

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: P453798

Luminaire Tested: **GALN-SA4D-760-U-SLL-HSS**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P453798  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SA4D-760-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 5700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21977 lumens  
Efficiency: N/A  
Efficacy: 89.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3

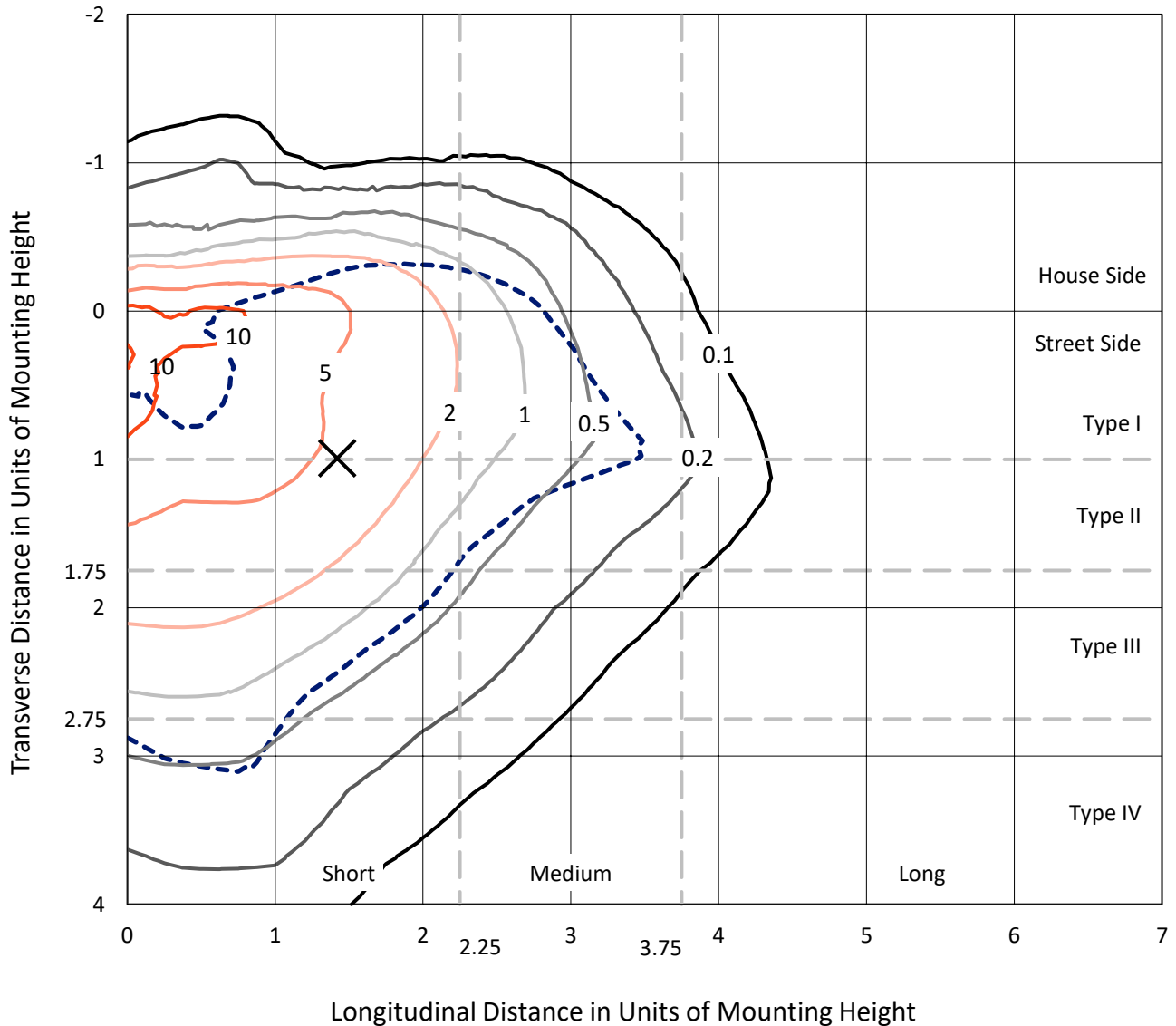
Input Watts (W): 245  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

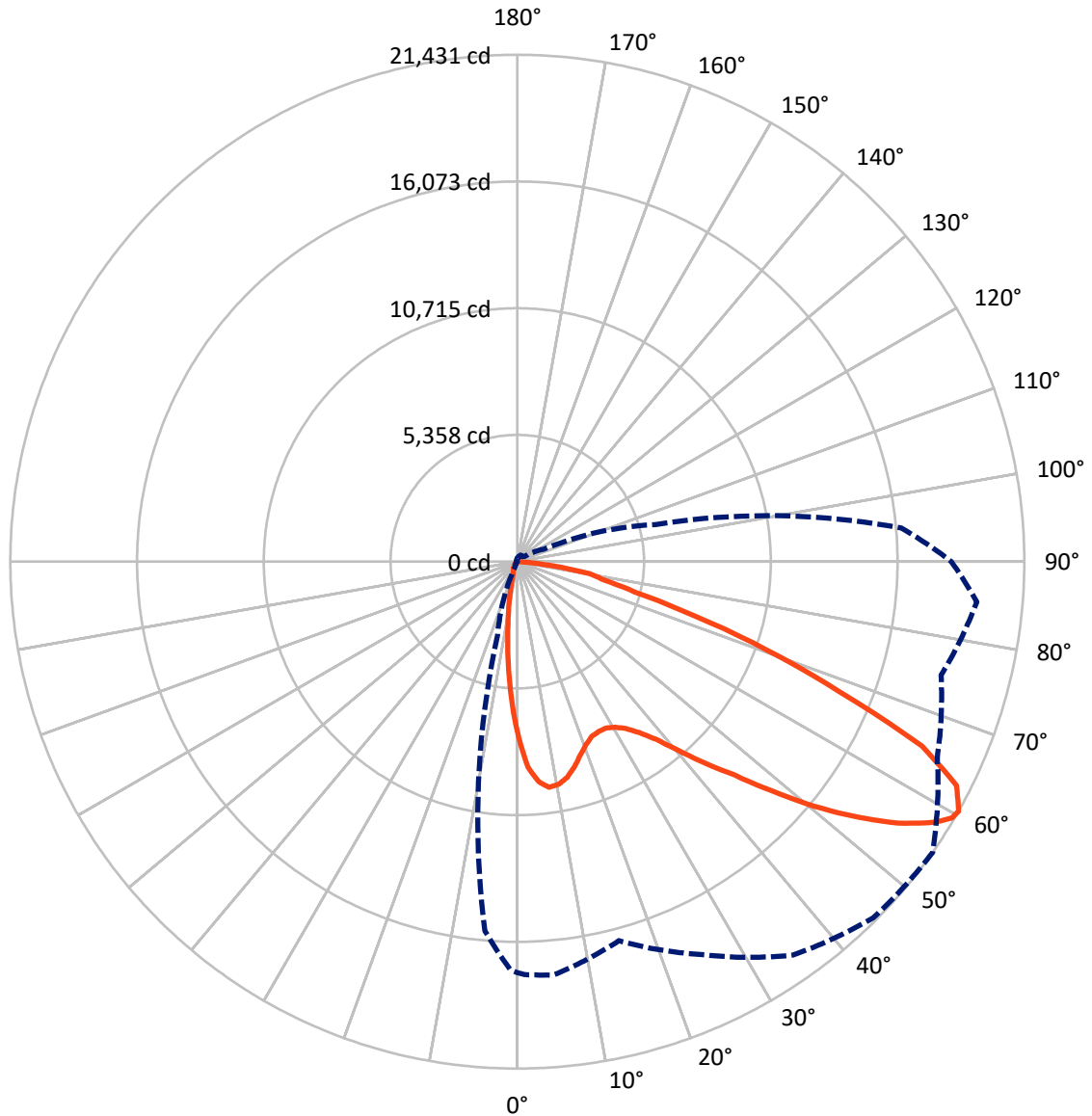
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.4 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral      - - - Horizontal Cone Through 60-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3261.6   | 0.0    | 3261.6  |
|                    | % Fixture | 14.8     | 0.0    | 14.8    |
| <b>Street Side</b> | Lumens    | 18715.4  | 0.0    | 18715.4 |
|                    | % Fixture | 85.2     | 0.0    | 85.2    |
| <b>Total</b>       | Lumens    | 21977.0  | 0.0    | 21977.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 551.0   | 2.5       |
| 10°-20°   | 1085.1  | 4.9       |
| 20°-30°   | 1606.2  | 7.3       |
| 30°-40°   | 2394.2  | 10.9      |
| 40°-50°   | 3506.3  | 16.0      |
| 50°-60°   | 5062.0  | 23.0      |
| 60°-70°   | 5325.0  | 24.2      |
| 70°-80°   | 2190.5  | 10.0      |
| 80°-90°   | 256.6   | 1.2       |
| 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°    | 21977.0 | 100.0     |
| 0°-180°   | 21977.0 | 100.0     |

**Coefficient of Utilization**



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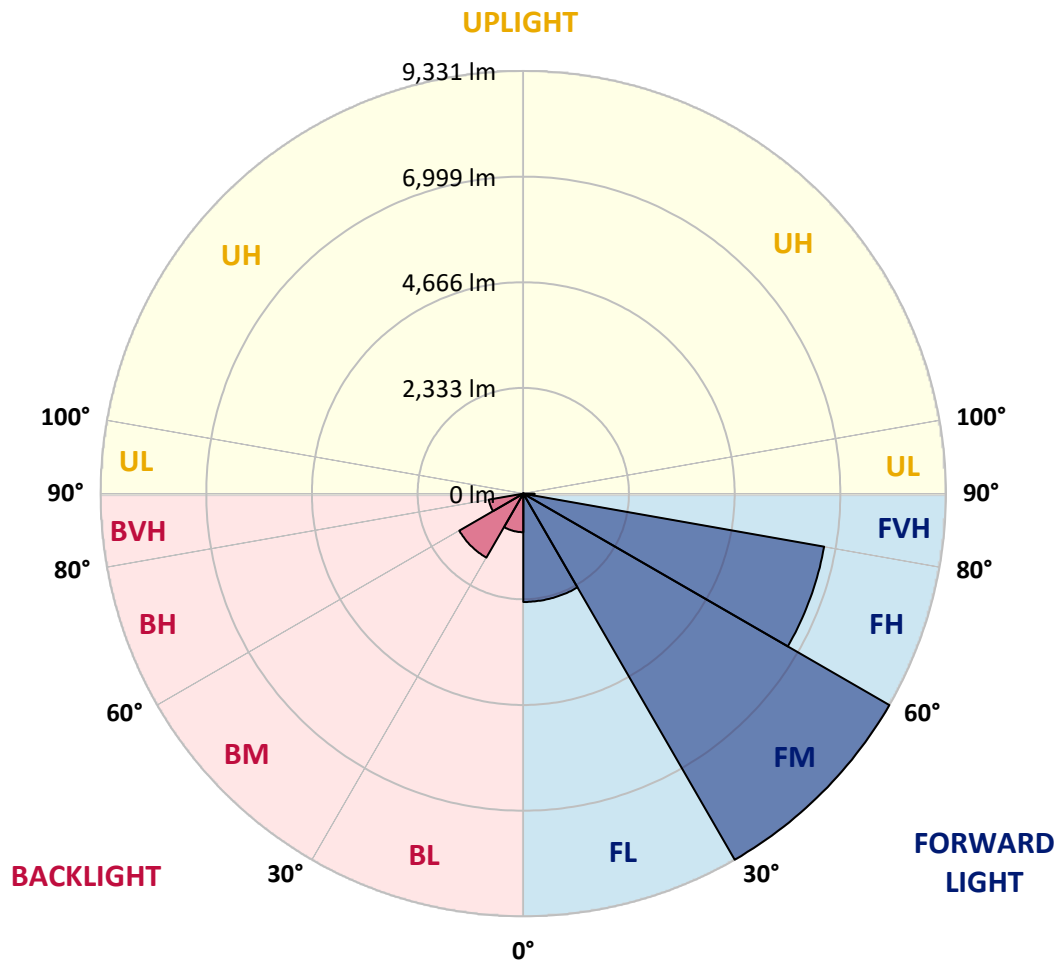
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2391.4 | 10.9      |                         |      |         |
| FM   | (30°-60°)   | 9331.5 | 42.5      |                         |      |         |
| FH   | (60°-80°)   | 6743.5 | 30.7      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 249.0  | 1.1       |                         |      | G3/500  |
| BL   | (0°-30°)    | 851.0  | 3.9       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1631.1 | 7.4       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 772.0  | 3.5       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 7.5    | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 1°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 7441.4  | 7441.4  | 7441.4  | 7441.4  | 7441.4  | 7441.4  | 7441.4  | 7441.4  | 7441.4  | 7441.4  | 7441.4  |
