

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: P531953

Luminaire Tested: **GALN-SA7B-735-U-SLL-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531953  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA7B-735-U-SLL-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20410 lumens  
Efficiency: N/A  
Efficacy: 71.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G2

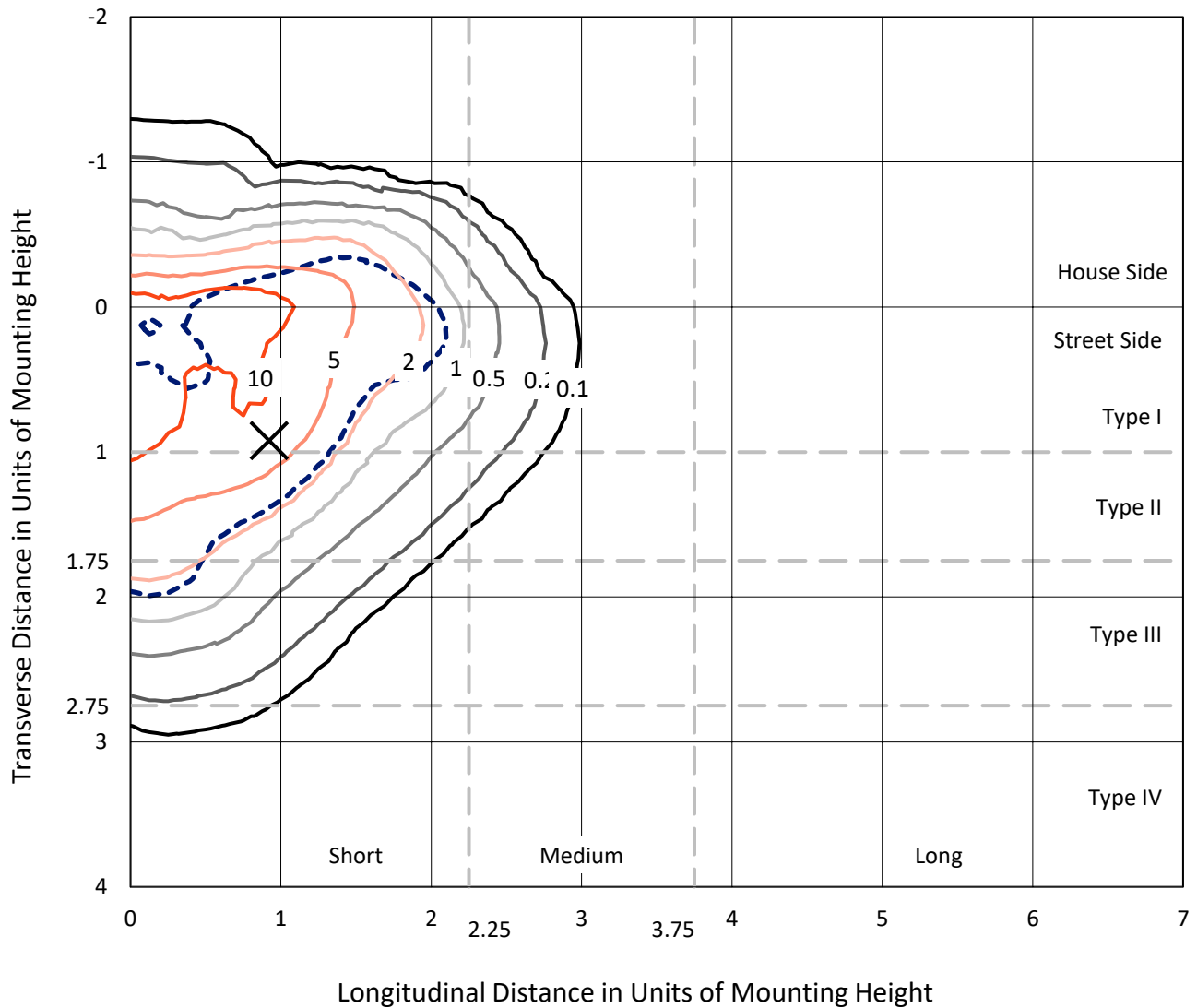
Input Watts (W): 286  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

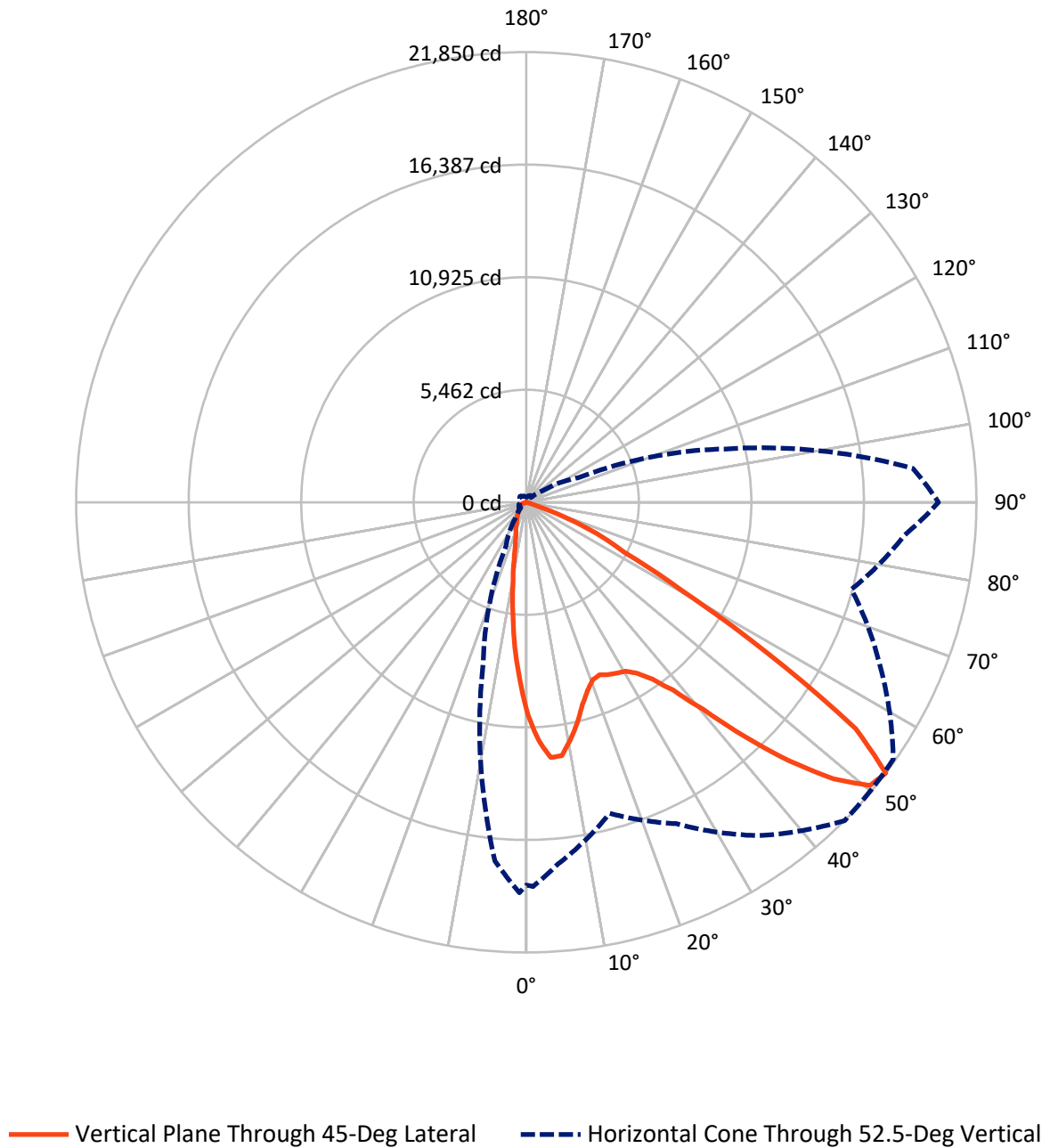
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.9 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4142.2   | 0.0    | 4142.2  |
|                    | % Fixture | 20.3     | 0.0    | 20.3    |
| <b>Street Side</b> | Lumens    | 16267.8  | 0.0    | 16267.8 |
|                    | % Fixture | 79.7     | 0.0    | 79.7    |
| <b>Total</b>       | Lumens    | 20410.0  | 0.0    | 20410.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 754.7   | 3.7       |
| 10°-20°   | 1489.0  | 7.3       |
| 20°-30°   | 2266.1  | 11.1      |
| 30°-40°   | 3386.9  | 16.6      |
| 40°-50°   | 4823.3  | 23.6      |
| 50°-60°   | 5184.9  | 25.4      |
| 60°-70°   | 2297.5  | 11.3      |
| 70°-80°   | 185.9   | 0.9       |
| 80°-90°   | 21.7    | 0.1       |
| 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°    | 20410.0 | 100.0     |
| 0°-180°   | 20410.0 | 100.0     |

**Coefficient of Utilization**

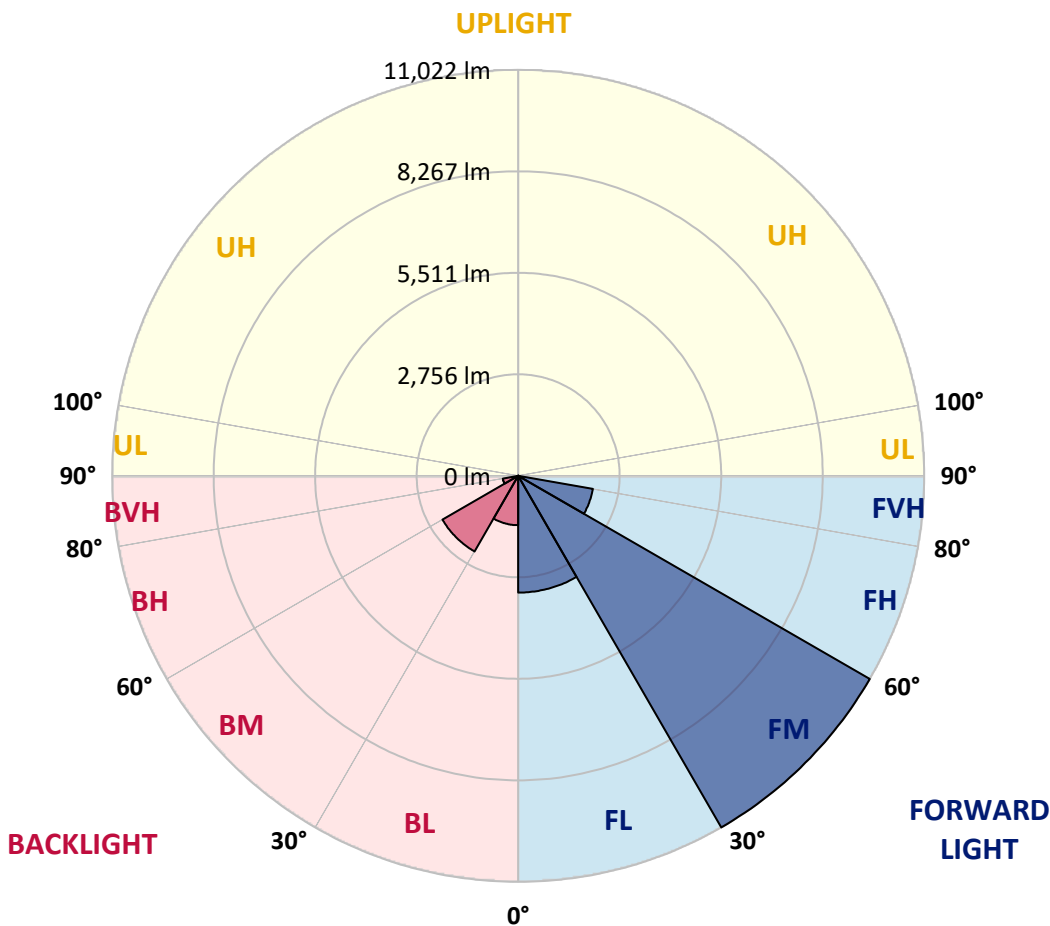


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|---------|-----------|-------------------------|------|---------|
|                |         |           | B                       | U    | G       |
| FL (0°-30°)    | 3170.1  | 15.5      |                         |      |         |
| FM (30°-60°)   | 11022.0 | 54.0      |                         |      |         |
| FH (60°-80°)   | 2059.6  | 10.1      |                         |      | G2/5000 |
| FVH (80°-90°)  | 16.0    | 0.1       |                         |      | G1/100  |
| BL (0°-30°)    | 1339.8  | 6.6       | B3/2500                 |      |         |
| BM (30°-60°)   | 2373.0  | 11.6      | B2/2500                 |      |         |
| BH (60°-80°)   | 423.8   | 2.1       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 5.6     | 0.0       |                         |      | G0/10   |
