

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: P200513

Luminaire Tested: **GPC-AF-01-LED-E1-T3-7060-1200**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P200513  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24140)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GPC-AF-01-LED-E1-T3-7060-1200  
Description: GALLEON PEDESTRIAN LUMINAIRE  
(1) 70 CRI, 5700K, 1200mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6975 lumens  
Efficiency: N/A  
Efficacy: 104.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short - Full Cutoff  
BUG Rating: B1 - U0 - G2

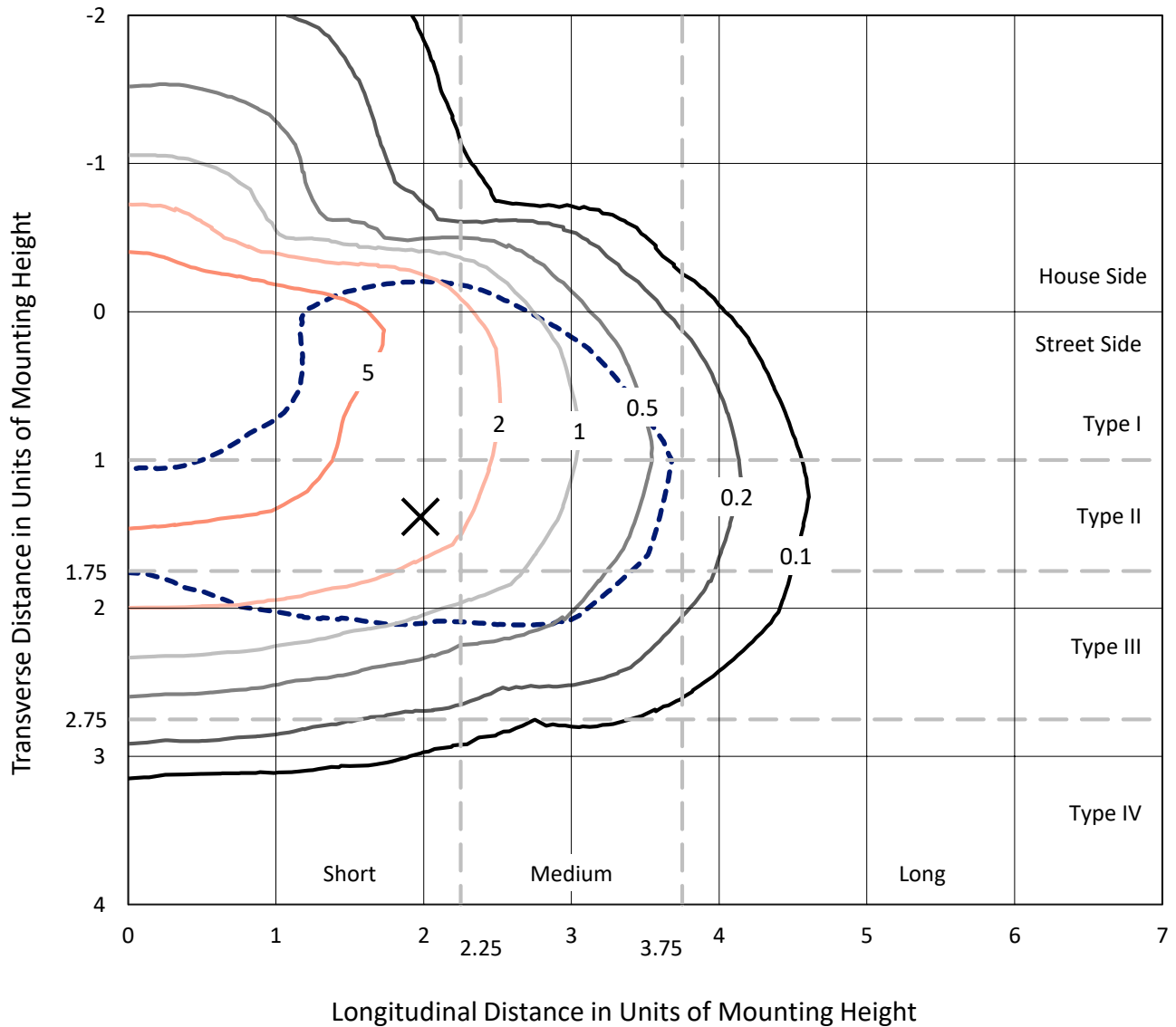
Input Watts (W): 67  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

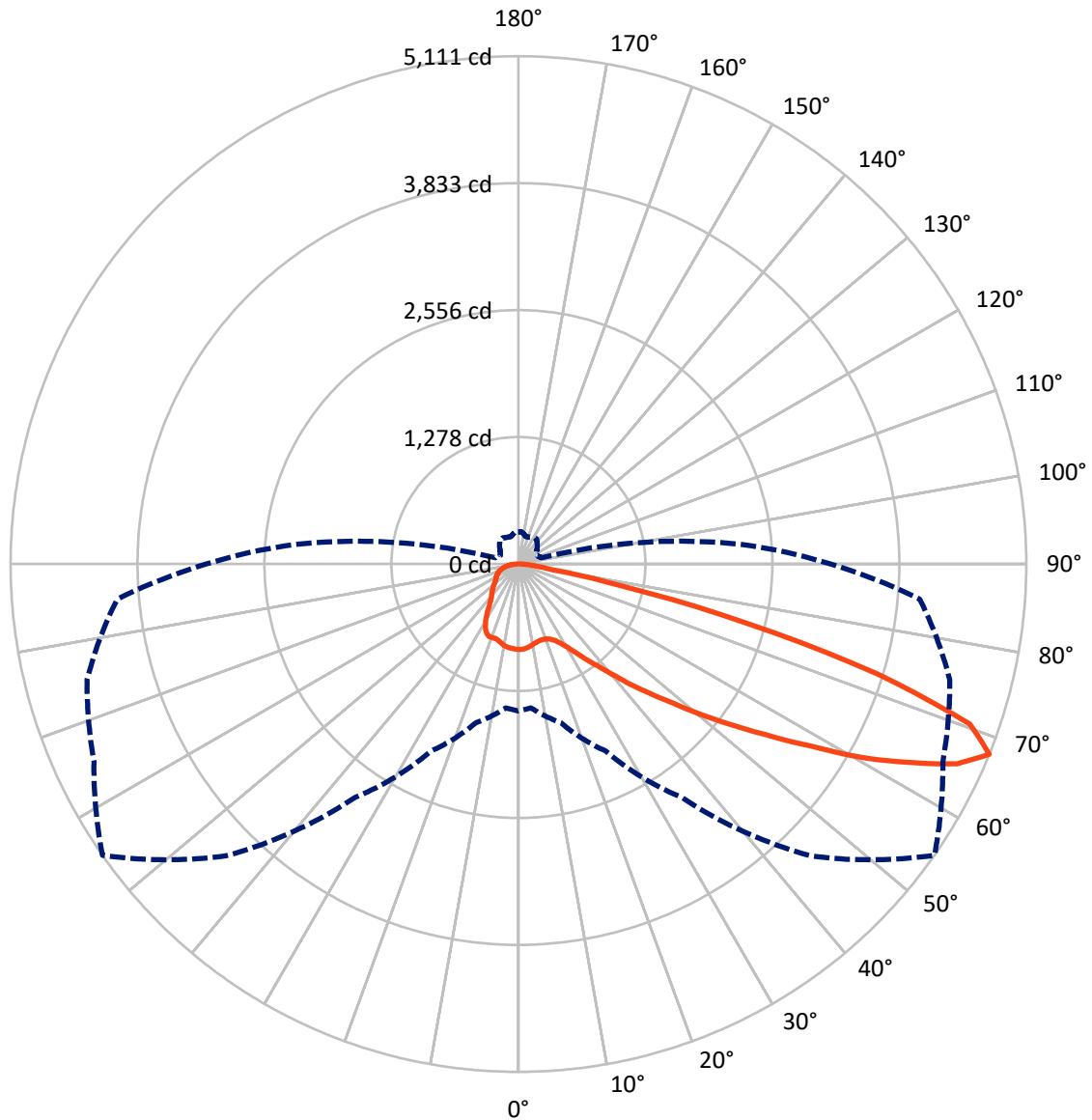
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.9 fc  
 Type III - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1506.7   | 0.0    | 1506.7 |
|                    | % Fixture | 21.6     | 0.0    | 21.6   |
| <b>Street Side</b> | Lumens    | 5468.2   | 0.0    | 5468.2 |
|                    | % Fixture | 78.4     | 0.0    | 78.4   |
| <b>Total</b>       | Lumens    | 6975.0   | 0.0    | 6975.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 80.3   | 1.2       |
| 10°-20°   | 227.4  | 3.3       |
| 20°-30°   | 380.9  | 5.5       |
| 30°-40°   | 626.3  | 9.0       |
| 40°-50°   | 1054.3 | 15.1      |
| 50°-60°   | 1659.3 | 23.8      |
| 60°-70°   | 1980.3 | 28.4      |
| 70°-80°   | 850.4  | 12.2      |
| 80°-90°   | 115.9  | 1.7       |
| 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°    | 6975.0 | 100.0     |
| 0°-180°   | 6975.0 | 100.0     |



