

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: P640353

Luminaire Tested: GWS-SA5D-760-U-SLR-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P640353  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA5D-760-U-SLR-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (80) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

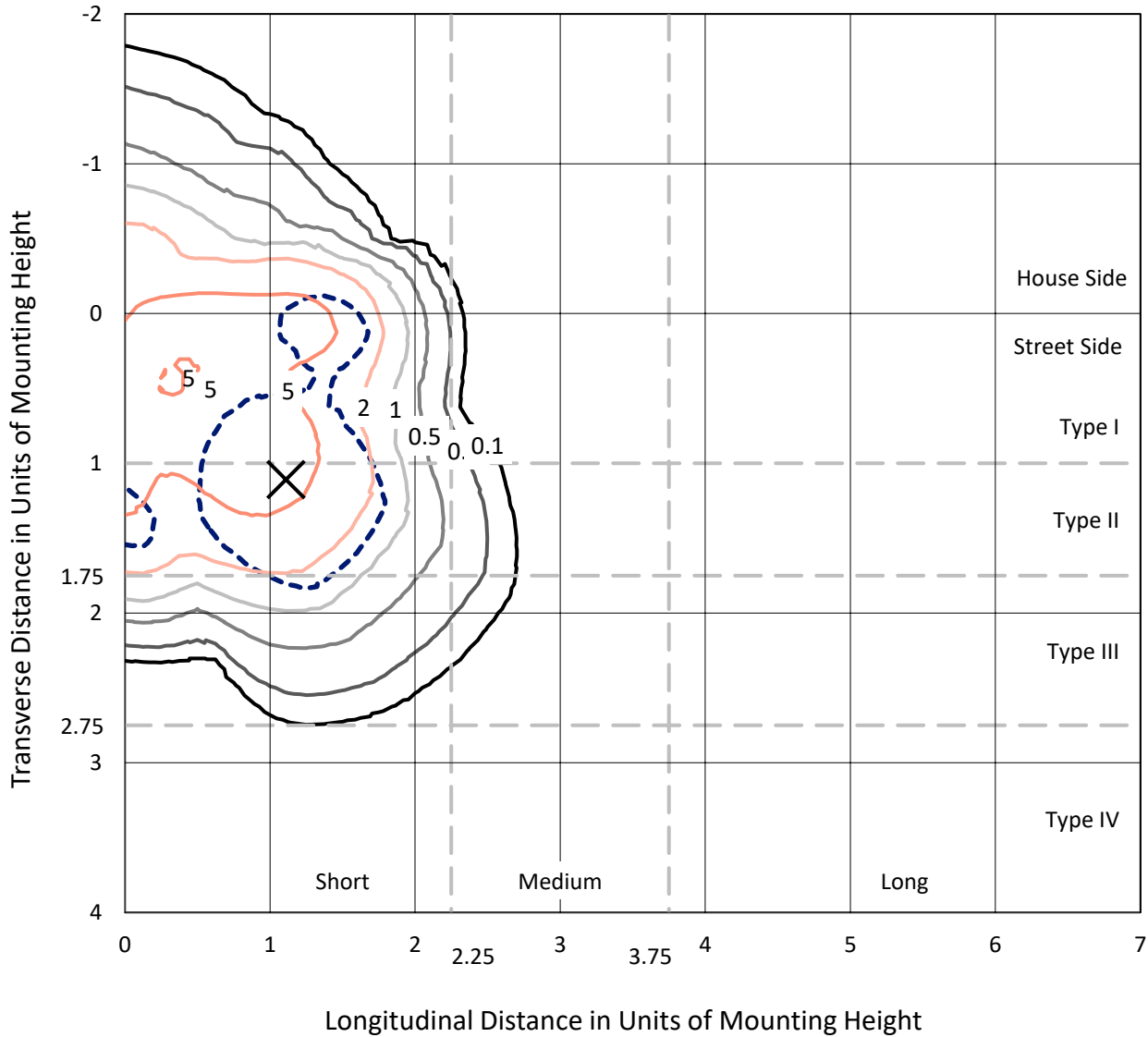
Lumens per Lamp: N/A  
Luminaire Lumens: 16169.3 lumens  
Efficiency: N/A  
Efficacy: 79.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 204.6  
Input Voltage (V): 120  
Input Current (Ain): 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

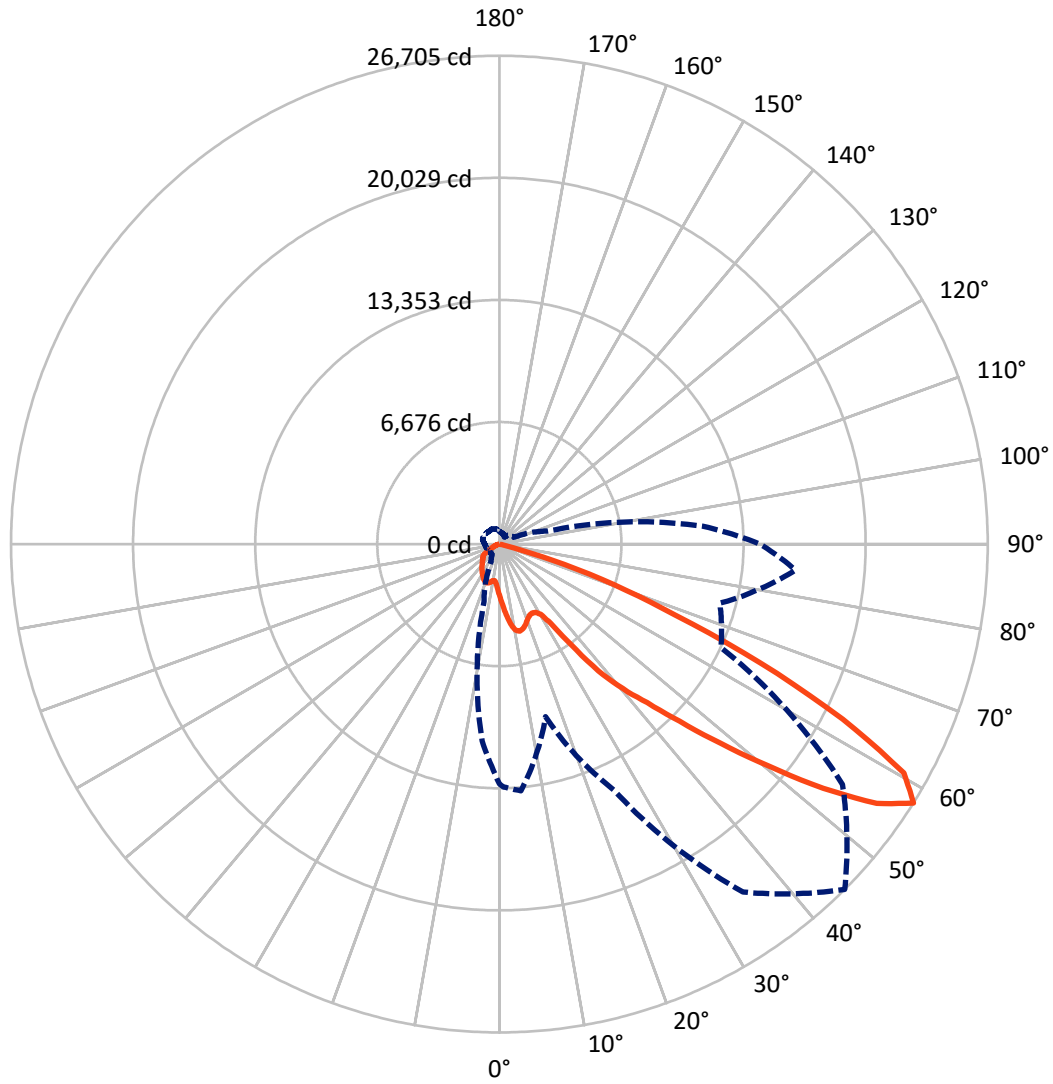
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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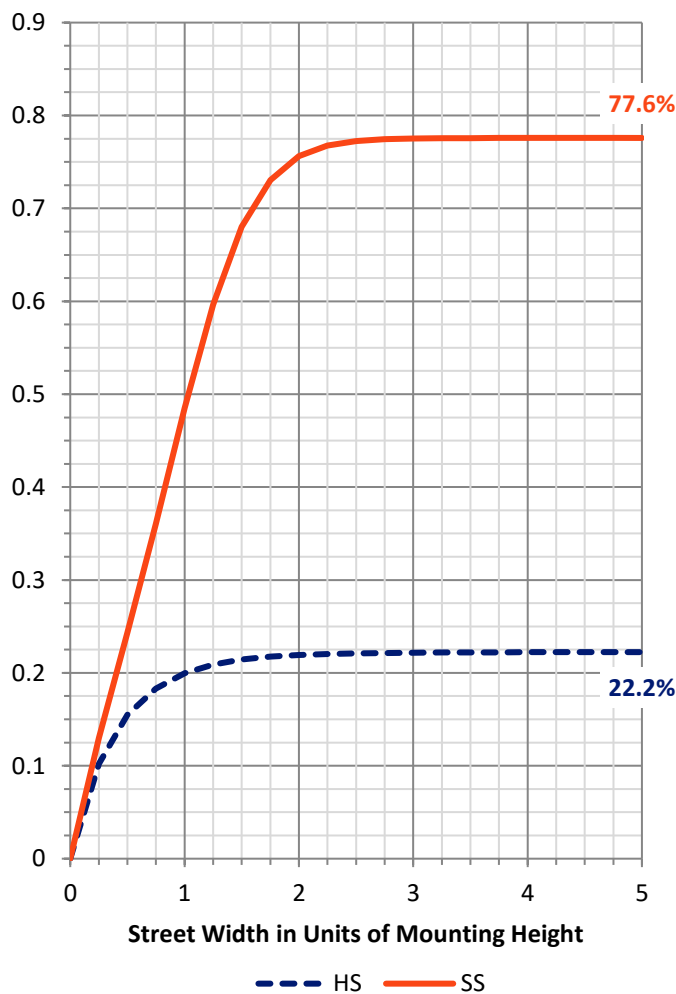
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3620.7   | 0.0    | 3620.7  |
|                    | % Fixture | 22.4     | 0.0    | 22.4    |
| <b>Street Side</b> | Lumens    | 12548.6  | 0.0    | 12548.6 |
|                    | % Fixture | 77.6     | 0.0    | 77.6    |
| <b>Total</b>       | Lumens    | 16169.3  | 0.0    | 16169.3 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 279.6   | 1.7       |
| 10°-20°   | 904.4   | 5.6       |
| 20°-30°   | 1469.2  | 9.1       |
| 30°-40°   | 2270.1  | 14.0      |
| 40°-50°   | 3640.1  | 22.5      |
| 50°-60°   | 4975.1  | 30.8      |
| 60°-70°   | 2409.6  | 14.9      |
| 70°-80°   | 220.6   | 1.4       |
| 80°-90°   | 0.6     | 0.0       |
| 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°    | 16169.3 | 100.0     |
| 0°-180°   | 16169.3 | 100.0     |

**Coefficient of Utilization**



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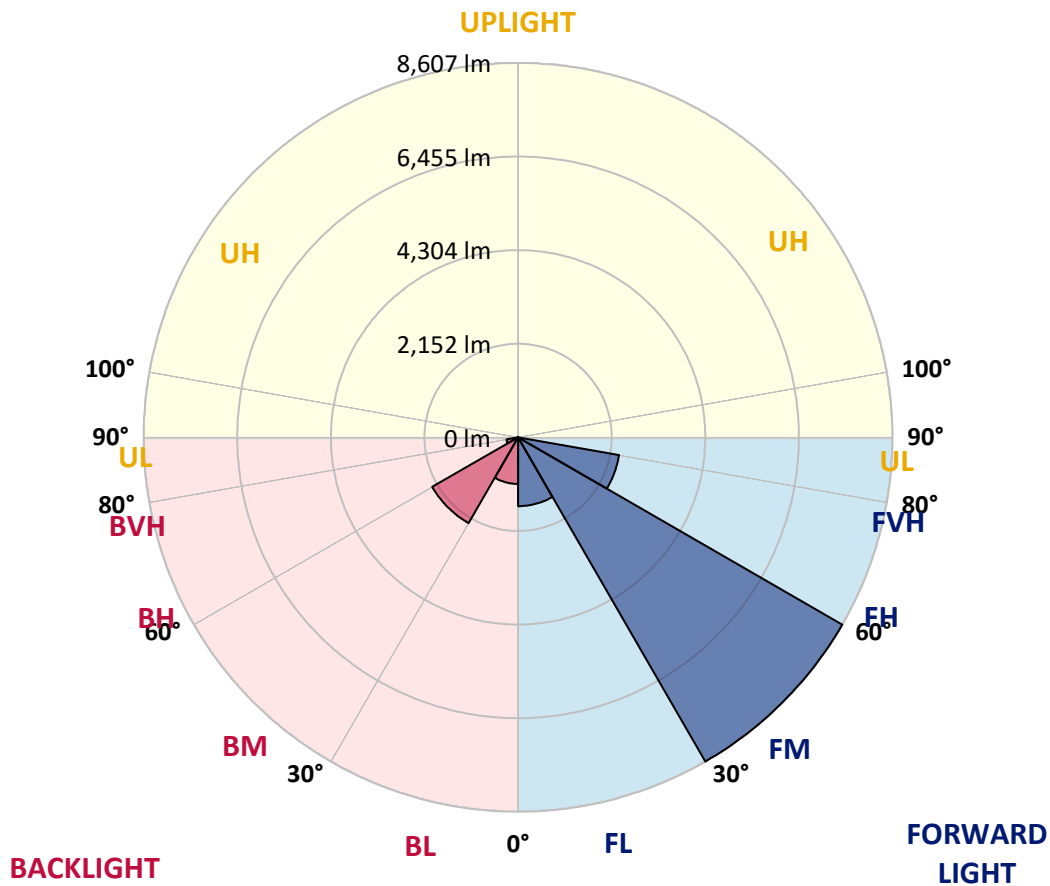
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 1581.8 | 9.8       |                         |      |         |
| FM (30°-60°)   | 8607.3 | 53.2      |                         |      |         |
| FH (60°-80°)   | 2358.8 | 14.6      |                         |      | G2/5000 |
| FVH (80°-90°)  | 0.6    | 0.0       |                         |      | G0/10   |
| BL (0°-30°)    | 1071.3 | 6.6       | B3/2500                 |      |         |
