

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: P942510

Luminaire Tested: **GLAN-SB6C-760-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942510  
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-SB6C-760-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 48600 lumens  
Efficiency: N/A  
Efficacy: 161.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - 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



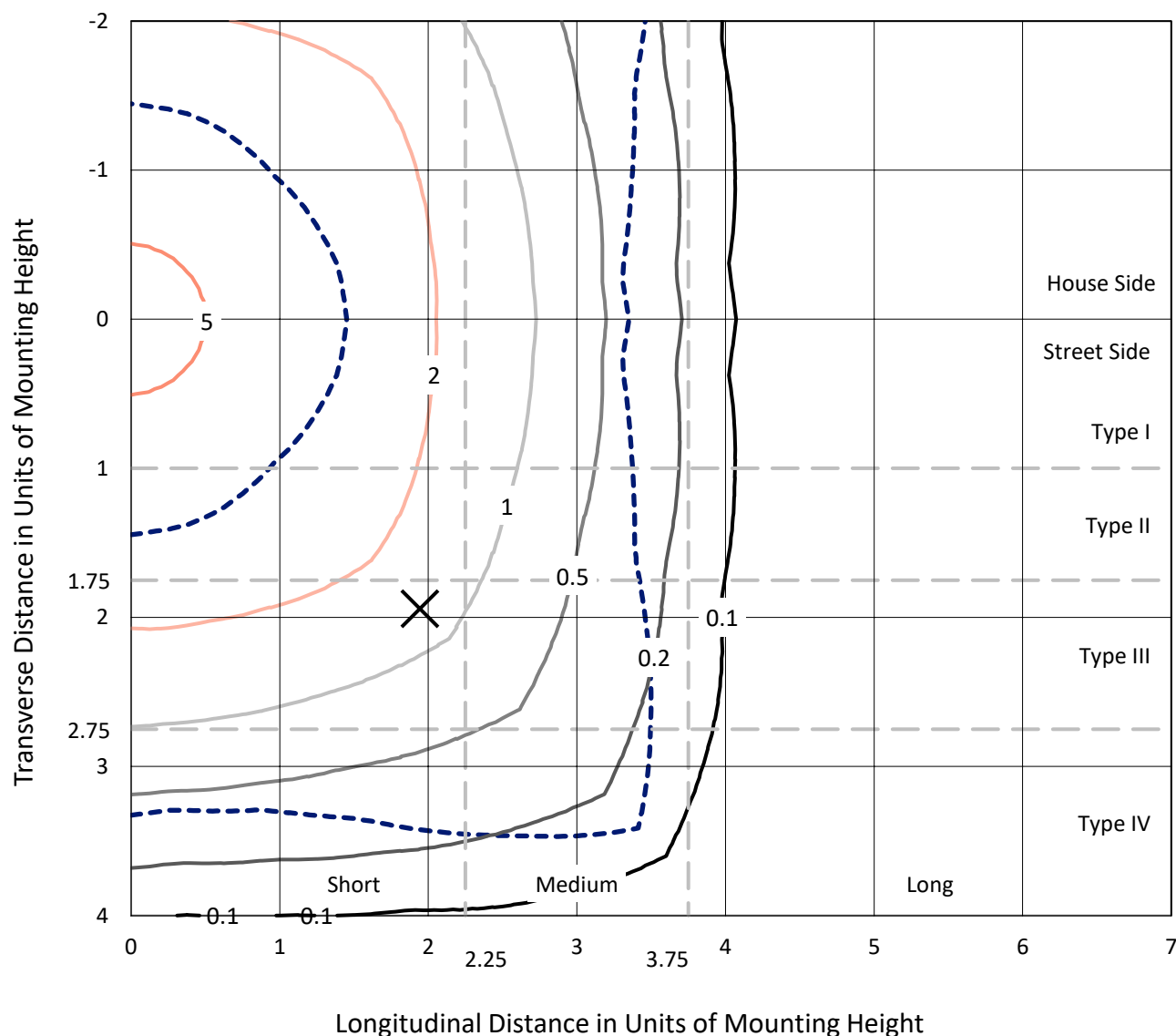
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

