

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: P949370

Luminaire Tested: **GLAN-SB4A-927-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P949370  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4A-927-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11269 lumens  
Efficiency: N/A  
Efficacy: 98.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G3

Input Watts (W): 114  
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

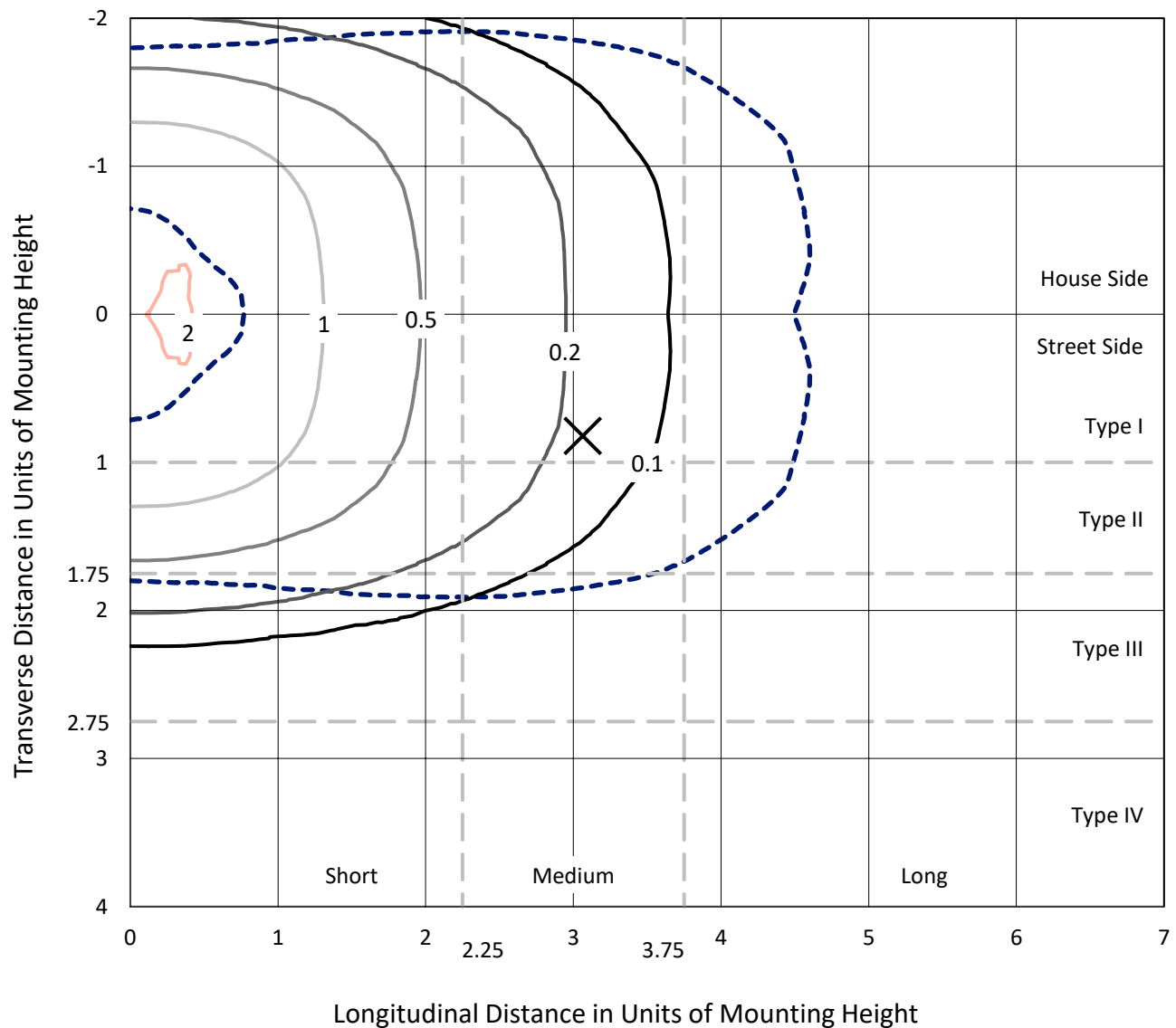


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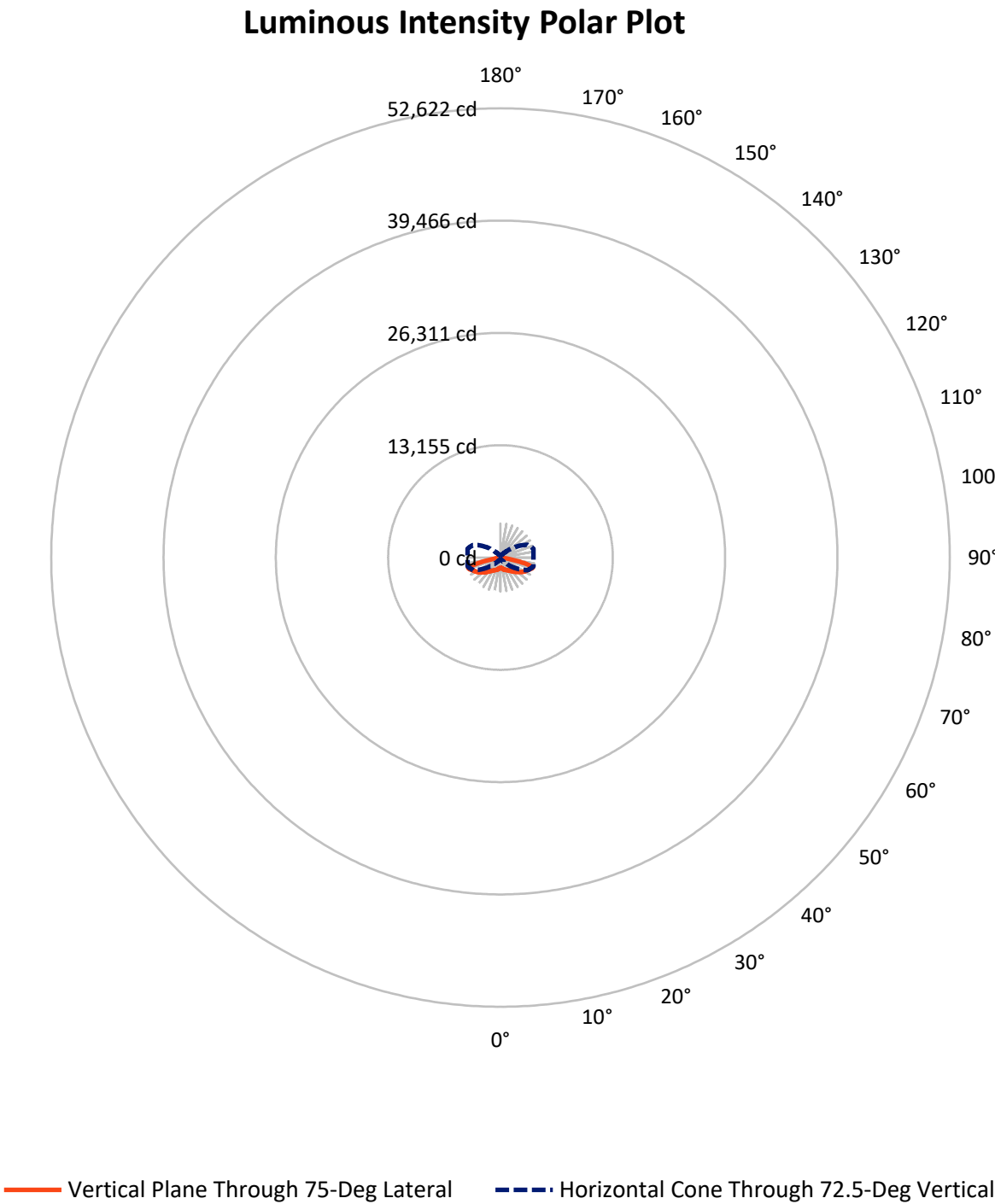
## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd



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

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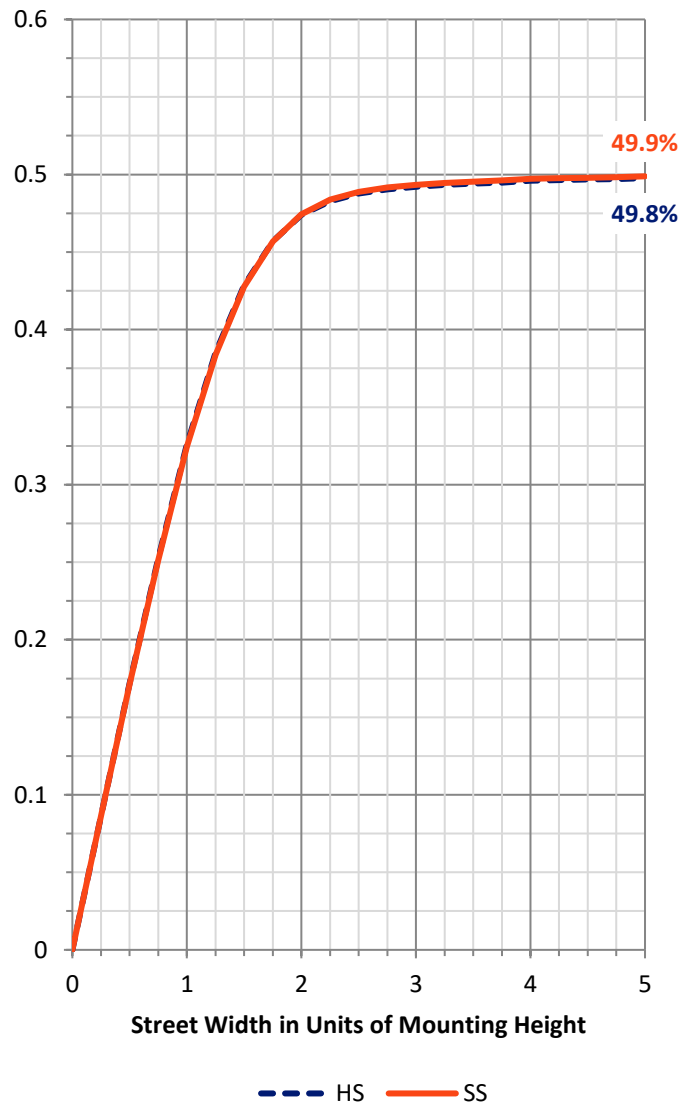
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5634.5   | 0.0    | 5634.5  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 5634.5   | 0.0    | 5634.5  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 11269.0  | 0.0    | 11269.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 118.2   | 1.0       |
| 10°-20°   | 390.0   | 3.5       |
| 20°-30°   | 753.6   | 6.7       |
| 30°-40°   | 1272.5  | 11.3      |
| 40°-50°   | 2018.0  | 17.9      |
| 50°-60°   | 2701.9  | 24.0      |
| 60°-70°   | 2571.4  | 22.8      |
| 70°-80°   | 1341.8  | 11.9      |
| 80°-90°   | 101.6   | 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°    | 11269.0 | 100.0     |
| 0°-180°   | 11269.0 | 100.0     |

