

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P634349

Luminaire Tested: GWS-SA3B-750-U-SL3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634349  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-750-U-SL3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

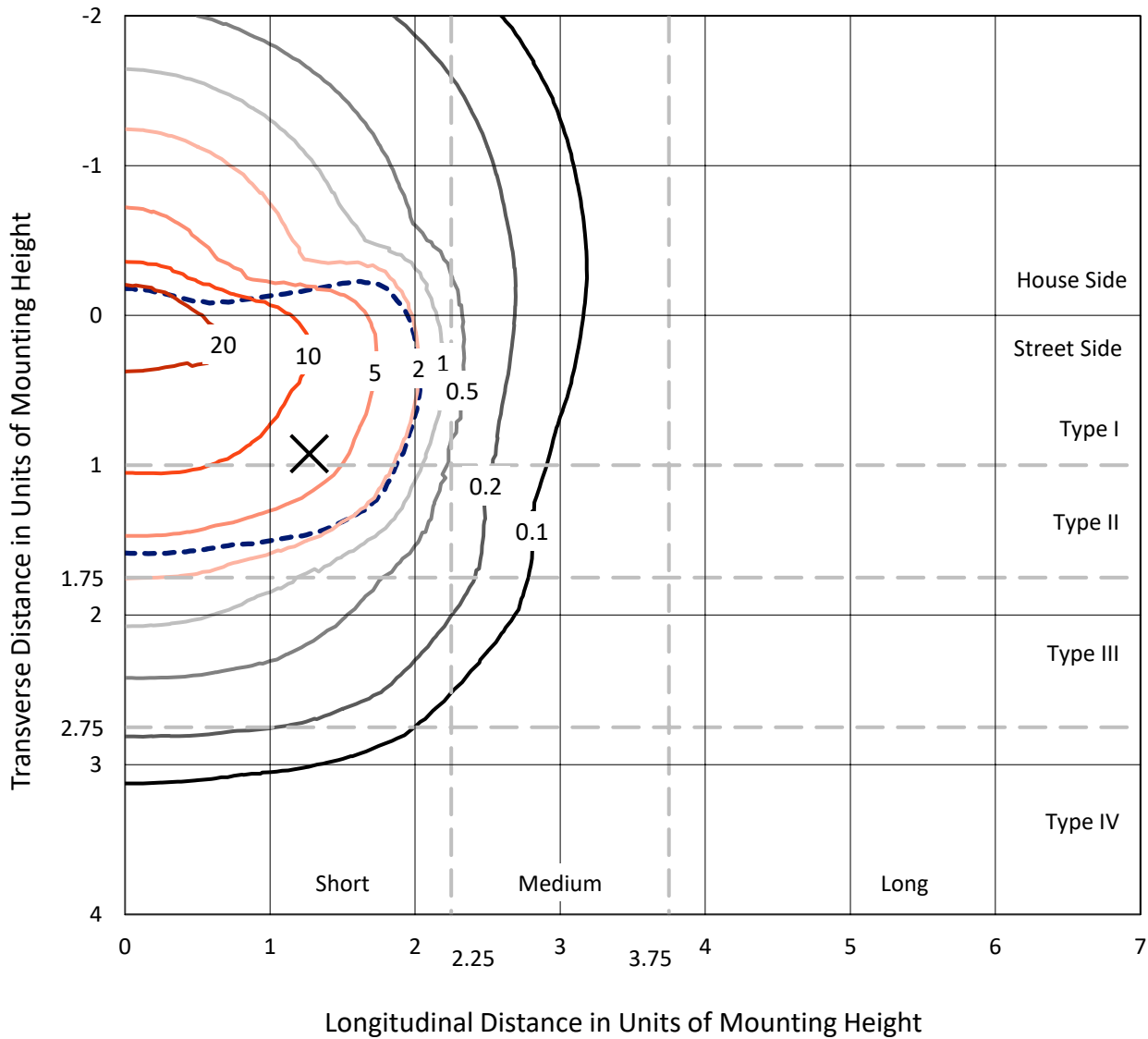
Lumens per Lamp: N/A  
Luminaire Lumens: 8910.3 lumens  
Efficiency: N/A  
Efficacy: 130.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

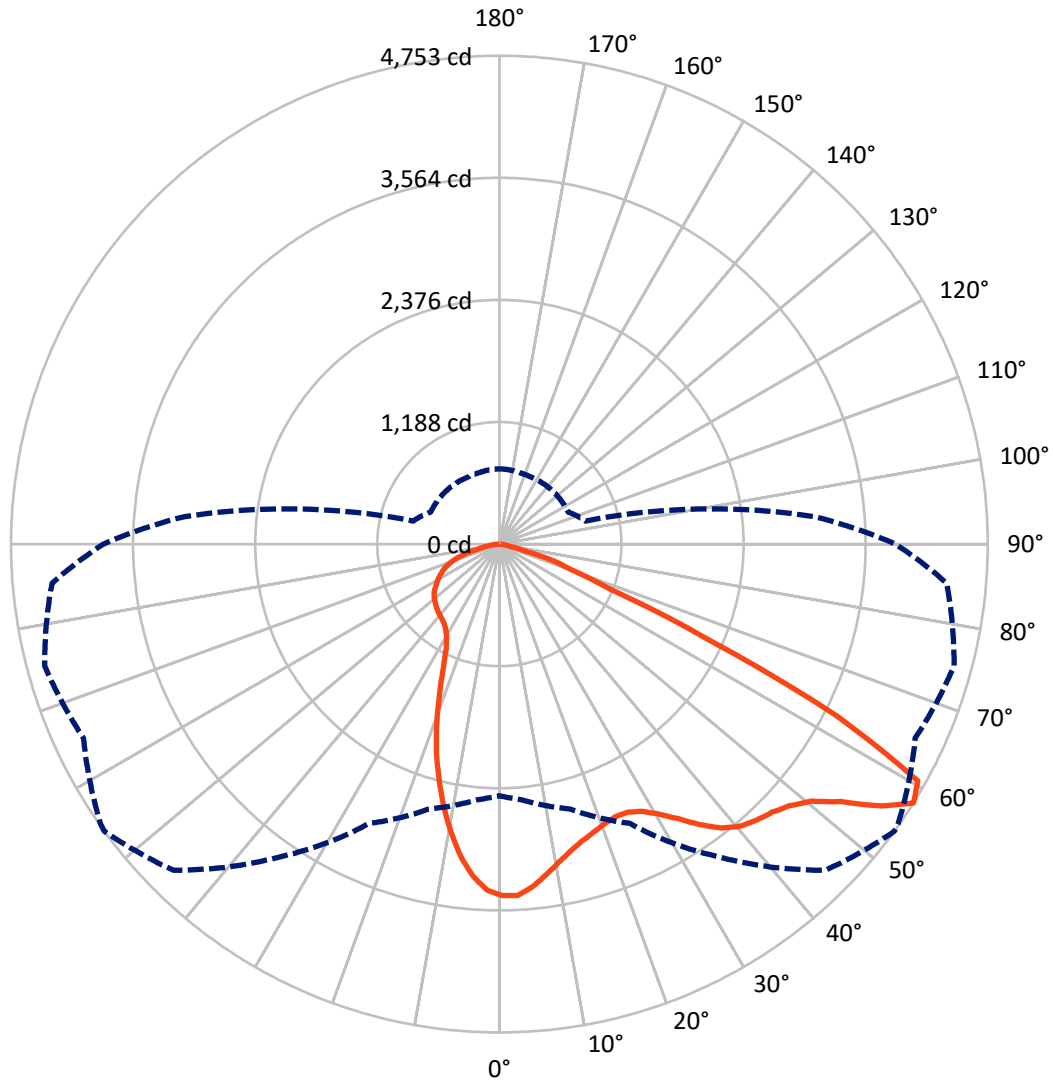
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 34.2 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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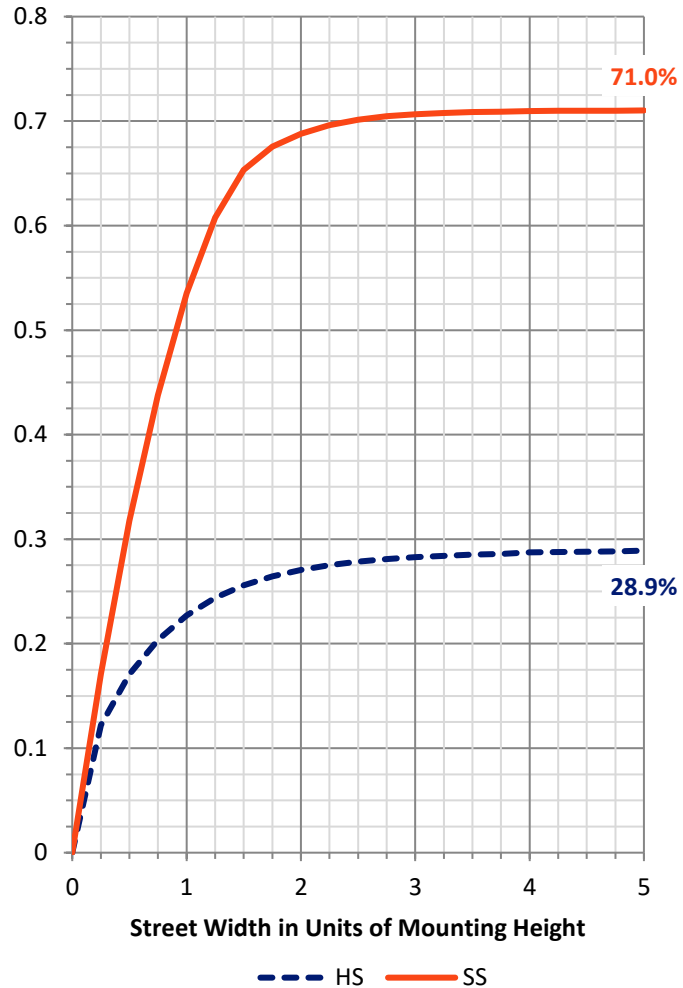
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2590.3   | 0.0    | 2590.3 |
|                    | % Fixture | 29.1     | 0.0    | 29.1   |
| <b>Street Side</b> | Lumens    | 6320.0   | 0.0    | 6320.0 |
|                    | % Fixture | 70.9     | 0.0    | 70.9   |
| <b>Total</b>       | Lumens    | 8910.3   | 0.0    | 8910.3 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 300.7  | 3.4       |
| 10°-20°   | 717.5  | 8.1       |
| 20°-30°   | 992.9  | 11.1      |
| 30°-40°   | 1379.6 | 15.5      |
| 40°-50°   | 1822.1 | 20.4      |
| 50°-60°   | 2165.3 | 24.3      |
| 60°-70°   | 1199.6 | 13.5      |
| 70°-80°   | 298.7  | 3.4       |
| 80°-90°   | 34.0   | 0.4       |
| 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°    | 8910.3 | 100.0     |