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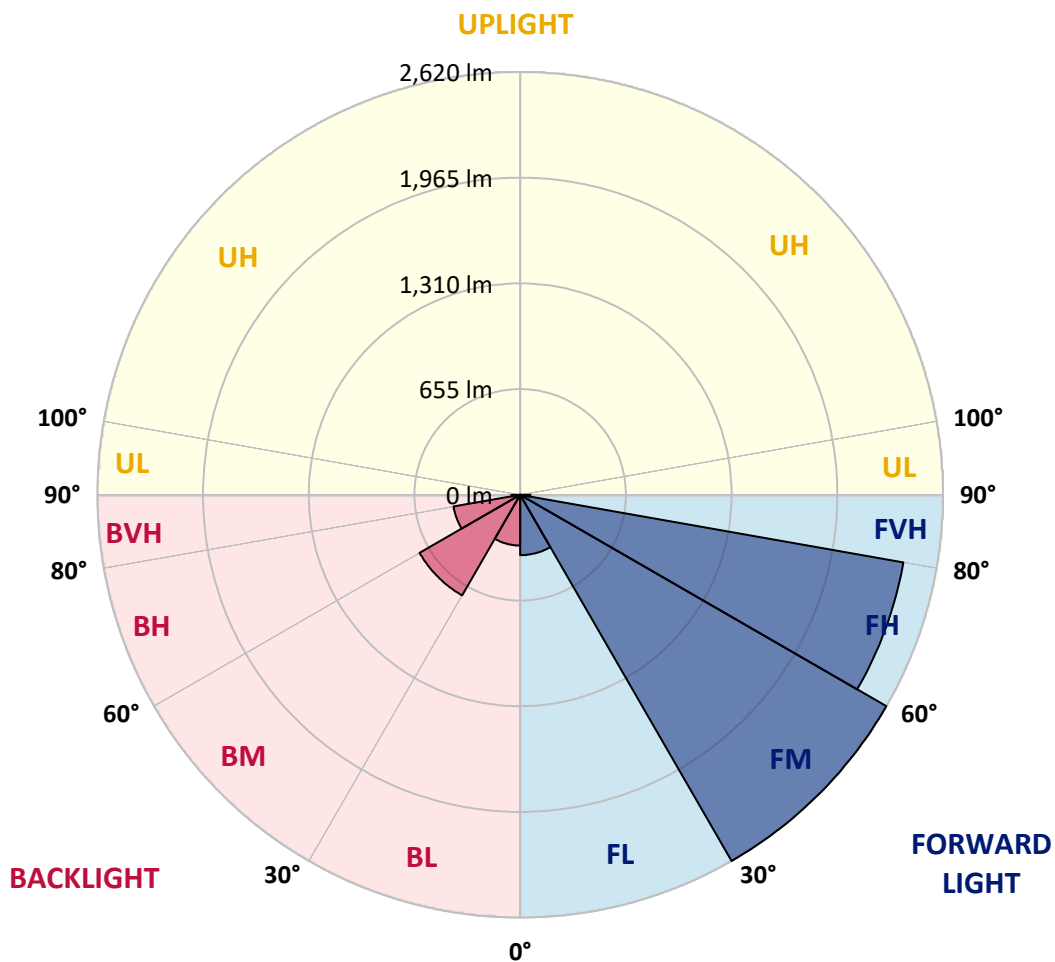
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 373.9  | 5.4       |                         |      |         |
| FM   | (30°-60°)   | 2620.3 | 37.6      |                         |      |         |
| FH   | (60°-80°)   | 2411.3 | 34.6      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 62.8   | 0.9       |                         |      | G1/100  |
| BL   | (0°-30°)    | 314.6  | 4.5       | B1/500                  |      |         |
| BM   | (30°-60°)   | 719.6  | 10.3      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 419.3  | 6.0       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 53.2   | 0.8       |                         |      | 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 III Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 860.1  | 860.1  | 860.1  | 860.1  | 860.1  | 860.1  | 860.1  | 860.1  | 860.1  | 860.1  | 860.1  |
| 2.5°  | 852.7  | 853.0  | 853.7  | 856.4  | 858.7  | 858.1  | 858.4  | 857.1  | 856.7  | 854.7  | 856.7  |
| 5°    | 841.9  | 842.9  | 843.2  | 847.6  | 850.3  | 851.0  | 850.0  | 848.3  | 846.3  | 844.3  | 845.3  |
| 7.5°  | 817.3  | 820.0  | 820.3  | 826.4  | 830.8  | 836.5  | 836.8  | 837.2  | 836.2  | 834.8  | 836.8  |
| 10°   | 801.8  | 802.5  | 802.1  | 806.5  | 809.9  | 816.3  | 820.0  | 826.4  | 829.1  | 829.8  | 831.1  |
| 12.5° | 800.8  | 800.1  | 799.1  | 799.1  | 798.1  | 800.8  | 807.5  | 816.6  | 823.0  | 825.1  | 826.7  |
| 15°   | 811.6  | 811.2  | 807.9  | 802.8  | 796.4  | 794.4  | 800.1  | 810.2  | 818.7  | 823.0  | 824.7  |
