

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: P942503

Luminaire Tested: **GLAN-SB6C-750-U-T1**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P942503  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6C-750-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 47531 lumens  
Efficiency: N/A  
Efficacy: 158.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

Input Watts (W): 300.9  
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

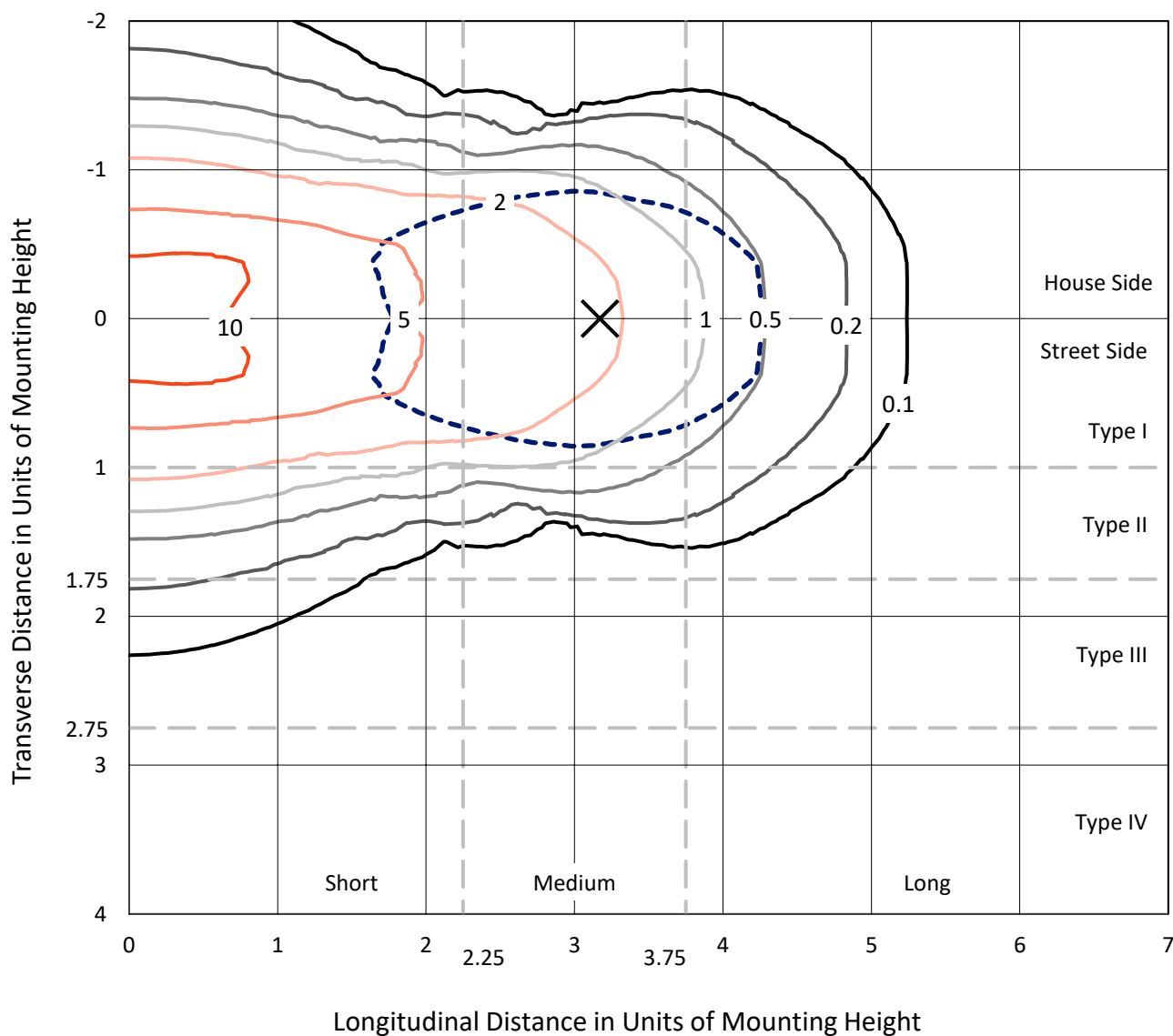


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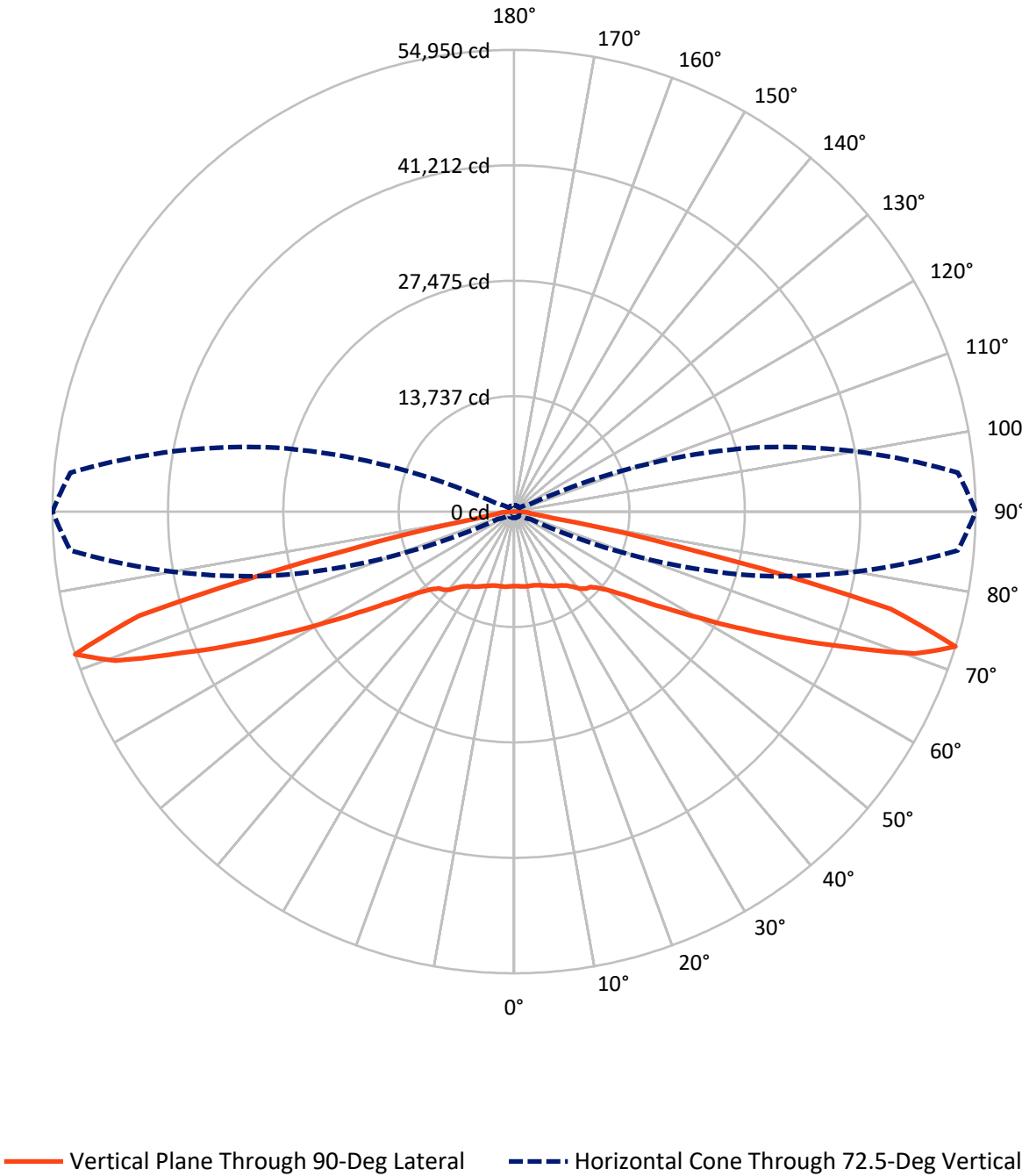
## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd