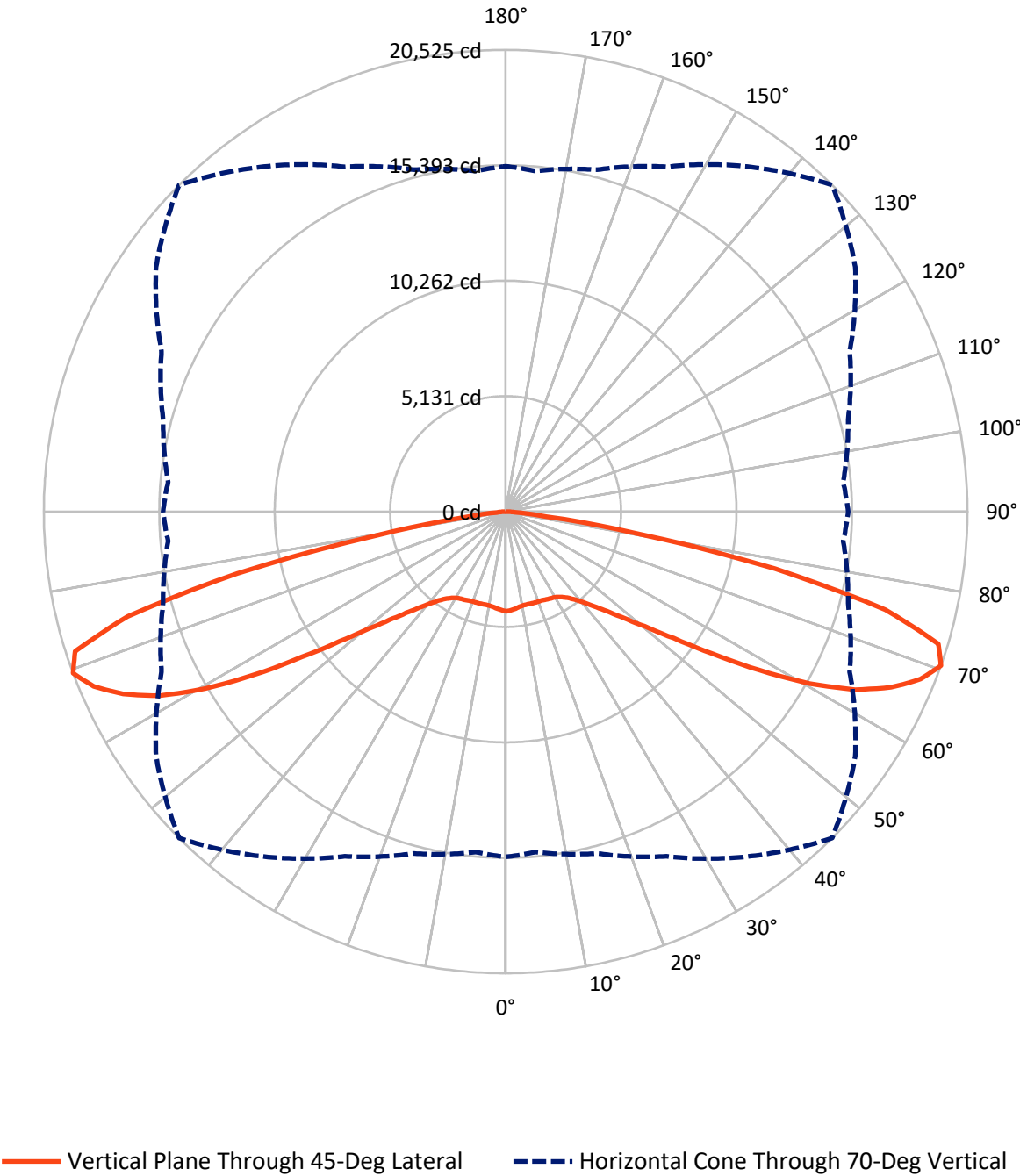


Based on 25 foot mounting height. Maximum calculated value = 7.1 fc

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    | 24300.0  | 0.0    | 24300.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 24300.0  | 0.0    | 24300.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 48600.0  | 0.0    | 48600.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 412.4   | 0.8       |
| 10°-20°   | 1210.9  | 2.5       |
| 20°-30°   | 2015.1  | 4.1       |
| 30°-40°   | 3047.5  | 6.3       |
| 40°-50°   | 5064.2  | 10.4      |
| 50°-60°   | 9556.0  | 19.7      |
| 60°-70°   | 16135.6 | 33.2      |
| 70°-80°   | 10602.8 | 21.8      |
| 80°-90°   | 555.5   | 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°    | 48600.0 | 100.0     |
| 0°-180°   | 48600.0 | 100.0     |

