

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: P945947

Luminaire Tested: **GLAN-SB1D-730-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P945947  
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-SB1D-730-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 3000K, 900mA LIGHTSQUARE WITH 26 LEDS AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

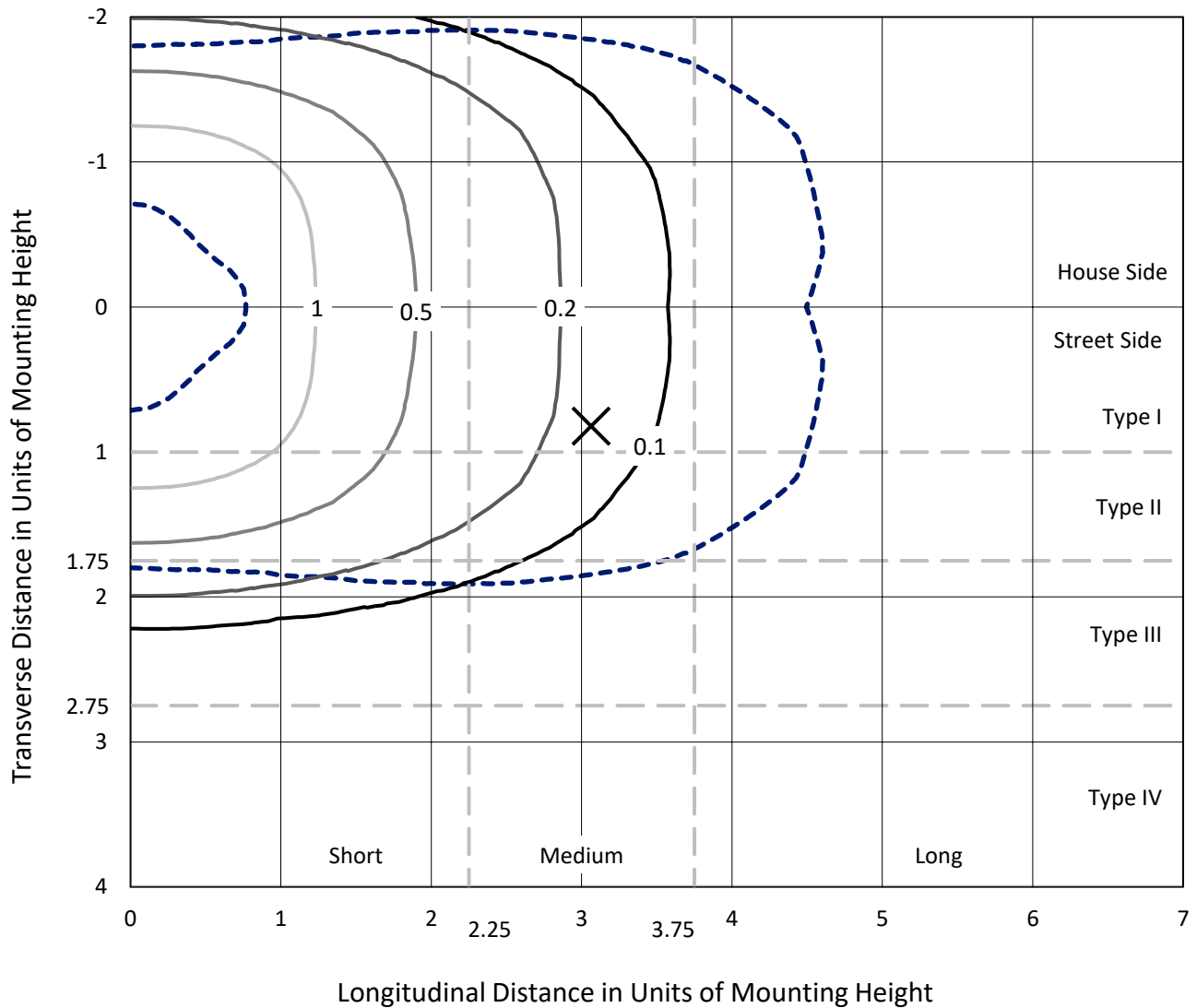
Lumens per Lamp: N/A  
Luminaire Lumens: 10482 lumens  
Efficiency: N/A  
Efficacy: 131.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 79.6  
Input Voltage (V): NR  
Input Current (Ain): 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

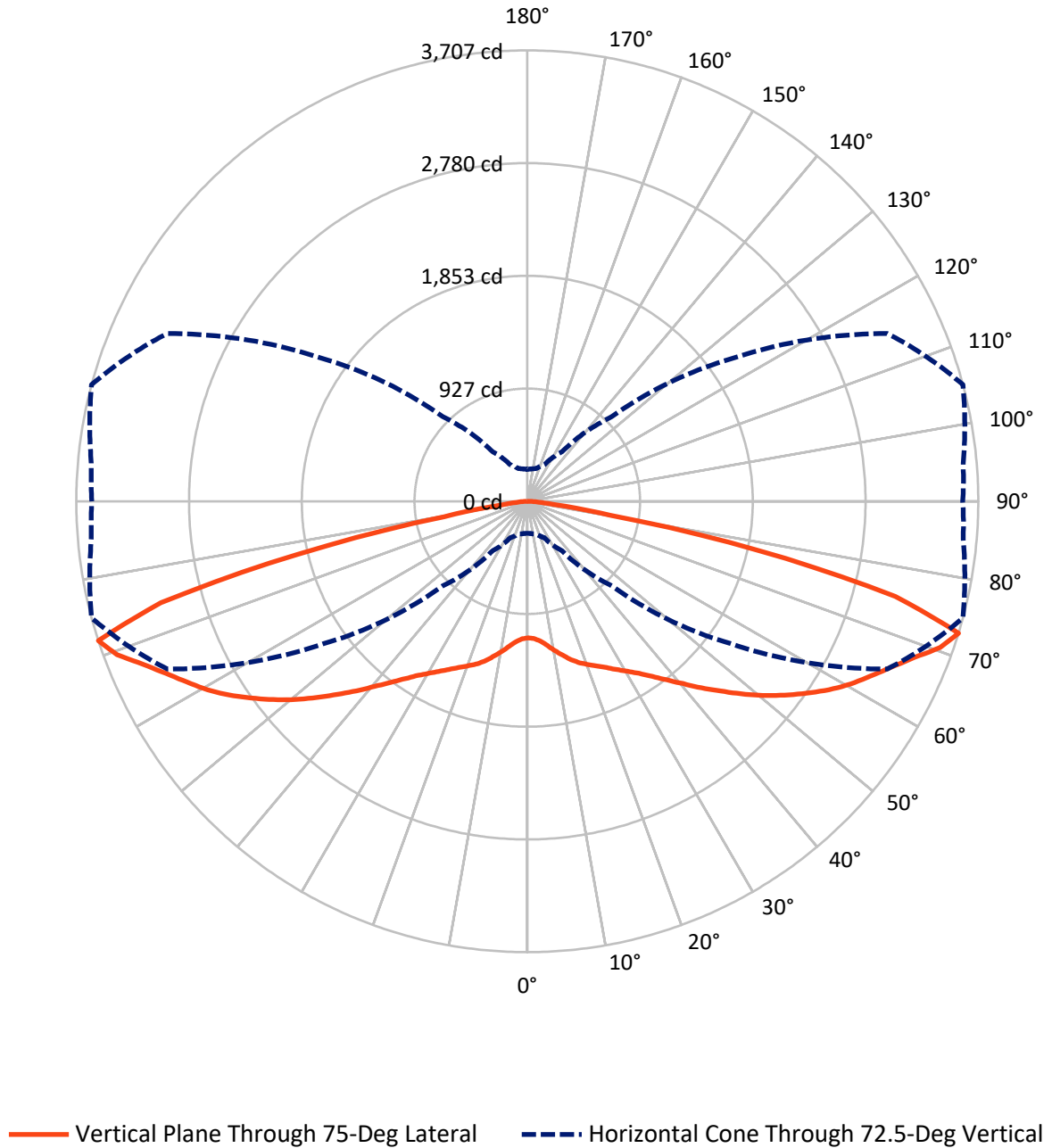
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



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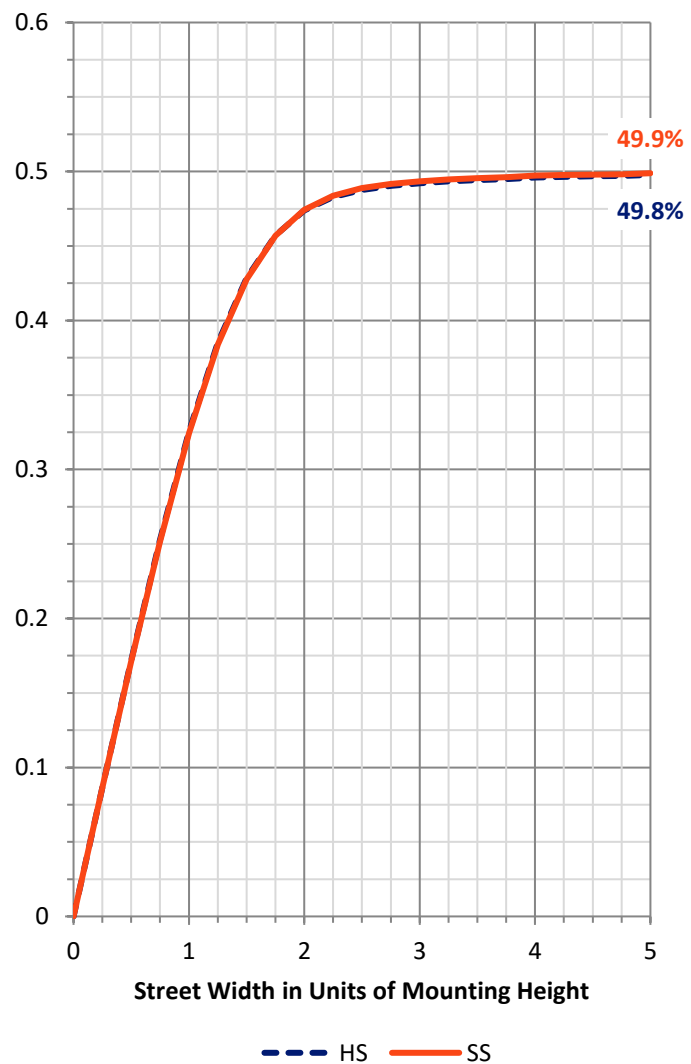
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5241.0   | 0.0    | 5241.0  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 5241.0   | 0.0    | 5241.0  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 10482.0  | 0.0    | 10482.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 110.0   | 1.0       |
| 10°-20°   | 362.8   | 3.5       |
| 20°-30°   | 701.0   | 6.7       |
| 30°-40°   | 1183.6  | 11.3      |
| 40°-50°   | 1877.1  | 17.9      |
