

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: P200003

Luminaire Tested: **GPC-AF-01-LED-E1-SLR-7030-600**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P200003  
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: GPC-AF-01-LED-E1-SLR-7030-600  
Description: GALLEON PEDESTRIAN LUMINAIRE  
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3559.7 lumens  
Efficiency: N/A  
Efficacy: 104.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G1

Input Watts (W): 34  
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

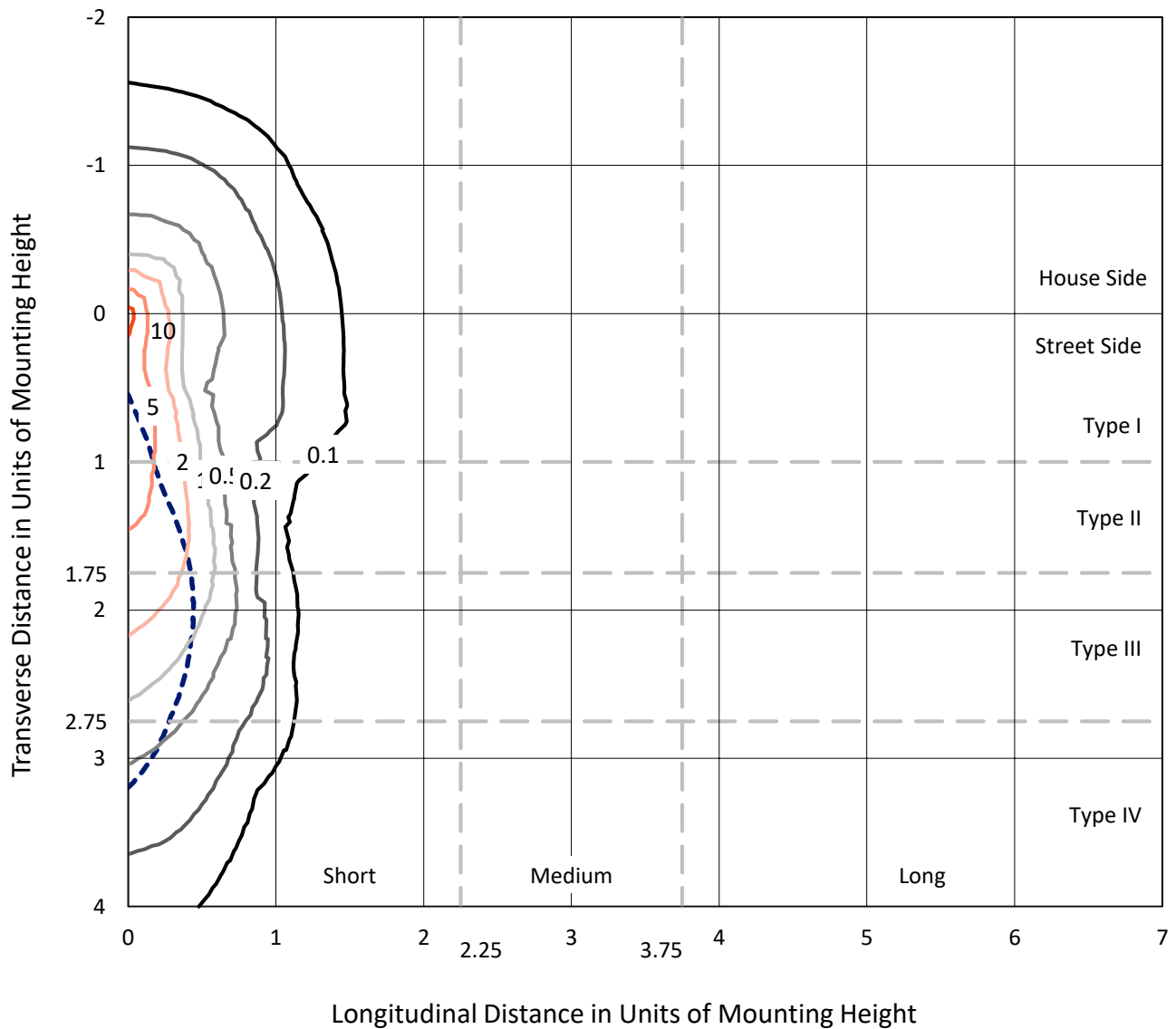


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### Iso-Footcandle Lines of Horizontal Illumination

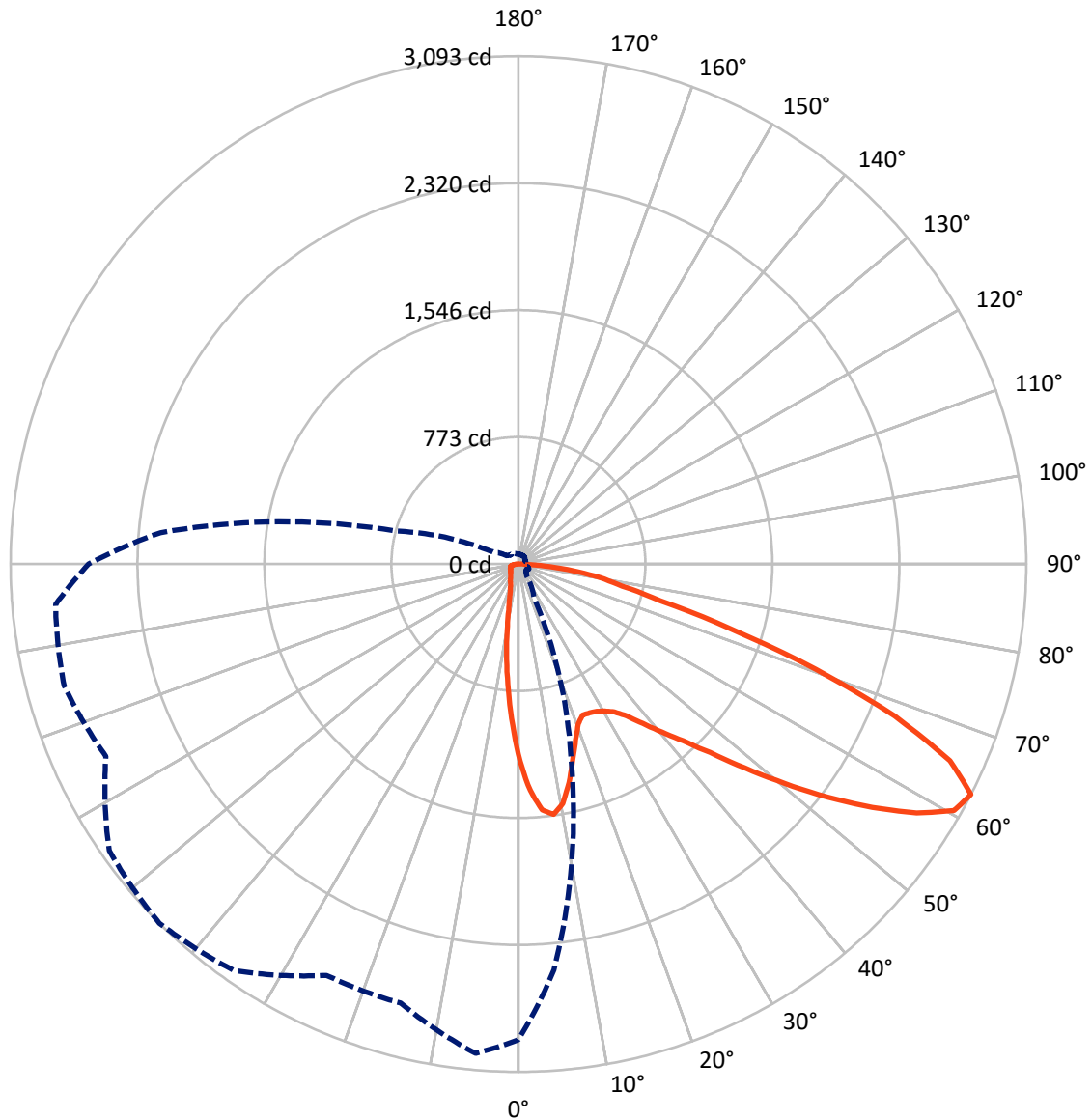
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 589.1    | 0.0    | 589.1  |
|                    | % Fixture | 16.5     | 0.0    | 16.5   |
| <b>Street Side</b> | Lumens    | 2970.6   | 0.0    | 2970.6 |
|                    | % Fixture | 83.5     | 0.0    | 83.5   |
| <b>Total</b>       | Lumens    | 3559.7   | 0.0    | 3559.7 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 87.5   | 2.5       |
| 10°-20°   | 160.5  | 4.5       |
| 20°-30°   | 234.1  | 6.6       |
| 30°-40°   | 360.5  | 10.1      |
| 40°-50°   | 530.5  | 14.9      |
| 50°-60°   | 778.2  | 21.9      |
| 60°-70°   | 869.9  | 24.4      |
| 70°-80°   | 425.9  | 12.0      |
| 80°-90°   | 112.4  | 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°    | 3559.7 | 100.0     |
| 0°-180°   | 3559.7 | 100.0     |

**Coefficient of Utilization**



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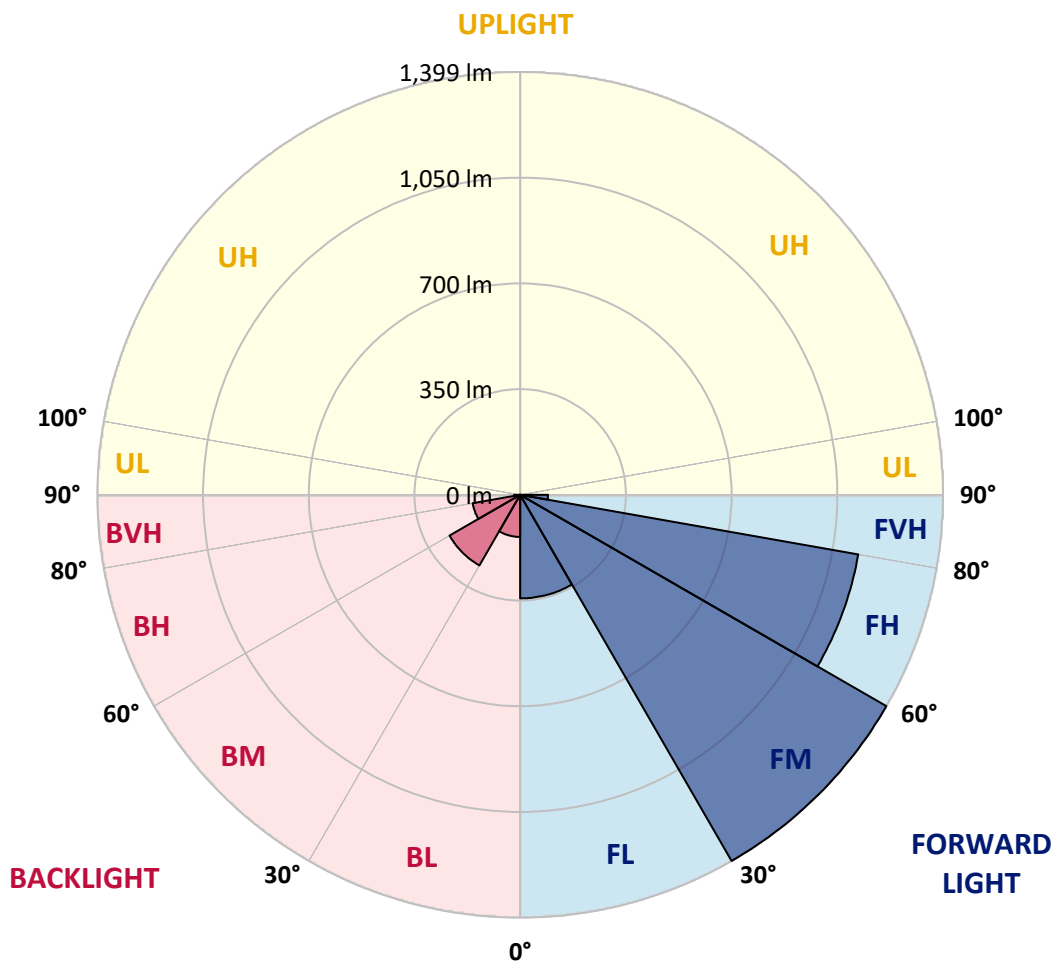
CATALOG NUMBER: GPC-AF-01-LED-E1-SLR-7030-600

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 342.8  | 9.6       |                         |      |         |
| FM   | (30°-60°)   | 1399.3 | 39.3      |                         |      |         |
| FH   | (60°-80°)   | 1136.1 | 31.9      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 92.3   | 2.6       |                         |      | G1/100  |
| BL   | (0°-30°)    | 139.4  | 3.9       | B1/500                  |      |         |
