Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1202336

Luminaire Tested: GWC-SB1D-827-U-5WQ

Issue Date: 10/30/2025

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Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1202336 |
| | TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1) |
| Test Lab: | INNOVATION CENTER |
| Issue Date: | 3/16/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GWC-SB1D-827-U-5WQ |
| Description: | GALLEON WALL LUMINAIRE |
| | (1) 80 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS |
| Light Source: | - |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 8998 lumens |
| Efficiency: | N/A |
| Efficacy: | 113.0 lumens/watt |
| Luminous Opening: | Rectangular (W 0.5' x L: 0.5' x H: 0') |
| IES Classification: | Type V - Short |
| BUG Rating: | B3 - U0 - G2 |

| | |
|---|---|
| Input Watts (W): | 79.6 |
| Input Voltage (V): | 120.0 |
| Input Current (Ain): | 0.638 |
| Voltage Rise (V): | NR |
| Power Factor: | 0.997 |
| Total Harmonic Distortion (THDi): | 6.673 |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

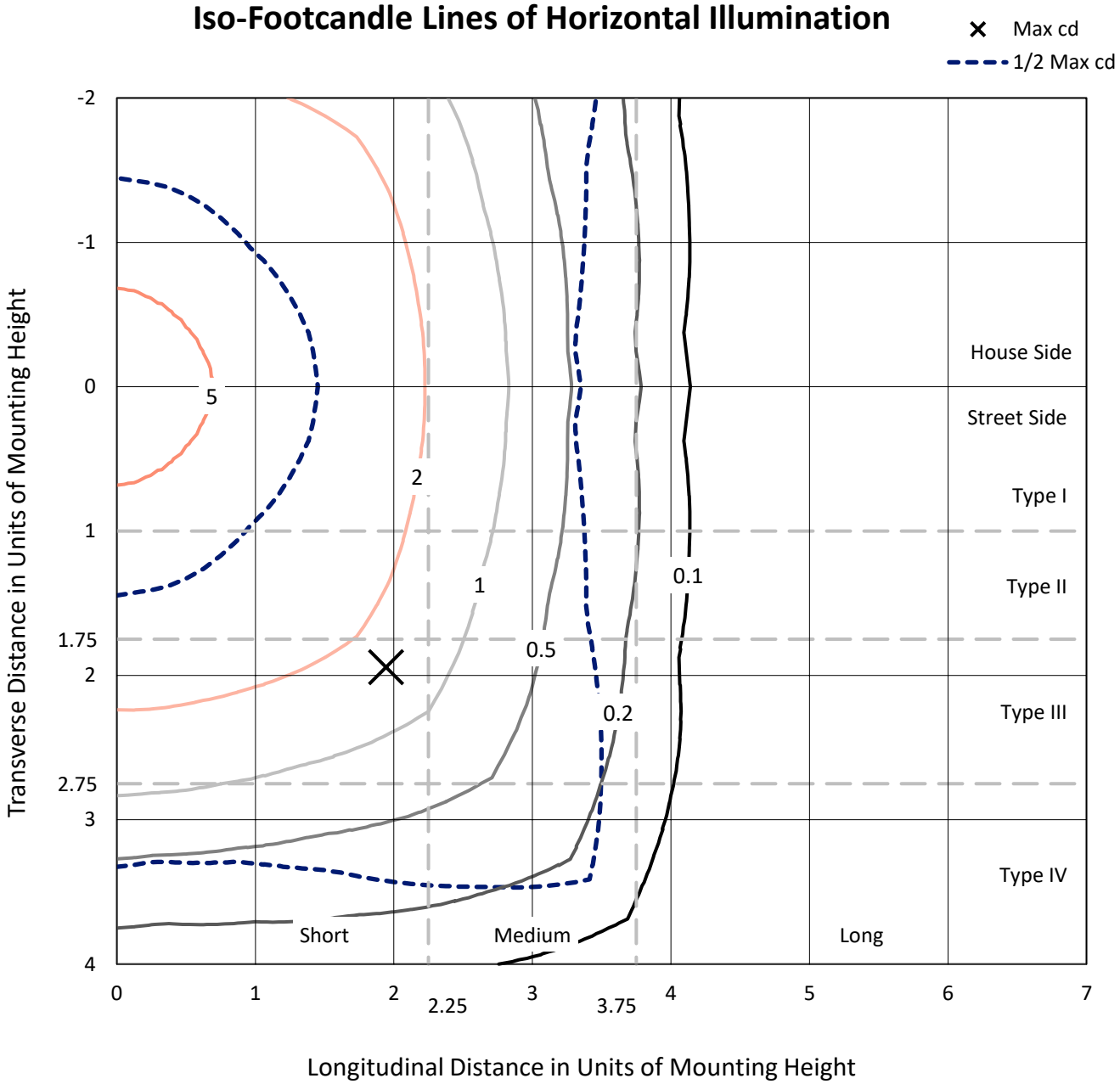


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## Iso-Footcandle Lines of Horizontal Illumination



