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: P1200302

Luminaire Tested: GPC-SB2C-827-U-5MQ

Issue Date: 10/30/2025

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Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1200302 |
| | TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20) |
| Test Lab: | INNOVATION CENTER |
| Issue Date: | 3/15/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GPC-SB2C-827-U-5MQ |
| Description: | GALLEON PEDESTRIAN LUMINAIRE |
| | (2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS |
| Light Source: | - |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 13636 lumens |
| Efficiency: | N/A |
| Efficacy: | 135.1 lumens/watt |
| Luminous Opening: | Rectangular (W 1' x L: 0.5' x H: 0') |
| IES Classification: | Type V - Short |
| BUG Rating: | B4 - U0 - G2 |

| | |
|---|---|
| Input Watts (W): | 100.9 |
| Input Voltage (V): | 120.0 |
| Input Current (Ain): | 0.857 |
| Voltage Rise (V): | NR |
| Power Factor: | 0.994 |
| Total Harmonic Distortion (THDi): | 9.472 |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

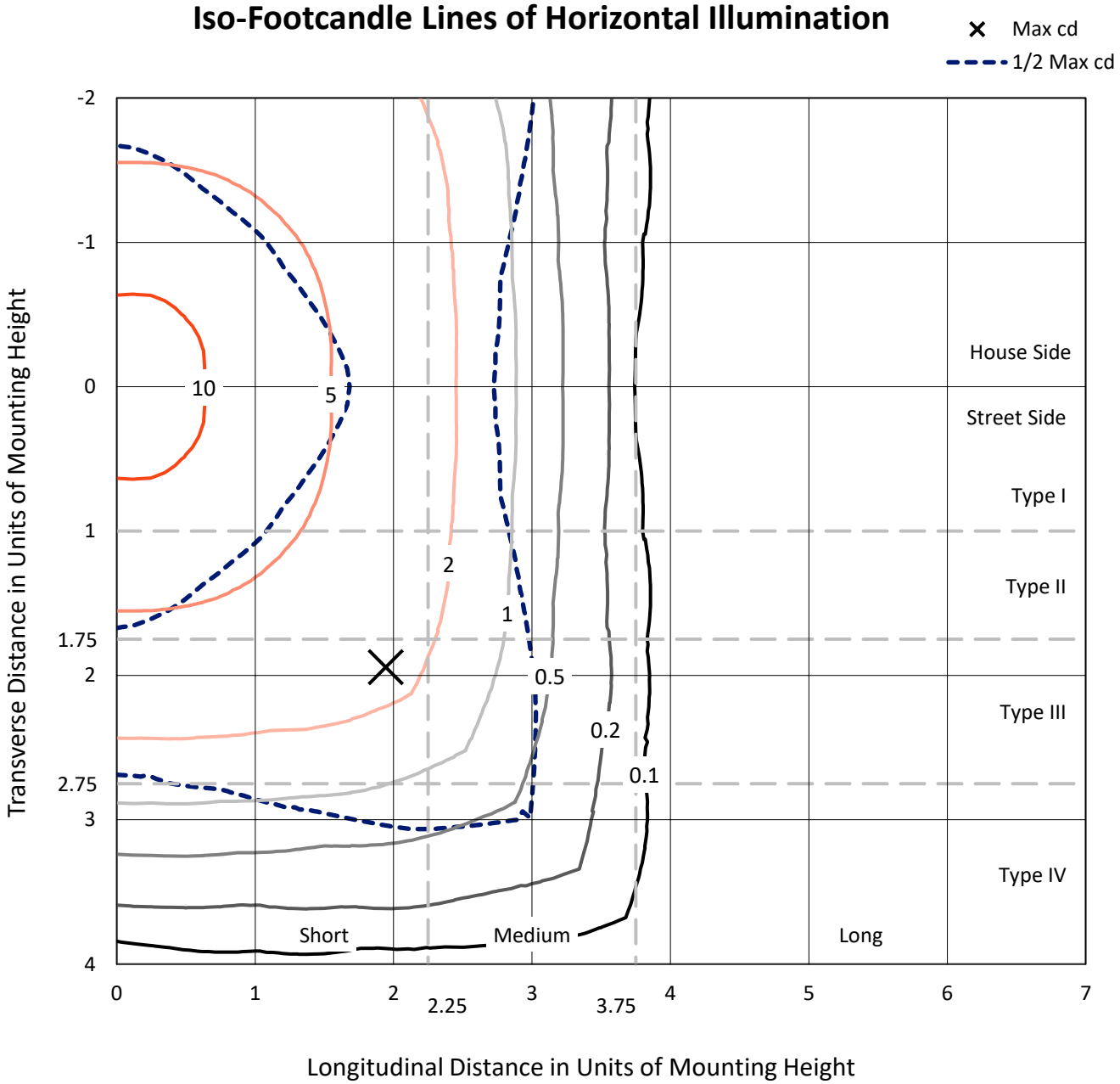


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## Iso-Footcandle Lines of Horizontal Illumination



