

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: P634897

Luminaire Tested: GWS-SA3C-760-U-SL2-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634897  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3C-760-U-SL2-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13830 lumens  
Efficiency: N/A  
Efficacy: 148.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 93  
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

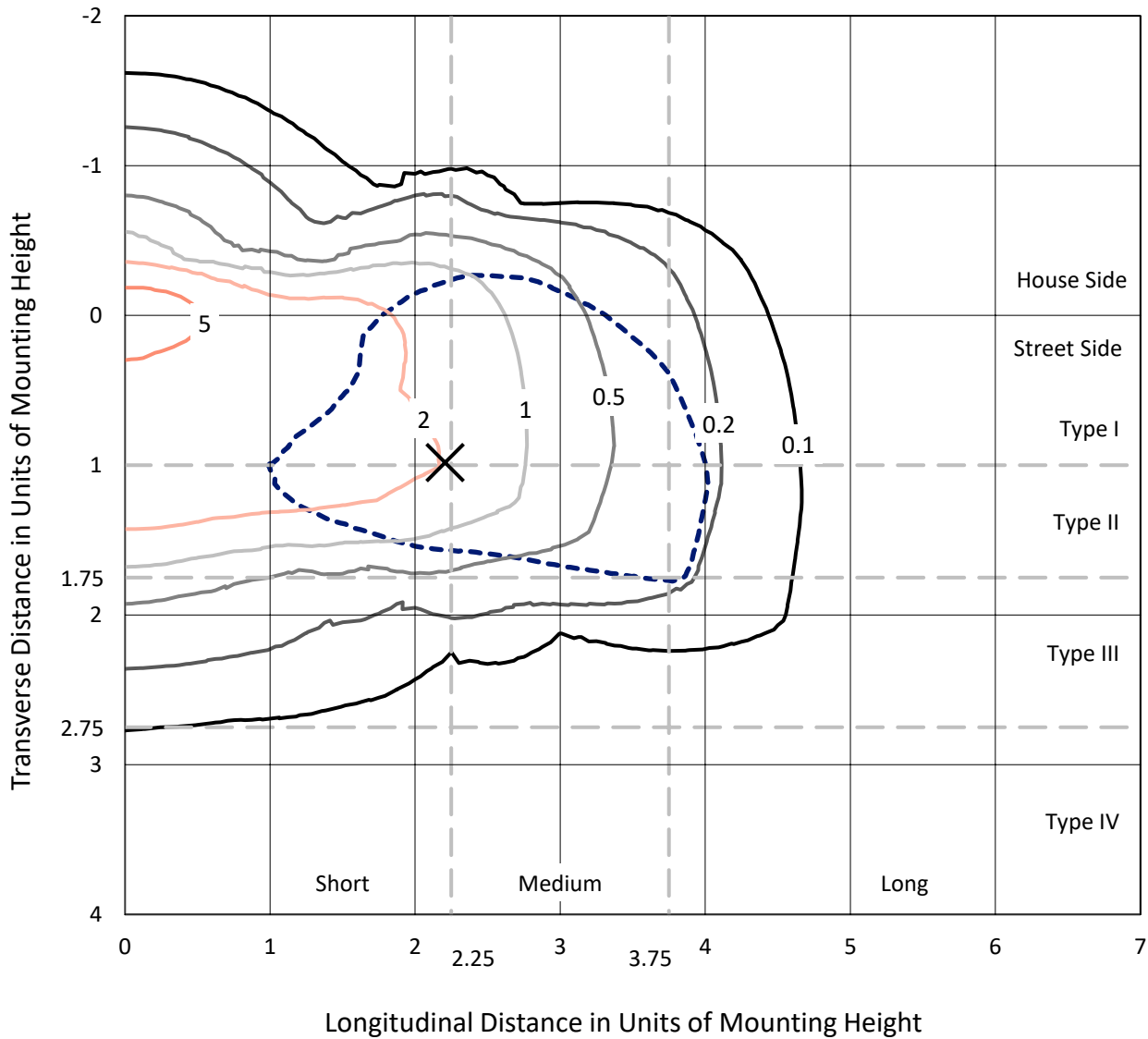


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### Iso-Footcandle Lines of Horizontal Illumination

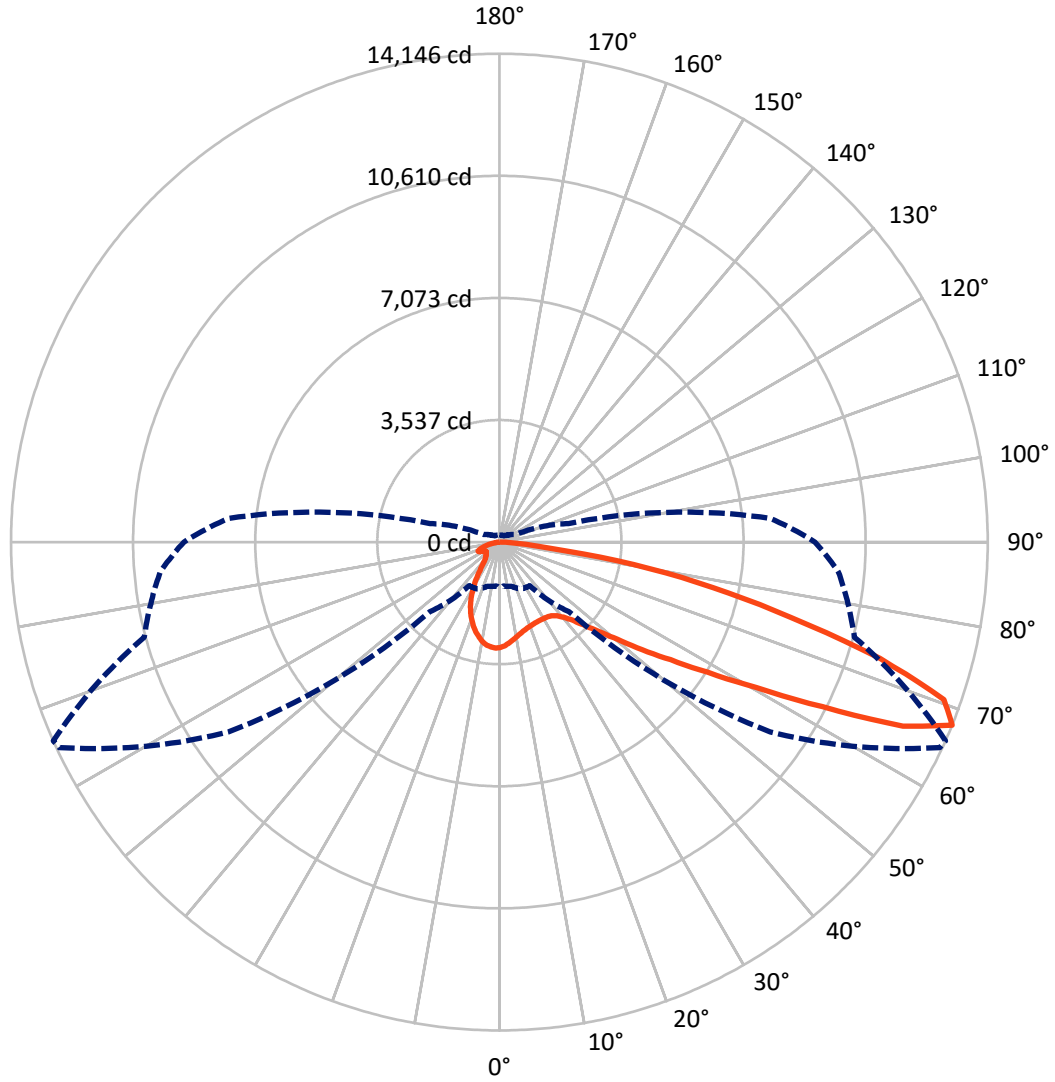
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.6 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2806.4   | 0.0    | 2806.4  |
|                    | % Fixture | 20.3     | 0.0    | 20.3    |
| <b>Street Side</b> | Lumens    | 11023.6  | 0.0    | 11023.6 |
|                    | % Fixture | 79.7     | 0.0    | 79.7    |
| <b>Total</b>       | Lumens    | 13830.0  | 0.0    | 13830.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 268.2   | 1.9       |
| 10°-20°   | 659.1   | 4.8       |
| 20°-30°   | 906.0   | 6.6       |
| 30°-40°   | 1238.7  | 9.0       |
| 40°-50°   | 1876.9  | 13.6      |
| 50°-60°   | 2917.7  | 21.1      |
| 60°-70°   | 3552.3  | 25.7      |
| 70°-80°   | 2163.9  | 15.6      |
| 80°-90°   | 247.2   | 1.8       |
| 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°    | 13830.0 | 100.0     |
| 0°-180°   | 13830.0 | 100.0     |