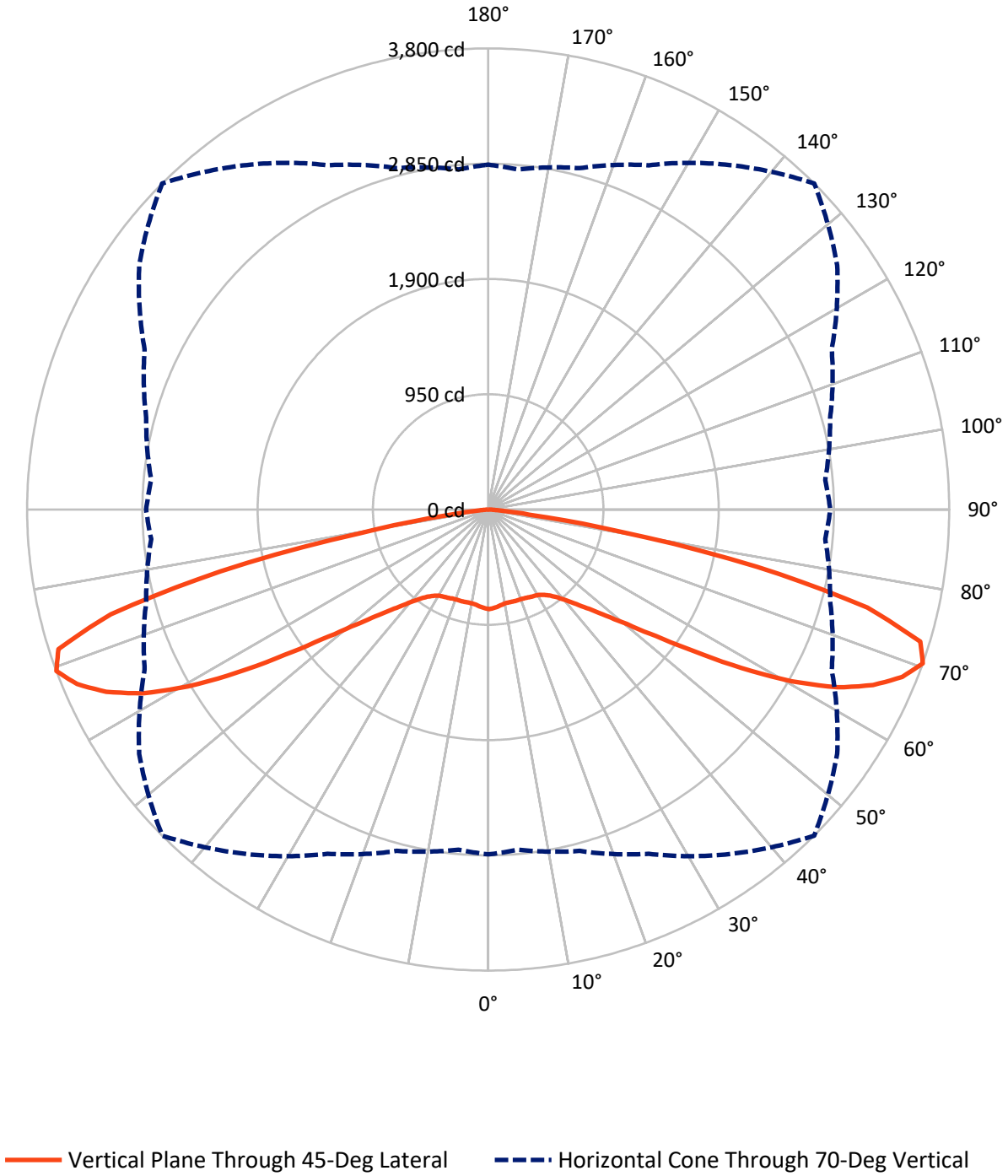

Based on 10 foot mounting height. Maximum calculated value = 8.2 fc
Type V - Short - N/A

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## Luminous Intensity Polar Plot



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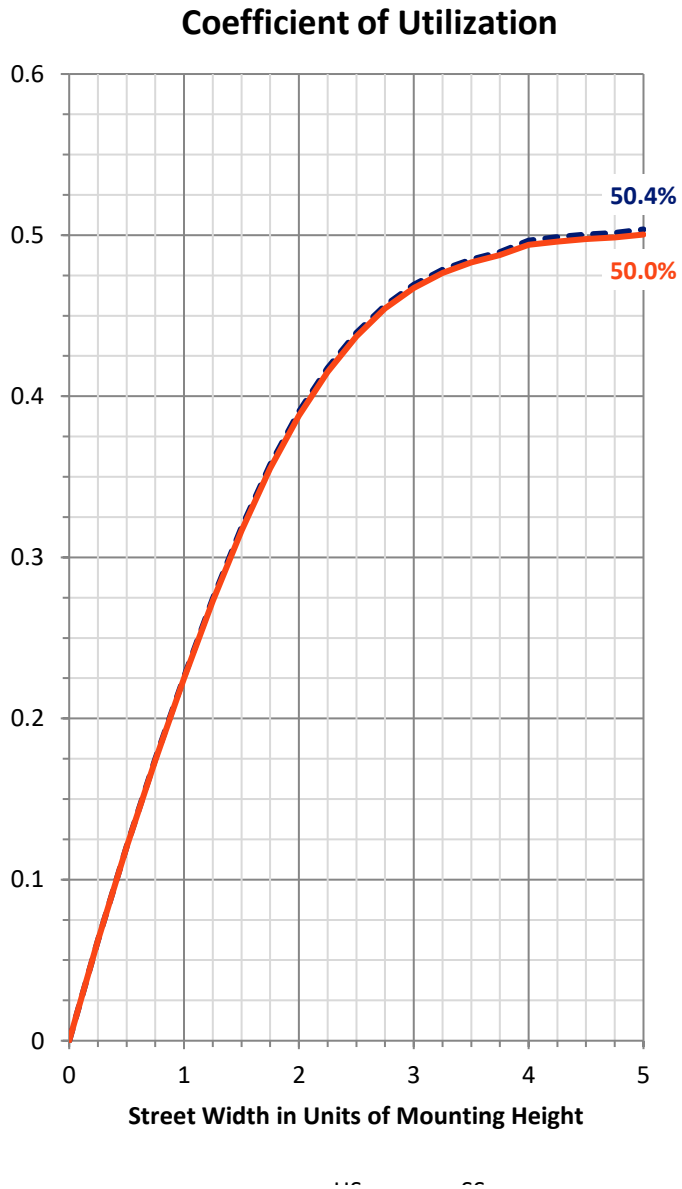
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 4499.0 | 0.0 | 4499.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| **Street Side** | Lumens | 4499.0 | 0.0 | 4499.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| **Total** | Lumens | 8998.0 | 0.0 | 8998.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 76.4 | 0.8 |
| 10°-20° | 224.2 | 2.5 |
| 20°-30° | 373.1 | 4.1 |
| 30°-40° | 564.2 | 6.3 |
| 40°-50° | 937.6 | 10.4 |
| 50°-60° | 1769.2 | 19.7 |
| 60°-70° | 2987.4 | 33.2 |
| 70°-80° | 1963.0 | 21.8 |
| 80°-90° | 102.8 | 1.1 |
| 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° | 8998.0 | 100.0 |
| 0°-180° | 8998.0 | 100.0 |