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Luminous Intensity Polar Plot



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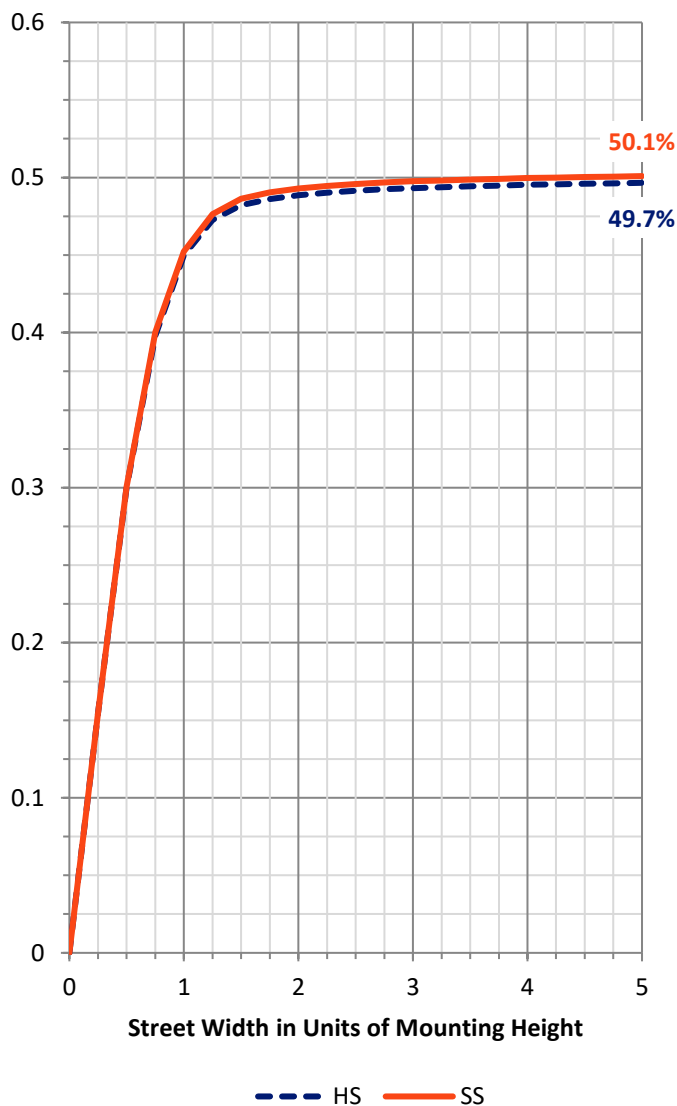
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 23765.5  | 0.0    | 23765.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 23765.5  | 0.0    | 23765.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 47531.0  | 0.0    | 47531.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 861.2   | 1.8       |
| 10°-20°   | 2633.2  | 5.5       |
| 20°-30°   | 4390.6  | 9.2       |
| 30°-40°   | 6038.4  | 12.7      |
| 40°-50°   | 7374.5  | 15.5      |
| 50°-60°   | 8529.4  | 17.9      |
| 60°-70°   | 10169.9 | 21.4      |
| 70°-80°   | 7097.9  | 14.9      |
| 80°-90°   | 436.0   | 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°    | 47531.0 | 100.0     |
| 0°-180°   | 47531.0 | 100.0     |