**Coefficient of Utilization**



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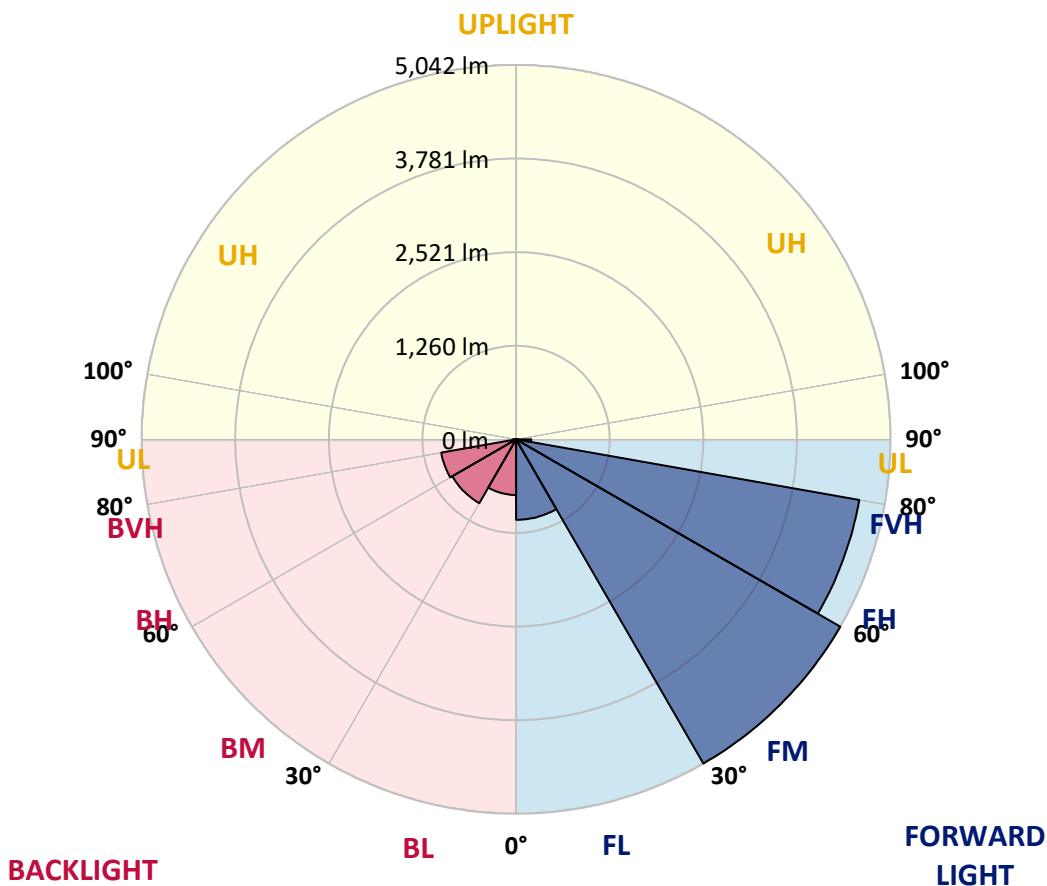
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 1083.6 | 7.8       |                         |      |         |
| FM (30°-60°)   | 5041.6 | 36.5      |                         |      |         |
| FH (60°-80°)   | 4692.9 | 33.9      |                         |      | G2/5000 |
| FVH (80°-90°)  | 205.5  | 1.5       |                         |      | G2/225  |
| BL (0°-30°)    | 749.7  | 5.4       | B2/1000                 |      |         |
| BM (30°-60°)   | 991.8  | 7.2       | B1/1000                 |      |         |
| BH (60°-80°)   | 1023.3 | 7.4       | B3/2500                 |      | G3/2500 |
| BVH (80°-90°)  | 41.7   | 0.3       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G3**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°     | 65°     | 66°     | 75°     | 85°    |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|--------|
| 0°    | 3056.0 | 3056.0 | 3056.0 | 3056.0 | 3056.0 | 3056.0 | 3056.0  | 3056.0  | 3056.0  | 3056.0  | 3056.0 |
| 2.5°  | 2862.3 | 2872.4 | 2866.4 | 2904.7 | 2906.7 | 2955.1 | 2982.4  | 3005.6  | 3007.6  | 3037.9  | 3058.1 |
| 5°    | 2666.6 | 2672.6 | 2672.6 | 2709.0 | 2733.2 | 2797.8 | 2860.3  | 2926.9  | 2931.9  | 3004.6  | 3060.1 |
| 7.5°  | 2508.2 | 2514.2 | 2510.2 | 2558.6 | 2589.9 | 2661.5 | 2741.3  | 2843.2  | 2853.2  | 2970.3  | 3067.1 |
| 10°   | 2384.1 | 2382.1 | 2392.2 | 2436.6 | 2476.9 | 2562.7 | 2651.5  | 2767.5  | 2782.6  | 2930.9  | 3075.2 |
