

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: P946661

Luminaire Tested: **GLAN-SB2B-730-U-RW**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P946661  
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-SB2B-730-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 11596 lumens  
Efficiency: N/A  
Efficacy: 156.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 73.9  
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

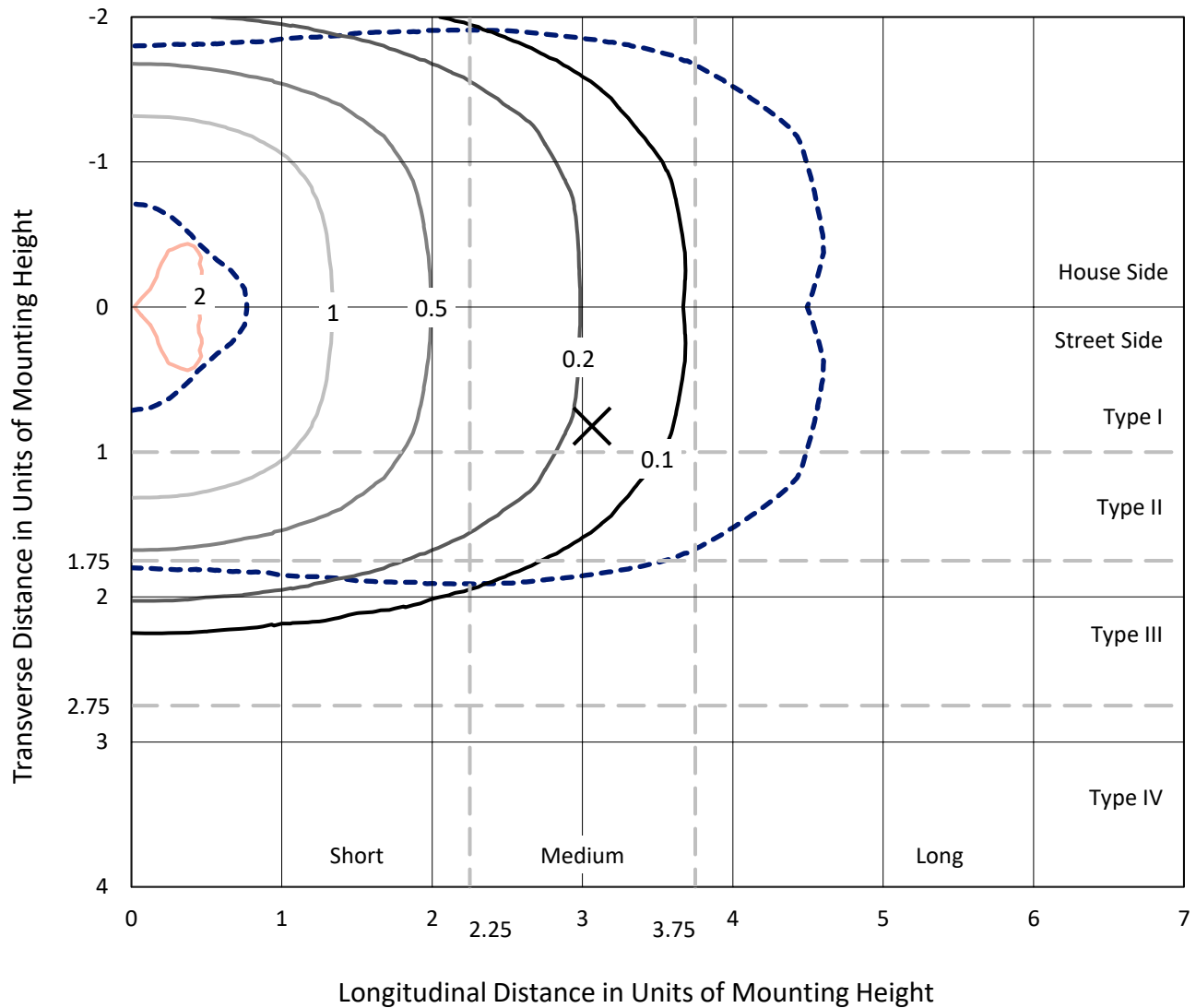


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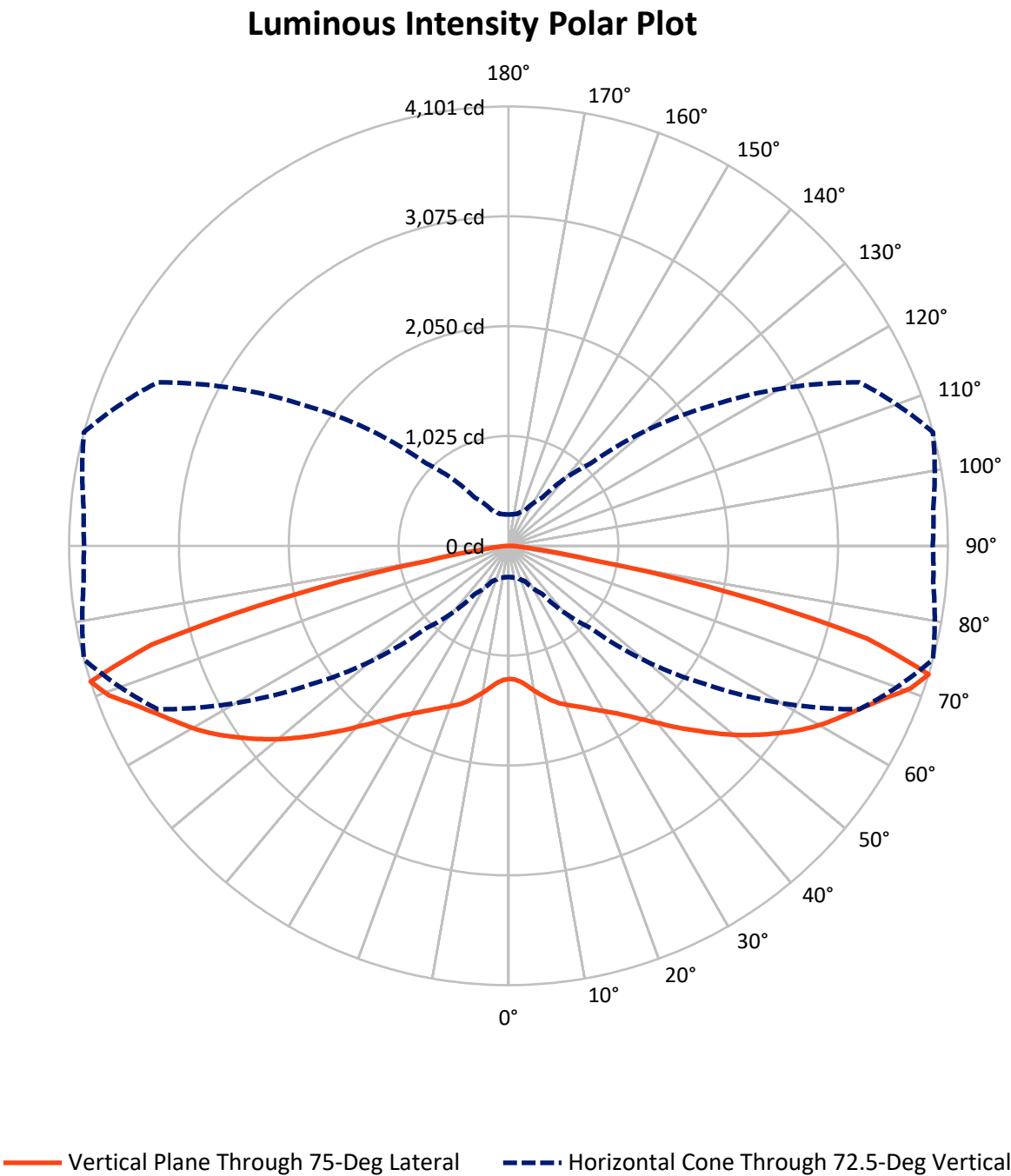
## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc  
Type III - Medium - N/A

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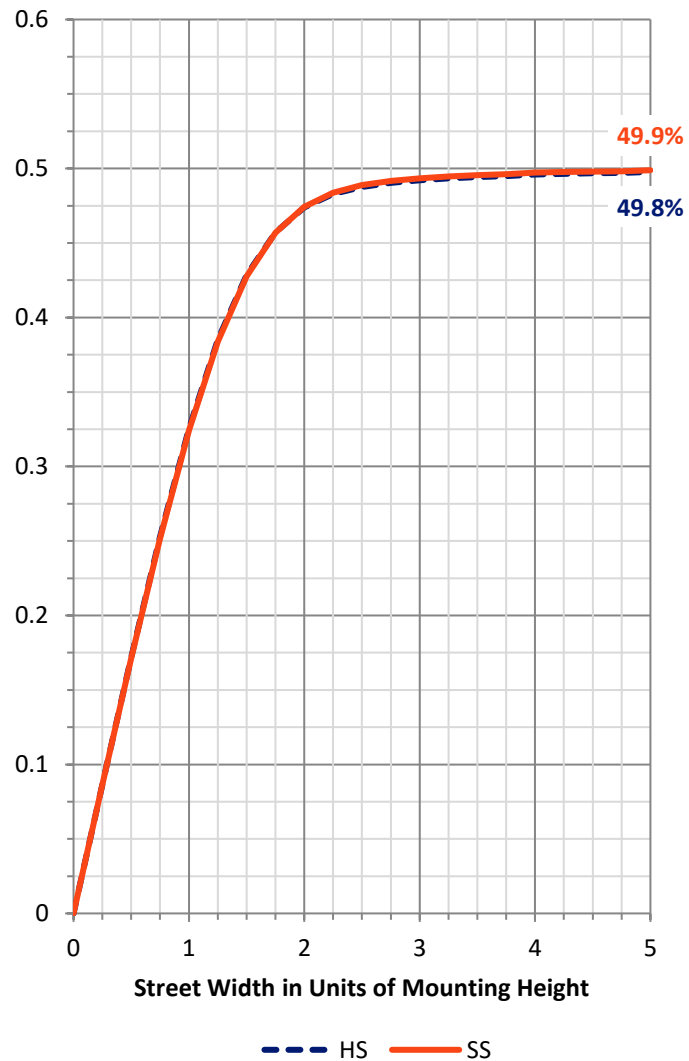
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5798.0   | 0.0    | 5798.0  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 5798.0   | 0.0    | 5798.0  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 11596.0  | 0.0    | 11596.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 121.7   | 1.0       |
| 10°-20°   | 401.3   | 3.5       |
| 20°-30°   | 775.5   | 6.7       |
| 30°-40°   | 1309.4  | 11.3      |
| 40°-50°   | 2076.6  | 17.9      |
| 50°-60°   | 2780.3  | 24.0      |
