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

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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: P1202334

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

Issue Date: 10/30/2025

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Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1202334 |
| | TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20) |
| Test Lab: | INNOVATION CENTER |
| Issue Date: | 3/16/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GWC-SB1D-827-U-5MQ |
| Description: | GALLEON WALL LUMINAIRE |
| | (1) 80 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE V MEDIUM OPTICS |
| Light Source: | - |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 9316 lumens |
| Efficiency: | N/A |
| Efficacy: | 117.0 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 |

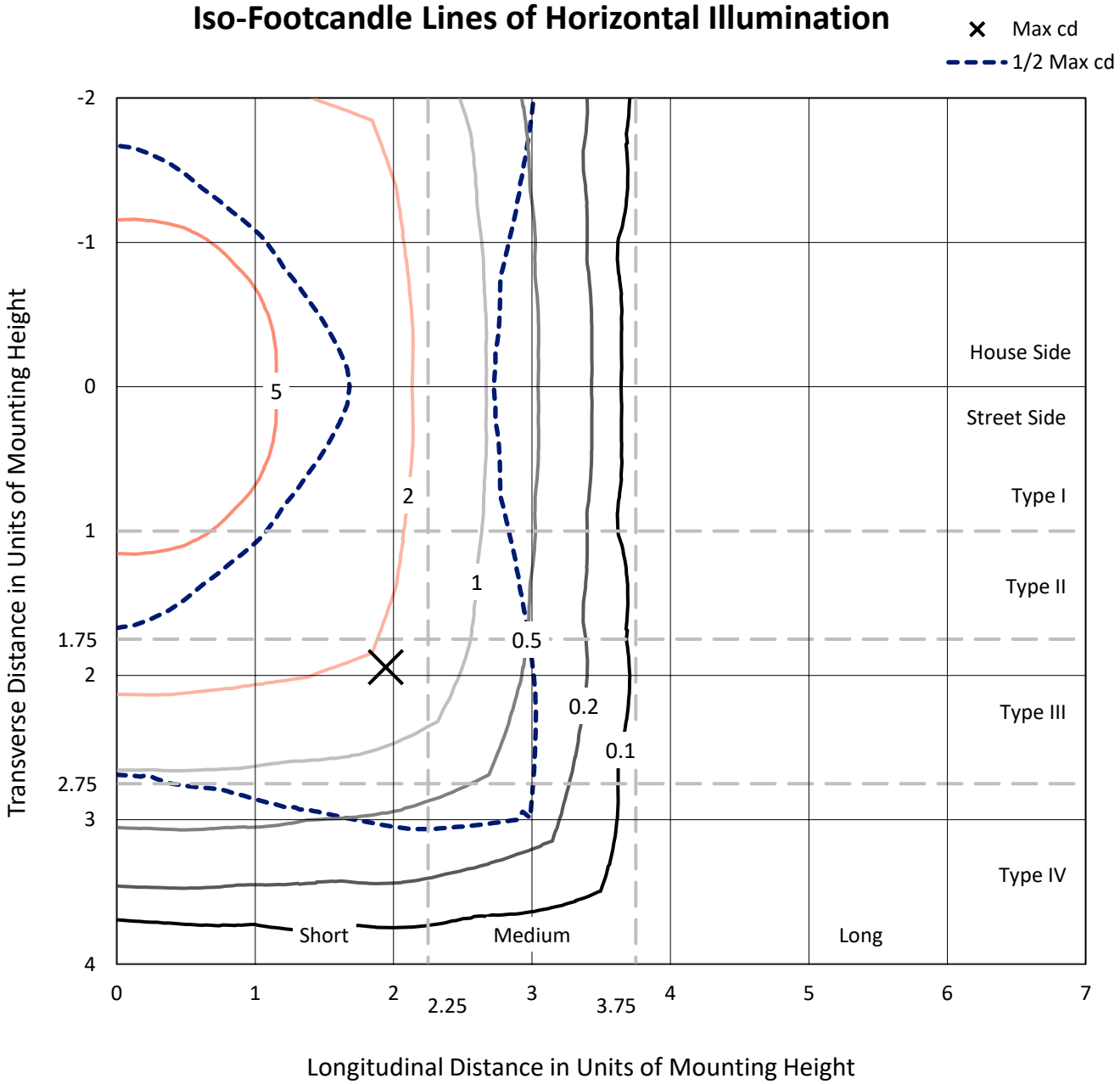


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## Iso-Footcandle Lines of Horizontal Illumination



