

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: P945044

Luminaire Tested: **GLAN-SB1A-840-U-RW**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P945044  
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-SB1A-840-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 4000K, 350mA LIGHTSQUARE WITH 26 LEDS AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

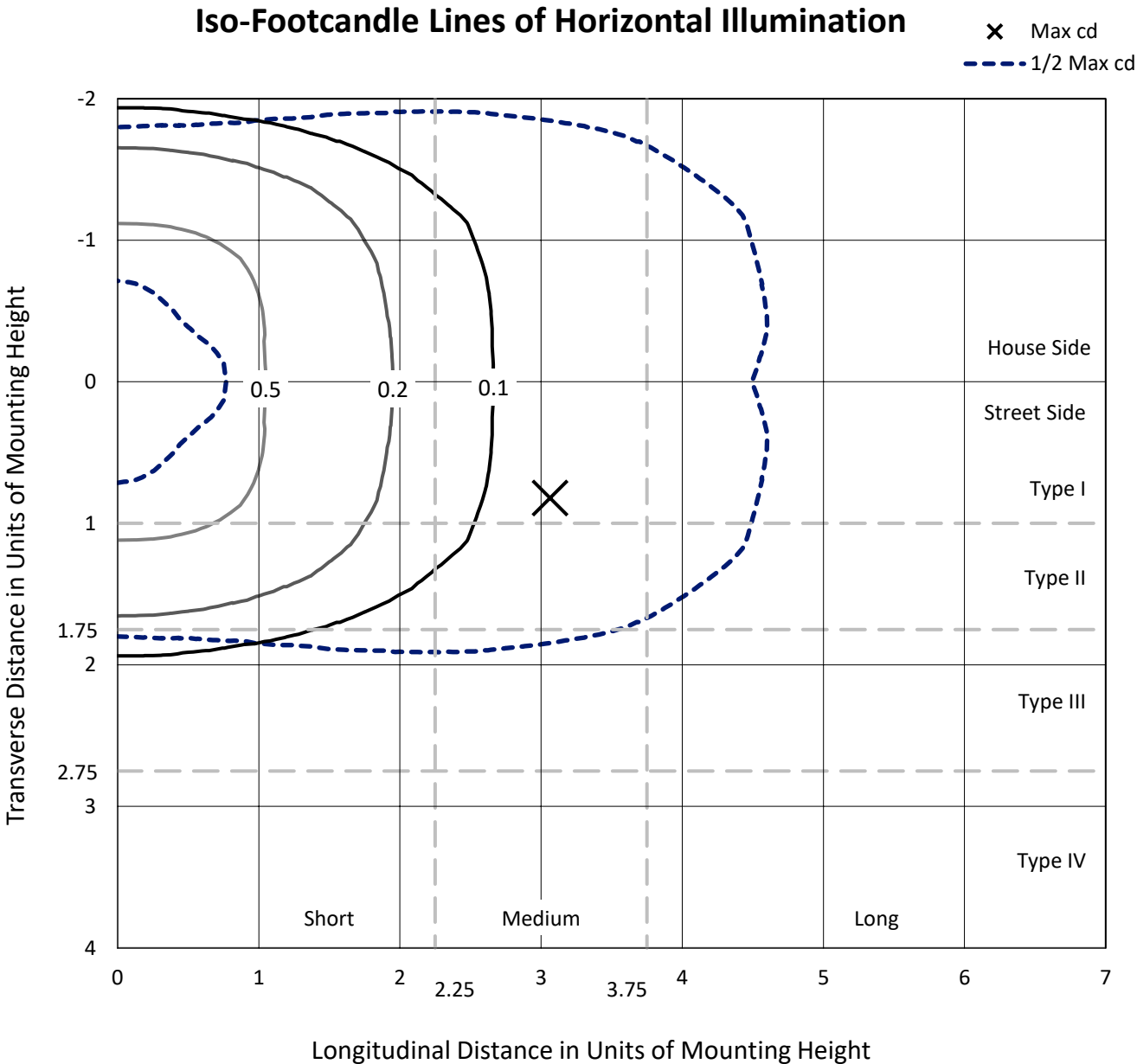
### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 4420 lumens  
Efficiency: N/A  
Efficacy: 143.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G2

Input Watts (W): 30.9  
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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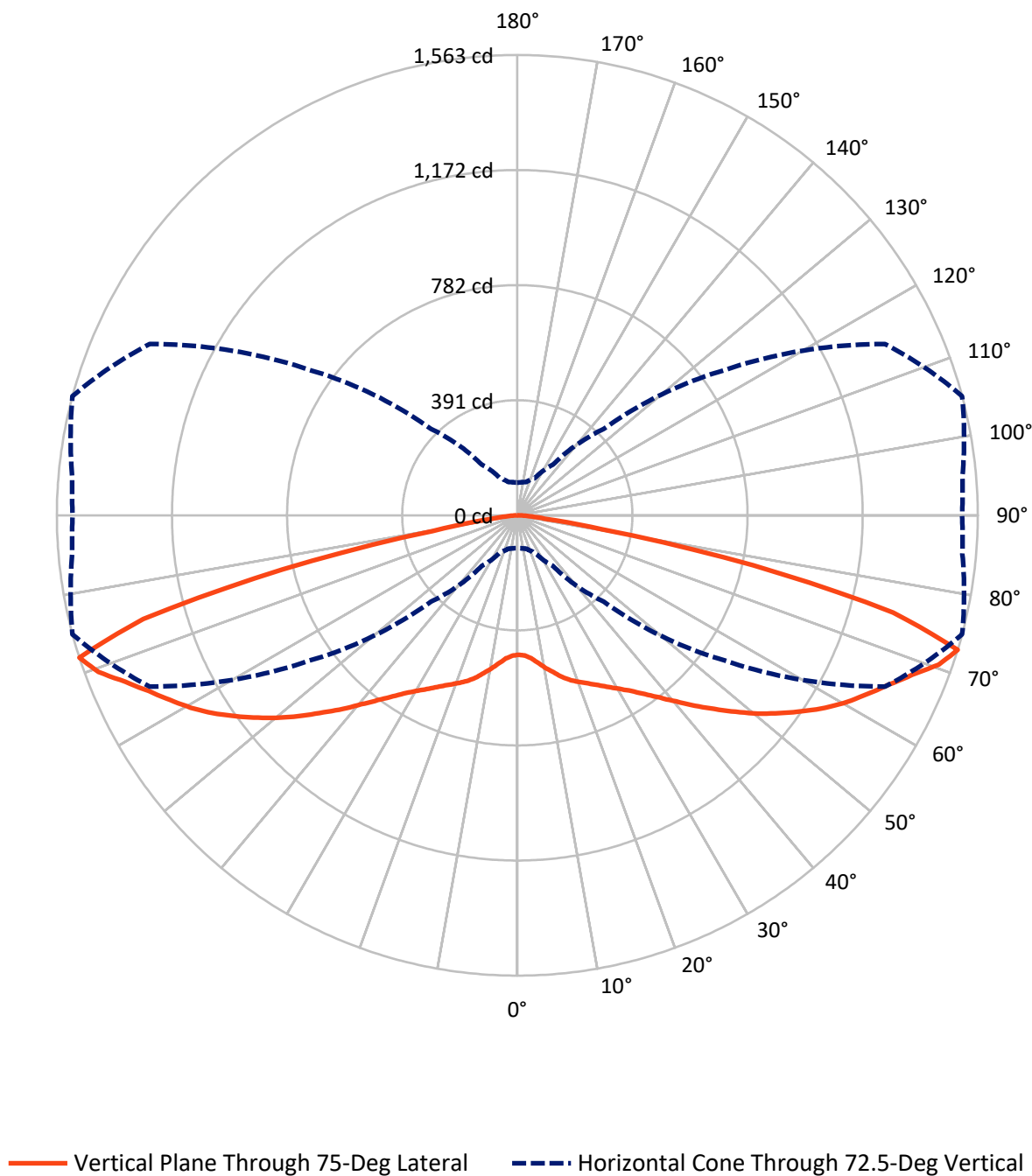


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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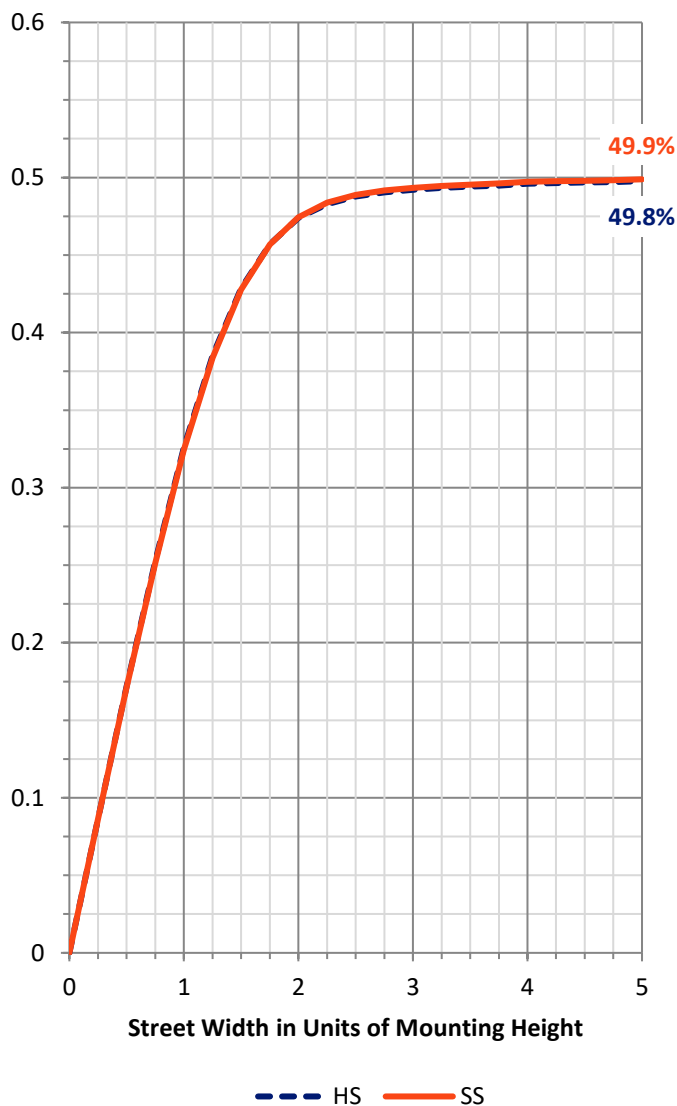
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2210.0   | 0.0    | 2210.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 2210.0   | 0.0    | 2210.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 4420.0   | 0.0    | 4420.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 46.4   | 1.0       |
| 10°-20°   | 153.0  | 3.5       |
| 20°-30°   | 295.6  | 6.7       |
| 30°-40°   | 499.1  | 11.3      |
