

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P940120

Luminaire Tested: **GLAN-SB3A-750-U-5WQ**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P940120  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3A-750-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 14403 lumens  
Efficiency: N/A  
Efficacy: 170.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

Input Watts (W): 84.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

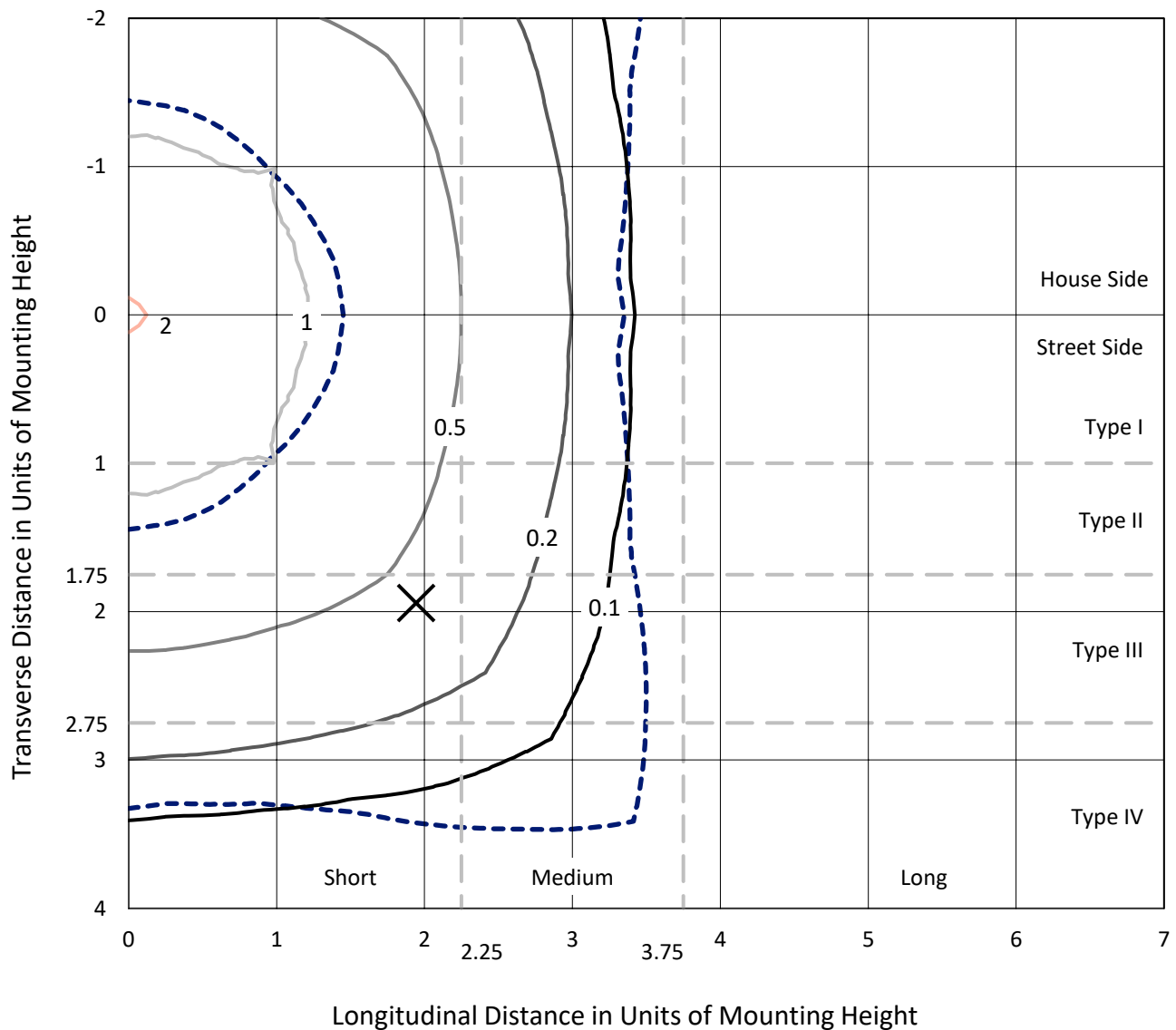


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## Iso-Footcandle Lines of Horizontal Illumination

