

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: STREETWORKS

Report Number: P507818

Luminaire Tested: **UFLD-L-CA4-250-760-U-66**

Issue Date: 3/30/2021

### Test Information

Test Method: LM-79-08  
Report Number: P507818  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-110-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 3/30/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: UFLD-L-CA4-250-760-U-66  
Description: UTILITY FLOOD LARGE, 6x6 OPTIC  
Light Source: (4) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

### Summary

|                   |                                          |                      |                   |
|-------------------|------------------------------------------|----------------------|-------------------|
| Lumens per Lamp:  | N/A                                      | NEMA Type:           | 6H x 6V           |
| Luminaire Lumens: | 38455 lumens                             | Max Intensity:       | 20522.4 candela   |
| Efficiency:       | N/A                                      | Max Intensity Angle: | 3°H x 29°V        |
| Efficacy:         | 153.0 lumens/watt                        |                      |                   |
| Luminous Opening: | Rectangular (W 1.33' x L: 1.42' x H: 0') |                      |                   |
| Beam Angle (50%): | 102.9°H x 79.4°V                         | Field Angle (10%):   | 126.5°H x 112.9°V |
| Beam Lumens:      | 28572.1 lumens                           | Field Lumens:        | 37162.3 lumens    |
| Beam Efficiency:  | 74.3%                                    | Field Efficiency:    | 96.6%             |

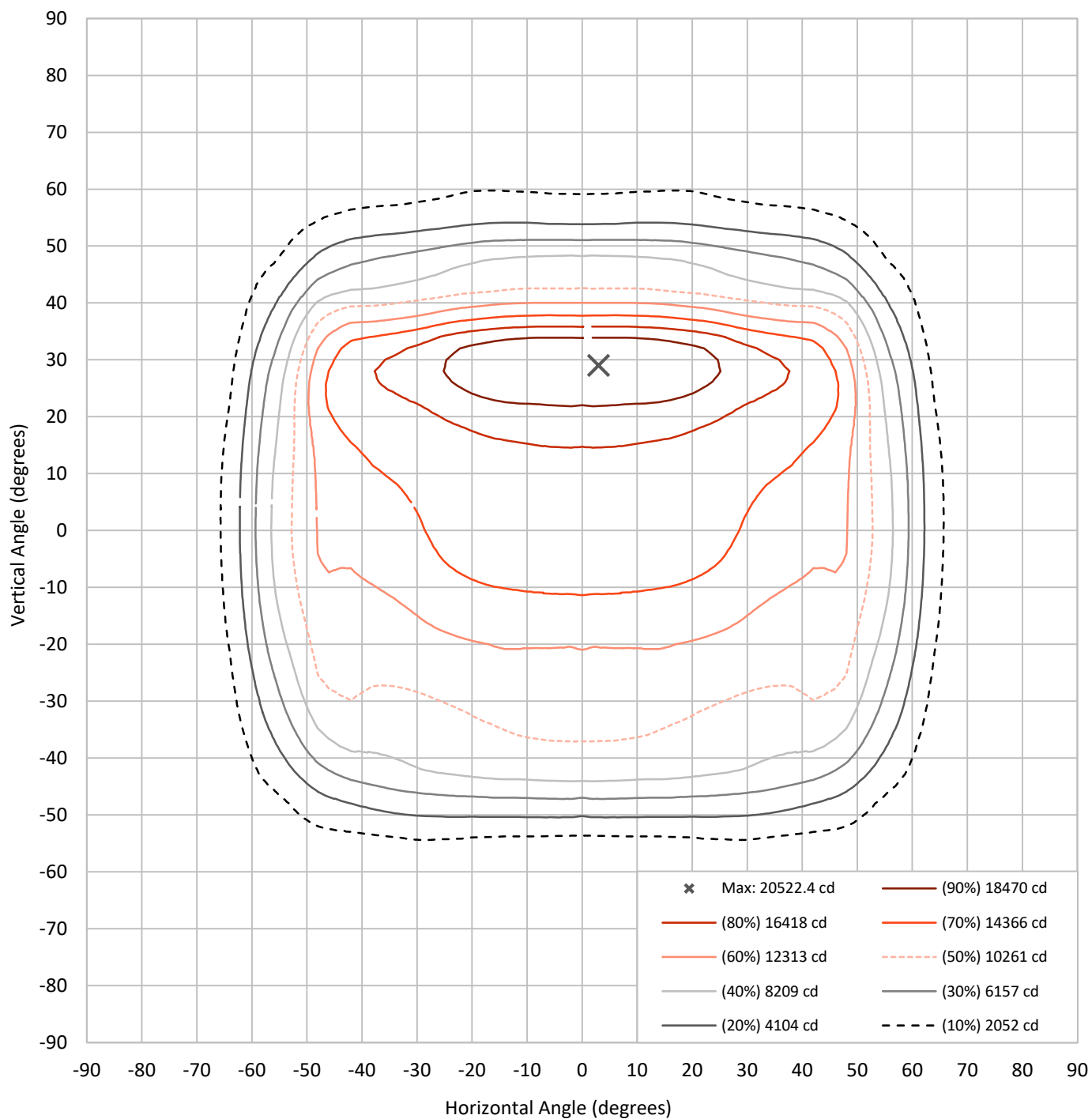
Input Watts (W): 251.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Candela Plot