| BM (30°-60°)   | 2278.0 | 14.1      | B2/2500                 |      |         |
| BH (60°-80°)   | 271.4  | 1.7       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 0.0    | 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°    | 2841.9  | 2841.9  | 2841.9  | 2841.9  | 2841.9  | 2841.9  | 2841.9  | 2841.9  | 2841.9  | 2841.9  | 2841.9  |
| 2.5°  | 3078.8  | 3098.3  | 3130.9  | 3200.4  | 3259.1  | 3298.2  | 3315.6  | 3311.2  | 3287.3  | 3270.0  | 3235.2  |
| 5°    | 3409.0  | 3409.0  | 3472.0  | 3630.6  | 3752.3  | 3828.3  | 3867.5  | 3843.6  | 3795.8  | 3719.7  | 3602.4  |
| 7.5°  | 3698.0  | 3708.8  | 3815.3  | 4041.3  | 4226.0  | 4334.6  | 4397.6  | 4384.6  | 4299.8  | 4154.3  | 3919.6  |
| 10°   | 3923.9  | 3937.0  | 4078.2  | 4354.1  | 4571.4  | 4682.2  | 4775.7  | 4784.3  | 4690.9  | 4497.5  | 4228.1  |
| 12.5° | 4143.4  | 4156.4  | 4304.2  | 4569.2  | 4760.4  | 4806.1  | 4888.6  | 4921.2  | 4897.3  | 4760.4  | 4480.2  |
| 15°   | 4380.2  | 4410.6  | 4536.7  | 4734.4  | 4814.8  | 4760.4  | 4814.8  | 4873.4  | 4953.8  | 4940.8  | 4688.7  |
| 17.5° | 4612.7  | 4634.4  | 4762.6  | 4832.1  | 4743.1  | 4601.8  | 4627.9  | 4697.4  | 4879.9  | 5058.1  | 4895.2  |
| 20°   | 4827.8  | 4858.2  | 4964.7  | 4873.4  | 4604.0  | 4384.6  | 4386.7  | 4478.0  | 4756.1  | 5129.8  | 5105.9  |
| 22.5° | 5053.8  | 5099.4  | 5175.4  | 4919.1  | 4475.8  | 4212.9  | 4223.8  | 4306.3  | 4658.3  | 5197.2  | 5344.9  |
| 25°   | 5349.3  | 5392.7  | 5442.7  | 5032.0  | 4434.5  | 4128.2  | 4169.5  | 4245.5  | 4658.3  | 5312.3  | 5640.4  |
| 27.5° | 5749.0  | 5779.5  | 5781.6  | 5242.8  | 4506.2  | 4141.2  | 4228.1  | 4315.0  | 4797.4  | 5542.6  | 6035.8  |
| 30°   | 6250.9  | 6298.7  | 6235.7  | 5570.9  | 4730.0  | 4315.0  | 4443.2  | 4551.9  | 5097.2  | 5931.5  | 6618.1  |
| 32.5° | 6861.5  | 6928.8  | 6844.1  | 6057.6  | 5197.2  | 4914.7  | 5147.2  | 5210.2  | 5575.2  | 6494.3  | 7278.6  |
| 35°   | 7578.5  | 7635.0  | 7543.7  | 6731.1  | 6287.9  | 6340.0  | 6761.5  | 6681.1  | 6535.6  | 7187.4  | 8050.0  |
| 37.5° | 8365.0  | 8417.1  | 8241.2  | 7752.3  | 7900.0  | 8126.0  | 8799.5  | 8523.6  | 8054.3  | 8080.4  | 8886.5  |
| 40°   | 9086.3  | 9142.8  | 8866.9  | 8862.6  | 9166.7  | 9579.6  | 10392.2 | 10011.9 | 9373.1  | 9249.3  | 9670.8  |