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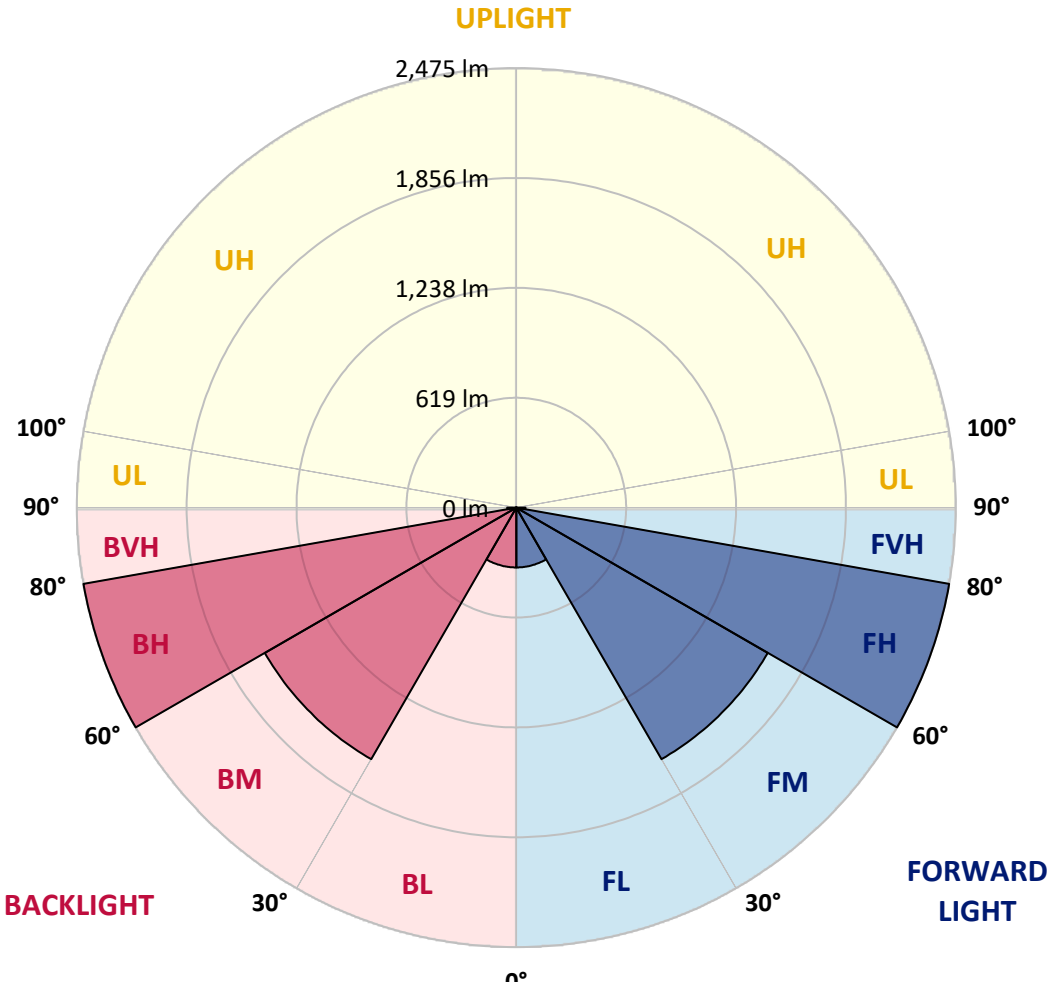
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 336.8 | 3.7 | | | |
| FM | (30°-60°) | 1635.5 | 18.2 | | | |
| FH | (60°-80°) | 2475.2 | 27.5 | | | G2/5000 |
| FVH | (80°-90°) | 51.4 | 0.6 | | | G1/100 |
| BL | (0°-30°) | 336.8 | 3.7 | B1/500 | | |
| BM | (30°-60°) | 1635.5 | 18.2 | B2/2500 | | |
| BH | (60°-80°) | 2475.2 | 27.5 | B3/2500 | | G2/5000 |
| BVH | (80°-90°) | 51.4 | 0.6 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

