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: P1201499

Luminaire Tested: GWC-SB1B-735-U-5NQ

Issue Date: 10/30/2025

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Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1201499 |
| | TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18) |
| Test Lab: | INNOVATION CENTER |
| Issue Date: | 3/16/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GWC-SB1B-735-U-5NQ |
| Description: | GALLEON WALL LUMINAIRE |
| | (1) 70 CRI, 3500K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE V NARROW OPTICS |
| Light Source: | - |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 5933 lumens |
| Efficiency: | N/A |
| Efficacy: | 149.1 lumens/watt |
| Luminous Opening: | Rectangular (W 0.5' x L: 0.5' x H: 0') |
| IES Classification: | Type V - Short |
| BUG Rating: | B2 - U0 - G1 |

| | |
|---|---|
| Input Watts (W): | 39.8 |
| Input Voltage (V): | 120.0 |
| Input Current (Ain): | 0.33 |
| Voltage Rise (V): | NR |
| Power Factor: | 0.996 |
| Total Harmonic Distortion (THDi): | 5.305 |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

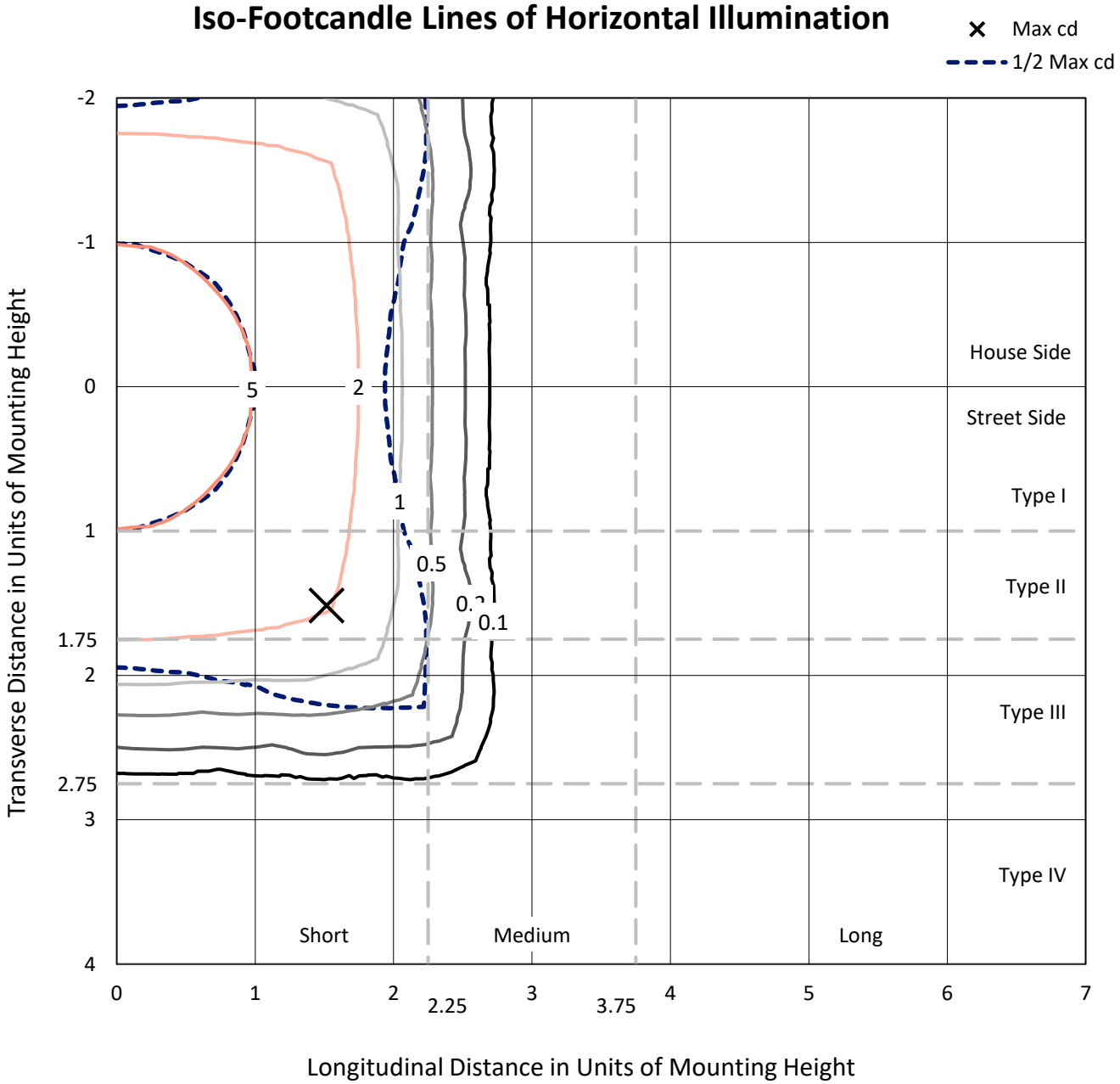


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## Iso-Footcandle Lines of Horizontal Illumination



