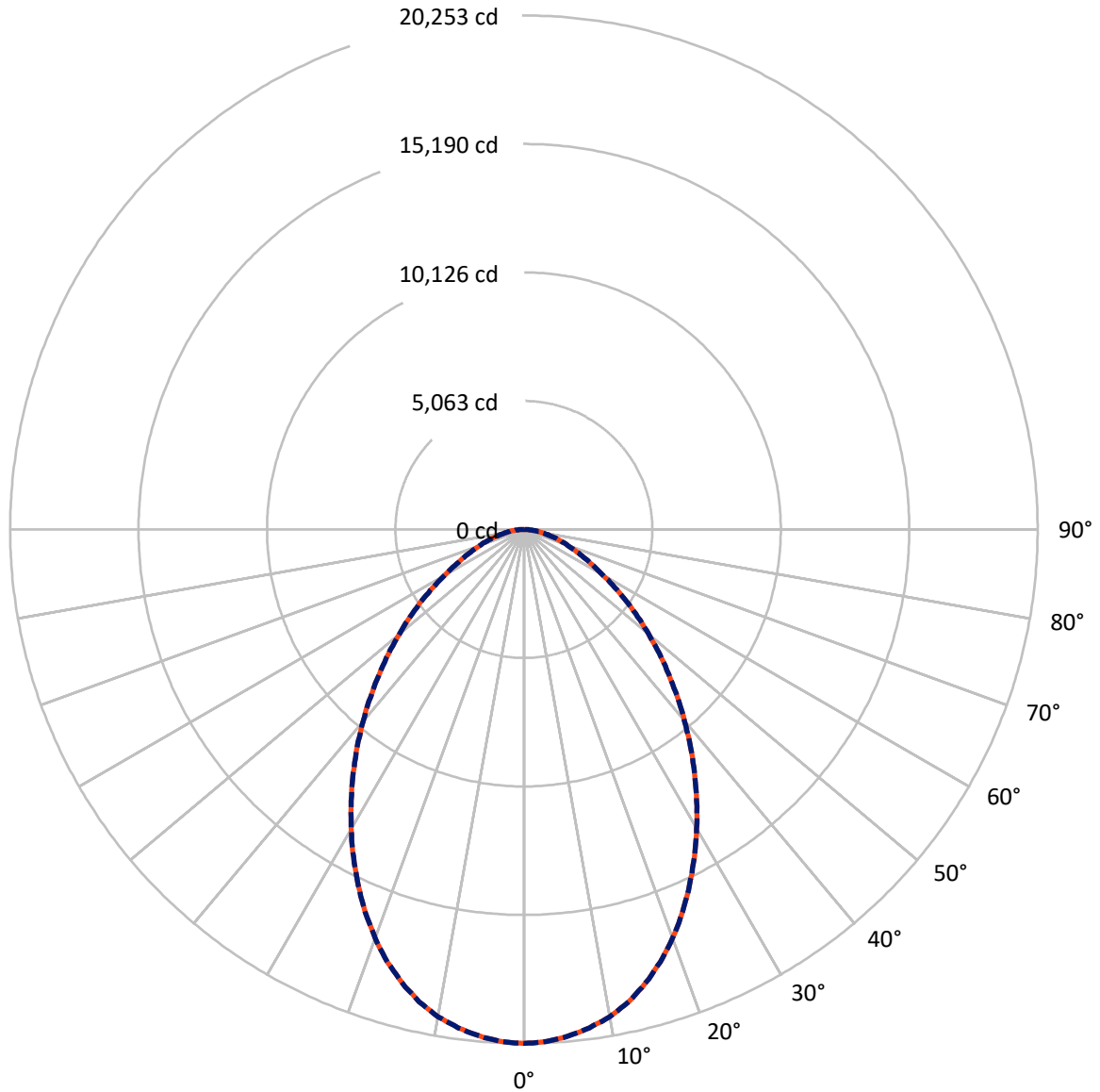
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 CATALOG NUMBER: IFLD-L-SA7B-735-U-77