**Coefficient of Utilization**



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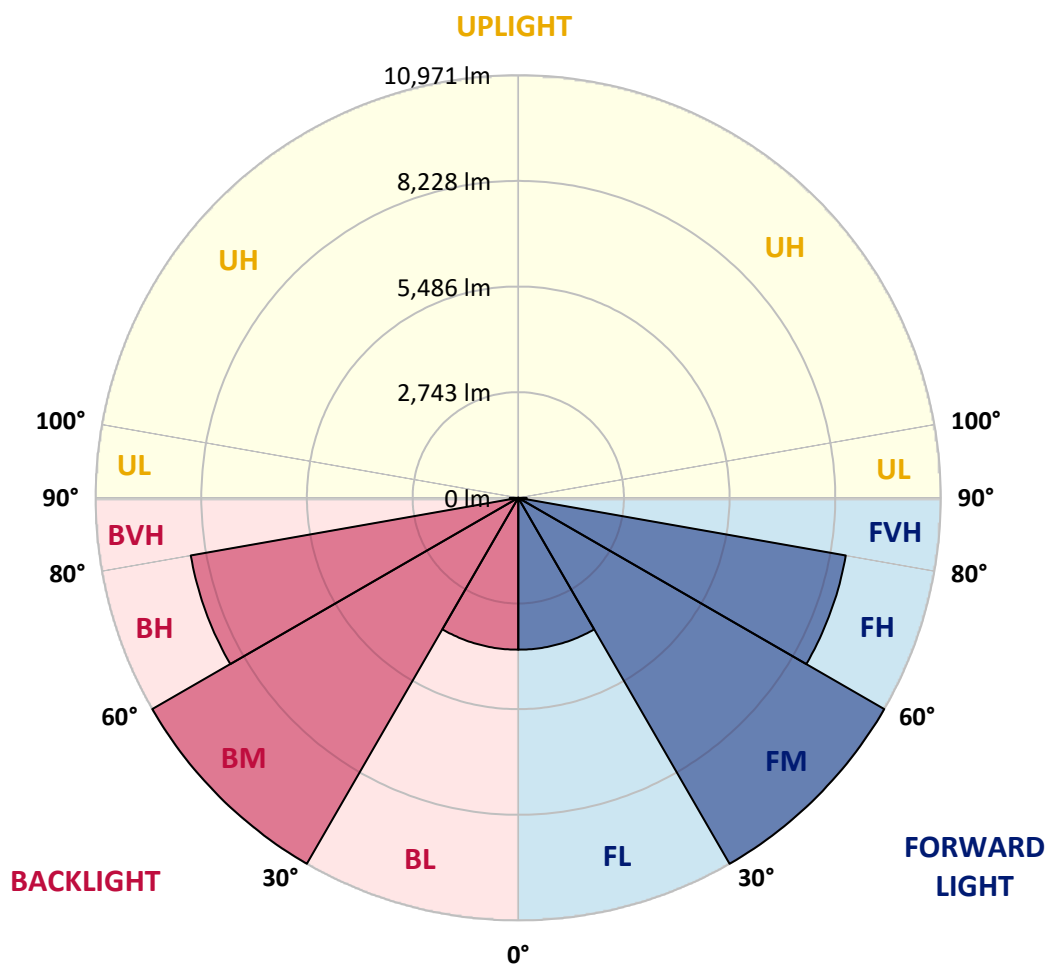
CATALOG NUMBER: GLAN-SB6C-750-U-T1