| 0°-180°   | 8910.3 | 100.0     |

**Coefficient of Utilization**



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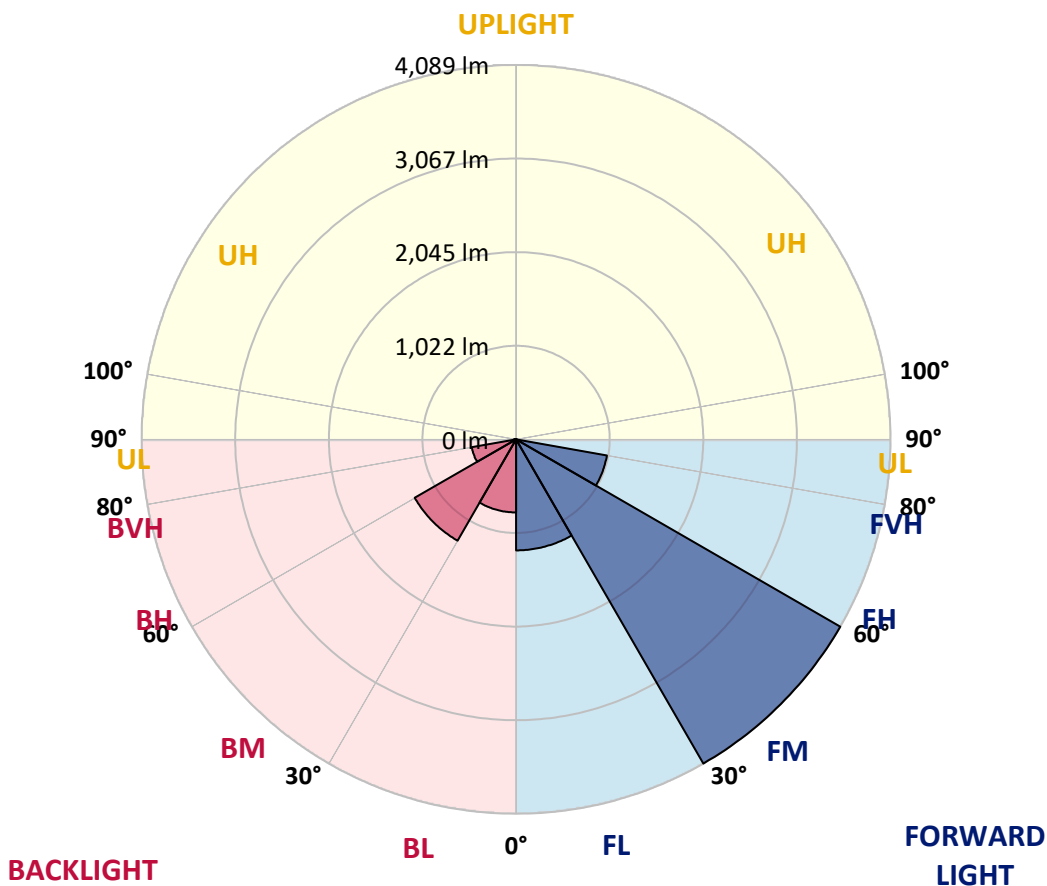
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 1212.8 | 13.6      |                         |      |         |
| FM (30°-60°)   | 4089.1 | 45.9      |                         |      |         |
| FH (60°-80°)   | 1007.4 | 11.3      |                         |      | G1/1800 |
| FVH (80°-90°)  | 10.6   | 0.1       |                         |      | G1/100  |
| BL (0°-30°)    | 798.2  | 9.0       | B2/1000                 |      |         |
| BM (30°-60°)   | 1277.9 | 14.3      | B2/2500                 |      |         |
| BH (60°-80°)   | 490.9  | 5.5       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 23.3   | 0.3       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 54°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3420.9 | 3420.9 | 3420.9 | 3420.9 | 3420.9 | 3420.9 | 3420.9 | 3420.9 | 3420.9 | 3420.9 | 3420.9 |
| 2.5°  | 3356.8 | 3363.7 | 3368.2 | 3384.3 | 3398.0 | 3410.2 | 3423.2 | 3423.2 | 3422.4 | 3420.1 | 3415.5 |
| 5°    | 3224.1 | 3231.7 | 3242.4 | 3264.5 | 3294.3 | 3315.6 | 3350.7 | 3353.7 | 3369.0 | 3375.1 | 3372.1 |
| 7.5°  | 3070.0 | 3072.3 | 3086.0 | 3115.0 | 3162.3 | 3200.4 | 3250.8 | 3256.9 | 3293.5 | 3314.8 | 3311.0 |
| 10°   | 2901.4 | 2893.8 | 2918.2 | 2960.9 | 3022.7 | 3086.8 | 3151.6 | 3157.0 | 3215.7 | 3256.1 | 3253.1 |