### Lumen Table

|     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |      |  |     |      |  |  |  |
|-----|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|--|-----|------|--|--|--|
| 90  |      |      |      |       |       |       |       |       |       |       |       |       |       |      |      |  |     |      |  |  |  |
| 80  | 3.1  |      | 21.4 |       | 53.0  |       | 84.0  |       | 96.8  |       | 84.0  |       | 53.0  |      | 21.4 |  | 3.1 |      |  |  |  |
| 70  |      |      |      |       |       |       |       |       |       |       |       |       |       |      |      |  |     |      |  |  |  |
| 60  | 9.7  | 10.0 | 20.1 | 33.0  | 47.4  | 61.5  | 73.1  | 79.5  | 79.5  | 73.1  | 61.5  | 47.4  | 33.0  | 20.1 | 10.0 |  |     | 9.7  |  |  |  |
| 50  |      | 14.9 | 30.9 | 52.7  | 80.2  | 109.6 | 134.5 | 148.7 | 148.7 | 134.5 | 109.6 | 80.2  | 52.7  | 30.9 | 14.9 |  |     |      |  |  |  |
| 40  | 16.2 | 20.0 | 42.9 | 78.7  | 126.1 | 176.1 | 218.3 | 242.6 | 242.6 | 218.3 | 176.1 | 126.1 | 78.7  | 42.9 | 20.0 |  |     | 16.2 |  |  |  |
| 30  |      | 24.8 | 56.6 | 109.2 | 177.7 | 251.0 | 314.0 | 350.9 | 350.9 | 314.0 | 251.0 | 177.7 | 109.2 | 56.6 | 24.8 |  |     |      |  |  |  |
| 20  | 21.2 | 29.2 | 70.0 | 138.0 | 227.3 | 324.9 | 410.3 | 460.8 | 460.8 | 410.3 | 324.9 | 227.3 | 138.0 | 70.0 | 29.2 |  |     | 21.2 |  |  |  |
| 10  |      | 32.6 | 80.7 | 160.7 | 267.0 | 385.4 | 490.2 | 550.8 | 550.8 | 490.2 | 385.4 | 267.0 | 160.7 | 80.7 | 32.6 |  |     |      |  |  |  |
| 0   | 23.1 | 34.4 | 86.5 | 173.2 | 289.4 | 419.8 | 534.3 | 597.6 | 597.6 | 534.3 | 419.8 | 289.4 | 173.2 | 86.5 | 34.4 |  |     | 23.1 |  |  |  |
| -10 |      | 34.4 | 86.5 | 173.2 | 289.4 | 419.8 | 534.3 | 597.6 | 597.6 | 534.3 | 419.8 | 289.4 | 173.2 | 86.5 | 34.4 |  |     |      |  |  |  |
| -20 | 21.2 | 32.6 | 80.7 | 160.7 | 267.0 | 385.4 | 490.2 | 550.8 | 550.8 | 490.2 | 385.4 | 267.0 | 160.7 | 80.7 | 32.6 |  |     | 21.2 |  |  |  |
| -30 |      | 29.2 | 70.0 | 138.0 | 227.3 | 324.9 | 410.3 | 460.8 | 460.8 | 410.3 | 324.9 | 227.3 | 138.0 | 70.0 | 29.2 |  |     |      |  |  |  |
| -40 | 16.2 | 24.8 | 56.6 | 109.2 | 177.7 | 251.0 | 314.0 | 350.9 | 350.9 | 314.0 | 251.0 | 177.7 | 109.2 | 56.6 | 24.8 |  |     | 16.2 |  |  |  |
| -50 |      | 20.0 | 42.9 | 78.7  | 126.1 | 176.1 | 218.3 | 242.6 | 242.6 | 218.3 | 176.1 | 126.1 | 78.7  | 42.9 | 20.0 |  |     |      |  |  |  |
| -60 | 9.7  | 14.9 | 30.9 | 52.7  | 80.2  | 109.6 | 134.5 | 148.7 | 148.7 | 134.5 | 109.6 | 80.2  | 52.7  | 30.9 | 14.9 |  |     | 9.7  |  |  |  |
| -70 |      | 10.0 | 20.1 | 33.0  | 47.4  | 61.5  | 73.1  | 79.5  | 79.5  | 73.1  | 61.5  | 47.4  | 33.0  | 20.1 | 10.0 |  |     |      |  |  |  |
| -80 |      |      |      |       |       |       |       |       |       |       |       |       |       |      |      |  |     |      |  |  |  |
| -90 | 3.1  |      | 21.4 |       | 53.0  |       | 84.0  |       | 96.8  |       | 84.0  |       | 53.0  |      | 21.4 |  | 3.1 |      |  |  |  |