| 2.5°  | 8129.8  | 8116.3  | 8236.4  | 8432.6  | 8630.5  | 8733.7  | 8713.4  | 8705.0  | 8540.9  | 8420.8  | 8168.7  |
| 5°    | 8112.9  | 8182.3  | 8397.1  | 8928.3  | 9330.9  | 9525.4  | 9582.9  | 9341.0  | 9021.3  | 8557.8  | 7986.0  |
| 7.5°  | 7627.4  | 7713.7  | 8063.9  | 8894.4  | 9610.0  | 10032.9 | 10017.7 | 9630.3  | 8970.6  | 8253.3  | 7438.0  |
| 10°   | 7025.2  | 7126.7  | 7537.8  | 8546.0  | 9474.7  | 10032.9 | 10063.3 | 9572.8  | 8752.3  | 7832.1  | 6974.5  |
| 12.5° | 6600.6  | 6720.7  | 7175.8  | 8221.2  | 9126.2  | 9676.0  | 9711.5  | 9356.2  | 8588.3  | 7669.7  | 6722.4  |
| 15°   | 6456.8  | 6570.2  | 7032.0  | 8057.1  | 8755.7  | 9051.8  | 9043.3  | 9006.1  | 8524.0  | 7708.6  | 6736.0  |
| 17.5° | 6703.8  | 6796.9  | 7317.9  | 8131.5  | 8408.9  | 8378.5  | 8422.5  | 8601.8  | 8537.5  | 8035.1  | 7162.2  |
| 20°   | 7341.5  | 7436.3  | 7996.2  | 8359.9  | 8143.4  | 7950.5  | 7970.8  | 8270.2  | 8662.7  | 8649.2  | 7828.7  |
| 22.5° | 8219.5  | 8380.2  | 8887.7  | 8803.1  | 8107.8  | 7684.9  | 7642.7  | 8031.7  | 8875.8  | 9356.2  | 8728.7  |
| 25°   | 9330.9  | 9493.3  | 9889.1  | 9510.2  | 8282.1  | 7622.4  | 7583.4  | 7959.0  | 9134.6  | 10046.4 | 9741.9  |
| 27.5° | 10264.6 | 10388.1 | 10782.3 | 10198.7 | 8539.2  | 7649.4  | 7585.1  | 7969.1  | 9344.4  | 10633.4 | 10596.2 |
| 30°   | 11012.3 | 11103.7 | 11335.4 | 10520.1 | 8760.8  | 7767.8  | 7693.4  | 8118.0  | 9437.4  | 10919.3 | 11288.1 |
| 32.5° | 11614.5 | 11768.5 | 11841.2 | 10863.5 | 9078.8  | 7991.1  | 7864.3  | 8403.9  | 9664.1  | 11272.8 | 12013.7 |
| 35°   | 12303.0 | 12480.6 | 12387.6 | 11191.6 | 9498.3  | 8339.6  | 8184.0  | 8867.4  | 10007.5 | 11599.3 | 12856.2 |
| 37.5° | 13175.9 | 13380.6 | 13016.9 | 11536.7 | 9941.5  | 8864.0  | 8791.2  | 9518.6  | 10528.5 | 12066.2 | 13759.5 |
| 40°   | 14079.2 | 14197.6 | 13627.5 | 11956.2 | 10486.2 | 9626.9  | 9696.3  | 10486.2 | 11210.2 | 12626.1 | 14720.3 |
| 42.5° | 14784.6 | 14896.2 | 14255.1 | 12308.1 | 11042.8 | 10531.9 | 10821.2 | 11653.4 | 11991.8 | 13199.6 | 15437.5 |
| 45°   | 15324.2 | 15418.9 | 14689.9 | 12692.1 | 11793.8 | 11842.9 | 12389.3 | 12856.2 | 12775.0 | 13549.7 | 15990.7 |
