

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: P957325

Luminaire Tested: **GLAN-SB9D-722-U-5MQ**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P957325  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9D-722-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 80186 lumens  
Efficiency: N/A  
Efficacy: 121.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 658  
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



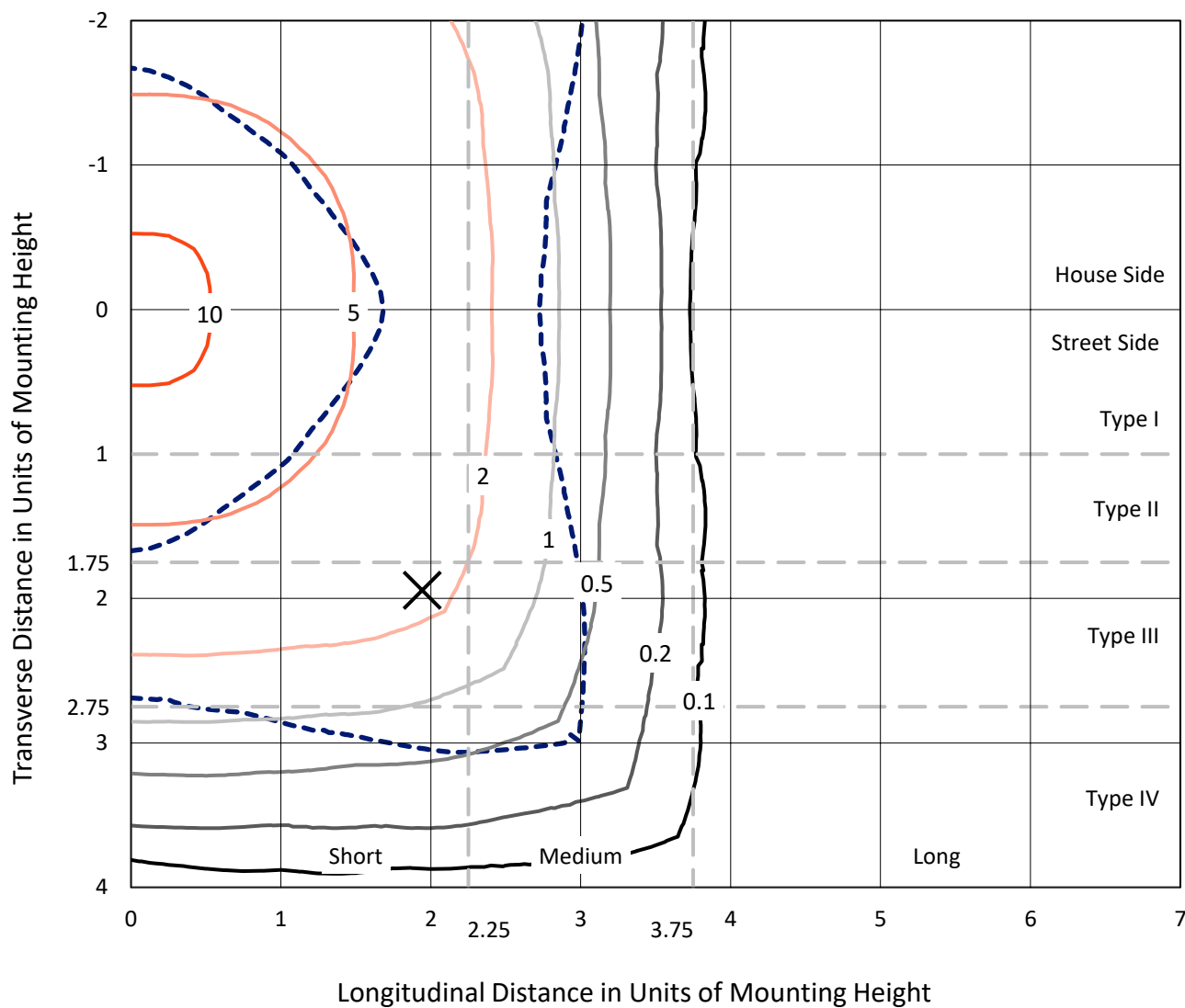
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## Iso-Footcandle Lines of Horizontal Illumination