| UL (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G2**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 1°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 10348.8 | 10348.8 | 10348.8 | 10348.8 | 10348.8 | 10348.8 | 10348.8 | 10348.8 | 10348.8 | 10348.8 | 10348.8 |
| 2.5°  | 10951.0 | 10983.1 | 11159.7 | 11380.5 | 11496.9 | 11761.8 | 11577.2 | 11625.4 | 11525.0 | 11171.7 | 10894.8 |
| 5°    | 10617.8 | 10613.8 | 10838.6 | 11384.5 | 11902.3 | 12428.2 | 12444.3 | 12163.3 | 11669.5 | 11127.6 | 10352.8 |
| 7.5°  | 9614.2  | 9770.8  | 10003.6 | 10874.7 | 11834.1 | 12227.5 | 12416.2 | 12087.0 | 11328.3 | 10553.5 | 9714.6  |
| 10°   | 8855.5  | 8935.8  | 9329.2  | 10380.9 | 11083.4 | 11609.3 | 11725.7 | 11537.0 | 10955.0 | 9987.5  | 9048.2  |
| 12.5° | 8417.9  | 8458.1  | 8919.7  | 9802.9  | 10545.5 | 10934.9 | 10991.1 | 11079.4 | 10661.9 | 9754.7  | 8626.7  |
| 15°   | 8422.0  | 8454.1  | 9076.3  | 9814.9  | 10108.0 | 10003.6 | 10188.2 | 10184.2 | 10364.9 | 9710.5  | 8979.9  |
| 17.5° | 9028.1  | 9064.2  | 9626.2  | 9991.5  | 9863.1  | 9618.2  | 9606.2  | 9790.8  | 10172.2 | 10260.5 | 9513.8  |
| 20°   | 10071.8 | 10156.1 | 10569.6 | 10549.5 | 9827.0  | 9333.2  | 9196.7  | 9337.2  | 10224.4 | 10726.2 | 10589.7 |
| 22.5° | 11476.8 | 11593.2 | 11882.3 | 11328.3 | 9991.5  | 9140.5  | 9096.4  | 9369.3  | 10569.6 | 11765.9 | 11810.0 |
| 25°   | 13106.6 | 13303.3 | 13443.8 | 12733.3 | 10577.6 | 9473.7  | 9265.0  | 9734.6  | 11035.3 | 12893.9 | 13363.5 |
| 27.5° | 14186.5 | 14391.2 | 14359.1 | 13343.5 | 10971.0 | 9562.0  | 9385.4  | 9822.9  | 11440.7 | 13162.8 | 14174.4 |
| 30°   | 15029.5 | 15153.9 | 15378.7 | 13672.6 | 11364.4 | 9810.9  | 9509.8  | 10196.3 | 11573.2 | 13628.5 | 15153.9 |
| 32.5° | 16013.0 | 16097.3 | 16113.3 | 14254.7 | 11970.6 | 10124.0 | 9895.2  | 10661.9 | 12159.3 | 14074.1 | 16021.0 |
| 35°   | 17004.5 | 17128.9 | 16868.0 | 14973.3 | 12343.9 | 10706.1 | 10537.5 | 11468.8 | 12628.9 | 14535.7 | 16976.4 |
| 37.5° | 18080.3 | 18144.6 | 17542.4 | 15270.3 | 12877.8 | 11653.5 | 11561.1 | 12339.9 | 13443.8 | 15370.7 | 18036.2 |
| 40°   | 18983.5 | 19043.8 | 18261.0 | 15635.6 | 13439.8 | 12978.2 | 13215.0 | 14001.8 | 14551.8 | 15912.6 | 18566.1 |
| 42.5° | 19485.3 | 19625.8 | 18501.8 | 15434.9 | 14567.8 | 14479.5 | 15531.3 | 15808.2 | 15836.3 | 16065.2 | 19039.7 |
| 45°   | 19621.8 | 19557.6 | 18104.4 | 15599.5 | 15555.3 | 16948.3 | 17903.7 | 18269.0 | 17112.9 | 16346.2 | 19160.2 |
| 47.5° | 18991.6 | 19075.9 | 17518.3 | 15455.0 | 16852.0 | 18819.0 | 20055.4 | 20733.8 | 18064.3 | 16101.3 | 18863.1 |
