

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: P945461

Luminaire Tested: **GLAN-SB1B-930-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P945461  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1B-930-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 3000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

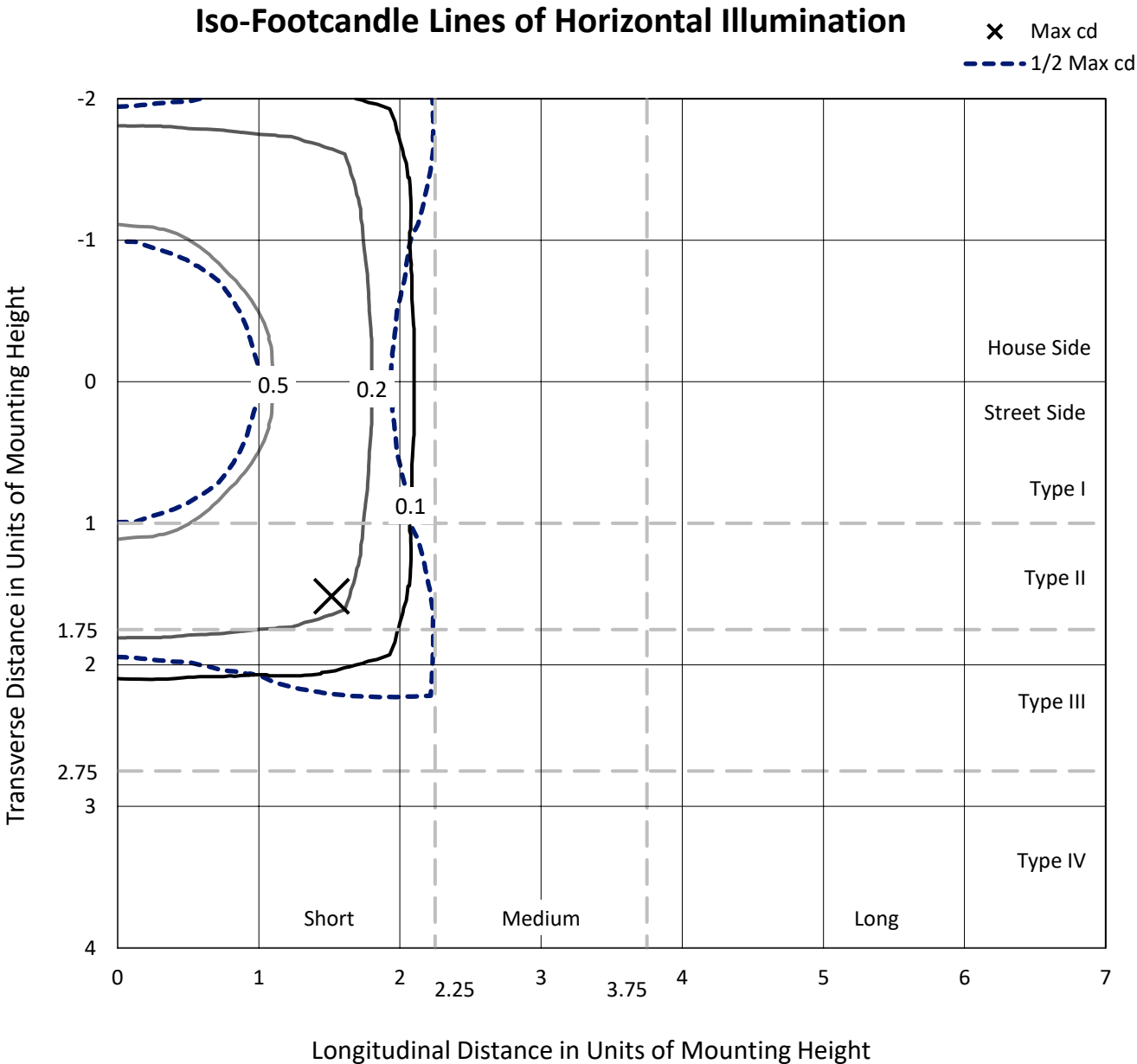
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4106 lumens  
Efficiency: N/A  
Efficacy: 103.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0

