

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: P957452

Luminaire Tested: **GLAN-SB9D-760-U-5NQ**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P957452  
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-SB9D-760-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 5700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 102756 lumens  
Efficiency: N/A  
Efficacy: 156.2 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

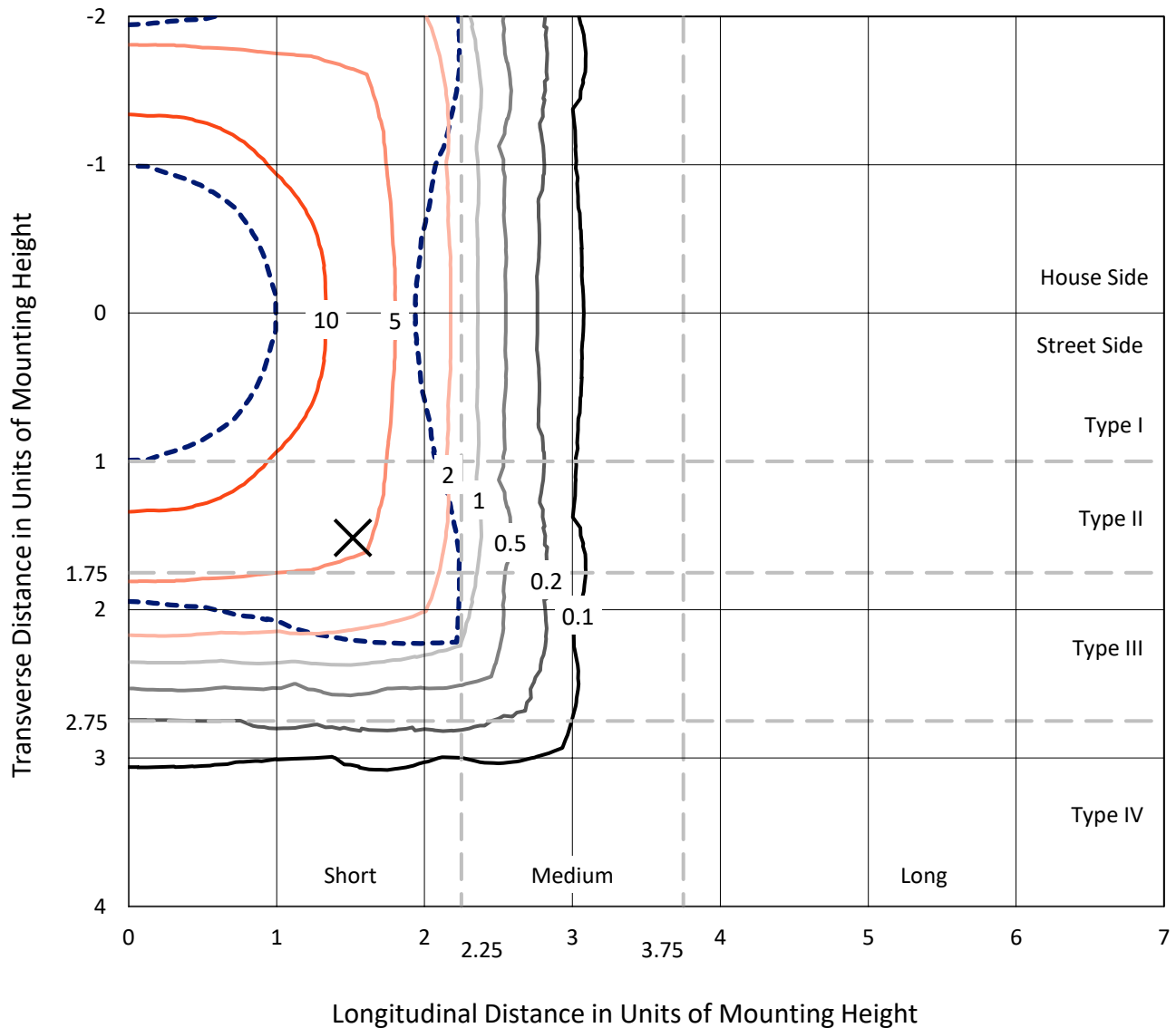


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

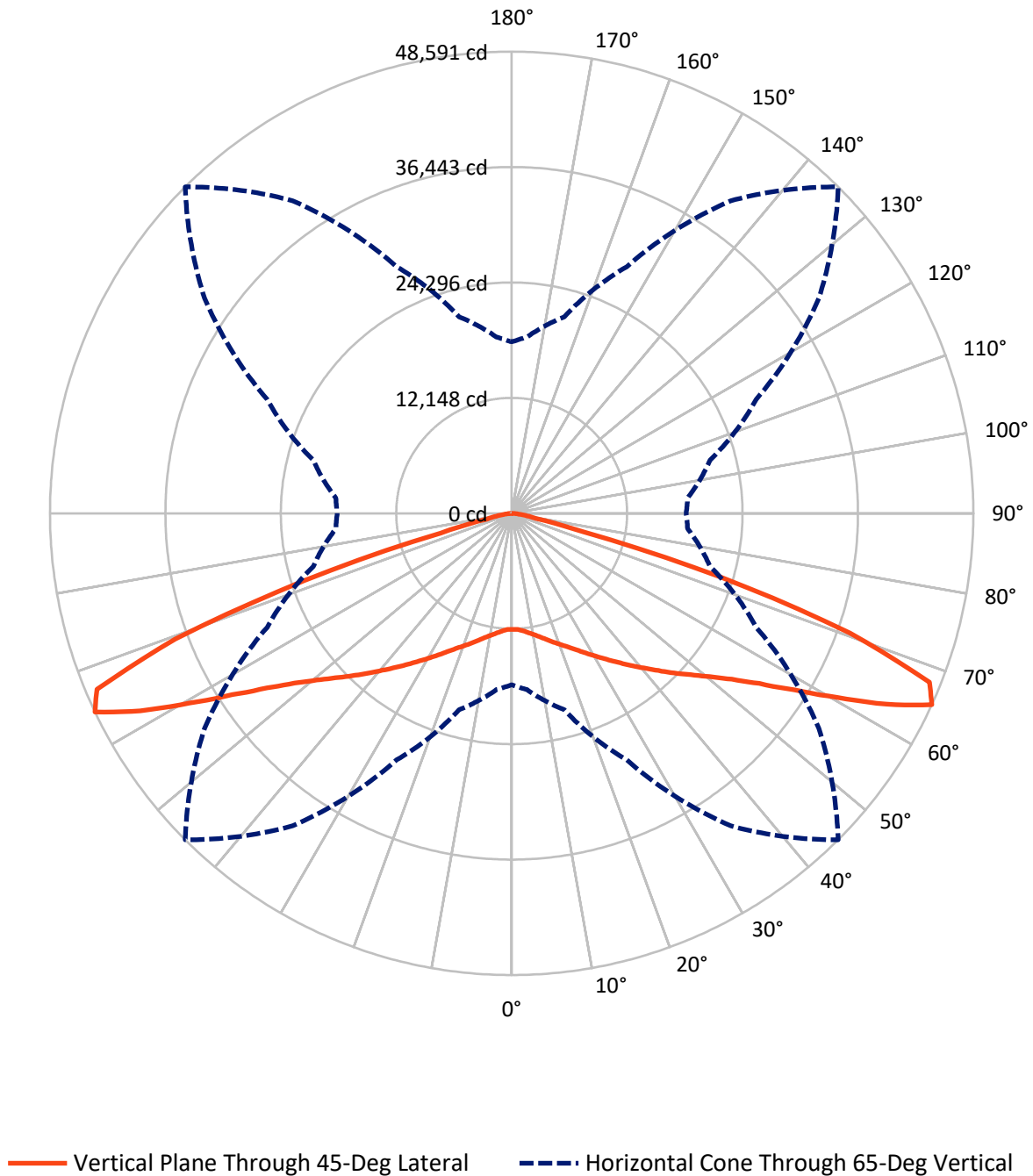


Based on 25 foot mounting height. Maximum calculated value = 20 fc  
Type V - Short - N/A