| 50°   | 18481.8 | 18373.4 | 17329.7 | 15350.6 | 17201.2 | 19702.1 | 21608.9 | 21761.4 | 18939.4 | 16402.4 | 18538.0 |
| 52.5° | 18582.1 | 18650.4 | 17630.7 | 15627.6 | 17209.2 | 19754.3 | 21849.7 | 21745.4 | 18967.5 | 16334.1 | 18421.5 |
| 55°   | 18794.9 | 18493.8 | 17502.3 | 15017.4 | 16057.1 | 18297.1 | 19393.0 | 19232.4 | 17506.3 | 15607.5 | 18136.5 |
| 57.5° | 16217.7 | 16683.4 | 16093.3 | 13407.7 | 13178.9 | 13785.0 | 13765.0 | 14258.7 | 13058.5 | 13431.8 | 16510.7 |
| 60°   | 13162.8 | 13243.1 | 13463.9 | 11468.8 | 9120.4  | 8911.7  | 8622.7  | 8309.6  | 8787.3  | 11484.9 | 15017.4 |
| 62.5° | 11577.2 | 11480.8 | 12267.6 | 10433.1 | 6438.9  | 5391.2  | 5343.0  | 5535.7  | 6780.1  | 10955.0 | 14086.1 |
| 65°   | 8413.9  | 8534.4  | 9104.4  | 8096.8  | 4833.2  | 4114.6  | 4042.4  | 4612.4  | 5487.5  | 8779.2  | 10750.2 |
| 67.5° | 5138.3  | 5371.1  | 5423.3  | 4993.8  | 3279.7  | 2605.3  | 2500.9  | 3018.7  | 3962.1  | 5680.2  | 6302.4  |
| 70°   | 2372.4  | 2653.4  | 2918.4  | 2725.7  | 1898.8  | 1071.8  | 1011.6  | 1268.5  | 1999.1  | 3267.6  | 3343.9  |
| 72.5° | 718.6   | 722.6   | 1011.6  | 1055.8  | 614.2   | 240.9   | 212.8   | 281.0   | 678.4   | 1079.8  | 1136.0  |
| 75°   | 52.2    | 56.2    | 136.5   | 156.6   | 116.4   | 60.2    | 64.2    | 76.3    | 144.5   | 240.9   | 180.6   |
| 77.5° | 4.0     | 4.0     | 4.0     | 20.1    | 36.1    | 40.1    | 52.2    | 60.2    | 76.3    | 88.3    | 80.3    |
| 80°   | 4.0     | 0.0     | 4.0     | 16.1    | 28.1    | 40.1    | 48.2    | 56.2    | 60.2    | 68.2    | 60.2    |
| 82.5° | 0.0     | 0.0     | 0.0     | 12.0    | 28.1    | 40.1    | 44.2    | 60.2    | 68.2    | 80.3    | 68.2    |
| 85°   | 0.0     | 0.0     | 0.0     | 12.0    | 28.1    | 44.2    | 40.1    | 20.1    | 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):**

|       | 90°     | 95°     | 105°    | 115°    | 125°    | 135°    | 145°    | 155°    | 165°    | 175°    | 180°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 10348.8 | 10348.8 | 10348.8 | 10348.8 | 10348.8 | 10348.8 | 10348.8 | 10348.8 | 10348.8 | 10348.8 | 10348.8 |
| 2.5°  | 10942.9 | 10786.4 | 10429.1 | 10248.5 | 9822.9  | 9762.7  | 9345.2  | 9277.0  | 9136.5  | 9060.2  | 8875.6  |
| 5°    | 10011.6 | 9822.9  | 9240.9  | 8751.1  | 8181.1  | 7783.7  | 7478.6  | 7201.6  | 7041.1  | 6892.5  | 6960.8  |
| 7.5°  | 9252.9  | 8703.0  | 8056.7  | 7237.8  | 6579.4  | 6153.9  | 5688.2  | 5306.9  | 5082.1  | 4929.5  | 4965.7  |
