

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: P194610

Luminaire Tested: **GLEON-AF-02-LED-E1-SLL-7060-600**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P194610  
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-SLL-7060-600  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7052 lumens  
Efficiency: N/A  
Efficacy: 106.8 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 - G2

Input Watts (W): 66  
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

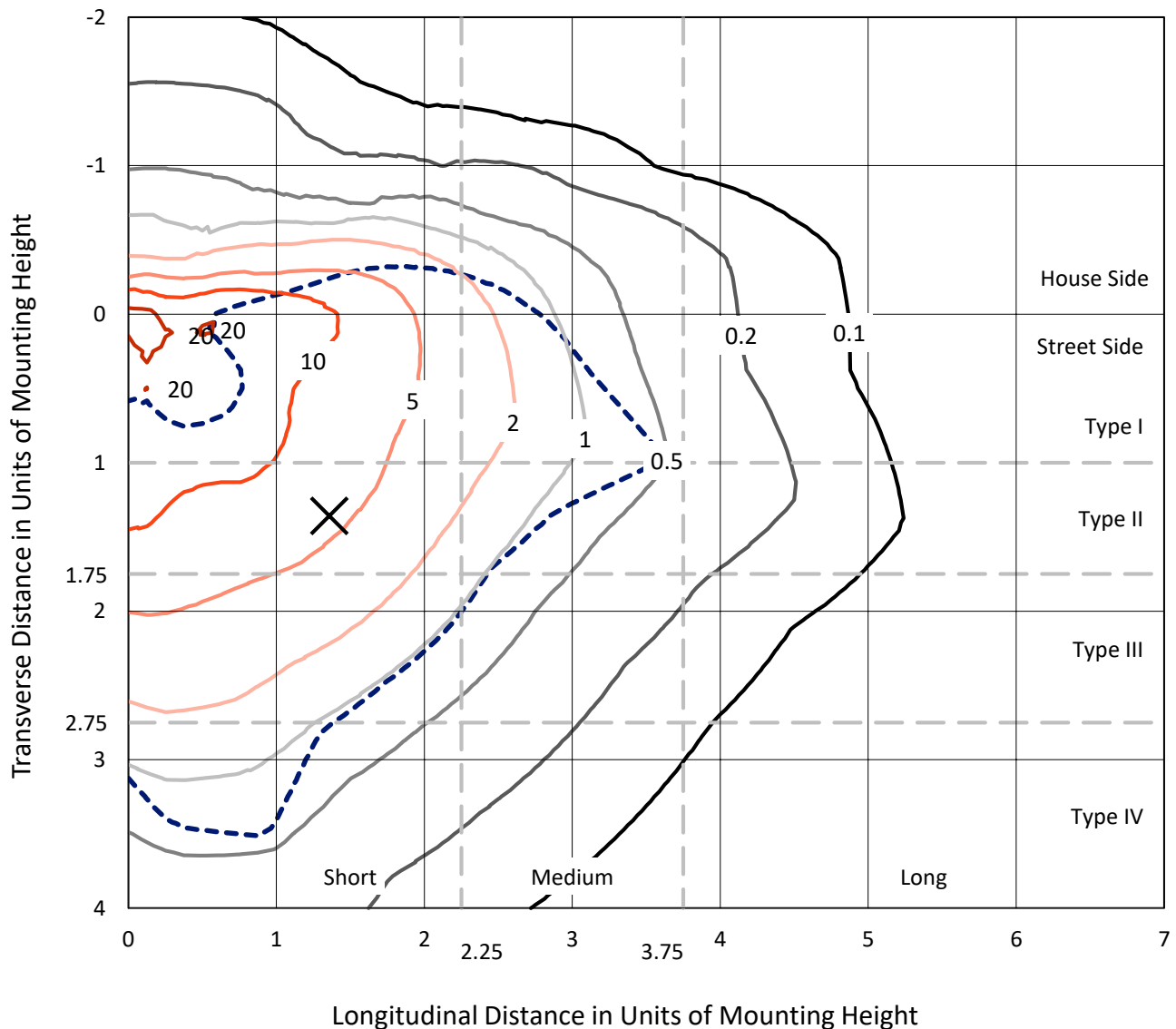


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

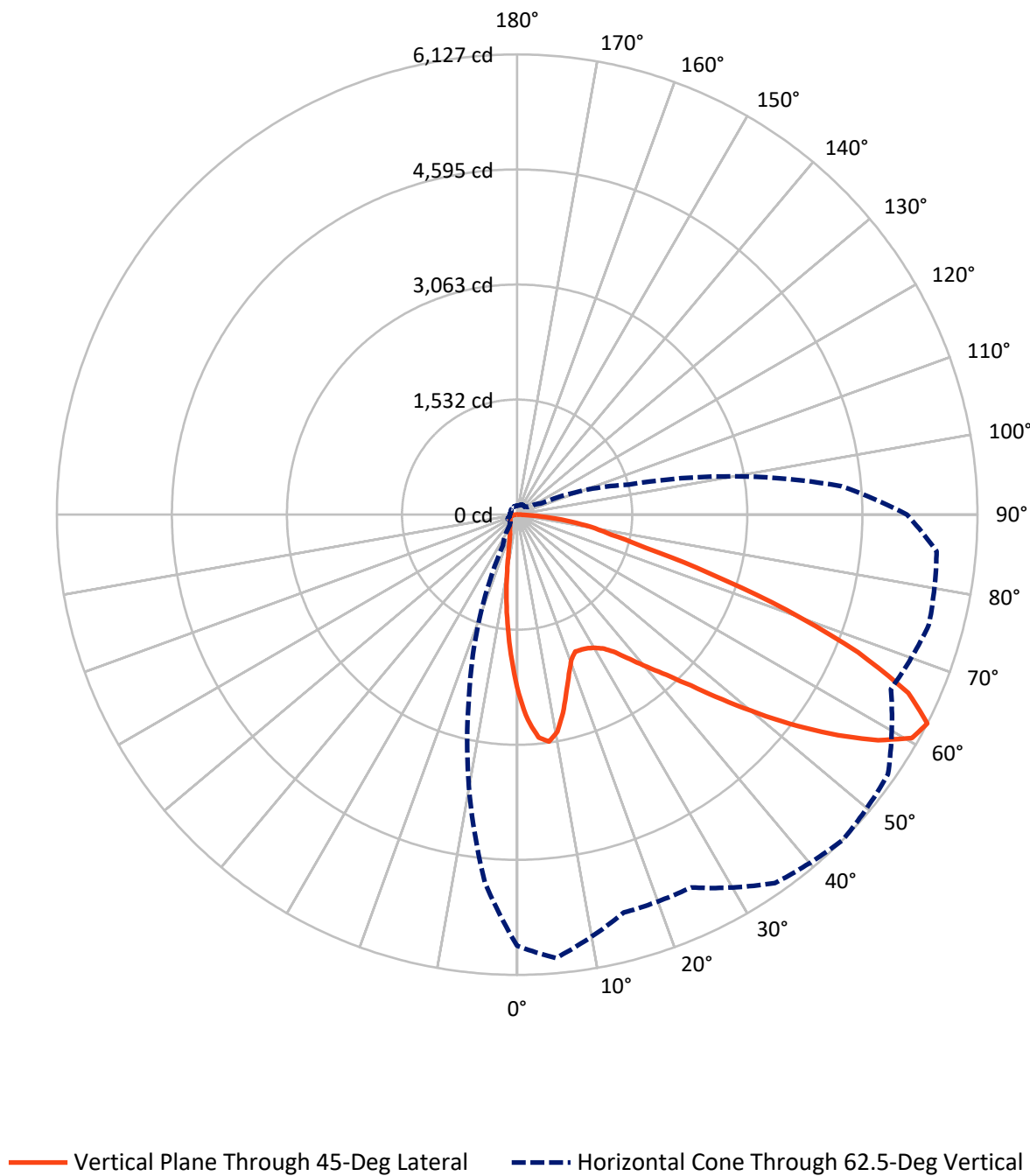


Based on 10 foot mounting height. Maximum calculated value = 28 fc  
 Type IV - Short - Non-Cutoff

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1167.0   | 0.0    | 1167.0 |
|                    | % Fixture | 16.5     | 0.0    | 16.5   |
| <b>Street Side</b> | Lumens    | 5885.0   | 0.0    | 5885.0 |
|                    | % Fixture | 83.5     | 0.0    | 83.5   |
| <b>Total</b>       | Lumens    | 7052.0   | 0.0    | 7052.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 173.4  | 2.5       |
| 10°-20°   | 318.0  | 4.5       |
| 20°-30°   | 463.7  | 6.6       |
| 30°-40°   | 714.2  | 10.1      |
| 40°-50°   | 1051.1 | 14.9      |
| 50°-60°   | 1541.7 | 21.9      |
| 60°-70°   | 1723.4 | 24.4      |
| 70°-80°   | 843.7  | 12.0      |
| 80°-90°   | 222.8  | 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°    | 7052.0 | 100.0     |
| 0°-180°   | 7052.0 | 100.0     |

**Coefficient of Utilization**



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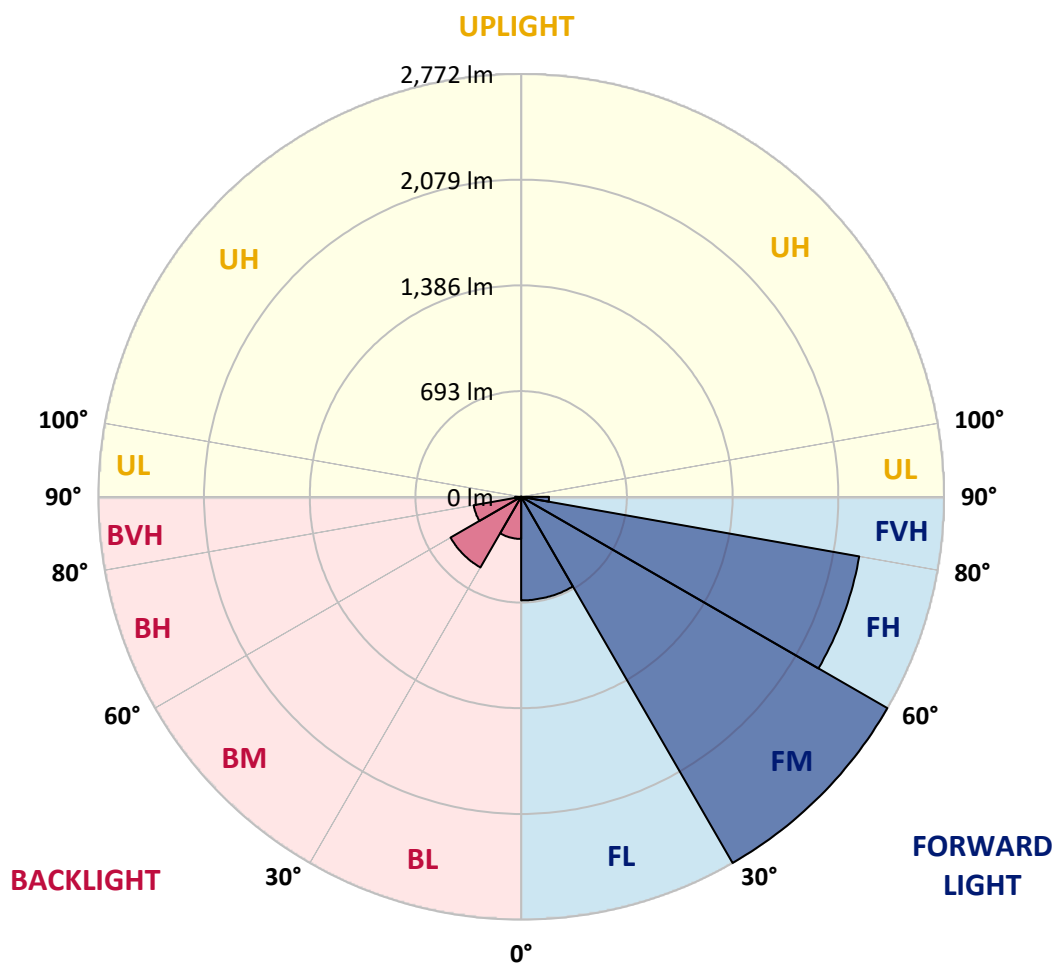
CATALOG NUMBER: GLEON-AF-02-LED-E1-SLL-7060-600

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 679.1  | 9.6       |                         |      |         |
| FM   | (30°-60°)   | 2772.2 | 39.3      |                         |      |         |
| FH   | (60°-80°)   | 2250.8 | 31.9      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 182.9  | 2.6       |                         |      | G2/225  |
| BL   | (0°-30°)    | 276.1  | 3.9       | B1/500                  |      |         |