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## Luminous Intensity Polar Plot



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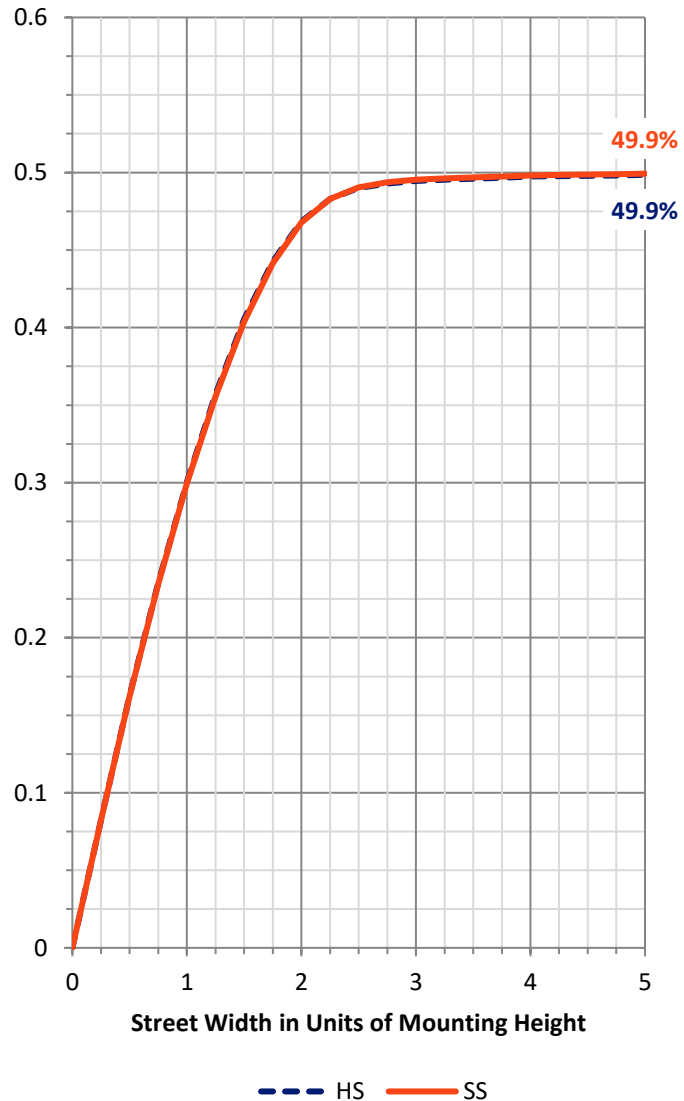
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total    |
|--------------------|-----------|----------|--------|----------|
| <b>House Side</b>  | Lumens    | 51378.0  | 0.0    | 51378.0  |
|                    | % Fixture | 50.0     | 0.0    | 50.0     |
| <b>Street Side</b> | Lumens    | 51378.0  | 0.0    | 51378.0  |
|                    | % Fixture | 50.0     | 0.0    | 50.0     |
| <b>Total</b>       | Lumens    | 102756.0 | 0.0    | 102756.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0    |

**ZONAL LUMENS:**

| Zone      | Lumens   | % Fixture |
|-----------|----------|-----------|
| 0°-10°    | 1206.9   | 1.2       |
| 10°-20°   | 3938.2   | 3.8       |
| 20°-30°   | 7435.7   | 7.2       |
| 30°-40°   | 12175.7  | 11.8      |
| 40°-50°   | 18878.5  | 18.4      |
| 50°-60°   | 27887.5  | 27.1      |
| 60°-70°   | 26546.3  | 25.8      |
| 70°-80°   | 4283.6   | 4.2       |
| 80°-90°   | 403.8    | 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°    | 102756.0 | 100.0     |
| 0°-180°   | 102756.0 | 100.0     |