| 17.5° | 835.8  | 833.8  | 828.4  | 817.0  | 803.2  | 797.8  | 798.4  | 806.9  | 816.6  | 822.4  | 824.0  |
| 20°   | 880.3  | 880.3  | 868.9  | 847.3  | 822.7  | 809.9  | 803.8  | 808.9  | 818.3  | 826.1  | 828.4  |
| 22.5° | 957.1  | 957.8  | 938.6  | 903.2  | 861.8  | 834.5  | 819.3  | 818.3  | 829.4  | 838.2  | 840.9  |
| 25°   | 1065.9 | 1063.2 | 1036.3 | 985.8  | 922.8  | 877.6  | 851.3  | 845.3  | 854.7  | 864.5  | 867.8  |
| 27.5° | 1192.6 | 1182.8 | 1150.8 | 1089.9 | 1008.3 | 942.3  | 901.9  | 892.1  | 901.2  | 912.3  | 915.7  |
| 30°   | 1317.9 | 1307.8 | 1269.8 | 1203.1 | 1112.4 | 1028.9 | 970.9  | 955.1  | 967.9  | 983.7  | 985.8  |
| 32.5° | 1443.3 | 1443.3 | 1400.8 | 1323.0 | 1224.3 | 1132.3 | 1062.9 | 1044.0 | 1065.3 | 1084.5 | 1088.8 |
| 35°   | 1593.2 | 1593.9 | 1552.8 | 1459.1 | 1353.0 | 1255.6 | 1179.1 | 1165.3 | 1197.3 | 1210.8 | 1221.2 |
| 37.5° | 1777.5 | 1781.2 | 1728.3 | 1615.1 | 1498.8 | 1396.4 | 1305.5 | 1286.6 | 1318.6 | 1355.3 | 1389.0 |
| 40°   | 1976.6 | 1981.3 | 1923.0 | 1783.5 | 1667.3 | 1560.2 | 1461.8 | 1427.8 | 1481.0 | 1551.1 | 1594.5 |
| 42.5° | 2166.6 | 2190.8 | 2134.6 | 1991.1 | 1866.1 | 1755.2 | 1655.5 | 1606.0 | 1672.7 | 1778.5 | 1816.2 |
| 45°   | 2441.1 | 2458.7 | 2360.6 | 2230.6 | 2113.0 | 1989.0 | 1857.0 | 1804.7 | 1898.1 | 2031.5 | 2039.2 |
| 47.5° | 2624.1 | 2610.9 | 2561.1 | 2480.2 | 2405.8 | 2289.9 | 2091.1 | 2033.8 | 2157.8 | 2314.8 | 2271.3 |
| 50°   | 2721.4 | 2725.5 | 2718.7 | 2723.5 | 2726.2 | 2653.4 | 2378.1 | 2299.6 | 2447.5 | 2637.2 | 2537.2 |
| 52.5° | 2812.4 | 2785.5 | 2807.7 | 2918.2 | 3051.6 | 3024.6 | 2690.4 | 2608.6 | 2758.2 | 2995.0 | 2818.1 |