**Coefficient of Utilization**



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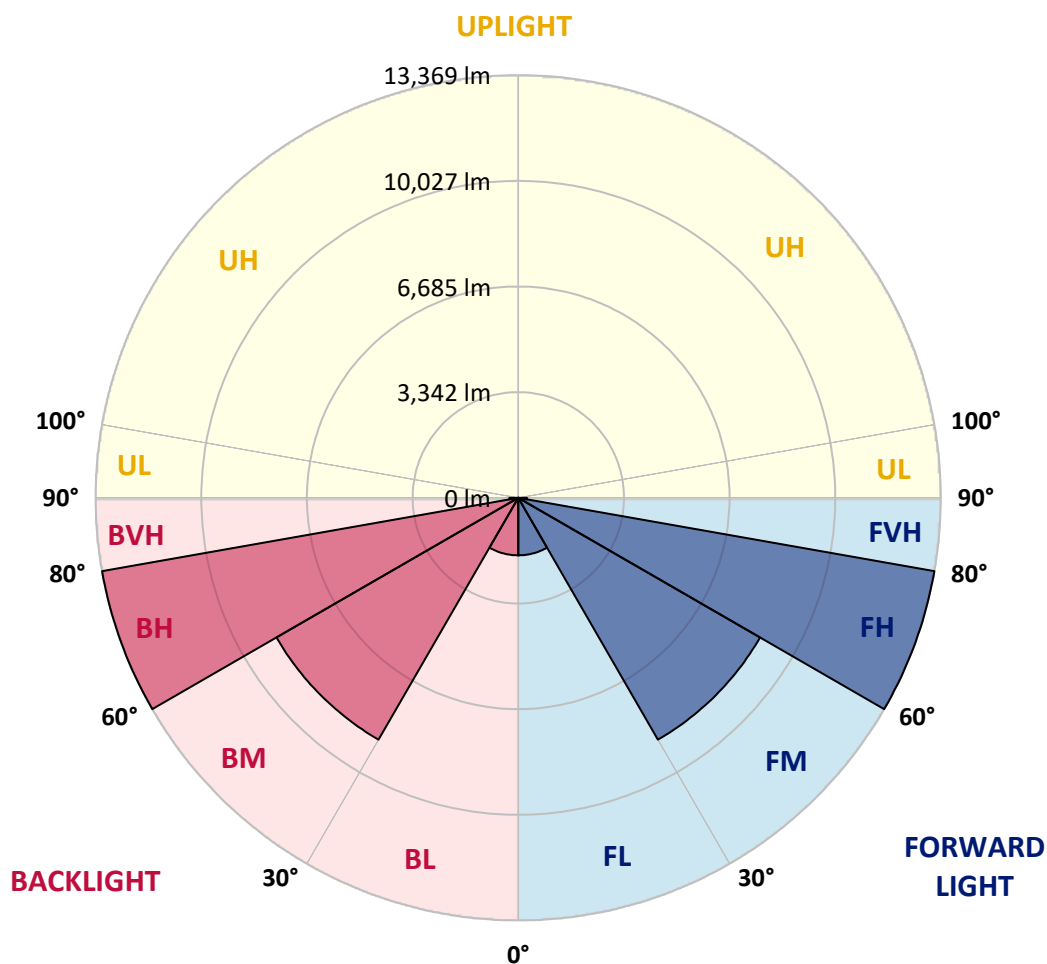
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|---------|-----------|-------------------------|------|--------|
|      |             |         |           | B                       | U    | G      |
| FL   | (0°-30°)    | 1819.2  | 3.7       |                         |      |        |
| FM   | (30°-60°)   | 8833.8  | 18.2      |                         |      |        |
| FH   | (60°-80°)   | 13369.2 | 27.5      |                         |      | G5     |
| FVH  | (80°-90°)   | 277.7   | 0.6       |                         |      | G3/500 |
| BL   | (0°-30°)    | 1819.2  | 3.7       | B3/2500                 |      |        |
| BM   | (30°-60°)   | 8833.8  | 18.2      | B5                      |      |        |
| BH   | (60°-80°)   | 13369.2 | 27.5      | B5                      |      | G5     |
| BVH  | (80°-90°)   | 277.7   | 0.6       |                         |      | 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°    | 4433.3  | 4433.3  | 4433.3  | 4433.3  | 4433.3  | 4433.3  | 4433.3  | 4433.3  | 4433.3  | 4433.3  |
| 2.5°  | 4405.5  | 4418.1  | 4413.1  | 4403.0  | 4403.0  | 4395.4  | 4403.0  | 4408.0  | 4415.6  | 4420.7  |
| 5°    | 4347.4  | 4357.5  | 4355.0  | 4347.4  | 4349.9  | 4342.4  | 4347.4  | 4355.0  | 4360.0  | 4362.6  |
| 7.5°  | 4296.9  | 4307.0  | 4301.9  | 4289.3  | 4289.3  | 4281.7  | 4284.3  | 4291.8  | 4299.4  | 4301.9  |
| 10°   | 4284.3  | 4294.4  | 4279.2  | 4259.0  | 4251.4  | 4241.3  | 4243.8  | 4251.4  | 4266.6  | 4274.2  |
| 12.5° | 4289.3  | 4296.9  | 4281.7  | 4251.4  | 4243.8  | 4233.7  | 4233.7  | 4241.3  | 4261.5  | 4271.6  |
| 15°   | 4304.5  | 4312.0  | 4289.3  | 4256.5  | 4248.9  | 4241.3  | 4238.8  | 4248.9  | 4271.6  | 4289.3  |