**Coefficient of Utilization**



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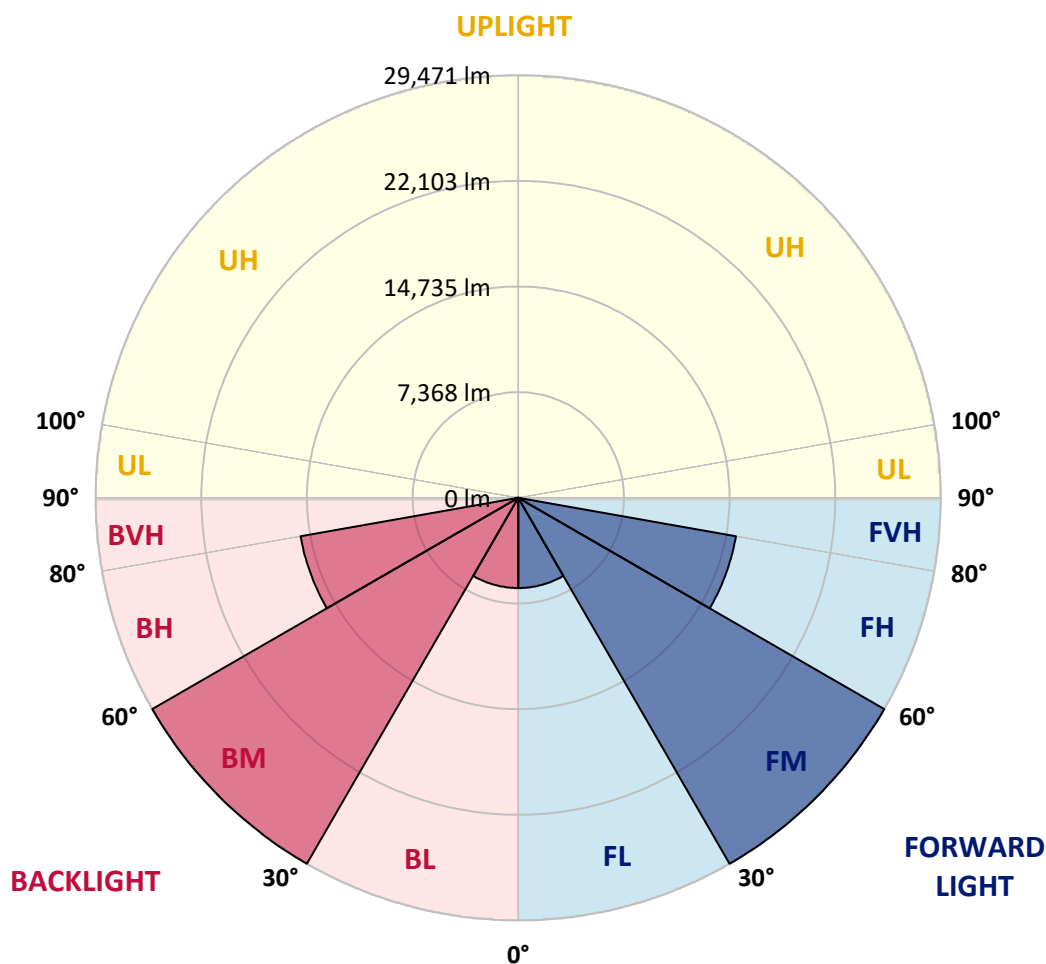
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|---------|-----------|-------------------------|------|--------|
|      |             |         |           | B                       | U    | G      |
| FL   | (0°-30°)    | 6290.4  | 6.1       |                         |      |        |
| FM   | (30°-60°)   | 29470.8 | 28.7      |                         |      |        |
| FH   | (60°-80°)   | 15414.9 | 15.0      |                         |      | G5     |
| FVH  | (80°-90°)   | 201.9   | 0.2       |                         |      | G2/225 |
| BL   | (0°-30°)    | 6290.4  | 6.1       | B5                      |      |        |
| BM   | (30°-60°)   | 29470.8 | 28.7      | B5                      |      |        |
| BH   | (60°-80°)   | 15414.9 | 15.0      | B5                      |      | G5     |
| BVH  | (80°-90°)   | 201.9   | 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-G5**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 12229.0 | 12229.0 | 12229.0 | 12229.0 | 12229.0 | 12229.0 | 12229.0 | 12229.0 | 12229.0 | 12229.0 |
| 2.5°  | 12311.5 | 12270.2 | 12301.2 | 12275.4 | 12254.8 | 12234.1 | 12244.5 | 12280.5 | 12296.0 | 12301.2 |
| 5°    | 12476.5 | 12440.4 | 12455.8 | 12455.8 | 12419.7 | 12409.4 | 12414.6 | 12440.4 | 12471.3 | 12471.3 |
| 7.5°  | 12744.5 | 12708.5 | 12744.5 | 12723.9 | 12693.0 | 12682.7 | 12677.5 | 12698.1 | 12744.5 | 12744.5 |
| 10°   | 13069.3 | 13028.1 | 13048.7 | 13038.4 | 13002.3 | 12986.9 | 12981.7 | 13012.6 | 13053.9 | 13048.7 |
| 12.5° | 13425.1 | 13378.7 | 13404.5 | 13373.5 | 13363.2 | 13347.7 | 13347.7 | 13342.6 | 13368.4 | 13347.7 |
| 15°   | 13822.1 | 13791.1 | 13801.4 | 13780.8 | 13796.3 | 13786.0 | 13744.7 | 13724.1 | 13734.4 | 13703.5 |