| 60°-70°   | 2646.0  | 22.8      |
| 70°-80°   | 1380.7  | 11.9      |
| 80°-90°   | 104.5   | 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°    | 11596.0 | 100.0     |
| 0°-180°   | 11596.0 | 100.0     |

**Coefficient of Utilization**



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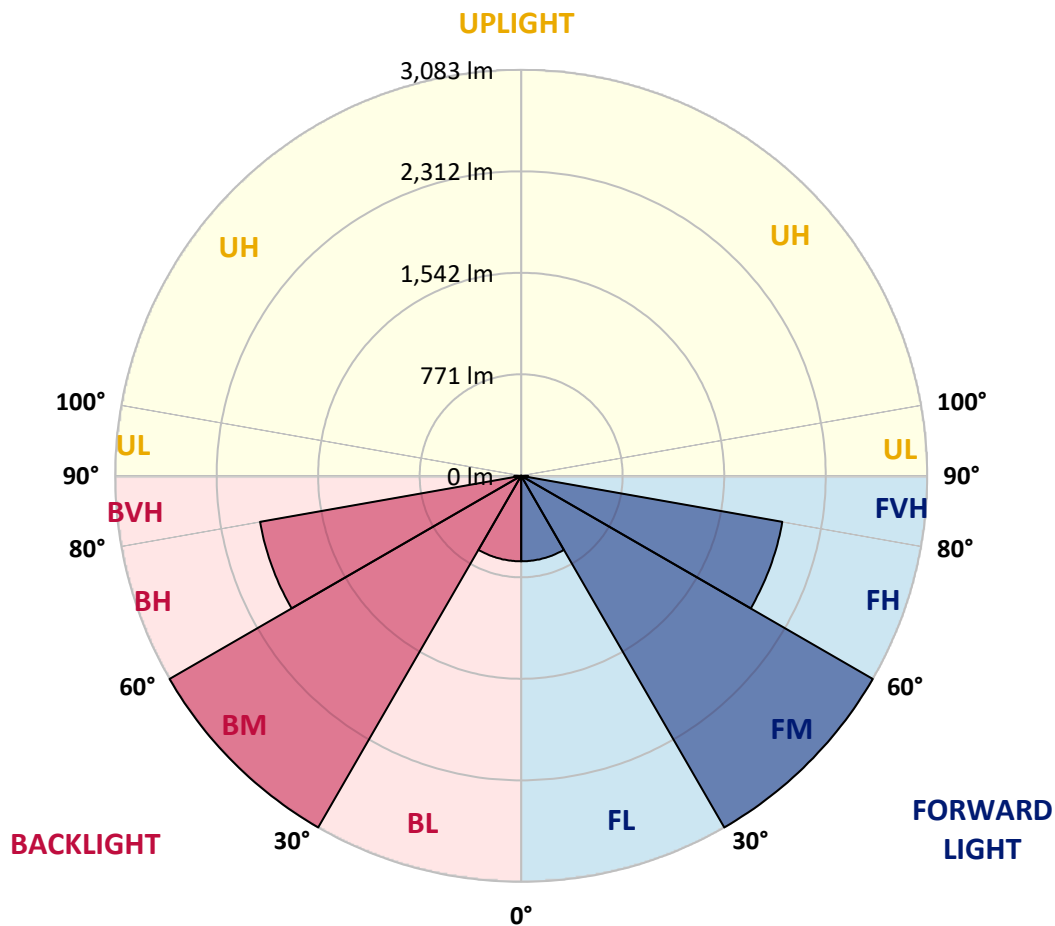
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 649.2  | 5.6       |                         |      |         |
| FM   | (30°-60°)   | 3083.2 | 26.6      |                         |      |         |
| FH   | (60°-80°)   | 2013.3 | 17.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 52.3   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 649.2  | 5.6       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 3083.2 | 26.6      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 2013.3 | 17.4      | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 52.3   | 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°    | 1242.1 | 1242.1 | 1242.1 | 1242.1 | 1242.1 | 1242.1 | 1242.1 | 1242.1 | 1242.1 | 1242.1 |
| 2.5°  | 1242.1 | 1241.0 | 1242.1 | 1243.3 | 1242.7 | 1242.7 | 1245.7 | 1247.5 | 1251.0 | 1250.4 |
| 5°    | 1233.9 | 1233.3 | 1238.0 | 1243.3 | 1247.5 | 1254.6 | 1263.5 | 1270.0 | 1278.3 | 1280.0 |