REPORT NUMBER: P623919  
CATALOG NUMBER: IFLD-L-SA7B-735-U-77

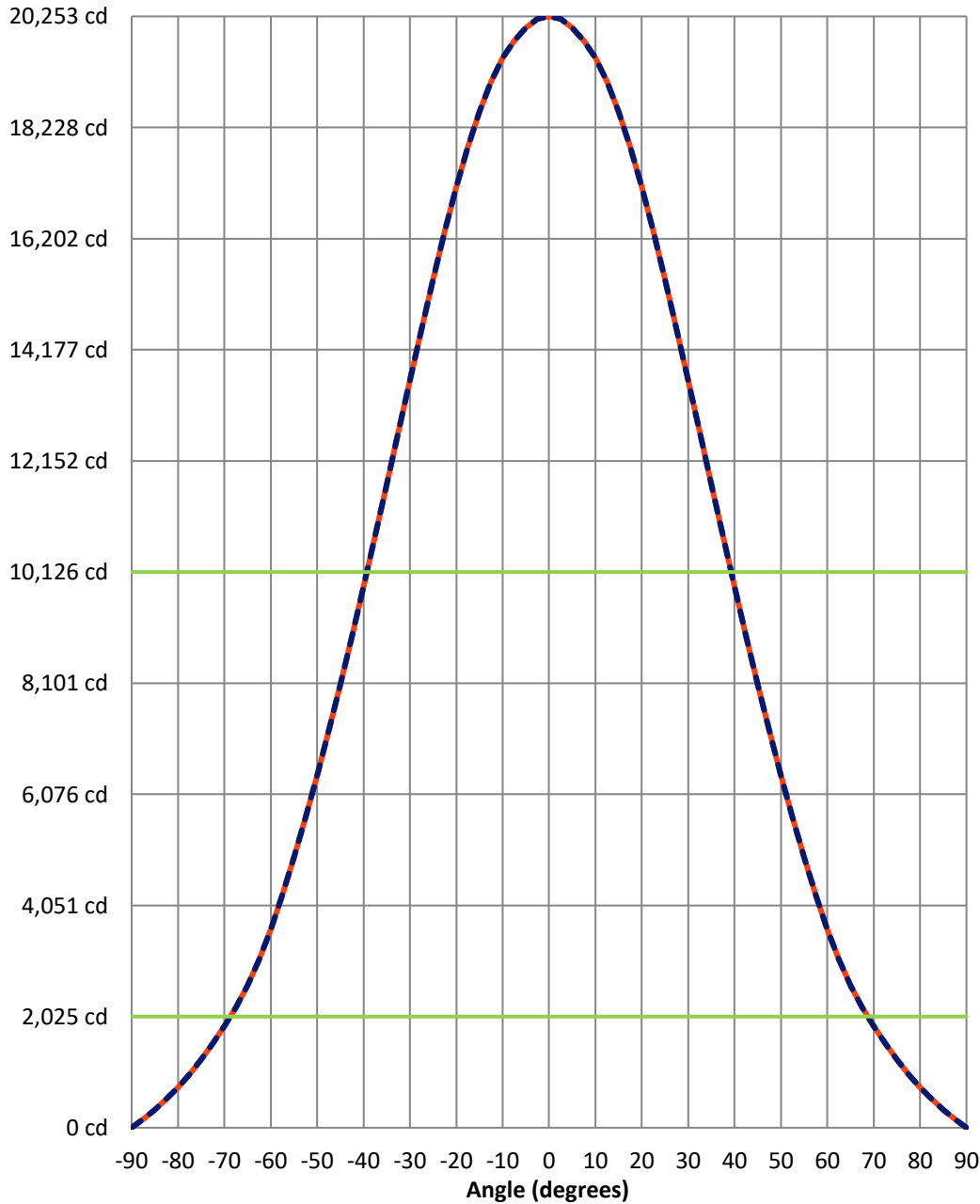
### Luminous Intensity Polar Plot



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

REPORT NUMBER: P623919  
CATALOG NUMBER: IFLD-L-SA7B-735-U-77

### Luminous Intensity Plot



**Beam:**  
H Angle: 78.6°  
V Angle: 78.6°  
Lumens: 15778.3  
Efficiency: 43.3%

**Field:**  
H Angle: 137.5°  
V Angle: 137.5°  
Lumens: 25836.4  
Efficiency: 70.9%

**Spill:**  
Lumens: 10629.2  
Efficiency: 29.1%

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



REPORT NUMBER: P623919  
 CATALOG NUMBER: IFLD-L-SA7B-735-U-77

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° | 155.9   | 155.9   | 155.9   | 155.9   | 155.9   | 155.9   | 155.9   | 148.3   | 148.3   | 144.5   | 140.7   |
| 85°   | 327.0   | 327.0   | 327.0   | 327.0   | 327.0   | 319.4   | 315.6   | 311.8   | 308.0   | 300.4   | 296.5   |
| 82.5° | 524.7   | 524.7   | 524.7   | 524.7   | 517.1   | 509.5   | 505.7   | 498.1   | 490.4   | 479.0   | 467.6   |
| 80°   | 733.8   | 733.8   | 733.8   | 733.8   | 722.4   | 714.8   | 703.4   | 695.7   | 684.3   | 669.1   | 653.9   |
| 77.5° | 973.3   | 973.3   | 973.3   | 961.9   | 954.3   | 942.9   | 931.5   | 916.3   | 901.1   | 882.0   | 859.2   |
| 75°   | 1243.2  | 1243.2  | 1243.2  | 1228.0  | 1216.6  | 1205.2  | 1186.2  | 1167.2  | 1144.4  | 1117.8  | 1087.3  |
| 72.5° | 1536.0  | 1536.0  | 1536.0  | 1517.0  | 1505.6  | 1486.5  | 1463.7  | 1437.1  | 1410.5  | 1376.3  | 1338.3  |
| 70°   | 1851.5  | 1851.5  | 1851.5  | 1828.7  | 1809.7  | 1790.7  | 1760.3  | 1729.9  | 1691.9  | 1653.8  | 1608.2  |
| 67.5° | 2193.7  | 2193.7  | 2193.7  | 2167.1  | 2144.3  | 2117.7  | 2083.4  | 2045.4  | 1999.8  | 1946.6  | 1893.4  |
| 65°   | 2592.9  | 2592.9  | 2577.7  | 2554.9  | 2528.3  | 2490.3  | 2448.4  | 2395.2  | 2338.2  | 2269.7  | 2197.5  |
| 62.5° | 3064.3  | 3064.3  | 3041.5  | 3014.9  | 2980.7  | 2931.3  | 2874.2  | 2805.8  | 2726.0  | 2638.5  | 2551.1  |
| 60°   | 3611.8  | 3611.8  | 3585.2  | 3551.0  | 3501.6  | 3440.7  | 3364.7  | 3277.2  | 3178.4  | 3068.1  | 2961.7  |
| 57.5° | 4242.9  | 4242.9  | 4208.7  | 4163.1  | 4102.3  | 4026.2  | 3931.2  | 3820.9  | 3695.5  | 3558.6  | 3425.5  |
| 55°   | 4927.3  | 4927.3  | 4885.5  | 4832.2  | 4760.0  | 4668.7  | 4554.7  | 4425.4  | 4273.3  | 4117.5  | 3946.4  |
| 52.5° | 5653.4  | 5653.4  | 5604.0  | 5543.2  | 5459.5  | 5353.1  | 5223.8  | 5071.8  | 4896.9  | 4714.4  | 4512.9  |