| 50°-60°   | 2513.2  | 24.0      |
| 60°-70°   | 2391.8  | 22.8      |
| 70°-80°   | 1248.1  | 11.9      |
| 80°-90°   | 94.5    | 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°    | 10482.0 | 100.0     |
| 0°-180°   | 10482.0 | 100.0     |

**Coefficient of Utilization**



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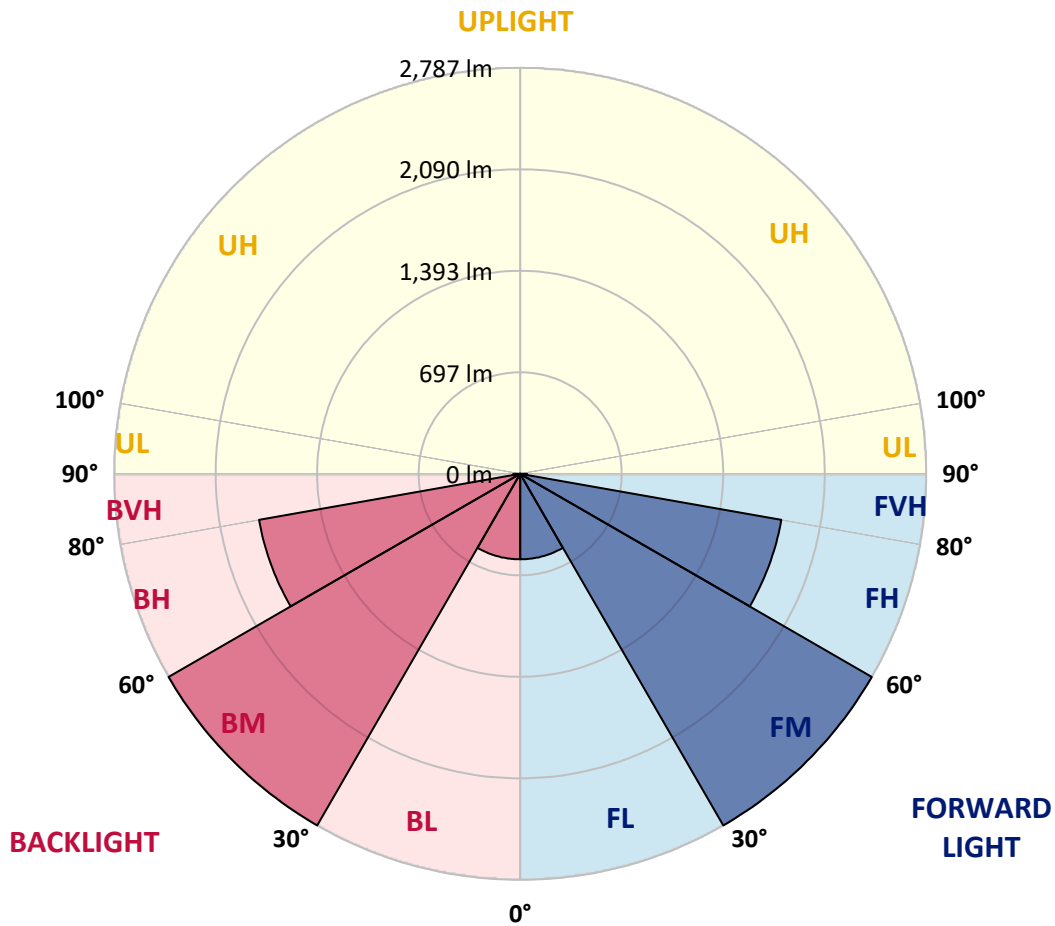
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 586.9  | 5.6       |                         |      |         |
| FM (30°-60°)   | 2787.0 | 26.6      |                         |      |         |
| FH (60°-80°)   | 1819.9 | 17.4      |                         |      | G2/5000 |
| FVH (80°-90°)  | 47.2   | 0.5       |                         |      | G1/100  |
| BL (0°-30°)    | 586.9  | 5.6       | B2/1000                 |      |         |
| BM (30°-60°)   | 2787.0 | 26.6      | B3/5000                 |      |         |
| BH (60°-80°)   | 1819.9 | 17.4      | B3/2500                 |      | G3/2500 |
| BVH (80°-90°)  | 47.2   | 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°    | 1122.8 | 1122.8 | 1122.8 | 1122.8 | 1122.8 | 1122.8 | 1122.8 | 1122.8 | 1122.8 | 1122.8 |
| 2.5°  | 1122.8 | 1121.7 | 1122.8 | 1123.9 | 1123.3 | 1123.3 | 1126.0 | 1127.6 | 1130.8 | 1130.3 |