| 42.5° | 9833.8  | 9872.9  | 9623.0  | 9453.5  | 10144.5 | 10994.0 | 11854.4 | 11341.6 | 10246.6 | 10111.9 | 10652.9 |
| 45°   | 10900.6 | 10983.1 | 10537.7 | 9744.7  | 11024.4 | 12621.4 | 13820.7 | 12819.1 | 10841.9 | 10733.3 | 12156.4 |
| 47.5° | 12469.3 | 12530.1 | 11621.9 | 9927.2  | 11843.5 | 14648.5 | 16278.1 | 14735.4 | 11365.5 | 11117.8 | 14211.8 |
| 50°   | 13766.4 | 13807.7 | 12619.2 | 10127.1 | 12714.8 | 16834.3 | 19078.7 | 17008.1 | 11954.3 | 11754.5 | 16130.3 |
| 52.5° | 14722.4 | 14878.8 | 13929.4 | 10537.7 | 13859.8 | 19404.6 | 22179.2 | 19700.1 | 12873.4 | 12984.2 | 17720.8 |
| 55°   | 14920.1 | 15133.0 | 14824.5 | 10789.8 | 14868.0 | 22022.8 | 25042.9 | 22109.7 | 13790.3 | 13916.3 | 18255.3 |
| 57.5° | 13112.4 | 13281.9 | 13538.3 | 9772.9  | 14844.1 | 23222.1 | 26705.0 | 22909.2 | 13373.1 | 12480.1 | 16254.2 |
| 60°   | 9822.9  | 9940.2  | 10405.2 | 7469.8  | 13651.2 | 22161.8 | 25410.1 | 21549.1 | 11693.6 | 9523.1  | 12384.5 |
| 62.5° | 5825.1  | 5877.2  | 6466.0  | 4838.7  | 11330.8 | 19085.2 | 21073.3 | 18594.2 | 9240.6  | 6405.2  | 7585.0  |
| 65°   | 2235.7  | 2214.0  | 2663.8  | 2387.8  | 8332.4  | 15202.6 | 15674.1 | 14174.9 | 6340.0  | 2935.4  | 2891.9  |
| 67.5° | 345.5   | 330.3   | 445.4   | 706.1   | 6009.8  | 10535.6 | 10342.2 | 10216.2 | 3971.7  | 684.4   | 597.5   |
| 70°   | 78.2    | 78.2    | 95.6    | 208.6   | 3671.9  | 6190.1  | 6624.6  | 6316.1  | 2542.1  | 145.6   | 78.2    |
| 72.5° | 36.9    | 36.9    | 45.6    | 89.1    | 1329.7  | 2550.8  | 2972.3  | 2926.7  | 825.6   | 47.8    | 28.2    |
| 75°   | 13.0    | 15.2    | 15.2    | 19.6    | 80.4    | 132.5   | 304.2   | 217.3   | 52.1    | 0.0     | 0.0     |
| 77.5° | 4.3     | 4.3     | 4.3     | 4.3     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 80°   | 2.2     | 2.2     | 2.2     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 82.5° | 2.2     | 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     |



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**CANDELA DISTRIBUTION (continued):**

|       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2841.9  | 2841.9  | 2841.9 | 2841.9 | 2841.9 | 2841.9 | 2841.9 | 2841.9 | 2841.9 | 2841.9 | 2841.9 |