Input Watts (W): 39.8  
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

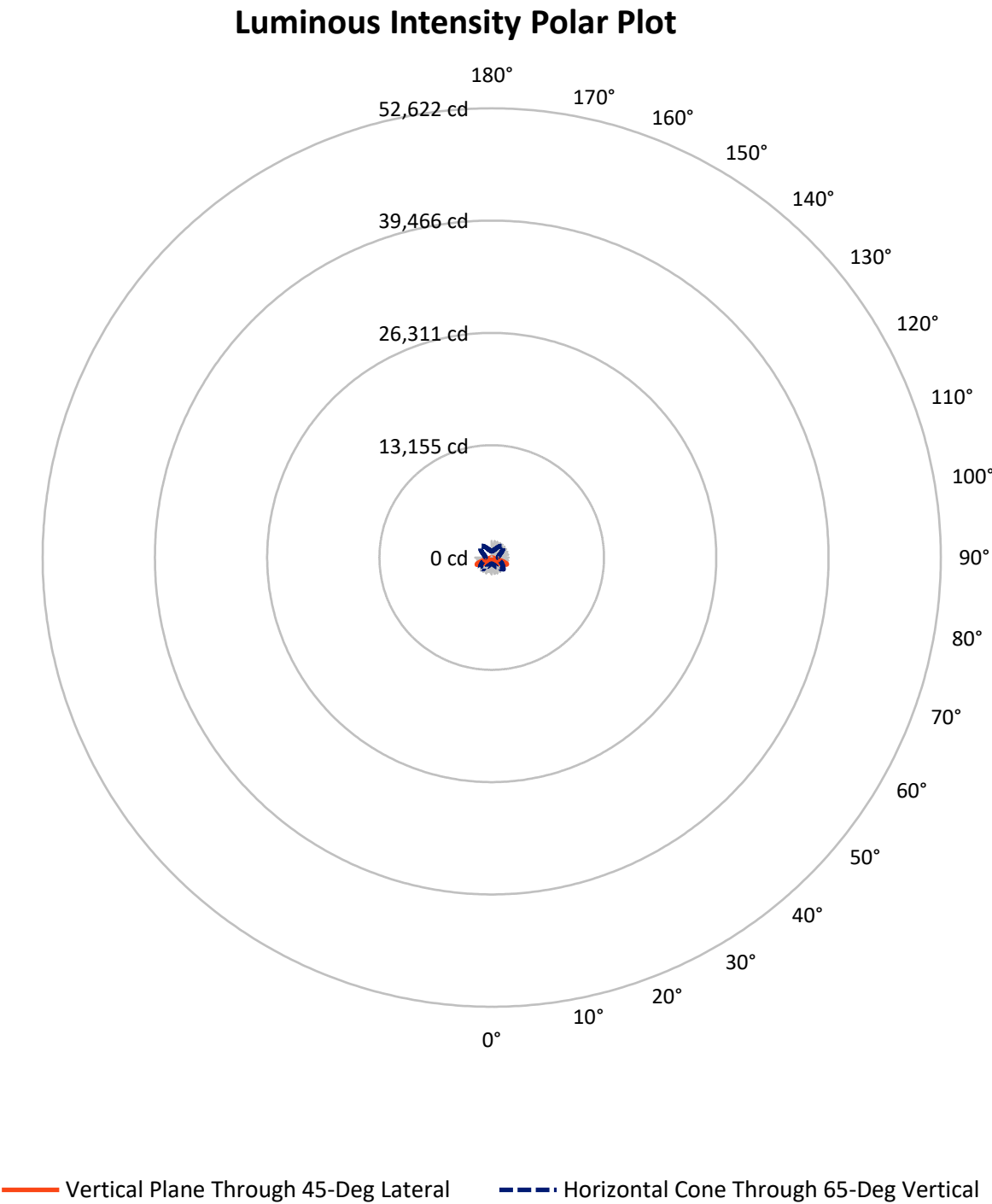


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Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
Type V - Short - N/A