| 40°-50°   | 791.5  | 17.9      |
| 50°-60°   | 1059.8 | 24.0      |
| 60°-70°   | 1008.6 | 22.8      |
| 70°-80°   | 526.3  | 11.9      |
| 80°-90°   | 39.8   | 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°    | 4420.0 | 100.0     |
| 0°-180°   | 4420.0 | 100.0     |

**Coefficient of Utilization**



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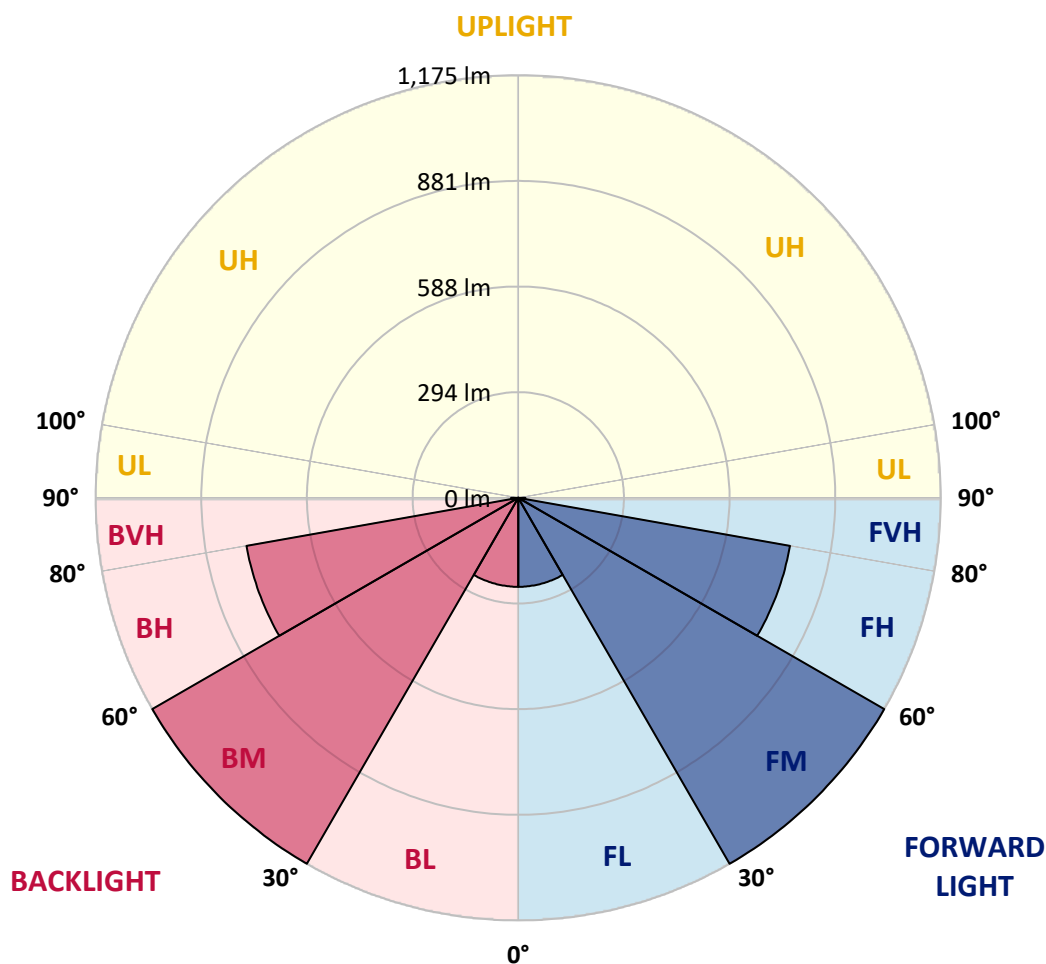
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 247.5  | 5.6       |                         |      |         |
| FM   | (30°-60°)   | 1175.2 | 26.6      |                         |      |         |
| FH   | (60°-80°)   | 767.4  | 17.4      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 19.9   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 247.5  | 5.6       | B1/500                  |      |         |
| BM   | (30°-60°)   | 1175.2 | 26.6      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 767.4  | 17.4      | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 19.9   | 0.5       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 473.5  | 473.5  | 473.5  | 473.5  | 473.5  | 473.5  | 473.5  | 473.5  | 473.5  | 473.5  |
| 2.5°  | 473.5  | 473.0  | 473.5  | 473.9  | 473.7  | 473.7  | 474.8  | 475.5  | 476.8  | 476.6  |
