

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: P939660

Luminaire Tested: **GLAN-SB2B-840-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P939660  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2B-840-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

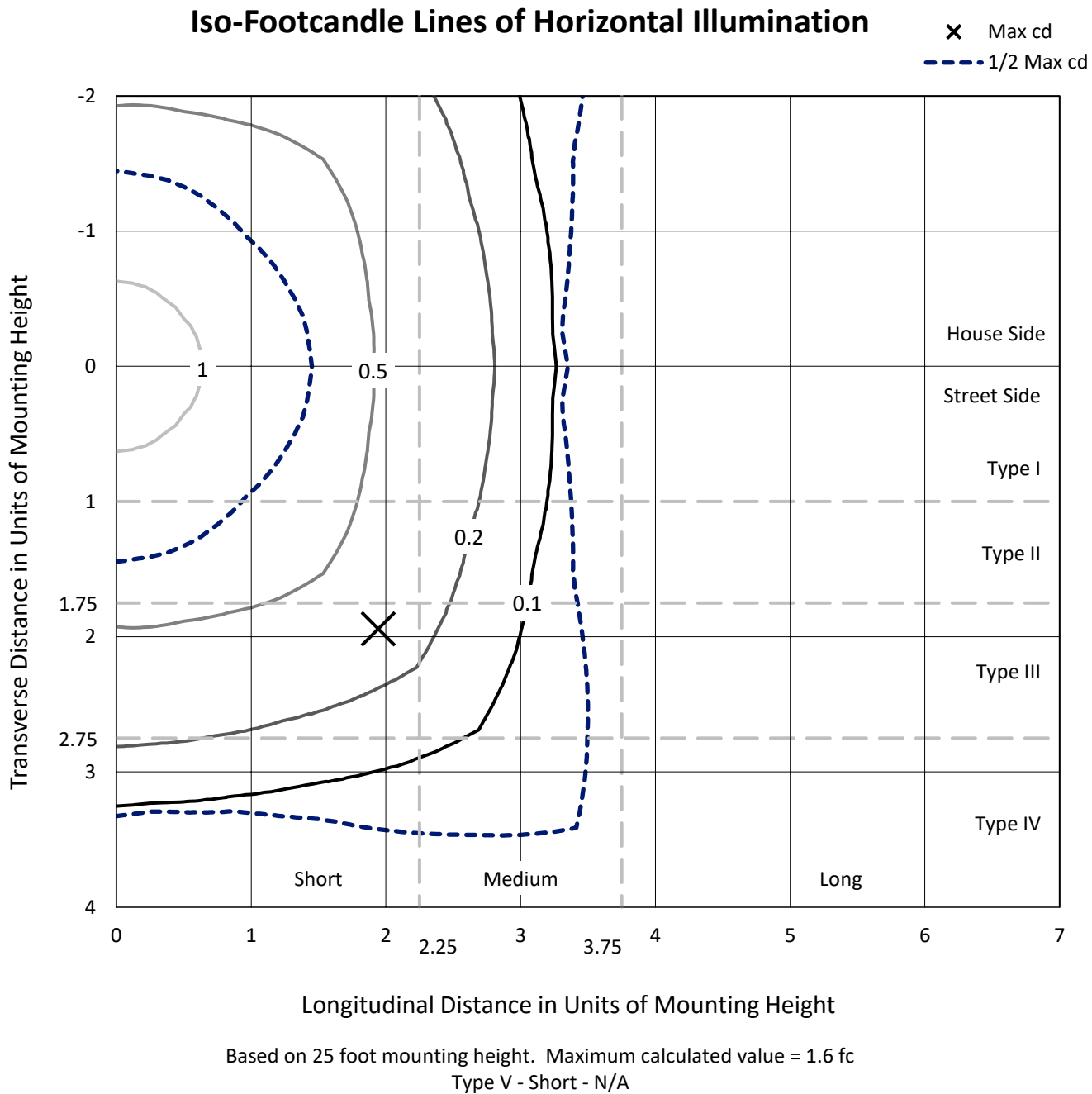
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10895 lumens  
Efficiency: N/A  
Efficacy: 147.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