| 47.5° | 15743.7 | 15824.9 | 15024.8 | 13104.8 | 12918.8 | 13446.5 | 14282.2 | 14480.1 | 13586.9 | 13928.6 | 16491.4 |
| 50°   | 15916.3 | 15940.0 | 15129.7 | 13630.9 | 14195.9 | 15490.0 | 16361.2 | 16241.1 | 14517.3 | 14349.8 | 17024.3 |
| 52.5° | 16141.3 | 16136.2 | 15429.1 | 14131.6 | 15396.9 | 17316.9 | 18186.4 | 17914.1 | 15569.5 | 14980.8 | 17623.1 |
| 55°   | 16731.6 | 16738.4 | 16070.2 | 14842.1 | 16420.4 | 18792.0 | 19722.4 | 19524.5 | 16679.2 | 16046.5 | 18321.7 |
| 57.5° | 17448.9 | 17474.2 | 16982.0 | 15672.7 | 17398.1 | 19861.1 | 20869.3 | 20793.2 | 18179.6 | 17232.3 | 18981.5 |
| 59°   | 17541.9 | 17592.6 | 17413.3 | 16258.0 | 17978.3 | 20189.3 | 21261.7 | 21336.2 | 18983.1 | 18013.9 | 19338.4 |
| 60°   | 17372.7 | 17457.3 | 17538.5 | 16589.5 | 18318.3 | 20307.7 | 21285.4 | 21430.9 | 19587.0 | 18545.0 | 19500.8 |
| 62.5° | 16635.2 | 16768.8 | 17176.5 | 17609.6 | 18742.9 | 19938.9 | 20529.3 | 20833.8 | 20334.7 | 19940.6 | 19516.0 |
| 65°   | 15669.3 | 15738.7 | 16327.3 | 17790.6 | 17919.1 | 18216.8 | 18399.5 | 18790.3 | 19436.5 | 20478.5 | 18817.4 |
| 67.5° | 14086.0 | 14290.6 | 15011.3 | 16740.1 | 15488.3 | 15136.4 | 15090.8 | 14701.7 | 16379.8 | 19196.3 | 17095.3 |
| 70°   | 11636.5 | 11727.9 | 12616.0 | 13724.0 | 11689.0 | 11147.6 | 11364.2 | 11218.7 | 12697.2 | 16525.2 | 13759.5 |
| 72.5° | 8799.7  | 9006.1  | 9873.9  | 10939.6 | 7953.9  | 7251.9  | 7849.0  | 7794.9  | 9537.2  | 13280.8 | 9452.7  |
| 75°   | 6260.6  | 6394.3  | 7500.6  | 8561.2  | 5570.4  | 4719.6  | 4934.4  | 5135.7  | 6658.1  | 10486.2 | 5585.7  |
| 77.5° | 4301.7  | 4416.8  | 5247.3  | 5661.8  | 4063.2  | 3892.4  | 3560.8  | 3755.4  | 4362.6  | 6221.7  | 3039.8  |
| 80°   | 2594.9  | 2589.8  | 3136.2  | 3237.7  | 2830.0  | 3286.8  | 2757.3  | 3095.6  | 2637.2  | 2662.6  | 1177.4  |
| 82.5° | 1684.8  | 1667.9  | 1918.3  | 2090.8  | 1574.9  | 1656.1  | 1111.4  | 1601.9  | 1718.7  | 742.6   | 372.2   |
| 85°   | 754.5   | 786.6   | 921.9   | 1216.3  | 690.2   | 367.1   | 226.7   | 492.3   | 732.5   | 373.8   | 0.0     |
| 87.5° | 77.8    | 60.9    | 162.4   | 296.0   | 94.7    | 10.1    | 33.8    | 16.9    | 0.0     | 0.0     | 0.0     |
| 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):**