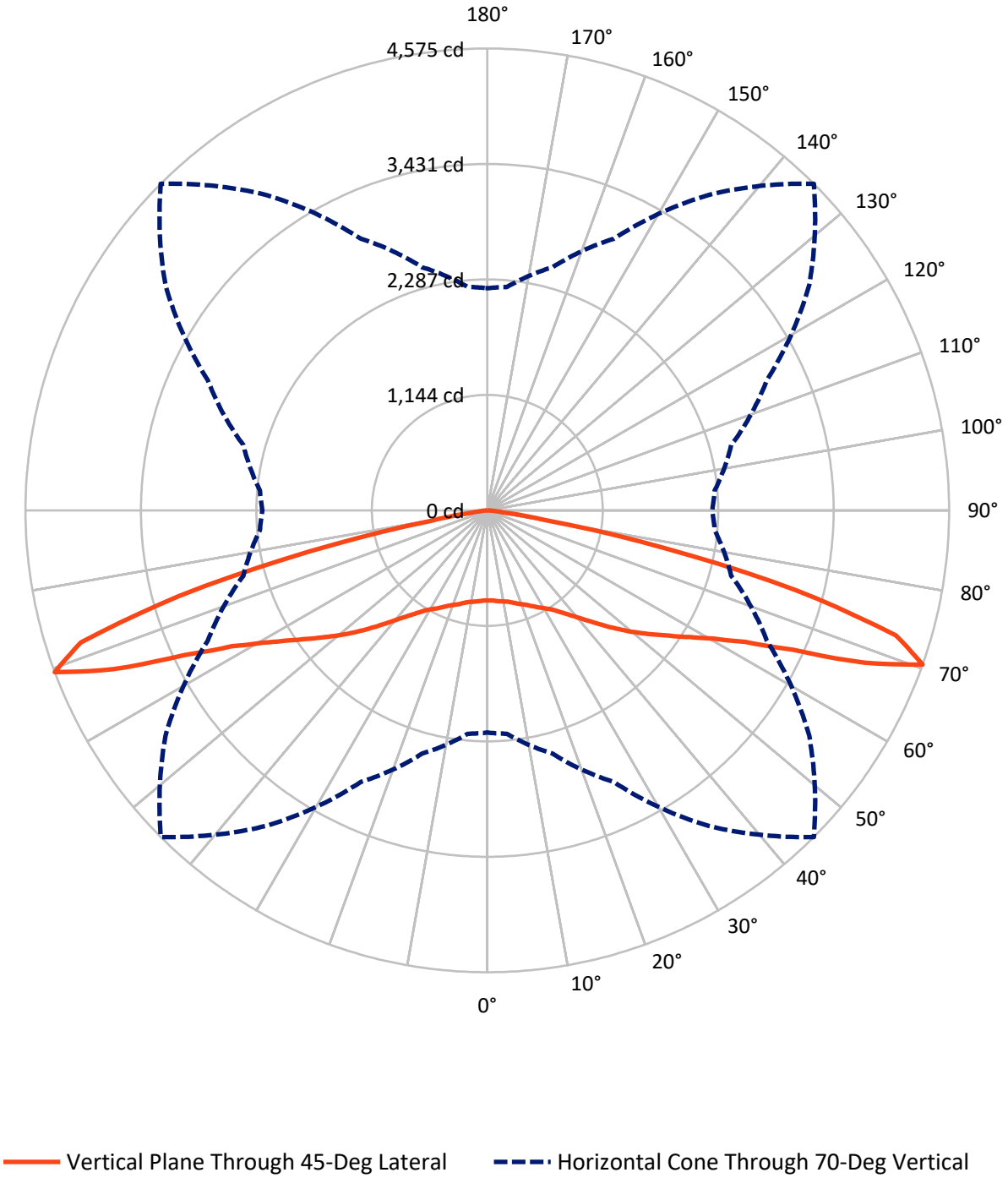

Based on 10 foot mounting height. Maximum calculated value = 8.9 fc
Type V - Short - N/A

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## Luminous Intensity Polar Plot



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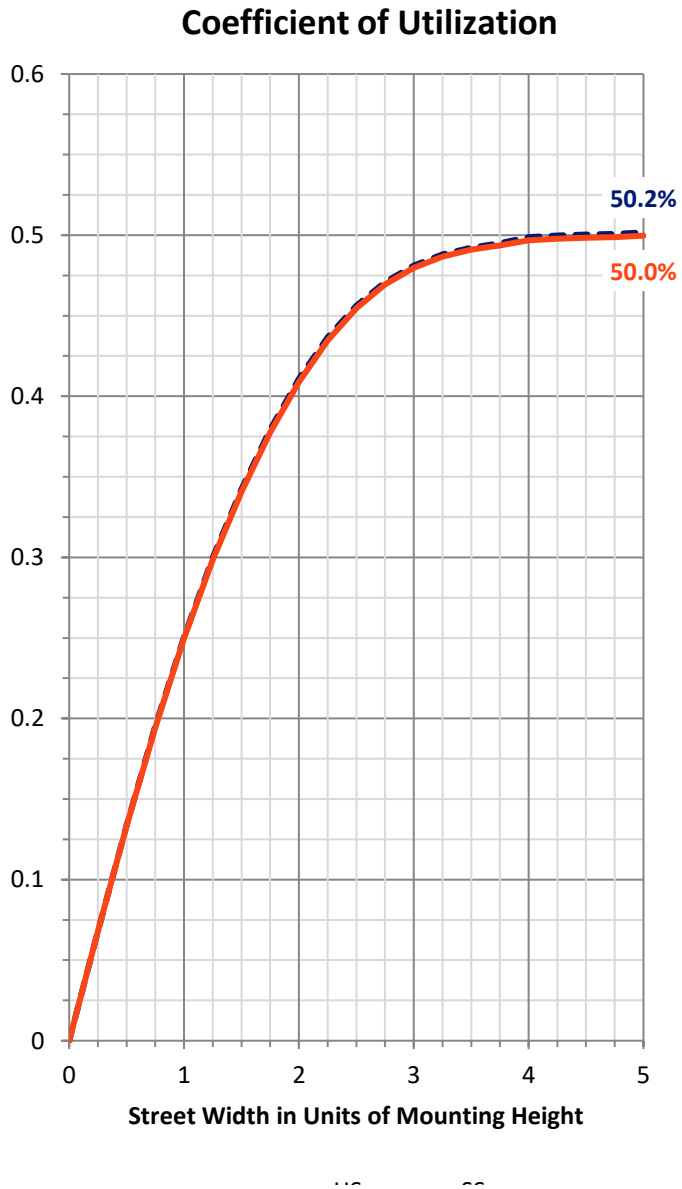
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 4658.0 | 0.0 | 4658.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| **Street Side** | Lumens | 4658.0 | 0.0 | 4658.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| **Total** | Lumens | 9316.0 | 0.0 | 9316.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 86.7 | 0.9 |
| 10°-20° | 268.8 | 2.9 |
| 20°-30° | 480.4 | 5.2 |
| 30°-40° | 778.8 | 8.4 |
| 40°-50° | 1268.5 | 13.6 |
| 50°-60° | 1934.0 | 20.8 |
| 60°-70° | 2877.2 | 30.9 |
| 70°-80° | 1568.2 | 16.8 |
| 80°-90° | 53.4 | 0.6 |
| 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° | 9316.0 | 100.0 |
| 0°-180° | 9316.0 | 100.0 |



