

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: P301637

Luminaire Tested: **GLNA-AF-03-LED-E1-T2R-7060-800**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P301637  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P194759)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GLNA-AF-03-LED-E1-T2R-7060-800  
Description: GALLEONNAIRE AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 5700K CCT 800mA LIGHTSQUARE WITH 16 LEDS EACH AND Type II  
Roadway OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15240.2 lumens  
Efficiency: N/A  
Efficacy: 122.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short - Full Cutoff  
BUG Rating: B2 - U0 - G2

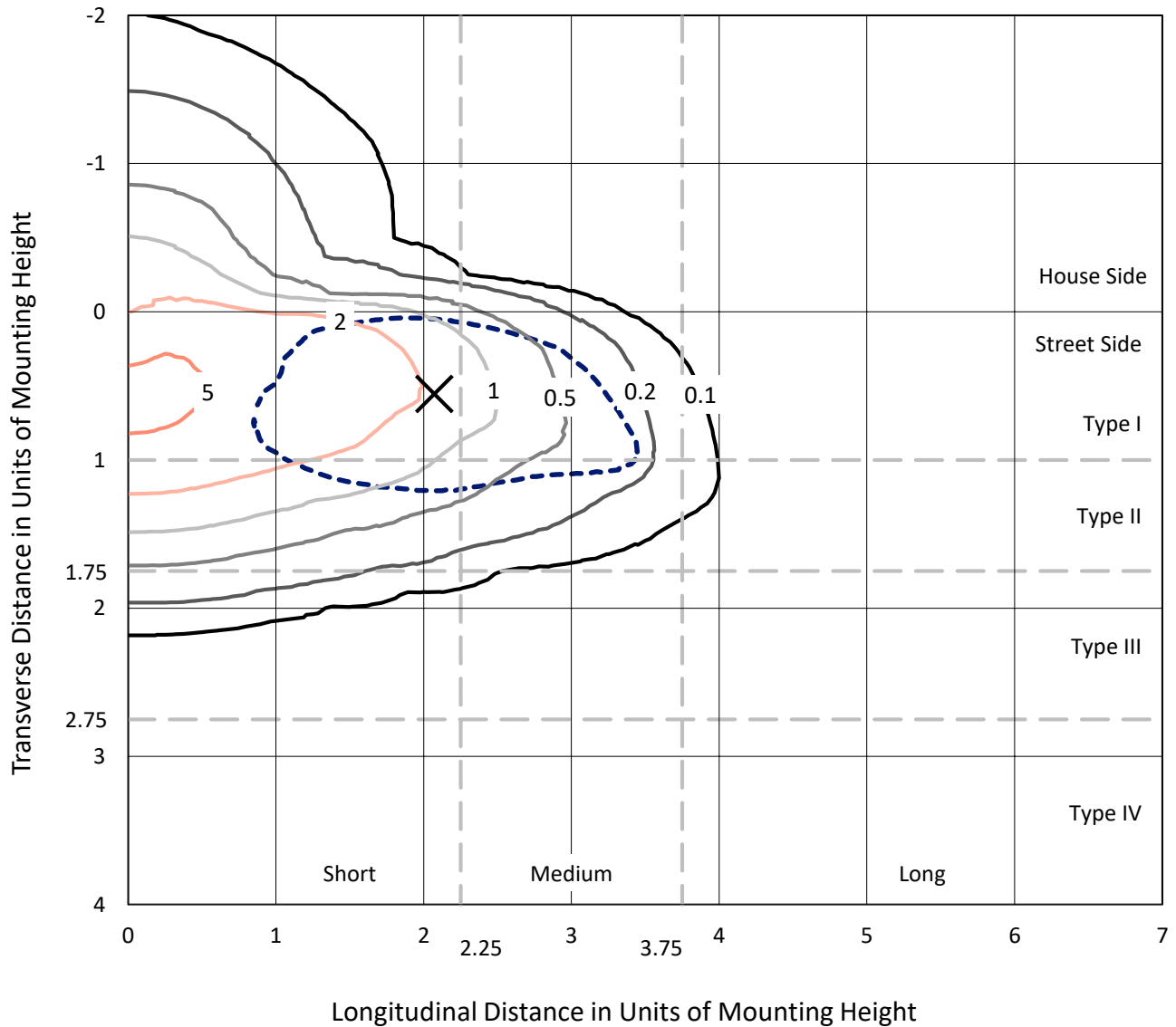
Input Watts (W): 124  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

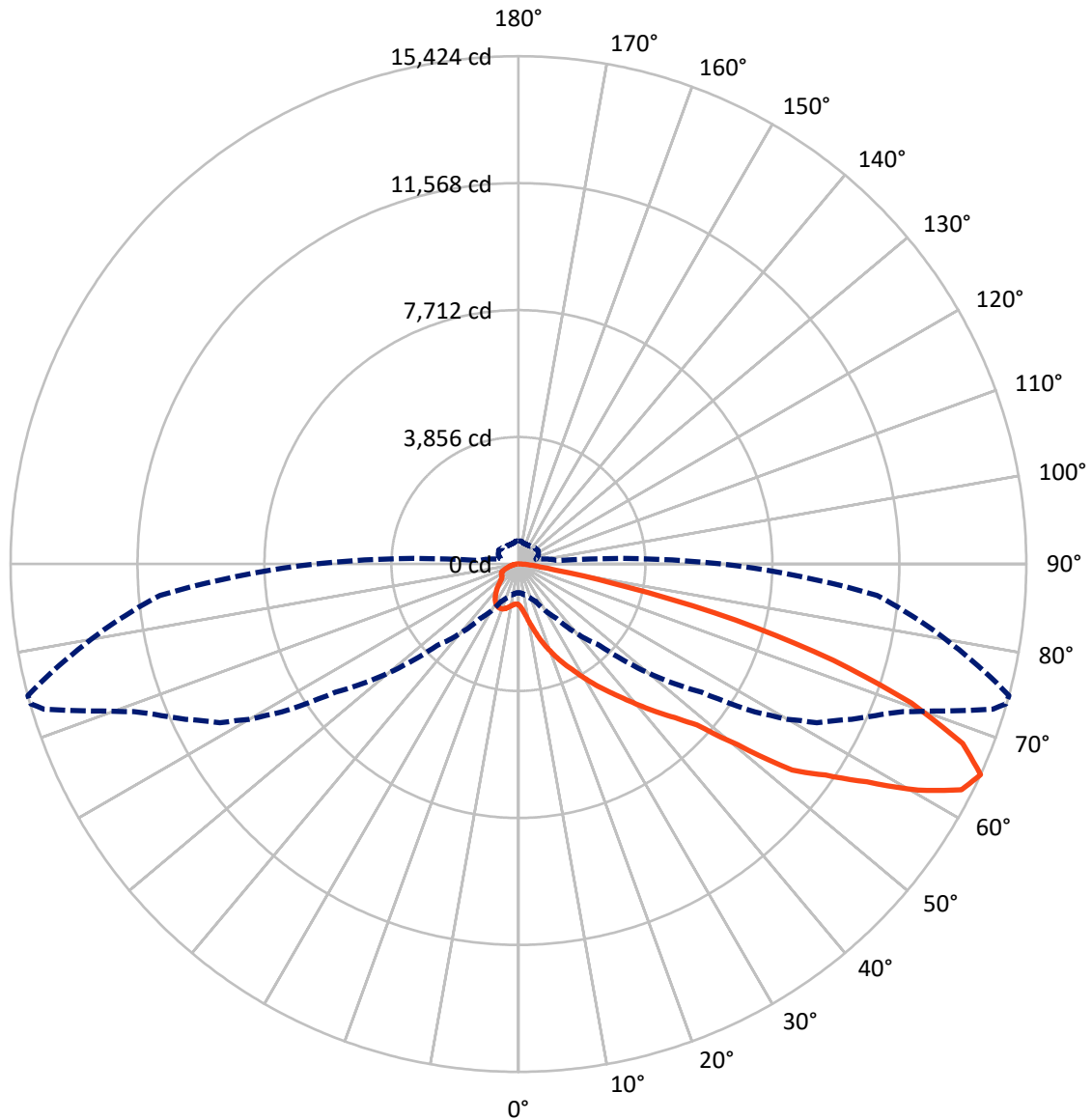
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc  
 Type II - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2349.7   | 0.0    | 2349.7  |
|                    | % Fixture | 15.4     | 0.0    | 15.4    |
| <b>Street Side</b> | Lumens    | 12890.6  | 0.0    | 12890.6 |
|                    | % Fixture | 84.6     | 0.0    | 84.6    |
| <b>Total</b>       | Lumens    | 15240.2  | 0.0    | 15240.2 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 153.1   | 1.0       |
| 10°-20°   | 598.2   | 3.9       |
| 20°-30°   | 1227.2  | 8.1       |
| 30°-40°   | 2064.7  | 13.5      |
| 40°-50°   | 2852.9  | 18.7      |
| 50°-60°   | 3561.3  | 23.4      |
| 60°-70°   | 3204.8  | 21.0      |
| 70°-80°   | 1343.4  | 8.8       |
| 80°-90°   | 234.7   | 1.5       |
| 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°    | 15240.2 | 100.0     |
| 0°-180°   | 15240.2 | 100.0     |

**Coefficient of Utilization**



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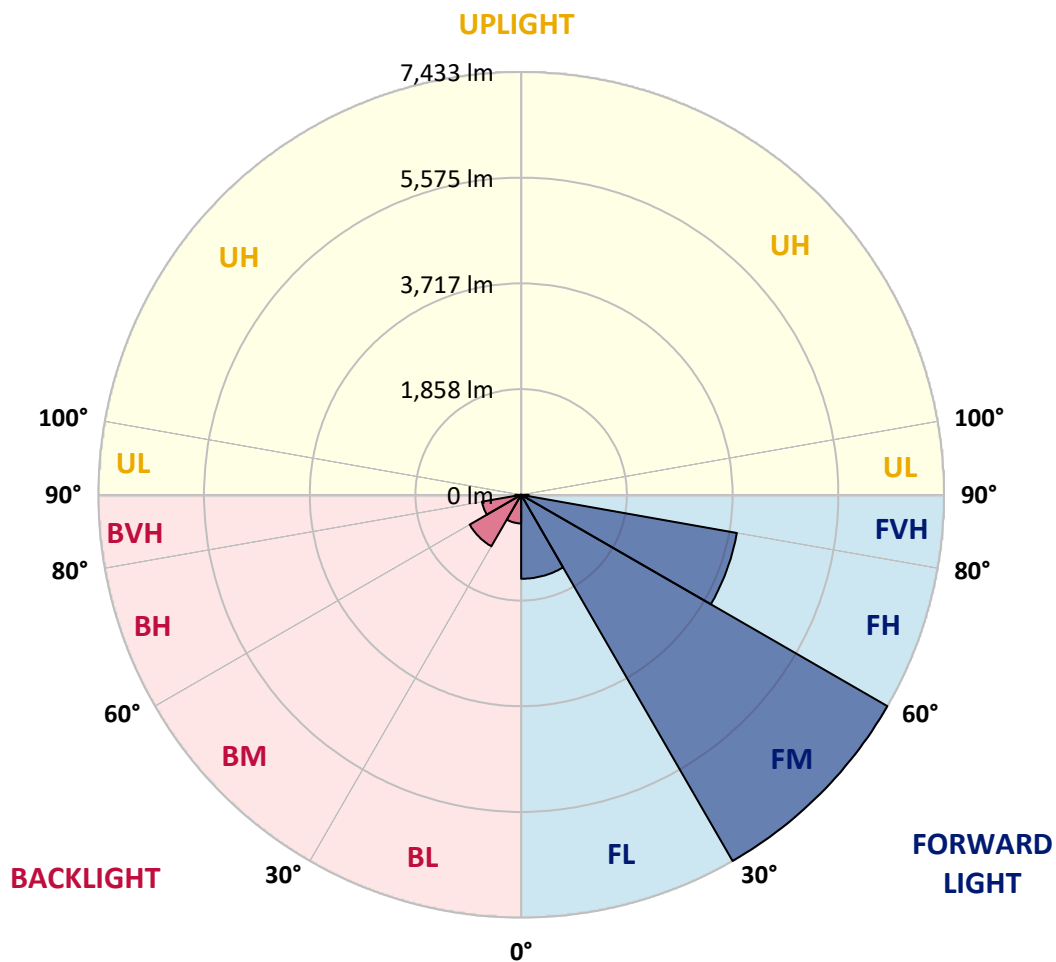
CATALOG NUMBER: GLNA-AF-03-LED-E1-T2R-7060-800

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 1476.0 | 9.7       |                         |      |         |
| FM (30°-60°)   | 7433.0 | 48.8      |                         |      |         |
| FH (60°-80°)   | 3849.6 | 25.3      |                         |      | G2/5000 |
| FVH (80°-90°)  | 131.9  | 0.9       |                         |      | G2/225  |