| BM   | (30°-60°)   | 269.9  | 7.6       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 159.7  | 4.5       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 20.1   | 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-G1**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1202.6 | 1202.6 | 1202.6 | 1202.6 | 1202.6 | 1202.6 | 1202.6 | 1202.6 | 1202.6 | 1202.6 | 1202.6 |
| 2.5°  | 1249.6 | 1224.1 | 1181.8 | 1137.8 | 1111.0 | 1079.8 | 1055.3 | 1033.8 | 990.8  | 982.4  | 989.9  |
| 5°    | 1175.1 | 1124.0 | 1044.3 | 964.1  | 910.6  | 853.4  | 808.7  | 772.9  | 718.4  | 708.8  | 720.3  |
| 7.5°  | 1055.5 | 994.5  | 889.2  | 786.7  | 711.3  | 639.7  | 591.5  | 553.2  | 510.6  | 492.1  | 493.3  |
| 10°   | 952.4  | 883.5  | 759.1  | 647.7  | 585.8  | 537.5  | 497.0  | 457.7  | 414.4  | 386.1  | 378.2  |
| 12.5° | 894.7  | 815.4  | 672.0  | 572.5  | 515.2  | 464.4  | 420.7  | 378.7  | 332.4  | 303.5  | 295.3  |
| 15°   | 884.7  | 798.5  | 639.2  | 524.5  | 452.7  | 388.2  | 336.7  | 289.7  | 242.2  | 218.7  | 213.9  |
| 17.5° | 927.9  | 828.7  | 628.7  | 481.7  | 393.7  | 314.2  | 251.1  | 198.7  | 159.8  | 148.1  | 147.2  |
| 20°   | 1010.8 | 886.6  | 627.3  | 441.3  | 335.7  | 242.4  | 175.0  | 136.8  | 119.7  | 116.5  | 116.6  |
| 22.5° | 1127.3 | 976.4  | 644.2  | 411.0  | 282.2  | 180.9  | 131.5  | 114.5  | 107.8  | 104.7  | 104.7  |
| 25°   | 1278.0 | 1100.1 | 682.9  | 388.9  | 235.8  | 144.4  | 116.1  | 105.9  | 99.7   | 97.5   | 97.8   |
| 27.5° | 1423.9 | 1220.4 | 727.8  | 371.4  | 205.5  | 131.1  | 110.1  | 100.7  | 95.3   | 93.1   | 94.1   |
| 30°   | 1537.9 | 1327.3 | 765.5  | 347.8  | 190.0  | 127.4  | 112.1  | 102.7  | 94.9   | 91.6   | 91.8   |
| 32.5° | 1632.2 | 1420.8 | 797.0  | 330.7  | 176.4  | 109.2  | 96.7   | 92.6   | 91.6   | 87.6   | 85.7   |
| 35°   | 1752.7 | 1522.7 | 818.2  | 331.0  | 169.9  | 97.5   | 86.1   | 78.8   | 73.5   | 69.1   | 69.1   |
| 37.5° | 1894.0 | 1639.8 | 840.6  | 335.7  | 167.5  | 90.5   | 82.4   | 75.2   | 70.3   | 66.0   | 65.1   |
| 40°   | 2033.8 | 1754.4 | 861.2  | 339.9  | 166.2  | 86.6   | 79.4   | 72.7   | 68.3   | 64.0   | 62.9   |
| 42.5° | 2152.5 | 1848.7 | 879.5  | 342.1  | 161.4  | 86.1   | 77.2   | 71.2   | 66.9   | 62.3   | 61.0   |