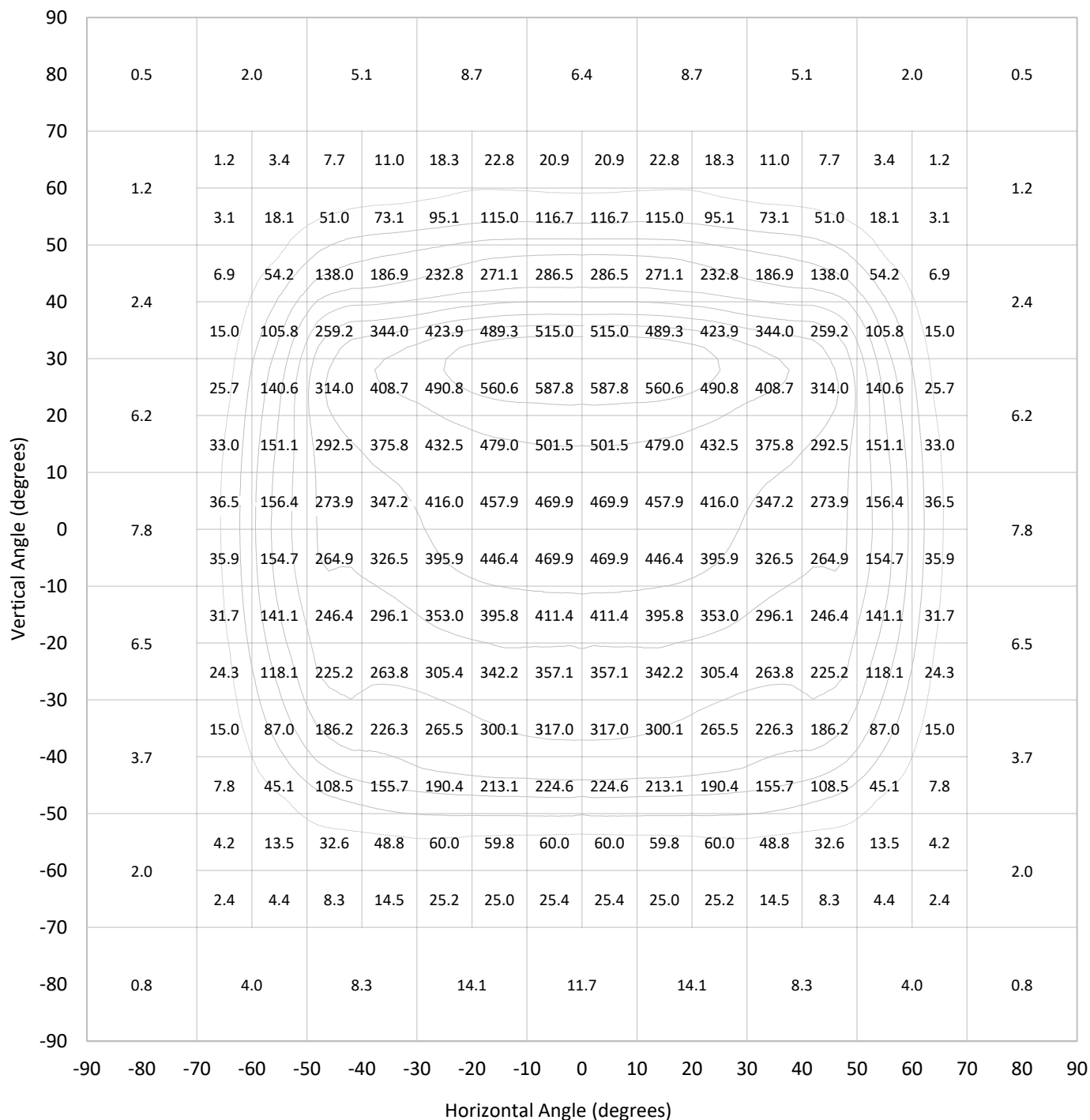




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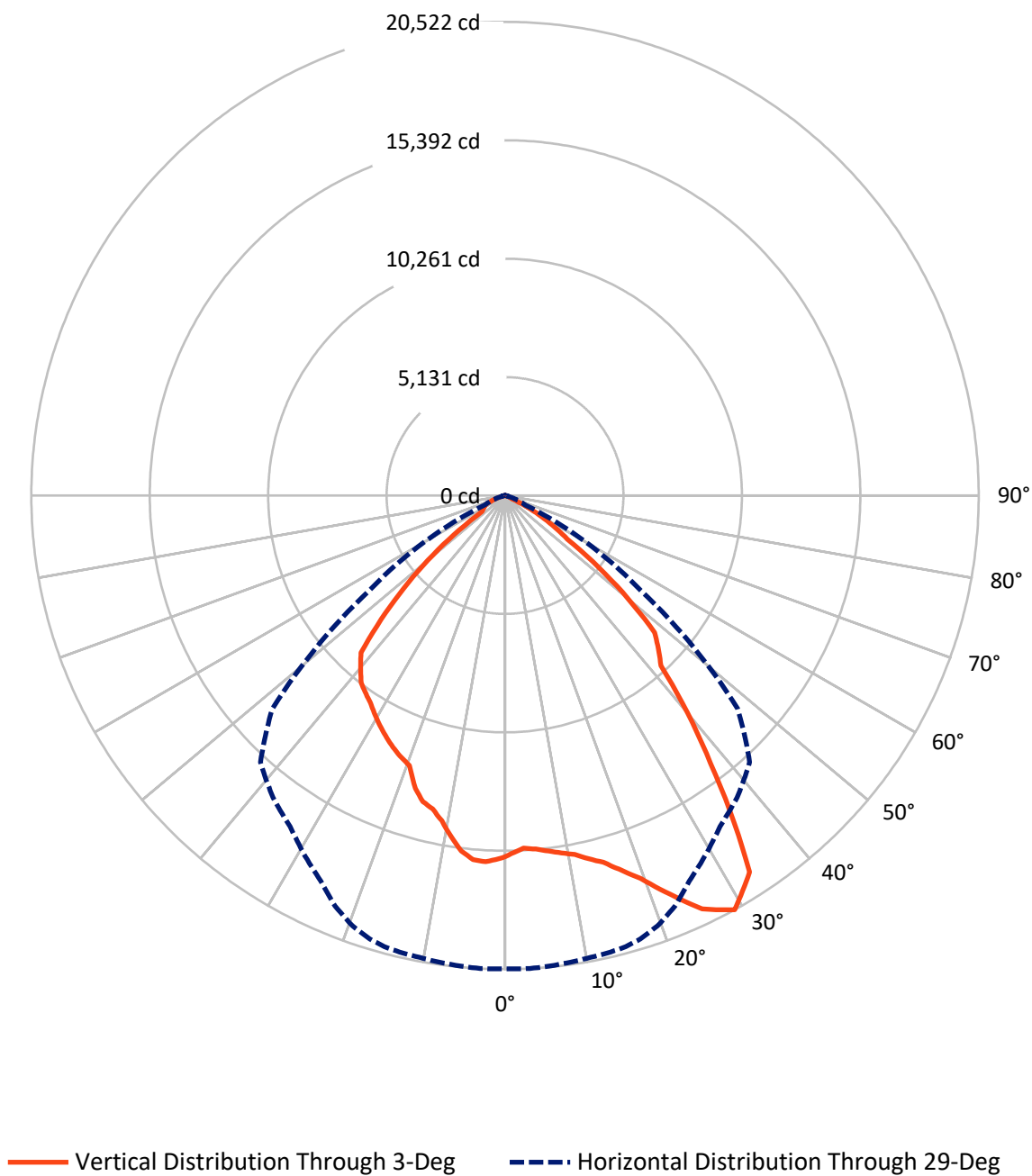
## Lumen Table



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## Luminous Intensity Polar Plot