| BL (0°-30°)    | 502.5  | 3.3       | B2/1000                 |      |         |
| BM (30°-60°)   | 1045.9 | 6.9       | B2/2500                 |      |         |
| BH (60°-80°)   | 698.5  | 4.6       | B2/1000                 |      | G2/1000 |
| BVH (80°-90°)  | 102.8  | 0.7       |                         |      | G2/225  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 56°    | 57°     | 58°     | 59°     |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0°    | 1238.6 | 1238.6 | 1238.6 | 1238.6 | 1238.6 | 1238.6 | 1238.6 | 1238.6 | 1238.6  | 1238.6  | 1238.6  |
| 2.5°  | 1572.6 | 1555.3 | 1559.5 | 1530.7 | 1495.3 | 1449.1 | 1398.0 | 1397.3 | 1398.0  | 1392.8  | 1374.2  |
| 5°    | 2180.5 | 2159.8 | 2151.9 | 2086.8 | 1991.6 | 1856.1 | 1708.9 | 1693.1 | 1686.4  | 1670.0  | 1631.7  |
| 7.5°  | 2624.3 | 2612.8 | 2600.4 | 2551.4 | 2464.9 | 2313.4 | 2115.7 | 2081.9 | 2049.4  | 2041.4  | 1998.2  |
| 10°   | 2910.7 | 2907.7 | 2881.8 | 2868.7 | 2814.8 | 2683.4 | 2490.8 | 2458.3 | 2423.0  | 2410.8  | 2365.2  |
| 12.5° | 3137.1 | 3136.4 | 3124.2 | 3127.9 | 3080.8 | 2985.8 | 2819.7 | 2790.2 | 2764.3  | 2726.6  | 2694.3  |
| 15°   | 3293.7 | 3294.3 | 3312.5 | 3332.6 | 3325.4 | 3261.2 | 3105.4 | 3092.3 | 3070.1  | 3044.2  | 3005.9  |
| 17.5° | 3422.1 | 3425.7 | 3444.4 | 3481.2 | 3521.0 | 3515.8 | 3392.6 | 3381.7 | 3362.2  | 3326.9  | 3306.8  |
| 20°   | 3712.0 | 3725.7 | 3689.8 | 3689.8 | 3694.1 | 3713.5 | 3654.3 | 3645.7 | 3618.3  | 3599.5  | 3583.7  |
| 22.5° | 4201.9 | 4217.7 | 4136.2 | 4053.4 | 3971.8 | 3912.6 | 3853.5 | 3864.2 | 3845.6  | 3832.5  | 3823.1  |
| 25°   | 4838.1 | 4850.5 | 4718.4 | 4578.5 | 4412.4 | 4196.1 | 4049.7 | 4043.1 | 4033.0  | 4025.1  | 4020.8  |
| 27.5° | 5436.8 | 5441.9 | 5317.2 | 5112.2 | 4919.6 | 4608.7 | 4248.7 | 4240.8 | 4228.6  | 4213.4  | 4200.4  |
| 30°   | 5949.1 | 5947.6 | 5819.2 | 5623.6 | 5417.3 | 5073.2 | 4551.1 | 4526.5 | 4490.3  | 4449.2  | 4417.6  |
| 32.5° | 6392.7 | 6390.5 | 6249.7 | 6047.1 | 5830.7 | 5533.5 | 4965.2 | 4914.7 | 4858.4  | 4778.1  | 4730.0  |
| 35°   | 6741.7 | 6740.4 | 6607.5 | 6396.3 | 6148.1 | 5967.1 | 5439.8 | 5377.7 | 5306.3  | 5198.8  | 5124.6  |
| 37.5° | 6873.7 | 6873.7 | 6799.5 | 6655.2 | 6435.9 | 6311.8 | 5967.1 | 5891.9 | 5815.6  | 5693.6  | 5609.9  |