| 2.5°  | 3159.1  | 3143.9  | 3087.4 | 3011.4 | 2937.5 | 2872.3 | 2805.0 | 2724.6 | 2665.9 | 2598.6 | 2576.9 |
| 5°    | 3511.1  | 3415.5  | 3261.3 | 3100.5 | 2952.7 | 2826.7 | 2705.0 | 2574.7 | 2479.1 | 2383.5 | 2350.9 |
| 7.5°  | 3808.8  | 3667.6  | 3417.7 | 3176.5 | 2974.5 | 2796.3 | 2620.3 | 2442.1 | 2303.1 | 2190.1 | 2155.3 |
| 10°   | 4076.0  | 3913.1  | 3578.5 | 3280.8 | 3026.6 | 2820.2 | 2607.3 | 2383.5 | 2203.1 | 2068.4 | 2035.8 |
| 12.5° | 4306.3  | 4117.3  | 3715.4 | 3359.0 | 3048.3 | 2811.5 | 2605.1 | 2426.9 | 2264.0 | 2109.7 | 2068.4 |
| 15°   | 4499.7  | 4291.1  | 3830.5 | 3411.2 | 3015.7 | 2702.9 | 2522.5 | 2494.3 | 2481.3 | 2311.8 | 2231.4 |
| 17.5° | 4688.7  | 4454.1  | 3923.9 | 3435.1 | 2924.5 | 2511.7 | 2381.3 | 2509.5 | 2646.4 | 2535.6 | 2433.5 |
| 20°   | 4886.5  | 4619.2  | 4019.5 | 3439.4 | 2772.4 | 2296.6 | 2274.8 | 2476.9 | 2650.7 | 2616.0 | 2520.4 |
| 22.5° | 5118.9  | 4825.6  | 4139.0 | 3437.3 | 2581.2 | 2114.1 | 2196.6 | 2413.9 | 2555.1 | 2553.0 | 2476.9 |
| 25°   | 5455.7  | 5086.4  | 4299.8 | 3450.3 | 2372.6 | 1972.8 | 2109.7 | 2307.4 | 2422.6 | 2418.2 | 2355.2 |
| 27.5° | 5816.4  | 5397.1  | 4508.4 | 3482.9 | 2194.5 | 1890.3 | 2007.6 | 2161.9 | 2261.8 | 2257.5 | 2203.1 |
| 30°   | 6322.6  | 5755.6  | 4708.3 | 3485.1 | 2066.3 | 1846.8 | 1894.6 | 2001.1 | 2096.7 | 2085.8 | 2044.5 |
| 32.5° | 6937.5  | 6159.7  | 4875.6 | 3361.2 | 1985.9 | 1805.5 | 1777.3 | 1831.6 | 1905.5 | 1890.3 | 1879.4 |
| 35°   | 7680.6  | 6639.9  | 5019.0 | 3089.6 | 1862.0 | 1723.0 | 1646.9 | 1657.8 | 1709.9 | 1718.6 | 1714.3 |
| 37.5° | 8528.0  | 7211.3  | 5197.2 | 2731.1 | 1694.7 | 1603.5 | 1501.4 | 1492.7 | 1523.1 | 1551.3 | 1573.1 |
| 40°   | 9364.5  | 7854.4  | 5438.3 | 2368.3 | 1542.6 | 1451.4 | 1353.6 | 1331.9 | 1344.9 | 1394.9 | 1440.5 |
| 42.5° | 10305.2 | 8599.7  | 5699.1 | 2057.6 | 1438.3 | 1284.1 | 1190.7 | 1149.4 | 1186.3 | 1266.7 | 1321.0 |
| 45°   | 11661.0 | 9644.7  | 5953.3 | 1809.9 | 1394.9 | 1136.3 | 1010.3 | 1006.0 | 1047.3 | 1151.5 | 1212.4 |
| 47.5° | 13564.3 | 10996.2 | 6120.6 | 1616.5 | 1392.7 | 1021.2 | 871.3  | 897.3  | 945.1  | 1047.3 | 1116.8 |
| 50°   | 15419.8 | 12688.7 | 5935.9 | 1468.8 | 1347.1 | 945.1  | 767.0  | 819.1  | 866.9  | 956.0  | 1027.7 |
| 52.5° | 16538.8 | 13599.1 | 5216.7 | 1329.7 | 1205.9 | 910.4  | 664.9  | 756.1  | 764.8  | 845.2  | 921.2  |
