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: P1199243

Luminaire Tested: GPC-SB2A-735-U-RW

Issue Date: 10/30/2025

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Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1199243 |
| | TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19) |
| Test Lab: | INNOVATION CENTER |
| Issue Date: | 3/13/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GPC-SB2A-735-U-RW |
| Description: | GALLEON PEDESTRIAN LUMINAIRE |
| | (2) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR WIDE OF |
| Light Source: | - |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 9236 lumens |
| Efficiency: | N/A |
| Efficacy: | 161.2 lumens/watt |
| Luminous Opening: | Rectangular (W 1' x L: 0.5' x H: 0') |
| IES Classification: | Type III - Medium |
| BUG Rating: | B3 - U0 - G3 |

| | |
|---|---|
| Input Watts (W): | 57.3 |
| Input Voltage (V): | 120.0 |
| Input Current (Ain): | 0.484 |
| Voltage Rise (V): | NR |
| Power Factor: | 0.994 |
| Total Harmonic Distortion (THDi): | 9.038 |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

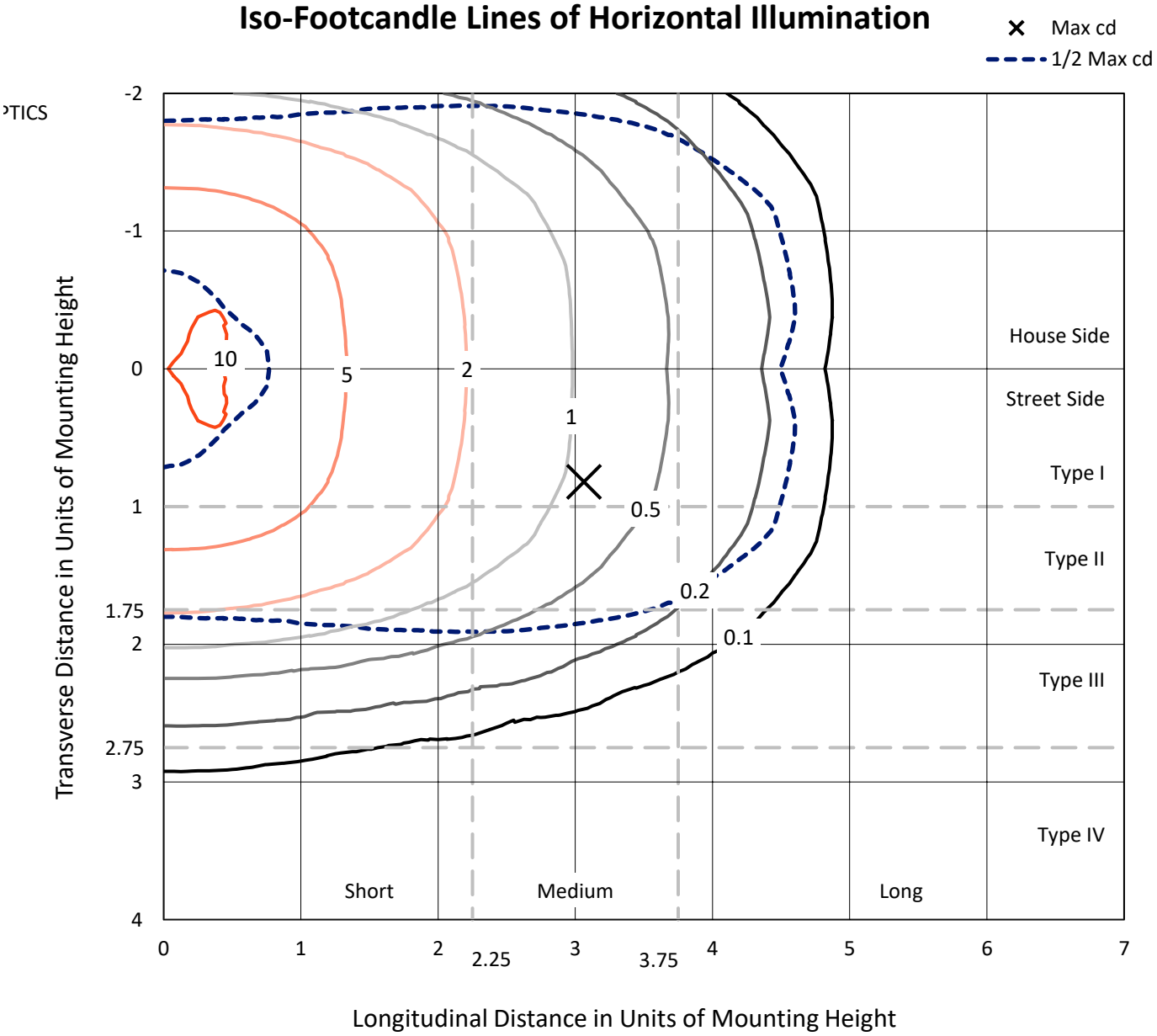


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## Iso-Footcandle Lines of Horizontal Illumination



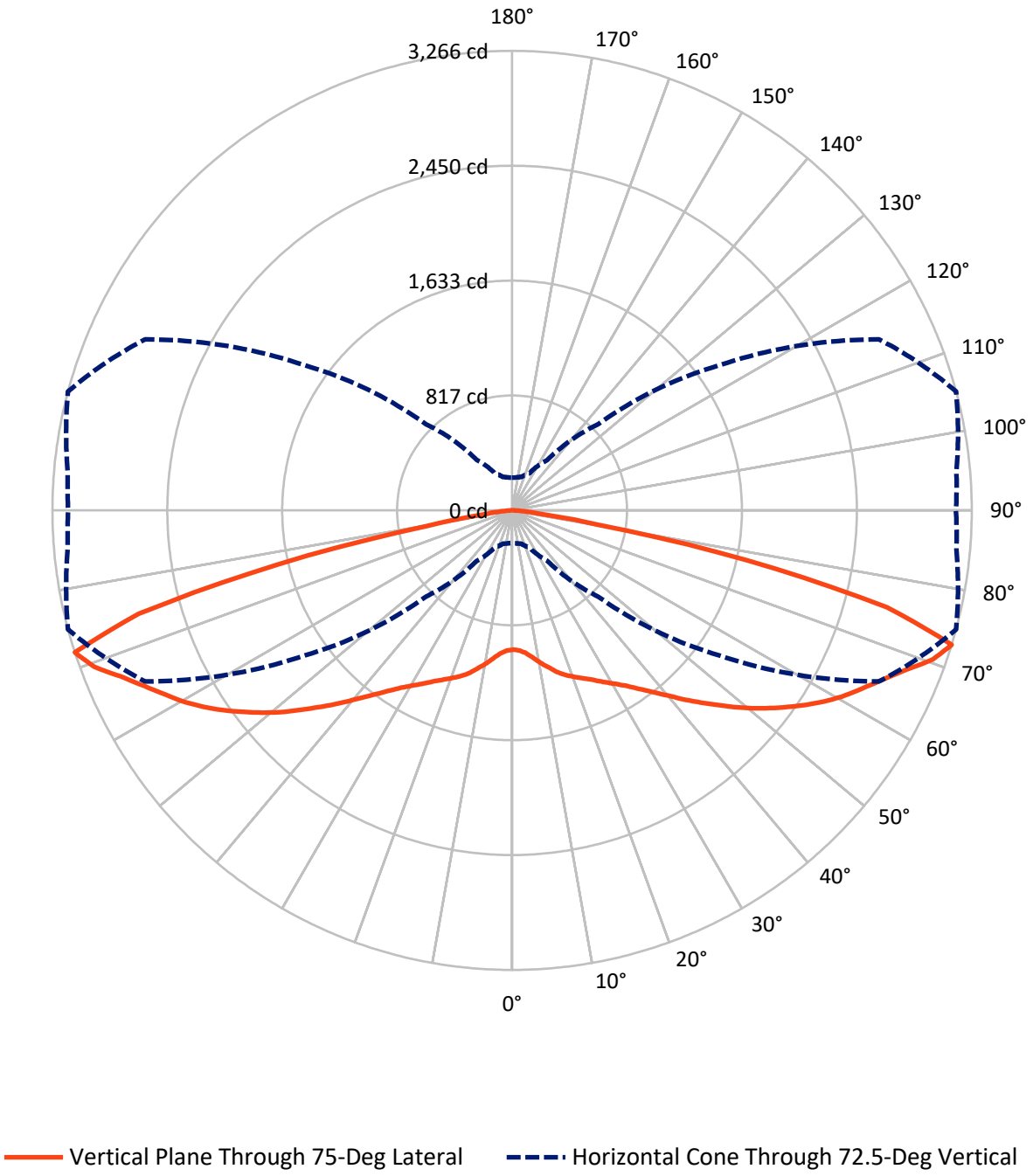

Based on 10 foot mounting height. Maximum calculated value = 10.8 fc
Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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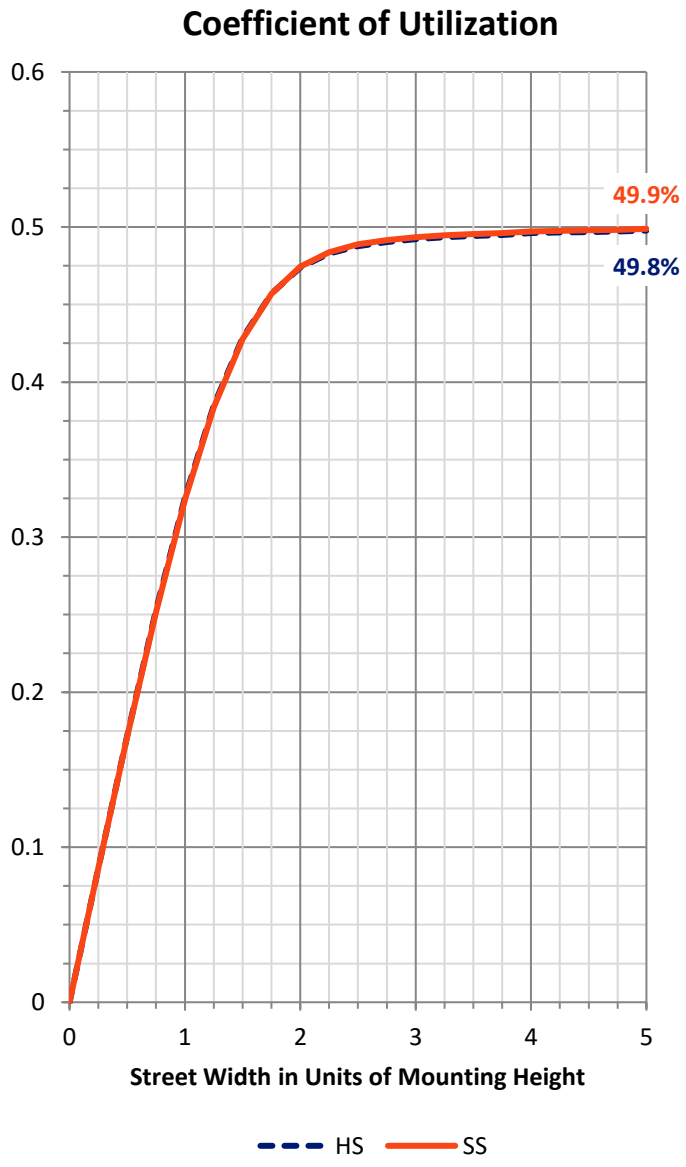
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 4618.0 | 0.0 | 4618.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| **Street Side** | Lumens | 4618.0 | 0.0 | 4618.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| **Total** | Lumens | 9236.0 | 0.0 | 9236.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 96.9 | 1.0 |
| 10°-20° | 319.6 | 3.5 |
| 20°-30° | 617.6 | 6.7 |
| 30°-40° | 1042.9 | 11.3 |
| 40°-50° | 1654.0 | 17.9 |
| 50°-60° | 2214.5 | 24.0 |
| 60°-70° | 2107.5 | 22.8 |
| 70°-80° | 1099.7 | 11.9 |
| 80°-90° | 83.2 | 0.9 |
| 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° | 9236.0 | 100.0 |
| 0°-180° | 9236.0 | 100.0 |



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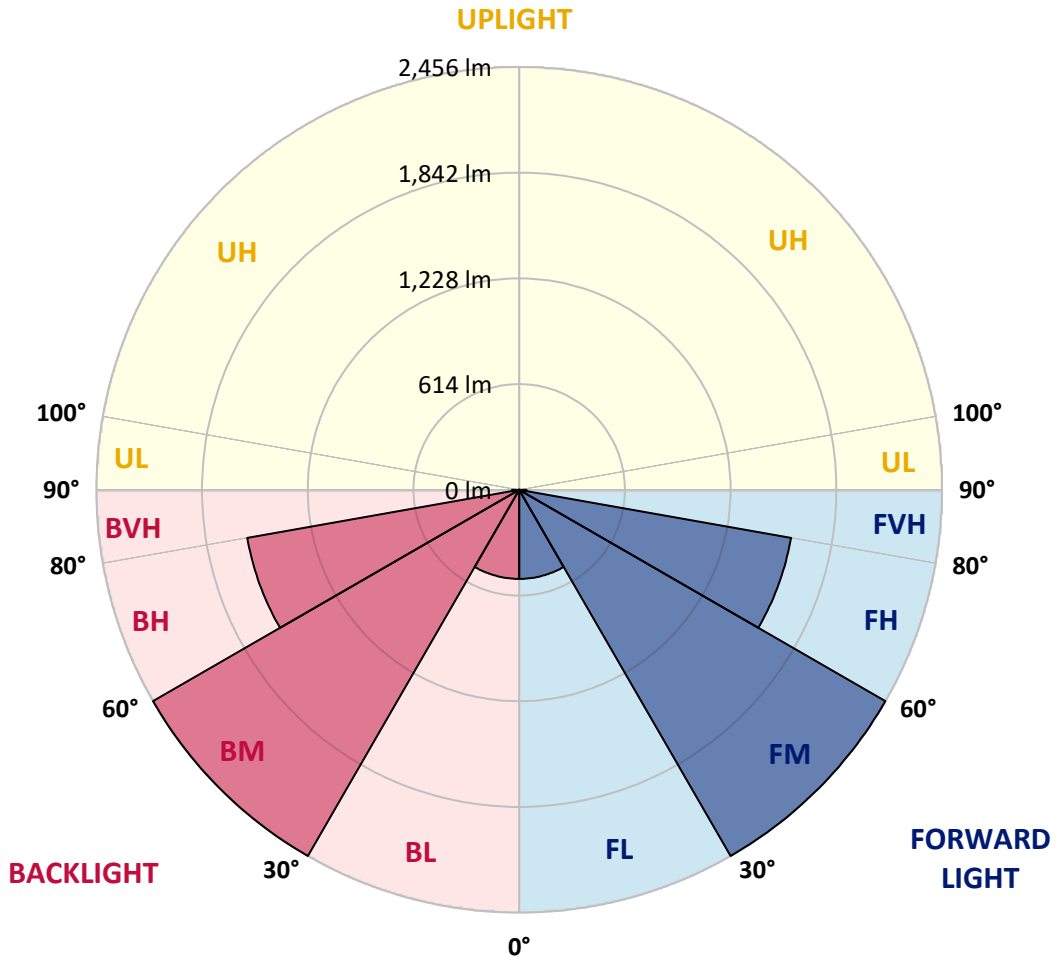