| 45°   | 2240.4 | 1927.9 | 899.3  | 345.4  | 156.8  | 87.6   | 77.2   | 71.0   | 65.8   | 61.3   | 60.1   |
| 47.5° | 2318.8 | 2020.6 | 932.4  | 345.4  | 151.1  | 84.6   | 79.9   | 71.2   | 65.5   | 60.8   | 59.9   |
| 50°   | 2423.9 | 2147.8 | 995.1  | 337.4  | 143.0  | 81.6   | 84.1   | 70.5   | 63.8   | 60.1   | 58.9   |
| 52.5° | 2568.6 | 2310.9 | 1094.4 | 323.4  | 130.7  | 75.5   | 83.6   | 70.0   | 62.1   | 58.1   | 56.7   |
| 55°   | 2739.9 | 2485.3 | 1202.8 | 307.2  | 112.3  | 71.2   | 80.7   | 69.1   | 60.1   | 55.7   | 54.4   |
| 57.5° | 2873.5 | 2605.5 | 1279.2 | 282.2  | 96.2   | 68.9   | 71.4   | 68.1   | 57.7   | 53.2   | 52.0   |
| 60°   | 2926.7 | 2600.8 | 1300.0 | 248.7  | 88.5   | 66.9   | 62.4   | 76.3   | 55.7   | 51.3   | 49.9   |
| 62.5° | 2898.0 | 2480.6 | 1241.4 | 225.2  | 86.7   | 64.4   | 58.5   | 70.7   | 54.2   | 49.9   | 48.0   |
| 65°   | 2765.2 | 2267.7 | 1085.8 | 218.9  | 91.8   | 61.8   | 55.9   | 55.4   | 52.0   | 48.0   | 46.0   |
| 67.5° | 2475.7 | 1949.5 | 869.3  | 219.5  | 98.3   | 59.3   | 53.4   | 50.7   | 49.1   | 45.8   | 44.0   |
| 70°   | 2016.5 | 1541.3 | 648.1  | 221.1  | 101.6  | 56.4   | 50.7   | 47.7   | 46.0   | 42.6   | 41.5   |
| 72.5° | 1482.6 | 1187.9 | 470.8  | 211.0  | 102.1  | 53.0   | 47.0   | 44.5   | 42.6   | 39.2   | 38.1   |
| 75°   | 1014.4 | 908.7  | 326.5  | 174.7  | 89.0   | 48.3   | 42.8   | 40.5   | 39.4   | 35.1   | 34.4   |
| 77.5° | 741.0  | 682.1  | 209.0  | 129.7  | 68.8   | 42.5   | 37.8   | 36.0   | 35.2   | 30.5   | 29.7   |
| 80°   | 594.7  | 539.6  | 130.7  | 88.8   | 50.3   | 35.6   | 31.6   | 30.7   | 29.9   | 25.2   | 24.7   |
| 82.5° | 412.5  | 361.4  | 83.9   | 57.7   | 37.8   | 27.7   | 25.0   | 24.7   | 23.5   | 19.2   | 18.6   |
| 85°   | 217.7  | 196.2  | 53.2   | 39.4   | 27.5   | 19.0   | 17.4   | 17.4   | 16.8   | 12.7   | 12.3   |
| 87.5° | 27.8   | 45.3   | 27.0   | 20.5   | 15.1   | 8.4    | 8.4    | 8.2    | 8.8    | 7.2    | 6.2    |
| 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°    | 1202.6 | 1202.6 | 1202.6 | 1202.6 | 1202.6 | 1202.6 | 1202.6 | 1202.6 | 1202.6 | 1202.6 | 1202.6 |