|       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 7441.4  | 7441.4  | 7441.4 | 7441.4 | 7441.4 | 7441.4 | 7441.4 | 7441.4 | 7441.4 | 7441.4 | 7441.4 |
| 2.5°  | 8052.0  | 7953.9  | 7661.3 | 7387.2 | 7152.1 | 6864.5 | 6678.4 | 6385.8 | 6208.2 | 6154.0 | 6162.5 |
| 5°    | 7728.9  | 7446.4  | 6889.9 | 6445.0 | 5949.4 | 5666.9 | 5237.2 | 4824.4 | 4601.2 | 4518.3 | 4481.1 |
| 7.5°  | 7052.3  | 6749.5  | 6077.9 | 5379.3 | 4848.1 | 4352.5 | 4032.8 | 3669.1 | 3420.4 | 3215.7 | 3180.2 |
| 10°   | 6549.9  | 6152.4  | 5320.1 | 4569.0 | 4149.5 | 3777.3 | 3457.6 | 3093.9 | 2801.3 | 2567.8 | 2503.6 |
| 12.5° | 6248.8  | 5803.9  | 4875.2 | 4245.9 | 3848.4 | 3466.1 | 3050.0 | 2628.7 | 2329.3 | 2077.3 | 1960.6 |
| 15°   | 6194.6  | 5678.7  | 4750.0 | 4014.2 | 3523.6 | 3061.8 | 2508.6 | 2053.6 | 1745.7 | 1507.2 | 1434.5 |
| 17.5° | 6521.1  | 5903.7  | 4731.4 | 3772.3 | 3099.0 | 2444.4 | 1869.2 | 1492.0 | 1145.2 | 1011.6 | 959.1  |
| 20°   | 7103.0  | 6301.2  | 4729.7 | 3491.5 | 2662.6 | 1882.8 | 1312.7 | 972.7  | 832.3  | 768.0  | 737.5  |
| 22.5° | 7896.4  | 6842.5  | 4819.4 | 3249.6 | 2209.2 | 1388.8 | 937.1  | 774.8  | 693.6  | 641.1  | 629.3  |
| 25°   | 8865.7  | 7644.3  | 5039.3 | 3085.5 | 1862.5 | 1089.4 | 773.1  | 663.1  | 595.4  | 571.8  | 561.6  |
| 27.5° | 9726.7  | 8412.3  | 5281.2 | 2916.3 | 1613.8 | 964.2  | 717.2  | 607.3  | 553.2  | 534.5  | 519.3  |
| 30°   | 10469.3 | 9109.3  | 5397.9 | 2693.0 | 1414.2 | 883.0  | 727.4  | 649.6  | 578.5  | 522.7  | 497.3  |
| 32.5° | 11088.4 | 9643.8  | 5474.0 | 2490.0 | 1245.0 | 722.3  | 575.1  | 502.4  | 470.3  | 450.0  | 433.0  |
| 35°   | 11863.2 | 10222.3 | 5428.3 | 2375.0 | 1158.7 | 658.0  | 524.4  | 433.0  | 378.9  | 338.3  | 321.4  |
| 37.5° | 12675.2 | 10800.9 | 5348.8 | 2280.3 | 1119.8 | 610.7  | 499.0  | 411.1  | 351.9  | 309.6  | 287.6  |
| 40°   | 13515.9 | 11337.1 | 5255.8 | 2192.3 | 1084.3 | 580.2  | 483.8  | 392.5  | 333.2  | 287.6  | 263.9  |
| 42.5° | 14285.6 | 11859.8 | 5218.6 | 2134.8 | 1026.8 | 585.3  | 472.0  | 384.0  | 314.6  | 267.3  | 247.0  |
| 45°   | 14908.1 | 12355.5 | 5269.3 | 2104.4 | 964.2  | 576.8  | 475.3  | 373.8  | 299.4  | 253.7  | 233.4  |
| 47.5° | 15572.9 | 13055.8 | 5433.4 | 2073.9 | 903.3  | 536.2  | 500.7  | 372.2  | 292.6  | 245.3  | 223.3  |
| 50°   | 16345.9 | 13952.3 | 5809.0 | 1999.5 | 828.9  | 492.3  | 532.9  | 370.5  | 284.2  | 235.1  | 213.1  |