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

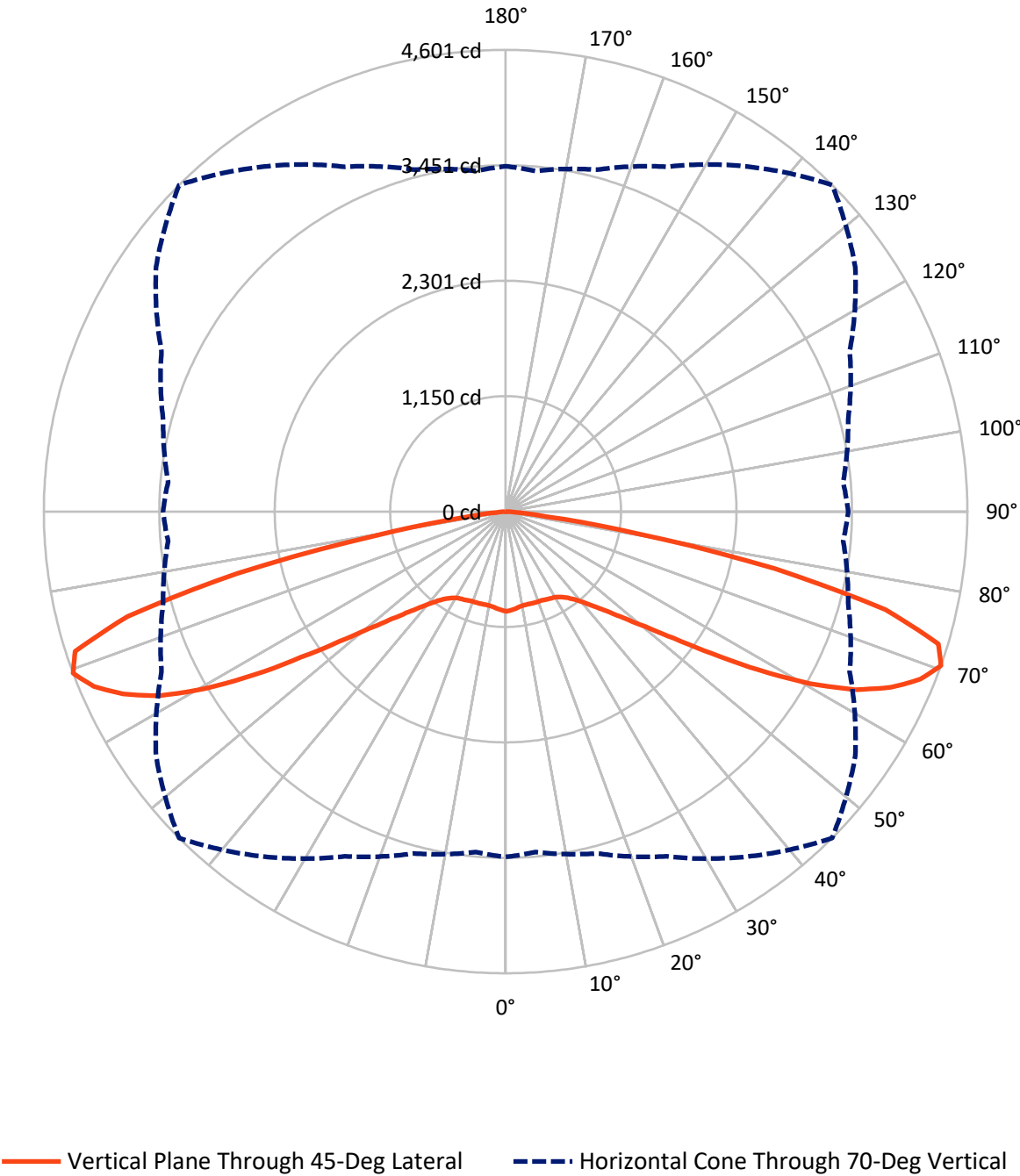


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Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5447.5   | 0.0    | 5447.5  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 5447.5   | 0.0    | 5447.5  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 10895.0  | 0.0    | 10895.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 92.5    | 0.8       |
| 10°-20°   | 271.5   | 2.5       |
| 20°-30°   | 451.7   | 4.1       |
| 30°-40°   | 683.2   | 6.3       |
| 40°-50°   | 1135.3  | 10.4      |
| 50°-60°   | 2142.2  | 19.7      |
| 60°-70°   | 3617.2  | 33.2      |
| 70°-80°   | 2376.9  | 21.8      |
| 80°-90°   | 124.5   | 1.1       |
| 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°    | 10895.0 | 100.0     |
| 0°-180°   | 10895.0 | 100.0     |