| 10°   | 8458.1  | 8100.8  | 7201.6  | 6282.4  | 5487.5  | 5186.5  | 4821.2  | 4528.1  | 4211.0  | 3938.0  | 3809.6  |
| 12.5° | 8209.2  | 7679.3  | 6551.3  | 5616.0  | 5013.8  | 4720.8  | 4303.3  | 3966.1  | 3560.7  | 3227.5  | 3111.1  |
| 15°   | 8253.4  | 7743.5  | 6374.7  | 5375.1  | 4664.6  | 4158.8  | 3661.0  | 3243.5  | 2798.0  | 2565.1  | 2444.7  |
| 17.5° | 8971.9  | 8088.8  | 6491.1  | 5122.2  | 4178.9  | 3476.4  | 2862.2  | 2332.3  | 1999.1  | 1758.3  | 1706.1  |
| 20°   | 9855.1  | 8835.4  | 6740.0  | 4937.6  | 3781.5  | 2765.8  | 2091.4  | 1633.8  | 1356.8  | 1316.7  | 1304.6  |
| 22.5° | 11147.7 | 10055.8 | 7273.9  | 4813.1  | 3295.7  | 2155.7  | 1433.1  | 1188.2  | 1112.0  | 1103.9  | 1107.9  |
| 25°   | 12954.1 | 11585.2 | 7855.9  | 4708.8  | 2930.4  | 1661.9  | 1172.2  | 1007.6  | 983.5   | 971.5   | 991.5   |
| 27.5° | 13736.9 | 12508.5 | 8165.0  | 4484.0  | 2597.2  | 1497.3  | 1156.1  | 999.6   | 931.3   | 911.2   | 923.3   |
| 30°   | 14704.3 | 13122.7 | 8650.8  | 4098.6  | 2107.5  | 1232.4  | 1079.8  | 1087.9  | 1055.8  | 955.4   | 923.3   |
| 32.5° | 15988.9 | 13889.4 | 8895.6  | 3825.6  | 1882.7  | 1019.6  | 790.8   | 726.6   | 810.9   | 826.9   | 855.0   |
| 35°   | 16811.8 | 14668.2 | 9020.1  | 3665.0  | 1766.3  | 871.1   | 670.4   | 610.2   | 590.1   | 594.1   | 610.2   |
| 37.5° | 18341.3 | 15719.9 | 9176.6  | 3496.4  | 1678.0  | 758.7   | 606.2   | 550.0   | 521.9   | 521.9   | 537.9   |
| 40°   | 19256.5 | 16554.9 | 9389.4  | 3404.1  | 1589.7  | 690.5   | 550.0   | 501.8   | 477.7   | 477.7   | 485.7   |
| 42.5° | 19485.3 | 16968.4 | 9317.1  | 3372.0  | 1489.3  | 674.4   | 501.8   | 465.7   | 437.6   | 433.5   | 429.5   |
| 45°   | 19894.8 | 17598.6 | 9329.2  | 3335.9  | 1384.9  | 614.2   | 473.7   | 433.5   | 393.4   | 389.4   | 385.4   |
| 47.5° | 20344.4 | 18052.2 | 9353.3  | 3195.4  | 1284.6  | 513.8   | 493.8   | 401.4   | 353.3   | 345.2   | 345.2   |
| 50°   | 19959.0 | 18413.5 | 9562.0  | 3054.9  | 1156.1  | 417.5   | 485.7   | 377.3   | 313.1   | 301.1   | 305.1   |
| 52.5° | 20007.2 | 18839.0 | 10003.6 | 2858.2  | 995.5   | 333.2   | 393.4   | 357.3   | 285.0   | 264.9   | 269.0   |
| 55°   | 19236.4 | 18389.4 | 10063.8 | 2649.4  | 778.8   | 256.9   | 301.1   | 313.1   | 240.9   | 232.8   | 232.8   |
| 57.5° | 16558.9 | 15571.4 | 8879.6  | 2147.6  | 513.8   | 212.8   | 216.8   | 273.0   | 208.7   | 200.7   | 204.7   |