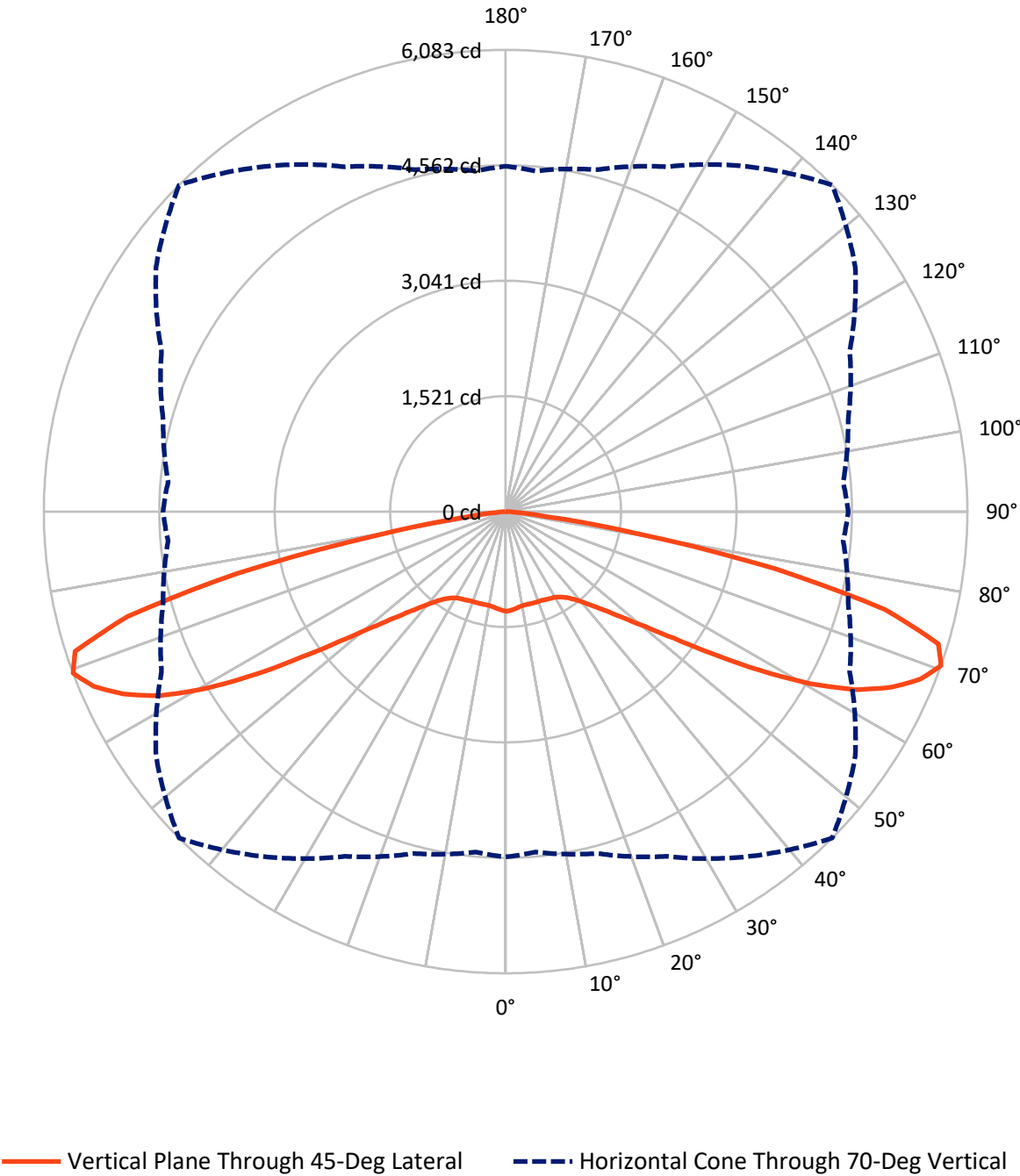
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc  
Type V - Short - N/A

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Luminous Intensity Polar Plot