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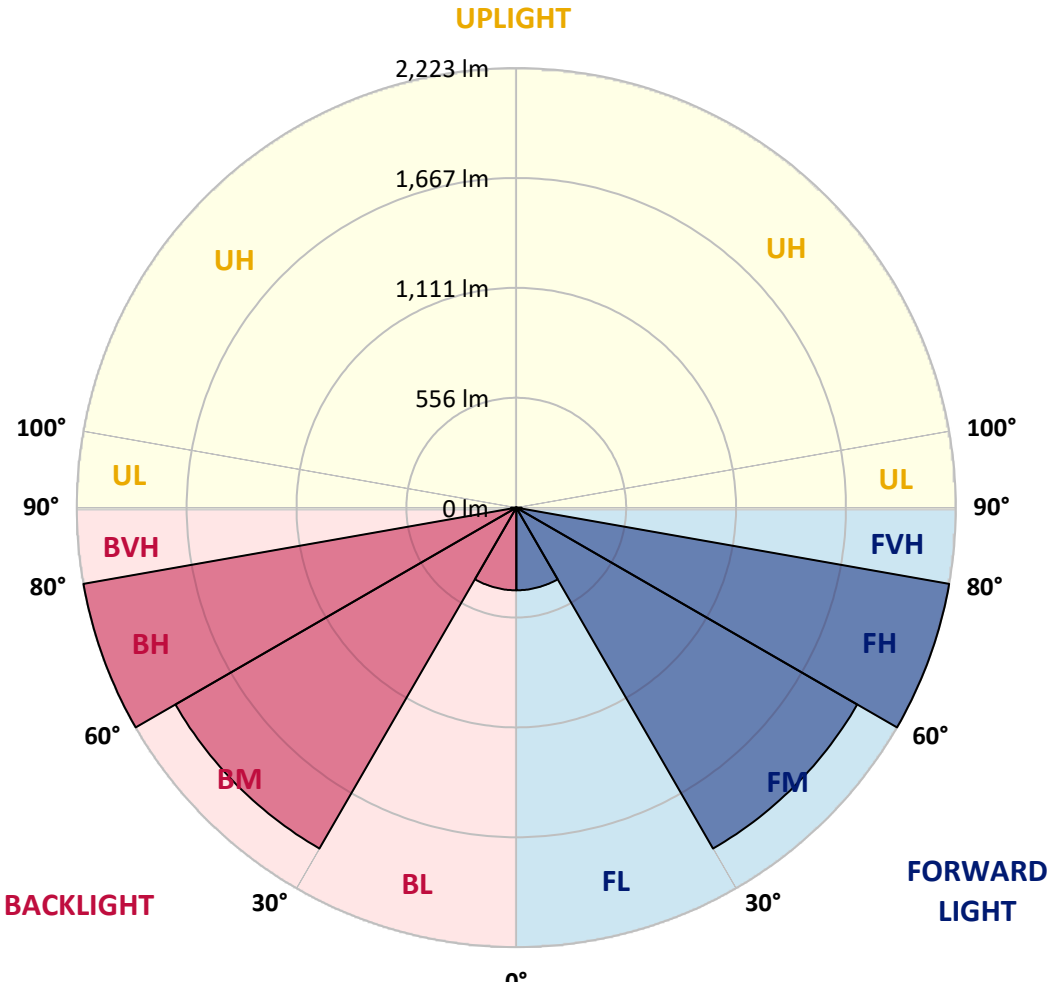
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 418.0 | 4.5 | | | |
| FM | (30°-60°) | 1990.6 | 21.4 | | | |
| FH | (60°-80°) | 2222.7 | 23.9 | | | G2/5000 |
| FVH | (80°-90°) | 26.7 | 0.3 | | | G1/100 |
| BL | (0°-30°) | 418.0 | 4.5 | B1/500 | | |
| BM | (30°-60°) | 1990.6 | 21.4 | B2/2500 | | |
| BH | (60°-80°) | 2222.7 | 23.9 | B3/2500 | | G2/5000 |
| BVH | (80°-90°) | 26.7 | 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-G2**
Type V Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 892.4 | 892.4 | 892.4 | 892.4 | 892.4 | *892.4* | 892.4 | 892.4 | 892.4 | 892.4 | 892.4 |
| 2.5° | 896.6 | 897.5 | 895.7 | 894.7 | 893.8 | *892.4* | 892.8 | 895.2 | 897.1 | 896.6 | 897.1 |
| 5° | 904.1 | 905.0 | 903.6 | 903.1 | 901.3 | *900.8* | 900.8 | 903.1 | 904.5 | 903.6 | 904.1 |
| 7.5° | 912.5 | 913.9 | 911.6 | 911.1 | 910.1 | *909.2* | 908.7 | 911.1 | 912.5 | 912.5 | 912.5 |
| 10° | 920.4 | 921.8 | 920.0 | 918.6 | 917.6 | *917.6* | 916.7 | 918.6 | 920.9 | 920.4 | 920.4 |
| 12.5° | 928.9 | 929.8 | 927.9 | 927.0 | 927.0 | *928.4* | 927.0 | 927.9 | 929.8 | 928.9 | 928.4 |
| 15° | 939.1 | 939.6 | 939.1 | 940.5 | 942.9 | *947.6* | 943.4 | 942.4 | 943.4 | 941.0 | 941.0 |
| 17.5° | 953.2 | 954.1 | 956.0 | 959.3 | 962.5 | *971.0* | 963.5 | 961.1 | 961.1 | 956.5 | 956.5 |
| 20° | 970.5 | 971.9 | 974.7 | 980.3 | 984.5 | *992.5* | 985.0 | 981.7 | 980.3 | 974.2 | 974.2 |