| 50°   | 6417.6  | 6417.6  | 6360.6  | 6292.2  | 6197.1  | 6071.7  | 5923.4  | 5748.5  | 5554.6  | 5341.7  | 5109.8  |
| 47.5° | 7235.0  | 7235.0  | 7170.4  | 7090.6  | 6976.5  | 6832.0  | 6657.1  | 6455.6  | 6235.1  | 5995.6  | 5733.3  |
| 45°   | 8075.3  | 8075.3  | 8003.0  | 7911.8  | 7786.3  | 7622.8  | 7428.9  | 7235.0  | 6953.7  | 6676.2  | 6372.0  |
| 42.5° | 8949.7  | 8949.7  | 8866.1  | 8763.4  | 8618.9  | 8440.2  | 8219.7  | 7968.8  | 7691.3  | 7379.5  | 7048.7  |
| 40°   | 9858.4  | 9858.4  | 9763.3  | 9645.5  | 9485.8  | 9280.5  | 9033.3  | 8752.0  | 8440.2  | 8094.3  | 7729.3  |
| 37.5° | 10786.0 | 10786.0 | 10679.6 | 10550.3 | 10371.6 | 10143.5 | 9866.0  | 9554.2  | 9204.4  | 8820.4  | 8417.4  |
| 35°   | 11721.3 | 11721.3 | 11603.4 | 11462.8 | 11265.1 | 11014.1 | 10713.8 | 10367.8 | 9980.0  | 9561.8  | 9109.4  |
| 32.5° | 12675.6 | 12675.6 | 12546.3 | 12386.6 | 12162.3 | 11884.8 | 11554.0 | 11177.6 | 10786.0 | 10299.4 | 9805.1  |
| 30°   | 13618.4 | 13618.4 | 13477.8 | 13302.9 | 13063.4 | 12759.2 | 12398.0 | 11983.6 | 11523.6 | 11025.5 | 10493.3 |
| 27.5° | 14546.1 | 14508.1 | 14390.2 | 14203.9 | 13941.6 | 13618.4 | 13226.9 | 12778.2 | 12280.2 | 11732.7 | 11162.4 |
| 25°   | 15458.6 | 15416.8 | 15287.5 | 15082.2 | 14800.8 | 14447.3 | 14025.3 | 13546.2 | 13010.1 | 12432.3 | 11808.7 |
| 22.5° | 16333.0 | 16287.4 | 16150.5 | 15930.0 | 15629.7 | 15245.7 | 14793.2 | 14280.0 | 13709.7 | 13090.0 | 12432.3 |
| 20°   | 17142.8 | 17093.4 | 16952.7 | 16720.8 | 16409.1 | 16002.2 | 15523.2 | 14971.9 | 14363.6 | 13709.7 | 13010.1 |
| 17.5° | 17872.8 | 17823.4 | 17675.1 | 17435.6 | 17142.8 | 16690.4 | 16196.1 | 15614.5 | 14971.9 | 14280.0 | 13546.2 |
| 15°   | 18515.3 | 18462.1 | 18310.0 | 18070.5 | 17735.9 | 17310.1 | 16789.2 | 16196.1 | 15523.2 | 14793.2 | 14025.3 |
| 12.5° | 19062.8 | 19009.6 | 18853.7 | 18614.2 | 18268.2 | 17842.4 | 17310.1 | 16690.4 | 16002.2 | 15245.7 | 14447.3 |
| 10°   | 19496.2 | 19443.0 | 19294.7 | 19066.6 | 18709.2 | 18268.2 | 17735.9 | 17142.8 | 16409.1 | 15629.7 | 14800.8 |
| 7.5°  | 19808.0 | 19758.5 | 19621.7 | 19393.6 | 19066.6 | 18614.2 | 18070.5 | 17435.6 | 16720.8 | 15930.0 | 15082.2 |
| 5°    | 20043.7 | 19986.7 | 19849.8 | 19621.7 | 19294.7 | 18853.7 | 18310.0 | 17675.1 | 16952.7 | 16150.5 | 15287.5 |
| 2.5°  | 20207.2 | 20138.7 | 19986.7 | 19758.5 | 19443.0 | 19009.6 | 18462.1 | 17823.4 | 17093.4 | 16287.4 | 15416.8 |
| 0°    | 20252.8 | 20207.2 | 20043.7 | 19808.0 | 19496.2 | 19062.8 | 18515.3 | 17872.8 | 17142.8 | 16333.0 | 15458.6 |