| 17.5° | 4332.3  | 4339.8  | 4304.5  | 4259.0  | 4248.9  | 4251.4  | 4248.9  | 4256.5  | 4291.8  | 4324.7  |
| 20°   | 4357.5  | 4362.6  | 4314.6  | 4259.0  | 4248.9  | 4251.4  | 4248.9  | 4264.1  | 4309.5  | 4355.0  |
| 22.5° | 4365.1  | 4370.1  | 4324.7  | 4276.7  | 4269.1  | 4271.6  | 4269.1  | 4284.3  | 4327.2  | 4372.7  |
| 25°   | 4367.6  | 4375.2  | 4339.8  | 4301.9  | 4314.6  | 4319.6  | 4314.6  | 4317.1  | 4349.9  | 4390.4  |
| 27.5° | 4405.5  | 4415.6  | 4382.8  | 4349.9  | 4357.5  | 4355.0  | 4362.6  | 4370.1  | 4395.4  | 4435.8  |
| 30°   | 4483.8  | 4491.4  | 4463.6  | 4430.8  | 4425.7  | 4408.0  | 4430.8  | 4456.0  | 4483.8  | 4519.2  |
| 32.5° | 4612.7  | 4627.8  | 4592.4  | 4557.1  | 4534.3  | 4524.2  | 4541.9  | 4584.9  | 4622.8  | 4660.6  |
| 35°   | 4827.4  | 4837.5  | 4804.6  | 4739.0  | 4698.5  | 4698.5  | 4713.7  | 4769.3  | 4829.9  | 4877.9  |
| 37.5° | 5130.5  | 5143.1  | 5085.0  | 5006.7  | 4946.1  | 4946.1  | 4966.3  | 5024.4  | 5115.3  | 5183.5  |
| 40°   | 5499.3  | 5517.0  | 5443.7  | 5362.9  | 5304.8  | 5294.7  | 5320.0  | 5385.6  | 5471.5  | 5557.4  |
| 42.5° | 5943.9  | 5964.1  | 5868.1  | 5797.4  | 5751.9  | 5751.9  | 5764.6  | 5825.2  | 5903.5  | 6009.6  |
| 45°   | 6512.3  | 6547.6  | 6416.3  | 6345.6  | 6302.6  | 6312.7  | 6320.3  | 6373.3  | 6444.1  | 6565.3  |
| 47.5° | 7189.3  | 7224.6  | 7085.7  | 7012.4  | 7004.9  | 7052.9  | 7022.5  | 7060.4  | 7098.3  | 7237.3  |
| 50°   | 7957.2  | 8017.8  | 7921.8  | 7916.8  | 7931.9  | 8020.4  | 7949.6  | 7969.8  | 7926.9  | 8015.3  |
| 52.5° | 8896.9  | 8985.3  | 8967.6  | 8998.0  | 9167.2  | 9349.1  | 9187.4  | 9116.7  | 8955.0  | 8982.8  |
| 55°   | 10036.2 | 10170.1 | 10195.3 | 10377.2 | 10761.2 | 11132.5 | 10789.0 | 10503.5 | 10160.0 | 10096.8 |
| 57.5° | 11332.1 | 11438.2 | 11559.4 | 11930.8 | 12648.2 | 13307.5 | 12648.2 | 12016.6 | 11476.1 | 11347.2 |
