

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: McGRAW-EDISON

Report Number: P193070

Luminaire Tested: **GLEON-AF-02-LED-E1-SLR-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P193070  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24296)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GLEON-AF-02-LED-E1-SLR-7030  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10351.2 lumens  
Efficiency: N/A  
Efficacy: 91.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G3

Input Watts (W): 113  
Input Voltage (V): NR  
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



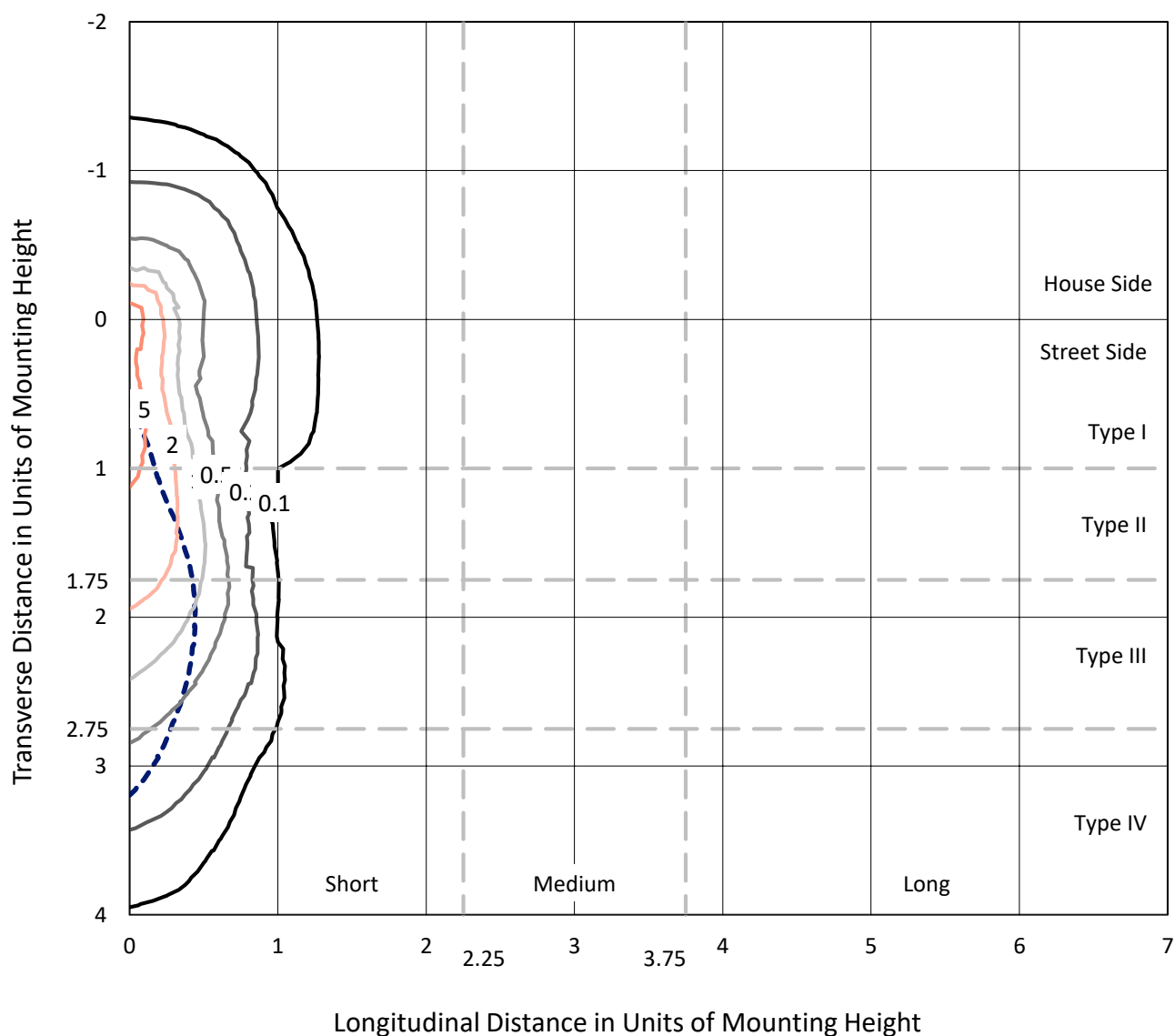
REPORT NUMBER: P193070

CATALOG NUMBER: GLEON-AF-02-LED-E1-SLR-7030

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

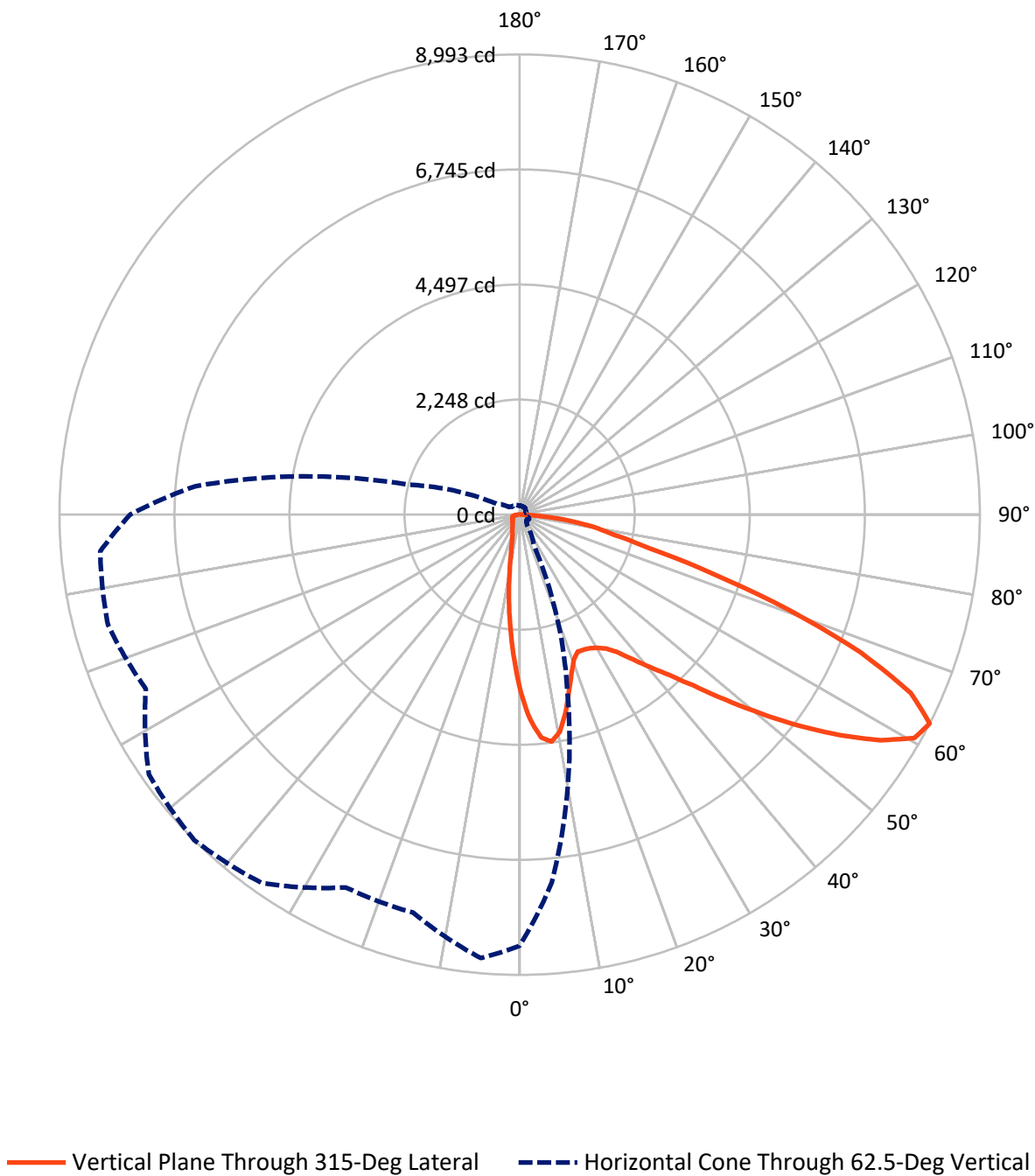


Based on 20 foot mounting height. Maximum calculated value = 8.7 fc  
Type IV - Short - Non-Cutoff

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1713.0   | 0.0    | 1713.0  |
