

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: P951869

Luminaire Tested: **GLAN-SB5D-927-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P951869  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5D-927-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32220 lumens  
Efficiency: N/A  
Efficacy: 88.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B5 - U0 - G5

Input Watts (W): 364.9  
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



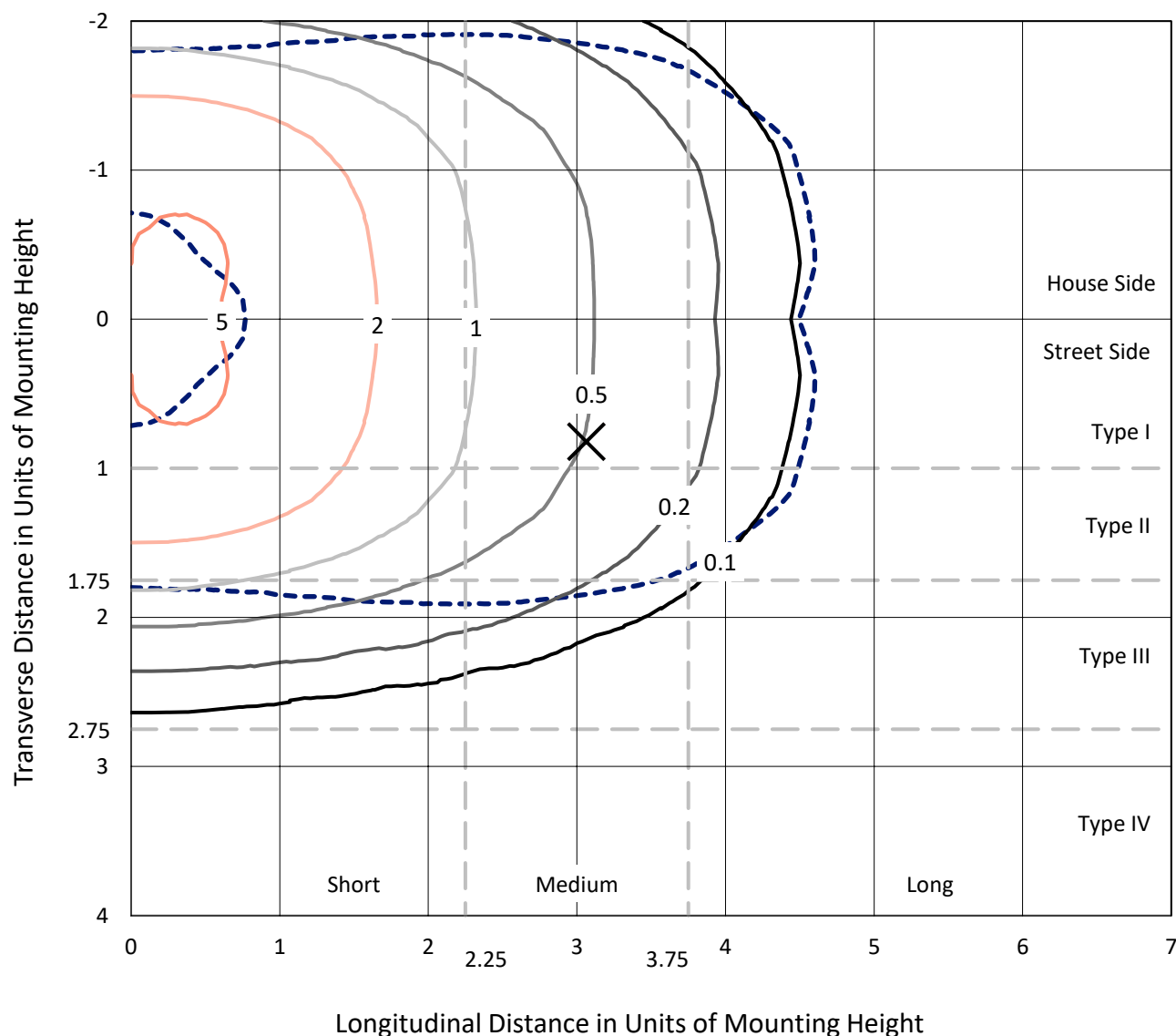
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## Iso-Footcandle Lines of Horizontal Illumination