**Coefficient of Utilization**



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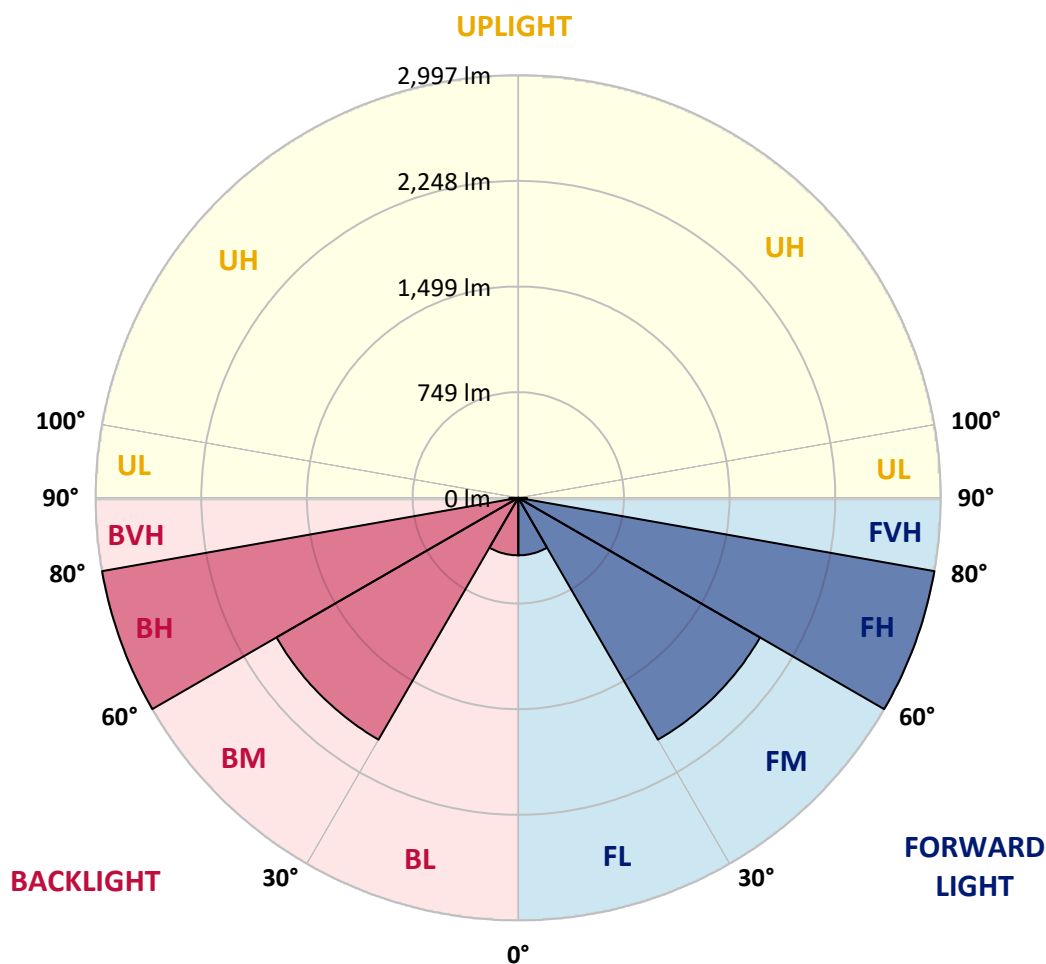
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 407.8  | 3.7       |                         |      |         |
| FM   | (30°-60°)   | 1980.3 | 18.2      |                         |      |         |
| FH   | (60°-80°)   | 2997.1 | 27.5      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 62.3   | 0.6       |                         |      | G1/100  |
| BL   | (0°-30°)    | 407.8  | 3.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 1980.3 | 18.2      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 2997.1 | 27.5      | B4/5000                 |      | G2/5000 |
| BVH  | (80°-90°)   | 62.3   | 0.6       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 993.8  | 993.8  | 993.8  | 993.8  | 993.8  | 993.8  | 993.8  | 993.8  | 993.8  | 993.8  |
| 2.5°  | 987.6  | 990.4  | 989.3  | 987.0  | 987.0  | 985.3  | 987.0  | 988.2  | 989.9  | 991.0  |
| 5°    | 974.6  | 976.9  | 976.3  | 974.6  | 975.2  | 973.5  | 974.6  | 976.3  | 977.4  | 978.0  |
| 7.5°  | 963.3  | 965.5  | 964.4  | 961.6  | 961.6  | 959.9  | 960.4  | 962.1  | 963.8  | 964.4  |
| 10°   | 960.4  | 962.7  | 959.3  | 954.8  | 953.1  | 950.8  | 951.4  | 953.1  | 956.5  | 958.2  |
| 12.5° | 961.6  | 963.3  | 959.9  | 953.1  | 951.4  | 949.1  | 949.1  | 950.8  | 955.3  | 957.6  |
| 15°   | 965.0  | 966.7  | 961.6  | 954.2  | 952.5  | 950.8  | 950.2  | 952.5  | 957.6  | 961.6  |
| 17.5° | 971.2  | 972.9  | 965.0  | 954.8  | 952.5  | 953.1  | 952.5  | 954.2  | 962.1  | 969.5  |
| 20°   | 976.9  | 978.0  | 967.2  | 954.8  | 952.5  | 953.1  | 952.5  | 955.9  | 966.1  | 976.3  |