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



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 820.8 | 820.8 | 820.8 | 820.8 | 820.8 | *820.8* | 820.8 | 820.8 | 820.8 | 820.8 | 820.8 |
| 2.5° | 815.7 | 818.0 | 817.1 | 815.2 | 815.2 | *813.8* | 815.2 | 816.1 | 817.5 | 818.5 | 818.0 |
| 5° | 804.9 | 806.8 | 806.3 | 804.9 | 805.4 | *804.0* | 804.9 | 806.3 | 807.2 | 807.7 | 807.7 |
| 7.5° | 795.5 | 797.4 | 796.5 | 794.1 | 794.1 | *792.7* | 793.2 | 794.6 | 796.0 | 796.5 | 796.5 |
| 10° | 793.2 | 795.1 | 792.3 | 788.5 | 787.1 | *785.3* | 785.7 | 787.1 | 789.9 | 791.3 | 791.3 |
| 12.5° | 794.1 | 795.5 | 792.7 | 787.1 | 785.7 | *783.9* | 783.9 | 785.3 | 789.0 | 790.9 | 791.3 |
| 15° | 796.9 | 798.3 | 794.1 | 788.1 | 786.7 | *785.3* | 784.8 | 786.7 | 790.9 | 794.1 | 794.6 |
| 17.5° | 802.1 | 803.5 | 796.9 | 788.5 | 786.7 | *787.1* | 786.7 | 788.1 | 794.6 | 800.7 | 800.7 |
| 20° | 806.8 | 807.7 | 798.8 | 788.5 | 786.7 | *787.1* | 786.7 | 789.5 | 797.9 | 806.3 | 806.8 |
| 22.5° | 808.2 | 809.1 | 800.7 | 791.8 | 790.4 | *790.9* | 790.4 | 793.2 | 801.2 | 809.6 | 809.6 |
| 25° | 808.6 | 810.0 | 803.5 | 796.5 | 798.8 | *799.8* | 798.8 | 799.3 | 805.4 | 812.8 | 812.4 |
| 27.5° | 815.7 | 817.5 | 811.4 | 805.4 | 806.8 | *806.3* | 807.7 | 809.1 | 813.8 | 821.3 | 819.4 |
| 30° | 830.2 | 831.6 | 826.4 | 820.3 | 819.4 | *816.1* | 820.3 | 825.0 | 830.2 | 836.7 | 835.3 |
| 32.5° | 854.0 | 856.8 | 850.3 | 843.7 | 839.5 | *837.6* | 840.9 | 848.9 | 855.9 | 862.9 | 860.1 |
| 35° | 893.8 | 895.6 | 889.5 | 877.4 | 869.9 | *869.9* | 872.7 | 883.0 | 894.2 | 903.1 | 899.8 |
| 37.5° | 949.9 | 952.2 | 941.5 | 927.0 | 915.7 | *915.7* | 919.5 | 930.2 | 947.1 | 959.7 | 955.0 |
| 40° | 1018.2 | 1021.4 | 1007.9 | 992.9 | 982.2 | *980.3* | 985.0 | 997.1 | 1013.0 | 1028.9 | 1023.8 |
| 42.5° | 1100.5 | 1104.2 | 1086.4 | 1073.4 | 1064.9 | *1064.9* | 1067.3 | 1078.5 | 1093.0 | 1112.6 | 1111.2 |
| 45° | 1205.7 | 1212.3 | 1187.9 | 1174.8 | 1166.9 | *1168.8* | 1170.2 | 1180.0 | 1193.1 | 1215.5 | 1214.6 |