| BM   | (30°-60°)   | 534.7  | 7.6       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 316.4  | 4.5       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 39.8   | 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-G2**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2382.5 | 2382.5 | 2382.5 | 2382.5 | 2382.5 | 2382.5 | 2382.5 | 2382.5 | 2382.5 | 2382.5 | 2382.5 |
| 2.5°  | 2475.6 | 2515.1 | 2592.3 | 2650.0 | 2720.2 | 2736.5 | 2759.0 | 2736.9 | 2697.7 | 2645.8 | 2628.7 |
| 5°    | 2327.9 | 2412.4 | 2599.6 | 2764.4 | 2910.9 | 2979.2 | 2998.1 | 2941.9 | 2828.4 | 2679.1 | 2588.0 |
| 7.5°  | 2091.0 | 2211.2 | 2464.7 | 2707.4 | 2923.3 | 3050.9 | 3047.8 | 2917.1 | 2708.2 | 2465.1 | 2319.0 |
| 10°   | 1886.7 | 2024.0 | 2314.7 | 2586.1 | 2815.2 | 2938.8 | 2891.2 | 2724.1 | 2474.8 | 2194.9 | 2036.4 |
| 12.5° | 1772.4 | 1906.9 | 2201.9 | 2474.4 | 2665.9 | 2708.6 | 2672.1 | 2508.5 | 2273.6 | 1990.6 | 1851.8 |
| 15°   | 1752.6 | 1900.3 | 2156.9 | 2378.7 | 2486.1 | 2448.8 | 2405.4 | 2332.1 | 2166.2 | 1924.7 | 1780.1 |
| 17.5° | 1838.3 | 2001.1 | 2208.5 | 2312.0 | 2293.8 | 2229.0 | 2216.6 | 2224.8 | 2184.8 | 1998.0 | 1831.3 |
| 20°   | 2002.6 | 2198.0 | 2331.4 | 2280.6 | 2147.6 | 2058.5 | 2061.6 | 2186.0 | 2304.2 | 2183.7 | 1993.3 |
| 22.5° | 2233.3 | 2456.2 | 2508.5 | 2297.3 | 2086.0 | 1980.2 | 2005.7 | 2207.3 | 2494.6 | 2455.0 | 2212.0 |
| 25°   | 2531.8 | 2734.9 | 2697.3 | 2357.7 | 2092.2 | 1989.8 | 2010.4 | 2281.0 | 2719.4 | 2726.4 | 2482.6 |
| 27.5° | 2821.0 | 3009.4 | 2855.9 | 2438.0 | 2117.8 | 2012.7 | 2039.9 | 2396.9 | 2934.2 | 3021.0 | 2791.9 |
| 30°   | 3046.6 | 3177.6 | 2918.7 | 2511.2 | 2168.2 | 2057.3 | 2091.0 | 2507.0 | 3031.9 | 3219.9 | 3029.9 |
| 32.5° | 3233.5 | 3327.7 | 3018.7 | 2602.0 | 2260.8 | 2127.5 | 2186.8 | 2640.7 | 3172.6 | 3409.1 | 3262.9 |
| 35°   | 3472.3 | 3499.0 | 3143.1 | 2703.1 | 2403.9 | 2249.6 | 2323.2 | 2771.8 | 3306.7 | 3600.2 | 3492.4 |
| 37.5° | 3752.1 | 3717.6 | 3260.6 | 2841.5 | 2588.8 | 2440.7 | 2501.6 | 2915.6 | 3417.2 | 3816.9 | 3726.9 |
| 40°   | 4028.9 | 3946.0 | 3407.9 | 3056.3 | 2858.6 | 2665.9 | 2738.0 | 3069.1 | 3520.3 | 4034.0 | 3956.0 |
| 42.5° | 4264.2 | 4141.3 | 3553.3 | 3292.4 | 3109.8 | 2914.4 | 3000.5 | 3223.8 | 3618.8 | 4219.3 | 4154.9 |