| 7.5°  | 1229.7 | 1227.9 | 1236.2 | 1245.7 | 1258.7 | 1276.5 | 1293.6 | 1311.4 | 1325.6 | 1330.4 |
| 10°   | 1232.7 | 1233.3 | 1244.5 | 1262.3 | 1283.0 | 1307.9 | 1332.1 | 1362.3 | 1382.5 | 1387.2 |
| 12.5° | 1246.3 | 1245.1 | 1264.0 | 1292.5 | 1320.9 | 1352.3 | 1380.7 | 1413.8 | 1435.7 | 1447.0 |
| 15°   | 1271.2 | 1268.8 | 1295.4 | 1337.5 | 1378.9 | 1415.6 | 1438.7 | 1470.1 | 1495.5 | 1509.7 |
| 17.5° | 1300.8 | 1301.9 | 1336.9 | 1391.3 | 1445.8 | 1487.3 | 1509.2 | 1525.1 | 1544.7 | 1557.1 |
| 20°   | 1352.9 | 1355.2 | 1394.3 | 1458.8 | 1521.0 | 1568.4 | 1586.1 | 1580.2 | 1585.5 | 1595.0 |
| 22.5° | 1422.7 | 1423.9 | 1467.7 | 1537.6 | 1602.7 | 1654.8 | 1666.6 | 1642.4 | 1627.6 | 1634.1 |
| 25°   | 1503.8 | 1511.5 | 1555.3 | 1627.0 | 1693.9 | 1743.6 | 1748.9 | 1712.2 | 1675.5 | 1677.3 |
| 27.5° | 1602.7 | 1609.8 | 1654.2 | 1725.3 | 1793.3 | 1836.6 | 1836.0 | 1786.8 | 1733.0 | 1719.3 |
| 30°   | 1709.9 | 1717.6 | 1763.2 | 1836.6 | 1899.9 | 1937.8 | 1929.5 | 1870.9 | 1793.9 | 1768.5 |
| 32.5° | 1837.2 | 1841.9 | 1888.1 | 1961.5 | 2020.1 | 2050.3 | 2033.1 | 1960.9 | 1865.0 | 1836.0 |
| 35°   | 1991.1 | 1998.2 | 2032.5 | 2101.8 | 2153.3 | 2178.2 | 2149.2 | 2063.9 | 1956.2 | 1923.6 |
| 37.5° | 2166.9 | 2162.2 | 2201.3 | 2262.8 | 2305.5 | 2320.9 | 2281.2 | 2180.0 | 2060.4 | 2021.9 |