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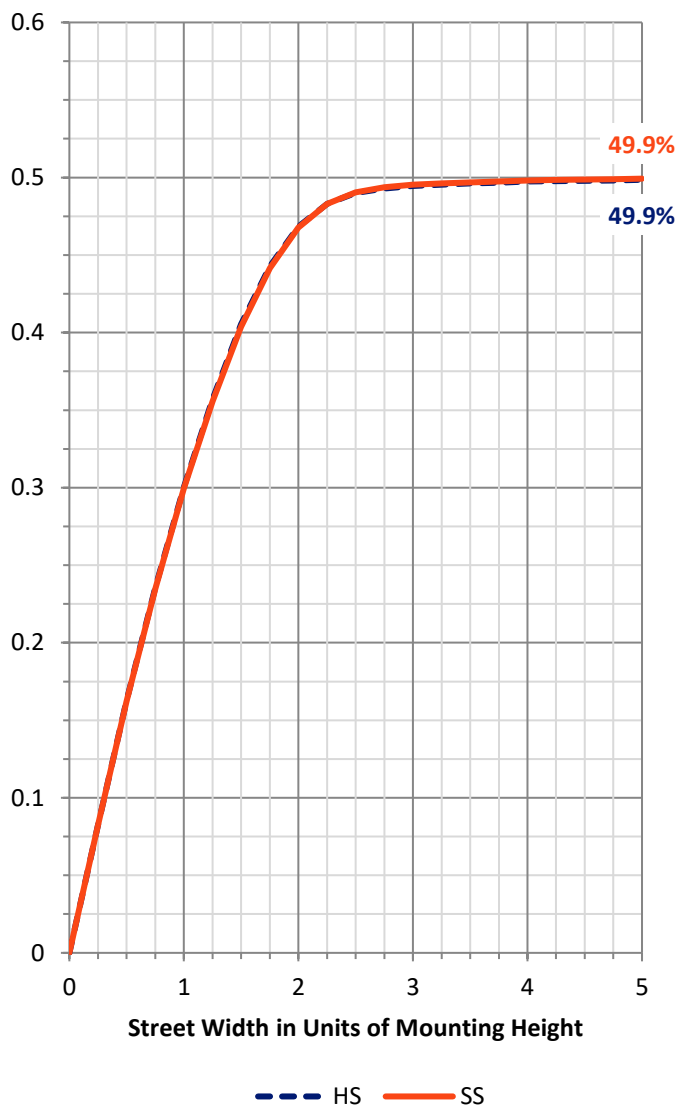
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2053.0   | 0.0    | 2053.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 2053.0   | 0.0    | 2053.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 4106.0   | 0.0    | 4106.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 48.2   | 1.2       |
| 10°-20°   | 157.4  | 3.8       |
| 20°-30°   | 297.1  | 7.2       |
| 30°-40°   | 486.5  | 11.8      |
| 40°-50°   | 754.4  | 18.4      |
| 50°-60°   | 1114.3 | 27.1      |
| 60°-70°   | 1060.8 | 25.8      |
| 70°-80°   | 171.2  | 4.2       |
| 80°-90°   | 16.1   | 0.4       |
| 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°    | 4106.0 | 100.0     |
| 0°-180°   | 4106.0 | 100.0     |

**Coefficient of Utilization**



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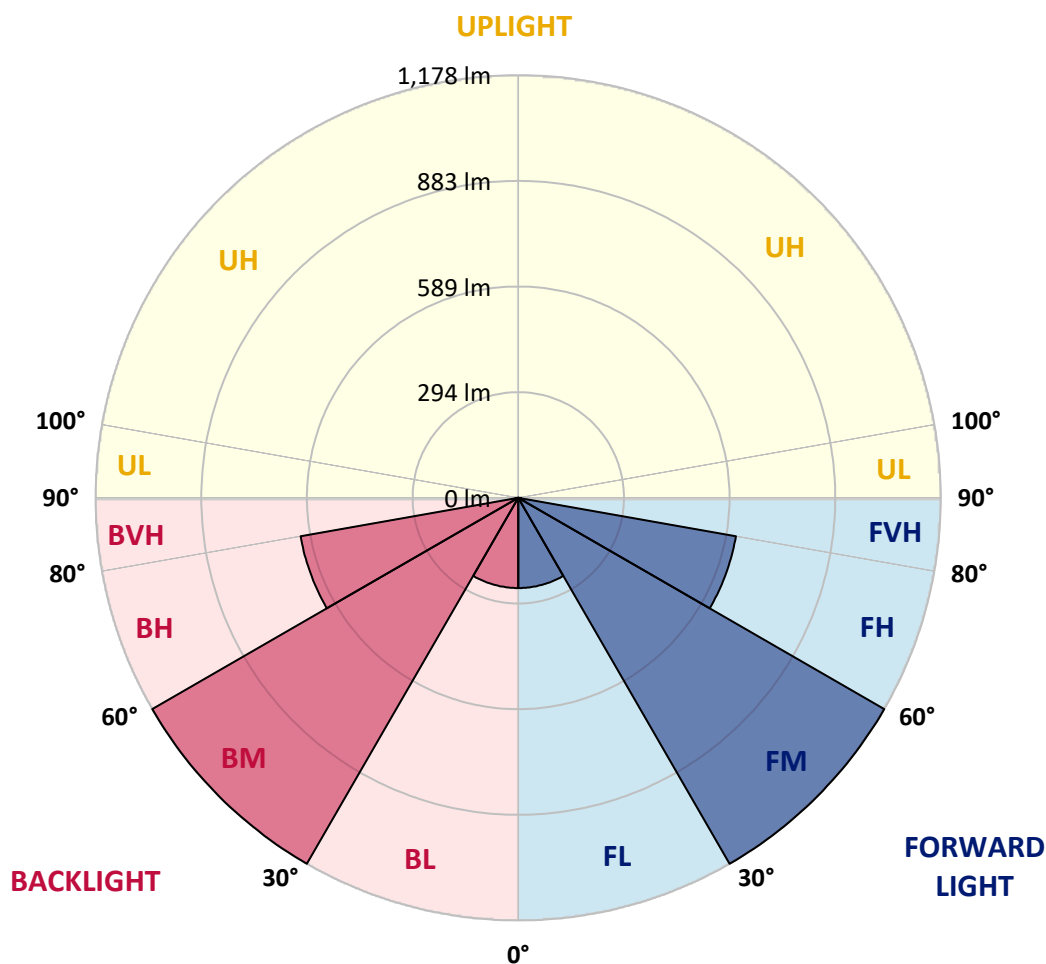
CATALOG NUMBER: GLAN-SB1B-930-U-5NQ

