

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: P954806

Luminaire Tested: **GLAN-SB7D-950-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954806  
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-SB7D-950-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 52754 lumens  
Efficiency: N/A  
Efficacy: 102.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

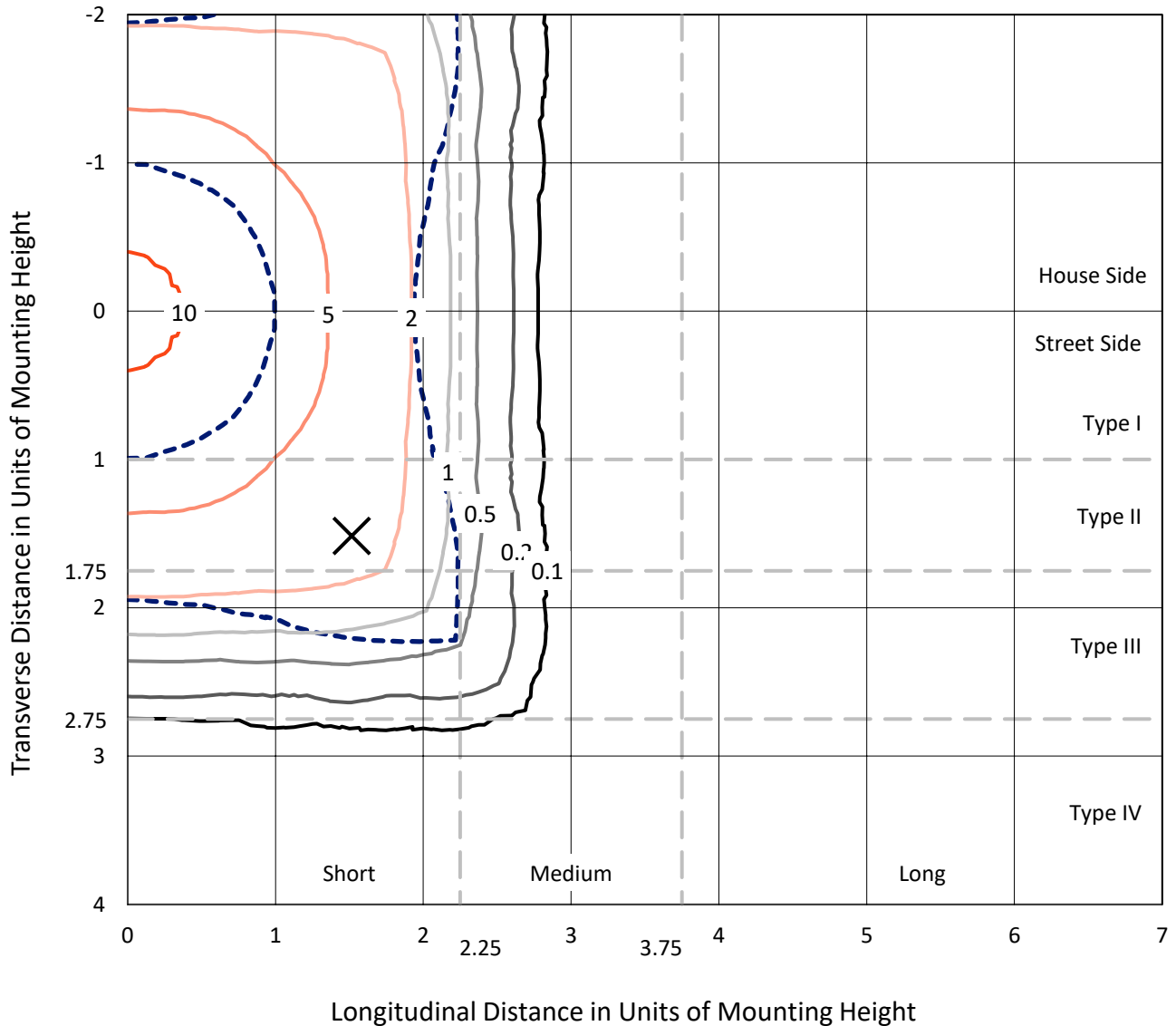
Input Watts (W): 512.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

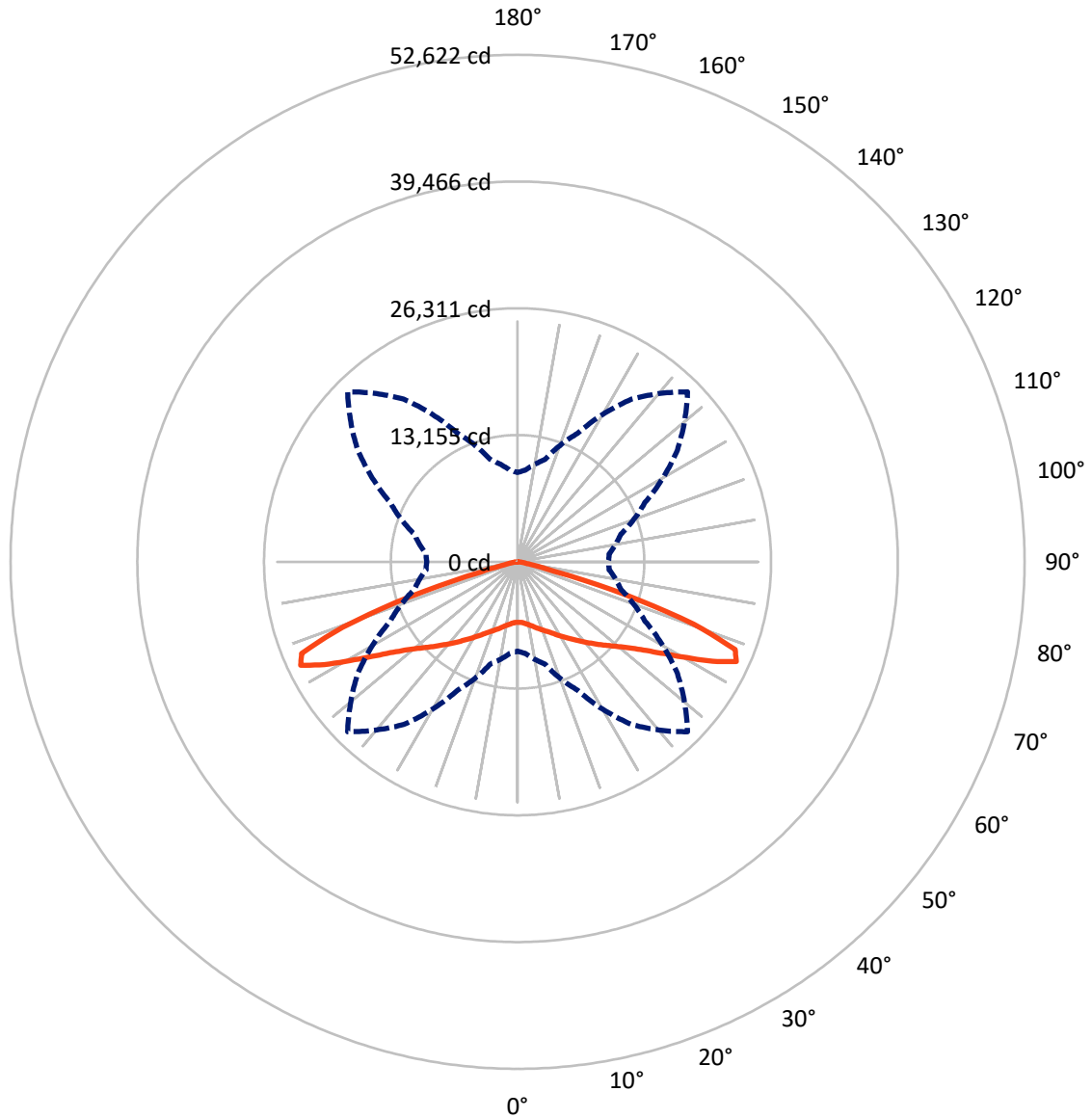
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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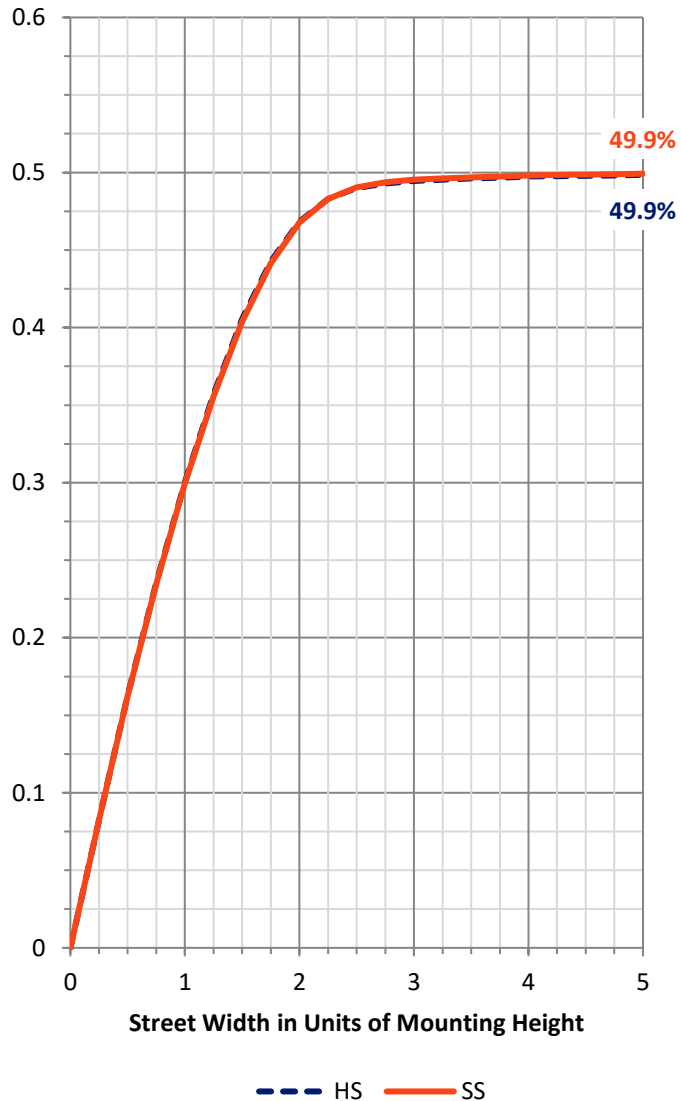
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 26377.0  | 0.0    | 26377.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 26377.0  | 0.0    | 26377.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 52754.0  | 0.0    | 52754.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 619.6   | 1.2       |
| 10°-20°   | 2021.8  | 3.8       |
| 20°-30°   | 3817.4  | 7.2       |
| 30°-40°   | 6250.9  | 11.8      |
| 40°-50°   | 9692.0  | 18.4      |
| 50°-60°   | 14317.2 | 27.1      |