| 40°   | 6796.5 | 6798.0 | 6813.8 | 6787.3 | 6680.5 | 6585.3 | 6459.0 | 6414.3 | 6348.6  | 6239.0  | 6151.7  |
| 42.5° | 6537.5 | 6545.5 | 6651.0 | 6780.0 | 6833.3 | 6818.3 | 6895.3 | 6875.2 | 6829.0  | 6744.7  | 6675.4  |
| 45°   | 6209.3 | 6233.9 | 6349.2 | 6593.2 | 6875.9 | 7019.4 | 7261.0 | 7263.2 | 7254.6  | 7209.3  | 7155.8  |
| 47.5° | 5758.6 | 5793.1 | 5945.4 | 6275.0 | 6776.4 | 7215.0 | 7632.5 | 7652.0 | 7670.2  | 7640.7  | 7616.0  |
| 50°   | 5159.9 | 5201.0 | 5428.9 | 5866.1 | 6573.7 | 7417.7 | 8334.4 | 8422.6 | 8504.7  | 8494.7  | 8511.2  |
| 52.5° | 4518.6 | 4566.9 | 4846.0 | 5333.0 | 6225.3 | 7464.5 | 8783.1 | 8926.7 | 9070.3  | 9187.8  | 9312.5  |
| 55°   | 3939.9 | 3914.1 | 4193.3 | 4706.0 | 5652.5 | 7253.1 | 9186.5 | 9359.6 | 9519.7  | 9663.9  | 9812.6  |
| 57.5° | 3155.9 | 3198.5 | 3478.4 | 3985.5 | 4894.3 | 6656.5 | 9464.0 | 9717.4 | 9947.4  | 10186.3 | 10396.8 |
| 60°   | 2306.8 | 2349.4 | 2653.0 | 3168.1 | 4071.3 | 5752.0 | 9252.0 | 9635.9 | 10004.4 | 10370.1 | 10655.7 |
| 62.5° | 1392.8 | 1424.7 | 1692.2 | 2182.9 | 3139.4 | 4679.5 | 8307.0 | 8810.5 | 9353.0  | 9790.2  | 10228.0 |
| 65°   | 867.1  | 885.1  | 983.9  | 1253.8 | 2016.2 | 3493.6 | 6787.3 | 7336.1 | 7920.3  | 8475.2  | 8930.4  |
| 67.5° | 709.8  | 716.2  | 734.4  | 792.0  | 1107.2 | 2278.1 | 5051.6 | 5537.8 | 6065.1  | 6601.7  | 7108.3  |
| 70°   | 638.3  | 634.0  | 634.0  | 637.7  | 709.8  | 1224.9 | 3307.4 | 3624.1 | 4063.4  | 4530.1  | 4993.2  |
| 72.5° | 576.3  | 572.0  | 564.1  | 553.4  | 579.3  | 747.2  | 1709.5 | 1948.4 | 2265.1  | 2679.8  | 3123.4  |
| 75°   | 517.9  | 512.1  | 502.9  | 489.2  | 507.2  | 564.1  | 820.9  | 921.2  | 1075.5  | 1296.3  | 1543.7  |
| 77.5° | 457.3  | 450.0  | 441.5  | 431.4  | 454.5  | 438.7  | 481.0  | 517.2  | 576.3   | 647.1   | 740.2   |
| 80°   | 388.8  | 382.4  | 379.4  | 374.5  | 401.9  | 334.0  | 339.8  | 362.1  | 396.7   | 435.0   | 478.3   |
| 82.5° | 304.5  | 304.5  | 315.8  | 318.2  | 348.4  | 240.3  | 254.0  | 273.5  | 291.5   | 311.6   | 331.9   |
| 85°   | 200.5  | 202.0  | 241.0  | 256.1  | 274.8  | 161.6  | 190.4  | 196.9  | 211.4   | 223.0   | 231.5   |
| 87.5° | 62.7   | 67.8   | 147.2  | 163.1  | 157.9  | 91.6   | 116.8  | 119.8  | 129.9   | 137.8   | 145.1   |
| 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):**