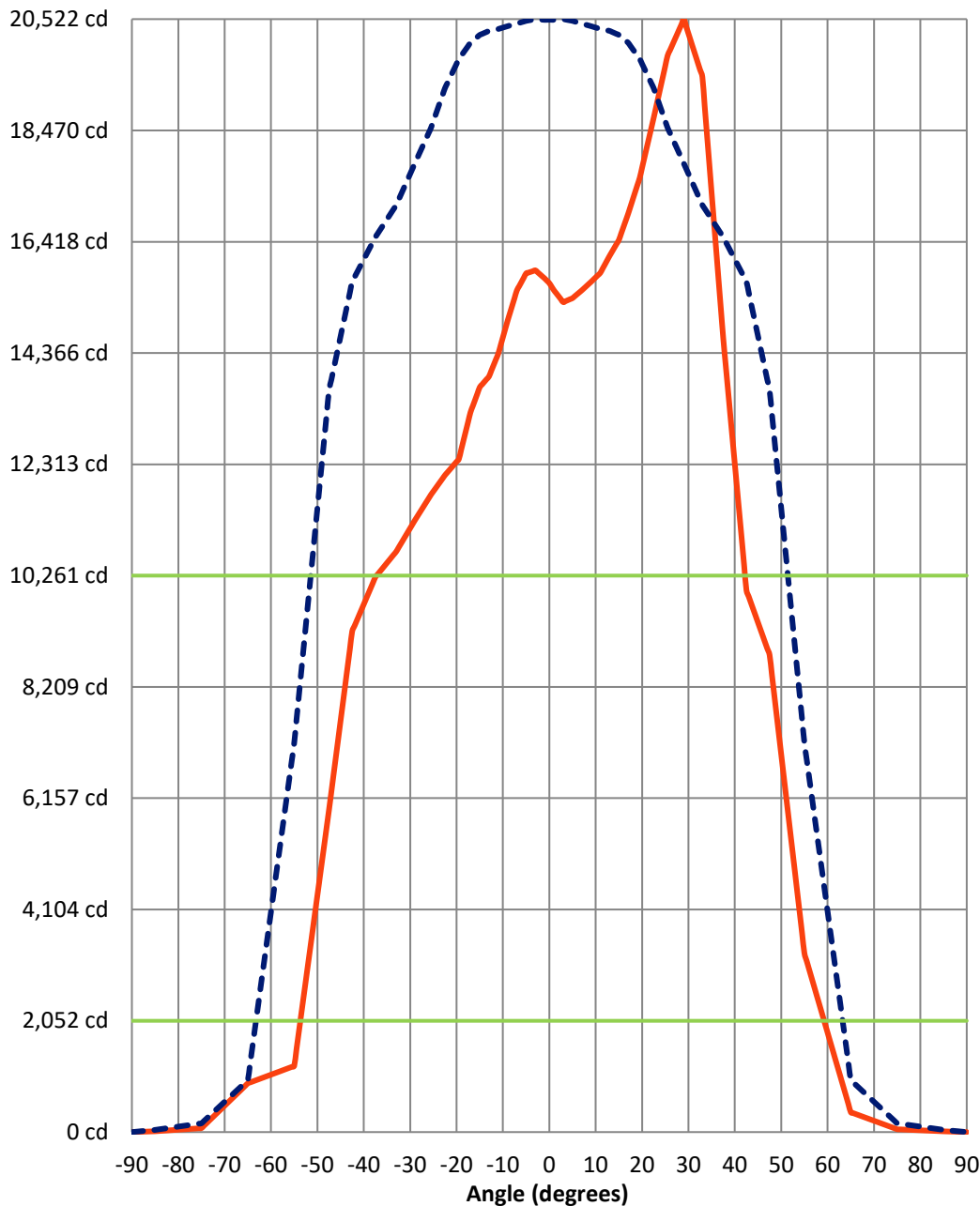




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## Luminous Intensity Plot



**Beam:**  
H Angle: 102.9°  
V Angle: 79.4°  
Lumens: 28572.1  
Efficiency: 74.3%

**Field:**  
H Angle: 126.5°  
V Angle: 112.9°  
Lumens: 37162.3  
Efficiency: 96.6%

**Spill:**  
Lumens: 1292.7  
Efficiency: 3.4%

— Vertical Distribution through 3-Deg  
- - Horizontal Distribution through 29-Deg