| 12.5° | 2299.3 | 2301.4 | 2307.4 | 2353.8 | 2397.2 | 2482.0 | 2573.8  | 2699.9  | 2716.0  | 2885.5  | 3071.2 |
| 15°   | 2259.0 | 2254.9 | 2260.0 | 2302.4 | 2343.7 | 2418.4 | 2513.2  | 2643.4  | 2659.5  | 2845.2  | 3072.2 |
| 17.5° | 2249.9 | 2246.9 | 2245.9 | 2276.1 | 2307.4 | 2377.0 | 2467.8  | 2600.0  | 2617.2  | 2818.9  | 3078.2 |
| 20°   | 2278.2 | 2274.1 | 2263.0 | 2276.1 | 2289.3 | 2347.8 | 2435.5  | 2568.7  | 2587.9  | 2801.8  | 3090.3 |
| 22.5° | 2355.8 | 2348.8 | 2331.6 | 2315.5 | 2298.3 | 2333.6 | 2415.4  | 2545.5  | 2564.7  | 2790.7  | 3102.4 |
| 25°   | 2473.9 | 2467.8 | 2449.7 | 2413.4 | 2350.8 | 2344.7 | 2411.3  | 2535.4  | 2554.6  | 2782.6  | 3107.5 |
| 27.5° | 2636.3 | 2627.2 | 2609.1 | 2556.6 | 2454.7 | 2386.1 | 2426.5  | 2534.4  | 2552.6  | 2773.5  | 3102.4 |
| 30°   | 2829.0 | 2823.0 | 2812.9 | 2749.3 | 2613.1 | 2473.9 | 2460.8  | 2542.5  | 2556.6  | 2768.5  | 3092.4 |
| 32.5° | 3024.8 | 3018.7 | 3026.8 | 2996.5 | 2829.0 | 2619.2 | 2535.4  | 2564.7  | 2574.8  | 2767.5  | 3083.3 |
| 35°   | 3197.3 | 3204.3 | 3262.9 | 3267.9 | 3103.5 | 2815.9 | 2653.5  | 2616.1  | 2618.2  | 2787.7  | 3087.3 |
| 37.5° | 3377.9 | 3405.1 | 3481.8 | 3547.4 | 3410.2 | 3076.2 | 2829.0  | 2713.0  | 2711.0  | 2839.1  | 3112.5 |
| 40°   | 3617.0 | 3629.1 | 3727.0 | 3850.1 | 3764.3 | 3433.4 | 3078.2  | 2871.4  | 2857.3  | 2944.0  | 3180.1 |
| 42.5° | 3850.1 | 3879.3 | 4035.7 | 4177.0 | 4148.7 | 3835.9 | 3392.0  | 3108.5  | 3083.3  | 3129.7  | 3319.4 |