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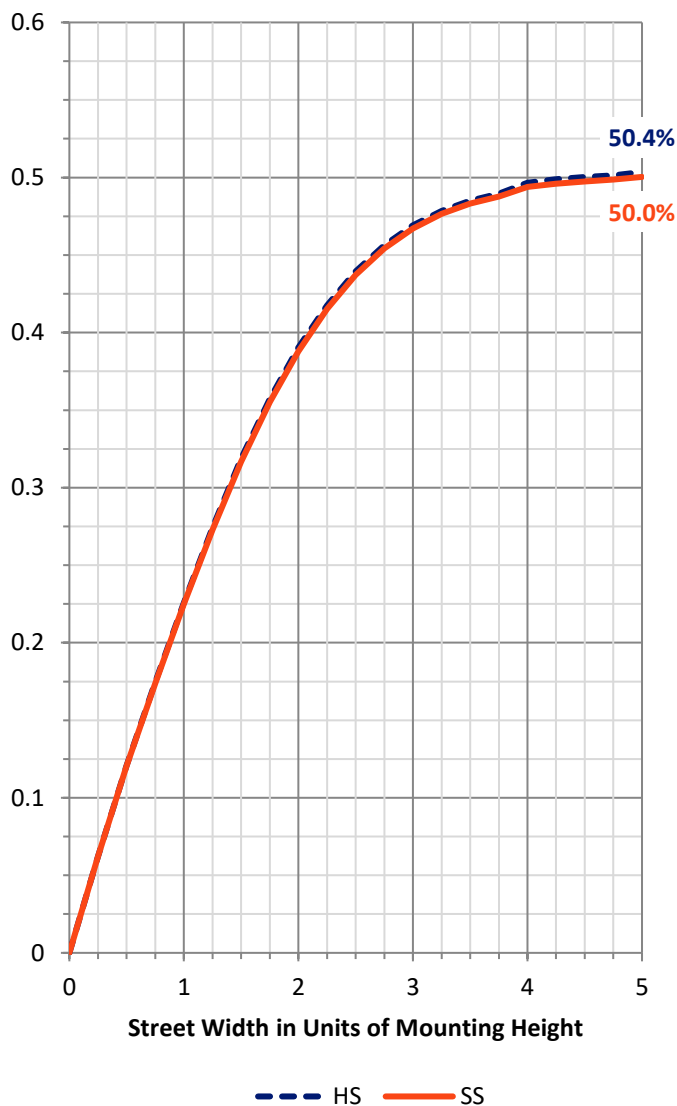
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7201.5   | 0.0    | 7201.5  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 7201.5   | 0.0    | 7201.5  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 14403.0  | 0.0    | 14403.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 122.2   | 0.8       |
| 10°-20°   | 358.9   | 2.5       |
| 20°-30°   | 597.2   | 4.1       |
| 30°-40°   | 903.1   | 6.3       |
| 40°-50°   | 1500.8  | 10.4      |
| 50°-60°   | 2832.0  | 19.7      |
| 60°-70°   | 4781.9  | 33.2      |
| 70°-80°   | 3142.2  | 21.8      |
| 80°-90°   | 164.6   | 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°    | 14403.0 | 100.0     |
| 0°-180°   | 14403.0 | 100.0     |