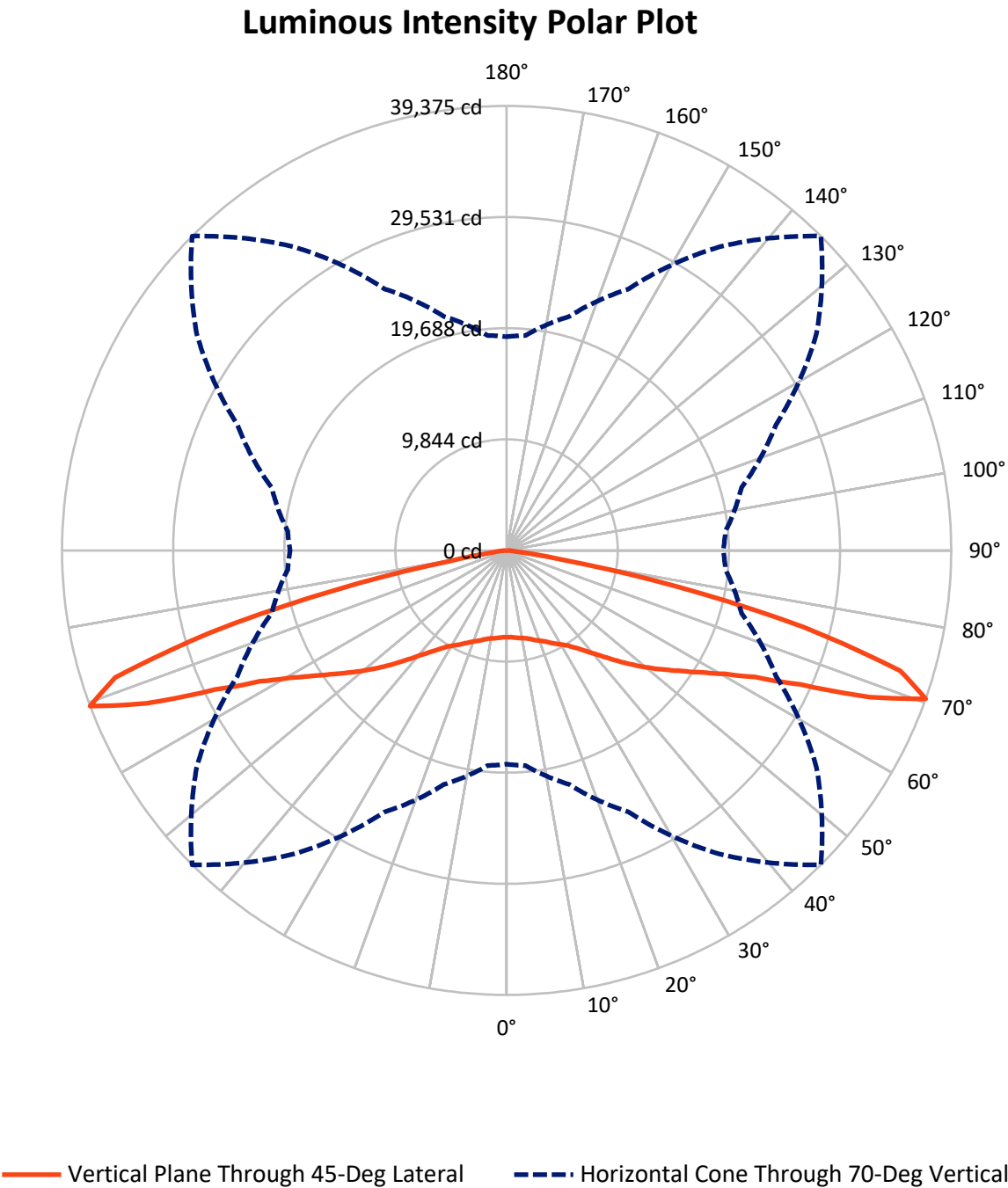
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.3 fc  
Type V - Short - N/A