| 45°   | 4146.7 | 4174.9 | 4350.5 | 4532.1 | 4583.6 | 4291.0 | 3793.6  | 3445.5  | 3420.3  | 3409.2  | 3574.6 |
| 47.5° | 4443.3 | 4472.6 | 4630.0 | 4892.3 | 5072.9 | 4860.0 | 4316.2  | 3890.4  | 3849.1  | 3805.7  | 3960.0 |
| 50°   | 4643.1 | 4677.4 | 4827.7 | 5142.5 | 5566.2 | 5570.3 | 4935.7  | 4473.6  | 4421.1  | 4352.5  | 4502.8 |
| 52.5° | 4636.0 | 4658.2 | 4801.5 | 5164.7 | 5921.4 | 6386.5 | 5765.0  | 5216.1  | 5173.8  | 5024.5  | 5155.6 |
| 55°   | 4271.8 | 4305.1 | 4449.4 | 4903.4 | 5959.7 | 7160.3 | 6983.8  | 6091.9  | 6016.2  | 5748.9  | 5893.1 |
| 57.5° | 3540.3 | 3568.6 | 3713.9 | 4273.8 | 5619.7 | 7556.9 | 8531.5  | 7207.8  | 7103.8  | 6537.8  | 6704.3 |
| 60°   | 2672.6 | 2638.3 | 2706.9 | 3197.3 | 4806.5 | 7566.9 | 9897.6  | 8721.2  | 8547.6  | 7381.3  | 7520.5 |
| 62.5° | 2005.7 | 1971.4 | 1986.6 | 2124.8 | 3258.8 | 6955.5 | 10676.5 | 10791.5 | 10504.9 | 8333.7  | 8306.5 |
| 65°   | 1585.0 | 1565.9 | 1609.2 | 1704.1 | 1899.8 | 5296.9 | 10682.5 | 13030.3 | 12849.7 | 9437.5  | 9112.6 |
| 67.5° | 1291.4 | 1279.3 | 1323.7 | 1499.3 | 1540.6 | 2846.2 | 9578.7  | 14075.5 | 14146.2 | 10646.2 | 9860.2 |
| 70°   | 1040.2 | 1022.0 | 1091.7 | 1322.7 | 1432.7 | 1722.2 | 6861.7  | 13542.8 | 13656.8 | 11366.6 | 9649.4 |
| 72.5° | 718.4  | 719.4  | 754.7  | 1071.5 | 1383.2 | 1487.2 | 3881.3  | 11276.8 | 11524.0 | 10713.8 | 8483.1 |
| 75°   | 484.3  | 488.3  | 498.4  | 707.3  | 1274.3 | 1442.8 | 2068.3  | 8537.5  | 8712.1  | 8855.3  | 7012.0 |