| 5°    | 470.3  | 470.1  | 471.9  | 473.9  | 475.5  | 478.2  | 481.6  | 484.1  | 487.2  | 487.9  |
| 7.5°  | 468.7  | 468.0  | 471.2  | 474.8  | 479.8  | 486.6  | 493.1  | 499.9  | 505.3  | 507.1  |
| 10°   | 469.9  | 470.1  | 474.4  | 481.1  | 489.0  | 498.5  | 507.8  | 519.3  | 526.9  | 528.8  |
| 12.5° | 475.0  | 474.6  | 481.8  | 492.6  | 503.5  | 515.4  | 526.3  | 538.9  | 547.3  | 551.5  |
| 15°   | 484.5  | 483.6  | 493.8  | 509.8  | 525.6  | 539.6  | 548.4  | 560.3  | 570.0  | 575.5  |
| 17.5° | 495.8  | 496.3  | 509.6  | 530.3  | 551.1  | 566.9  | 575.2  | 581.3  | 588.8  | 593.5  |
| 20°   | 515.7  | 516.6  | 531.5  | 556.1  | 579.8  | 597.8  | 604.6  | 602.3  | 604.4  | 608.0  |
| 22.5° | 542.3  | 542.7  | 559.4  | 586.1  | 610.9  | 630.8  | 635.3  | 626.0  | 620.4  | 622.9  |
| 25°   | 573.2  | 576.1  | 592.8  | 620.1  | 645.6  | 664.6  | 666.6  | 652.6  | 638.7  | 639.3  |
| 27.5° | 610.9  | 613.6  | 630.5  | 657.6  | 683.6  | 700.0  | 699.8  | 681.1  | 660.5  | 655.4  |
| 30°   | 651.7  | 654.7  | 672.1  | 700.0  | 724.2  | 738.6  | 735.5  | 713.1  | 683.8  | 674.1  |
| 32.5° | 700.3  | 702.1  | 719.7  | 747.7  | 770.0  | 781.5  | 775.0  | 747.4  | 710.9  | 699.8  |
| 35°   | 758.9  | 761.6  | 774.7  | 801.1  | 820.8  | 830.2  | 819.2  | 786.7  | 745.6  | 733.2  |