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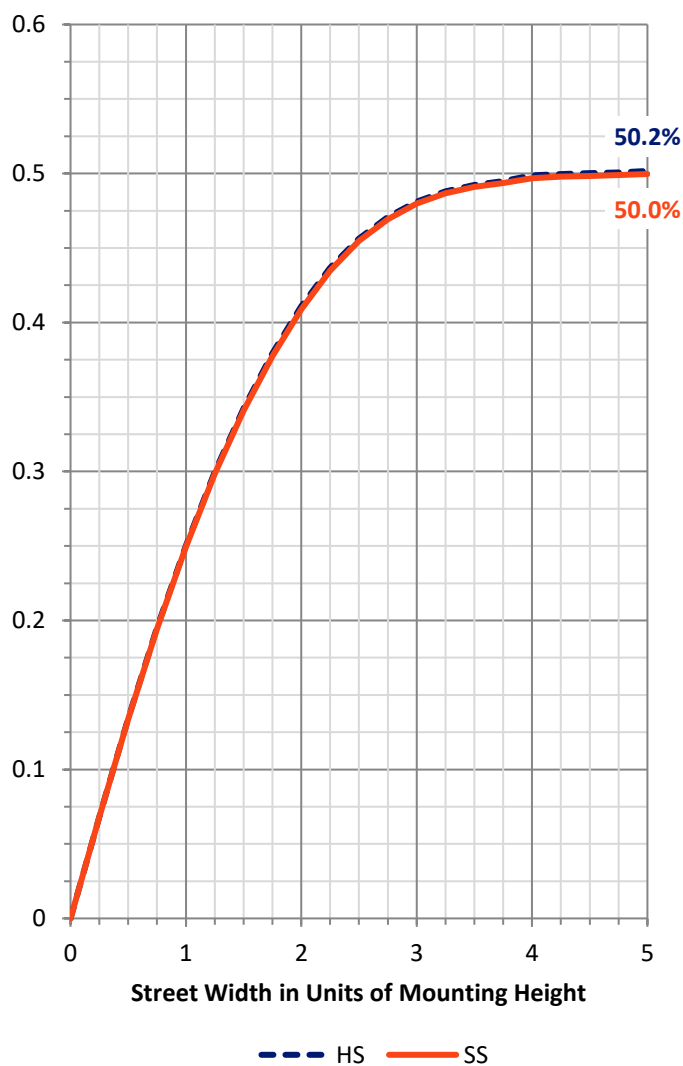
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 40093.0  | 0.0    | 40093.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 40093.0  | 0.0    | 40093.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 80186.0  | 0.0    | 80186.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 746.2   | 0.9       |
| 10°-20°   | 2313.9  | 2.9       |
| 20°-30°   | 4135.2  | 5.2       |
| 30°-40°   | 6703.1  | 8.4       |
| 40°-50°   | 10918.3 | 13.6      |
| 50°-60°   | 16646.8 | 20.8      |
| 60°-70°   | 24765.1 | 30.9      |
| 70°-80°   | 13497.8 | 16.8      |
| 80°-90°   | 459.6   | 0.6       |
| 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°    | 80186.0 | 100.0     |
| 0°-180°   | 80186.0 | 100.0     |