| 40°   | 2350.5 | 2348.1 | 2390.7 | 2449.9 | 2473.0 | 2482.5 | 2423.9 | 2313.2 | 2180.6 | 2139.1 |
| 42.5° | 2516.8 | 2515.1 | 2572.5 | 2638.2 | 2666.0 | 2655.4 | 2581.4 | 2454.7 | 2319.7 | 2272.3 |
| 45°   | 2650.1 | 2647.7 | 2718.1 | 2810.5 | 2865.0 | 2847.2 | 2747.7 | 2611.0 | 2460.6 | 2411.5 |
| 47.5° | 2752.5 | 2753.7 | 2829.4 | 2943.7 | 3039.0 | 3045.6 | 2917.7 | 2770.2 | 2615.7 | 2560.1 |
| 50°   | 2826.5 | 2830.0 | 2911.2 | 3037.9 | 3168.1 | 3225.5 | 3091.1 | 2933.7 | 2776.2 | 2713.4 |
| 52.5° | 2844.8 | 2851.4 | 2949.0 | 3097.7 | 3251.0 | 3360.5 | 3267.6 | 3090.5 | 2928.3 | 2868.5 |
| 55°   | 2747.2 | 2760.2 | 2883.9 | 3092.9 | 3301.9 | 3449.3 | 3422.7 | 3249.8 | 3081.7 | 3020.1 |
| 57.5° | 2522.8 | 2541.1 | 2685.6 | 2958.5 | 3290.7 | 3510.3 | 3542.9 | 3402.6 | 3235.0 | 3175.8 |
| 60°   | 2208.4 | 2230.3 | 2368.8 | 2666.6 | 3132.0 | 3532.8 | 3627.5 | 3551.2 | 3375.9 | 3318.5 |
| 62.5° | 1734.1 | 1762.6 | 1928.3 | 2277.6 | 2796.9 | 3428.0 | 3699.8 | 3685.6 | 3502.6 | 3431.0 |
| 65°   | 1112.5 | 1142.7 | 1317.3 | 1730.0 | 2349.9 | 3107.1 | 3722.3 | 3816.4 | 3636.4 | 3536.4 |
| 67.5° | 670.8  | 684.4  | 770.9  | 1048.5 | 1717.6 | 2623.4 | 3531.6 | 3961.5 | 3792.7 | 3668.4 |
| 70°   | 429.2  | 436.9  | 488.4  | 615.7  | 971.0  | 1914.1 | 3059.2 | 3988.7 | 3982.2 | 3804.0 |