| 22.5° | 988.7 | 991.1 | 995.3 | 1002.8 | 1010.2 | *1017.7* | 1010.2 | 1004.6 | 1000.4 | 992.5 | 992.0 |
| 25° | 1009.8 | 1012.6 | 1019.1 | 1031.3 | 1041.6 | *1052.3* | 1043.4 | 1032.2 | 1023.8 | 1012.6 | 1012.1 |
| 27.5° | 1039.7 | 1043.0 | 1050.9 | 1065.9 | 1079.0 | *1088.3* | 1079.9 | 1065.4 | 1053.7 | 1040.2 | 1039.7 |
| 30° | 1081.8 | 1085.1 | 1094.4 | 1110.3 | 1119.2 | *1125.3* | 1119.7 | 1108.5 | 1094.4 | 1079.0 | 1079.0 |
| 32.5° | 1136.0 | 1140.3 | 1150.5 | 1165.5 | 1167.4 | *1168.3* | 1166.5 | 1160.8 | 1150.5 | 1131.8 | 1132.3 |
| 35° | 1204.8 | 1209.5 | 1221.2 | 1233.3 | 1231.5 | *1233.3* | 1230.5 | 1228.7 | 1221.2 | 1199.7 | 1199.7 |
| 37.5° | 1289.0 | 1294.6 | 1306.8 | 1316.1 | 1311.4 | *1309.1* | 1309.6 | 1310.0 | 1305.8 | 1282.0 | 1282.0 |
| 40° | 1386.7 | 1394.2 | 1403.1 | 1412.9 | 1405.0 | *1398.0* | 1402.6 | 1406.4 | 1402.6 | 1378.3 | 1378.3 |
| 42.5° | 1487.3 | 1498.1 | 1507.4 | 1521.4 | 1514.9 | *1506.0* | 1512.5 | 1516.8 | 1508.8 | 1482.6 | 1484.5 |
| 45° | 1599.1 | 1609.4 | 1621.5 | 1642.6 | 1637.9 | *1628.5* | 1637.9 | 1638.8 | 1625.3 | 1594.4 | 1597.7 |
| 47.5° | 1714.6 | 1725.4 | 1743.6 | 1771.7 | 1769.8 | *1759.5* | 1771.7 | 1765.1 | 1747.8 | 1710.9 | 1708.5 |
| 50° | 1824.0 | 1839.0 | 1867.1 | 1906.4 | 1910.1 | *1897.5* | 1913.8 | 1901.2 | 1872.2 | 1825.9 | 1825.0 |
| 52.5° | 1926.9 | 1942.8 | 1987.3 | 2040.6 | 2054.1 | *2037.8* | 2059.8 | 2037.8 | 1994.3 | 1934.9 | 1929.3 |
| 55° | 2035.0 | 2052.7 | 2105.6 | 2175.3 | 2202.4 | *2190.3* | 2210.8 | 2177.6 | 2115.9 | 2043.9 | 2034.0 |