|                    | % Fixture | 16.5     | 0.0    | 16.5    |
| <b>Street Side</b> | Lumens    | 8638.2   | 0.0    | 8638.2  |
|                    | % Fixture | 83.5     | 0.0    | 83.5    |
| <b>Total</b>       | Lumens    | 10351.2  | 0.0    | 10351.2 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 254.6   | 2.5       |
| 10°-20°   | 466.8   | 4.5       |
| 20°-30°   | 680.6   | 6.6       |
| 30°-40°   | 1048.3  | 10.1      |
| 40°-50°   | 1542.8  | 14.9      |
| 50°-60°   | 2262.9  | 21.9      |
| 60°-70°   | 2529.7  | 24.4      |
| 70°-80°   | 1238.5  | 12.0      |
| 80°-90°   | 327.0   | 3.2       |
| 90°-100°  | 0.0     | 0.0       |
| 100°-110° | 0.0     | 0.0       |
| 110°-120° | 0.0     | 0.0       |
| 120°-130° | 0.0     | 0.0       |
| 130°-140° | 0.0     | 0.0       |
| 140°-150° | 0.0     | 0.0       |
| 150°-160° | 0.0     | 0.0       |
| 160°-170° | 0.0     | 0.0       |
| 170°-180° | 0.0     | 0.0       |
| 0°-90°    | 10351.2 | 100.0     |
| 0°-180°   | 10351.2 | 100.0     |