| 55°   | 2810.4 | 2769.3 | 2841.7 | 3036.8 | 3326.2 | 3357.2 | 3041.2 | 2946.8 | 3086.6 | 3378.7 | 3115.9 |
| 57.5° | 2711.0 | 2713.0 | 2824.5 | 3079.9 | 3517.5 | 3669.8 | 3448.1 | 3306.6 | 3435.0 | 3767.5 | 3387.8 |
| 60°   | 2574.2 | 2592.7 | 2753.4 | 3072.8 | 3670.8 | 3926.2 | 3947.4 | 3694.4 | 3776.3 | 4120.9 | 3612.9 |
| 62.5° | 2353.6 | 2373.1 | 2594.8 | 2999.4 | 3647.6 | 4173.1 | 4398.8 | 4134.4 | 4133.0 | 4335.2 | 3678.9 |
| 65°   | 2005.5 | 1999.8 | 2232.6 | 2724.8 | 3452.5 | 4355.7 | 4847.2 | 4514.7 | 4401.9 | 4338.5 | 3546.2 |
| 67.5° | 1479.0 | 1453.4 | 1653.1 | 2075.3 | 2869.7 | 4151.2 | 5111.0 | 4712.8 | 4493.5 | 4053.2 | 3140.5 |
| 70°   | 767.4  | 741.8  | 903.6  | 1211.8 | 1887.3 | 3239.9 | 4819.0 | 4610.4 | 4291.0 | 3397.6 | 2460.3 |
| 72.5° | 328.1  | 323.8  | 389.5  | 531.6  | 913.0  | 1868.8 | 3778.6 | 3990.5 | 3681.9 | 2531.4 | 1691.6 |
| 75°   | 220.7  | 219.3  | 243.9  | 289.7  | 410.7  | 758.4  | 2364.7 | 2832.6 | 2693.8 | 1569.6 | 951.4  |
| 77.5° | 173.2  | 171.5  | 186.0  | 208.2  | 266.1  | 299.2  | 1049.4 | 1520.7 | 1407.5 | 683.2  | 416.4  |
| 80°   | 135.4  | 134.1  | 143.2  | 155.3  | 191.4  | 188.7  | 345.3  | 605.1  | 468.3  | 261.8  | 202.5  |
| 82.5° | 106.8  | 106.8  | 114.2  | 114.5  | 135.8  | 128.7  | 180.2  | 266.5  | 233.8  | 152.6  | 124.0  |
| 85°   | 97.7   | 97.7   | 105.4  | 85.6   | 88.6   | 81.2   | 111.8  | 158.0  | 148.2  | 62.7   | 53.9   |
| 87.5° | 49.2   | 47.8   | 88.6   | 75.8   | 48.2   | 43.1   | 54.6   | 76.5   | 82.2   | 34.7   | 27.0   |
| 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°  |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 860.1  | 860.1  | 860.1 | 860.1 | 860.1 | 860.1 | 860.1 | 860.1 | 860.1 | 860.1 |