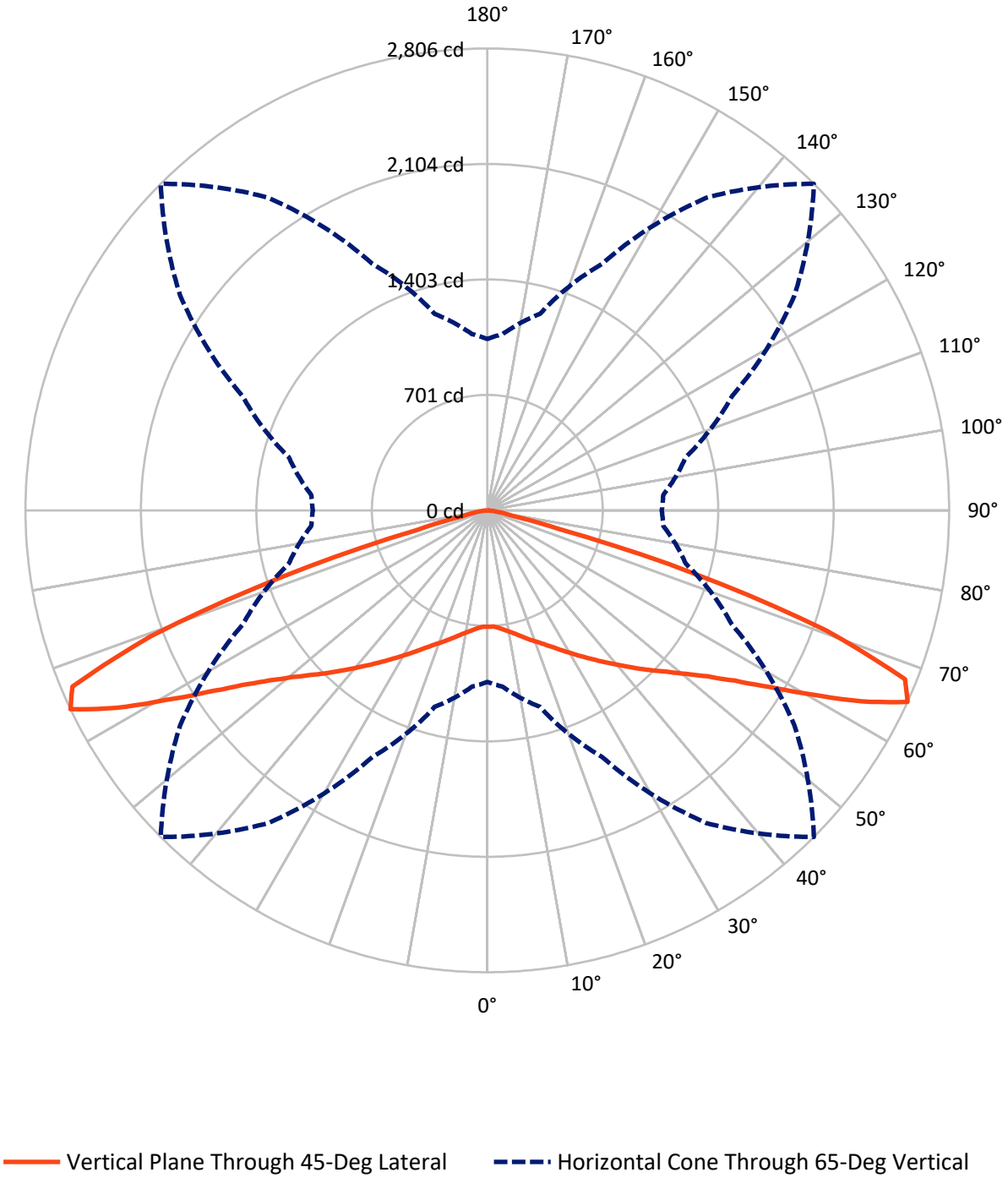

Based on 10 foot mounting height. Maximum calculated value = 7.2 fc
Type V - Short - N/A

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## Luminous Intensity Polar Plot



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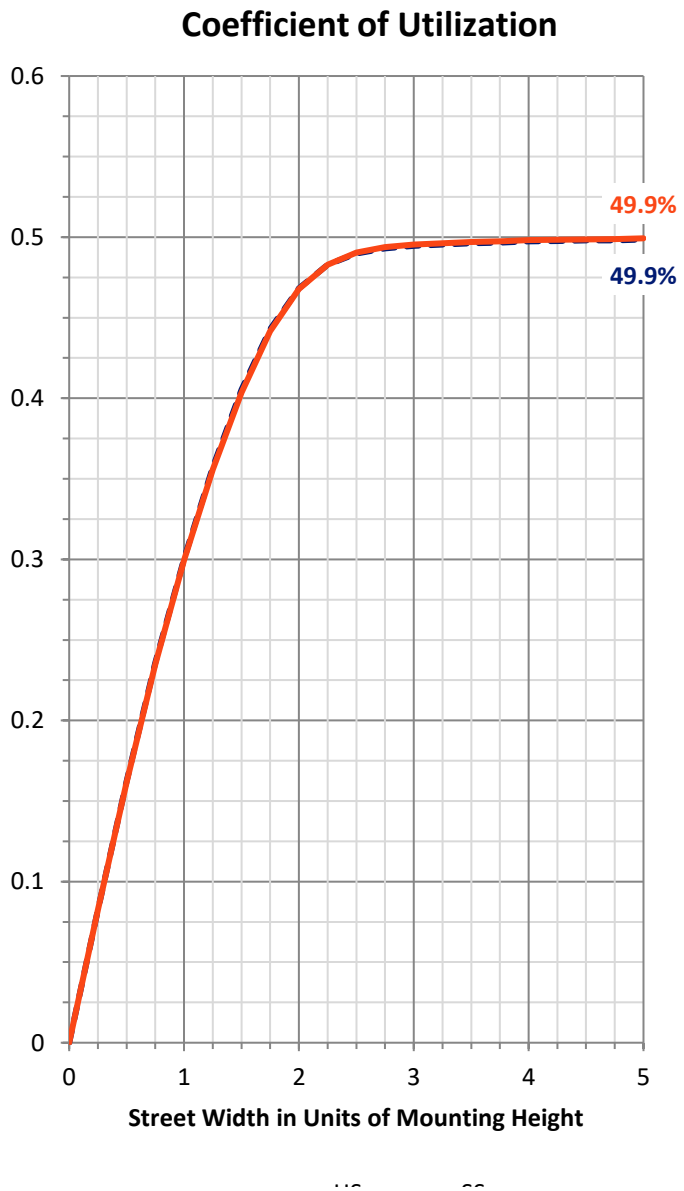
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 2966.5 | 0.0 | 2966.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| **Street Side** | Lumens | 2966.5 | 0.0 | 2966.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| **Total** | Lumens | 5933.0 | 0.0 | 5933.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 69.7 | 1.2 |
| 10°-20° | 227.4 | 3.8 |
| 20°-30° | 429.3 | 7.2 |
| 30°-40° | 703.0 | 11.8 |
| 40°-50° | 1090.0 | 18.4 |
| 50°-60° | 1610.2 | 27.1 |
| 60°-70° | 1532.8 | 25.8 |
| 70°-80° | 247.3 | 4.2 |
| 80°-90° | 23.3 | 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° | 5933.0 | 100.0 |
| 0°-180° | 5933.0 | 100.0 |