| 52.5° | 17376.1 | 14970.7 | 6196.3 | 1869.2 | 720.6  | 450.0  | 509.2  | 365.4  | 267.3  | 223.3  | 201.3  |
| 55°   | 18301.4 | 16043.1 | 6524.5 | 1715.3 | 583.6  | 389.1  | 458.4  | 343.4  | 238.5  | 203.0  | 182.7  |
| 57.5° | 18683.7 | 16648.7 | 6514.4 | 1502.1 | 466.9  | 341.7  | 377.2  | 314.6  | 208.1  | 179.3  | 162.4  |
| 59°   | 18543.3 | 16572.6 | 6296.1 | 1344.8 | 426.3  | 316.3  | 312.9  | 311.3  | 194.5  | 162.4  | 148.9  |
| 60°   | 18345.4 | 16295.2 | 6061.0 | 1267.0 | 400.9  | 299.4  | 287.6  | 307.9  | 182.7  | 152.2  | 138.7  |
| 62.5° | 17587.6 | 15144.9 | 5281.2 | 1135.1 | 367.1  | 253.7  | 230.1  | 260.5  | 162.4  | 131.9  | 120.1  |
| 65°   | 16489.7 | 13377.2 | 4470.9 | 1097.8 | 356.9  | 209.8  | 191.2  | 186.1  | 138.7  | 111.6  | 101.5  |
| 67.5° | 14348.2 | 11320.2 | 3621.7 | 1072.5 | 360.3  | 175.9  | 167.5  | 140.4  | 115.0  | 93.0   | 86.3   |
| 70°   | 11487.7 | 8826.8  | 2965.4 | 1043.7 | 363.7  | 143.8  | 140.4  | 111.6  | 93.0   | 77.8   | 71.0   |
| 72.5° | 6979.5  | 5232.1  | 2334.4 | 906.7  | 353.5  | 115.0  | 125.2  | 84.6   | 67.7   | 55.8   | 52.4   |
| 75°   | 4315.3  | 3581.1  | 1448.0 | 705.4  | 233.4  | 84.6   | 88.0   | 52.4   | 45.7   | 35.5   | 35.5   |
| 77.5° | 2500.2  | 2261.7  | 517.6  | 253.7  | 103.2  | 50.7   | 38.9   | 27.1   | 25.4   | 15.2   | 15.2   |
| 80°   | 1037.0  | 830.6   | 179.3  | 86.3   | 55.8   | 23.7   | 8.5    | 1.7    | 0.0    | 0.0    | 0.0    |
| 82.5° | 302.8   | 269.0   | 49.1   | 38.9   | 16.9   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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):**

|       | 185°   | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°   | 270°   | 275°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 7441.4 | 7441.4 | 7441.4 | 7441.4 | 7441.4 | 7441.4 | 7441.4 | 7441.4 | 7441.4 | 7441.4 | 7441.4 |
| 2.5°  | 6018.7 | 5962.9 | 5937.5 | 6023.8 | 5944.3 | 6045.8 | 5968.0 | 6001.8 | 6101.6 | 6145.6 | 6258.9 |
| 5°    | 4504.7 | 4447.2 | 4420.2 | 4550.4 | 4543.6 | 4607.9 | 4601.2 | 4660.4 | 4711.1 | 4597.8 | 4714.5 |
| 7.5°  | 3137.9 | 3099.0 | 3163.3 | 3264.8 | 3373.1 | 3337.5 | 3337.5 | 3258.0 | 3285.1 | 3268.2 | 3263.1 |
| 10°   | 2386.8 | 2253.2 | 2219.4 | 2216.0 | 2256.6 | 2265.1 | 2219.4 | 2109.4 | 2150.0 | 2161.9 | 2232.9 |
| 12.5° | 1877.7 | 1774.5 | 1617.2 | 1546.1 | 1527.5 | 1542.7 | 1392.2 | 1295.8 | 1341.4 | 1314.4 | 1383.7 |