**Coefficient of Utilization**



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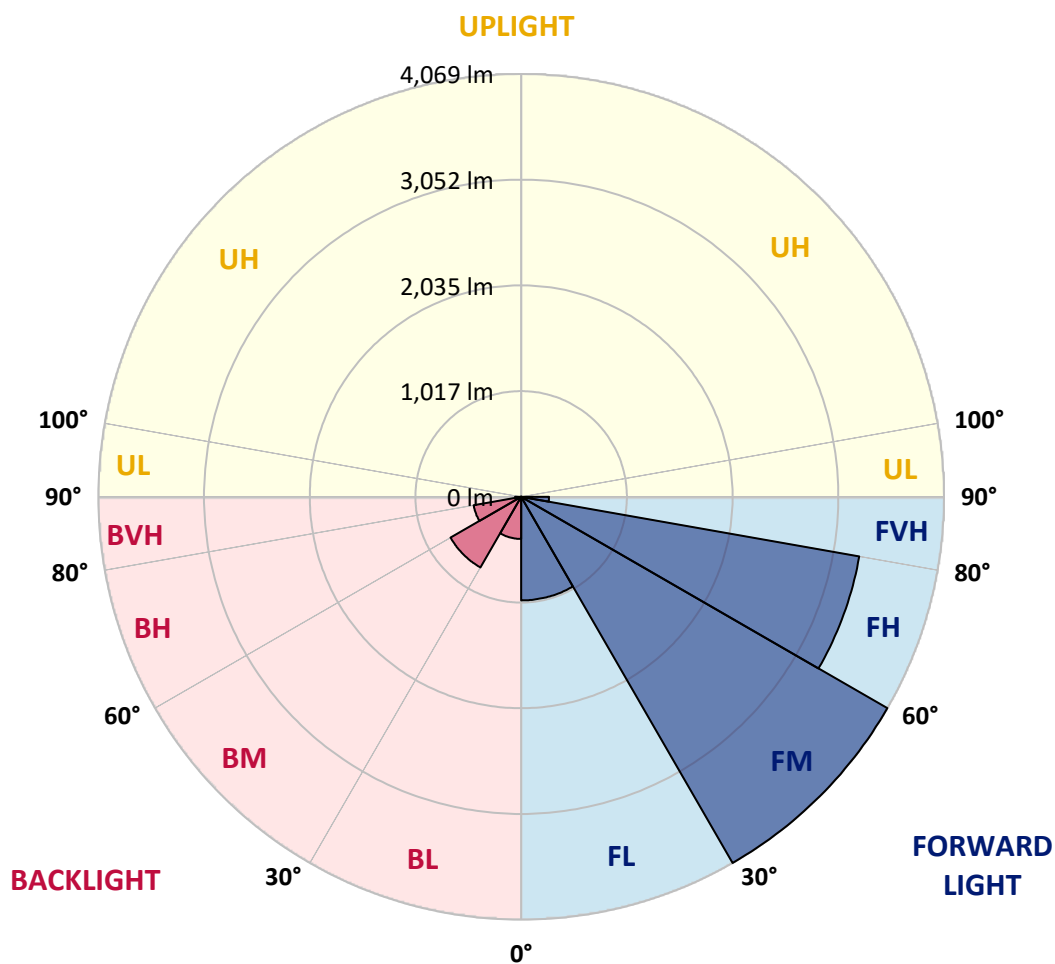
CATALOG NUMBER: GLEON-AF-02-LED-E1-SLR-7030