| 55°   | 16421.5 | 13010.3 | 3995.6 | 1114.6 | 997.3  | 860.4  | 558.4  | 682.2  | 686.6  | 747.4  | 812.6  |
| 57.5° | 14253.1 | 11170.0 | 2744.2 | 903.9  | 749.6  | 710.5  | 460.6  | 575.8  | 617.1  | 654.0  | 701.8  |
| 60°   | 10622.5 | 8149.9  | 1223.2 | 734.4  | 475.8  | 480.2  | 393.3  | 434.5  | 497.6  | 541.0  | 582.3  |
| 62.5° | 6259.6  | 4688.7  | 497.6  | 441.1  | 262.9  | 302.0  | 317.2  | 317.2  | 356.3  | 388.9  | 415.0  |
| 65°   | 2366.1  | 1640.4  | 202.1  | 221.6  | 136.9  | 141.2  | 186.9  | 230.3  | 260.7  | 289.0  | 323.7  |
| 67.5° | 415.0   | 286.8   | 104.3  | 82.6   | 80.4   | 71.7   | 95.6   | 149.9  | 167.3  | 189.0  | 204.2  |
| 70°   | 69.5    | 58.7    | 43.5   | 41.3   | 36.9   | 39.1   | 63.0   | 106.5  | 117.3  | 123.8  | 130.4  |
| 72.5° | 19.6    | 17.4    | 13.0   | 10.9   | 8.7    | 10.9   | 39.1   | 82.6   | 86.9   | 91.3   | 97.8   |
| 75°   | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 15.2   | 58.7   | 63.0   | 65.2   | 71.7   |
| 77.5° | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 13.0   | 17.4   | 21.7   | 17.4   |
| 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    |





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**CANDELA DISTRIBUTION (continued):**

|       | 185°   | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°   | 270°   | 275°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2841.9 | 2841.9 | 2841.9 | 2841.9 | 2841.9 | 2841.9 | 2841.9 | 2841.9 | 2841.9 | 2841.9 | 2841.9 |
| 2.5°  | 2563.8 | 2520.4 | 2496.5 | 2483.4 | 2483.4 | 2466.0 | 2446.5 | 2440.0 | 2468.2 | 2468.2 | 2516.0 |
| 5°    | 2309.6 | 2274.8 | 2235.7 | 2211.8 | 2174.9 | 2181.4 | 2159.7 | 2157.5 | 2185.8 | 2198.8 | 2248.8 |
| 7.5°  | 2133.6 | 2090.2 | 2066.3 | 2051.1 | 2031.5 | 2022.8 | 2003.3 | 1996.7 | 2011.9 | 2033.7 | 2081.5 |
| 10°   | 2016.3 | 2009.8 | 2007.6 | 2018.5 | 2018.5 | 2007.6 | 1990.2 | 1979.4 | 1983.7 | 2025.0 | 2079.3 |
| 12.5° | 2046.7 | 2059.7 | 2064.1 | 2081.5 | 2090.2 | 2081.5 | 2068.4 | 2072.8 | 2101.0 | 2177.1 | 2257.5 |
| 15°   | 2179.2 | 2168.4 | 2164.0 | 2172.7 | 2179.2 | 2170.6 | 2166.2 | 2198.8 | 2296.6 | 2405.2 | 2496.5 |