| 60°   | 14170.4 | 12500.5 | 7145.4  | 1417.0  | 321.1   | 168.6   | 156.6   | 277.0   | 184.7   | 180.6   | 192.7   |
| 62.5° | 12918.0 | 10272.5 | 5419.3  | 879.1   | 220.8   | 128.5   | 108.4   | 224.8   | 160.6   | 160.6   | 176.6   |
| 65°   | 9333.2  | 6900.6  | 3151.2  | 461.6   | 156.6   | 100.4   | 80.3    | 128.5   | 132.5   | 136.5   | 144.5   |
| 67.5° | 5780.6  | 3484.4  | 1328.7  | 224.8   | 104.4   | 68.2    | 52.2    | 80.3    | 88.3    | 88.3    | 96.3    |
| 70°   | 2854.2  | 1388.9  | 441.6   | 128.5   | 80.3    | 56.2    | 36.1    | 44.2    | 44.2    | 40.1    | 44.2    |
| 72.5° | 883.1   | 417.5   | 112.4   | 80.3    | 56.2    | 36.1    | 20.1    | 16.1    | 8.0     | 0.0     | 4.0     |
| 75°   | 100.4   | 80.3    | 72.3    | 56.2    | 36.1    | 16.1    | 4.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 77.5° | 60.2    | 68.2    | 68.2    | 56.2    | 36.1    | 12.0    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 80°   | 48.2    | 52.2    | 56.2    | 52.2    | 32.1    | 16.1    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 82.5° | 60.2    | 68.2    | 76.3    | 68.2    | 44.2    | 20.1    | 8.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 85°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 12.0    | 4.0     | 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°    | 10348.8 | 10348.8 | 10348.8 | 10348.8 | 10348.8 | 10348.8 | 10348.8 | 10348.8 | 10348.8 | 10348.8 | 10348.8 |
| 2.5°  | 8799.3  | 8711.0  | 8835.4  | 8650.8  | 8646.8  | 8650.8  | 8598.6  | 8550.4  | 8626.7  | 8831.4  | 8851.5  |
| 5°    | 6715.9  | 6904.6  | 6964.8  | 7161.5  | 7053.1  | 6892.5  | 6924.6  | 6816.3  | 7081.2  | 7197.6  | 7105.3  |
| 7.5°  | 4889.4  | 4877.4  | 5282.8  | 5306.9  | 5359.1  | 5363.1  | 5355.1  | 5142.3  | 4925.5  | 4973.7  | 5118.2  |
| 10°   | 3793.5  | 3588.8  | 3785.5  | 3765.4  | 3893.9  | 3857.7  | 3909.9  | 3681.1  | 3757.4  | 3757.4  | 3849.7  |
| 12.5° | 3091.0  | 2874.2  | 2838.1  | 2785.9  | 2838.1  | 2858.2  | 2878.2  | 2834.1  | 2962.5  | 3022.8  | 3087.0  |
| 15°   | 2360.4  | 2240.0  | 2207.9  | 2107.5  | 2123.6  | 2179.8  | 2227.9  | 2248.0  | 2207.9  | 2300.2  | 2308.2  |
| 17.5° | 1714.1  | 1710.1  | 1730.2  | 1726.1  | 1710.1  | 1698.0  | 1694.0  | 1641.8  | 1625.8  | 1633.8  | 1665.9  |
| 20°   | 1300.6  | 1332.7  | 1401.0  | 1469.2  | 1505.4  | 1461.2  | 1401.0  | 1312.7  | 1276.5  | 1284.6  | 1288.6  |
| 22.5° | 1112.0  | 1160.1  | 1252.5  | 1328.7  | 1364.9  | 1284.6  | 1176.2  | 1099.9  | 1083.9  | 1079.8  | 1075.8  |