| 12.5° | 2747.4 | 2748.1 | 2772.5 | 2824.4 | 2901.4 | 2980.8 | 3067.7 | 3079.9 | 3152.4 | 3204.2 | 3198.9 |
| 15°   | 2618.5 | 2621.5 | 2651.3 | 2710.0 | 2797.7 | 2892.3 | 3000.6 | 3012.0 | 3103.6 | 3172.2 | 3157.0 |
| 17.5° | 2515.5 | 2518.6 | 2544.5 | 2611.6 | 2705.4 | 2819.8 | 2951.8 | 2963.2 | 3076.9 | 3158.5 | 3127.2 |
| 20°   | 2444.6 | 2443.0 | 2468.2 | 2532.3 | 2629.1 | 2753.5 | 2909.1 | 2925.9 | 3068.5 | 3163.8 | 3107.4 |
| 22.5° | 2415.6 | 2414.8 | 2433.1 | 2485.8 | 2576.5 | 2702.4 | 2883.1 | 2906.0 | 3077.6 | 3187.5 | 3095.2 |
| 25°   | 2430.1 | 2427.0 | 2443.0 | 2481.9 | 2554.4 | 2682.5 | 2890.8 | 2915.2 | 3116.5 | 3236.3 | 3097.5 |
| 27.5° | 2475.1 | 2471.3 | 2485.0 | 2520.1 | 2575.0 | 2703.1 | 2944.2 | 2972.4 | 3198.9 | 3325.5 | 3128.0 |
| 30°   | 2543.7 | 2541.4 | 2555.2 | 2588.7 | 2636.8 | 2771.8 | 3046.4 | 3078.4 | 3326.3 | 3464.3 | 3194.3 |
| 32.5° | 2623.8 | 2620.0 | 2644.4 | 2683.3 | 2739.0 | 2896.9 | 3183.7 | 3225.6 | 3477.3 | 3642.8 | 3305.7 |
| 35°   | 2713.8 | 2710.8 | 2744.3 | 2800.8 | 2880.9 | 3070.8 | 3349.9 | 3395.7 | 3631.4 | 3844.9 | 3453.7 |
| 37.5° | 2801.5 | 2801.5 | 2866.4 | 2950.3 | 3050.9 | 3259.9 | 3506.3 | 3535.3 | 3738.2 | 4024.2 | 3612.3 |
| 40°   | 2879.3 | 2883.9 | 2981.5 | 3107.4 | 3235.5 | 3430.8 | 3609.3 | 3633.7 | 3785.5 | 4147.8 | 3750.4 |
| 42.5° | 2965.5 | 2969.3 | 3083.0 | 3247.7 | 3400.3 | 3568.8 | 3671.8 | 3684.0 | 3794.6 | 4209.5 | 3848.0 |
| 45°   | 3034.2 | 3039.5 | 3180.6 | 3356.8 | 3543.7 | 3672.6 | 3721.4 | 3732.1 | 3807.6 | 4243.1 | 3918.9 |