| 45°   | 4438.3 | 4285.6 | 3691.7 | 3519.2 | 3456.0 | 3244.7 | 3285.4 | 3400.9 | 3725.4 | 4373.9 | 4318.5 |
| 47.5° | 4593.7 | 4430.5 | 3848.3 | 3747.9 | 3758.7 | 3674.2 | 3608.7 | 3607.2 | 3851.0 | 4500.3 | 4473.2 |
| 50°   | 4801.9 | 4631.7 | 4016.5 | 3983.6 | 4213.1 | 4156.9 | 4012.3 | 3847.9 | 4009.9 | 4643.8 | 4640.7 |
| 52.5° | 5088.8 | 4950.4 | 4222.0 | 4237.5 | 4637.2 | 4674.0 | 4494.9 | 4137.1 | 4258.8 | 4907.0 | 4888.4 |
| 55°   | 5428.0 | 5347.4 | 4501.9 | 4529.4 | 5157.4 | 5183.8 | 5005.8 | 4498.8 | 4624.8 | 5288.0 | 5236.5 |
| 57.5° | 5692.8 | 5675.7 | 4808.9 | 4879.8 | 5545.8 | 5664.5 | 5500.9 | 4917.4 | 5037.2 | 5609.0 | 5479.5 |
| 60°   | 5798.2 | 5880.8 | 5135.7 | 5233.4 | 5905.2 | 6036.6 | 5893.2 | 5285.3 | 5402.8 | 5742.0 | 5462.9 |
| 62.5° | 5741.2 | 5925.7 | 5483.8 | 5475.7 | 5985.4 | 6126.9 | 6026.1 | 5490.0 | 5673.8 | 5604.8 | 5186.5 |
| 65°   | 5478.0 | 5764.1 | 5685.8 | 5413.3 | 5711.0 | 5722.6 | 5690.0 | 5398.5 | 5737.7 | 5171.0 | 4652.3 |
| 67.5° | 4904.6 | 5316.3 | 5419.8 | 4878.3 | 4970.5 | 4895.0 | 4840.3 | 4897.7 | 5404.3 | 4520.9 | 3909.9 |
| 70°   | 3994.8 | 4614.3 | 4663.9 | 3901.8 | 3859.9 | 3809.1 | 3700.2 | 4015.4 | 4746.5 | 3705.2 | 3102.4 |
| 72.5° | 2937.3 | 3588.5 | 3740.9 | 2861.7 | 2667.9 | 2678.3 | 2592.3 | 3026.1 | 3859.1 | 2752.4 | 2316.3 |
| 75°   | 2009.6 | 2598.5 | 2926.8 | 1996.8 | 1764.2 | 1768.5 | 1757.6 | 2144.1 | 3073.7 | 1914.6 | 1733.2 |
| 77.5° | 1468.1 | 1856.5 | 2207.3 | 1342.5 | 1303.3 | 1279.3 | 1273.5 | 1500.2 | 2356.6 | 1390.1 | 1345.9 |
| 80°   | 1178.1 | 1371.5 | 1482.8 | 930.4  | 1000.5 | 998.6  | 966.4  | 1031.6 | 1539.0 | 1016.8 | 1006.7 |
| 82.5° | 817.2  | 1054.0 | 1201.4 | 729.2  | 675.3  | 664.1  | 671.8  | 768.3  | 1087.8 | 695.1  | 661.0  |
| 85°   | 431.1  | 700.1  | 1189.7 | 646.2  | 400.8  | 319.8  | 397.7  | 629.2  | 942.4  | 368.3  | 322.5  |
| 87.5° | 55.0   | 202.4  | 787.7  | 257.8  | 158.2  | 85.3   | 188.8  | 354.3  | 605.1  | 75.2   | 65.5   |
| 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°    | 2382.5 | 2382.5 | 2382.5 | 2382.5 | 2382.5 | 2382.5 | 2382.5 | 2382.5 | 2382.5 | 2382.5 | 2382.5 |