**Coefficient of Utilization**



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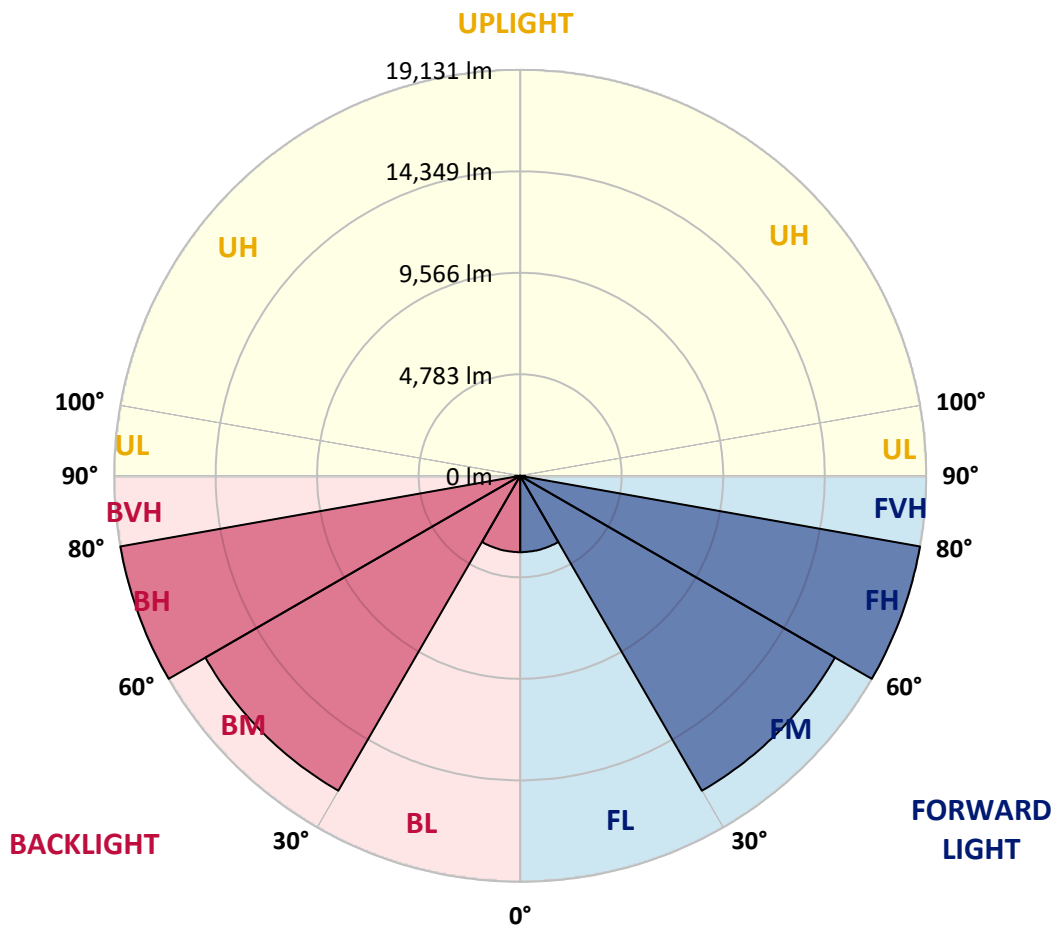
CATALOG NUMBER: GLAN-SB9D-722-U-5MQ

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|---------|-----------|-------------------------|------|--------|
|      |             |         |           | B                       | U    | G      |
| FL   | (0°-30°)    | 3597.7  | 4.5       |                         |      |        |
| FM   | (30°-60°)   | 17134.1 | 21.4      |                         |      |        |
| FH   | (60°-80°)   | 19131.4 | 23.9      |                         |      | G5     |
| FVH  | (80°-90°)   | 229.8   | 0.3       |                         |      | G3/500 |
| BL   | (0°-30°)    | 3597.7  | 4.5       | B4/5000                 |      |        |
| BM   | (30°-60°)   | 17134.1 | 21.4      | B5                      |      |        |
| BH   | (60°-80°)   | 19131.4 | 23.9      | B5                      |      | G5     |
| BVH  | (80°-90°)   | 229.8   | 0.3       |                         |      | G3/500 |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |        |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |        |