| 60°-70°   | 13628.6 | 25.8      |
| 70°-80°   | 2199.2  | 4.2       |
| 80°-90°   | 207.3   | 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°    | 52754.0 | 100.0     |
| 0°-180°   | 52754.0 | 100.0     |

**Coefficient of Utilization**



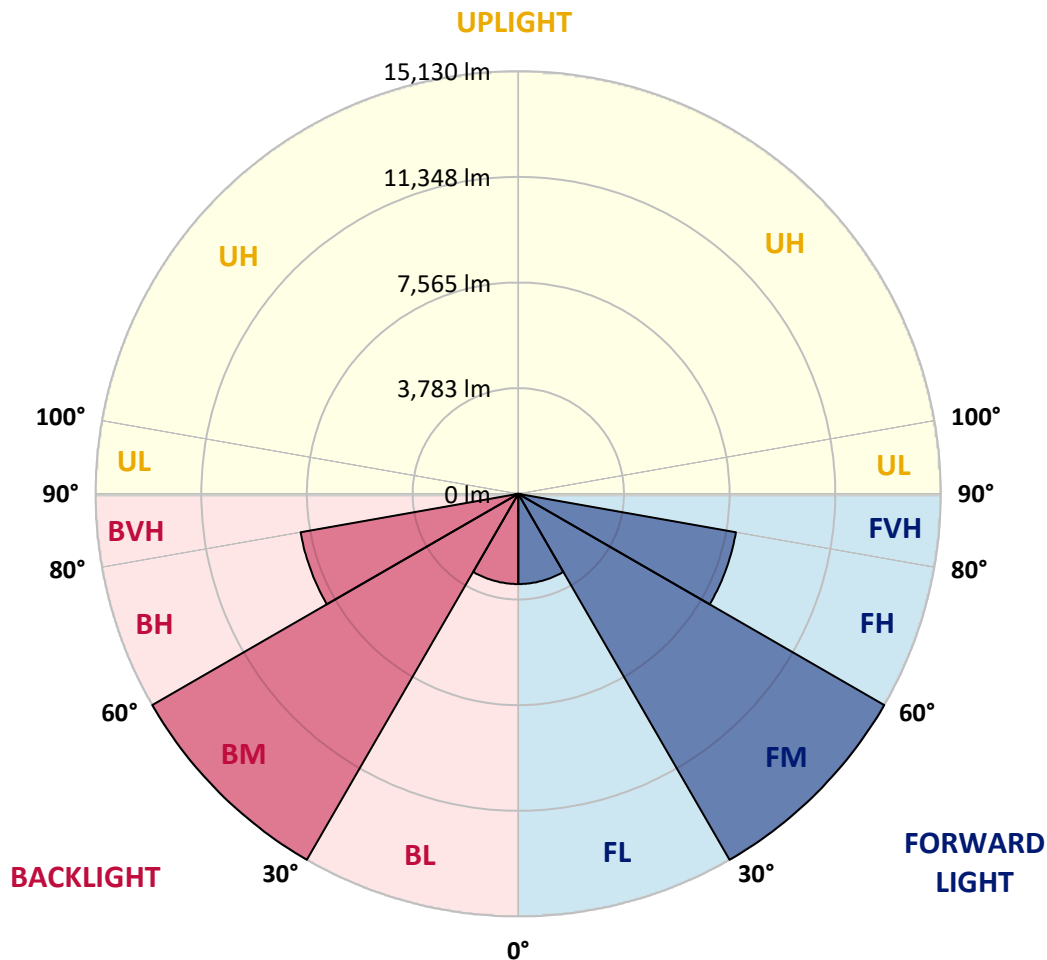
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|----------------|---------|-----------|-------------------------|------|----------|
|                |         |           | B                       | U    | G        |
| FL (0°-30°)    | 3229.4  | 6.1       |                         |      |          |
| FM (30°-60°)   | 15130.1 | 28.7      |                         |      |          |
| FH (60°-80°)   | 7913.9  | 15.0      |                         |      | G4/12000 |
| FVH (80°-90°)  | 103.6   | 0.2       |                         |      | G2/225   |
| BL (0°-30°)    | 3229.4  | 6.1       | B4/5000                 |      |          |
| BM (30°-60°)   | 15130.1 | 28.7      | B5                      |      |          |
| BH (60°-80°)   | 7913.9  | 15.0      | B5                      |      | G4/12000 |
| BVH (80°-90°)  | 103.6   | 0.2       |                         |      | G2/225   |