| 2.5°  | 2584.9 | 2533.3 | 2465.9 | 2403.5 | 2338.7 | 2274.4 | 2190.3 | 2137.5 | 2101.1 | 2094.1 | 2078.6 |
| 5°    | 2522.1 | 2350.8 | 2221.3 | 2109.2 | 2007.7 | 1864.2 | 1784.8 | 1718.9 | 1683.6 | 1680.1 | 1671.6 |
| 7.5°  | 2232.5 | 1996.1 | 1821.2 | 1662.7 | 1518.8 | 1402.9 | 1275.0 | 1215.3 | 1190.9 | 1196.7 | 1202.5 |
| 10°   | 1931.3 | 1666.9 | 1466.1 | 1304.1 | 1177.3 | 1079.6 | 976.9  | 907.5  | 859.4  | 849.7  | 847.8  |
| 12.5° | 1711.1 | 1421.2 | 1226.2 | 1111.8 | 1013.7 | 921.9  | 812.9  | 731.1  | 668.7  | 647.4  | 633.0  |
| 15°   | 1618.1 | 1301.0 | 1096.7 | 973.4  | 865.3  | 748.6  | 647.4  | 561.7  | 504.3  | 485.7  | 475.3  |
| 17.5° | 1637.9 | 1267.6 | 1007.5 | 849.7  | 711.4  | 589.6  | 462.1  | 388.8  | 354.3  | 345.4  | 345.4  |
| 20°   | 1741.7 | 1261.4 | 933.9  | 735.8  | 563.3  | 422.2  | 317.5  | 275.6  | 264.4  | 263.2  | 266.3  |
| 22.5° | 1887.5 | 1283.1 | 878.8  | 636.9  | 437.7  | 308.2  | 247.3  | 231.8  | 226.8  | 227.9  | 231.4  |
| 25°   | 2104.6 | 1356.4 | 838.9  | 548.9  | 343.5  | 252.4  | 220.6  | 211.3  | 208.9  | 212.0  | 216.3  |
| 27.5° | 2362.0 | 1429.7 | 814.1  | 482.6  | 290.0  | 230.7  | 209.7  | 200.0  | 201.6  | 205.5  | 209.3  |
| 30°   | 2588.0 | 1489.8 | 774.9  | 435.3  | 273.3  | 231.8  | 209.7  | 196.5  | 195.0  | 195.8  | 196.9  |
| 32.5° | 2790.7 | 1530.5 | 729.2  | 390.4  | 235.7  | 205.8  | 195.8  | 193.8  | 185.3  | 182.2  | 182.6  |
| 35°   | 2965.6 | 1530.5 | 701.7  | 364.0  | 211.3  | 182.6  | 166.3  | 156.6  | 152.3  | 152.7  | 157.0  |
| 37.5° | 3134.2 | 1499.8 | 688.1  | 349.3  | 198.1  | 173.7  | 159.3  | 150.8  | 145.0  | 143.8  | 144.6  |
| 40°   | 3283.1 | 1455.3 | 672.6  | 343.1  | 188.0  | 168.2  | 154.7  | 147.7  | 141.5  | 139.6  | 139.9  |
| 42.5° | 3402.5 | 1419.2 | 655.5  | 334.9  | 181.8  | 164.4  | 151.6  | 145.4  | 138.4  | 136.5  | 136.1  |
| 45°   | 3531.6 | 1407.2 | 633.0  | 318.7  | 184.9  | 164.8  | 150.8  | 144.2  | 137.2  | 134.9  | 134.1  |
| 47.5° | 3701.7 | 1444.8 | 609.8  | 299.3  | 191.5  | 166.7  | 152.0  | 144.2  | 136.8  | 134.9  | 134.1  |
| 50°   | 3916.1 | 1533.2 | 580.3  | 271.0  | 184.9  | 172.1  | 151.6  | 143.0  | 136.8  | 134.9  | 133.4  |