| 25°   | 1007.6  | 1063.8  | 1132.0  | 1156.1  | 1152.1  | 1103.9  | 1023.6  | 991.5   | 983.5   | 975.5   | 939.3   |
| 27.5° | 951.4   | 971.5   | 983.5   | 1011.6  | 1023.6  | 991.5   | 971.5   | 923.3   | 915.3   | 915.3   | 891.2   |
| 30°   | 919.3   | 907.2   | 923.3   | 903.2   | 919.3   | 895.2   | 899.2   | 899.2   | 879.1   | 887.2   | 887.2   |
| 32.5° | 855.0   | 859.1   | 859.1   | 818.9   | 831.0   | 802.9   | 831.0   | 855.0   | 859.1   | 863.1   | 895.2   |
| 35°   | 626.2   | 698.5   | 734.6   | 734.6   | 746.7   | 726.6   | 722.6   | 694.5   | 658.3   | 622.2   | 606.2   |
| 37.5° | 550.0   | 578.1   | 626.2   | 654.3   | 674.4   | 658.3   | 622.2   | 578.1   | 558.0   | 541.9   | 525.9   |
| 40°   | 489.7   | 513.8   | 545.9   | 578.1   | 618.2   | 598.1   | 541.9   | 521.9   | 497.8   | 497.8   | 481.7   |
| 42.5° | 441.6   | 453.6   | 473.7   | 521.9   | 566.0   | 525.9   | 485.7   | 469.7   | 457.6   | 453.6   | 449.6   |
| 45°   | 397.4   | 401.4   | 421.5   | 461.6   | 513.8   | 473.7   | 433.5   | 413.5   | 417.5   | 421.5   | 417.5   |
| 47.5° | 357.3   | 365.3   | 377.3   | 425.5   | 457.6   | 437.6   | 393.4   | 381.4   | 381.4   | 381.4   | 385.4   |
| 50°   | 309.1   | 329.2   | 353.3   | 393.4   | 417.5   | 405.4   | 369.3   | 353.3   | 345.2   | 345.2   | 349.2   |
| 52.5° | 277.0   | 293.0   | 325.2   | 373.3   | 405.4   | 385.4   | 349.2   | 325.2   | 309.1   | 305.1   | 313.1   |
| 55°   | 240.9   | 269.0   | 321.1   | 357.3   | 401.4   | 381.4   | 341.2   | 313.1   | 285.0   | 281.0   | 281.0   |
| 57.5° | 216.8   | 260.9   | 309.1   | 353.3   | 389.4   | 373.3   | 341.2   | 305.1   | 269.0   | 264.9   | 264.9   |
| 60°   | 204.7   | 252.9   | 301.1   | 341.2   | 389.4   | 365.3   | 337.2   | 297.1   | 256.9   | 256.9   | 252.9   |
| 62.5° | 192.7   | 236.8   | 285.0   | 325.2   | 373.3   | 353.3   | 325.2   | 285.0   | 244.9   | 244.9   | 236.8   |
| 65°   | 160.6   | 204.7   | 236.8   | 273.0   | 325.2   | 305.1   | 277.0   | 248.9   | 216.8   | 208.7   | 212.8   |
| 67.5° | 112.4   | 140.5   | 172.6   | 208.7   | 240.9   | 232.8   | 220.8   | 200.7   | 172.6   | 168.6   | 164.6   |
| 70°   | 56.2    | 76.3    | 104.4   | 140.5   | 168.6   | 160.6   | 152.5   | 136.5   | 120.4   | 116.4   | 116.4   |
| 72.5° | 8.0     | 24.1    | 44.2    | 64.2    | 88.3    | 92.3    | 88.3    | 84.3    | 80.3    | 76.3    | 80.3    |