| 2.5°  | 972.0  | 981.3  | 972.3  | 973.0  | 982.9  | 1012.7 | 1026.2 | 1037.3 | 1049.2 | 1057.1 | 1060.6 |
| 5°    | 704.4  | 726.3  | 733.7  | 749.4  | 772.6  | 810.4  | 825.6  | 836.5  | 843.8  | 848.1  | 849.8  |
| 7.5°  | 481.8  | 495.1  | 509.9  | 535.2  | 585.5  | 607.8  | 617.8  | 615.2  | 607.1  | 604.1  | 601.2  |
| 10°   | 363.2  | 358.0  | 355.2  | 369.1  | 409.7  | 432.2  | 439.3  | 432.4  | 428.0  | 429.0  | 433.9  |
| 12.5° | 281.4  | 272.2  | 261.0  | 259.5  | 286.3  | 306.5  | 311.0  | 311.3  | 319.6  | 326.8  | 337.5  |
| 15°   | 205.1  | 204.1  | 198.7  | 195.2  | 210.6  | 227.0  | 228.9  | 232.5  | 240.0  | 245.2  | 254.6  |
| 17.5° | 144.7  | 149.9  | 154.2  | 156.3  | 167.9  | 179.6  | 177.4  | 175.7  | 174.4  | 174.4  | 178.8  |
| 20°   | 116.6  | 120.1  | 125.6  | 131.8  | 143.6  | 151.9  | 146.5  | 139.6  | 134.4  | 132.9  | 133.4  |
| 22.5° | 105.1  | 107.8  | 110.9  | 116.5  | 127.0  | 132.6  | 127.0  | 122.0  | 116.8  | 115.0  | 114.5  |
| 25°   | 99.2   | 102.7  | 105.7  | 109.8  | 117.6  | 121.5  | 116.1  | 112.3  | 109.2  | 107.1  | 105.4  |
| 27.5° | 95.9   | 99.0   | 99.8   | 101.7  | 108.3  | 111.9  | 109.2  | 107.6  | 105.7  | 103.7  | 101.7  |
| 30°   | 92.4   | 91.8   | 90.3   | 90.5   | 95.9   | 99.4   | 99.2   | 99.7   | 99.4   | 98.8   | 98.5   |
| 32.5° | 84.3   | 83.1   | 82.0   | 83.1   | 88.1   | 91.2   | 91.3   | 92.3   | 92.3   | 92.0   | 93.5   |
| 35°   | 70.3   | 72.4   | 73.8   | 77.2   | 83.1   | 85.9   | 84.6   | 82.8   | 79.2   | 77.1   | 76.9   |
| 37.5° | 65.0   | 65.3   | 67.7   | 72.5   | 79.1   | 81.6   | 79.9   | 75.4   | 72.9   | 72.5   | 73.2   |
| 40°   | 62.4   | 62.9   | 64.1   | 68.8   | 75.2   | 77.7   | 76.2   | 72.7   | 70.7   | 70.5   | 71.4   |
| 42.5° | 60.6   | 61.0   | 61.8   | 65.0   | 70.3   | 73.4   | 73.5   | 71.2   | 68.8   | 68.9   | 69.8   |
| 45°   | 59.6   | 59.9   | 59.6   | 61.3   | 66.1   | 69.8   | 71.4   | 69.8   | 67.7   | 68.1   | 69.3   |
| 47.5° | 59.4   | 58.9   | 58.1   | 58.5   | 63.6   | 67.3   | 69.3   | 68.8   | 67.7   | 68.1   | 69.1   |
| 50°   | 58.7   | 57.4   | 56.4   | 56.2   | 61.3   | 65.1   | 66.9   | 66.9   | 67.3   | 68.1   | 69.1   |