| 17.5° | 14291.2 | 14219.0 | 14255.1 | 14244.8 | 14244.8 | 14265.4 | 14198.4 | 14172.6 | 14193.3 | 14162.3 |
| 20°   | 14832.6 | 14760.4 | 14775.8 | 14755.2 | 14729.4 | 14750.1 | 14667.6 | 14688.2 | 14703.7 | 14683.0 |
| 22.5° | 15425.4 | 15332.6 | 15327.5 | 15337.8 | 15281.1 | 15286.2 | 15229.5 | 15281.1 | 15312.0 | 15255.3 |
| 25°   | 16033.8 | 15935.8 | 16002.9 | 15977.1 | 15904.9 | 15920.4 | 15879.1 | 15930.7 | 15956.5 | 15884.3 |
| 27.5° | 16678.2 | 16611.2 | 16673.1 | 16688.6 | 16600.9 | 16662.8 | 16600.9 | 16647.3 | 16673.1 | 16564.8 |
| 30°   | 17431.0 | 17363.9 | 17420.6 | 17461.9 | 17358.8 | 17456.7 | 17405.2 | 17436.1 | 17441.3 | 17312.4 |
| 32.5° | 18250.7 | 18147.6 | 18291.9 | 18312.6 | 18199.1 | 18317.7 | 18250.7 | 18291.9 | 18317.7 | 18142.4 |
| 35°   | 19250.9 | 19122.0 | 19287.0 | 19261.2 | 19163.2 | 19261.2 | 19199.3 | 19261.2 | 19323.0 | 19111.7 |
| 37.5° | 20328.4 | 20194.3 | 20369.6 | 20323.2 | 20230.4 | 20297.4 | 20261.4 | 20302.6 | 20400.6 | 20173.7 |
| 40°   | 21514.2 | 21349.2 | 21586.3 | 21503.8 | 21416.2 | 21405.9 | 21426.5 | 21452.3 | 21581.2 | 21328.6 |
| 42.5° | 22782.4 | 22607.1 | 22962.9 | 22834.0 | 22710.2 | 22627.8 | 22694.8 | 22746.3 | 22870.1 | 22586.5 |
| 45°   | 24231.1 | 24030.1 | 24494.1 | 24339.4 | 24143.5 | 23973.4 | 24081.6 | 24159.0 | 24339.4 | 23999.1 |
| 47.5° | 25829.4 | 25602.5 | 26097.5 | 26051.1 | 25731.4 | 25360.2 | 25607.7 | 25829.4 | 25963.4 | 25551.0 |
| 50°   | 27391.5 | 27216.2 | 27865.8 | 27922.5 | 27530.7 | 27010.0 | 27355.4 | 27690.5 | 27726.6 | 27185.3 |
| 52.5° | 28855.7 | 28680.4 | 29623.9 | 29979.6 | 29629.0 | 29010.3 | 29376.4 | 29716.7 | 29443.4 | 28742.3 |
| 55°   | 30026.0 | 29881.6 | 31082.9 | 32000.6 | 32119.1 | 31608.7 | 31825.3 | 31815.0 | 30917.9 | 29840.4 |
| 57.5° | 30309.5 | 30288.9 | 31804.7 | 33748.3 | 34985.6 | 35047.5 | 34619.6 | 33526.6 | 31593.3 | 30144.6 |