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 517.1 | 5.6 | | | |
| FM | (30°-60°) | 2455.7 | 26.6 | | | |
| FH | (60°-80°) | 1603.6 | 17.4 | | | G1/1800 |
| FVH | (80°-90°) | 41.6 | 0.5 | | | G1/100 |
| BL | (0°-30°) | 517.1 | 5.6 | B2/1000 | | |
| BM | (30°-60°) | 2455.7 | 26.6 | B2/2500 | | |
| BH | (60°-80°) | 1603.6 | 17.4 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 41.6 | 0.5 | | | 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 III Medium



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 989.3 | 989.3 | 989.3 | 989.3 | 989.3 | 989.3 | 989.3 | 989.3 | *989.3* | 989.3 | 989.3 |
| 2.5° | 989.3 | 988.4 | 989.3 | 990.3 | 989.8 | 989.8 | 992.2 | 993.6 | *996.4* | 995.9 | 995.5 |
| 5° | 982.7 | 982.3 | 986.0 | 990.3 | 993.6 | 999.2 | 1006.3 | 1011.5 | *1018.1* | 1019.5 | 1019.5 |
| 7.5° | 979.4 | 978.0 | 984.6 | 992.2 | 1002.5 | 1016.7 | 1030.4 | 1044.5 | *1055.8* | 1059.6 | 1060.5 |
| 10° | 981.8 | 982.3 | 991.2 | 1005.4 | 1021.9 | 1041.7 | 1061.0 | 1085.1 | *1101.1* | 1104.9 | 1108.6 |