**Coefficient of Utilization**



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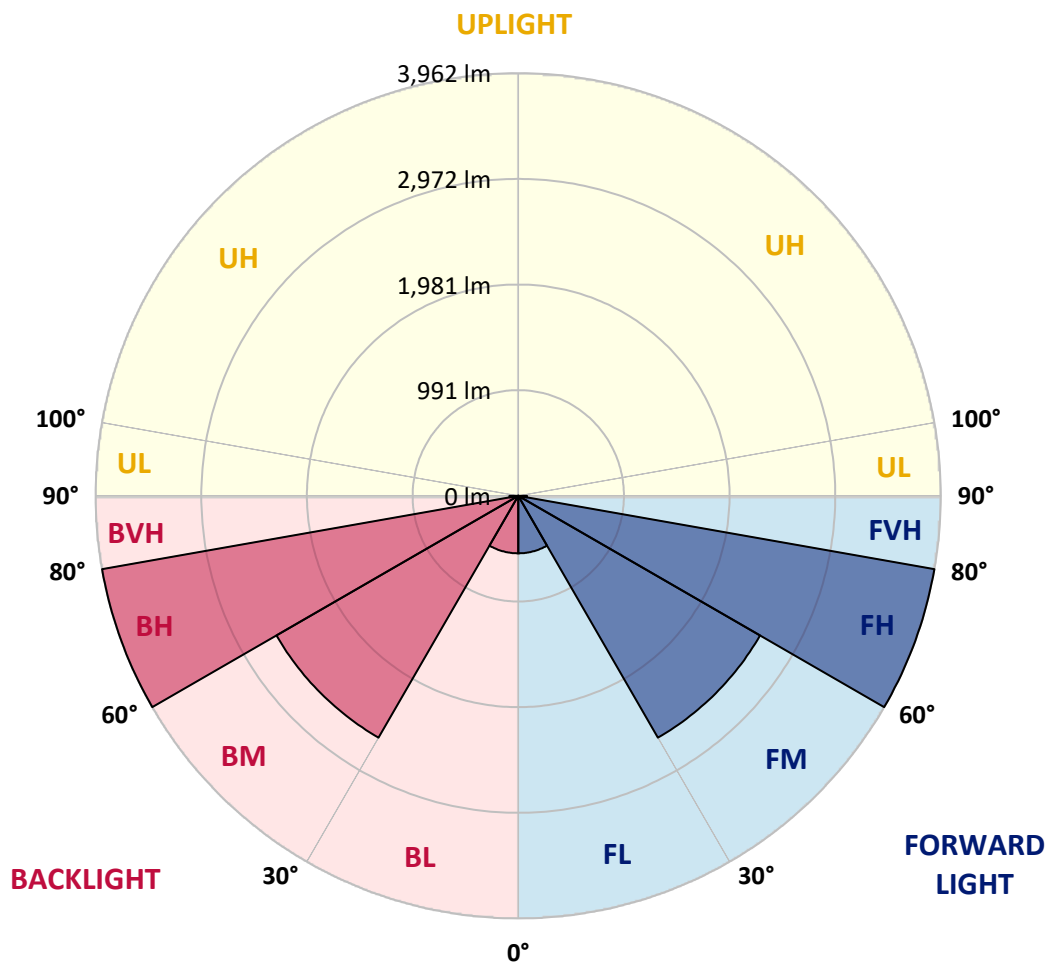
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 539.1  | 3.7       |                         |      |         |
| FM   | (30°-60°)   | 2618.0 | 18.2      |                         |      |         |
| FH   | (60°-80°)   | 3962.1 | 27.5      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 82.3   | 0.6       |                         |      | G1/100  |
| BL   | (0°-30°)    | 539.1  | 3.7       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 2618.0 | 18.2      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 3962.1 | 27.5      | B4/5000                 |      | G2/5000 |
| BVH  | (80°-90°)   | 82.3   | 0.6       |                         |      | 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°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1313.8 | 1313.8 | 1313.8 | 1313.8 | 1313.8 | 1313.8 | 1313.8 | 1313.8 | 1313.8 | 1313.8 |
| 2.5°  | 1305.6 | 1309.4 | 1307.9 | 1304.9 | 1304.9 | 1302.6 | 1304.9 | 1306.4 | 1308.6 | 1310.1 |
| 5°    | 1288.4 | 1291.4 | 1290.6 | 1288.4 | 1289.1 | 1286.9 | 1288.4 | 1290.6 | 1292.1 | 1292.9 |
| 7.5°  | 1273.4 | 1276.4 | 1274.9 | 1271.2 | 1271.2 | 1268.9 | 1269.7 | 1271.9 | 1274.2 | 1274.9 |
| 10°   | 1269.7 | 1272.7 | 1268.2 | 1262.2 | 1259.9 | 1256.9 | 1257.7 | 1259.9 | 1264.4 | 1266.7 |
| 12.5° | 1271.2 | 1273.4 | 1268.9 | 1259.9 | 1257.7 | 1254.7 | 1254.7 | 1256.9 | 1262.9 | 1265.9 |
| 15°   | 1275.7 | 1277.9 | 1271.2 | 1261.4 | 1259.2 | 1256.9 | 1256.2 | 1259.2 | 1265.9 | 1271.2 |
| 17.5° | 1283.9 | 1286.1 | 1275.7 | 1262.2 | 1259.2 | 1259.9 | 1259.2 | 1261.4 | 1271.9 | 1281.7 |
| 20°   | 1291.4 | 1292.9 | 1278.7 | 1262.2 | 1259.2 | 1259.9 | 1259.2 | 1263.7 | 1277.2 | 1290.6 |
| 22.5° | 1293.6 | 1295.1 | 1281.7 | 1267.4 | 1265.2 | 1265.9 | 1265.2 | 1269.7 | 1282.4 | 1295.9 |
| 25°   | 1294.4 | 1296.6 | 1286.1 | 1274.9 | 1278.7 | 1280.2 | 1278.7 | 1279.4 | 1289.1 | 1301.1 |
| 27.5° | 1305.6 | 1308.6 | 1298.9 | 1289.1 | 1291.4 | 1290.6 | 1292.9 | 1295.1 | 1302.6 | 1314.6 |
| 30°   | 1328.8 | 1331.1 | 1322.8 | 1313.1 | 1311.6 | 1306.4 | 1313.1 | 1320.6 | 1328.8 | 1339.3 |
| 32.5° | 1367.0 | 1371.5 | 1361.0 | 1350.5 | 1343.8 | 1340.8 | 1346.0 | 1358.8 | 1370.0 | 1381.2 |
| 35°   | 1430.6 | 1433.6 | 1423.9 | 1404.4 | 1392.4 | 1392.4 | 1396.9 | 1413.4 | 1431.4 | 1445.6 |
| 37.5° | 1520.5 | 1524.2 | 1507.0 | 1483.8 | 1465.8 | 1465.8 | 1471.8 | 1489.0 | 1516.0 | 1536.2 |