| 47.5° | 1331.1 | 1337.6 | 1311.9 | 1298.3 | 1296.9 | *1305.8* | 1300.2 | 1307.2 | 1314.2 | 1339.9 | 1332.5 |
| 50° | 1473.2 | 1484.5 | 1466.7 | 1465.7 | 1468.6 | *1484.9* | 1471.8 | 1475.6 | 1467.6 | 1484.0 | 1474.2 |
| 52.5° | 1647.2 | 1663.6 | 1660.3 | 1665.9 | 1697.3 | *1730.9* | 1701.0 | 1687.9 | 1658.0 | 1663.1 | 1645.8 |
| 55° | 1858.1 | 1882.9 | 1887.6 | 1921.3 | 1992.4 | *2061.1* | 1997.5 | 1944.7 | 1881.1 | 1869.4 | 1851.1 |
| 57.5° | 2098.1 | 2117.7 | 2140.2 | 2208.9 | 2341.7 | *2463.8* | 2341.7 | 2224.8 | 2124.7 | 2100.9 | 2084.0 |
| 60° | 2356.2 | 2380.6 | 2402.1 | 2503.6 | 2700.9 | *2872.6* | 2697.2 | 2511.5 | 2379.1 | 2346.9 | 2318.8 |
| 62.5° | 2633.6 | 2664.9 | 2679.9 | 2792.6 | 3022.7 | *3227.5* | 3026.0 | 2801.0 | 2654.1 | 2619.5 | 2591.5 |
| 65° | 2899.7 | 2925.4 | 2942.2 | 3062.4 | 3282.3 | *3487.6* | 3297.2 | 3075.5 | 2924.5 | 2879.1 | 2856.7 |
| 67.5° | 3023.6 | 3037.7 | 3078.8 | 3214.9 | 3446.9 | *3681.2* | 3486.2 | 3229.4 | 3060.6 | 2981.1 | 2982.0 |
| 70° | *2842.2* | *2813.6* | *2912.8* | *3130.7* | *3466.5* | *3800.0* | *3511.4* | *3124.2* | *2917.5* | *2788.4* | *2819.2* |
| 72.5° | 2196.3 | 2147.2 | 2319.3 | 2692.0 | 3242.0 | *3724.2* | 3264.5 | 2713.1 | 2426.4 | 2164.5 | 2229.5 |
| 75° | 1195.0 | 1139.3 | 1376.9 | 1848.3 | 2585.4 | *3228.0* | 2644.8 | 1901.2 | 1533.1 | 1186.1 | 1263.2 |
| 77.5° | 337.2 | 316.2 | 507.9 | 894.2 | 1555.1 | *2266.4* | 1614.9 | 913.9 | 602.4 | 357.3 | 397.1 |
| 80° | 103.4 | 100.1 | 135.6 | 269.4 | 660.4 | *1085.5* | 634.7 | 272.7 | 172.6 | 109.0 | 115.1 |
| 82.5° | 61.3 | 56.1 | 67.3 | 98.2 | 168.4 | *340.9* | 163.7 | 102.4 | 82.3 | 55.2 | 59.9 |
| 85° | 35.1 | 32.7 | 39.8 | 47.7 | 56.6 | *72.5* | 47.2 | 48.6 | 44.0 | 29.5 | 30.9 |
| 87.5° | 14.5 | 13.1 | 15.4 | 15.0 | 13.1 | *16.8* | 12.6 | 15.0 | 17.8 | 11.7 | 10.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | *0.0* | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |


HS
SS

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(END OF REPORT)