| 52.5° | 56.4   | 54.7   | 54.7   | 54.2   | 59.6   | 63.4   | 64.6   | 64.8   | 65.3   | 66.7   | 68.1   |
| 55°   | 53.4   | 52.9   | 53.4   | 52.5   | 58.5   | 62.1   | 62.6   | 63.1   | 63.4   | 64.6   | 66.5   |
| 57.5° | 51.0   | 50.0   | 51.5   | 51.1   | 57.6   | 60.6   | 60.6   | 61.4   | 61.4   | 63.1   | 64.6   |
| 60°   | 49.5   | 48.0   | 48.5   | 48.9   | 56.2   | 59.4   | 59.1   | 59.9   | 60.3   | 61.6   | 62.9   |
| 62.5° | 47.7   | 46.3   | 46.3   | 47.3   | 54.6   | 57.7   | 57.6   | 58.1   | 59.6   | 60.1   | 61.3   |
| 65°   | 45.6   | 45.1   | 44.5   | 45.6   | 53.0   | 55.7   | 55.9   | 56.7   | 58.1   | 58.5   | 59.4   |
| 67.5° | 43.4   | 43.6   | 42.5   | 43.6   | 51.7   | 53.9   | 53.9   | 55.4   | 55.9   | 56.7   | 57.7   |
| 70°   | 41.1   | 41.3   | 40.3   | 41.6   | 50.7   | 51.7   | 51.5   | 53.6   | 54.0   | 54.6   | 55.6   |
| 72.5° | 38.1   | 38.1   | 37.8   | 39.8   | 49.1   | 49.5   | 49.1   | 51.0   | 51.1   | 51.7   | 52.0   |
| 75°   | 35.1   | 35.1   | 34.6   | 37.3   | 48.2   | 47.2   | 46.0   | 47.3   | 47.7   | 48.2   | 48.2   |
| 77.5° | 30.9   | 31.3   | 31.3   | 34.6   | 44.8   | 46.2   | 42.3   | 43.0   | 43.6   | 43.8   | 43.2   |
| 80°   | 25.7   | 26.8   | 27.2   | 31.4   | 37.5   | 42.6   | 37.8   | 38.4   | 38.6   | 38.6   | 37.8   |
| 82.5° | 19.7   | 21.6   | 22.5   | 27.2   | 28.7   | 35.8   | 32.9   | 33.5   | 32.9   | 31.6   | 31.3   |
| 85°   | 13.6   | 16.1   | 17.3   | 20.8   | 21.8   | 27.7   | 27.5   | 27.5   | 26.2   | 24.7   | 24.5   |
| 87.5° | 7.4    | 8.8    | 9.7    | 12.3   | 14.9   | 18.6   | 20.1   | 19.5   | 18.6   | 17.6   | 17.8   |
| 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°    | 1202.6 | 1202.6 | 1202.6 | 1202.6 | 1202.6 | 1202.6 | 1202.6 | 1202.6 | 1202.6 | 1202.6 | 1202.6 |
| 2.5°  | 1078.9 | 1105.6 | 1148.1 | 1180.5 | 1213.3 | 1244.7 | 1278.8 | 1304.8 | 1327.0 | 1335.4 | 1361.7 |
| 5°    | 867.6  | 901.0  | 941.0  | 1013.4 | 1064.7 | 1121.2 | 1186.5 | 1273.1 | 1306.3 | 1352.3 | 1427.7 |
| 7.5°  | 613.5  | 643.5  | 708.2  | 766.7  | 839.2  | 919.3  | 1007.6 | 1126.9 | 1170.6 | 1244.4 | 1367.1 |
| 10°   | 458.2  | 493.1  | 544.9  | 594.3  | 658.3  | 740.0  | 841.4  | 974.9  | 1027.9 | 1107.9 | 1249.3 |