| 60°   | 12726.5 | 12857.8 | 12974.0 | 13522.2 | 14588.2 | 15515.3 | 14568.0 | 13565.1 | 12850.3 | 12675.9 |
| 62.5° | 14224.4 | 14393.7 | 14474.5 | 15083.3 | 16326.2 | 17432.6 | 16343.8 | 15128.8 | 14335.6 | 14148.7 |
| 65°   | 15661.8 | 15800.7 | 15891.7 | 16540.9 | 17728.1 | 18837.1 | 17809.0 | 16611.6 | 15795.7 | 15550.6 |
| 67.5° | 16331.2 | 16407.0 | 16629.3 | 17364.4 | 18617.3 | 19882.9 | 18829.5 | 17442.7 | 16530.8 | 16101.3 |
| 70°   | 15351.1 | 15197.0 | 15732.5 | 16909.7 | 18723.4 | 20524.5 | 18965.9 | 16874.3 | 15757.8 | 15060.6 |
| 72.5° | 11862.5 | 11597.3 | 12526.9 | 14540.2 | 17510.9 | 20115.3 | 17632.2 | 14653.9 | 13105.4 | 11690.8 |
| 75°   | 6454.2  | 6153.6  | 7436.8  | 9983.1  | 13964.3 | 17435.1 | 14285.1 | 10268.6 | 8280.5  | 6406.2  |
| 77.5° | 1821.3  | 1707.6  | 2743.3  | 4829.9  | 8399.3  | 12241.5 | 8722.6  | 4936.0  | 3253.6  | 1929.9  |
| 80°   | 558.3   | 540.6   | 732.6   | 1455.0  | 3566.8  | 5863.1  | 3427.9  | 1472.7  | 932.1   | 588.6   |
| 82.5° | 330.9   | 303.1   | 363.8   | 530.5   | 909.4   | 1841.5  | 884.1   | 553.2   | 444.6   | 298.1   |
| 85°   | 189.5   | 176.8   | 214.7   | 257.7   | 305.7   | 391.5   | 255.1   | 262.7   | 237.5   | 159.1   |
| 87.5° | 78.3    | 70.7    | 83.4    | 80.8    | 70.7    | 90.9    | 68.2    | 80.8    | 96.0    | 63.2    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END C

| 90°     |
|---------|
| 4433.3  |
| 4418.1  |
| 4362.6  |
| 4301.9  |
| 4274.2  |
| 4274.2  |
| 4291.8  |
| 4324.7  |
| 4357.5  |
| 4372.7  |
| 4387.8  |
| 4425.7  |
| 4511.6  |
| 4645.5  |
| 4860.2  |
| 5158.3  |
| 5529.6  |
| 6002.0  |
| 6560.3  |
| 7196.8  |
| 7962.3  |
| 8889.3  |
| 9998.3  |
| 11256.3 |
| 12524.4 |
| 13997.1 |
| 15429.4 |
| 16106.4 |
| 15227.3 |
| 12041.9 |
| 6823.0  |
| 2144.7  |
| 621.4   |
| 323.3   |
| 166.7   |
| 58.1    |
| 0.0     |