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 3942.5  | 8.3       |                         |      |          |
| FM   | (30°-60°)   | 10971.1 | 23.1      |                         |      |          |
| FH   | (60°-80°)   | 8633.9  | 18.2      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 218.0   | 0.5       |                         |      | G2/225   |
| BL   | (0°-30°)    | 3942.5  | 8.3       | B4/5000                 |      |          |
| BM   | (30°-60°)   | 10971.1 | 23.1      | B5                      |      |          |
| BH   | (60°-80°)   | 8633.9  | 18.2      | B5                      |      | G5       |
| BVH  | (80°-90°)   | 218.0   | 0.5       |                         |      | 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 I Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| 0°    | 8881.7 | 8881.7 | 8881.7 | 8881.7 | 8881.7 | 8881.7  | 8881.7  | 8881.7  | 8881.7  | 8881.7  |
| 2.5°  | 8889.2 | 8899.4 | 8899.4 | 8891.8 | 8909.5 | 8894.3  | 8894.3  | 8886.7  | 8894.3  | 8886.7  |
| 5°    | 8934.7 | 8947.3 | 8952.4 | 8949.9 | 8972.6 | 8960.0  | 8960.0  | 8949.9  | 8952.4  | 8944.8  |
| 7.5°  | 9020.6 | 9038.3 | 9048.4 | 9061.0 | 9093.9 | 9078.7  | 9068.6  | 9038.3  | 9025.7  | 9005.4  |
| 10°   | 9048.4 | 9068.6 | 9101.4 | 9167.1 | 9242.9 | 9245.4  | 9215.1  | 9139.3  | 9081.2  | 9035.8  |
| 12.5° | 8962.5 | 8990.3 | 9058.5 | 9192.4 | 9361.6 | 9429.8  | 9381.8  | 9255.5  | 9141.9  | 9061.0  |
| 15°   | 8853.9 | 8884.2 | 8987.8 | 9189.8 | 9439.9 | 9599.1  | 9594.0  | 9427.3  | 9245.4  | 9119.1  |
| 17.5° | 8684.6 | 8714.9 | 8864.0 | 9146.9 | 9500.6 | 9763.3  | 9834.0  | 9662.2  | 9407.1  | 9237.8  |
| 20°   | 8379.0 | 8406.8 | 8613.9 | 9010.5 | 9520.8 | 9937.6  | 10122.0 | 9970.4  | 9652.1  | 9422.2  |
| 22.5° | 7982.4 | 8025.3 | 8267.8 | 8775.6 | 9472.8 | 10119.4 | 10450.4 | 10346.8 | 9937.6  | 9619.3  |
| 25°   | 7558.0 | 7603.5 | 7886.4 | 8487.6 | 9349.0 | 10250.8 | 10839.4 | 10773.7 | 10260.9 | 9864.3  |
| 27.5° | 7191.7 | 7239.7 | 7547.9 | 8202.2 | 9157.0 | 10301.3 | 11223.3 | 11256.2 | 10652.4 | 10134.6 |
| 30°   | 6903.8 | 6949.2 | 7277.6 | 7972.3 | 8909.5 | 10250.8 | 11559.3 | 11786.7 | 11051.6 | 10369.5 |
| 32.5° | 6588.0 | 6646.1 | 6992.2 | 7691.9 | 8616.4 | 10129.5 | 11852.3 | 12360.1 | 11513.8 | 10622.1 |
| 35°   | 6188.9 | 6241.9 | 6605.7 | 7307.9 | 8232.5 | 9935.0  | 12097.4 | 12996.6 | 12175.7 | 11006.1 |
| 37.5° | 5703.9 | 5754.4 | 6115.6 | 6828.0 | 7851.0 | 9662.2  | 12284.3 | 13714.0 | 12963.8 | 11559.3 |
| 40°   | 5216.3 | 5264.3 | 5602.8 | 6292.4 | 7393.8 | 9313.6  | 12350.0 | 14416.3 | 13868.1 | 12319.7 |