| 17.5° | 2320.5 | 2250.9 | 2220.5 | 2220.5 | 2224.9 | 2220.5 | 2224.9 | 2287.9 | 2446.5 | 2555.1 | 2622.5 |
| 20°   | 2392.2 | 2264.0 | 2216.2 | 2205.3 | 2214.0 | 2216.2 | 2231.4 | 2303.1 | 2476.9 | 2553.0 | 2568.2 |
| 22.5° | 2370.4 | 2209.7 | 2155.3 | 2146.7 | 2155.3 | 2164.0 | 2179.2 | 2240.1 | 2403.0 | 2442.1 | 2435.6 |
| 25°   | 2261.8 | 2103.2 | 2059.7 | 2059.7 | 2079.3 | 2077.1 | 2083.6 | 2127.1 | 2261.8 | 2285.7 | 2274.8 |
| 27.5° | 2124.9 | 1975.0 | 1938.1 | 1959.8 | 1977.2 | 1972.8 | 1975.0 | 2011.9 | 2111.9 | 2118.4 | 2107.5 |
| 30°   | 1985.9 | 1855.5 | 1820.7 | 1846.8 | 1870.7 | 1866.4 | 1868.5 | 1905.5 | 1968.5 | 1962.0 | 1946.8 |
| 32.5° | 1844.6 | 1749.0 | 1723.0 | 1738.2 | 1775.1 | 1770.8 | 1779.5 | 1818.6 | 1842.5 | 1814.2 | 1796.8 |
| 35°   | 1714.3 | 1664.3 | 1644.8 | 1653.4 | 1681.7 | 1688.2 | 1703.4 | 1729.5 | 1729.5 | 1694.7 | 1664.3 |
| 37.5° | 1592.6 | 1586.1 | 1573.1 | 1562.2 | 1588.3 | 1607.8 | 1629.5 | 1660.0 | 1616.5 | 1566.5 | 1538.3 |
| 40°   | 1479.6 | 1507.9 | 1490.5 | 1462.2 | 1477.5 | 1505.7 | 1549.2 | 1573.1 | 1520.9 | 1470.9 | 1423.1 |
| 42.5° | 1375.3 | 1423.1 | 1416.6 | 1381.9 | 1394.9 | 1421.0 | 1470.9 | 1490.5 | 1429.7 | 1373.2 | 1327.5 |
| 45°   | 1275.4 | 1342.7 | 1347.1 | 1303.6 | 1316.7 | 1342.7 | 1401.4 | 1407.9 | 1329.7 | 1268.9 | 1236.3 |
| 47.5° | 1188.5 | 1262.4 | 1264.5 | 1231.9 | 1236.3 | 1273.2 | 1327.5 | 1329.7 | 1240.6 | 1184.1 | 1142.9 |
| 50°   | 1105.9 | 1190.7 | 1197.2 | 1168.9 | 1173.3 | 1216.7 | 1262.4 | 1253.7 | 1158.1 | 1099.4 | 1062.5 |
| 52.5° | 1006.0 | 1121.1 | 1136.3 | 1123.3 | 1140.7 | 1175.4 | 1203.7 | 1173.3 | 1062.5 | 1003.8 | 971.2  |
| 55°   | 897.3  | 1047.3 | 1079.8 | 1071.2 | 1090.7 | 1119.0 | 1125.5 | 1105.9 | 966.9  | 908.2  | 877.8  |
| 57.5° | 771.3  | 862.6  | 919.1  | 901.7  | 916.9  | 945.1  | 964.7  | 949.5  | 845.2  | 799.6  | 773.5  |
| 60°   | 638.8  | 699.6  | 712.7  | 684.4  | 671.4  | 721.3  | 767.0  | 747.4  | 658.3  | 630.1  | 599.7  |
| 62.5° | 467.1  | 536.7  | 545.4  | 508.4  | 493.2  | 547.5  | 586.6  | 567.1  | 469.3  | 438.9  | 415.0  |
| 65°   | 373.7  | 438.9  | 456.3  | 421.5  | 412.8  | 454.1  | 478.0  | 430.2  | 360.7  | 328.1  | 302.0  |
| 67.5° | 245.5  | 297.7  | 343.3  | 341.1  | 323.7  | 336.8  | 319.4  | 280.3  | 230.3  | 212.9  | 195.5  |