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 996.8  | 9.6       |                         |      |         |
| FM   | (30°-60°)   | 4069.2 | 39.3      |                         |      |         |
| FH   | (60°-80°)   | 3303.8 | 31.9      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 268.5  | 2.6       |                         |      | G3/500  |
| BL   | (0°-30°)    | 405.3  | 3.9       | B1/500                  |      |         |
| BM   | (30°-60°)   | 784.9  | 7.6       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 464.4  | 4.5       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 58.5   | 0.6       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G3**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3497.2 | 3497.2 | 3497.2 | 3497.2 | 3497.2 | 3497.2 | 3497.2 | 3497.2 | 3497.2 | 3497.2 | 3497.2 |
| 2.5°  | 3633.8 | 3559.7 | 3436.9 | 3308.8 | 3230.9 | 3139.9 | 3068.8 | 3006.2 | 2880.9 | 2856.5 | 2878.7 |
| 5°    | 3417.0 | 3268.5 | 3036.9 | 2803.6 | 2648.2 | 2481.5 | 2351.8 | 2247.7 | 2088.9 | 2060.9 | 2094.6 |
| 7.5°  | 3069.3 | 2891.8 | 2585.6 | 2288.0 | 2068.4 | 1860.1 | 1720.2 | 1608.7 | 1484.7 | 1431.1 | 1434.5 |
| 10°   | 2769.4 | 2569.1 | 2207.2 | 1883.4 | 1703.7 | 1563.1 | 1445.3 | 1330.9 | 1205.2 | 1122.6 | 1099.9 |
| 12.5° | 2601.6 | 2371.2 | 1954.0 | 1665.0 | 1498.3 | 1350.3 | 1223.3 | 1101.0 | 966.7  | 882.6  | 858.7  |
| 15°   | 2572.5 | 2322.2 | 1858.9 | 1524.9 | 1316.1 | 1128.9 | 979.3  | 842.7  | 704.4  | 636.2  | 621.9  |
| 17.5° | 2698.2 | 2409.8 | 1828.2 | 1400.3 | 1144.8 | 913.9  | 730.1  | 577.6  | 464.9  | 430.7  | 427.9  |
| 20°   | 2939.5 | 2578.2 | 1824.3 | 1283.1 | 975.9  | 705.0  | 508.7  | 397.7  | 348.2  | 338.6  | 339.1  |
| 22.5° | 3278.1 | 2839.4 | 1873.2 | 1195.0 | 820.5  | 525.7  | 382.4  | 332.9  | 313.6  | 304.4  | 304.4  |
| 25°   | 3716.2 | 3199.0 | 1985.9 | 1130.7 | 685.7  | 419.9  | 337.4  | 307.9  | 289.6  | 283.4  | 284.5  |
| 27.5° | 4140.8 | 3549.0 | 2116.8 | 1080.0 | 597.4  | 381.2  | 319.8  | 293.1  | 277.1  | 270.9  | 273.7  |
| 30°   | 4472.0 | 3859.7 | 2226.0 | 1011.2 | 552.6  | 370.4  | 326.0  | 298.8  | 276.0  | 266.3  | 266.9  |
| 32.5° | 4746.2 | 4131.6 | 2317.6 | 961.6  | 512.7  | 317.5  | 281.2  | 269.1  | 266.3  | 254.9  | 249.2  |
| 35°   | 5096.7 | 4428.2 | 2379.1 | 962.8  | 494.0  | 283.4  | 250.4  | 229.3  | 213.9  | 200.8  | 200.8  |