| 75°   | 0.0     | 0.0     | 0.0     | 16.1    | 36.1    | 44.2    | 52.2    | 60.2    | 60.2    | 52.2    | 64.2    |
| 77.5° | 0.0     | 0.0     | 0.0     | 0.0     | 4.0     | 20.1    | 40.1    | 52.2    | 64.2    | 56.2    | 76.3    |
| 80°   | 0.0     | 0.0     | 0.0     | 0.0     | 4.0     | 24.1    | 40.1    | 56.2    | 64.2    | 56.2    | 80.3    |
| 82.5° | 0.0     | 0.0     | 0.0     | 0.0     | 4.0     | 28.1    | 40.1    | 52.2    | 60.2    | 56.2    | 72.3    |
| 85°   | 0.0     | 0.0     | 0.0     | 0.0     | 12.0    | 24.1    | 16.1    | 8.0     | 4.0     | 4.0     | 12.0    |
| 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: P531953

CATALOG NUMBER: GALN-SA7B-735-U-SLL-GRSBK

**CANDELA DISTRIBUTION (continued):**

|       | 285°    | 295°    | 305°    | 315°    | 325°    | 335°    | 345°    | 355°    | 359°    | 360°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 10348.8 | 10348.8 | 10348.8 | 10348.8 | 10348.8 | 10348.8 | 10348.8 | 10348.8 | 10348.8 | 10348.8 |
| 2.5°  | 8963.9  | 9248.9  | 9554.0  | 9670.4  | 10031.7 | 10304.7 | 10489.3 | 10886.7 | 10946.9 | 10951.0 |
| 5°    | 7201.6  | 7346.1  | 7868.0  | 8112.9  | 8650.8  | 9068.3  | 9513.8  | 10156.1 | 10585.7 | 10617.8 |
| 7.5°  | 5118.2  | 5519.6  | 5740.4  | 6378.7  | 7041.1  | 7695.4  | 8357.7  | 9104.4  | 9602.2  | 9614.2  |
| 10°   | 4118.7  | 4379.6  | 4773.0  | 5250.7  | 5808.7  | 6475.0  | 7358.2  | 8225.3  | 8731.1  | 8855.5  |
| 12.5° | 3315.8  | 3773.4  | 4223.0  | 4716.8  | 5142.3  | 5644.1  | 6595.5  | 7751.6  | 8169.1  | 8417.9  |
| 15°   | 2553.1  | 2970.6  | 3500.5  | 4078.5  | 4560.2  | 5230.6  | 6314.5  | 7635.2  | 8337.7  | 8422.0  |
| 17.5° | 1882.7  | 2256.0  | 2745.8  | 3291.7  | 4014.3  | 4965.7  | 6362.6  | 8225.3  | 8887.6  | 9028.1  |
| 20°   | 1352.8  | 1569.6  | 1955.0  | 2589.2  | 3508.5  | 4656.6  | 6410.8  | 8823.4  | 9831.0  | 10071.8 |
| 22.5° | 1071.8  | 1160.1  | 1413.0  | 1975.0  | 2942.5  | 4331.4  | 6752.0  | 9967.5  | 11127.6 | 11476.8 |
| 25°   | 931.3   | 979.5   | 1099.9  | 1557.5  | 2585.2  | 4299.3  | 7298.0  | 11340.3 | 12853.7 | 13106.6 |
| 27.5° | 899.2   | 907.2   | 1011.6  | 1429.1  | 2392.5  | 4086.5  | 7506.7  | 12315.8 | 13929.6 | 14186.5 |
| 30°   | 947.4   | 1075.8  | 1083.9  | 1208.3  | 2035.2  | 3665.0  | 7615.1  | 13259.2 | 14840.8 | 15029.5 |
| 32.5° | 818.9   | 778.8   | 806.9   | 935.3   | 1790.4  | 3420.2  | 7819.8  | 14082.1 | 15880.5 | 16013.0 |