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 251.4  | 6.1       |                         |      |        |
| FM   | (30°-60°)   | 1177.6 | 28.7      |                         |      |        |
| FH   | (60°-80°)   | 616.0  | 15.0      |                         |      | G0/660 |
| FVH  | (80°-90°)   | 8.1    | 0.2       |                         |      | G0/10  |
| BL   | (0°-30°)    | 251.4  | 6.1       | B1/500                  |      |        |
| BM   | (30°-60°)   | 1177.6 | 28.7      | B2/2500                 |      |        |
| BH   | (60°-80°)   | 616.0  | 15.0      | B2/1000                 |      | G0/660 |
| BVH  | (80°-90°)   | 8.1    | 0.2       |                         |      | G0/10  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |        |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |        |

**BUG Rating: B2-U0-G0**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 488.7  | 488.7  | 488.7  | 488.7  | 488.7  | 488.7  | 488.7  | 488.7  | 488.7  | 488.7  |
| 2.5°  | 492.0  | 490.3  | 491.5  | 490.5  | 489.7  | 488.9  | 489.3  | 490.7  | 491.3  | 491.5  |
| 5°    | 498.5  | 497.1  | 497.7  | 497.7  | 496.3  | 495.9  | 496.1  | 497.1  | 498.3  | 498.3  |
| 7.5°  | 509.3  | 507.8  | 509.3  | 508.4  | 507.2  | 506.8  | 506.6  | 507.4  | 509.3  | 509.3  |
| 10°   | 522.2  | 520.6  | 521.4  | 521.0  | 519.6  | 518.9  | 518.7  | 520.0  | 521.6  | 521.4  |
| 12.5° | 536.4  | 534.6  | 535.6  | 534.4  | 534.0  | 533.4  | 533.4  | 533.2  | 534.2  | 533.4  |
| 15°   | 552.3  | 551.1  | 551.5  | 550.7  | 551.3  | 550.9  | 549.2  | 548.4  | 548.8  | 547.6  |
| 17.5° | 571.1  | 568.2  | 569.6  | 569.2  | 569.2  | 570.0  | 567.4  | 566.3  | 567.1  | 565.9  |
| 20°   | 592.7  | 589.8  | 590.4  | 589.6  | 588.6  | 589.4  | 586.1  | 586.9  | 587.5  | 586.7  |
| 22.5° | 616.4  | 612.7  | 612.5  | 612.9  | 610.6  | 610.8  | 608.6  | 610.6  | 611.8  | 609.6  |
| 25°   | 640.7  | 636.8  | 639.5  | 638.4  | 635.5  | 636.2  | 634.5  | 636.6  | 637.6  | 634.7  |
| 27.5° | 666.4  | 663.8  | 666.2  | 666.9  | 663.4  | 665.8  | 663.4  | 665.2  | 666.2  | 661.9  |
| 30°   | 696.5  | 693.8  | 696.1  | 697.8  | 693.6  | 697.5  | 695.5  | 696.7  | 696.9  | 691.8  |
| 32.5° | 729.3  | 725.2  | 730.9  | 731.7  | 727.2  | 732.0  | 729.3  | 730.9  | 732.0  | 724.9  |
| 35°   | 769.2  | 764.1  | 770.7  | 769.7  | 765.7  | 769.7  | 767.2  | 769.7  | 772.1  | 763.7  |
| 37.5° | 812.3  | 806.9  | 813.9  | 812.1  | 808.4  | 811.1  | 809.6  | 811.3  | 815.2  | 806.1  |