**Coefficient of Utilization**



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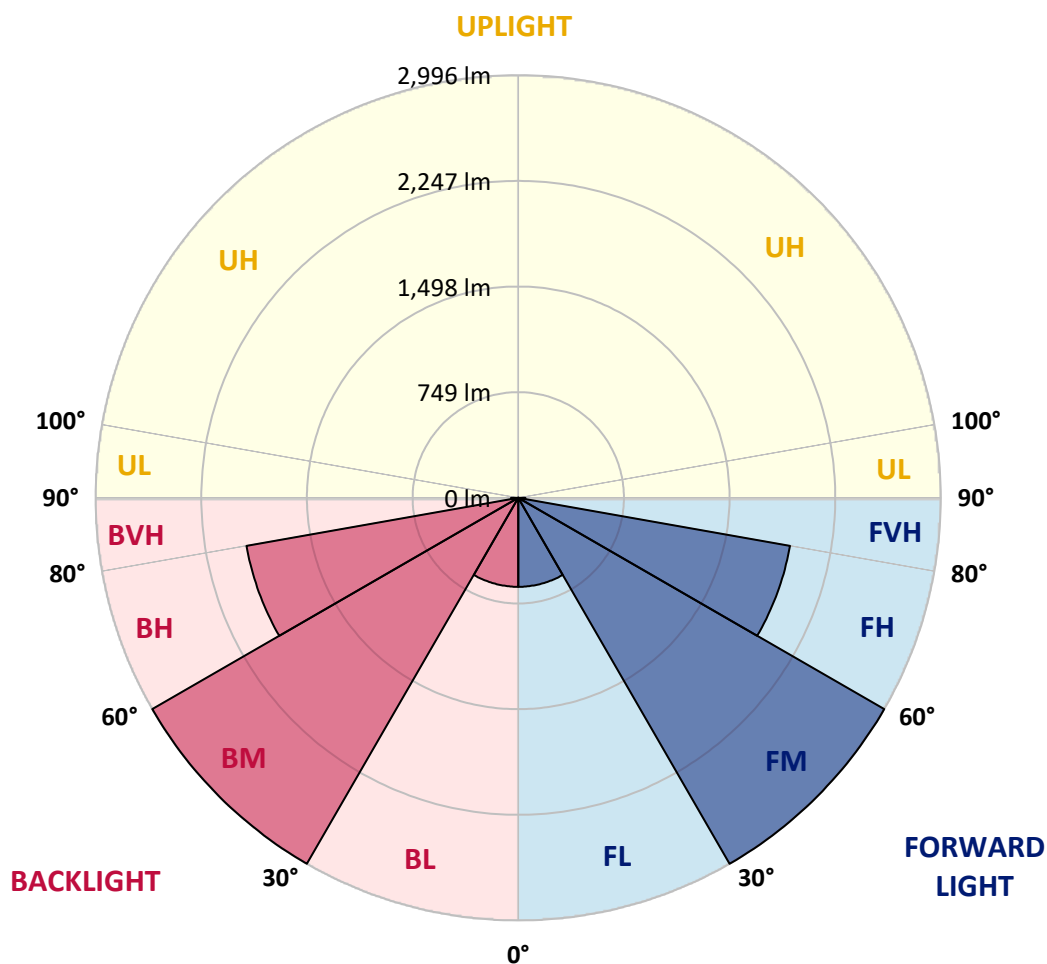
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 630.9  | 5.6       |                         |      |         |
| FM   | (30°-60°)   | 2996.2 | 26.6      |                         |      |         |
| FH   | (60°-80°)   | 1956.6 | 17.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 50.8   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 630.9  | 5.6       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 2996.2 | 26.6      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1956.6 | 17.4      | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 50.8   | 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°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1207.1 | 1207.1 | 1207.1 | 1207.1 | 1207.1 | 1207.1 | 1207.1 | 1207.1 | 1207.1 | 1207.1 |
| 2.5°  | 1207.1 | 1206.0 | 1207.1 | 1208.3 | 1207.7 | 1207.7 | 1210.6 | 1212.3 | 1215.7 | 1215.2 |
| 5°    | 1199.1 | 1198.5 | 1203.1 | 1208.3 | 1212.3 | 1219.2 | 1227.8 | 1234.2 | 1242.2 | 1243.9 |
| 7.5°  | 1195.0 | 1193.3 | 1201.4 | 1210.6 | 1223.2 | 1240.5 | 1257.2 | 1274.4 | 1288.2 | 1292.8 |
| 10°   | 1197.9 | 1198.5 | 1209.4 | 1226.7 | 1246.8 | 1271.0 | 1294.6 | 1323.9 | 1343.5 | 1348.1 |
| 12.5° | 1211.1 | 1210.0 | 1228.4 | 1256.0 | 1283.6 | 1314.1 | 1341.7 | 1374.0 | 1395.3 | 1406.2 |
| 15°   | 1235.3 | 1233.0 | 1258.9 | 1299.7 | 1340.0 | 1375.7 | 1398.1 | 1428.6 | 1453.4 | 1467.2 |
| 17.5° | 1264.1 | 1265.2 | 1299.2 | 1352.1 | 1405.0 | 1445.3 | 1466.6 | 1482.1 | 1501.1 | 1513.2 |
| 20°   | 1314.7 | 1317.0 | 1355.0 | 1417.7 | 1478.1 | 1524.1 | 1541.4 | 1535.6 | 1540.8 | 1550.0 |
| 22.5° | 1382.6 | 1383.7 | 1426.3 | 1494.2 | 1557.5 | 1608.1 | 1619.6 | 1596.1 | 1581.7 | 1588.0 |
| 25°   | 1461.4 | 1468.9 | 1511.5 | 1581.1 | 1646.1 | 1694.4 | 1699.6 | 1663.9 | 1628.3 | 1630.0 |
| 27.5° | 1557.5 | 1564.4 | 1607.6 | 1676.6 | 1742.8 | 1784.8 | 1784.2 | 1736.4 | 1684.1 | 1670.9 |
| 30°   | 1661.6 | 1669.1 | 1713.4 | 1784.8 | 1846.3 | 1883.2 | 1875.1 | 1818.1 | 1743.3 | 1718.6 |
| 32.5° | 1785.4 | 1790.0 | 1834.8 | 1906.2 | 1963.1 | 1992.5 | 1975.8 | 1905.6 | 1812.4 | 1784.2 |
| 35°   | 1934.9 | 1941.9 | 1975.2 | 2042.5 | 2092.6 | 2116.8 | 2088.6 | 2005.7 | 1901.0 | 1869.4 |
| 37.5° | 2105.8 | 2101.2 | 2139.2 | 2199.0 | 2240.5 | 2255.4 | 2216.9 | 2118.5 | 2002.3 | 1964.9 |
| 40°   | 2284.2 | 2281.9 | 2323.3 | 2380.9 | 2403.3 | 2412.5 | 2355.5 | 2247.9 | 2119.1 | 2078.8 |