| 37.5° | 5507.5 | 4768.4 | 2444.5 | 975.9  | 487.1  | 263.5  | 239.6  | 218.5  | 204.4  | 191.7  | 189.4  |
| 40°   | 5913.8 | 5101.9 | 2504.2 | 988.4  | 483.2  | 251.6  | 231.0  | 211.6  | 198.7  | 186.1  | 182.7  |
| 42.5° | 6259.3 | 5376.1 | 2557.8 | 994.7  | 469.5  | 250.4  | 224.7  | 207.1  | 194.6  | 181.0  | 177.5  |
| 45°   | 6514.7 | 5606.0 | 2615.2 | 1004.3 | 455.8  | 254.9  | 224.7  | 206.5  | 191.2  | 178.1  | 174.7  |
| 47.5° | 6742.9 | 5875.8 | 2711.4 | 1004.3 | 439.3  | 246.4  | 232.1  | 207.1  | 190.6  | 177.0  | 174.2  |
| 50°   | 7048.5 | 6245.6 | 2893.5 | 981.0  | 415.9  | 237.3  | 244.6  | 204.9  | 185.5  | 174.7  | 171.3  |
| 52.5° | 7469.5 | 6719.6 | 3182.5 | 940.6  | 380.1  | 219.6  | 243.0  | 203.7  | 180.4  | 169.1  | 165.0  |
| 55°   | 7967.4 | 7227.2 | 3497.7 | 893.4  | 326.5  | 207.1  | 234.5  | 200.8  | 174.7  | 162.1  | 158.2  |
| 57.5° | 8356.0 | 7576.5 | 3719.7 | 820.5  | 279.9  | 200.3  | 207.7  | 198.0  | 167.8  | 154.8  | 151.4  |
| 60°   | 8510.9 | 7562.8 | 3780.6 | 723.2  | 257.2  | 194.6  | 181.5  | 221.9  | 162.1  | 149.0  | 145.1  |
| 62.5° | 8427.1 | 7213.6 | 3609.8 | 654.9  | 252.1  | 187.2  | 170.1  | 205.4  | 157.7  | 145.1  | 139.5  |
| 65°   | 8040.8 | 6594.4 | 3157.5 | 636.8  | 266.9  | 179.8  | 162.7  | 161.0  | 151.4  | 139.5  | 133.8  |
| 67.5° | 7199.2 | 5669.1 | 2528.2 | 638.4  | 285.6  | 172.4  | 155.3  | 147.4  | 142.8  | 133.2  | 128.1  |
| 70°   | 5863.7 | 4482.2 | 1884.6 | 643.0  | 295.3  | 163.9  | 147.4  | 138.9  | 133.8  | 124.0  | 120.6  |
| 72.5° | 4311.5 | 3454.6 | 1369.0 | 613.4  | 297.0  | 154.2  | 136.6  | 129.2  | 124.0  | 113.8  | 111.0  |
| 75°   | 2949.8 | 2642.6 | 949.7  | 508.2  | 259.0  | 140.5  | 124.7  | 117.8  | 114.4  | 101.8  | 100.2  |
| 77.5° | 2154.9 | 1983.6 | 607.7  | 377.3  | 199.7  | 123.5  | 109.8  | 104.7  | 102.3  | 88.7   | 86.6   |
| 80°   | 1729.2 | 1569.4 | 380.1  | 258.3  | 146.2  | 103.6  | 92.3   | 89.4   | 87.1   | 73.4   | 71.7   |
| 82.5° | 1199.4 | 1051.0 | 244.0  | 167.8  | 109.8  | 80.2   | 72.8   | 71.7   | 68.3   | 55.7   | 54.1   |
| 85°   | 632.7  | 570.8  | 154.8  | 114.4  | 79.6   | 55.1   | 50.7   | 50.7   | 48.9   | 37.0   | 35.8   |
| 87.5° | 80.9   | 131.4  | 78.5   | 59.8   | 43.8   | 24.5   | 24.5   | 23.9   | 25.5   | 21.1   | 18.2   |
| 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):**