| 47.5° | 3070.0 | 3077.6 | 3239.3 | 3444.5 | 3640.5 | 3765.6 | 3803.0 | 3807.6 | 3861.0 | 4301.8 | 4004.4 |
| 50°   | 3063.9 | 3079.2 | 3261.5 | 3488.0 | 3712.2 | 3859.4 | 3934.2 | 3941.8 | 3970.0 | 4388.0 | 4104.3 |
| 52.5° | 3118.1 | 3124.9 | 3308.7 | 3539.9 | 3814.4 | 4032.6 | 4162.2 | 4172.9 | 4160.0 | 4452.8 | 4163.8 |
| 55°   | 3028.1 | 3060.9 | 3250.0 | 3532.2 | 3970.0 | 4300.3 | 4500.1 | 4494.8 | 4332.3 | 4525.3 | 4262.9 |
| 57.5° | 2449.1 | 2497.2 | 2670.3 | 2998.3 | 3713.8 | 4487.9 | 4752.6 | 4739.6 | 4465.8 | 4581.0 | 4370.5 |
| 60°   | 1695.6 | 1703.2 | 1859.5 | 2092.2 | 2866.4 | 3964.7 | 4678.6 | 4706.8 | 4490.2 | 4510.8 | 4171.4 |
| 62.5° | 1356.1 | 1353.9 | 1368.3 | 1374.4 | 1822.9 | 2787.0 | 3693.2 | 3796.1 | 3730.5 | 3514.7 | 2956.4 |
| 65°   | 1157.8 | 1166.2 | 1208.9 | 1186.8 | 1189.9 | 1569.7 | 2206.6 | 2221.1 | 2175.3 | 2097.5 | 1563.6 |
| 67.5° | 906.1  | 920.6  | 996.1  | 1082.3 | 1054.9 | 1010.6 | 1144.9 | 1138.0 | 897.0  | 694.1  | 573.6  |
| 70°   | 567.5  | 576.6  | 657.5  | 849.7  | 918.3  | 829.9  | 736.0  | 733.0  | 480.5  | 395.1  | 433.2  |
| 72.5° | 331.0  | 332.6  | 355.4  | 473.7  | 609.4  | 567.5  | 541.5  | 521.7  | 308.9  | 315.0  | 345.5  |
| 75°   | 182.3  | 182.3  | 181.5  | 204.4  | 240.3  | 212.8  | 205.9  | 200.6  | 206.7  | 234.2  | 257.0  |
| 77.5° | 38.1   | 38.9   | 41.2   | 54.2   | 70.2   | 85.4   | 107.5  | 108.3  | 135.0  | 156.4  | 174.7  |