| UL (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B5-U0-G4**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 6278.3  | 6278.3  | 6278.3  | 6278.3  | 6278.3  | 6278.3  | 6278.3  | 6278.3  | 6278.3  | 6278.3  |
| 2.5°  | 6320.6  | 6299.4  | 6315.3  | 6302.1  | 6291.5  | 6280.9  | 6286.2  | 6304.7  | 6312.7  | 6315.3  |
| 5°    | 6405.3  | 6386.8  | 6394.7  | 6394.7  | 6376.2  | 6370.9  | 6373.5  | 6386.8  | 6402.7  | 6402.7  |
| 7.5°  | 6542.9  | 6524.4  | 6542.9  | 6532.3  | 6516.5  | 6511.2  | 6508.5  | 6519.1  | 6542.9  | 6542.9  |
| 10°   | 6709.7  | 6688.5  | 6699.1  | 6693.8  | 6675.3  | 6667.3  | 6664.7  | 6680.6  | 6701.7  | 6699.1  |
| 12.5° | 6892.3  | 6868.5  | 6881.7  | 6865.8  | 6860.6  | 6852.6  | 6852.6  | 6850.0  | 6863.2  | 6852.6  |
| 15°   | 7096.1  | 7080.2  | 7085.5  | 7074.9  | 7082.9  | 7077.6  | 7056.4  | 7045.8  | 7051.1  | 7035.2  |
| 17.5° | 7337.0  | 7299.9  | 7318.5  | 7313.2  | 7313.2  | 7323.7  | 7289.3  | 7276.1  | 7286.7  | 7270.8  |
| 20°   | 7614.9  | 7577.8  | 7585.8  | 7575.2  | 7562.0  | 7572.5  | 7530.2  | 7540.8  | 7548.7  | 7538.1  |