| 52.5° | 4191.4 | 1652.6 | 541.6  | 238.4  | 181.0  | 185.3  | 150.8  | 140.7  | 134.9  | 132.2  | 129.5  |
| 55°   | 4525.9 | 1750.3 | 495.4  | 211.7  | 172.1  | 181.8  | 149.6  | 138.0  | 131.8  | 127.9  | 125.6  |
| 57.5° | 4770.9 | 1785.6 | 436.1  | 194.2  | 159.7  | 176.0  | 148.1  | 134.5  | 127.9  | 124.8  | 121.7  |
| 60°   | 4722.4 | 1717.3 | 386.1  | 183.4  | 152.3  | 158.9  | 146.9  | 131.4  | 124.4  | 122.1  | 119.4  |
| 62.5° | 4334.4 | 1539.0 | 353.9  | 178.3  | 147.7  | 145.0  | 148.1  | 128.3  | 121.3  | 119.0  | 118.2  |
| 65°   | 3752.5 | 1275.8 | 341.1  | 177.2  | 143.8  | 136.8  | 137.6  | 124.8  | 117.8  | 115.9  | 115.1  |
| 67.5° | 3095.4 | 1029.6 | 329.9  | 181.0  | 138.8  | 131.0  | 127.2  | 120.2  | 114.4  | 112.4  | 110.9  |
| 70°   | 2441.1 | 856.3  | 324.9  | 178.7  | 132.6  | 125.2  | 120.9  | 115.1  | 110.1  | 108.2  | 107.0  |
| 72.5° | 1965.8 | 723.4  | 322.1  | 176.4  | 124.4  | 117.5  | 113.6  | 108.5  | 103.1  | 102.3  | 101.2  |
| 75°   | 1663.4 | 568.7  | 295.0  | 169.0  | 115.1  | 108.2  | 105.4  | 100.8  | 95.4   | 95.4   | 94.6   |
| 77.5° | 1283.1 | 411.3  | 245.4  | 149.6  | 105.4  | 97.7   | 95.4   | 91.9   | 85.7   | 86.8   | 86.4   |
| 80°   | 947.8  | 268.3  | 191.9  | 124.1  | 93.4   | 86.1   | 84.9   | 81.4   | 74.8   | 76.4   | 76.4   |
| 82.5° | 649.3  | 176.0  | 138.0  | 101.6  | 79.9   | 72.9   | 72.9   | 69.4   | 62.0   | 62.8   | 65.1   |
| 85°   | 326.0  | 120.9  | 103.1  | 78.7   | 62.0   | 58.5   | 58.5   | 55.8   | 48.5   | 48.8   | 51.9   |
| 87.5° | 99.2   | 72.9   | 68.2   | 56.2   | 44.6   | 43.8   | 41.9   | 39.9   | 35.3   | 34.9   | 36.8   |
| 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°    | 2382.5 | 2382.5 | 2382.5 | 2382.5 | 2382.5 | 2382.5 | 2382.5 | 2382.5 | 2382.5 | 2382.5 | 2382.5 |
| 2.5°  | 2055.0 | 2032.9 | 2006.1 | 1947.2 | 1927.4 | 1926.3 | 1944.1 | 1925.5 | 1961.2 | 1946.0 | 1962.7 |
| 5°    | 1657.2 | 1635.5 | 1605.7 | 1530.5 | 1484.7 | 1453.7 | 1439.0 | 1395.6 | 1427.0 | 1404.1 | 1423.1 |
| 7.5°  | 1218.8 | 1223.8 | 1204.1 | 1159.9 | 1060.2 | 1010.2 | 980.8  | 954.4  | 977.3  | 975.0  | 1011.4 |
| 10°   | 856.7  | 870.3  | 856.3  | 811.8  | 731.1  | 703.6  | 709.0  | 719.5  | 749.3  | 764.8  | 821.1  |