| 80°   | 17.5   | 18.3   | 22.9   | 29.0   | 37.4   | 49.6   | 65.6   | 66.4   | 81.6   | 98.4   | 110.6  |
| 82.5° | 9.2    | 9.9    | 12.2   | 15.3   | 19.8   | 25.9   | 36.6   | 36.6   | 48.8   | 58.0   | 65.6   |
| 85°   | 3.1    | 3.1    | 4.6    | 6.1    | 8.4    | 10.7   | 14.5   | 14.5   | 21.4   | 28.2   | 32.8   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.8    | 1.5    | 3.1    | 3.1    | 3.8    | 4.6    | 7.6    |
| 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°    | 3420.9 | 3420.9 | 3420.9 | 3420.9 | 3420.9 | 3420.9 | 3420.9 | 3420.9 | 3420.9 | 3420.9 | 3420.9 |
| 2.5°  | 3405.6 | 3382.0 | 3382.7 | 3387.3 | 3372.8 | 3350.7 | 3336.2 | 3317.9 | 3306.5 | 3304.2 | 3312.6 |
| 5°    | 3356.8 | 3329.3 | 3310.3 | 3290.4 | 3249.3 | 3200.4 | 3162.3 | 3131.0 | 3110.4 | 3102.8 | 3093.7 |
| 7.5°  | 3289.7 | 3253.8 | 3205.8 | 3150.1 | 3075.3 | 2988.4 | 2927.4 | 2870.2 | 2830.5 | 2819.1 | 2813.7 |
| 10°   | 3222.6 | 3170.7 | 3085.3 | 2981.5 | 2857.2 | 2739.7 | 2629.1 | 2544.5 | 2477.4 | 2439.2 | 2451.4 |
| 12.5° | 3153.1 | 3089.1 | 2955.6 | 2796.2 | 2623.0 | 2446.1 | 2301.2 | 2160.8 | 2052.5 | 1998.4 | 1982.3 |
| 15°   | 3092.1 | 3005.2 | 2819.1 | 2603.2 | 2372.9 | 2150.1 | 1940.4 | 1729.9 | 1592.6 | 1517.8 | 1497.2 |
| 17.5° | 3040.3 | 2927.4 | 2674.9 | 2406.4 | 2131.1 | 1813.8 | 1556.0 | 1360.7 | 1266.9 | 1225.7 | 1222.7 |
| 20°   | 2989.2 | 2851.1 | 2532.3 | 2194.4 | 1851.9 | 1496.5 | 1266.1 | 1174.6 | 1141.1 | 1126.6 | 1125.8 |