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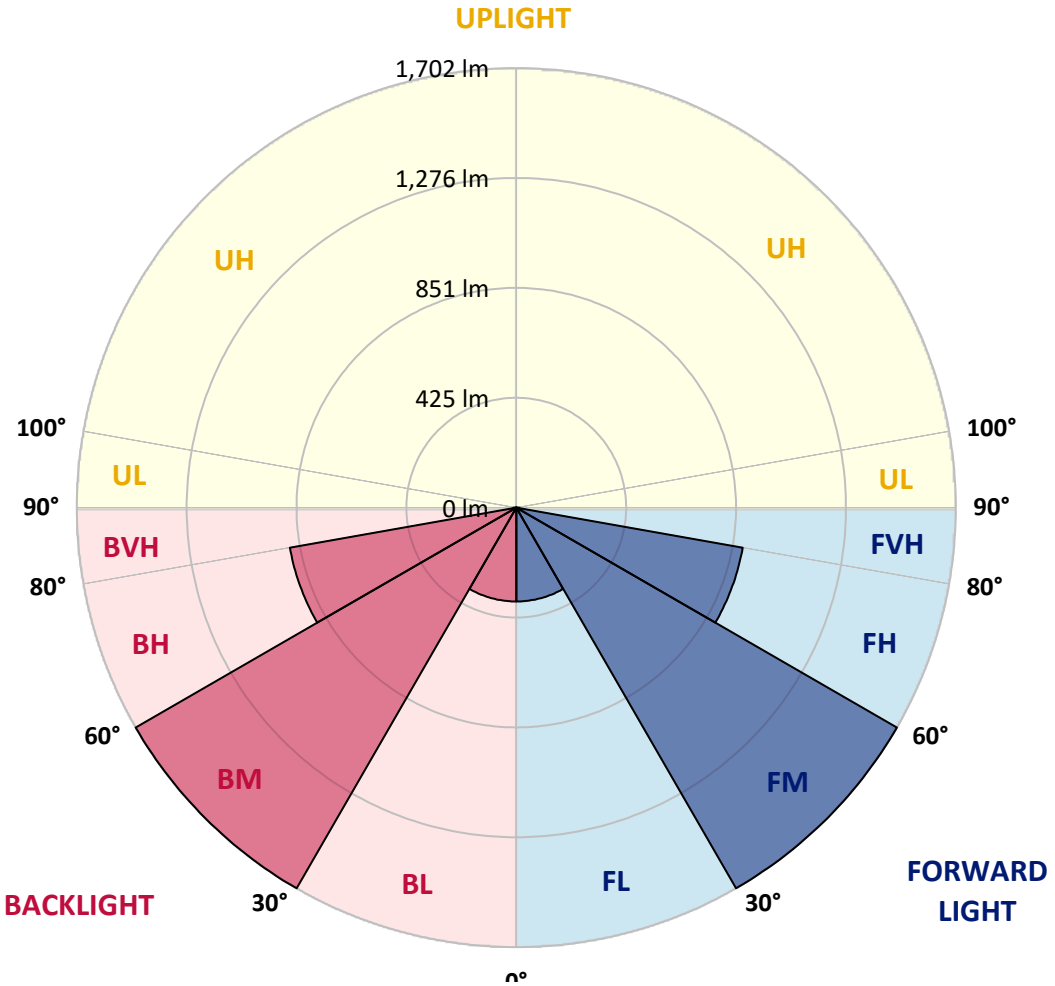
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 363.2 | 6.1 | | | |
| FM | (30°-60°) | 1701.6 | 28.7 | | | |
| FH | (60°-80°) | 890.0 | 15.0 | | | G1/1800 |
| FVH | (80°-90°) | 11.7 | 0.2 | | | G1/100 |
| BL | (0°-30°) | 363.2 | 6.1 | B1/500 | | |
| BM | (30°-60°) | 1701.6 | 28.7 | B2/2500 | | |
| BH | (60°-80°) | 890.0 | 15.0 | B2/1000 | | G1/1800 |
| BVH | (80°-90°) | 11.7 | 0.2 | | | 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 V Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 706.1 | 706.1 | 706.1 | 706.1 | 706.1 | *706.1* | 706.1 | 706.1 | 706.1 | 706.1 | 706.1 |
| 2.5° | 710.8 | 708.5 | 710.3 | 708.8 | 707.6 | *706.4* | 707.0 | 709.1 | 710.0 | 710.3 | 710.3 |
| 5° | 720.4 | 718.3 | 719.2 | 719.2 | 717.1 | *716.5* | 716.8 | 718.3 | 720.1 | 720.1 | 720.1 |
| 7.5° | 735.9 | 733.8 | 735.9 | 734.7 | 732.9 | *732.3* | 732.0 | 733.2 | 735.9 | 735.9 | 735.0 |
| 10° | 754.6 | 752.2 | 753.4 | 752.8 | 750.7 | *749.8* | 749.5 | 751.3 | 753.7 | 753.4 | 752.8 |
| 12.5° | 775.1 | 772.5 | 774.0 | 772.2 | 771.6 | *770.7* | 770.7 | 770.4 | 771.9 | 770.7 | 771.3 |
| 15° | 798.1 | 796.3 | 796.9 | 795.7 | 796.6 | *796.0* | 793.6 | 792.4 | 793.0 | 791.2 | 791.5 |
| 17.5° | 825.2 | 821.0 | 823.1 | 822.5 | 822.5 | *823.7* | 819.8 | 818.3 | 819.5 | 817.7 | 819.2 |
| 20° | 856.4 | 852.2 | 853.1 | 851.9 | 850.5 | *851.6* | 846.9 | 848.1 | 849.0 | 847.8 | 850.5 |