| 12.5° | 616.8  | 616.0  | 607.1  | 567.1  | 514.0  | 517.1  | 539.2  | 557.5  | 585.0  | 601.3  | 658.6  |
| 15°   | 460.5  | 453.6  | 449.7  | 417.1  | 386.9  | 393.5  | 404.3  | 406.3  | 423.7  | 433.4  | 479.9  |
| 17.5° | 348.1  | 351.6  | 355.9  | 332.6  | 309.7  | 305.5  | 296.9  | 286.5  | 291.5  | 293.5  | 316.7  |
| 20°   | 276.4  | 290.4  | 300.8  | 284.5  | 261.3  | 248.9  | 238.0  | 231.0  | 231.0  | 230.7  | 237.2  |
| 22.5° | 241.5  | 251.6  | 262.8  | 251.6  | 230.7  | 219.8  | 213.6  | 208.2  | 207.4  | 207.4  | 213.6  |
| 25°   | 222.5  | 229.9  | 240.7  | 233.0  | 217.5  | 209.3  | 203.5  | 196.5  | 193.8  | 193.1  | 197.3  |
| 27.5° | 213.2  | 216.3  | 221.7  | 214.8  | 201.6  | 197.7  | 196.2  | 190.0  | 186.5  | 184.5  | 188.8  |
| 30°   | 197.3  | 196.5  | 196.9  | 190.0  | 179.5  | 179.1  | 181.8  | 183.0  | 181.8  | 181.4  | 188.0  |
| 32.5° | 182.6  | 181.0  | 180.6  | 174.4  | 164.8  | 162.4  | 164.8  | 167.1  | 169.8  | 173.7  | 181.4  |
| 35°   | 164.0  | 167.9  | 170.2  | 164.8  | 153.1  | 146.1  | 143.4  | 139.2  | 136.8  | 136.8  | 145.8  |
| 37.5° | 149.2  | 158.2  | 161.7  | 156.6  | 143.8  | 134.1  | 129.5  | 128.7  | 129.1  | 130.6  | 139.2  |
| 40°   | 144.2  | 150.8  | 153.9  | 148.9  | 136.1  | 127.2  | 124.4  | 123.7  | 124.4  | 126.8  | 135.3  |
| 42.5° | 141.1  | 145.8  | 145.4  | 139.2  | 128.7  | 122.5  | 120.9  | 120.2  | 120.9  | 123.3  | 132.6  |
| 45°   | 138.4  | 141.5  | 138.4  | 131.0  | 121.3  | 118.2  | 118.6  | 118.2  | 119.0  | 121.3  | 130.3  |
| 47.5° | 136.1  | 137.2  | 133.4  | 126.0  | 115.9  | 115.1  | 116.7  | 117.8  | 118.6  | 120.6  | 129.9  |
| 50°   | 132.6  | 132.6  | 129.1  | 121.3  | 111.3  | 111.6  | 113.6  | 116.3  | 116.7  | 119.0  | 126.4  |
| 52.5° | 128.3  | 127.9  | 125.6  | 118.2  | 107.4  | 108.5  | 108.5  | 111.6  | 112.4  | 115.1  | 122.9  |
| 55°   | 124.8  | 124.1  | 122.9  | 115.9  | 103.9  | 105.8  | 104.7  | 105.8  | 107.8  | 110.5  | 119.0  |
| 57.5° | 121.7  | 120.2  | 120.2  | 114.0  | 101.2  | 102.0  | 99.2   | 100.8  | 103.1  | 105.4  | 114.4  |
| 60°   | 118.6  | 117.1  | 117.8  | 111.3  | 96.9   | 96.1   | 95.0   | 98.1   | 98.9   | 101.6  | 110.5  |