| 22.5° | 2943.4 | 2771.0 | 2382.0 | 1982.3 | 1574.3 | 1257.8 | 1131.1 | 1091.5 | 1082.3 | 1082.3 | 1080.8 |
| 25°   | 2904.5 | 2690.9 | 2227.9 | 1757.3 | 1323.3 | 1119.7 | 1061.0 | 1044.2 | 1048.0 | 1054.9 | 1055.6 |
| 27.5° | 2888.5 | 2628.4 | 2079.2 | 1526.2 | 1150.2 | 1039.6 | 1012.9 | 1010.6 | 1021.3 | 1032.0 | 1033.5 |
| 30°   | 2905.3 | 2585.7 | 1926.7 | 1305.0 | 1046.5 | 990.8  | 978.6  | 983.2  | 996.1  | 1006.8 | 1006.8 |
| 32.5° | 2957.1 | 2564.3 | 1771.1 | 1143.3 | 986.2  | 956.5  | 952.7  | 957.2  | 967.1  | 973.2  | 974.0  |
| 35°   | 3044.8 | 2572.7 | 1610.1 | 1034.3 | 947.3  | 931.3  | 930.5  | 933.6  | 937.4  | 941.2  | 942.0  |
| 37.5° | 3155.4 | 2610.1 | 1437.8 | 971.0  | 922.1  | 913.0  | 911.5  | 910.7  | 911.5  | 911.5  | 912.2  |
| 40°   | 3263.7 | 2666.5 | 1283.7 | 933.6  | 904.6  | 897.0  | 893.2  | 887.8  | 887.1  | 885.5  | 884.8  |
| 42.5° | 3343.8 | 2710.0 | 1160.9 | 906.9  | 888.6  | 879.4  | 874.9  | 866.5  | 865.7  | 864.9  | 864.2  |
| 45°   | 3404.1 | 2746.6 | 1058.7 | 881.0  | 871.8  | 863.4  | 853.5  | 845.9  | 847.4  | 848.9  | 848.9  |
| 47.5° | 3472.0 | 2778.6 | 983.9  | 856.6  | 851.2  | 842.8  | 830.6  | 825.3  | 830.6  | 836.0  | 836.0  |
| 50°   | 3554.3 | 2823.6 | 922.9  | 832.1  | 829.9  | 819.9  | 809.3  | 807.0  | 813.1  | 820.7  | 820.7  |
| 52.5° | 3614.6 | 2862.5 | 879.4  | 807.7  | 807.7  | 794.8  | 785.6  | 784.9  | 791.7  | 799.3  | 800.1  |
| 55°   | 3727.5 | 2953.3 | 864.2  | 779.5  | 776.5  | 766.5  | 759.7  | 754.3  | 762.7  | 769.6  | 769.6  |