| 2.5°  | 856.1  | 855.7  | 856.4 | 856.7 | 859.4 | 863.1 | 864.8 | 867.2 | 868.5 | 867.8 |
| 5°    | 845.9  | 846.6  | 849.3 | 851.3 | 856.1 | 862.1 | 865.5 | 868.2 | 870.5 | 869.5 |
| 7.5°  | 837.5  | 839.2  | 843.2 | 844.9 | 847.6 | 849.3 | 849.0 | 850.0 | 852.0 | 849.6 |
| 10°   | 832.8  | 834.8  | 837.9 | 835.5 | 829.1 | 820.0 | 811.6 | 807.2 | 808.5 | 806.9 |
| 12.5° | 828.1  | 830.8  | 828.4 | 817.3 | 799.5 | 787.7 | 781.3 | 781.9 | 785.0 | 785.6 |
| 15°   | 825.4  | 826.4  | 816.3 | 795.4 | 777.2 | 775.5 | 778.9 | 778.2 | 778.6 | 778.6 |
| 17.5° | 825.4  | 822.7  | 803.8 | 782.9 | 775.2 | 772.2 | 761.7 | 748.6 | 742.9 | 740.8 |
| 20°   | 829.8  | 822.7  | 799.8 | 786.0 | 769.1 | 743.2 | 715.6 | 691.3 | 680.5 | 677.5 |
| 22.5° | 842.9  | 830.8  | 811.2 | 787.3 | 739.5 | 696.0 | 652.2 | 623.3 | 603.7 | 600.3 |
| 25°   | 869.5  | 856.1  | 833.8 | 769.5 | 692.3 | 630.3 | 580.5 | 548.1 | 528.6 | 525.9 |
| 27.5° | 916.0  | 907.3  | 845.9 | 730.1 | 629.7 | 563.3 | 517.1 | 492.2 | 477.7 | 476.7 |
| 30°   | 986.1  | 981.7  | 839.9 | 671.8 | 552.5 | 498.3 | 476.0 | 461.5 | 450.8 | 450.4 |
| 32.5° | 1097.9 | 1062.6 | 820.0 | 600.7 | 482.1 | 452.1 | 443.0 | 434.3 | 425.8 | 425.8 |
| 35°   | 1241.8 | 1127.9 | 782.3 | 524.5 | 439.3 | 426.5 | 415.1 | 401.2 | 390.1 | 389.5 |
| 37.5° | 1410.9 | 1168.4 | 714.6 | 463.2 | 419.1 | 409.3 | 392.5 | 371.9 | 352.4 | 349.0 |
| 40°   | 1581.7 | 1180.5 | 619.2 | 425.5 | 406.3 | 392.1 | 371.6 | 347.3 | 328.5 | 327.5 |
| 42.5° | 1738.4 | 1157.2 | 518.1 | 399.6 | 393.5 | 374.6 | 353.1 | 331.5 | 316.7 | 316.3 |
| 45°   | 1869.8 | 1096.9 | 433.2 | 375.0 | 380.0 | 358.8 | 339.6 | 322.1 | 310.6 | 308.3 |