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FIELD  
BEAM

**CANDELA DISTRIBUTION:**

|        | 0°      | 1°      | 3°      | 5°      | 7°      | 9°      | 11°     | 13°     | 15°     | 17°     | 19.5°   |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 90°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 85°    | 0.8     | 6.5     | 13.8    | 32.5    | 42.2    | 49.6    | 54.4    | 56.9    | 57.7    | 57.7    | 55.2    |
| 75°    | 47.9    | 48.7    | 52.0    | 47.1    | 37.4    | 40.6    | 59.3    | 67.4    | 74.7    | 77.2    | 73.1    |
| 65°    | 370.5   | 368.0   | 365.6   | 363.1   | 352.6   | 337.2   | 331.5   | 364.0   | 446.8   | 532.9   | 575.2   |
| 55°    | 3233.4  | 3222.0  | 3298.4  | 3244.8  | 3350.4  | 3452.0  | 3488.5  | 3499.1  | 3511.3  | 3449.5  | 3365.8  |
| 47.5°  | 8766.0  | 8842.3  | 8794.4  | 8787.9  | 8732.7  | 8646.5  | 8594.5  | 8510.1  | 8436.1  | 8420.7  | 8168.0  |
| 42.5°  | 10058.5 | 10024.4 | 9992.7  | 10063.4 | 10022.8 | 10056.9 | 10052.8 | 9966.7  | 9906.6  | 9783.1  | 9659.6  |
| 37.5°  | 14578.0 | 14603.2 | 14634.9 | 14641.4 | 14660.9 | 14578.8 | 14521.9 | 14461.8 | 14346.4 | 14149.8 | 13867.9 |
| 33°    | 19463.9 | 19508.5 | 19454.9 | 19451.7 | 19494.7 | 19475.2 | 19391.5 | 19313.6 | 19142.1 | 18911.4 | 18649.8 |
| 29°    | 20511.1 | 20508.6 | 20522.4 | 20489.9 | 20440.4 | 20392.4 | 20340.5 | 20305.5 | 20230.8 | 20087.0 | 19787.2 |
| 25.5°  | 19814.0 | 19825.4 | 19848.9 | 19830.3 | 19767.7 | 19732.8 | 19688.1 | 19627.1 | 19497.2 | 19342.8 | 19087.7 |
| 22.5°  | 18646.6 | 18735.9 | 18701.0 | 18677.4 | 18623.8 | 18538.5 | 18555.6 | 18497.9 | 18397.2 | 18239.5 | 17971.4 |
| 19.5°  | 17562.8 | 17607.5 | 17598.5 | 17533.6 | 17500.2 | 17430.4 | 17397.9 | 17355.6 | 17270.3 | 17172.8 | 16990.0 |
| 17°    | 16869.0 | 16951.9 | 16934.0 | 16894.2 | 16842.2 | 16795.9 | 16737.4 | 16701.6 | 16631.8 | 16524.5 | 16302.7 |
| 15°    | 16457.1 | 16494.5 | 16450.6 | 16442.5 | 16449.8 | 16358.0 | 16320.6 | 16229.6 | 16207.7 | 16117.5 | 15921.7 |
| 13°    | 16109.4 | 16128.1 | 16157.3 | 16111.0 | 16102.9 | 16070.4 | 15992.4 | 15954.2 | 15877.9 | 15841.3 | 15699.9 |
| 11°    | 15836.4 | 15964.0 | 15843.7 | 15877.0 | 15839.7 | 15834.8 | 15790.9 | 15769.8 | 15712.9 | 15656.9 | 15569.9 |
| 9°     | 15694.2 | 15716.2 | 15678.0 | 15676.4 | 15659.3 | 15628.4 | 15617.9 | 15616.3 | 15604.9 | 15574.0 | 15520.4 |
| 7°     | 15520.4 | 15539.1 | 15521.2 | 15503.3 | 15490.3 | 15477.3 | 15513.9 | 15526.1 | 15578.9 | 15535.0 | 15483.8 |
| 5°     | 15401.8 | 15383.9 | 15377.4 | 15374.2 | 15406.7 | 15406.7 | 15478.1 | 15518.8 | 15568.3 | 15582.1 | 15515.5 |
| 3°     | 15300.2 | 15322.2 | 15302.7 | 15326.2 | 15390.4 | 15424.5 | 15520.4 | 15579.7 | 15612.2 | 15613.0 | 15586.2 |