| 12.5° | 369.1  | 410.4  | 465.3  | 511.7  | 561.1  | 619.0  | 717.4  | 863.7  | 934.7  | 1004.8 | 1147.7 |
| 15°   | 283.5  | 326.8  | 377.8  | 436.7  | 491.3  | 553.6  | 656.6  | 816.7  | 898.5  | 971.6  | 1093.4 |
| 17.5° | 196.2  | 233.3  | 297.6  | 359.0  | 429.0  | 508.6  | 639.8  | 826.8  | 924.5  | 1008.6 | 1102.9 |
| 20°   | 139.1  | 160.3  | 213.0  | 284.3  | 371.4  | 471.4  | 636.8  | 879.2  | 1006.2 | 1102.3 | 1163.2 |
| 22.5° | 117.0  | 124.9  | 155.5  | 220.9  | 321.6  | 443.6  | 647.7  | 952.7  | 1116.5 | 1239.2 | 1259.2 |
| 25°   | 106.6  | 111.3  | 127.4  | 173.4  | 277.1  | 423.5  | 684.7  | 1062.3 | 1253.1 | 1376.2 | 1372.8 |
| 27.5° | 100.9  | 105.9  | 116.5  | 146.4  | 243.6  | 411.0  | 721.6  | 1192.2 | 1409.3 | 1524.9 | 1481.1 |
| 30°   | 99.2   | 105.9  | 117.0  | 138.0  | 219.7  | 391.1  | 752.0  | 1306.3 | 1529.4 | 1625.3 | 1530.4 |
| 32.5° | 97.8   | 98.8   | 103.9  | 119.0  | 197.1  | 368.1  | 772.6  | 1408.7 | 1647.1 | 1720.9 | 1601.4 |
| 35°   | 79.1   | 83.9   | 92.3   | 106.6  | 183.8  | 354.2  | 772.6  | 1497.0 | 1762.9 | 1817.3 | 1669.2 |
| 37.5° | 76.2   | 80.5   | 87.6   | 100.0  | 176.4  | 347.3  | 757.0  | 1582.1 | 1881.2 | 1926.7 | 1724.8 |
| 40°   | 74.6   | 78.1   | 84.9   | 94.9   | 173.1  | 339.5  | 734.6  | 1657.3 | 1996.9 | 2036.3 | 1777.0 |
| 42.5° | 73.4   | 76.5   | 82.9   | 91.8   | 169.1  | 330.9  | 716.4  | 1717.4 | 2097.3 | 2129.8 | 1826.7 |
| 45°   | 72.7   | 76.2   | 83.1   | 93.3   | 160.8  | 319.6  | 710.3  | 1782.7 | 2179.8 | 2207.8 | 1880.5 |
| 47.5° | 72.7   | 76.7   | 84.1   | 96.7   | 151.1  | 307.8  | 729.3  | 1868.6 | 2258.0 | 2271.6 | 1943.8 |
| 50°   | 72.2   | 76.5   | 86.9   | 93.3   | 136.8  | 293.0  | 773.9  | 1976.7 | 2342.5 | 2344.0 | 2024.1 |
| 52.5° | 71.0   | 76.2   | 93.5   | 91.3   | 120.3  | 273.3  | 834.2  | 2115.7 | 2467.5 | 2476.9 | 2149.7 |
| 55°   | 69.7   | 75.5   | 91.8   | 86.9   | 106.8  | 250.1  | 883.5  | 2284.6 | 2643.2 | 2669.3 | 2334.5 |
| 57.5° | 67.8   | 74.8   | 88.8   | 80.7   | 98.0   | 220.1  | 901.3  | 2408.2 | 2765.9 | 2831.2 | 2542.7 |
| 60°   | 66.3   | 74.2   | 80.2   | 76.9   | 92.6   | 194.9  | 866.9  | 2383.8 | 2757.4 | 2898.4 | 2727.2 |