| 22.5° | 7919.3  | 7871.6  | 7869.0  | 7874.3  | 7845.2  | 7847.8  | 7818.7  | 7845.2  | 7861.1  | 7831.9  |
| 25°   | 8231.6  | 8181.3  | 8215.7  | 8202.5  | 8165.4  | 8173.4  | 8152.2  | 8178.7  | 8191.9  | 8154.8  |
| 27.5° | 8562.5  | 8528.0  | 8559.8  | 8567.8  | 8522.8  | 8554.5  | 8522.8  | 8546.6  | 8559.8  | 8504.2  |
| 30°   | 8948.9  | 8914.5  | 8943.6  | 8964.8  | 8911.8  | 8962.1  | 8935.7  | 8951.5  | 8954.2  | 8888.0  |
| 32.5° | 9369.7  | 9316.8  | 9390.9  | 9401.5  | 9343.3  | 9404.1  | 9369.7  | 9390.9  | 9404.1  | 9314.2  |
| 35°   | 9883.2  | 9817.1  | 9901.7  | 9888.5  | 9838.2  | 9888.5  | 9856.8  | 9888.5  | 9920.3  | 9811.8  |
| 37.5° | 10436.4 | 10367.6 | 10457.6 | 10433.8 | 10386.1 | 10420.5 | 10402.0 | 10423.2 | 10473.5 | 10357.0 |
| 40°   | 11045.2 | 10960.5 | 11082.2 | 11039.9 | 10994.9 | 10989.6 | 11000.2 | 11013.4 | 11079.6 | 10949.9 |
| 42.5° | 11696.3 | 11606.3 | 11788.9 | 11722.8 | 11659.2 | 11616.9 | 11651.3 | 11677.8 | 11741.3 | 11595.7 |
| 45°   | 12440.0 | 12336.8 | 12575.0 | 12495.6 | 12395.1 | 12307.7 | 12363.3 | 12403.0 | 12495.6 | 12320.9 |
| 47.5° | 13260.6 | 13144.1 | 13398.2 | 13374.4 | 13210.3 | 13019.7 | 13146.7 | 13260.6 | 13329.4 | 13117.6 |