| 42.5° | 4769.2 | 4812.2 | 5122.9 | 5764.5 | 6881.0 | 8869.0  | 12264.1 | 15027.6 | 14679.0 | 12850.1 |
| 45°   | 4357.5 | 4395.4 | 4670.7 | 5269.4 | 6348.0 | 8328.5  | 12006.4 | 15684.4 | 15644.0 | 13229.0 |
| 47.5° | 3887.6 | 3925.5 | 4211.0 | 4789.4 | 5815.0 | 7694.4  | 11569.4 | 16331.1 | 16985.3 | 14087.9 |
| 50°   | 3314.2 | 3347.0 | 3640.1 | 4236.2 | 5261.8 | 7020.0  | 10963.2 | 16838.8 | 18677.8 | 15388.8 |
| 52.5° | 2634.7 | 2670.1 | 2955.5 | 3551.7 | 4605.0 | 6295.0  | 10164.9 | 17169.7 | 20633.0 | 17288.4 |
| 55°   | 1960.2 | 1985.5 | 2233.0 | 2768.6 | 3791.6 | 5468.9  | 9164.6  | 17263.2 | 22850.8 | 19885.2 |
| 57.5° | 1422.2 | 1437.3 | 1596.5 | 1995.6 | 2874.7 | 4435.8  | 7949.5  | 17020.7 | 25490.6 | 23214.6 |
| 60°   | 1151.9 | 1156.9 | 1204.9 | 1381.8 | 1998.1 | 3268.7  | 6481.9  | 16187.1 | 28355.2 | 27506.4 |
| 62.5° | 1045.8 | 1045.8 | 1058.4 | 1106.4 | 1351.4 | 2157.3  | 4706.1  | 14459.2 | 31426.9 | 32929.9 |
| 65°   | 972.5  | 972.5  | 977.6  | 1000.3 | 1066.0 | 1374.2  | 2970.7  | 11645.2 | 34016.1 | 39282.9 |
| 67.5° | 906.9  | 909.4  | 906.9  | 914.4  | 952.3  | 1015.5  | 1722.8  | 8043.0  | 35410.5 | 45865.9 |
| 70°   | 838.7  | 843.7  | 831.1  | 831.1  | 861.4  | 863.9   | 1078.6  | 4410.5  | 34253.5 | 51382.8 |
| 72.5° | 757.8  | 765.4  | 745.2  | 740.1  | 762.9  | 752.8   | 810.9   | 2116.8  | 29408.5 | 53029.8 |
| 75°   | 687.1  | 697.2  | 651.7  | 639.1  | 639.1  | 631.5   | 659.3   | 1086.2  | 19087.0 | 43259.0 |
| 77.5° | 623.9  | 644.1  | 570.9  | 530.5  | 520.4  | 497.6   | 538.1   | 664.4   | 8348.7  | 20309.6 |
| 80°   | 515.3  | 543.1  | 469.8  | 421.9  | 404.2  | 378.9   | 424.4   | 464.8   | 2483.1  | 4716.2  |
| 82.5° | 384.0  | 396.6  | 333.4  | 300.6  | 285.4  | 267.8   | 318.3   | 323.3   | 808.3   | 1669.7  |
| 85°   | 245.0  | 250.1  | 204.6  | 176.8  | 169.2  | 161.7   | 202.1   | 176.8   | 308.2   | 1227.7  |
| 87.5° | 85.9   | 98.5   | 78.3   | 70.7   | 75.8   | 63.2    | 93.5    | 53.0    | 85.9    | 866.4   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END C

| 90°     |
|---------|
| 8881.7  |
| 8886.7  |
| 8944.8  |
| 9005.4  |
| 9028.2  |
| 9048.4  |
| 9098.9  |
| 9210.1  |
| 9379.3  |
| 9561.2  |
| 9783.5  |
| 10048.7 |
| 10245.7 |
| 10465.5 |
| 10831.8 |
| 11326.9 |
| 12072.1 |
| 12531.8 |
| 12799.6 |
| 13592.8 |
| 14767.4 |
| 16523.0 |
| 18927.9 |
| 22009.7 |
| 25988.2 |
| 30896.4 |
| 36711.4 |
| 43089.7 |
| 50652.8 |
| 54949.6 |
| 46270.1 |
| 19887.8 |
| 4516.6  |
| 1887.0  |
| 1783.4  |
| 1073.6  |
| 0.0     |

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