| 77.5° | 292.6  | 294.6  | 317.8  | 427.8  | 878.8  | 1346.9 | 1401.4  | 6188.8  | 6326.0  | 5837.6  | 4346.5 |
| 80°   | 169.5  | 176.6  | 197.7  | 286.5  | 593.2  | 1012.0 | 1084.6  | 3794.6  | 3949.9  | 2595.0  | 1381.2 |
| 82.5° | 74.7   | 79.7   | 108.0  | 166.5  | 346.1  | 860.6  | 846.5   | 1499.3  | 1477.1  | 723.4   | 479.2  |
| 85°   | 13.1   | 16.1   | 23.2   | 52.5   | 127.1  | 454.0  | 656.8   | 661.9   | 622.5   | 274.4   | 198.8  |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 3.0    | 98.9    | 177.6   | 176.6   | 77.7    | 68.6   |
| 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°    | 3056.0 | 3056.0 | 3056.0 | 3056.0 | 3056.0 | 3056.0 | 3056.0 | 3056.0 | 3056.0 | 3056.0 | 3056.0 |
| 2.5°  | 3071.2 | 3043.9 | 3068.1 | 3071.2 | 3066.1 | 3062.1 | 3031.8 | 3005.6 | 3002.6 | 2974.3 | 2974.3 |
| 5°    | 3082.3 | 3057.0 | 3069.2 | 3045.9 | 3009.6 | 2972.3 | 2907.7 | 2863.3 | 2843.2 | 2806.8 | 2806.8 |
| 7.5°  | 3097.4 | 3071.2 | 3057.0 | 2999.5 | 2914.8 | 2833.1 | 2729.1 | 2642.4 | 2607.1 | 2555.6 | 2553.6 |
| 10°   | 3111.5 | 3078.2 | 3029.8 | 2917.8 | 2782.6 | 2652.5 | 2501.1 | 2378.0 | 2294.3 | 2232.8 | 2232.8 |
| 12.5° | 3110.5 | 3067.1 | 2971.3 | 2805.8 | 2619.2 | 2430.5 | 2228.7 | 2043.1 | 1932.1 | 1836.2 | 1830.2 |
| 15°   | 3108.5 | 3049.0 | 2896.6 | 2675.7 | 2428.5 | 2167.2 | 1892.7 | 1650.6 | 1486.1 | 1392.3 | 1384.2 |
| 17.5° | 3106.5 | 3025.8 | 2812.9 | 2527.4 | 2196.4 | 1840.3 | 1478.1 | 1215.8 | 1078.5 | 1021.0 | 1023.1 |
| 20°   | 3106.5 | 2999.5 | 2723.1 | 2356.9 | 1929.1 | 1448.8 | 1084.6 | 893.9  | 859.6  | 862.6  | 865.7  |