|       | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   | 185°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3497.2 | 3497.2 | 3497.2 | 3497.2 | 3497.2 | 3497.2 | 3497.2 | 3497.2 | 3497.2 | 3497.2 | 3497.2 |
| 2.5°  | 2826.3 | 2853.7 | 2827.4 | 2829.2 | 2858.2 | 2944.6 | 2984.0 | 3016.4 | 3051.1 | 3073.9 | 3084.1 |
| 5°    | 2048.5 | 2112.2 | 2133.9 | 2179.4 | 2246.5 | 2356.8 | 2400.7 | 2432.5 | 2453.6 | 2466.1 | 2471.2 |
| 7.5°  | 1400.9 | 1439.6 | 1482.8 | 1556.3 | 1702.5 | 1767.4 | 1796.4 | 1789.0 | 1765.1 | 1756.6 | 1748.0 |
| 10°   | 1056.1 | 1040.7 | 1032.7 | 1073.2 | 1191.6 | 1256.9 | 1277.5 | 1257.6 | 1244.5 | 1247.3 | 1261.5 |
| 12.5° | 818.3  | 791.5  | 759.1  | 754.6  | 832.4  | 891.1  | 904.1  | 905.3  | 929.2  | 950.2  | 981.5  |
| 15°   | 596.3  | 593.5  | 577.6  | 567.9  | 612.3  | 660.0  | 665.7  | 676.0  | 697.6  | 713.0  | 740.3  |
| 17.5° | 420.5  | 435.8  | 448.4  | 454.6  | 488.2  | 522.4  | 516.1  | 511.0  | 507.0  | 507.0  | 520.1  |
| 20°   | 339.1  | 349.4  | 365.4  | 383.5  | 417.7  | 441.5  | 426.2  | 405.7  | 390.9  | 386.3  | 388.1  |
| 22.5° | 305.6  | 313.6  | 322.7  | 338.6  | 369.3  | 385.8  | 369.3  | 354.5  | 339.7  | 334.6  | 332.9  |
| 25°   | 288.5  | 298.8  | 307.2  | 319.2  | 342.0  | 353.4  | 337.4  | 326.5  | 317.5  | 311.3  | 306.7  |
| 27.5° | 278.8  | 287.9  | 290.2  | 295.9  | 315.2  | 325.5  | 317.5  | 312.9  | 307.2  | 301.5  | 295.9  |
| 30°   | 268.6  | 266.9  | 262.9  | 263.5  | 278.8  | 289.1  | 288.5  | 289.6  | 289.1  | 287.4  | 286.3  |
| 32.5° | 245.3  | 241.8  | 238.4  | 241.8  | 256.1  | 265.2  | 265.7  | 268.0  | 268.0  | 267.4  | 271.9  |
| 35°   | 204.4  | 210.6  | 214.4  | 224.7  | 241.8  | 249.7  | 246.4  | 240.7  | 230.4  | 224.2  | 223.7  |
| 37.5° | 188.9  | 190.0  | 196.8  | 211.1  | 229.9  | 237.3  | 232.1  | 219.1  | 212.3  | 211.1  | 212.8  |
| 40°   | 181.5  | 182.7  | 186.7  | 199.7  | 218.5  | 225.9  | 221.4  | 211.6  | 205.4  | 204.9  | 207.7  |
| 42.5° | 176.4  | 177.5  | 179.8  | 188.9  | 204.4  | 213.4  | 213.9  | 207.1  | 199.7  | 200.3  | 203.1  |
| 45°   | 173.5  | 174.2  | 173.5  | 178.1  | 192.3  | 203.1  | 207.7  | 203.1  | 196.8  | 198.0  | 201.5  |
| 47.5° | 172.9  | 171.3  | 169.1  | 170.1  | 184.9  | 195.8  | 201.5  | 199.7  | 196.8  | 198.0  | 200.8  |
| 50°   | 170.7  | 166.7  | 163.9  | 163.4  | 178.1  | 189.4  | 194.6  | 194.6  | 195.8  | 198.0  | 200.8  |
| 52.5° | 163.9  | 159.3  | 159.3  | 157.7  | 173.5  | 184.3  | 187.8  | 188.4  | 190.0  | 194.1  | 198.0  |
| 55°   | 155.3  | 153.6  | 155.3  | 152.5  | 170.1  | 180.4  | 182.1  | 183.2  | 184.3  | 187.8  | 193.5  |
| 57.5° | 147.9  | 145.7  | 149.6  | 148.5  | 167.2  | 176.4  | 176.4  | 178.6  | 178.6  | 183.2  | 187.8  |
| 60°   | 144.0  | 139.5  | 141.2  | 142.2  | 163.4  | 172.9  | 171.9  | 174.2  | 175.3  | 179.3  | 182.7  |
| 62.5° | 138.9  | 134.8  | 134.8  | 137.6  | 158.8  | 167.8  | 167.2  | 169.1  | 173.5  | 174.7  | 178.1  |
| 65°   | 132.5  | 130.9  | 129.2  | 132.5  | 154.2  | 162.1  | 162.7  | 165.0  | 169.1  | 170.1  | 172.9  |
| 67.5° | 126.3  | 126.8  | 123.5  | 126.8  | 150.2  | 156.5  | 156.5  | 161.0  | 162.7  | 165.0  | 167.8  |
| 70°   | 119.5  | 120.0  | 117.2  | 121.2  | 147.4  | 150.2  | 149.6  | 155.9  | 157.0  | 158.8  | 161.6  |
| 72.5° | 111.0  | 111.0  | 109.8  | 115.5  | 142.8  | 144.0  | 142.8  | 147.9  | 148.5  | 150.2  | 151.4  |
| 75°   | 101.8  | 101.8  | 100.7  | 108.7  | 140.0  | 137.1  | 133.8  | 137.6  | 138.9  | 140.0  | 140.0  |
| 77.5° | 89.9   | 91.0   | 91.0   | 100.7  | 130.3  | 134.3  | 122.9  | 125.2  | 126.8  | 127.5  | 125.7  |
| 80°   | 75.1   | 77.9   | 79.1   | 91.6   | 109.3  | 124.0  | 109.8  | 111.6  | 112.1  | 112.1  | 109.8  |
| 82.5° | 57.5   | 62.6   | 65.4   | 79.1   | 83.7   | 104.2  | 95.6   | 97.4   | 95.6   | 92.3   | 91.0   |
| 85°   | 39.9   | 46.7   | 50.0   | 60.3   | 63.2   | 80.2   | 79.6   | 79.6   | 76.3   | 71.7   | 71.1   |
| 87.5° | 21.7   | 25.5   | 27.9   | 35.8   | 43.2   | 54.1   | 58.6   | 57.0   | 54.1   | 51.3   | 51.8   |
| 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):**