|       | 60°     | 61°     | 62°     | 63°     | 64°     | 65°     | 66°     | 67°     | 68°     | 69°     | 70°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 1238.6  | 1238.6  | 1238.6  | 1238.6  | 1238.6  | 1238.6  | 1238.6  | 1238.6  | 1238.6  | 1238.6  | 1238.6  |
| 2.5°  | 1374.2  | 1365.5  | 1357.5  | 1356.9  | 1351.1  | 1343.2  | 1346.0  | 1333.8  | 1334.4  | 1328.0  | 1320.7  |
| 5°    | 1615.8  | 1610.0  | 1581.2  | 1573.2  | 1551.6  | 1537.9  | 1535.8  | 1506.9  | 1503.3  | 1486.8  | 1468.6  |
| 7.5°  | 1963.6  | 1944.7  | 1904.3  | 1884.8  | 1848.0  | 1820.6  | 1807.8  | 1769.5  | 1750.6  | 1707.4  | 1687.9  |
| 10°   | 2327.8  | 2304.0  | 2254.1  | 2226.8  | 2191.5  | 2147.4  | 2123.6  | 2068.2  | 2046.4  | 2006.8  | 1959.3  |
| 12.5° | 2665.4  | 2641.7  | 2590.3  | 2569.4  | 2522.5  | 2475.6  | 2449.7  | 2387.0  | 2358.8  | 2295.2  | 2257.8  |
| 15°   | 2977.6  | 2953.9  | 2909.2  | 2887.6  | 2840.7  | 2802.4  | 2767.7  | 2705.9  | 2672.7  | 2613.4  | 2564.4  |
| 17.5° | 3280.6  | 3255.4  | 3216.5  | 3197.0  | 3151.6  | 3112.7  | 3075.2  | 3016.6  | 2982.8  | 2923.7  | 2879.6  |
| 20°   | 3562.0  | 3543.2  | 3515.2  | 3489.1  | 3443.7  | 3408.4  | 3363.7  | 3313.2  | 3264.2  | 3220.7  | 3179.0  |
| 22.5° | 3807.3  | 3800.0  | 3769.8  | 3758.3  | 3719.3  | 3688.9  | 3650.0  | 3600.3  | 3564.8  | 3510.0  | 3471.1  |
| 25°   | 4018.7  | 4016.6  | 4002.0  | 3998.4  | 3971.0  | 3942.1  | 3933.5  | 3892.4  | 3859.9  | 3811.6  | 3771.3  |
| 27.5° | 4200.4  | 4202.5  | 4199.1  | 4209.1  | 4201.9  | 4188.8  | 4189.7  | 4176.0  | 4157.1  | 4116.7  | 4081.4  |
| 30°   | 4402.4  | 4390.8  | 4397.5  | 4411.8  | 4416.1  | 4417.6  | 4441.3  | 4449.2  | 4448.0  | 4421.2  | 4403.9  |
| 32.5° | 4688.0  | 4660.7  | 4635.4  | 4633.3  | 4647.6  | 4653.4  | 4693.8  | 4714.8  | 4732.8  | 4739.2  | 4742.2  |
| 35°   | 5052.3  | 4997.5  | 4944.8  | 4916.8  | 4892.2  | 4898.6  | 4927.5  | 4961.5  | 5001.1  | 5028.5  | 5061.0  |
| 37.5° | 5511.0  | 5444.1  | 5351.0  | 5284.6  | 5268.0  | 5232.0  | 5250.6  | 5277.4  | 5316.3  | 5358.9  | 5415.2  |
| 40°   | 6067.2  | 5965.6  | 5860.9  | 5773.0  | 5725.5  | 5658.9  | 5658.3  | 5653.1  | 5677.1  | 5716.7  | 5796.1  |
| 42.5° | 6602.6  | 6512.3  | 6401.2  | 6309.0  | 6247.0  | 6158.1  | 6140.2  | 6093.3  | 6104.0  | 6138.7  | 6215.9  |