| 5°    | 1115.3 | 1114.8 | 1119.1 | 1123.9 | 1127.6 | 1134.0 | 1142.1 | 1148.0 | 1155.5 | 1157.1 |
| 7.5°  | 1111.6 | 1110.0 | 1117.5 | 1126.0 | 1137.8 | 1153.9 | 1169.4 | 1185.4 | 1198.3 | 1202.6 |
| 10°   | 1114.2 | 1114.8 | 1125.0 | 1141.0 | 1159.7 | 1182.2 | 1204.2 | 1231.5 | 1249.6 | 1253.9 |
| 12.5° | 1126.6 | 1125.5 | 1142.6 | 1168.3 | 1194.0 | 1222.4 | 1248.0 | 1278.0 | 1297.8 | 1308.0 |
| 15°   | 1149.0 | 1146.9 | 1171.0 | 1209.0 | 1246.4 | 1279.6 | 1300.5 | 1328.9 | 1351.9 | 1364.7 |
| 17.5° | 1175.8 | 1176.9 | 1208.4 | 1257.7 | 1306.9 | 1344.4 | 1364.2 | 1378.6 | 1396.3 | 1407.5 |
| 20°   | 1222.9 | 1225.0 | 1260.4 | 1318.7 | 1374.9 | 1417.7 | 1433.8 | 1428.4 | 1433.2 | 1441.8 |
| 22.5° | 1286.0 | 1287.1 | 1326.7 | 1389.9 | 1448.7 | 1495.8 | 1506.5 | 1484.6 | 1471.2 | 1477.1 |
| 25°   | 1359.4 | 1366.3 | 1405.9 | 1470.7 | 1531.2 | 1576.1 | 1580.9 | 1547.7 | 1514.6 | 1516.2 |
| 27.5° | 1448.7 | 1455.2 | 1495.3 | 1559.5 | 1621.1 | 1660.1 | 1659.6 | 1615.2 | 1566.5 | 1554.2 |
| 30°   | 1545.6 | 1552.6 | 1593.8 | 1660.1 | 1717.4 | 1751.6 | 1744.2 | 1691.2 | 1621.6 | 1598.6 |
| 32.5° | 1660.7 | 1664.9 | 1706.7 | 1773.1 | 1826.0 | 1853.3 | 1837.8 | 1772.5 | 1685.8 | 1659.6 |
| 35°   | 1799.8 | 1806.2 | 1837.3 | 1899.9 | 1946.5 | 1968.9 | 1942.7 | 1865.6 | 1768.2 | 1738.8 |