| 22.5° | 3097.4 | 2967.3 | 2623.2 | 2171.2 | 1631.4 | 1065.4 | 800.1  | 735.5  | 753.7  | 781.9  | 786.0  |
| 25°   | 3076.2 | 2913.8 | 2507.2 | 1965.4 | 1277.3 | 775.9  | 652.8  | 640.7  | 674.0  | 709.3  | 719.4  |
| 27.5° | 3042.9 | 2852.2 | 2377.0 | 1724.3 | 940.3  | 623.5  | 574.1  | 573.1  | 599.3  | 625.5  | 634.6  |
| 30°   | 3007.6 | 2783.6 | 2239.8 | 1455.9 | 681.0  | 542.8  | 523.6  | 523.6  | 536.7  | 552.9  | 550.9  |
| 32.5° | 2966.2 | 2714.0 | 2092.5 | 1176.4 | 554.9  | 497.4  | 491.3  | 488.3  | 490.3  | 496.4  | 496.4  |
| 35°   | 2930.9 | 2652.5 | 1941.2 | 880.8  | 497.4  | 472.2  | 466.1  | 459.1  | 456.0  | 452.0  | 454.0  |
| 37.5° | 2917.8 | 2604.0 | 1784.8 | 663.9  | 469.2  | 454.0  | 443.9  | 433.8  | 426.8  | 424.8  | 423.7  |
| 40°   | 2939.0 | 2583.9 | 1628.4 | 546.8  | 449.0  | 434.8  | 423.7  | 410.6  | 404.6  | 404.6  | 404.6  |
| 42.5° | 3021.7 | 2599.0 | 1469.0 | 494.4  | 434.8  | 418.7  | 402.6  | 390.5  | 388.4  | 390.5  | 391.5  |
| 45°   | 3173.1 | 2657.5 | 1303.5 | 468.1  | 422.7  | 402.6  | 383.4  | 374.3  | 374.3  | 376.3  | 376.3  |
| 47.5° | 3443.5 | 2810.9 | 1140.1 | 452.0  | 410.6  | 389.4  | 369.3  | 360.2  | 359.2  | 361.2  | 361.2  |
| 50°   | 3911.6 | 3087.3 | 992.8  | 440.9  | 401.6  | 379.4  | 359.2  | 347.1  | 344.0  | 343.0  | 343.0  |
| 52.5° | 4501.8 | 3566.6 | 899.0  | 432.8  | 390.5  | 368.3  | 348.1  | 331.9  | 325.9  | 322.9  | 322.9  |
| 55°   | 5215.1 | 4205.2 | 899.0  | 426.8  | 376.3  | 355.1  | 331.9  | 315.8  | 306.7  | 302.7  | 302.7  |