| 45°   | 7103.8  | 7029.5  | 6961.7  | 6855.1  | 6802.2  | 6706.4  | 6676.0  | 6620.6  | 6589.5  | 6605.4  | 6682.6  |
| 47.5° | 7589.3  | 7541.8  | 7471.0  | 7401.8  | 7361.4  | 7275.6  | 7236.6  | 7196.8  | 7157.3  | 7155.8  | 7236.6  |
| 50°   | 8535.8  | 8510.5  | 8426.8  | 8354.7  | 8374.2  | 8268.9  | 8275.3  | 8168.6  | 8216.9  | 8222.7  | 8392.2  |
| 52.5° | 9425.1  | 9513.3  | 9575.3  | 9650.9  | 9700.1  | 9709.5  | 9741.8  | 9790.2  | 9848.6  | 9963.9  | 10121.2 |
| 55°   | 9934.4  | 10044.8 | 10109.0 | 10166.8 | 10262.0 | 10282.1 | 10336.3 | 10400.5 | 10451.6 | 10581.5 | 10715.0 |
| 57.5° | 10539.8 | 10744.5 | 10844.1 | 10935.6 | 11064.0 | 11113.0 | 11203.3 | 11273.3 | 11339.6 | 11493.3 | 11654.9 |
| 60°   | 10912.5 | 11162.3 | 11364.9 | 11509.8 | 11670.7 | 11786.2 | 11922.6 | 12032.1 | 12187.9 | 12371.9 | 12612.9 |
| 62.5° | 10616.2 | 10982.5 | 11251.7 | 11500.6 | 11719.1 | 11939.9 | 12135.3 | 12340.3 | 12576.7 | 12855.1 | 13228.9 |
| 65°   | 9435.4  | 9808.1  | 10269.1 | 10527.4 | 10816.7 | 11157.1 | 11454.3 | 11786.2 | 12108.5 | 12514.0 | 13066.5 |
| 67.5° | 7595.9  | 8029.3  | 8547.3  | 8807.7  | 9140.3  | 9520.3  | 9853.7  | 10259.0 | 10635.6 | 11126.7 | 11810.0 |
| 70°   | 5475.1  | 6035.5  | 6471.2  | 6743.2  | 7131.4  | 7523.0  | 7844.8  | 8316.4  | 8628.0  | 9131.5  | 9837.9  |
| 72.5° | 3466.8  | 3908.9  | 4442.8  | 4785.4  | 5130.1  | 5527.1  | 5856.0  | 6262.8  | 6553.4  | 7012.2  | 7652.0  |
| 75°   | 1864.0  | 2190.0  | 2658.8  | 2984.3  | 3353.6  | 3692.6  | 4077.8  | 4350.4  | 4565.4  | 4928.4  | 5447.7  |
| 77.5° | 873.5   | 1071.9  | 1309.2  | 1559.5  | 1809.9  | 2071.0  | 2325.0  | 2545.6  | 2638.0  | 2845.8  | 3152.3  |
| 80°   | 530.3   | 594.5   | 663.6   | 740.8   | 845.5   | 929.8   | 1041.7  | 1122.4  | 1128.1  | 1193.8  | 1287.6  |
| 82.5° | 354.2   | 377.9   | 398.9   | 418.3   | 445.1   | 466.1   | 489.8   | 517.9   | 529.4   | 544.6   | 575.0   |
| 85°   | 241.6   | 253.1   | 257.4   | 269.8   | 266.8   | 274.1   | 283.5   | 292.9   | 297.9   | 297.2   | 310.9   |
| 87.5° | 148.5   | 154.3   | 157.3   | 160.1   | 157.9   | 155.1   | 159.4   | 164.6   | 165.8   | 161.6   | 163.1   |
| 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):**