| 37.5° | 1958.8 | 1954.5 | 1989.8 | 2045.5 | 2084.0 | 2097.9 | 2062.1 | 1970.5 | 1862.4 | 1827.6 |
| 40°   | 2124.7 | 2122.5 | 2161.1 | 2214.6 | 2235.5 | 2244.0 | 2191.0 | 2091.0 | 1971.1 | 1933.6 |
| 42.5° | 2275.1 | 2273.4 | 2325.4 | 2384.8 | 2409.9 | 2400.3 | 2333.4 | 2218.9 | 2096.8 | 2054.0 |
| 45°   | 2395.5 | 2393.3 | 2457.0 | 2540.5 | 2589.7 | 2573.7 | 2483.8 | 2360.1 | 2224.2 | 2179.8 |
| 47.5° | 2488.1 | 2489.1 | 2557.6 | 2660.9 | 2747.1 | 2753.0 | 2637.4 | 2504.1 | 2364.4 | 2314.1 |
| 50°   | 2555.0 | 2558.2 | 2631.5 | 2746.0 | 2863.8 | 2915.7 | 2794.2 | 2651.8 | 2509.5 | 2452.7 |
| 52.5° | 2571.5 | 2577.4 | 2665.7 | 2800.1 | 2938.7 | 3037.7 | 2953.7 | 2793.6 | 2647.0 | 2593.0 |
| 55°   | 2483.2 | 2495.0 | 2606.9 | 2795.8 | 2984.7 | 3118.0 | 3093.9 | 2937.6 | 2785.6 | 2730.0 |
| 57.5° | 2280.4 | 2297.0 | 2427.6 | 2674.3 | 2974.5 | 3173.1 | 3202.5 | 3075.7 | 2924.2 | 2870.7 |
| 60°   | 1996.2 | 2016.0 | 2141.3 | 2410.5 | 2831.1 | 3193.4 | 3279.1 | 3210.0 | 3051.6 | 2999.7 |
| 62.5° | 1567.5 | 1593.2 | 1743.1 | 2058.8 | 2528.2 | 3098.7 | 3344.3 | 3331.5 | 3166.1 | 3101.4 |
| 65°   | 1005.6 | 1032.9 | 1190.8 | 1563.8 | 2124.1 | 2808.6 | 3364.7 | 3449.8 | 3287.1 | 3196.6 |
| 67.5° | 606.4  | 618.7  | 696.8  | 947.8  | 1552.6 | 2371.4 | 3192.4 | 3580.9 | 3428.4 | 3316.0 |