| 50°   | 14062.5 | 13972.6 | 14306.1 | 14335.2 | 14134.0 | 13866.7 | 14044.0 | 14216.1 | 14234.6 | 13956.7 |
| 52.5° | 14814.2 | 14724.3 | 15208.6 | 15391.2 | 15211.3 | 14893.6 | 15081.6 | 15256.3 | 15116.0 | 14756.0 |
| 55°   | 15415.1 | 15341.0 | 15957.7 | 16428.8 | 16489.7 | 16227.6 | 16338.8 | 16333.5 | 15873.0 | 15319.8 |
| 57.5° | 15560.6 | 15550.1 | 16328.2 | 17326.1 | 17961.3 | 17993.1 | 17773.4 | 17212.3 | 16219.7 | 15475.9 |
| 60°   | 14898.9 | 14965.1 | 16034.4 | 17794.6 | 19488.5 | 20192.6 | 19242.4 | 17641.0 | 15825.3 | 14793.1 |
| 62.5° | 12919.1 | 13093.8 | 14382.8 | 17222.8 | 20721.9 | 22722.9 | 20420.2 | 16989.9 | 14205.5 | 12858.2 |
| 65°   | 9258.6  | 9563.0  | 10986.9 | 14697.8 | 20610.8 | 24946.3 | 20250.8 | 14578.7 | 11092.8 | 9539.1  |
| 67.5° | 4200.5  | 4510.2  | 5719.8  | 10063.2 | 17916.3 | 24342.8 | 17874.0 | 10169.1 | 6005.6  | 4526.1  |
| 70°   | 1521.9  | 1574.9  | 1963.9  | 4028.5  | 11450.1 | 19395.9 | 11939.8 | 4057.6  | 2088.3  | 1678.1  |
| 72.5° | 921.1   | 929.0   | 1011.1  | 1442.5  | 3978.2  | 11775.7 | 4147.6  | 1490.2  | 1032.3  | 915.8   |
| 75°   | 584.9   | 579.7   | 719.9   | 881.4   | 1410.8  | 3972.9  | 1479.6  | 881.4   | 717.3   | 653.8   |