|       | 71°     | 72°     | 73°     | 74°     | 75°     | 85°     | 90°    | 95°    | 105°   | 115°   | 125°   |
|-------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|
| 0°    | 1238.6  | 1238.6  | 1238.6  | 1238.6  | 1238.6  | 1238.6  | 1238.6 | 1238.6 | 1238.6 | 1238.6 | 1238.6 |
| 2.5°  | 1322.2  | 1315.8  | 1309.2  | 1304.9  | 1303.4  | 1265.3  | 1248.6 | 1237.9 | 1214.8 | 1196.0 | 1180.8 |
| 5°    | 1458.5  | 1444.8  | 1434.1  | 1421.1  | 1413.8  | 1317.1  | 1281.8 | 1257.4 | 1216.9 | 1193.2 | 1171.4 |
| 7.5°  | 1677.9  | 1639.6  | 1617.3  | 1592.1  | 1570.5  | 1395.8  | 1337.4 | 1299.1 | 1242.8 | 1211.2 | 1186.6 |
| 10°   | 1926.7  | 1887.2  | 1851.6  | 1812.7  | 1778.9  | 1500.5  | 1415.3 | 1356.0 | 1281.8 | 1240.7 | 1208.2 |
| 12.5° | 2204.5  | 2165.6  | 2120.8  | 2071.0  | 2027.7  | 1633.2  | 1514.8 | 1430.5 | 1328.7 | 1273.9 | 1228.5 |
| 15°   | 2532.8  | 2464.1  | 2409.9  | 2352.4  | 2301.9  | 1791.9  | 1631.0 | 1514.2 | 1378.5 | 1304.3 | 1243.7 |
| 17.5° | 2837.7  | 2765.6  | 2692.2  | 2641.7  | 2583.3  | 1970.0  | 1747.9 | 1599.1 | 1419.6 | 1323.7 | 1246.5 |
| 20°   | 3135.8  | 3057.0  | 2993.7  | 2925.9  | 2864.4  | 2154.6  | 1872.6 | 1674.2 | 1446.3 | 1324.4 | 1228.5 |
| 22.5° | 3398.3  | 3349.1  | 3278.5  | 3204.9  | 3142.8  | 2339.3  | 1989.4 | 1737.8 | 1456.4 | 1307.9 | 1196.6 |
| 25°   | 3696.9  | 3645.1  | 3558.4  | 3496.3  | 3427.2  | 2527.6  | 2104.1 | 1786.8 | 1450.6 | 1276.9 | 1147.6 |
| 27.5° | 4015.7  | 3958.1  | 3869.3  | 3804.5  | 3720.8  | 2723.0  | 2209.4 | 1822.1 | 1429.0 | 1226.4 | 1081.9 |
| 30°   | 4348.2  | 4295.6  | 4208.3  | 4142.8  | 4058.3  | 2930.1  | 2327.1 | 1845.9 | 1385.8 | 1156.4 | 1005.5 |
| 32.5° | 4705.4  | 4661.3  | 4574.8  | 4506.4  | 4416.1  | 3154.4  | 2436.7 | 1853.1 | 1320.1 | 1073.4 | 924.9  |
| 35°   | 5044.3  | 5014.2  | 4941.2  | 4877.0  | 4783.3  | 3366.5  | 2552.9 | 1849.5 | 1242.2 | 982.4  | 851.2  |
| 37.5° | 5426.1  | 5407.9  | 5372.0  | 5290.4  | 5175.7  | 3654.3  | 2692.2 | 1834.3 | 1147.0 | 892.3  | 795.0  |
| 40°   | 5832.9  | 5834.4  | 5795.4  | 5739.8  | 5633.0  | 4003.5  | 2858.0 | 1804.8 | 1043.0 | 812.9  | 743.6  |
| 42.5° | 6263.4  | 6285.9  | 6267.1  | 6227.5  | 6125.0  | 4355.5  | 3056.4 | 1768.8 | 942.2  | 735.7  | 693.3  |
| 45°   | 6756.9  | 6784.3  | 6813.2  | 6754.7  | 6655.2  | 4820.1  | 3317.5 | 1722.0 | 833.1  | 671.5  | 658.7  |