| 35°   | 570.0   | 598.1   | 662.4   | 810.9   | 1565.6  | 3163.3  | 7872.0  | 14989.3 | 16868.0 | 17004.5 |
| 37.5° | 525.9   | 541.9   | 594.1   | 690.5   | 1376.9  | 3018.7  | 7799.7  | 15651.7 | 17891.7 | 18080.3 |
| 40°   | 489.7   | 509.8   | 537.9   | 626.2   | 1236.4  | 2858.2  | 7699.4  | 16249.8 | 18517.9 | 18983.5 |
| 42.5° | 461.6   | 477.7   | 501.8   | 598.1   | 1116.0  | 2697.6  | 7558.9  | 17092.8 | 19079.9 | 19485.3 |
| 45°   | 429.5   | 453.6   | 481.7   | 582.1   | 1047.7  | 2589.2  | 7454.5  | 17040.6 | 19405.0 | 19621.8 |
| 47.5° | 397.4   | 437.6   | 469.7   | 541.9   | 1027.7  | 2537.0  | 7498.7  | 16843.9 | 19140.1 | 18991.6 |
| 50°   | 365.3   | 417.5   | 473.7   | 449.6   | 979.5   | 2432.7  | 7550.9  | 17112.9 | 18509.9 | 18481.8 |
| 52.5° | 337.2   | 397.4   | 441.6   | 369.3   | 871.1   | 2332.3  | 8056.7  | 17466.1 | 18955.4 | 18582.1 |
| 55°   | 297.1   | 357.3   | 353.3   | 297.1   | 706.5   | 2256.0  | 8454.1  | 17474.2 | 18654.4 | 18794.9 |
| 57.5° | 269.0   | 317.1   | 277.0   | 248.9   | 521.9   | 1886.7  | 7807.8  | 14652.1 | 15968.8 | 16217.7 |
| 60°   | 248.9   | 309.1   | 208.7   | 196.7   | 341.2   | 1360.8  | 6816.3  | 11348.4 | 12693.2 | 13162.8 |
| 62.5° | 228.8   | 293.0   | 164.6   | 160.6   | 236.8   | 967.4   | 5603.9  | 9497.8  | 10938.9 | 11577.2 |
| 65°   | 200.7   | 208.7   | 132.5   | 124.4   | 168.6   | 521.9   | 3412.1  | 6539.3  | 8177.1  | 8413.9  |
| 67.5° | 164.6   | 160.6   | 108.4   | 100.4   | 112.4   | 252.9   | 1505.4  | 3275.7  | 4740.9  | 5138.3  |
| 70°   | 132.5   | 132.5   | 92.3    | 80.3    | 80.3    | 116.4   | 393.4   | 1304.6  | 2143.6  | 2372.4  |
| 72.5° | 96.3    | 100.4   | 72.3    | 64.2    | 60.2    | 56.2    | 64.2    | 260.9   | 562.0   | 718.6   |
| 75°   | 84.3    | 88.3    | 72.3    | 56.2    | 44.2    | 36.1    | 28.1    | 24.1    | 32.1    | 52.2    |
| 77.5° | 92.3    | 92.3    | 76.3    | 52.2    | 40.1    | 28.1    | 16.1    | 8.0     | 8.0     | 4.0     |
| 80°   | 116.4   | 120.4   | 100.4   | 68.2    | 48.2    | 32.1    | 20.1    | 8.0     | 4.0     | 4.0     |
| 82.5° | 124.4   | 136.5   | 112.4   | 84.3    | 60.2    | 36.1    | 20.1    | 4.0     | 0.0     | 0.0     |
| 85°   | 32.1    | 52.2    | 88.3    | 76.3    | 60.2    | 36.1    | 20.1    | 4.0     | 0.0     | 0.0     |
| 87.5° | 0.0     | 4.0     | 12.0    | 12.0    | 16.1    | 16.1    | 12.0    | 4.0     | 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     |

(END OF REPORT)