| 15°   | 1346.5 | 1261.9 | 1168.9 | 1089.4 | 1067.4 | 1037.0 | 872.9  | 757.8  | 744.3  | 749.4  | 761.2  |
| 17.5° | 960.8  | 903.3  | 903.3  | 818.7  | 773.1  | 681.7  | 598.8  | 548.1  | 543.0  | 548.1  | 556.5  |
| 20°   | 708.8  | 678.3  | 674.9  | 653.0  | 602.2  | 541.3  | 483.8  | 473.6  | 470.3  | 478.7  | 482.1  |
| 22.5° | 610.7  | 578.5  | 551.5  | 549.8  | 502.4  | 451.7  | 424.6  | 411.1  | 412.8  | 416.1  | 424.6  |
| 25°   | 546.4  | 512.6  | 483.8  | 466.9  | 433.0  | 397.5  | 372.2  | 365.4  | 365.4  | 370.5  | 372.2  |
| 27.5° | 500.7  | 458.4  | 433.0  | 409.4  | 378.9  | 348.5  | 326.5  | 321.4  | 318.0  | 321.4  | 329.9  |
| 30°   | 468.6  | 426.3  | 394.1  | 358.6  | 334.9  | 306.2  | 287.6  | 280.8  | 279.1  | 280.8  | 287.6  |
| 32.5° | 400.9  | 375.5  | 350.2  | 318.0  | 289.3  | 270.7  | 250.4  | 238.5  | 238.5  | 241.9  | 248.7  |
| 35°   | 302.8  | 289.3  | 287.6  | 279.1  | 255.4  | 235.1  | 211.5  | 199.6  | 199.6  | 206.4  | 209.8  |
| 37.5° | 267.3  | 241.9  | 238.5  | 235.1  | 225.0  | 197.9  | 175.9  | 165.8  | 164.1  | 169.2  | 175.9  |
| 40°   | 243.6  | 214.8  | 199.6  | 196.2  | 197.9  | 167.5  | 143.8  | 133.6  | 133.6  | 135.3  | 142.1  |
| 42.5° | 225.0  | 191.2  | 164.1  | 160.7  | 167.5  | 140.4  | 116.7  | 106.6  | 106.6  | 106.6  | 115.0  |
| 45°   | 209.8  | 170.9  | 138.7  | 121.8  | 131.9  | 115.0  | 94.7   | 84.6   | 81.2   | 84.6   | 88.0   |
| 47.5° | 199.6  | 155.6  | 121.8  | 98.1   | 98.1   | 91.3   | 76.1   | 64.3   | 60.9   | 62.6   | 67.7   |
| 50°   | 191.2  | 142.1  | 103.2  | 79.5   | 71.0   | 72.7   | 57.5   | 49.1   | 45.7   | 45.7   | 50.7   |
| 52.5° | 177.6  | 128.6  | 89.7   | 67.7   | 54.1   | 49.1   | 42.3   | 35.5   | 33.8   | 35.5   | 38.9   |
| 55°   | 160.7  | 116.7  | 77.8   | 55.8   | 42.3   | 33.8   | 30.4   | 25.4   | 23.7   | 25.4   | 30.4   |
| 57.5° | 142.1  | 98.1   | 62.6   | 44.0   | 28.8   | 22.0   | 20.3   | 16.9   | 13.5   | 15.2   | 18.6   |
| 59°   | 130.3  | 88.0   | 54.1   | 35.5   | 22.0   | 15.2   | 15.2   | 11.8   | 8.5    | 10.1   | 15.2   |
| 60°   | 125.2  | 81.2   | 45.7   | 30.4   | 18.6   | 11.8   | 11.8   | 8.5    | 5.1    | 6.8    | 11.8   |
| 62.5° | 106.6  | 67.7   | 35.5   | 18.6   | 8.5    | 1.7    | 5.1    | 1.7    | 0.0    | 1.7    | 5.1    |