**BUG Rating: B5-U0-G5**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 7681.0  | 7681.0  | 7681.0  | 7681.0  | 7681.0  | 7681.0  | 7681.0  | 7681.0  | 7681.0  | 7681.0  |
| 2.5°  | 7717.2  | 7725.3  | 7709.2  | 7701.1  | 7693.1  | 7681.0  | 7685.0  | 7705.1  | 7721.2  | 7717.2  |
| 5°    | 7781.6  | 7789.7  | 7777.6  | 7773.6  | 7757.5  | 7753.5  | 7753.5  | 7773.6  | 7785.7  | 7777.6  |
| 7.5°  | 7854.1  | 7866.2  | 7846.0  | 7842.0  | 7834.0  | 7825.9  | 7821.9  | 7842.0  | 7854.1  | 7854.1  |
| 10°   | 7922.5  | 7934.6  | 7918.5  | 7906.4  | 7898.4  | 7898.4  | 7890.3  | 7906.4  | 7926.6  | 7922.5  |
| 12.5° | 7995.0  | 8003.0  | 7986.9  | 7978.9  | 7978.9  | 7991.0  | 7978.9  | 7986.9  | 8003.0  | 7995.0  |
| 15°   | 8083.6  | 8087.6  | 8083.6  | 8095.6  | 8115.8  | 8156.0  | 8119.8  | 8111.7  | 8119.8  | 8099.7  |
| 17.5° | 8204.3  | 8212.4  | 8228.5  | 8256.7  | 8284.8  | 8357.3  | 8292.9  | 8272.8  | 8272.8  | 8232.5  |
| 20°   | 8353.3  | 8365.4  | 8389.5  | 8437.8  | 8474.0  | 8542.5  | 8478.1  | 8449.9  | 8437.8  | 8385.5  |
| 22.5° | 8510.3  | 8530.4  | 8566.6  | 8631.0  | 8695.5  | 8759.9  | 8695.5  | 8647.2  | 8610.9  | 8542.5  |
| 25°   | 8691.4  | 8715.6  | 8771.9  | 8876.6  | 8965.2  | 9057.8  | 8981.3  | 8884.7  | 8812.2  | 8715.6  |
| 27.5° | 8949.1  | 8977.3  | 9045.7  | 9174.5  | 9287.2  | 9367.7  | 9295.3  | 9170.5  | 9069.8  | 8953.1  |
| 30°   | 9311.4  | 9339.6  | 9420.1  | 9557.0  | 9633.4  | 9685.8  | 9637.5  | 9540.9  | 9420.1  | 9287.2  |
| 32.5° | 9778.4  | 9814.6  | 9903.2  | 10032.0 | 10048.1 | 10056.1 | 10040.0 | 9991.7  | 9903.2  | 9742.1  |
| 35°   | 10370.1 | 10410.4 | 10511.0 | 10615.7 | 10599.6 | 10615.7 | 10591.6 | 10575.4 | 10511.0 | 10325.9 |
| 37.5° | 11094.8 | 11143.1 | 11247.7 | 11328.3 | 11288.0 | 11267.9 | 11271.9 | 11275.9 | 11239.7 | 11034.4 |
| 40°   | 11936.1 | 12000.5 | 12077.0 | 12161.6 | 12093.1 | 12032.7 | 12073.0 | 12105.2 | 12073.0 | 11863.7 |
| 42.5° | 12801.6 | 12894.2 | 12974.8 | 13095.5 | 13039.2 | 12962.7 | 13019.0 | 13055.3 | 12986.8 | 12761.4 |
| 45°   | 13763.8 | 13852.3 | 13957.0 | 14138.2 | 14097.9 | 14017.4 | 14097.9 | 14106.0 | 13989.2 | 13723.5 |
| 47.5° | 14758.1 | 14850.7 | 15007.7 | 15249.3 | 15233.2 | 15144.6 | 15249.3 | 15192.9 | 15043.9 | 14725.9 |