| 47.5° | 7326.1  | 7369.3  | 7395.2  | 7396.1  | 7296.6  | 5395.7  | 3741.6 | 1693.7 | 736.5  | 628.3  | 642.0  |
| 50°   | 8527.0  | 8540.9  | 8602.1  | 8708.9  | 8632.5  | 6728.0  | 4482.4 | 1676.4 | 670.9  | 601.5  | 629.8  |
| 52.5° | 10257.5 | 10408.4 | 10514.5 | 10507.2 | 10403.2 | 7574.1  | 4890.7 | 1586.9 | 631.9  | 591.5  | 624.0  |
| 55°   | 10962.4 | 11150.7 | 11346.9 | 11398.7 | 11318.0 | 8296.3  | 5276.7 | 1497.5 | 613.1  | 598.7  | 626.1  |
| 57.5° | 11901.6 | 12218.9 | 12488.1 | 12601.3 | 12484.5 | 9220.3  | 5784.5 | 1450.6 | 607.3  | 618.2  | 639.8  |
| 60°   | 12998.7 | 13391.2 | 13744.7 | 13947.9 | 13947.9 | 10282.1 | 6311.1 | 1431.2 | 599.4  | 647.1  | 662.9  |
| 62.5° | 13703.6 | 14279.8 | 14813.7 | 15111.6 | 15102.8 | 11021.4 | 6544.8 | 1364.8 | 581.4  | 667.2  | 694.6  |
| 65°   | 13706.4 | 14391.8 | 15071.8 | 15406.7 | 15423.8 | 10930.7 | 6159.0 | 1205.4 | 548.2  | 670.2  | 726.5  |
| 67.5° | 12563.9 | 13294.4 | 14087.3 | 14461.7 | 14548.2 | 10062.1 | 5331.5 | 991.2  | 494.1  | 641.3  | 738.0  |
| 70°   | 10611.0 | 11324.5 | 12133.8 | 12501.8 | 12655.5 | 8577.5  | 4294.1 | 763.9  | 425.0  | 577.8  | 714.1  |
| 72.5° | 8359.7  | 9059.4  | 9622.8  | 9891.8  | 10011.6 | 6556.4  | 3127.0 | 577.1  | 348.4  | 486.8  | 649.9  |
| 75°   | 5918.7  | 6443.8  | 6743.2  | 6803.1  | 6821.7  | 3952.4  | 1900.0 | 429.3  | 287.2  | 378.8  | 548.9  |
| 77.5° | 3340.6  | 3565.7  | 3541.1  | 3567.8  | 3345.7  | 1525.7  | 827.5  | 307.3  | 236.7  | 287.8  | 425.6  |
| 80°   | 1304.3  | 1344.7  | 1263.2  | 1237.9  | 1135.4  | 567.7   | 365.1  | 214.2  | 189.0  | 217.8  | 297.9  |
| 82.5° | 575.0   | 593.6   | 576.3   | 580.8   | 555.5   | 292.9   | 218.5  | 155.1  | 144.2  | 159.4  | 197.7  |
| 85°   | 316.7   | 322.5   | 321.0   | 330.4   | 316.7   | 116.8   | 103.8  | 95.2   | 101.0  | 108.3  | 126.9  |
| 87.5° | 154.3   | 155.8   | 150.9   | 158.8   | 153.6   | 59.1    | 51.1   | 54.1   | 59.1   | 60.6   | 60.6   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P301637

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**CANDELA DISTRIBUTION (continued):**

|       | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|
| 0°    | 1238.6 | 1238.6 | 1238.6 | 1238.6 | 1238.6 | 1238.6 |