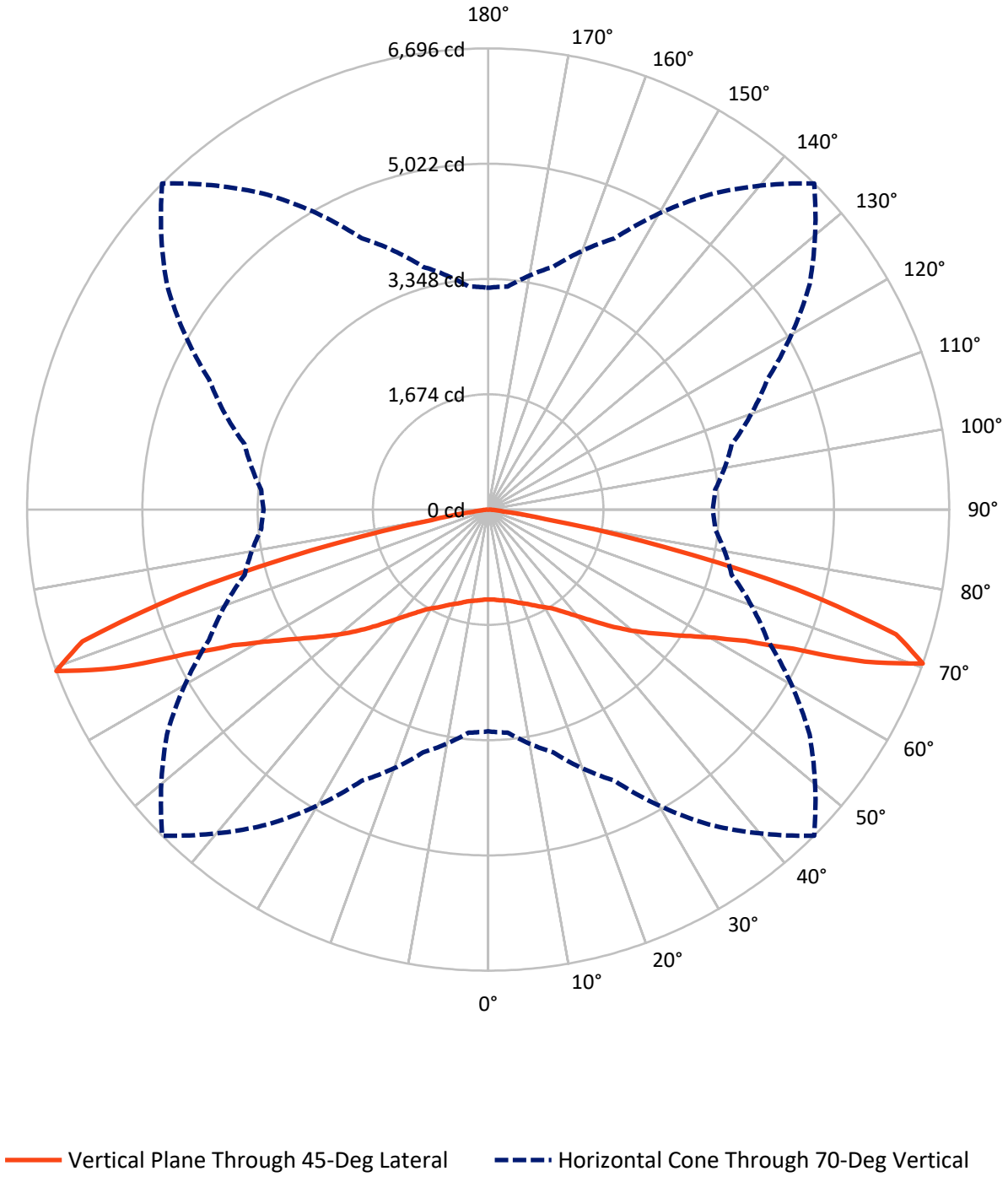

Based on 10 foot mounting height. Maximum calculated value = 13.1 fc
Type V - Short - N/A

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## Luminous Intensity Polar Plot



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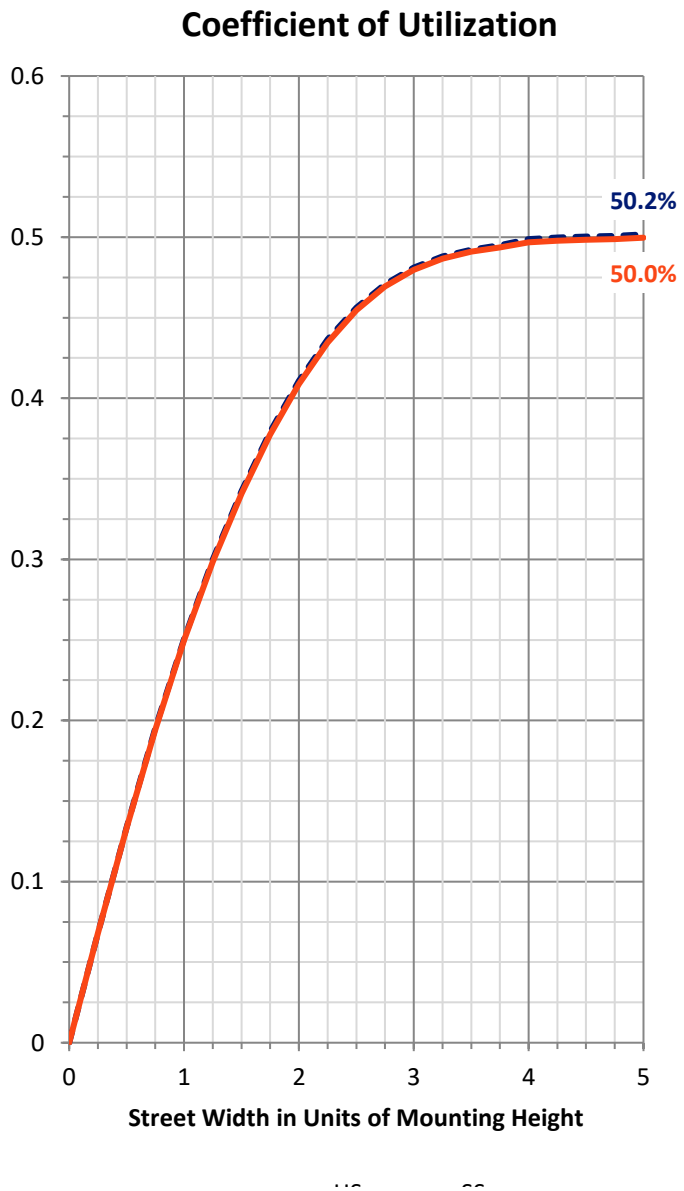
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 6818.0 | 0.0 | 6818.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| **Street Side** | Lumens | 6818.0 | 0.0 | 6818.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| **Total** | Lumens | 13636.0 | 0.0 | 13636.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 126.9 | 0.9 |
| 10°-20° | 393.5 | 2.9 |
| 20°-30° | 703.2 | 5.2 |
| 30°-40° | 1139.9 | 8.4 |
| 40°-50° | 1856.7 | 13.6 |
| 50°-60° | 2830.9 | 20.8 |
| 60°-70° | 4211.4 | 30.9 |
| 70°-80° | 2295.3 | 16.8 |
| 80°-90° | 78.2 | 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° | 13636.0 | 100.0 |
| 0°-180° | 13636.0 | 100.0 |