| 50°   | 15700.1 | 15829.0 | 16070.5 | 16408.7 | 16440.9 | 16332.2 | 16473.1 | 16364.4 | 16114.8 | 15716.2 |
| 52.5° | 16585.8 | 16722.7 | 17105.1 | 17564.0 | 17680.8 | 17539.9 | 17729.1 | 17539.9 | 17165.5 | 16654.2 |
| 55°   | 17515.7 | 17668.7 | 18123.6 | 18723.4 | 18956.9 | 18852.2 | 19029.4 | 18743.5 | 18212.2 | 17592.2 |
| 57.5° | 18610.7 | 18703.3 | 19246.8 | 19959.3 | 20353.8 | 20378.0 | 20458.5 | 19975.4 | 19331.3 | 18626.8 |
| 60°   | 19798.3 | 19927.1 | 20518.9 | 21372.3 | 21996.3 | 22197.6 | 22113.0 | 21396.5 | 20647.7 | 19838.5 |
| 62.5° | 21320.0 | 21460.9 | 22169.4 | 23191.9 | 24178.2 | 24677.4 | 24347.3 | 23308.7 | 22382.8 | 21412.6 |
| 65°   | 22580.0 | 22737.0 | 24017.2 | 25840.8 | 27636.3 | 28638.7 | 27809.4 | 25897.2 | 24230.5 | 22861.8 |
| 67.5° | 21666.2 | 21859.4 | 23868.2 | 27217.6 | 31682.1 | 34673.1 | 31835.0 | 27628.2 | 24363.4 | 22507.6 |
| 70°   | 18936.8 | 19117.9 | 21460.9 | 25555.0 | 32821.3 | 39375.1 | 33505.7 | 26307.8 | 21537.4 | 19460.1 |
| 72.5° | 12572.2 | 13155.9 | 15527.0 | 20438.4 | 29306.9 | 36436.4 | 29596.8 | 20023.7 | 14403.9 | 12544.0 |
| 75°   | 4170.6  | 4637.6  | 6255.9  | 10595.6 | 19629.2 | 27249.8 | 18687.2 | 9375.8  | 4955.6  | 3566.7  |
| 77.5° | 1050.7  | 1211.7  | 1670.7  | 3031.3  | 7829.9  | 15515.0 | 7049.0  | 2475.8  | 1348.6  | 942.0   |
| 80°   | 511.3   | 563.6   | 805.1   | 1010.4  | 1960.5  | 4931.5  | 1839.7  | 950.1   | 636.1   | 491.1   |
| 82.5° | 281.8   | 285.8   | 454.9   | 571.6   | 728.6   | 1276.1  | 756.8   | 555.5   | 366.3   | 297.9   |
| 85°   | 173.1   | 169.1   | 241.5   | 306.0   | 306.0   | 454.9   | 362.3   | 306.0   | 209.3   | 185.2   |
| 87.5° | 68.4    | 68.4    | 88.6    | 96.6    | 84.5    | 116.7   | 92.6    | 100.6   | 80.5    | 76.5    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END C

| 90°     |
|---------|
| 7681.0  |
| 7721.2  |
| 7781.6  |
| 7854.1  |
| 7922.5  |
| 7991.0  |
| 8099.7  |
| 8232.5  |
| 8385.5  |
| 8538.5  |
| 8711.6  |
| 8949.1  |
| 9287.2  |
| 9746.2  |
| 10325.9 |
| 11034.4 |
| 11863.7 |
| 12777.5 |
| 13751.7 |
| 14705.8 |
| 15708.2 |
| 16605.9 |
| 17507.7 |
| 18530.2 |
| 19709.7 |
| 21243.5 |
| 22636.4 |
| 22229.8 |
| 19182.3 |
| 12137.4 |
| 3373.5  |
| 841.4   |
| 450.9   |
| 297.9   |
| 193.2   |
| 80.5    |
| 0.0     |

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