|       | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°   | 270°   | 275°   | 285°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3497.2 | 3497.2 | 3497.2 | 3497.2 | 3497.2 | 3497.2 | 3497.2 | 3497.2 | 3497.2 | 3497.2 | 3497.2 |
| 2.5°  | 3137.6 | 3215.0 | 3338.4 | 3432.9 | 3528.0 | 3619.5 | 3718.5 | 3794.2 | 3858.5 | 3883.5 | 3959.8 |
| 5°    | 2523.1 | 2619.8 | 2736.4 | 2946.9 | 3096.1 | 3260.6 | 3450.5 | 3702.0 | 3798.8 | 3932.5 | 4151.6 |
| 7.5°  | 1783.8 | 1871.5 | 2059.3 | 2229.4 | 2440.6 | 2673.2 | 2929.9 | 3277.0 | 3403.9 | 3618.4 | 3975.2 |
| 10°   | 1332.1 | 1433.9 | 1584.7 | 1728.2 | 1914.2 | 2152.1 | 2446.8 | 2834.8 | 2989.2 | 3221.8 | 3632.7 |
| 12.5° | 1073.2 | 1193.2 | 1353.1 | 1488.0 | 1632.0 | 1799.8 | 2086.0 | 2511.7 | 2718.3 | 2921.9 | 3337.4 |
| 15°   | 824.5  | 950.2  | 1098.8 | 1270.0 | 1428.8 | 1609.7 | 1909.7 | 2375.1 | 2612.9 | 2825.2 | 3179.7 |
| 17.5° | 570.8  | 678.3  | 865.5  | 1044.2 | 1247.3 | 1479.0 | 1860.6 | 2404.1 | 2688.1 | 2932.7 | 3207.0 |
| 20°   | 404.6  | 466.0  | 619.6  | 826.8  | 1080.0 | 1370.7 | 1851.6 | 2556.5 | 2925.9 | 3205.3 | 3382.2 |
| 22.5° | 340.3  | 363.1  | 452.4  | 642.5  | 934.9  | 1290.1 | 1883.4 | 2770.6 | 3246.8 | 3603.6 | 3661.6 |
| 25°   | 310.1  | 323.7  | 370.4  | 504.1  | 805.8  | 1231.4 | 1991.0 | 3089.2 | 3644.1 | 4001.9 | 3991.7 |
| 27.5° | 293.6  | 307.9  | 338.6  | 425.7  | 708.4  | 1195.0 | 2098.6 | 3467.1 | 4098.1 | 4434.4 | 4306.9 |
| 30°   | 288.5  | 307.9  | 340.3  | 401.2  | 639.0  | 1137.5 | 2186.8 | 3798.8 | 4447.5 | 4726.3 | 4450.3 |
| 32.5° | 284.5  | 287.4  | 302.1  | 346.0  | 572.9  | 1070.3 | 2246.5 | 4096.3 | 4789.5 | 5004.0 | 4656.8 |
| 35°   | 229.9  | 244.0  | 268.0  | 310.1  | 534.3  | 1029.9 | 2246.5 | 4353.0 | 5126.3 | 5284.6 | 4853.8 |
| 37.5° | 221.4  | 233.9  | 254.9  | 290.7  | 512.7  | 1010.0 | 2201.6 | 4600.6 | 5470.6 | 5602.6 | 5015.9 |
| 40°   | 216.8  | 227.0  | 246.9  | 276.0  | 503.5  | 987.2  | 2136.1 | 4819.0 | 5806.8 | 5921.2 | 5167.3 |
| 42.5° | 213.4  | 222.5  | 241.3  | 266.9  | 491.6  | 962.2  | 2083.1 | 4994.2 | 6098.8 | 6193.3 | 5311.8 |
| 45°   | 211.6  | 221.4  | 241.8  | 271.4  | 467.7  | 929.2  | 2065.5 | 5183.8 | 6338.9 | 6420.3 | 5468.3 |
| 47.5° | 211.6  | 223.1  | 244.6  | 281.2  | 439.3  | 895.1  | 2120.7 | 5433.6 | 6565.9 | 6605.7 | 5652.6 |
| 50°   | 210.0  | 222.5  | 252.6  | 271.4  | 397.7  | 851.7  | 2250.5 | 5748.2 | 6811.8 | 6816.2 | 5885.9 |
| 52.5° | 206.5  | 221.4  | 271.9  | 265.7  | 349.9  | 795.0  | 2425.8 | 6152.3 | 7175.4 | 7202.7 | 6251.3 |
| 55°   | 202.5  | 219.6  | 266.9  | 252.6  | 310.8  | 727.2  | 2569.1 | 6643.3 | 7686.3 | 7762.0 | 6788.4 |
| 57.5° | 197.4  | 217.3  | 258.3  | 234.5  | 285.0  | 640.1  | 2620.9 | 7003.0 | 8043.1 | 8233.1 | 7393.9 |
| 60°   | 193.0  | 215.7  | 233.3  | 223.7  | 269.1  | 566.7  | 2520.7 | 6931.9 | 8018.6 | 8428.4 | 7930.5 |
| 62.5° | 188.4  | 217.3  | 212.8  | 216.8  | 261.7  | 519.5  | 2259.1 | 6362.1 | 7612.9 | 8226.9 | 8328.2 |
| 65°   | 183.2  | 202.0  | 200.8  | 211.1  | 260.0  | 500.7  | 1872.6 | 5508.1 | 6828.8 | 7590.1 | 8422.0 |
| 67.5° | 176.4  | 186.7  | 192.3  | 203.7  | 265.7  | 484.2  | 1511.3 | 4543.6 | 5739.2 | 6636.0 | 7932.8 |
| 70°   | 169.1  | 177.5  | 183.8  | 194.6  | 262.3  | 476.8  | 1256.9 | 3583.1 | 4553.9 | 5438.7 | 6967.1 |
| 72.5° | 159.3  | 166.7  | 172.4  | 182.7  | 259.0  | 472.9  | 1061.8 | 2885.5 | 3399.9 | 4040.1 | 5664.5 |
| 75°   | 147.9  | 154.8  | 158.8  | 169.1  | 248.1  | 433.0  | 834.7  | 2441.6 | 2544.1 | 2810.3 | 4511.8 |
| 77.5° | 134.8  | 140.0  | 143.3  | 154.8  | 219.6  | 360.2  | 603.7  | 1883.4 | 1975.6 | 2040.5 | 3459.0 |
| 80°   | 119.5  | 124.7  | 126.3  | 137.1  | 182.1  | 281.7  | 393.8  | 1391.3 | 1477.7 | 1492.6 | 2259.1 |
| 82.5° | 101.8  | 107.0  | 107.0  | 117.2  | 149.0  | 202.5  | 258.3  | 953.1  | 970.2  | 1020.3 | 1596.8 |
| 85°   | 82.0   | 85.9   | 85.9   | 91.0   | 115.5  | 151.4  | 177.5  | 478.5  | 473.4  | 540.7  | 1383.3 |
| 87.5° | 58.6   | 61.4   | 64.4   | 65.4   | 82.5   | 100.2  | 107.0  | 145.7  | 96.1   | 110.4  | 888.3  |
| 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):**