| 57.5° | 2162.2 | 2172.9 | 2236.1 | 2318.9 | 2364.7 | *2367.5* | 2376.9 | 2320.7 | 2245.9 | 2164.1 | 2152.8 |
| 60° | 2300.2 | 2315.1 | 2383.9 | 2483.0 | 2555.5 | *2578.9* | 2569.1 | 2485.8 | 2398.8 | 2304.8 | 2289.9 |
| 62.5° | 2477.0 | 2493.3 | 2575.6 | 2694.4 | 2809.0 | *2867.0* | 2828.7 | 2708.0 | 2600.4 | 2487.7 | 2468.1 |
| 65° | 2623.3 | 2641.6 | 2790.3 | 3002.2 | 3210.8 | *3327.2* | 3230.9 | 3008.7 | 2815.1 | 2656.1 | 2629.9 |
| 67.5° | 2517.2 | 2539.6 | 2773.0 | 3162.1 | 3680.8 | *4028.3* | 3698.6 | 3209.8 | 2830.5 | 2614.9 | 2582.7 |
| 70° | *2200.1* | *2221.1* | *2493.3* | *2969.0* | *3813.2* | *4574.6* | *3892.7* | *3056.4* | *2502.2* | *2260.9* | *2228.6* |
| 72.5° | 1460.6 | 1528.5 | 1803.9 | 2374.5 | 3404.9 | *4233.2* | 3438.5 | 2326.4 | 1673.4 | 1457.4 | 1410.1 |
| 75° | 484.5 | 538.8 | 726.8 | 1231.0 | 2280.5 | *3165.9* | 2171.1 | 1089.3 | 575.7 | 414.4 | 391.9 |
| 77.5° | 122.1 | 140.8 | 194.1 | 352.2 | 909.7 | *1802.5* | 818.9 | 287.6 | 156.7 | 109.4 | 97.7 |
| 80° | 59.4 | 65.5 | 93.5 | 117.4 | 227.8 | *572.9* | 213.7 | 110.4 | 73.9 | 57.1 | 52.4 |
| 82.5° | 32.7 | 33.2 | 52.9 | 66.4 | 84.7 | *148.3* | 87.9 | 64.5 | 42.6 | 34.6 | 34.6 |
| 85° | 20.1 | 19.6 | 28.1 | 35.5 | 35.5 | *52.9* | 42.1 | 35.5 | 24.3 | 21.5 | 22.4 |
| 87.5° | 8.0 | 8.0 | 10.3 | 11.2 | 9.8 | *13.6* | 10.8 | 11.7 | 9.4 | 8.9 | 9.4 |
| 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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(END OF REPORT)