REPORT NUMBER: P623919  
 CATALOG NUMBER: IFLD-L-SA7B-735-U-77

**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° | 136.9   | 136.9   | 133.1   | 129.3   | 125.5   | 117.9  | 114.1  | 110.3  | 106.5  | 98.8   | 95.0   |
| 85°   | 288.9   | 281.3   | 273.7   | 266.1   | 254.7   | 247.1  | 235.7  | 228.1  | 216.7  | 205.3  | 193.9  |
| 82.5° | 456.2   | 444.8   | 429.6   | 418.2   | 403.0   | 384.0  | 368.8  | 349.8  | 330.8  | 315.6  | 296.5  |
| 80°   | 638.7   | 619.7   | 600.7   | 581.7   | 558.9   | 536.1  | 513.3  | 490.4  | 463.8  | 437.2  | 410.6  |
| 77.5° | 836.4   | 809.8   | 783.2   | 752.8   | 726.2   | 695.7  | 665.3  | 634.9  | 600.7  | 566.5  | 532.3  |
| 75°   | 1056.9  | 1022.7  | 984.7   | 946.7   | 912.5   | 870.6  | 828.8  | 787.0  | 741.4  | 699.6  | 653.9  |
| 72.5° | 1296.5  | 1254.6  | 1209.0  | 1163.4  | 1114.0  | 1060.7 | 1007.5 | 950.5  | 897.3  | 844.0  | 787.0  |
| 70°   | 1555.0  | 1505.6  | 1448.5  | 1391.5  | 1330.7  | 1266.0 | 1201.4 | 1133.0 | 1064.5 | 996.1  | 927.7  |
| 67.5° | 1832.5  | 1771.7  | 1703.3  | 1634.8  | 1558.8  | 1482.7 | 1406.7 | 1326.9 | 1243.2 | 1159.6 | 1079.7 |
| 65°   | 2129.1  | 2053.0  | 1973.2  | 1885.7  | 1798.3  | 1710.9 | 1619.6 | 1524.6 | 1429.5 | 1330.7 | 1243.2 |
| 62.5° | 2459.8  | 2364.8  | 2262.1  | 2155.7  | 2056.8  | 1950.4 | 1851.5 | 1733.7 | 1619.6 | 1509.4 | 1399.1 |
| 60°   | 2843.8  | 2718.4  | 2592.9  | 2459.8  | 2334.4  | 2197.5 | 2075.8 | 1946.6 | 1817.3 | 1691.9 | 1562.6 |
| 57.5° | 3273.4  | 3113.8  | 2961.7  | 2802.0  | 2634.7  | 2482.6 | 2326.8 | 2170.9 | 2026.4 | 1878.1 | 1737.5 |
| 55°   | 3760.1  | 3566.2  | 3376.1  | 3178.4  | 2984.5  | 2794.4 | 2596.7 | 2421.8 | 2243.1 | 2075.8 | 1912.4 |
| 52.5° | 4292.4  | 4071.8  | 3836.1  | 3611.8  | 3364.7  | 3129.0 | 2908.5 | 2688.0 | 2478.8 | 2277.3 | 2091.1 |
| 50°   | 4862.6  | 4604.1  | 4334.2  | 4060.4  | 3779.1  | 3501.6 | 3235.4 | 2976.9 | 2733.6 | 2497.9 | 2277.3 |
| 47.5° | 5455.7  | 5163.0  | 4855.0  | 4543.3  | 4242.9  | 3904.6 | 3585.2 | 3292.5 | 2999.7 | 2733.6 | 2478.8 |
| 45°   | 6064.0  | 5733.3  | 5394.9  | 5041.3  | 4687.8  | 4322.8 | 3969.2 | 3611.8 | 3292.5 | 2976.9 | 2688.0 |