| 40°   | 859.7  | 853.1  | 862.6  | 859.3  | 855.8  | 855.4  | 856.2  | 857.2  | 862.4  | 852.3  |
| 42.5° | 910.4  | 903.4  | 917.6  | 912.4  | 907.5  | 904.2  | 906.9  | 908.9  | 913.9  | 902.5  |
| 45°   | 968.2  | 960.2  | 978.8  | 972.6  | 964.7  | 957.9  | 962.3  | 965.4  | 972.6  | 959.0  |
| 47.5° | 1032.1 | 1023.0 | 1042.8 | 1041.0 | 1028.2 | 1013.4 | 1023.3 | 1032.1 | 1037.5 | 1021.0 |
| 50°   | 1094.5 | 1087.5 | 1113.5 | 1115.7 | 1100.1 | 1079.3 | 1093.1 | 1106.5 | 1107.9 | 1086.3 |
| 52.5° | 1153.0 | 1146.0 | 1183.7 | 1197.9 | 1183.9 | 1159.2 | 1173.8 | 1187.4 | 1176.5 | 1148.5 |
| 55°   | 1199.8 | 1194.0 | 1242.0 | 1278.7 | 1283.4 | 1263.0 | 1271.7 | 1271.3 | 1235.4 | 1192.4 |
| 57.5° | 1211.1 | 1210.3 | 1270.9 | 1348.5 | 1398.0 | 1400.5 | 1383.4 | 1339.7 | 1262.4 | 1204.5 |
| 60°   | 1159.6 | 1164.8 | 1248.0 | 1385.0 | 1516.8 | 1571.6 | 1497.7 | 1373.1 | 1231.7 | 1151.4 |
| 62.5° | 1005.5 | 1019.1 | 1119.5 | 1340.5 | 1612.9 | 1768.6 | 1589.4 | 1322.4 | 1105.7 | 1000.8 |
| 65°   | 720.6  | 744.3  | 855.1  | 1144.0 | 1604.2 | 1941.6 | 1576.2 | 1134.7 | 863.4  | 742.5  |
| 67.5° | 326.9  | 351.0  | 445.2  | 783.2  | 1394.5 | 1894.7 | 1391.2 | 791.5  | 467.4  | 352.3  |
| 70°   | 118.5  | 122.6  | 152.9  | 313.5  | 891.2  | 1509.6 | 929.3  | 315.8  | 162.5  | 130.6  |
| 72.5° | 71.7   | 72.3   | 78.7   | 112.3  | 309.6  | 916.5  | 322.8  | 116.0  | 80.3   | 71.3   |
| 75°   | 45.5   | 45.1   | 56.0   | 68.6   | 109.8  | 309.2  | 115.2  | 68.6   | 55.8   | 50.9   |
| 77.5° | 32.8   | 33.8   | 40.2   | 51.3   | 69.2   | 104.9  | 68.0   | 49.0   | 40.2   | 33.0   |
| 80°   | 24.5   | 25.1   | 29.3   | 40.0   | 48.6   | 65.3   | 43.3   | 36.3   | 30.3   | 20.6   |
| 82.5° | 17.7   | 17.7   | 19.2   | 29.0   | 29.7   | 35.2   | 23.5   | 25.5   | 20.0   | 14.6   |
| 85°   | 10.5   | 10.3   | 11.9   | 17.3   | 15.5   | 13.0   | 10.7   | 15.7   | 12.6   | 9.1    |
| 87.5° | 3.7    | 3.9    | 3.7    | 4.9    | 4.1    | 3.5    | 3.3    | 4.3    | 3.5    | 3.1    |
| 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°    |
|--------|
| 488.7  |
| 491.5  |
| 498.3  |
| 508.6  |
| 521.0  |
| 533.8  |
| 547.8  |
| 566.9  |
| 588.6  |
| 611.8  |
| 638.0  |
| 665.2  |
| 694.9  |
| 729.7  |
| 768.8  |
| 811.7  |
| 855.6  |
| 908.5  |
| 966.0  |
| 1026.5 |
| 1089.0 |
| 1149.3 |
| 1193.8 |
| 1200.8 |
| 1141.9 |
| 994.6  |
| 733.6  |
| 347.1  |
| 129.0  |
| 72.5   |
| 51.3   |
| 33.6   |
| 21.2   |
| 14.6   |
| 8.9    |
| 2.9    |
| 0.0    |

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