| 70°   | 388.0  | 395.0  | 441.5  | 556.6  | 877.7  | 1730.2 | 2765.3 | 3605.5 | 3599.6 | 3438.5 |
| 72.5° | 263.3  | 265.4  | 277.8  | 329.7  | 496.6  | 983.1  | 2039.6 | 3264.1 | 3706.7 | 3596.4 |
| 75°   | 192.7  | 204.4  | 224.2  | 233.3  | 282.0  | 491.3  | 1168.8 | 2293.3 | 3123.9 | 3172.0 |
| 77.5° | 143.4  | 144.0  | 171.3  | 182.0  | 201.2  | 261.7  | 494.5  | 1280.2 | 1939.5 | 2036.4 |
| 80°   | 121.5  | 115.1  | 114.5  | 146.6  | 151.5  | 163.2  | 221.0  | 442.1  | 694.7  | 421.2  |
| 82.5° | 101.1  | 94.2   | 85.1   | 114.5  | 103.3  | 100.1  | 95.8   | 179.8  | 221.0  | 108.6  |
| 85°   | 70.6   | 67.4   | 64.2   | 74.9   | 58.9   | 50.3   | 46.0   | 84.0   | 93.1   | 46.0   |
| 87.5° | 30.5   | 31.6   | 32.1   | 33.2   | 24.6   | 17.7   | 17.7   | 23.5   | 23.5   | 18.2   |
| 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°    |
|--------|
| 1122.8 |
| 1129.8 |
| 1157.1 |
| 1203.6 |
| 1258.2 |
| 1312.3 |
| 1369.5 |
| 1412.9 |
| 1448.2 |
| 1481.4 |
| 1518.8 |
| 1557.9 |
| 1601.3 |
| 1666.0 |
| 1743.1 |
| 1834.1 |
| 1945.9 |
| 2064.7 |
| 2190.0 |
| 2329.1 |
| 2469.9 |
| 2606.9 |
| 2745.5 |
| 2883.0 |
| 3010.9 |
| 3108.9 |
| 3207.9 |
| 3324.5 |
| 3437.5 |
| 3579.3 |
| 3055.3 |
| 1816.4 |
| 318.4  |
| 92.6   |
| 40.7   |
| 13.4   |
| 0.0    |

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