| 70°   | 152.1  | 182.5  | 210.8  | 221.6  | 219.4  | 215.1  | 191.2  | 163.0  | 147.7  | 141.2  | 132.5  |
| 72.5° | 117.3  | 147.7  | 169.5  | 176.0  | 178.2  | 171.6  | 152.1  | 126.0  | 110.8  | 102.1  | 95.6   |
| 75°   | 86.9   | 110.8  | 128.2  | 136.9  | 141.2  | 136.9  | 117.3  | 99.9   | 84.7   | 78.2   | 71.7   |
| 77.5° | 30.4   | 36.9   | 45.6   | 50.0   | 47.8   | 45.6   | 41.3   | 41.3   | 32.6   | 30.4   | 26.1   |
| 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: P640353

CATALOG NUMBER: GWS-SA5D-760-U-SLR-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

|       | 285°   | 295°   | 305°   | 315°   | 325°   | 335°   | 345°   | 355°    | 359°    | 360°    |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0°    | 2841.9 | 2841.9 | 2841.9 | 2841.9 | 2841.9 | 2841.9 | 2841.9 | 2841.9  | 2841.9  | 2841.9  |
| 2.5°  | 2570.3 | 2609.4 | 2681.1 | 2746.3 | 2815.9 | 2887.6 | 2965.8 | 3046.2  | 3083.1  | 3078.8  |
| 5°    | 2324.8 | 2409.6 | 2526.9 | 2655.1 | 2798.5 | 2952.7 | 3124.4 | 3300.4  | 3376.4  | 3409.0  |
| 7.5°  | 2170.6 | 2290.1 | 2444.3 | 2607.3 | 2796.3 | 3015.7 | 3274.3 | 3550.2  | 3661.0  | 3698.0  |
| 10°   | 2190.1 | 2329.2 | 2457.4 | 2616.0 | 2818.0 | 3102.7 | 3424.2 | 3752.3  | 3882.7  | 3923.9  |
| 12.5° | 2348.7 | 2379.1 | 2413.9 | 2544.3 | 2798.5 | 3167.8 | 3561.1 | 3952.2  | 4102.1  | 4143.4  |
| 15°   | 2492.1 | 2350.9 | 2285.7 | 2405.2 | 2728.9 | 3213.5 | 3700.2 | 4167.3  | 4332.4  | 4380.2  |
| 17.5° | 2498.6 | 2285.7 | 2140.1 | 2233.6 | 2616.0 | 3233.0 | 3837.0 | 4386.7  | 4567.1  | 4612.7  |
| 20°   | 2418.2 | 2214.0 | 2027.2 | 2029.3 | 2461.7 | 3228.7 | 3950.0 | 4584.5  | 4786.5  | 4827.8  |
| 22.5° | 2300.9 | 2129.3 | 1935.9 | 1868.5 | 2296.6 | 3220.0 | 4073.9 | 4795.2  | 5014.7  | 5053.8  |
| 25°   | 2170.6 | 2020.6 | 1849.0 | 1746.9 | 2131.4 | 3228.7 | 4247.7 | 5071.1  | 5312.3  | 5349.3  |
| 27.5° | 2029.3 | 1901.1 | 1781.6 | 1699.1 | 1992.4 | 3261.3 | 4456.3 | 5423.1  | 5709.9  | 5749.0  |
| 30°   | 1881.6 | 1786.0 | 1738.2 | 1688.2 | 1905.5 | 3270.0 | 4682.2 | 5833.8  | 6196.6  | 6250.9  |
| 32.5° | 1736.0 | 1683.9 | 1686.0 | 1694.7 | 1822.9 | 3209.1 | 4888.6 | 6290.0  | 6774.6  | 6861.5  |
| 35°   | 1601.3 | 1586.1 | 1629.5 | 1673.0 | 1703.4 | 3052.7 | 5069.0 | 6828.9  | 7489.4  | 7578.5  |