| 57.5° | 3854.9 | 3073.8 | 868.0  | 739.1  | 735.3  | 732.2  | 726.9  | 720.8  | 723.1  | 730.7  | 731.5  |
| 60°   | 3584.9 | 2840.4 | 826.0  | 698.7  | 696.4  | 694.9  | 688.0  | 677.3  | 680.4  | 686.5  | 687.2  |
| 62.5° | 2504.1 | 1887.8 | 668.2  | 648.3  | 656.0  | 655.2  | 646.0  | 633.8  | 634.6  | 643.0  | 643.0  |
| 65°   | 1299.7 | 1021.3 | 586.5  | 602.6  | 614.0  | 609.4  | 594.2  | 583.5  | 582.0  | 592.6  | 590.4  |
| 67.5° | 560.6  | 557.6  | 533.9  | 554.5  | 566.7  | 556.8  | 540.8  | 523.2  | 524.8  | 528.6  | 525.5  |
| 70°   | 451.5  | 465.3  | 475.2  | 497.3  | 507.2  | 488.9  | 471.4  | 461.5  | 453.1  | 452.3  | 447.0  |
| 72.5° | 360.8  | 379.8  | 402.0  | 424.8  | 427.9  | 409.6  | 387.5  | 378.3  | 365.4  | 364.6  | 359.2  |
| 75°   | 271.5  | 287.6  | 305.1  | 323.4  | 323.4  | 305.9  | 291.4  | 286.8  | 271.5  | 267.0  | 262.4  |
| 77.5° | 185.3  | 195.3  | 209.0  | 213.6  | 218.1  | 211.3  | 196.8  | 189.2  | 171.6  | 167.0  | 160.9  |
| 80°   | 116.7  | 123.6  | 132.0  | 135.0  | 139.6  | 131.2  | 119.7  | 111.4  | 99.2   | 95.3   | 92.3   |
| 82.5° | 70.2   | 74.7   | 80.1   | 81.6   | 85.4   | 79.3   | 68.6   | 62.5   | 55.7   | 52.6   | 50.3   |
| 85°   | 35.8   | 38.1   | 41.2   | 42.0   | 41.2   | 35.1   | 31.3   | 28.2   | 23.6   | 22.9   | 21.4   |
| 87.5° | 9.2    | 10.7   | 11.4   | 10.7   | 9.9    | 7.6    | 5.3    | 3.8    | 1.5    | 1.5    | 0.8    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)