| 62.5° | 64.8   | 74.8   | 73.2   | 74.6   | 90.0   | 178.6  | 776.9  | 2187.9 | 2618.0 | 2829.2 | 2864.0 |
| 65°   | 63.1   | 69.5   | 69.1   | 72.5   | 89.4   | 172.2  | 644.0  | 1894.2 | 2348.3 | 2610.2 | 2896.3 |
| 67.5° | 60.6   | 64.1   | 66.1   | 70.0   | 91.3   | 166.5  | 519.7  | 1562.5 | 1973.7 | 2282.0 | 2727.9 |
| 70°   | 58.1   | 61.0   | 63.2   | 66.9   | 90.2   | 164.0  | 432.2  | 1232.2 | 1566.0 | 1870.3 | 2395.9 |
| 72.5° | 54.7   | 57.4   | 59.3   | 62.9   | 89.0   | 162.6  | 365.2  | 992.3  | 1169.2 | 1389.3 | 1948.0 |
| 75°   | 51.0   | 53.2   | 54.6   | 58.1   | 85.3   | 148.9  | 287.1  | 839.6  | 874.8  | 966.5  | 1551.6 |
| 77.5° | 46.3   | 48.2   | 49.2   | 53.2   | 75.5   | 123.9  | 207.6  | 647.7  | 679.4  | 701.7  | 1189.5 |
| 80°   | 41.1   | 42.8   | 43.4   | 47.2   | 62.6   | 96.9   | 135.4  | 478.4  | 508.2  | 513.3  | 776.9  |
| 82.5° | 35.1   | 36.8   | 36.8   | 40.3   | 51.3   | 69.7   | 88.8   | 327.8  | 333.7  | 350.8  | 549.0  |
| 85°   | 28.2   | 29.5   | 29.5   | 31.3   | 39.8   | 52.0   | 61.0   | 164.6  | 162.8  | 185.8  | 475.8  |
| 87.5° | 20.1   | 21.1   | 22.1   | 22.5   | 28.4   | 34.4   | 36.8   | 50.0   | 33.1   | 37.9   | 305.5  |
| 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):**

|       | 295°   | 305°   | 315°   | 325°   | 335°   | 345°   | 355°   | 360°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1202.6 | 1202.6 | 1202.6 | 1202.6 | 1202.6 | 1202.6 | 1202.6 | 1202.6 |
| 2.5°  | 1381.5 | 1392.6 | 1381.2 | 1373.1 | 1337.7 | 1308.5 | 1269.6 | 1249.6 |
| 5°    | 1485.1 | 1513.4 | 1503.9 | 1469.3 | 1395.4 | 1312.2 | 1217.7 | 1175.1 |
| 7.5°  | 1472.5 | 1538.5 | 1540.0 | 1475.6 | 1366.7 | 1244.1 | 1116.2 | 1055.5 |
| 10°   | 1375.0 | 1459.3 | 1483.4 | 1421.0 | 1305.4 | 1168.4 | 1021.7 | 952.4  |
| 12.5° | 1266.2 | 1348.8 | 1367.2 | 1345.6 | 1249.1 | 1111.5 | 962.6  | 894.7  |
| 15°   | 1177.2 | 1214.2 | 1236.2 | 1254.9 | 1200.6 | 1088.8 | 959.2  | 884.7  |
| 17.5° | 1122.9 | 1119.0 | 1125.2 | 1157.8 | 1167.0 | 1114.8 | 1010.1 | 927.9  |
| 20°   | 1103.4 | 1040.5 | 1039.0 | 1084.1 | 1151.1 | 1176.8 | 1109.5 | 1010.8 |
| 22.5° | 1114.2 | 1012.4 | 999.5  | 1052.9 | 1159.6 | 1266.2 | 1239.9 | 1127.3 |