| 62.5° | 115.1  | 114.0  | 114.4  | 108.2  | 93.8   | 91.9   | 91.9   | 94.6   | 95.0   | 98.9   | 107.4  |
| 65°   | 112.4  | 110.9  | 110.5  | 105.1  | 90.3   | 88.0   | 89.2   | 90.3   | 91.1   | 95.0   | 103.1  |
| 67.5° | 109.7  | 106.6  | 106.6  | 102.3  | 86.4   | 84.1   | 86.4   | 86.1   | 87.2   | 90.7   | 97.3   |
| 70°   | 106.2  | 102.0  | 102.3  | 100.4  | 82.6   | 79.9   | 81.8   | 81.4   | 82.2   | 84.5   | 91.1   |
| 72.5° | 100.8  | 97.3   | 98.1   | 97.3   | 78.7   | 74.8   | 75.6   | 75.6   | 75.6   | 77.5   | 84.5   |
| 75°   | 93.8   | 91.1   | 93.4   | 95.4   | 74.0   | 68.6   | 69.4   | 69.4   | 68.2   | 69.4   | 77.9   |
| 77.5° | 85.3   | 83.7   | 91.5   | 88.8   | 68.6   | 62.0   | 62.0   | 61.2   | 58.9   | 60.5   | 69.8   |
| 80°   | 76.0   | 74.8   | 84.5   | 74.4   | 62.4   | 53.9   | 53.1   | 51.2   | 48.8   | 50.0   | 59.3   |
| 82.5° | 66.3   | 65.1   | 70.9   | 57.0   | 53.9   | 44.6   | 42.6   | 39.2   | 36.8   | 38.0   | 46.5   |
| 85°   | 54.3   | 54.3   | 54.7   | 43.0   | 41.1   | 34.1   | 31.8   | 27.1   | 24.4   | 25.2   | 33.3   |
| 87.5° | 38.8   | 39.9   | 36.8   | 29.5   | 24.4   | 19.0   | 17.4   | 14.7   | 12.4   | 14.3   | 17.4   |
| 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):**

|       | 295°   | 305°   | 315°   | 325°   | 335°   | 345°   | 355°   | 360°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2382.5 | 2382.5 | 2382.5 | 2382.5 | 2382.5 | 2382.5 | 2382.5 | 2382.5 |
| 2.5°  | 2048.0 | 2090.6 | 2139.1 | 2201.1 | 2254.2 | 2341.5 | 2425.2 | 2475.6 |
| 5°    | 1531.2 | 1602.2 | 1690.6 | 1804.2 | 1910.0 | 2068.9 | 2226.7 | 2327.9 |
| 7.5°  | 1095.9 | 1171.9 | 1267.3 | 1409.1 | 1558.8 | 1761.5 | 1970.1 | 2091.0 |
| 10°   | 906.7  | 984.7  | 1064.9 | 1160.6 | 1283.1 | 1503.7 | 1750.3 | 1886.7 |
| 12.5° | 750.1  | 833.5  | 919.9  | 1020.7 | 1134.3 | 1331.2 | 1615.4 | 1772.4 |
| 15°   | 574.1  | 667.2  | 769.1  | 896.7  | 1038.9 | 1266.5 | 1582.0 | 1752.6 |
| 17.5° | 393.5  | 497.4  | 622.6  | 780.0  | 954.0  | 1245.5 | 1641.7 | 1838.3 |
| 20°   | 271.0  | 346.6  | 480.3  | 664.8  | 874.2  | 1242.8 | 1756.5 | 2002.6 |
| 22.5° | 226.8  | 260.5  | 358.2  | 559.0  | 814.1  | 1276.2 | 1934.4 | 2233.3 |