| 22.5° | 978.6  | 979.7  | 969.5  | 958.7  | 957.0  | 957.6  | 957.0  | 960.4  | 970.1  | 980.3  |
| 25°   | 979.1  | 980.8  | 972.9  | 964.4  | 967.2  | 968.4  | 967.2  | 967.8  | 975.2  | 984.2  |
| 27.5° | 987.6  | 989.9  | 982.5  | 975.2  | 976.9  | 976.3  | 978.0  | 979.7  | 985.3  | 994.4  |
| 30°   | 1005.2 | 1006.9 | 1000.6 | 993.3  | 992.1  | 988.2  | 993.3  | 998.9  | 1005.2 | 1013.1 |
| 32.5° | 1034.1 | 1037.4 | 1029.5 | 1021.6 | 1016.5 | 1014.2 | 1018.2 | 1027.8 | 1036.3 | 1044.8 |
| 35°   | 1082.2 | 1084.5 | 1077.1 | 1062.4 | 1053.3 | 1053.3 | 1056.7 | 1069.2 | 1082.8 | 1093.5 |
| 37.5° | 1150.1 | 1153.0 | 1139.9 | 1122.4 | 1108.8 | 1108.8 | 1113.3 | 1126.4 | 1146.7 | 1162.0 |
| 40°   | 1232.8 | 1236.8 | 1220.4 | 1202.2 | 1189.2 | 1186.9 | 1192.6 | 1207.3 | 1226.6 | 1245.8 |
| 42.5° | 1332.5 | 1337.0 | 1315.5 | 1299.6 | 1289.4 | 1289.4 | 1292.3 | 1305.9 | 1323.4 | 1347.2 |
| 45°   | 1459.9 | 1467.8 | 1438.4 | 1422.5 | 1412.9 | 1415.2 | 1416.9 | 1428.8 | 1444.6 | 1471.8 |
| 47.5° | 1611.7 | 1619.6 | 1588.5 | 1572.0 | 1570.3 | 1581.1 | 1574.3 | 1582.8 | 1591.3 | 1622.4 |
| 50°   | 1783.8 | 1797.4 | 1775.9 | 1774.8 | 1778.2 | 1798.0 | 1782.1 | 1786.7 | 1777.0 | 1796.8 |
| 52.5° | 1994.5 | 2014.3 | 2010.3 | 2017.1 | 2055.1 | 2095.8 | 2059.6 | 2043.7 | 2007.5 | 2013.7 |
| 55°   | 2249.9 | 2279.9 | 2285.6 | 2326.3 | 2412.4 | 2495.7 | 2418.6 | 2354.6 | 2277.6 | 2263.5 |
| 57.5° | 2540.4 | 2564.2 | 2591.4 | 2674.6 | 2835.4 | 2983.2 | 2835.4 | 2693.9 | 2572.7 | 2543.8 |
| 60°   | 2853.0 | 2882.4 | 2908.5 | 3031.4 | 3270.3 | 3478.2 | 3265.8 | 3041.0 | 2880.7 | 2841.7 |