| 1°     | 15457.8 | 15511.5 | 15522.0 | 15538.3 | 15561.8 | 15582.9 | 15654.4 | 15707.2 | 15672.3 | 15673.9 | 15565.1 |
| 0°     | 15605.7 | 15626.8 | 15654.4 | 15635.8 | 15666.6 | 15685.3 | 15736.5 | 15747.1 | 15733.2 | 15671.5 | 15525.3 |
| -1°    | 15760.9 | 15756.0 | 15740.6 | 15737.3 | 15744.6 | 15722.7 | 15751.1 | 15716.2 | 15674.7 | 15619.5 | 15482.2 |
| -3°    | 15872.2 | 15912.8 | 15890.8 | 15865.7 | 15786.0 | 15786.0 | 15754.4 | 15624.4 | 15568.3 | 15510.6 | 15317.3 |
| -5°    | 15778.7 | 15830.7 | 15834.0 | 15753.6 | 15630.1 | 15597.6 | 15496.8 | 15418.8 | 15321.3 | 15227.1 | 15032.1 |
| -7°    | 15570.8 | 15543.1 | 15518.8 | 15414.8 | 15333.5 | 15257.2 | 15123.1 | 14987.4 | 14962.3 | 14872.9 | 14701.5 |
| -9°    | 14997.2 | 15016.7 | 14959.0 | 14931.4 | 14842.0 | 14742.9 | 14703.9 | 14607.2 | 14556.1 | 14476.4 | 14318.8 |
| -11°   | 14427.7 | 14349.7 | 14355.4 | 14374.9 | 14311.5 | 14312.3 | 14270.1 | 14211.6 | 14204.3 | 14128.7 | 13995.5 |
| -13°   | 13978.4 | 13972.7 | 13934.6 | 13967.0 | 13954.9 | 13956.5 | 13916.7 | 13909.4 | 13895.6 | 13843.6 | 13664.0 |
| -15°   | 13681.9 | 13729.8 | 13734.7 | 13707.1 | 13713.6 | 13698.1 | 13683.5 | 13648.6 | 13638.0 | 13556.0 | 13368.3 |
| -17°   | 13250.5 | 13266.7 | 13270.8 | 13268.4 | 13248.1 | 13264.3 | 13282.2 | 13268.4 | 13217.2 | 13154.6 | 13003.5 |
| -19.5° | 12452.7 | 12387.7 | 12410.5 | 12433.2 | 12439.7 | 12438.9 | 12464.9 | 12508.8 | 12468.1 | 12386.1 | 12261.0 |
| -22.5° | 12168.4 | 12154.6 | 12112.3 | 12126.1 | 12119.6 | 12099.3 | 12099.3 | 12102.6 | 12079.0 | 11992.9 | 11822.3 |
| -25.5° | 11741.8 | 11761.3 | 11754.8 | 11745.9 | 11744.3 | 11707.7 | 11709.3 | 11715.0 | 11668.7 | 11573.7 | 11420.1 |
| -29°   | 11271.5 | 11284.5 | 11279.6 | 11257.6 | 11227.6 | 11161.8 | 11134.2 | 11072.4 | 10990.4 | 10937.6 | 10813.3 |
| -33°   | 10736.1 | 10703.6 | 10705.2 | 10702.0 | 10662.1 | 10624.0 | 10577.7 | 10500.5 | 10416.0 | 10350.2 | 10218.6 |
| -37.5° | 10231.6 | 10250.2 | 10233.2 | 10238.9 | 10216.1 | 10177.9 | 10136.5 | 10078.0 | 9995.1  | 9900.1  | 9769.3  |
| -42.5° | 9268.0  | 9254.2  | 9233.1  | 9186.8  | 9168.1  | 9079.6  | 9025.1  | 9026.8  | 9008.1  | 8935.8  | 8811.5  |
| -47.5° | 5753.5  | 5906.3  | 5941.2  | 5911.1  | 5881.9  | 5869.7  | 5808.0  | 5803.1  | 5808.0  | 5769.0  | 5673.1  |
| -55°   | 1188.6  | 1184.5  | 1218.6  | 1243.0  | 1293.4  | 1312.9  | 1322.6  | 1286.9  | 1326.7  | 1408.7  | 1448.5  |
| -65°   | 915.6   | 912.3   | 899.3   | 898.5   | 886.3   | 881.5   | 880.7   | 872.5   | 878.2   | 902.6   | 930.2   |
| -75°   | 71.5    | 71.5    | 72.3    | 64.2    | 59.3    | 66.6    | 86.9    | 93.4    | 103.2   | 99.1    | 110.5   |
| -85°   | 2.4     | 7.3     | 14.6    | 34.1    | 43.9    | 50.4    | 55.2    | 57.7    | 57.7    | 56.9    | 56.1    |
| -90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |



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**CANDELA DISTRIBUTION (continued):**

|        | 22.5°   | 25.5°   | 29°     | 33°     | 37.5°   | 42.5°   | 47.5°   | 55°    | 65°    | 75°   | 85°  |
|--------|---------|---------|---------|---------|---------|---------|---------|--------|--------|-------|------|
| 90°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0   | 0.0  |
| 85°    | 51.2    | 47.9    | 45.5    | 42.2    | 36.6    | 30.9    | 26.8    | 22.7   | 26.0   | 22.7  | 27.6 |
| 75°    | 65.8    | 66.6    | 83.7    | 104.8   | 94.2    | 63.4    | 43.9    | 36.6   | 47.9   | 27.6  | 30.1 |
| 65°    | 501.3   | 323.3   | 200.7   | 151.1   | 122.7   | 104.0   | 127.5   | 96.7   | 89.4   | 44.7  | 31.7 |
| 55°    | 3158.7  | 2948.3  | 2793.9  | 2597.3  | 2533.1  | 2351.9  | 1902.7  | 774.2  | 142.2  | 72.3  | 34.1 |
| 47.5°  | 7894.2  | 7540.8  | 7141.9  | 6695.1  | 6310.0  | 5777.1  | 4733.1  | 2070.8 | 170.6  | 93.4  | 36.6 |
| 42.5°  | 9444.3  | 9042.2  | 8800.9  | 8475.1  | 8114.4  | 7995.0  | 7199.6  | 3566.5 | 175.5  | 106.4 | 37.4 |
| 37.5°  | 13626.6 | 13176.6 | 12556.7 | 12078.2 | 11699.6 | 11645.2 | 10154.4 | 5034.5 | 279.5  | 122.7 | 39.0 |
| 33°    | 18147.7 | 17488.1 | 16633.4 | 15894.9 | 15251.5 | 14673.9 | 12442.1 | 6216.6 | 650.7  | 141.4 | 39.8 |
| 29°    | 19249.4 | 18519.8 | 17861.0 | 17094.0 | 16502.6 | 15682.1 | 13668.9 | 7176.9 | 957.0  | 161.7 | 40.6 |
| 25.5°  | 18566.1 | 18019.4 | 17378.4 | 16775.6 | 16332.8 | 15760.1 | 14198.6 | 7713.9 | 1204.8 | 180.4 | 41.4 |
| 22.5°  | 17557.9 | 17077.8 | 16544.8 | 16161.4 | 15920.9 | 15478.1 | 14158.0 | 8011.2 | 1402.2 | 196.6 | 42.2 |
| 19.5°  | 16672.4 | 16337.7 | 15907.1 | 15669.9 | 15565.9 | 15033.8 | 13749.3 | 8309.4 | 1580.1 | 213.7 | 43.1 |
| 17°    | 16059.8 | 15771.4 | 15487.1 | 15375.0 | 15271.0 | 14583.7 | 13377.2 | 8518.2 | 1725.6 | 222.6 | 43.9 |
| 15°    | 15701.6 | 15492.8 | 15288.8 | 15208.4 | 15012.6 | 14188.0 | 13129.4 | 8657.1 | 1827.1 | 229.9 | 44.7 |
| 13°    | 15530.1 | 15392.8 | 15210.9 | 15058.1 | 14724.2 | 13830.6 | 12946.7 | 8820.4 | 1910.0 | 236.4 | 44.7 |
| 11°    | 15435.9 | 15308.3 | 15064.6 | 14838.8 | 14369.2 | 13514.5 | 12838.6 | 8960.9 | 1978.2 | 239.7 | 45.5 |
| 9°     | 15382.3 | 15228.7 | 14931.4 | 14533.3 | 14079.2 | 13239.9 | 12774.4 | 9062.5 | 2035.1 | 241.3 | 46.3 |
| 7°     | 15399.3 | 15147.5 | 14760.0 | 14302.6 | 13815.1 | 13071.0 | 12718.4 | 9136.4 | 2074.1 | 240.5 | 47.1 |
| 5°     | 15393.7 | 15065.4 | 14619.4 | 14150.7 | 13611.2 | 12913.3 | 12675.3 | 9194.9 | 2092.0 | 238.0 | 47.9 |
| 3°     | 15363.6 | 15024.8 | 14493.5 | 13928.9 | 13429.2 | 12787.4 | 12655.8 | 9232.3 | 2108.2 | 235.6 | 47.9 |