| 12.5° | 992.6 | 991.7 | 1006.8 | 1029.4 | 1052.1 | 1077.1 | 1099.7 | 1126.1 | *1143.5* | 1152.5 | 1156.3 |
| 15° | 1012.4 | 1010.6 | 1031.8 | 1065.3 | 1098.3 | 1127.5 | 1145.9 | 1170.9 | *1191.2* | 1202.5 | 1206.7 |
| 17.5° | 1036.0 | 1037.0 | 1064.8 | 1108.2 | 1151.6 | 1184.6 | 1202.0 | 1214.7 | *1230.3* | 1240.2 | 1244.9 |
| 20° | 1077.5 | 1079.4 | 1110.5 | 1161.9 | 1211.4 | 1249.2 | 1263.3 | 1258.6 | *1262.8* | 1270.4 | 1276.1 |
| 22.5° | 1133.2 | 1134.1 | 1169.0 | 1224.7 | 1276.5 | 1318.0 | 1327.5 | 1308.1 | *1296.3* | 1301.5 | 1305.3 |
| 25° | 1197.8 | 1203.9 | 1238.8 | 1295.9 | 1349.1 | 1388.8 | 1393.0 | 1363.8 | *1334.5* | 1335.9 | 1338.3 |
| 27.5° | 1276.5 | 1282.2 | 1317.5 | 1374.1 | 1428.4 | 1462.8 | 1462.3 | 1423.2 | *1380.3* | 1369.4 | 1372.7 |
| 30° | 1361.9 | 1368.0 | 1404.3 | 1462.8 | 1513.2 | 1543.4 | 1536.8 | 1490.1 | *1428.8* | 1408.6 | 1410.9 |
| 32.5° | 1463.3 | 1467.0 | 1503.8 | 1562.3 | 1609.0 | 1633.0 | 1619.4 | 1561.8 | *1485.4* | 1462.3 | 1468.0 |
| 35° | 1585.9 | 1591.5 | 1618.9 | 1674.1 | 1715.1 | 1734.9 | 1711.8 | 1643.9 | *1558.0* | 1532.1 | 1535.9 |
| 37.5° | 1725.9 | 1722.2 | 1753.3 | 1802.3 | 1836.3 | 1848.5 | 1816.9 | 1736.3 | *1641.0* | 1610.4 | 1616.0 |