| 37.5° | 826.0  | 824.2  | 839.1  | 862.5  | 878.8  | 884.6  | 869.5  | 830.9  | 785.3  | 770.7  |
| 40°   | 895.9  | 895.0  | 911.3  | 933.8  | 942.6  | 946.2  | 923.9  | 881.7  | 831.2  | 815.4  |
| 42.5° | 959.3  | 958.7  | 980.5  | 1005.6 | 1016.2 | 1012.1 | 983.9  | 935.6  | 884.2  | 866.1  |
| 45°   | 1010.1 | 1009.2 | 1036.1 | 1071.3 | 1092.0 | 1085.3 | 1047.3 | 995.2  | 937.9  | 919.2  |
| 47.5° | 1049.2 | 1049.6 | 1078.5 | 1122.0 | 1158.4 | 1160.9 | 1112.1 | 1055.9 | 997.0  | 975.8  |
| 50°   | 1077.4 | 1078.7 | 1109.6 | 1157.9 | 1207.6 | 1229.5 | 1178.2 | 1118.2 | 1058.2 | 1034.3 |
| 52.5° | 1084.4 | 1086.8 | 1124.1 | 1180.7 | 1239.2 | 1280.9 | 1245.5 | 1178.0 | 1116.2 | 1093.4 |
| 55°   | 1047.1 | 1052.1 | 1099.3 | 1178.9 | 1258.6 | 1314.8 | 1304.6 | 1238.7 | 1174.6 | 1151.2 |
| 57.5° | 961.6  | 968.6  | 1023.7 | 1127.7 | 1254.3 | 1338.0 | 1350.4 | 1296.9 | 1233.1 | 1210.5 |
| 60°   | 841.8  | 850.1  | 902.9  | 1016.4 | 1193.8 | 1346.6 | 1382.7 | 1353.6 | 1286.8 | 1264.9 |
| 62.5° | 661.0  | 671.8  | 735.0  | 868.2  | 1066.1 | 1306.6 | 1410.2 | 1404.8 | 1335.1 | 1307.8 |
| 65°   | 424.0  | 435.5  | 502.1  | 659.4  | 895.7  | 1184.3 | 1418.8 | 1454.7 | 1386.1 | 1347.9 |
| 67.5° | 255.7  | 260.9  | 293.8  | 399.7  | 654.7  | 1000.0 | 1346.1 | 1510.0 | 1445.7 | 1398.3 |