| 77.5° | 420.8   | 434.1   | 516.1   | 659.1   | 889.3   | 1347.2  | 873.5   | 629.9   | 516.1   | 423.5   |
| 80°   | 315.0   | 322.9   | 375.8   | 513.5   | 624.6   | 839.0   | 555.8   | 465.8   | 389.1   | 264.7   |
| 82.5° | 227.6   | 227.6   | 246.2   | 373.2   | 381.1   | 452.6   | 301.7   | 328.2   | 256.7   | 187.9   |
| 85°   | 135.0   | 132.3   | 153.5   | 222.3   | 198.5   | 166.7   | 137.6   | 201.2   | 161.5   | 116.5   |
| 87.5° | 47.6    | 50.3    | 47.6    | 63.5    | 52.9    | 45.0    | 42.3    | 55.6    | 45.0    | 39.7    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END C

| 90°     |
|---------|
| 6278.3  |
| 6315.3  |
| 6402.7  |
| 6535.0  |
| 6693.8  |
| 6857.9  |
| 7037.9  |
| 7284.0  |
| 7562.0  |
| 7861.1  |
| 8197.2  |
| 8546.6  |
| 8927.7  |
| 9375.0  |
| 9877.9  |
| 10428.5 |
| 10992.2 |
| 11672.5 |
| 12410.9 |
| 13189.1 |
| 13991.1 |
| 14766.6 |
| 15338.3 |
| 15428.3 |
| 14671.3 |
| 12778.8 |
| 9425.3  |
| 4459.9  |
| 1656.9  |
| 931.7   |
| 659.1   |
| 431.4   |
| 272.6   |
| 187.9   |
| 113.8   |
| 37.1    |
| 0.0     |

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