| 40° | 1872.1 | 1870.2 | 1904.2 | 1951.3 | 1969.7 | 1977.3 | 1930.6 | 1842.4 | *1736.8* | 1703.8 | 1714.6 |
| 42.5° | 2004.6 | 2003.2 | 2048.9 | 2101.3 | 2123.5 | 2115.0 | 2056.0 | 1955.1 | *1847.6* | 1809.9 | 1819.3 |
| 45° | 2110.7 | 2108.8 | 2164.9 | 2238.5 | 2281.9 | 2267.8 | 2188.5 | 2079.6 | *1959.8* | 1920.7 | 1929.6 |
| 47.5° | 2192.3 | 2193.2 | 2253.6 | 2344.6 | 2420.5 | 2425.7 | 2323.9 | 2206.4 | *2083.4* | 2039.0 | 2052.2 |
| 50° | 2251.2 | 2254.1 | 2318.7 | 2419.6 | 2523.3 | 2569.1 | 2462.0 | 2336.6 | *2211.2* | 2161.2 | 2176.3 |
| 52.5° | 2265.9 | 2271.1 | 2348.9 | 2467.2 | 2589.4 | 2676.6 | 2602.6 | 2461.6 | *2332.4* | 2284.7 | 2297.0 |
| 55° | 2188.1 | 2198.4 | 2297.0 | 2463.4 | 2629.9 | 2747.3 | 2726.1 | 2588.4 | *2454.5* | 2405.4 | 2419.1 |
| 57.5° | 2009.3 | 2024.0 | 2139.0 | 2356.4 | 2621.0 | 2795.9 | 2821.8 | 2710.1 | *2576.6* | 2529.5 | 2540.3 |
| 60° | 1758.9 | 1776.4 | 1886.7 | 2123.9 | 2494.6 | 2813.8 | 2889.3 | 2828.4 | *2688.9* | 2643.1 | 2653.0 |
| 62.5° | 1381.2 | 1403.8 | 1535.9 | 1814.1 | 2227.7 | 2730.4 | 2946.8 | 2935.5 | *2789.8* | 2732.7 | 2739.3 |