| 72.5° | 291.3  | 293.7  | 307.3  | 364.7  | 549.4  | 1087.6 | 2256.3 | 3611.0 | 4100.6 | 3978.6 |
| 75°   | 213.1  | 226.2  | 248.1  | 258.1  | 312.0  | 543.5  | 1293.1 | 2537.0 | 3455.8 | 3509.1 |
| 77.5° | 158.7  | 159.3  | 189.5  | 201.3  | 222.6  | 289.5  | 547.1  | 1416.2 | 2145.6 | 2252.8 |
| 80°   | 134.4  | 127.3  | 126.7  | 162.2  | 167.6  | 180.6  | 244.5  | 489.0  | 768.5  | 466.0  |
| 82.5° | 111.9  | 104.2  | 94.1   | 126.7  | 114.3  | 110.7  | 106.0  | 198.9  | 244.5  | 120.2  |
| 85°   | 78.2   | 74.6   | 71.0   | 82.9   | 65.1   | 55.7   | 50.9   | 93.0   | 103.0  | 50.9   |
| 87.5° | 33.7   | 34.9   | 35.5   | 36.7   | 27.2   | 19.5   | 19.5   | 26.1   | 26.1   | 20.1   |
| 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°    |
|--------|
| 1242.1 |
| 1249.8 |
| 1280.0 |
| 1331.5 |
| 1391.9 |
| 1451.7 |
| 1515.1 |
| 1563.0 |
| 1602.1 |
| 1638.8 |
| 1680.3 |
| 1723.5 |
| 1771.4 |
| 1843.1 |
| 1928.3 |
| 2029.0 |
| 2152.7 |
| 2284.2 |
| 2422.7 |
| 2576.6 |
| 2732.4 |
| 2883.9 |
| 3037.3 |
| 3189.4 |
| 3330.9 |
| 3439.3 |
| 3548.8 |
| 3677.9 |
| 3802.8 |
| 3959.7 |
| 3380.1 |
| 2009.4 |
| 352.3  |
| 102.4  |
| 45.0   |
| 14.8   |
| 0.0    |

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