| 37.5° | 1486.1 | 1499.2 | 1553.5 | 1597.0 | 1573.1 | 2831.1 | 5308.0 | 7502.4  | 8289.0  | 8365.0  |
| 40°   | 1375.3 | 1407.9 | 1470.9 | 1490.5 | 1473.1 | 2572.5 | 5594.8 | 8152.1  | 8982.1  | 9086.3  |
| 42.5° | 1273.2 | 1297.1 | 1386.2 | 1390.5 | 1444.9 | 2309.6 | 5870.7 | 8851.7  | 9779.4  | 9833.8  |
| 45°   | 1190.7 | 1186.3 | 1277.6 | 1305.8 | 1481.8 | 2018.5 | 6140.1 | 9783.8  | 10822.4 | 10900.6 |
| 47.5° | 1110.3 | 1105.9 | 1127.6 | 1255.8 | 1497.0 | 1749.0 | 6407.4 | 11148.3 | 12334.6 | 12469.3 |
| 50°   | 1034.2 | 1040.7 | 973.4  | 1231.9 | 1414.4 | 1542.6 | 6529.0 | 12410.6 | 13709.9 | 13766.4 |
| 52.5° | 966.9  | 943.0  | 825.6  | 1153.7 | 1238.5 | 1347.1 | 6183.6 | 12984.2 | 14561.6 | 14722.4 |
| 55°   | 871.3  | 738.7  | 680.1  | 936.4  | 977.7  | 1175.4 | 5064.6 | 12651.8 | 14635.5 | 14920.1 |
| 57.5° | 745.2  | 580.1  | 577.9  | 690.9  | 690.9  | 1090.7 | 3243.9 | 10809.3 | 12612.7 | 13112.4 |
| 60°   | 573.6  | 449.8  | 478.0  | 480.2  | 443.2  | 795.2  | 1820.7 | 7830.5  | 9325.3  | 9822.9  |
| 62.5° | 408.5  | 343.3  | 360.7  | 286.8  | 254.2  | 397.6  | 873.4  | 4508.4  | 5755.6  | 5825.1  |
| 65°   | 273.8  | 232.5  | 189.0  | 158.6  | 156.4  | 169.5  | 360.7  | 1629.5  | 1981.5  | 2235.7  |
| 67.5° | 180.3  | 141.2  | 99.9   | 99.9   | 113.0  | 113.0  | 136.9  | 269.4   | 378.1   | 345.5   |
| 70°   | 117.3  | 97.8   | 63.0   | 60.8   | 73.9   | 73.9   | 69.5   | 73.9    | 78.2    | 78.2    |
| 72.5° | 86.9   | 73.9   | 36.9   | 32.6   | 41.3   | 43.5   | 39.1   | 36.9    | 36.9    | 36.9    |
| 75°   | 65.2   | 52.1   | 21.7   | 15.2   | 19.6   | 26.1   | 21.7   | 15.2    | 15.2    | 13.0    |
| 77.5° | 26.1   | 19.6   | 8.7    | 6.5    | 10.9   | 15.2   | 13.0   | 6.5     | 4.3     | 4.3     |
| 80°   | 2.2    | 4.3    | 4.3    | 4.3    | 6.5    | 8.7    | 10.9   | 4.3     | 2.2     | 2.2     |
| 82.5° | 0.0    | 2.2    | 2.2    | 2.2    | 4.3    | 6.5    | 8.7    | 4.3     | 2.2     | 2.2     |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 4.3    | 6.5    | 4.3    | 2.2     | 0.0     | 0.0     |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 2.2    | 6.5    | 4.3    | 2.2     | 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)