| 42.5° | 6691.4  | 6318.8  | 5942.4  | 5550.8  | 5159.2  | 4760.0 | 4360.8 | 3969.2 | 3585.2 | 3235.4 | 2908.5 |
| 40°   | 7337.7  | 6927.1  | 6497.5  | 6071.7  | 5653.4  | 5197.2 | 4760.0 | 4322.8 | 3904.6 | 3501.6 | 3129.0 |
| 37.5° | 7984.0  | 7535.4  | 7071.6  | 6592.5  | 6113.5  | 5653.4 | 5159.2 | 4687.8 | 4242.9 | 3779.1 | 3364.7 |
| 35°   | 8634.1  | 8139.9  | 7638.0  | 7117.2  | 6592.5  | 6071.7 | 5550.8 | 5041.3 | 4543.3 | 4060.4 | 3611.8 |
| 32.5° | 9288.1  | 8748.2  | 8193.1  | 7638.0  | 7071.6  | 6497.5 | 5942.4 | 5394.9 | 4855.0 | 4334.2 | 3836.1 |
| 30°   | 9930.6  | 9345.1  | 8748.2  | 8139.9  | 7535.4  | 6927.1 | 6318.8 | 5733.3 | 5163.0 | 4604.1 | 4071.8 |
| 27.5° | 10557.9 | 9930.6  | 9288.1  | 8634.1  | 7984.0  | 7337.7 | 6691.4 | 6064.0 | 5455.7 | 4862.6 | 4292.4 |
| 25°   | 11162.4 | 10493.3 | 9805.1  | 9109.4  | 8417.4  | 7729.3 | 7048.7 | 6372.0 | 5733.3 | 5109.8 | 4512.9 |
| 22.5° | 11732.7 | 11025.5 | 10299.4 | 9561.8  | 8820.4  | 8094.3 | 7379.5 | 6676.2 | 5995.6 | 5341.7 | 4714.4 |
| 20°   | 12280.2 | 11523.6 | 10786.0 | 9980.0  | 9204.4  | 8440.2 | 7691.3 | 6953.7 | 6235.1 | 5554.6 | 4896.9 |
| 17.5° | 12778.2 | 11983.6 | 11177.6 | 10367.8 | 9554.2  | 8752.0 | 7968.8 | 7235.0 | 6455.6 | 5748.5 | 5071.8 |
| 15°   | 13226.9 | 12398.0 | 11554.0 | 10713.8 | 9866.0  | 9033.3 | 8219.7 | 7428.9 | 6657.1 | 5923.4 | 5223.8 |
| 12.5° | 13618.4 | 12759.2 | 11884.8 | 11014.1 | 10143.5 | 9280.5 | 8440.2 | 7622.8 | 6832.0 | 6071.7 | 5353.1 |
| 10°   | 13941.6 | 13063.4 | 12162.3 | 11265.1 | 10371.6 | 9485.8 | 8618.9 | 7786.3 | 6976.5 | 6197.1 | 5459.5 |
| 7.5°  | 14203.9 | 13302.9 | 12386.6 | 11462.8 | 10550.3 | 9645.5 | 8763.4 | 7911.8 | 7090.6 | 6292.2 | 5543.2 |
| 5°    | 14390.2 | 13477.8 | 12546.3 | 11603.4 | 10679.6 | 9763.3 | 8866.1 | 8003.0 | 7170.4 | 6360.6 | 5604.0 |
| 2.5°  | 14508.1 | 13618.4 | 12675.6 | 11721.3 | 10786.0 | 9858.4 | 8949.7 | 8075.3 | 7235.0 | 6417.6 | 5653.4 |
| 0°    | 14546.1 | 13618.4 | 12675.6 | 11721.3 | 10786.0 | 9858.4 | 8949.7 | 8075.3 | 7235.0 | 6417.6 | 5653.4 |