| 47.5° | 1993.4 | 1011.7 | 373.6 | 349.0 | 366.5 | 350.0 | 333.9 | 317.4 | 306.2 | 304.6 |
| 50°   | 2136.9 | 919.7  | 331.8 | 323.8 | 354.8 | 347.0 | 338.6 | 321.4 | 302.9 | 300.8 |
| 52.5° | 2310.8 | 840.2  | 299.2 | 301.5 | 345.7 | 351.0 | 350.7 | 332.9 | 300.5 | 297.8 |
| 55°   | 2504.8 | 752.0  | 274.6 | 283.3 | 341.9 | 358.5 | 353.7 | 343.6 | 302.5 | 298.5 |
| 57.5° | 2695.8 | 648.9  | 257.4 | 269.5 | 336.6 | 357.8 | 339.3 | 324.8 | 307.2 | 301.5 |
| 60°   | 2839.0 | 510.4  | 244.2 | 257.4 | 324.8 | 346.7 | 323.4 | 304.2 | 306.2 | 301.9 |
| 62.5° | 2848.4 | 394.5  | 228.4 | 246.9 | 306.9 | 335.5 | 313.0 | 295.1 | 310.6 | 306.6 |
| 65°   | 2681.0 | 298.2  | 213.3 | 234.5 | 287.7 | 328.5 | 302.9 | 290.1 | 319.7 | 315.3 |
| 67.5° | 2257.2 | 239.9  | 200.5 | 221.7 | 268.5 | 313.6 | 293.8 | 285.4 | 327.8 | 320.1 |
| 70°   | 1629.6 | 204.5  | 188.0 | 206.2 | 251.3 | 296.8 | 285.7 | 276.9 | 305.9 | 293.8 |
| 72.5° | 1003.3 | 177.2  | 173.8 | 185.6 | 238.2 | 279.3 | 273.6 | 261.1 | 275.6 | 265.8 |
| 75°   | 501.0  | 153.6  | 158.0 | 165.4 | 219.7 | 259.4 | 253.3 | 240.9 | 242.9 | 240.9 |
| 77.5° | 239.9  | 131.4  | 139.5 | 145.2 | 195.7 | 236.8 | 230.4 | 217.6 | 215.3 | 215.6 |
| 80°   | 151.9  | 109.8  | 117.6 | 121.6 | 174.8 | 210.6 | 204.2 | 191.4 | 218.3 | 202.5 |
| 82.5° | 95.0   | 89.3   | 91.3  | 98.7  | 152.3 | 183.3 | 174.8 | 163.4 | 196.7 | 155.6 |
| 85°   | 52.6   | 62.3   | 65.0  | 71.4  | 117.2 | 153.3 | 144.9 | 130.4 | 116.9 | 114.9 |
| 87.5° | 31.3   | 37.1   | 38.1  | 42.8  | 78.8  | 110.8 | 98.0  | 93.0  | 77.1  | 76.8  |
| 90°   | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)