| 62.5° | 3188.8 | 3226.7 | 3244.9 | 3381.3 | 3659.9 | 3908.0 | 3663.9 | 3391.5 | 3213.7 | 3171.8 |
| 65°   | 3511.0 | 3542.2 | 3562.5 | 3708.1 | 3974.2 | 4222.8 | 3992.4 | 3723.9 | 3541.0 | 3486.1 |
| 67.5° | 3661.1 | 3678.1 | 3727.9 | 3892.7 | 4173.6 | 4457.3 | 4221.1 | 3910.2 | 3705.8 | 3609.5 |
| 70°   | 3441.4 | 3406.8 | 3526.9 | 3790.8 | 4197.4 | 4601.1 | 4251.7 | 3782.8 | 3532.5 | 3376.2 |
| 72.5° | 2659.3 | 2599.8 | 2808.2 | 3259.6 | 3925.5 | 4509.4 | 3952.7 | 3285.1 | 2937.9 | 2620.8 |
| 75°   | 1446.9 | 1379.5 | 1667.2 | 2238.0 | 3130.5 | 3908.6 | 3202.4 | 2302.0 | 1856.3 | 1436.1 |
| 77.5° | 408.3  | 382.8  | 615.0  | 1082.8 | 1882.9 | 2744.3 | 1955.4 | 1106.5 | 729.4  | 432.6  |
| 80°   | 125.2  | 121.2  | 164.2  | 326.2  | 799.6  | 1314.4 | 768.5  | 330.1  | 209.0  | 131.9  |
| 82.5° | 74.2   | 68.0   | 81.5   | 118.9  | 203.9  | 412.8  | 198.2  | 124.0  | 99.7   | 66.8   |
| 85°   | 42.5   | 39.6   | 48.1   | 57.8   | 68.5   | 87.8   | 57.2   | 58.9   | 53.2   | 35.7   |
| 87.5° | 17.6   | 15.9   | 18.7   | 18.1   | 15.9   | 20.4   | 15.3   | 18.1   | 21.5   | 14.2   |
| 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°    |
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| 993.8  |
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| 964.4  |
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| 962.1  |
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| 1089.5 |
| 1156.4 |
| 1239.6 |
| 1345.5 |
| 1470.7 |
| 1613.4 |
| 1785.0 |
| 1992.8 |
| 2241.4 |
| 2523.4 |
| 2807.7 |
| 3137.8 |
| 3458.9 |
| 3610.7 |
| 3413.6 |
| 2699.5 |
| 1529.6 |
| 480.8  |
| 139.3  |
| 72.5   |
| 37.4   |
| 13.0   |
| 0.0    |

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