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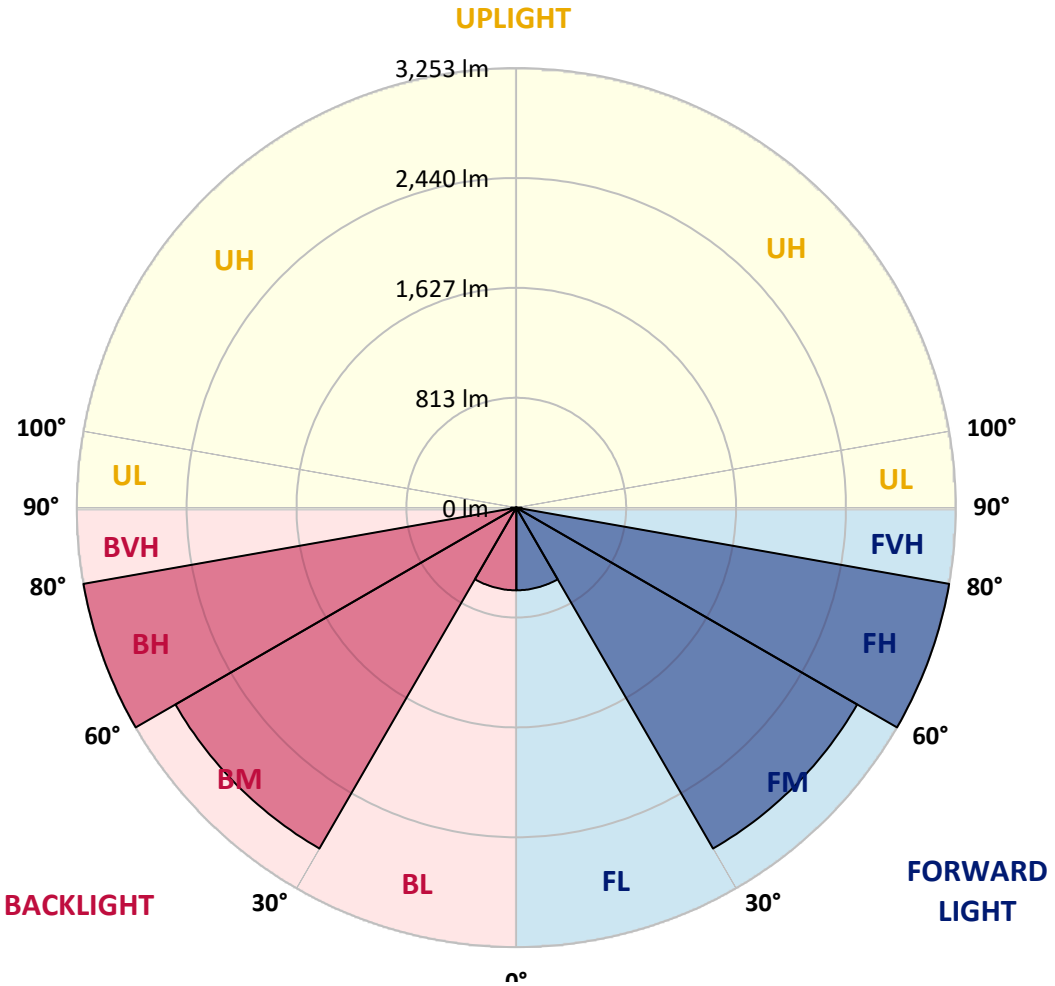
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 611.8 | 4.5 | | | |
| FM | (30°-60°) | 2913.7 | 21.4 | | | |
| FH | (60°-80°) | 3253.4 | 23.9 | | | G2/5000 |
| FVH | (80°-90°) | 39.1 | 0.3 | | | G1/100 |
| BL | (0°-30°) | 611.8 | 4.5 | B2/1000 | | |
| BM | (30°-60°) | 2913.7 | 21.4 | B3/5000 | | |
| BH | (60°-80°) | 3253.4 | 23.9 | B4/5000 | | G2/5000 |
| BVH | (80°-90°) | 39.1 | 0.3 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