| 65°   | 89.7   | 54.1   | 23.7   | 8.5    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.7    |
| 67.5° | 74.4   | 40.6   | 11.8   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 70°   | 59.2   | 27.1   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5° | 40.6   | 15.2   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°   | 25.4   | 5.1    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 10.1   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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: P453798

CATALOG NUMBER: GALN-SA4D-760-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 285°   | 295°   | 305°   | 315°   | 325°   | 335°   | 345°   | 355°    | 359°    | 360°    |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0°    | 7441.4 | 7441.4 | 7441.4 | 7441.4 | 7441.4 | 7441.4 | 7441.4 | 7441.4  | 7441.4  | 7441.4  |
| 2.5°  | 6265.7 | 6507.6 | 6656.4 | 6937.3 | 7224.8 | 7446.4 | 7723.8 | 7972.5  | 8075.7  | 8129.8  |
| 5°    | 4832.9 | 5169.5 | 5455.4 | 5883.4 | 6280.9 | 6764.7 | 7255.3 | 7833.8  | 8055.4  | 8112.9  |
| 7.5°  | 3391.7 | 3735.1 | 4034.5 | 4530.1 | 5096.8 | 5744.7 | 6478.8 | 7213.0  | 7536.1  | 7627.4  |
| 10°   | 2449.4 | 2816.5 | 3181.9 | 3677.5 | 4207.0 | 4909.0 | 5673.6 | 6582.0  | 6954.2  | 7025.2  |
| 12.5° | 1546.1 | 1940.3 | 2534.0 | 3146.4 | 3706.3 | 4271.3 | 5071.4 | 6059.3  | 6470.4  | 6600.6  |
| 15°   | 896.5  | 1190.9 | 1639.2 | 2437.6 | 3149.8 | 3897.4 | 4770.3 | 5863.1  | 6323.2  | 6456.8  |
| 17.5° | 600.5  | 702.0  | 1009.9 | 1620.6 | 2561.1 | 3552.4 | 4694.2 | 6023.8  | 6533.0  | 6703.8  |
| 20°   | 505.8  | 551.5  | 659.7  | 987.9  | 1972.4 | 3244.5 | 4714.5 | 6460.2  | 7128.4  | 7341.5  |
| 22.5° | 444.9  | 487.2  | 556.5  | 710.5  | 1377.0 | 2862.2 | 4810.9 | 7084.4  | 7947.1  | 8219.5  |
| 25°   | 392.5  | 434.7  | 495.6  | 588.7  | 925.3  | 2420.7 | 5022.4 | 7997.9  | 9031.5  | 9330.9  |
| 27.5° | 348.5  | 387.4  | 439.8  | 519.3  | 712.2  | 1928.4 | 5210.1 | 8887.7  | 10021.0 | 10264.6 |
| 30°   | 307.9  | 340.0  | 390.8  | 451.7  | 592.1  | 1486.9 | 5304.9 | 9665.8  | 10741.7 | 11012.3 |
| 32.5° | 267.3  | 297.7  | 346.8  | 395.8  | 487.2  | 1133.4 | 5238.9 | 10237.6 | 11442.0 | 11614.5 |
| 35°   | 228.4  | 260.5  | 301.1  | 346.8  | 421.2  | 915.2  | 4909.0 | 10880.4 | 12167.7 | 12303.0 |