| 1°     | 15315.7 | 14926.5 | 14331.8 | 13803.8 | 13301.7 | 12668.8 | 12634.7 | 9247.7 | 2104.2 | 233.2 | 47.9 |
| 0°     | 15267.7 | 14879.4 | 14279.0 | 13738.8 | 13243.2 | 12604.6 | 12603.8 | 9286.7 | 2096.8 | 231.5 | 47.9 |
| -1°    | 15189.7 | 14777.8 | 14186.4 | 13642.1 | 13166.8 | 12616.0 | 12605.4 | 9251.8 | 2088.7 | 229.1 | 48.7 |
| -3°    | 14976.1 | 14591.0 | 14033.7 | 13497.5 | 13027.1 | 12533.1 | 12577.8 | 9217.7 | 2074.1 | 226.7 | 49.6 |
| -5°    | 14734.0 | 14361.1 | 13861.4 | 13329.3 | 12865.4 | 12408.8 | 12514.5 | 9121.8 | 2040.0 | 225.0 | 49.6 |
| -7°    | 14426.1 | 14145.8 | 13612.0 | 13095.3 | 12655.8 | 12231.7 | 12395.0 | 9029.2 | 2002.6 | 223.4 | 50.4 |
| -9°    | 14110.8 | 13817.6 | 13342.3 | 12828.0 | 12424.3 | 12084.7 | 12231.7 | 8885.4 | 1953.0 | 221.8 | 50.4 |
| -11°   | 13789.1 | 13486.9 | 13012.5 | 12534.8 | 12149.7 | 11854.0 | 12059.5 | 8724.5 | 1897.8 | 221.8 | 51.2 |
| -13°   | 13404.0 | 13127.8 | 12697.2 | 12267.5 | 11897.8 | 11679.3 | 11874.3 | 8521.4 | 1830.4 | 222.6 | 51.2 |
| -15°   | 13107.5 | 12812.6 | 12399.9 | 11997.8 | 11662.2 | 11499.7 | 11658.2 | 8262.3 | 1766.2 | 224.2 | 52.0 |
| -17°   | 12754.1 | 12499.0 | 12122.1 | 11746.7 | 11443.7 | 11326.7 | 11442.1 | 7999.9 | 1683.3 | 225.0 | 52.0 |
| -19.5° | 12064.4 | 11832.0 | 11593.2 | 11346.2 | 11147.2 | 11109.8 | 11165.8 | 7655.4 | 1571.2 | 226.7 | 52.0 |
| -22.5° | 11600.5 | 11364.9 | 11104.9 | 10913.2 | 10776.7 | 10905.1 | 10834.4 | 7177.7 | 1412.0 | 229.1 | 52.0 |
| -25.5° | 11220.3 | 11003.4 | 10743.4 | 10559.0 | 10481.0 | 10762.1 | 10529.7 | 6661.0 | 1234.1 | 229.1 | 52.0 |
| -29°   | 10633.7 | 10444.4 | 10211.3 | 10036.6 | 9994.3  | 10432.2 | 9939.1  | 6063.9 | 1024.5 | 225.9 | 52.0 |
| -33°   | 9991.1  | 9778.2  | 9542.6  | 9356.6  | 9277.8  | 9867.6  | 8965.0  | 5348.1 | 762.9  | 216.9 | 52.0 |
| -37.5° | 9581.6  | 9343.6  | 9080.4  | 8787.9  | 8610.0  | 8690.4  | 7662.7  | 4321.2 | 443.6  | 201.5 | 51.2 |
| -42.5° | 8591.3  | 8445.1  | 8120.9  | 7804.9  | 7338.6  | 6780.4  | 5713.7  | 3099.4 | 338.8  | 182.8 | 51.2 |
| -47.5° | 5680.4  | 5573.2  | 5469.2  | 5270.1  | 4825.7  | 4245.7  | 3568.1  | 1716.6 | 322.5  | 160.0 | 50.4 |
| -55°   | 1569.6  | 1591.5  | 1685.8  | 1570.4  | 1373.0  | 1203.2  | 1167.4  | 524.0  | 296.5  | 122.7 | 47.9 |
| -65°   | 985.5   | 999.3   | 814.9   | 576.8   | 390.0   | 298.2   | 302.2   | 200.7  | 197.4  | 71.5  | 44.7 |
| -75°   | 120.2   | 121.0   | 101.6   | 96.7    | 97.5    | 111.3   | 116.2   | 96.7   | 78.0   | 40.6  | 41.4 |
| -85°   | 54.4    | 53.6    | 52.0    | 50.4    | 49.6    | 47.1    | 43.9    | 39.8   | 36.6   | 37.4  | 37.4 |
| -90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0   | 0.0  |