**BUG Rating: B4-U0-G2**
Type V Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1306.2 | 1306.2 | 1306.2 | 1306.2 | 1306.2 | *1306.2* | 1306.2 | 1306.2 | 1306.2 | 1306.2 | 1306.2 |
| 2.5° | 1312.3 | 1313.7 | 1311.0 | 1309.6 | 1308.2 | *1306.2* | 1306.9 | 1310.3 | 1313.0 | 1312.3 | 1313.0 |
| 5° | 1323.3 | 1324.7 | 1322.6 | 1321.9 | 1319.2 | *1318.5* | 1318.5 | 1321.9 | 1324.0 | 1322.6 | 1323.3 |
| 7.5° | 1335.6 | 1337.7 | 1334.3 | 1333.6 | 1332.2 | *1330.8* | 1330.1 | 1333.6 | 1335.6 | 1335.6 | 1335.6 |
| 10° | 1347.3 | 1349.3 | 1346.6 | 1344.5 | 1343.2 | *1343.2* | 1341.8 | 1344.5 | 1347.9 | 1347.3 | 1347.3 |
| 12.5° | 1359.6 | 1361.0 | 1358.2 | 1356.8 | 1356.8 | *1358.9* | 1356.8 | 1358.2 | 1361.0 | 1359.6 | 1358.9 |
| 15° | 1374.6 | 1375.3 | 1374.6 | 1376.7 | 1380.1 | *1387.0* | 1380.8 | 1379.4 | 1380.8 | 1377.4 | 1377.4 |
| 17.5° | 1395.2 | 1396.6 | 1399.3 | 1404.1 | 1408.9 | *1421.2* | 1410.2 | 1406.8 | 1406.8 | 1400.0 | 1400.0 |
| 20° | 1420.5 | 1422.6 | 1426.7 | 1434.9 | 1441.1 | *1452.7* | 1441.7 | 1436.9 | 1434.9 | 1426.0 | 1426.0 |
| 22.5° | 1447.2 | 1450.6 | 1456.8 | 1467.7 | 1478.7 | *1489.7* | 1478.7 | 1470.5 | 1464.3 | 1452.7 | 1452.0 |
| 25° | 1478.0 | 1482.1 | 1491.7 | 1509.5 | 1524.6 | *1540.3* | 1527.3 | 1510.9 | 1498.6 | 1482.1 | 1481.4 |
| 27.5° | 1521.8 | 1526.6 | 1538.3 | 1560.2 | 1579.3 | *1593.0* | 1580.7 | 1559.5 | 1542.4 | 1522.5 | 1521.8 |
| 30° | 1583.4 | 1588.2 | 1601.9 | 1625.2 | 1638.2 | *1647.1* | 1638.9 | 1622.5 | 1601.9 | 1579.3 | 1579.3 |
| 32.5° | 1662.9 | 1669.0 | 1684.1 | 1706.0 | 1708.7 | *1710.1* | 1707.4 | 1699.1 | 1684.1 | 1656.7 | 1657.4 |
| 35° | 1763.5 | 1770.3 | 1787.5 | 1805.2 | 1802.5 | *1805.2* | 1801.1 | 1798.4 | 1787.5 | 1756.0 | 1756.0 |
| 37.5° | 1886.7 | 1894.9 | 1912.7 | 1926.4 | 1919.6 | *1916.2* | 1916.8 | 1917.5 | 1911.4 | 1876.4 | 1876.4 |
| 40° | 2029.8 | 2040.7 | 2053.8 | 2068.1 | 2056.5 | *2046.2* | 2053.1 | 2058.5 | 2053.1 | 2017.5 | 2017.5 |
| 42.5° | 2177.0 | 2192.7 | 2206.4 | 2227.0 | 2217.4 | *2204.4* | 2213.9 | 2220.1 | 2208.5 | 2170.1 | 2172.9 |