| 2.5°  | 1170.1 | 1164.3 | 1165.0 | 1163.5 | 1160.7 | 1160.7 |
| 5°    | 1160.0 | 1154.3 | 1154.3 | 1152.8 | 1149.1 | 1149.8 |
| 7.5°  | 1170.1 | 1160.7 | 1157.0 | 1151.9 | 1147.0 | 1147.0 |
| 10°   | 1181.6 | 1165.0 | 1154.9 | 1146.3 | 1139.7 | 1139.7 |
| 12.5° | 1190.2 | 1164.3 | 1147.6 | 1136.1 | 1129.6 | 1129.6 |
| 15°   | 1193.2 | 1159.2 | 1136.1 | 1122.4 | 1116.6 | 1115.9 |
| 17.5° | 1183.8 | 1139.7 | 1111.7 | 1095.8 | 1088.6 | 1086.4 |
| 20°   | 1154.9 | 1104.4 | 1070.6 | 1052.4 | 1042.3 | 1038.7 |
| 22.5° | 1111.7 | 1053.9 | 1014.3 | 995.5  | 982.4  | 980.3  |
| 25°   | 1051.1 | 989.1  | 950.1  | 931.9  | 924.9  | 922.5  |
| 27.5° | 980.3  | 922.5  | 889.3  | 877.8  | 871.4  | 870.7  |
| 30°   | 913.3  | 864.1  | 839.7  | 830.9  | 823.0  | 821.7  |
| 32.5° | 850.4  | 819.4  | 810.2  | 797.7  | 779.1  | 777.0  |
| 35°   | 805.7  | 802.9  | 796.5  | 768.9  | 746.0  | 739.3  |
| 37.5° | 778.3  | 805.0  | 771.9  | 717.7  | 701.2  | 699.7  |
| 40°   | 762.4  | 782.8  | 725.6  | 707.0  | 708.3  | 707.0  |
| 42.5° | 726.5  | 747.2  | 727.1  | 718.6  | 724.1  | 725.6  |
| 45°   | 690.3  | 713.4  | 738.0  | 732.3  | 746.0  | 746.0  |
| 47.5° | 670.2  | 704.7  | 737.2  | 737.2  | 757.5  | 764.6  |
| 50°   | 647.1  | 697.6  | 725.6  | 735.7  | 751.7  | 746.0  |
| 52.5° | 645.6  | 685.2  | 709.2  | 727.1  | 734.4  | 727.8  |
| 55°   | 647.7  | 675.1  | 692.5  | 712.8  | 721.4  | 722.0  |
| 57.5° | 650.7  | 669.4  | 680.9  | 690.3  | 716.2  | 716.2  |
| 60°   | 657.8  | 664.4  | 670.9  | 676.0  | 709.8  | 710.4  |
| 62.5° | 669.4  | 659.3  | 657.8  | 662.9  | 706.2  | 703.4  |
| 65°   | 687.5  | 652.0  | 641.3  | 646.2  | 702.5  | 694.0  |
| 67.5° | 711.9  | 641.3  | 620.4  | 624.0  | 699.7  | 680.9  |
| 70°   | 734.4  | 624.0  | 594.5  | 590.8  | 672.4  | 639.2  |
| 72.5° | 736.5  | 603.9  | 558.3  | 547.6  | 584.4  | 552.5  |
| 75°   | 700.4  | 590.0  | 518.7  | 486.8  | 482.5  | 478.3  |
| 77.5° | 631.3  | 582.0  | 472.5  | 422.6  | 414.1  | 416.8  |
| 80°   | 528.1  | 552.5  | 416.8  | 357.8  | 404.7  | 399.7  |
| 82.5° | 394.6  | 487.7  | 354.2  | 316.7  | 315.8  | 279.3  |
| 85°   | 219.3  | 380.3  | 288.5  | 237.3  | 165.2  | 160.1  |
| 87.5° | 61.4   | 211.4  | 202.0  | 134.2  | 91.6   | 95.2   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)