| 57.5° | 6023.3 | 4948.8 | 1054.3 | 421.7  | 365.2  | 340.0  | 314.8  | 298.6  | 288.6  | 282.5  | 282.5  |
| 60°   | 6845.6 | 5734.7 | 1438.7 | 414.7  | 355.1  | 320.8  | 295.6  | 280.5  | 267.4  | 260.3  | 259.3  |
| 62.5° | 7698.1 | 6600.4 | 1945.2 | 418.7  | 348.1  | 302.7  | 275.4  | 258.3  | 247.2  | 240.1  | 239.1  |
| 65°   | 8479.0 | 7424.7 | 2388.1 | 450.0  | 349.1  | 286.5  | 252.2  | 237.1  | 228.0  | 218.9  | 217.9  |
| 67.5° | 9141.9 | 7879.7 | 2077.4 | 513.5  | 370.3  | 267.4  | 229.0  | 213.9  | 205.8  | 199.8  | 198.8  |
| 70°   | 8677.8 | 7185.6 | 1178.4 | 552.9  | 399.5  | 247.2  | 202.8  | 192.7  | 184.6  | 180.6  | 179.6  |
| 72.5° | 7420.7 | 6083.8 | 788.0  | 488.3  | 364.2  | 221.0  | 178.6  | 170.5  | 164.5  | 159.4  | 158.4  |
| 75°   | 6011.2 | 4824.7 | 602.3  | 400.5  | 283.5  | 179.6  | 153.4  | 147.3  | 141.2  | 136.2  | 135.2  |
| 77.5° | 3556.5 | 2787.7 | 443.9  | 316.8  | 199.8  | 140.2  | 127.1  | 122.1  | 116.0  | 112.0  | 111.0  |
| 80°   | 1135.0 | 968.6  | 281.5  | 217.9  | 132.2  | 108.0  | 97.9   | 93.8   | 87.8   | 82.7   | 81.7   |
| 82.5° | 432.8  | 374.3  | 149.3  | 111.0  | 87.8   | 73.7   | 65.6   | 61.5   | 57.5   | 52.5   | 51.5   |
| 85°   | 191.7  | 179.6  | 82.7   | 59.5   | 47.4   | 36.3   | 32.3   | 30.3   | 25.2   | 21.2   | 20.2   |
| 87.5° | 67.6   | 67.6   | 35.3   | 17.2   | 10.1   | 5.0    | 3.0    | 1.0    | 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    |

(END OF REPORT)