| 25°   | 209.7  | 229.9  | 286.1  | 467.1  | 770.3  | 1352.9 | 2179.4 | 2531.8 |
| 27.5° | 199.6  | 217.9  | 259.7  | 407.0  | 735.8  | 1442.1 | 2417.8 | 2821.0 |
| 30°   | 203.5  | 222.1  | 252.4  | 376.4  | 688.9  | 1516.5 | 2629.5 | 3046.6 |
| 32.5° | 183.4  | 191.5  | 216.3  | 349.3  | 655.1  | 1578.9 | 2814.8 | 3233.5 |
| 35°   | 156.2  | 170.6  | 193.1  | 336.5  | 655.9  | 1620.8 | 3016.8 | 3472.3 |
| 37.5° | 148.9  | 163.2  | 179.5  | 331.8  | 664.8  | 1665.4 | 3248.6 | 3752.1 |
| 40°   | 144.2  | 157.4  | 171.3  | 329.1  | 673.4  | 1706.1 | 3475.7 | 4028.9 |
| 42.5° | 141.1  | 153.1  | 170.6  | 319.8  | 677.6  | 1742.5 | 3662.6 | 4264.2 |
| 45°   | 140.7  | 153.1  | 173.7  | 310.5  | 684.2  | 1781.7 | 3819.2 | 4438.3 |
| 47.5° | 141.1  | 158.2  | 167.9  | 299.3  | 684.2  | 1847.2 | 4003.0 | 4593.7 |
| 50°   | 139.6  | 166.7  | 161.7  | 283.4  | 668.3  | 1971.2 | 4254.9 | 4801.9 |
| 52.5° | 138.8  | 165.5  | 149.6  | 259.0  | 640.8  | 2168.2 | 4577.9 | 5088.8 |
| 55°   | 136.8  | 159.7  | 141.1  | 222.5  | 608.6  | 2382.9 | 4923.6 | 5428.0 |
| 57.5° | 134.9  | 141.5  | 136.5  | 190.7  | 559.0  | 2534.1 | 5161.7 | 5692.8 |
| 60°   | 151.2  | 123.7  | 132.6  | 175.2  | 492.7  | 2575.6 | 5152.4 | 5798.2 |
| 62.5° | 139.9  | 115.9  | 127.5  | 171.7  | 446.2  | 2459.3 | 4914.3 | 5741.2 |
| 65°   | 109.7  | 110.9  | 122.5  | 181.8  | 433.8  | 2151.1 | 4492.6 | 5478.0 |
| 67.5° | 100.4  | 105.8  | 117.5  | 194.6  | 435.0  | 1722.4 | 3862.2 | 4904.6 |
| 70°   | 94.6   | 100.4  | 111.6  | 201.2  | 438.1  | 1283.9 | 3053.6 | 3994.8 |
| 72.5° | 88.0   | 93.0   | 105.1  | 202.4  | 417.9  | 932.7  | 2353.5 | 2937.3 |
| 75°   | 80.2   | 84.9   | 95.8   | 176.4  | 346.2  | 647.0  | 1800.3 | 2009.6 |
| 77.5° | 71.3   | 74.8   | 84.1   | 136.1  | 257.0  | 414.0  | 1351.4 | 1468.1 |
| 80°   | 60.9   | 62.8   | 70.6   | 99.6   | 176.0  | 259.0  | 1069.2 | 1178.1 |
| 82.5° | 48.8   | 49.6   | 54.7   | 74.8   | 114.4  | 166.3  | 716.0  | 817.2  |
| 85°   | 34.5   | 34.5   | 37.6   | 54.3   | 77.9   | 105.4  | 388.8  | 431.1  |
| 87.5° | 16.3   | 16.7   | 16.7   | 29.8   | 40.7   | 53.5   | 89.5   | 55.0   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)