REPORT NUMBER: P623919  
 CATALOG NUMBER: IFLD-L-SA7B-735-U-77

**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° | 91.2   | 83.6   | 76.0   | 72.2   | 64.6   | 60.8   | 53.2   | 45.6   | 41.8   | 34.2  | 26.6  |
| 85°   | 182.5  | 167.3  | 155.9  | 144.5  | 133.1  | 117.9  | 106.5  | 95.0   | 79.8   | 68.4  | 53.2  |
| 82.5° | 277.5  | 258.5  | 239.5  | 220.5  | 201.5  | 182.5  | 159.7  | 140.7  | 121.7  | 102.7 | 79.8  |
| 80°   | 384.0  | 353.6  | 327.0  | 300.4  | 273.7  | 247.1  | 216.7  | 190.1  | 159.7  | 133.1 | 106.5 |
| 77.5° | 494.2  | 460.0  | 422.0  | 384.0  | 346.0  | 311.8  | 273.7  | 239.5  | 205.3  | 167.3 | 133.1 |
| 75°   | 612.1  | 566.5  | 524.7  | 475.2  | 429.6  | 380.2  | 334.6  | 288.9  | 247.1  | 205.3 | 159.7 |
| 72.5° | 733.8  | 676.7  | 619.7  | 566.5  | 509.5  | 452.4  | 399.2  | 342.2  | 288.9  | 239.5 | 190.1 |
| 70°   | 859.2  | 790.8  | 722.4  | 657.7  | 593.1  | 524.7  | 463.8  | 399.2  | 334.6  | 273.7 | 216.7 |
| 67.5° | 992.3  | 912.5  | 832.6  | 749.0  | 676.7  | 600.7  | 524.7  | 452.4  | 380.2  | 311.8 | 247.1 |
| 65°   | 1136.8 | 1041.7 | 942.9  | 855.4  | 760.4  | 676.7  | 593.1  | 509.5  | 429.6  | 346.0 | 273.7 |
| 62.5° | 1285.0 | 1174.8 | 1064.5 | 954.3  | 855.4  | 749.0  | 657.7  | 566.5  | 475.2  | 384.0 | 300.4 |
| 60°   | 1437.1 | 1311.7 | 1186.2 | 1064.5 | 942.9  | 832.6  | 722.4  | 619.7  | 524.7  | 422.0 | 327.0 |
| 57.5° | 1593.0 | 1452.3 | 1311.7 | 1174.8 | 1041.7 | 912.5  | 790.8  | 676.7  | 566.5  | 460.0 | 353.6 |
| 55°   | 1752.7 | 1593.0 | 1437.1 | 1285.0 | 1136.8 | 992.3  | 859.2  | 733.8  | 612.1  | 494.2 | 384.0 |
| 52.5° | 1912.4 | 1737.5 | 1562.6 | 1399.1 | 1243.2 | 1079.7 | 927.7  | 787.0  | 653.9  | 532.3 | 410.6 |
| 50°   | 2075.8 | 1878.1 | 1691.9 | 1509.4 | 1330.7 | 1159.6 | 996.1  | 844.0  | 699.6  | 566.5 | 437.2 |
| 47.5° | 2243.1 | 2026.4 | 1817.3 | 1619.6 | 1429.5 | 1243.2 | 1064.5 | 897.3  | 741.4  | 600.7 | 463.8 |
| 45°   | 2421.8 | 2170.9 | 1946.6 | 1733.7 | 1524.6 | 1326.9 | 1133.0 | 950.5  | 787.0  | 634.9 | 490.4 |
| 42.5° | 2596.7 | 2326.8 | 2075.8 | 1851.5 | 1619.6 | 1406.7 | 1201.4 | 1007.5 | 828.8  | 665.3 | 513.3 |
| 40°   | 2794.4 | 2482.6 | 2197.5 | 1950.4 | 1710.9 | 1482.7 | 1266.0 | 1060.7 | 870.6  | 695.7 | 536.1 |
| 37.5° | 2984.5 | 2634.7 | 2334.4 | 2056.8 | 1798.3 | 1558.8 | 1330.7 | 1114.0 | 912.5  | 726.2 | 558.9 |
| 35°   | 3178.4 | 2802.0 | 2459.8 | 2155.7 | 1885.7 | 1634.8 | 1391.5 | 1163.4 | 946.7  | 752.8 | 581.7 |
| 32.5° | 3376.1 | 2961.7 | 2592.9 | 2262.1 | 1973.2 | 1703.3 | 1448.5 | 1209.0 | 984.7  | 783.2 | 600.7 |
| 30°   | 3566.2 | 3113.8 | 2718.4 | 2364.8 | 2053.0 | 1771.7 | 1505.6 | 1254.6 | 1022.7 | 809.8 | 619.7 |
| 27.5° | 3760.1 | 3273.4 | 2843.8 | 2459.8 | 2129.1 | 1832.5 | 1555.0 | 1296.5 | 1056.9 | 836.4 | 638.7 |
| 25°   | 3946.4 | 3425.5 | 2961.7 | 2551.1 | 2197.5 | 1893.4 | 1608.2 | 1338.3 | 1087.3 | 859.2 | 653.9 |
| 22.5° | 4117.5 | 3558.6 | 3068.1 | 2638.5 | 2269.7 | 1946.6 | 1653.8 | 1376.3 | 1117.8 | 882.0 | 669.1 |
| 20°   | 4273.3 | 3695.5 | 3178.4 | 2726.0 | 2338.2 | 1999.8 | 1691.9 | 1410.5 | 1144.4 | 901.1 | 684.3 |
| 17.5° | 4425.4 | 3820.9 | 3277.2 | 2805.8 | 2395.2 | 2045.4 | 1729.9 | 1437.1 | 1167.2 | 916.3 | 695.7 |
| 15°   | 4554.7 | 3931.2 | 3364.7 | 2874.2 | 2448.4 | 2083.4 | 1760.3 | 1463.7 | 1186.2 | 931.5 | 703.4 |
| 12.5° | 4668.7 | 4026.2 | 3440.7 | 2931.3 | 2490.3 | 2117.7 | 1790.7 | 1486.5 | 1205.2 | 942.9 | 714.8 |
| 10°   | 4760.0 | 4102.3 | 3501.6 | 2980.7 | 2528.3 | 2144.3 | 1809.7 | 1505.6 | 1216.6 | 954.3 | 722.4 |
| 7.5°  | 4832.2 | 4163.1 | 3551.0 | 3014.9 | 2554.9 | 2167.1 | 1828.7 | 1517.0 | 1228.0 | 961.9 | 733.8 |
| 5°    | 4885.5 | 4208.7 | 3585.2 | 3041.5 | 2577.7 | 2193.7 | 1851.5 | 1536.0 | 1243.2 | 973.3 | 733.8 |
| 2.5°  | 4927.3 | 4242.9 | 3611.8 | 3064.3 | 2592.9 | 2193.7 | 1851.5 | 1536.0 | 1243.2 | 973.3 | 733.8 |
| 0°    | 4927.3 | 4242.9 | 3611.8 | 3064.3 | 2592.9 | 2193.7 | 1851.5 | 1536.0 | 1243.2 | 973.3 | 733.8 |