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**CANDELA DISTRIBUTION (continued):**

|        | 90° |
|--------|-----|
| 90°    | 0.0 |
| 85°    | 0.0 |
| 75°    | 0.0 |
| 65°    | 0.0 |
| 55°    | 0.0 |
| 47.5°  | 0.0 |
| 42.5°  | 0.0 |
| 37.5°  | 0.0 |
| 33°    | 0.0 |
| 29°    | 0.0 |
| 25.5°  | 0.0 |
| 22.5°  | 0.0 |
| 19.5°  | 0.0 |
| 17°    | 0.0 |
| 15°    | 0.0 |
| 13°    | 0.0 |
| 11°    | 0.0 |
| 9°     | 0.0 |
| 7°     | 0.0 |
| 5°     | 0.0 |
| 3°     | 0.0 |
| 1°     | 0.0 |
| 0°     | 0.0 |
| -1°    | 0.0 |
| -3°    | 0.0 |
| -5°    | 0.0 |
| -7°    | 0.0 |
| -9°    | 0.0 |
| -11°   | 0.0 |
| -13°   | 0.0 |
| -15°   | 0.0 |
| -17°   | 0.0 |
| -19.5° | 0.0 |
| -22.5° | 0.0 |
| -25.5° | 0.0 |
| -29°   | 0.0 |
| -33°   | 0.0 |
| -37.5° | 0.0 |
| -42.5° | 0.0 |
| -47.5° | 0.0 |
| -55°   | 0.0 |
| -65°   | 0.0 |
| -75°   | 0.0 |
| -85°   | 0.0 |
| -90°   | 0.0 |

(END OF REPORT)