| 65° | 886.1 | 910.1 | 1049.2 | 1377.9 | 1871.6 | 2474.8 | 2964.7 | 3039.7 | *2896.3* | 2816.7 | 2826.6 |
| 67.5° | 534.3 | 545.1 | 614.0 | 835.1 | 1368.0 | 2089.5 | 2812.9 | 3155.2 | *3020.8* | 2921.8 | 2929.4 |
| 70° | 341.9 | 348.0 | 389.0 | 490.4 | 773.4 | 1524.6 | 2436.6 | 3176.9 | *3171.7* | 3029.8 | 3028.9 |
| 72.5° | *232.0* | *233.9* | *244.7* | *290.5* | *437.6* | *866.3* | *1797.1* | *2876.1* | *3266.1* | *3168.9* | *3153.8* |
| 75° | 169.8 | 180.1 | 197.6 | 205.6 | 248.5 | 432.9 | 1029.9 | 2020.7 | *2752.5* | 2795.0 | 2692.2 |
| 77.5° | 126.4 | 126.9 | 150.9 | 160.3 | 177.3 | 230.6 | 435.7 | 1128.0 | *1708.9* | 1794.3 | 1600.5 |
| 80° | 107.0 | 101.4 | 100.9 | 129.2 | 133.5 | 143.8 | 194.8 | 389.5 | *612.1* | 371.1 | 280.6 |
| 82.5° | 89.1 | 83.0 | 75.0 | 100.9 | 91.0 | 88.2 | 84.4 | 158.4 | *194.8* | 95.7 | 81.6 |
| 85° | 62.2 | 59.4 | 56.6 | 66.0 | 51.9 | 44.3 | 40.6 | 74.0 | *82.1* | 40.6 | 35.8 |
| 87.5° | 26.9 | 27.8 | 28.3 | 29.2 | 21.7 | 15.6 | 15.6 | 20.7 | *20.7* | 16.0 | 11.8 |
| 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)