| 25°   | 1151.4 | 1014.8 | 1004.4 | 1056.1 | 1190.2 | 1361.6 | 1380.5 | 1278.0 |
| 27.5° | 1209.9 | 1029.7 | 1016.0 | 1069.0 | 1230.6 | 1441.5 | 1519.0 | 1423.9 |
| 30°   | 1265.4 | 1055.5 | 1038.5 | 1094.4 | 1267.6 | 1473.3 | 1604.0 | 1537.9 |
| 32.5° | 1333.0 | 1103.8 | 1073.9 | 1141.2 | 1313.4 | 1523.7 | 1679.8 | 1632.2 |
| 35°   | 1399.1 | 1172.7 | 1135.5 | 1213.5 | 1364.4 | 1586.6 | 1766.1 | 1752.7 |
| 37.5° | 1471.7 | 1262.7 | 1232.0 | 1306.7 | 1434.3 | 1645.9 | 1876.5 | 1894.0 |
| 40°   | 1549.2 | 1382.1 | 1345.6 | 1443.0 | 1542.7 | 1720.2 | 1991.8 | 2033.8 |
| 42.5° | 1627.3 | 1514.6 | 1471.0 | 1569.7 | 1662.0 | 1793.6 | 2090.4 | 2152.5 |
| 45°   | 1716.7 | 1658.3 | 1637.8 | 1744.5 | 1776.3 | 1863.4 | 2163.3 | 2240.4 |
| 47.5° | 1820.8 | 1821.6 | 1854.6 | 1897.3 | 1891.9 | 1942.5 | 2236.4 | 2318.8 |
| 50°   | 1942.3 | 2025.3 | 2098.4 | 2126.6 | 2010.8 | 2027.5 | 2337.9 | 2423.9 |
| 52.5° | 2088.3 | 2268.9 | 2359.4 | 2340.8 | 2139.0 | 2131.1 | 2498.9 | 2568.6 |
| 55°   | 2270.9 | 2526.8 | 2616.6 | 2603.3 | 2286.4 | 2272.4 | 2699.2 | 2739.9 |
| 57.5° | 2482.2 | 2776.8 | 2859.4 | 2799.4 | 2463.2 | 2427.4 | 2865.0 | 2873.5 |
| 60°   | 2667.9 | 2974.7 | 3047.1 | 2980.8 | 2641.7 | 2592.4 | 2968.5 | 2926.7 |
| 62.5° | 2771.3 | 3041.9 | 3092.7 | 3021.3 | 2763.9 | 2768.1 | 2991.2 | 2898.0 |
| 65°   | 2725.0 | 2872.2 | 2888.6 | 2882.8 | 2732.5 | 2870.0 | 2909.6 | 2765.2 |
| 67.5° | 2472.2 | 2443.2 | 2470.9 | 2509.0 | 2462.4 | 2735.9 | 2683.5 | 2475.7 |
| 70°   | 2026.9 | 1867.8 | 1922.8 | 1948.4 | 1969.5 | 2354.2 | 2329.2 | 2016.5 |
| 72.5° | 1527.5 | 1308.5 | 1352.0 | 1346.6 | 1444.5 | 1888.3 | 1811.4 | 1482.6 |
| 75°   | 1082.3 | 887.1  | 892.6  | 890.6  | 1007.9 | 1477.4 | 1311.6 | 1014.4 |
| 77.5° | 757.2  | 642.8  | 645.7  | 657.8  | 677.6  | 1114.2 | 937.1  | 741.0  |
| 80°   | 520.7  | 487.9  | 504.1  | 505.0  | 469.6  | 748.4  | 692.2  | 594.7  |
| 82.5° | 387.9  | 339.1  | 335.2  | 340.9  | 368.1  | 606.4  | 532.1  | 412.5  |
| 85°   | 317.6  | 200.8  | 161.4  | 202.3  | 326.2  | 600.5  | 353.4  | 217.7  |
| 87.5° | 178.8  | 95.3   | 43.0   | 79.9   | 130.1  | 397.6  | 102.1  | 27.8   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)