| 22.5° | 890.6 | 885.3 | 885.0 | 885.6 | 882.3 | *882.6* | 879.3 | 882.3 | 884.1 | 880.8 | 884.1 |
| 25° | 925.8 | 920.1 | 924.0 | 922.5 | 918.3 | *919.2* | 916.8 | 919.8 | 921.3 | 917.1 | 921.9 |
| 27.5° | 963.0 | 959.1 | 962.7 | 963.6 | 958.5 | *962.1* | 958.5 | 961.2 | 962.7 | 956.4 | 961.2 |
| 30° | 1006.4 | 1002.6 | 1005.8 | 1008.2 | 1002.3 | *1007.9* | 1005.0 | 1006.7 | 1007.0 | 999.6 | 1004.1 |
| 32.5° | 1053.8 | 1047.8 | 1056.2 | 1057.3 | 1050.8 | *1057.6* | 1053.8 | 1056.2 | 1057.6 | 1047.5 | 1054.4 |
| 35° | 1111.5 | 1104.1 | 1113.6 | 1112.1 | 1106.5 | *1112.1* | 1108.5 | 1112.1 | 1115.7 | 1103.5 | 1110.9 |
| 37.5° | 1173.7 | 1166.0 | 1176.1 | 1173.4 | 1168.1 | *1171.9* | 1169.9 | 1172.2 | 1177.9 | 1164.8 | 1172.8 |
| 40° | 1242.2 | 1232.7 | 1246.4 | 1241.6 | 1236.5 | *1235.9* | 1237.1 | 1238.6 | 1246.1 | 1231.5 | 1236.2 |
| 42.5° | 1315.4 | 1305.3 | 1325.8 | 1318.4 | 1311.3 | *1306.5* | 1310.4 | 1313.3 | 1320.5 | 1304.1 | 1312.7 |
| 45° | 1399.1 | 1387.5 | 1414.3 | 1405.3 | 1394.0 | *1384.2* | 1390.4 | 1394.9 | 1405.3 | 1385.7 | 1395.8 |
| 47.5° | 1491.4 | 1478.3 | 1506.8 | 1504.2 | 1485.7 | *1464.3* | 1478.6 | 1491.4 | 1499.1 | 1475.3 | 1483.3 |
| 50° | 1581.6 | 1571.4 | 1608.9 | 1612.2 | 1589.6 | *1559.5* | 1579.5 | 1598.8 | 1600.9 | 1569.6 | 1573.5 |
| 52.5° | 1666.1 | 1656.0 | 1710.4 | 1731.0 | 1710.7 | *1675.0* | 1696.2 | 1715.8 | 1700.0 | 1659.5 | 1660.7 |