| 60°   | 29020.7 | 29149.5 | 31232.4 | 34660.8 | 37960.4 | 39331.8 | 37480.9 | 34361.8 | 30825.1 | 28814.4 |
| 62.5° | 25164.3 | 25504.6 | 28015.3 | 33547.2 | 40362.9 | 44260.5 | 39775.2 | 33093.5 | 27669.9 | 25045.7 |
| 65°   | 18034.2 | 18627.0 | 21400.7 | 28628.8 | 40146.4 | 48591.2 | 39445.2 | 28396.8 | 21607.0 | 18580.6 |
| 67.5° | 8181.9  | 8785.1  | 11141.2 | 19601.4 | 34898.0 | 47415.7 | 34815.5 | 19807.7 | 11698.0 | 8816.0  |
| 70°   | 2964.4  | 3067.6  | 3825.4  | 7846.8  | 22303.0 | 37780.0 | 23256.7 | 7903.5  | 4067.7  | 3268.6  |
| 72.5° | 1794.1  | 1809.6  | 1969.4  | 2809.8  | 7748.8  | 22937.1 | 8078.8  | 2902.6  | 2010.7  | 1783.8  |
| 75°   | 1139.4  | 1129.1  | 1402.3  | 1716.8  | 2747.9  | 7738.5  | 2882.0  | 1716.8  | 1397.2  | 1273.4  |
| 77.5° | 819.7   | 845.5   | 1005.3  | 1283.7  | 1732.3  | 2624.2  | 1701.3  | 1227.0  | 1005.3  | 824.9   |
| 80°   | 613.5   | 629.0   | 732.1   | 1000.2  | 1216.7  | 1634.3  | 1082.7  | 907.4   | 757.9   | 515.6   |
| 82.5° | 443.4   | 443.4   | 479.5   | 726.9   | 742.4   | 881.6   | 587.7   | 639.3   | 500.1   | 366.0   |
| 85°   | 262.9   | 257.8   | 299.0   | 433.1   | 386.7   | 324.8   | 268.1   | 391.8   | 314.5   | 226.8   |
| 87.5° | 92.8    | 98.0    | 92.8    | 123.7   | 103.1   | 87.6    | 82.5    | 108.3   | 87.6    | 77.3    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END C

| 90°     |
|---------|
| 12229.0 |
| 12301.2 |
| 12471.3 |
| 12729.1 |
| 13038.4 |
| 13358.1 |
| 13708.6 |
| 14188.1 |
| 14729.4 |
| 15312.0 |
| 15966.8 |
| 16647.3 |
| 17389.7 |
| 18261.0 |
| 19240.6 |
| 20312.9 |
| 21411.0 |
| 22736.0 |
| 24174.4 |
| 25690.2 |
| 27252.3 |
| 28762.9 |
| 29876.5 |
| 30051.8 |
| 28577.3 |
| 24891.1 |
| 18359.0 |
| 8687.1  |
| 3227.4  |
| 1814.8  |
| 1283.7  |
| 840.4   |
| 531.0   |
| 366.0   |
| 221.7   |
| 72.2    |
| 0.0     |