| 42.5° | 2445.9 | 2444.1 | 2500.0 | 2563.8 | 2590.9 | 2580.5 | 2508.6 | 2385.5 | 2254.3 | 2208.2 |
| 45°   | 2575.3 | 2573.0 | 2641.5 | 2731.2 | 2784.2 | 2766.9 | 2670.3 | 2537.4 | 2391.2 | 2343.5 |
| 47.5° | 2674.9 | 2676.0 | 2749.7 | 2860.7 | 2953.3 | 2959.7 | 2835.4 | 2692.1 | 2542.0 | 2487.9 |
| 50°   | 2746.8 | 2750.2 | 2829.1 | 2952.2 | 3078.8 | 3134.6 | 3004.0 | 2850.9 | 2697.9 | 2636.9 |
| 52.5° | 2764.6 | 2770.9 | 2865.9 | 3010.3 | 3159.3 | 3265.8 | 3175.4 | 3003.4 | 2845.7 | 2787.6 |
| 55°   | 2669.7 | 2682.3 | 2802.6 | 3005.7 | 3208.8 | 3352.1 | 3326.2 | 3158.2 | 2994.8 | 2934.9 |
| 57.5° | 2451.6 | 2469.5 | 2609.8 | 2875.1 | 3197.9 | 3411.3 | 3443.0 | 3306.6 | 3143.8 | 3086.2 |
| 60°   | 2146.1 | 2167.4 | 2302.0 | 2591.4 | 3043.7 | 3433.2 | 3525.2 | 3451.0 | 3280.7 | 3224.9 |
| 62.5° | 1685.2 | 1712.9 | 1874.0 | 2213.4 | 2718.0 | 3331.4 | 3595.4 | 3581.6 | 3403.8 | 3334.2 |
| 65°   | 1081.1 | 1110.5 | 1280.2 | 1681.2 | 2283.6 | 3019.5 | 3617.3 | 3708.8 | 3533.9 | 3436.6 |
| 67.5° | 651.9  | 665.1  | 749.1  | 1019.0 | 1669.1 | 2549.4 | 3432.0 | 3849.8 | 3685.8 | 3564.9 |
| 70°   | 417.1  | 424.6  | 474.7  | 598.4  | 943.6  | 1860.1 | 2972.9 | 3876.2 | 3869.9 | 3696.7 |
| 72.5° | 283.1  | 285.4  | 298.6  | 354.4  | 533.9  | 1056.9 | 2192.7 | 3509.1 | 3985.0 | 3866.4 |
| 75°   | 207.1  | 219.8  | 241.1  | 250.9  | 303.2  | 528.2  | 1256.6 | 2465.4 | 3358.4 | 3410.2 |
| 77.5° | 154.2  | 154.8  | 184.1  | 195.6  | 216.3  | 281.4  | 531.6  | 1376.3 | 2085.1 | 2189.3 |
| 80°   | 130.6  | 123.7  | 123.1  | 157.6  | 162.8  | 175.5  | 237.6  | 475.2  | 746.8  | 452.8  |
| 82.5° | 108.7  | 101.3  | 91.5   | 123.1  | 111.0  | 107.6  | 103.0  | 193.3  | 237.6  | 116.8  |
| 85°   | 75.9   | 72.5   | 69.0   | 80.6   | 63.3   | 54.1   | 49.5   | 90.3   | 100.1  | 49.5   |
| 87.5° | 32.8   | 33.9   | 34.5   | 35.7   | 26.5   | 19.0   | 19.0   | 25.3   | 25.3   | 19.6   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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| 90°    |
|--------|
| 1207.1 |
| 1214.6 |
| 1243.9 |
| 1294.0 |
| 1352.7 |
| 1410.8 |
| 1472.4 |
| 1519.0 |
| 1556.9 |
| 1592.6 |
| 1632.9 |
| 1674.9 |
| 1721.5 |
| 1791.1 |
| 1874.0 |
| 1971.8 |
| 2092.0 |
| 2219.8 |
| 2354.4 |
| 2504.0 |
| 2655.3 |
| 2802.6 |
| 2951.6 |
| 3099.5 |
| 3237.0 |
| 3342.3 |
| 3448.7 |
| 3574.2 |
| 3695.6 |
| 3848.0 |
| 3284.7 |
| 1952.8 |
| 342.3  |
| 99.5   |
| 43.7   |
| 14.4   |
| 0.0    |