|       | 295°   | 305°   | 315°   | 325°   | 335°   | 345°   | 355°   | 360°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3497.2 | 3497.2 | 3497.2 | 3497.2 | 3497.2 | 3497.2 | 3497.2 | 3497.2 |
| 2.5°  | 4017.3 | 4049.7 | 4016.7 | 3992.8 | 3889.8 | 3805.1 | 3691.8 | 3633.8 |
| 5°    | 4318.3 | 4400.9 | 4372.9 | 4272.8 | 4057.7 | 3815.9 | 3541.0 | 3417.0 |
| 7.5°  | 4281.9 | 4473.6 | 4478.2 | 4290.9 | 3974.1 | 3617.8 | 3245.6 | 3069.3 |
| 10°   | 3998.6 | 4243.7 | 4313.8 | 4132.1 | 3795.8 | 3397.6 | 2970.9 | 2769.4 |
| 12.5° | 3682.1 | 3922.3 | 3975.7 | 3913.1 | 3632.1 | 3232.0 | 2799.0 | 2601.6 |
| 15°   | 3423.2 | 3530.8 | 3594.5 | 3649.2 | 3491.5 | 3166.0 | 2789.4 | 2572.5 |
| 17.5° | 3265.6 | 3253.6 | 3271.9 | 3367.0 | 3393.6 | 3241.7 | 2937.3 | 2698.2 |
| 20°   | 3208.7 | 3026.1 | 3021.4 | 3152.3 | 3347.6 | 3422.1 | 3226.3 | 2939.5 |
| 22.5° | 3240.0 | 2944.1 | 2906.6 | 3061.9 | 3372.1 | 3682.1 | 3605.3 | 3278.1 |
| 25°   | 3348.1 | 2951.0 | 2920.8 | 3071.0 | 3460.8 | 3959.2 | 4014.4 | 3716.2 |
| 27.5° | 3518.2 | 2994.1 | 2954.4 | 3108.5 | 3578.6 | 4191.9 | 4417.4 | 4140.8 |
| 30°   | 3679.9 | 3069.3 | 3019.8 | 3182.5 | 3686.1 | 4284.2 | 4664.3 | 4472.0 |
| 32.5° | 3876.2 | 3209.8 | 3122.7 | 3318.5 | 3819.2 | 4431.0 | 4884.4 | 4746.2 |
| 35°   | 4068.5 | 3410.1 | 3302.1 | 3528.5 | 3967.7 | 4613.6 | 5135.9 | 5096.7 |
| 37.5° | 4279.5 | 3671.8 | 3582.5 | 3799.9 | 4171.0 | 4786.0 | 5457.0 | 5507.5 |
| 40°   | 4505.0 | 4019.0 | 3913.1 | 4196.0 | 4486.1 | 5002.2 | 5792.1 | 5913.8 |
| 42.5° | 4732.0 | 4404.2 | 4277.9 | 4564.7 | 4832.6 | 5215.6 | 6078.8 | 6259.3 |
| 45°   | 4992.0 | 4822.4 | 4762.7 | 5072.8 | 5165.6 | 5418.8 | 6290.5 | 6514.7 |
| 47.5° | 5294.7 | 5297.0 | 5393.1 | 5517.3 | 5501.3 | 5648.7 | 6503.3 | 6742.9 |
| 50°   | 5648.0 | 5889.4 | 6101.6 | 6184.1 | 5847.2 | 5895.6 | 6798.6 | 7048.5 |
| 52.5° | 6072.6 | 6597.8 | 6860.7 | 6806.7 | 6219.9 | 6197.1 | 7266.4 | 7469.5 |
| 55°   | 6603.5 | 7347.8 | 7609.0 | 7570.2 | 6648.4 | 6608.0 | 7849.0 | 7967.4 |
| 57.5° | 7218.0 | 8074.4 | 8314.5 | 8140.4 | 7162.8 | 7058.7 | 8331.0 | 8356.0 |
| 60°   | 7758.1 | 8650.3 | 8860.8 | 8667.9 | 7681.8 | 7538.4 | 8632.0 | 8510.9 |
| 62.5° | 8058.4 | 8845.4 | 8993.3 | 8785.6 | 8037.4 | 8049.3 | 8698.0 | 8427.1 |
| 65°   | 7924.1 | 8352.1 | 8399.9 | 8382.8 | 7945.8 | 8345.9 | 8460.8 | 8040.8 |
| 67.5° | 7189.0 | 7104.8 | 7185.0 | 7296.0 | 7160.6 | 7955.5 | 7803.6 | 7199.2 |
| 70°   | 5893.9 | 5431.3 | 5591.3 | 5665.7 | 5727.2 | 6845.8 | 6773.1 | 5863.7 |
| 72.5° | 4441.8 | 3805.1 | 3931.3 | 3916.0 | 4200.5 | 5491.1 | 5267.4 | 4311.5 |
| 75°   | 3147.2 | 2579.9 | 2595.9 | 2589.7 | 2931.0 | 4296.1 | 3814.1 | 2949.8 |
| 77.5° | 2202.1 | 1869.2 | 1877.7 | 1913.0 | 1970.5 | 3240.0 | 2725.0 | 2154.9 |
| 80°   | 1514.2 | 1418.6 | 1465.8 | 1468.7 | 1365.6 | 2176.6 | 2013.2 | 1729.2 |
| 82.5° | 1127.8 | 986.1  | 974.7  | 991.2  | 1070.3 | 1763.5 | 1547.2 | 1199.4 |
| 85°   | 923.6  | 583.8  | 469.5  | 588.4  | 948.6  | 1746.3 | 1027.7 | 632.7  |
| 87.5° | 520.1  | 277.1  | 125.2  | 232.1  | 378.4  | 1156.3 | 297.0  | 80.9   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)