| 40°   | 1629.8 | 1635.0 | 1613.3 | 1589.3 | 1572.1 | 1569.1 | 1576.6 | 1596.1 | 1621.5 | 1647.0 |
| 42.5° | 1761.5 | 1767.5 | 1739.1 | 1718.1 | 1704.6 | 1704.6 | 1708.4 | 1726.3 | 1749.5 | 1781.0 |
| 45°   | 1930.0 | 1940.4 | 1901.5 | 1880.6 | 1867.8 | 1870.8 | 1873.1 | 1888.8 | 1909.8 | 1945.7 |
| 47.5° | 2130.6 | 2141.1 | 2099.9 | 2078.2 | 2075.9 | 2090.2 | 2081.2 | 2092.4 | 2103.6 | 2144.8 |
| 50°   | 2358.2 | 2376.1 | 2347.7 | 2346.2 | 2350.7 | 2376.9 | 2355.9 | 2361.9 | 2349.2 | 2375.4 |
| 52.5° | 2636.7 | 2662.9 | 2657.6 | 2666.6 | 2716.8 | 2770.7 | 2722.8 | 2701.8 | 2653.9 | 2662.1 |
| 55°   | 2974.3 | 3014.0 | 3021.5 | 3075.4 | 3189.2 | 3299.2 | 3197.4 | 3112.8 | 3011.0 | 2992.3 |
| 57.5° | 3358.3 | 3389.8 | 3425.7 | 3535.8 | 3748.4 | 3943.8 | 3748.4 | 3561.2 | 3401.0 | 3362.8 |
| 60°   | 3771.6 | 3810.5 | 3845.0 | 4007.4 | 4323.3 | 4598.1 | 4317.3 | 4020.1 | 3808.3 | 3756.6 |
| 62.5° | 4215.5 | 4265.7 | 4289.6 | 4470.1 | 4838.4 | 5166.3 | 4843.6 | 4483.5 | 4248.5 | 4193.1 |
| 65°   | 4641.5 | 4682.7 | 4709.6 | 4902.0 | 5253.9 | 5582.5 | 5277.8 | 4923.0 | 4681.2 | 4608.6 |
| 67.5° | 4839.9 | 4862.3 | 4928.2 | 5146.1 | 5517.4 | 5892.5 | 5580.3 | 5169.3 | 4899.0 | 4771.8 |
| 70°   | 4549.4 | 4503.8 | 4662.5 | 5011.3 | 5548.8 | 6082.6 | 5620.7 | 5000.8 | 4669.9 | 4463.3 |
| 72.5° | 3515.6 | 3437.0 | 3712.5 | 4309.1 | 5189.5 | 5961.3 | 5225.4 | 4342.8 | 3883.9 | 3464.7 |
| 75°   | 1912.7 | 1823.7 | 2204.0 | 2958.6 | 4138.4 | 5167.0 | 4233.5 | 3043.2 | 2454.0 | 1898.5 |
| 77.5° | 539.8  | 506.1  | 813.0  | 1431.4 | 2489.2 | 3627.9 | 2585.0 | 1462.8 | 964.2  | 572.0  |
| 80°   | 165.4  | 160.2  | 217.1  | 431.2  | 1057.1 | 1737.6 | 1015.9 | 436.5  | 276.2  | 174.4  |
| 82.5° | 98.1   | 89.8   | 107.8  | 157.2  | 269.5  | 545.8  | 262.0  | 163.9  | 131.8  | 88.3   |
| 85°   | 56.1   | 52.4   | 63.6   | 76.4   | 90.6   | 116.0  | 75.6   | 77.9   | 70.4   | 47.2   |
| 87.5° | 23.2   | 21.0   | 24.7   | 24.0   | 21.0   | 27.0   | 20.2   | 24.0   | 28.4   | 18.7   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END C

| 90°    |
|--------|
| 1313.8 |
| 1309.4 |
| 1292.9 |
| 1274.9 |
| 1266.7 |
| 1266.7 |
| 1271.9 |
| 1281.7 |
| 1291.4 |
| 1295.9 |
| 1300.4 |
| 1311.6 |
| 1337.1 |
| 1376.7 |
| 1440.4 |
| 1528.7 |
| 1638.7 |
| 1778.7 |
| 1944.2 |
| 2132.8 |
| 2359.7 |
| 2634.4 |
| 2963.1 |
| 3335.9 |
| 3711.7 |
| 4148.2 |
| 4572.6 |
| 4773.3 |
| 4512.7 |
| 3568.7 |
| 2022.0 |
| 635.6  |
| 184.2  |
| 95.8   |
| 49.4   |
| 17.2   |
| 0.0    |