REPORT NUMBER: P623919  
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**CANDELA DISTRIBUTION (continued):**

|       | 82.5° | 85°   | 87.5° | 90° |
|-------|-------|-------|-------|-----|
| 90°   | 0.0   | 0.0   | 0.0   | 0.0 |
| 87.5° | 19.0  | 15.2  | 7.6   | 0.0 |
| 85°   | 41.8  | 26.6  | 15.2  | 0.0 |
| 82.5° | 60.8  | 41.8  | 19.0  | 0.0 |
| 80°   | 79.8  | 53.2  | 26.6  | 0.0 |
| 77.5° | 102.7 | 68.4  | 34.2  | 0.0 |
| 75°   | 121.7 | 79.8  | 41.8  | 0.0 |
| 72.5° | 140.7 | 95.0  | 45.6  | 0.0 |
| 70°   | 159.7 | 106.5 | 53.2  | 0.0 |
| 67.5° | 182.5 | 117.9 | 60.8  | 0.0 |
| 65°   | 201.5 | 133.1 | 64.6  | 0.0 |
| 62.5° | 220.5 | 144.5 | 72.2  | 0.0 |
| 60°   | 239.5 | 155.9 | 76.0  | 0.0 |
| 57.5° | 258.5 | 167.3 | 83.6  | 0.0 |
| 55°   | 277.5 | 182.5 | 91.2  | 0.0 |
| 52.5° | 296.5 | 193.9 | 95.0  | 0.0 |
| 50°   | 315.6 | 205.3 | 98.8  | 0.0 |
| 47.5° | 330.8 | 216.7 | 106.5 | 0.0 |
| 45°   | 349.8 | 228.1 | 110.3 | 0.0 |
| 42.5° | 368.8 | 235.7 | 114.1 | 0.0 |
| 40°   | 384.0 | 247.1 | 117.9 | 0.0 |
| 37.5° | 403.0 | 254.7 | 125.5 | 0.0 |
| 35°   | 418.2 | 266.1 | 129.3 | 0.0 |
| 32.5° | 429.6 | 273.7 | 133.1 | 0.0 |
| 30°   | 444.8 | 281.3 | 136.9 | 0.0 |
| 27.5° | 456.2 | 288.9 | 136.9 | 0.0 |
| 25°   | 467.6 | 296.5 | 140.7 | 0.0 |
| 22.5° | 479.0 | 300.4 | 144.5 | 0.0 |
| 20°   | 490.4 | 308.0 | 148.3 | 0.0 |
| 17.5° | 498.1 | 311.8 | 148.3 | 0.0 |
| 15°   | 505.7 | 315.6 | 155.9 | 0.0 |
| 12.5° | 509.5 | 319.4 | 155.9 | 0.0 |
| 10°   | 517.1 | 327.0 | 155.9 | 0.0 |
| 7.5°  | 524.7 | 327.0 | 155.9 | 0.0 |
| 5°    | 524.7 | 327.0 | 155.9 | 0.0 |
| 2.5°  | 524.7 | 327.0 | 155.9 | 0.0 |
| 0°    | 524.7 | 327.0 | 155.9 | 0.0 |

(END OF REPORT)