| 37.5° | 196.2  | 223.3  | 265.6  | 301.1  | 380.6  | 732.5  | 4509.8 | 11458.9 | 12981.3 | 13175.9 |
| 40°   | 165.8  | 192.8  | 235.1  | 267.3  | 350.2  | 576.8  | 4149.5 | 12101.7 | 13839.0 | 14079.2 |
| 42.5° | 135.3  | 167.5  | 204.7  | 257.1  | 301.1  | 439.8  | 3713.1 | 12622.7 | 14483.5 | 14784.6 |
| 45°   | 108.3  | 143.8  | 184.4  | 255.4  | 262.2  | 334.9  | 3291.9 | 13028.7 | 15053.6 | 15324.2 |
| 47.5° | 86.3   | 121.8  | 177.6  | 238.5  | 214.8  | 265.6  | 3051.6 | 13453.3 | 15527.2 | 15743.7 |
| 50°   | 69.4   | 101.5  | 186.1  | 209.8  | 179.3  | 225.0  | 3044.9 | 13926.9 | 15772.5 | 15916.3 |
| 52.5° | 55.8   | 82.9   | 157.3  | 160.7  | 152.2  | 197.9  | 3227.6 | 14459.8 | 16022.8 | 16141.3 |
| 55°   | 47.4   | 69.4   | 103.2  | 118.4  | 137.0  | 179.3  | 3364.6 | 15280.2 | 16620.0 | 16731.6 |
| 57.5° | 37.2   | 59.2   | 79.5   | 94.7   | 121.8  | 164.1  | 3383.2 | 15912.9 | 17376.1 | 17448.9 |
| 59°   | 32.1   | 50.7   | 71.0   | 84.6   | 111.6  | 153.9  | 3307.1 | 15951.8 | 17425.2 | 17541.9 |
| 60°   | 27.1   | 45.7   | 62.6   | 79.5   | 103.2  | 145.5  | 3224.2 | 15669.3 | 17242.5 | 17372.7 |
| 62.5° | 20.3   | 35.5   | 45.7   | 64.3   | 84.6   | 125.2  | 2831.7 | 14683.1 | 16543.9 | 16635.2 |
| 65°   | 13.5   | 25.4   | 33.8   | 47.4   | 66.0   | 108.3  | 2307.3 | 13404.2 | 15464.6 | 15669.3 |
| 67.5° | 8.5    | 18.6   | 27.1   | 35.5   | 54.1   | 91.3   | 1644.2 | 11494.4 | 13954.0 | 14086.0 |
| 70°   | 5.1    | 11.8   | 20.3   | 28.8   | 42.3   | 72.7   | 976.1  | 9085.6  | 11609.5 | 11636.5 |
| 72.5° | 3.4    | 8.5    | 13.5   | 20.3   | 33.8   | 66.0   | 473.6  | 5922.3  | 8476.6  | 8799.7  |
| 75°   | 1.7    | 5.1    | 8.5    | 15.2   | 27.1   | 54.1   | 226.7  | 3956.7  | 6167.6  | 6260.6  |
| 77.5° | 0.0    | 1.7    | 5.1    | 10.1   | 20.3   | 42.3   | 131.9  | 2598.3  | 4205.3  | 4301.7  |
| 80°   | 0.0    | 0.0    | 3.4    | 8.5    | 15.2   | 27.1   | 79.5   | 1532.6  | 2547.6  | 2594.9  |
| 82.5° | 0.0    | 0.0    | 1.7    | 6.8    | 10.1   | 20.3   | 40.6   | 673.3   | 1667.9  | 1684.8  |
| 85°   | 0.0    | 0.0    | 1.7    | 6.8    | 8.5    | 13.5   | 15.2   | 91.3    | 740.9   | 754.5   |
| 87.5° | 0.0    | 0.0    | 1.7    | 8.5    | 8.5    | 8.5    | 8.5    | 5.1     | 62.6    | 77.8    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     |

(END OF REPORT)