| 45° | 2340.6 | 2355.7 | 2373.5 | 2404.3 | 2397.4 | *2383.7* | 2397.4 | 2398.8 | 2378.9 | 2333.7 | 2338.5 |
| 47.5° | 2509.7 | 2525.4 | 2552.1 | 2593.2 | 2590.5 | *2575.4* | 2593.2 | 2583.6 | 2558.3 | 2504.2 | 2500.8 |
| 50° | 2669.9 | 2691.8 | 2732.9 | 2790.4 | 2795.8 | *2777.4* | 2801.3 | 2782.8 | 2740.4 | 2672.6 | 2671.2 |
| 52.5° | 2820.5 | 2843.8 | 2908.8 | 2986.8 | 3006.7 | *2982.7* | 3014.9 | 2982.7 | 2919.1 | 2832.1 | 2823.9 |
| 55° | 2978.6 | 3004.6 | 3082.0 | 3184.0 | 3223.7 | *3205.9* | 3236.0 | 3187.4 | 3097.1 | 2991.6 | 2977.3 |
| 57.5° | 3164.8 | 3180.6 | 3273.0 | 3394.2 | 3461.3 | *3465.4* | 3479.1 | 3396.9 | 3287.4 | 3167.6 | 3151.1 |
| 60° | 3366.8 | 3388.7 | 3489.3 | 3634.5 | 3740.6 | *3774.8* | 3760.4 | 3638.6 | 3511.2 | 3373.6 | 3351.7 |
| 62.5° | 3625.6 | 3649.5 | 3770.0 | 3943.9 | 4111.6 | *4196.5* | 4140.4 | 3963.7 | 3806.3 | 3641.3 | 3612.6 |
| 65° | 3839.8 | 3866.5 | 4084.2 | 4394.3 | 4699.7 | *4870.1* | 4729.1 | 4403.9 | 4120.5 | 3887.8 | 3849.4 |
| 67.5° | 3684.4 | 3717.3 | 4058.9 | 4628.5 | 5387.7 | *5896.3* | 5413.7 | 4698.3 | 4143.1 | 3827.5 | 3780.3 |
| 70° | *3220.3* | *3251.1* | *3649.5* | *4345.7* | *5581.4* | *6695.9* | *5697.8* | *4473.8* | *3662.5* | *3309.3* | *3262.0* |
| 72.5° | 2138.0 | 2237.2 | 2640.4 | 3475.6 | 4983.8 | *6196.2* | 5033.1 | 3405.1 | 2449.4 | 2133.2 | 2064.0 |
| 75° | 709.2 | 788.6 | 1063.8 | 1801.8 | 3338.0 | *4634.0* | 3177.8 | 1594.4 | 842.7 | 606.5 | 573.7 |
| 77.5° | 178.7 | 206.1 | 284.1 | 515.5 | 1331.5 | *2638.4* | 1198.7 | 421.0 | 229.3 | 160.2 | 143.1 |
| 80° | 86.9 | 95.8 | 136.9 | 171.8 | 333.4 | *838.6* | 312.9 | 161.6 | 108.2 | 83.5 | 76.7 |
| 82.5° | 47.9 | 48.6 | 77.4 | 97.2 | 123.9 | *217.0* | 128.7 | 94.5 | 62.3 | 50.7 | 50.7 |
| 85° | 29.4 | 28.8 | 41.1 | 52.0 | 52.0 | *77.4* | 61.6 | 52.0 | 35.6 | 31.5 | 32.9 |
| 87.5° | 11.6 | 11.6 | 15.1 | 16.4 | 14.4 | *19.9* | 15.7 | 17.1 | 13.7 | 13.0 | 13.7 |
| 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)