| 55° | 1733.7 | 1725.3 | 1794.7 | 1847.7 | 1854.5 | *1825.0* | 1837.6 | 1837.0 | 1785.2 | 1722.9 | 1725.0 |
| 57.5° | 1750.0 | 1748.8 | 1836.4 | 1948.6 | 2020.0 | *2023.6* | 1998.9 | 1935.8 | 1824.2 | 1740.5 | 1735.2 |
| 60° | 1675.6 | 1683.1 | 1803.3 | 2001.3 | 2191.8 | *2271.0* | 2164.1 | 1984.0 | 1779.8 | 1663.7 | 1650.0 |
| 62.5° | 1453.0 | 1472.6 | 1617.6 | 1937.0 | 2330.5 | *2555.5* | 2296.6 | 1910.8 | 1597.6 | 1446.1 | 1437.2 |
| 65° | *1041.3* | *1075.5* | *1235.7* | *1653.0* | *2318.0* | *2805.6* | *2277.5* | *1639.6* | *1247.6* | *1072.8* | *1060.0* |
| 67.5° | 472.4 | 507.2 | 643.3 | 1131.8 | 2015.0 | *2737.7* | 2010.2 | 1143.7 | 675.4 | 509.0 | 501.6 |
| 70° | 171.2 | 177.1 | 220.9 | 453.1 | 1287.7 | *2181.4* | 1342.8 | 456.3 | 234.9 | 188.7 | 186.3 |
| 72.5° | 103.6 | 104.5 | 113.7 | 162.2 | 447.4 | *1324.4* | 466.5 | 167.6 | 116.1 | 103.0 | 104.8 |
| 75° | 65.8 | 65.2 | 81.0 | 99.1 | 158.7 | *446.8* | 166.4 | 99.1 | 80.7 | 73.5 | 74.1 |
| 77.5° | 47.3 | 48.8 | 58.0 | 74.1 | 100.0 | *151.5* | 98.2 | 70.8 | 58.0 | 47.6 | 48.5 |
| 80° | 35.4 | 36.3 | 42.3 | 57.7 | 70.3 | *94.4* | 62.5 | 52.4 | 43.8 | 29.8 | 30.7 |
| 82.5° | 25.6 | 25.6 | 27.7 | 42.0 | 42.9 | *50.9* | 33.9 | 36.9 | 28.9 | 21.1 | 21.1 |
| 85° | 15.2 | 14.9 | 17.3 | 25.0 | 22.3 | *18.8* | 15.5 | 22.6 | 18.2 | 13.1 | 12.8 |
| 87.5° | 5.4 | 5.7 | 5.4 | 7.1 | 6.0 | *5.1* | 4.8 | 6.3 | 5.1 | 4.5 | 4.2 |
| 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)