| 70°   | 163.6  | 166.5  | 186.2  | 234.7  | 370.1  | 729.6  | 1166.1 | 1520.4 | 1517.9 | 1449.9 |
| 72.5° | 111.0  | 111.9  | 117.1  | 139.0  | 209.4  | 414.6  | 860.0  | 1376.4 | 1563.0 | 1516.5 |
| 75°   | 81.2   | 86.2   | 94.6   | 98.4   | 118.9  | 207.2  | 492.9  | 967.0  | 1317.3 | 1337.6 |
| 77.5° | 60.5   | 60.7   | 72.2   | 76.7   | 84.9   | 110.4  | 208.5  | 539.8  | 817.8  | 858.7  |
| 80°   | 51.2   | 48.5   | 48.3   | 61.8   | 63.9   | 68.8   | 93.2   | 186.4  | 292.9  | 177.6  |
| 82.5° | 42.7   | 39.7   | 35.9   | 48.3   | 43.6   | 42.2   | 40.4   | 75.8   | 93.2   | 45.8   |
| 85°   | 29.8   | 28.4   | 27.1   | 31.6   | 24.8   | 21.2   | 19.4   | 35.4   | 39.3   | 19.4   |
| 87.5° | 12.9   | 13.3   | 13.5   | 14.0   | 10.4   | 7.4    | 7.4    | 9.9    | 9.9    | 7.7    |
| 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°    |
|--------|
| 473.5  |
| 476.4  |
| 487.9  |
| 507.5  |
| 530.6  |
| 553.3  |
| 577.5  |
| 595.8  |
| 610.7  |
| 624.7  |
| 640.5  |
| 656.9  |
| 675.2  |
| 702.5  |
| 735.0  |
| 773.4  |
| 820.5  |
| 870.6  |
| 923.5  |
| 982.1  |
| 1041.5 |
| 1099.3 |
| 1157.7 |
| 1215.7 |
| 1269.6 |
| 1310.9 |
| 1352.7 |
| 1401.9 |
| 1449.5 |
| 1509.3 |
| 1288.4 |
| 765.9  |
| 134.3  |
| 39.0   |
| 17.2   |
| 5.6    |
| 0.0    |

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