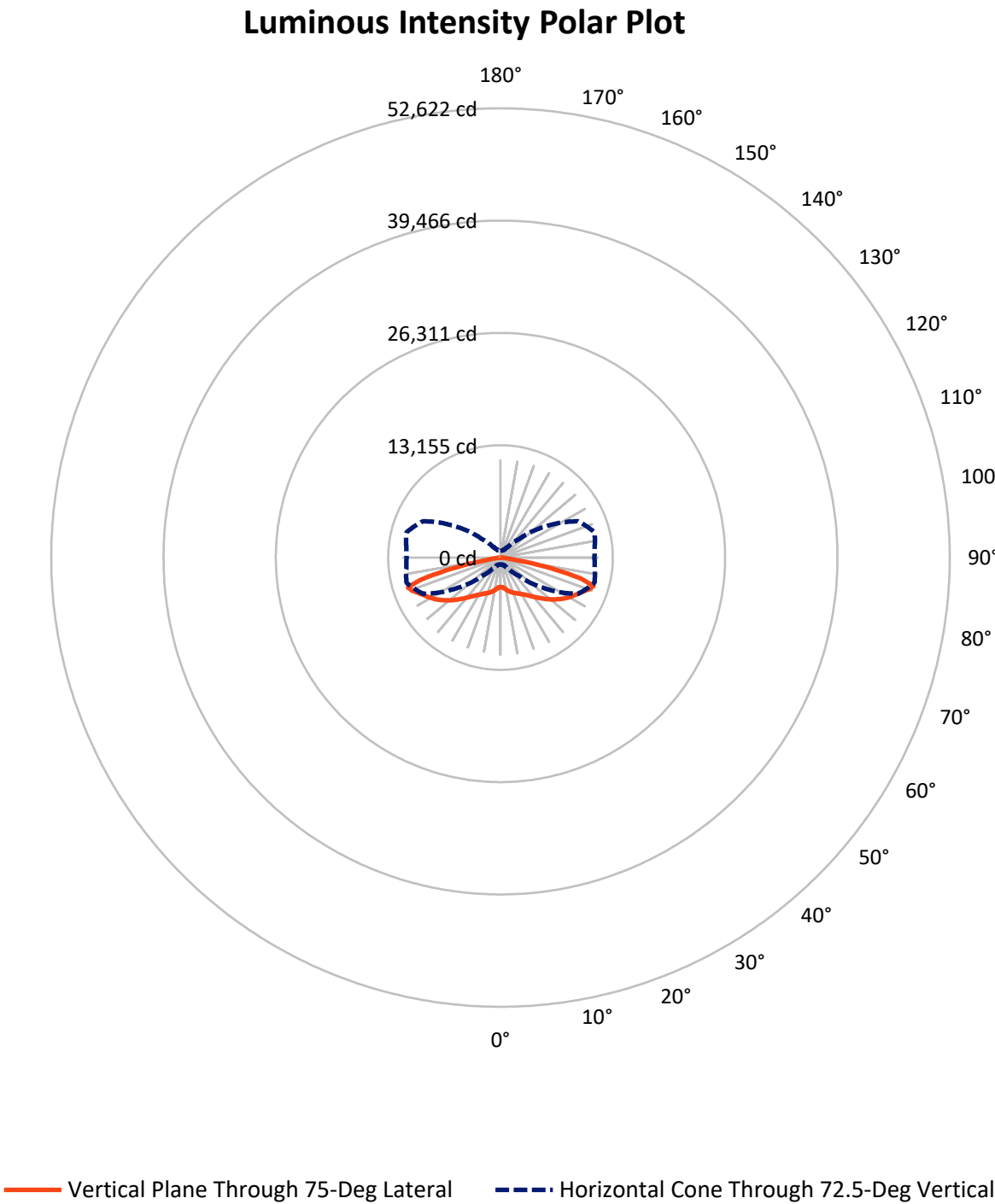
× Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc  
 Type III - Medium - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 16110.0  | 0.0    | 16110.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 16110.0  | 0.0    | 16110.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 32220.0  | 0.0    | 32220.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 338.1   | 1.0       |
| 10°-20°   | 1115.1  | 3.5       |
| 20°-30°   | 2154.7  | 6.7       |
| 30°-40°   | 3638.3  | 11.3      |
| 40°-50°   | 5769.9  | 17.9      |
| 50°-60°   | 7725.2  | 24.0      |
| 60°-70°   | 7352.0  | 22.8      |
| 70°-80°   | 3836.4  | 11.9      |
| 80°-90°   | 290.4   | 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°    | 32220.0 | 100.0     |
| 0°-180°   | 32220.0 | 100.0     |

**Coefficient of Utilization**



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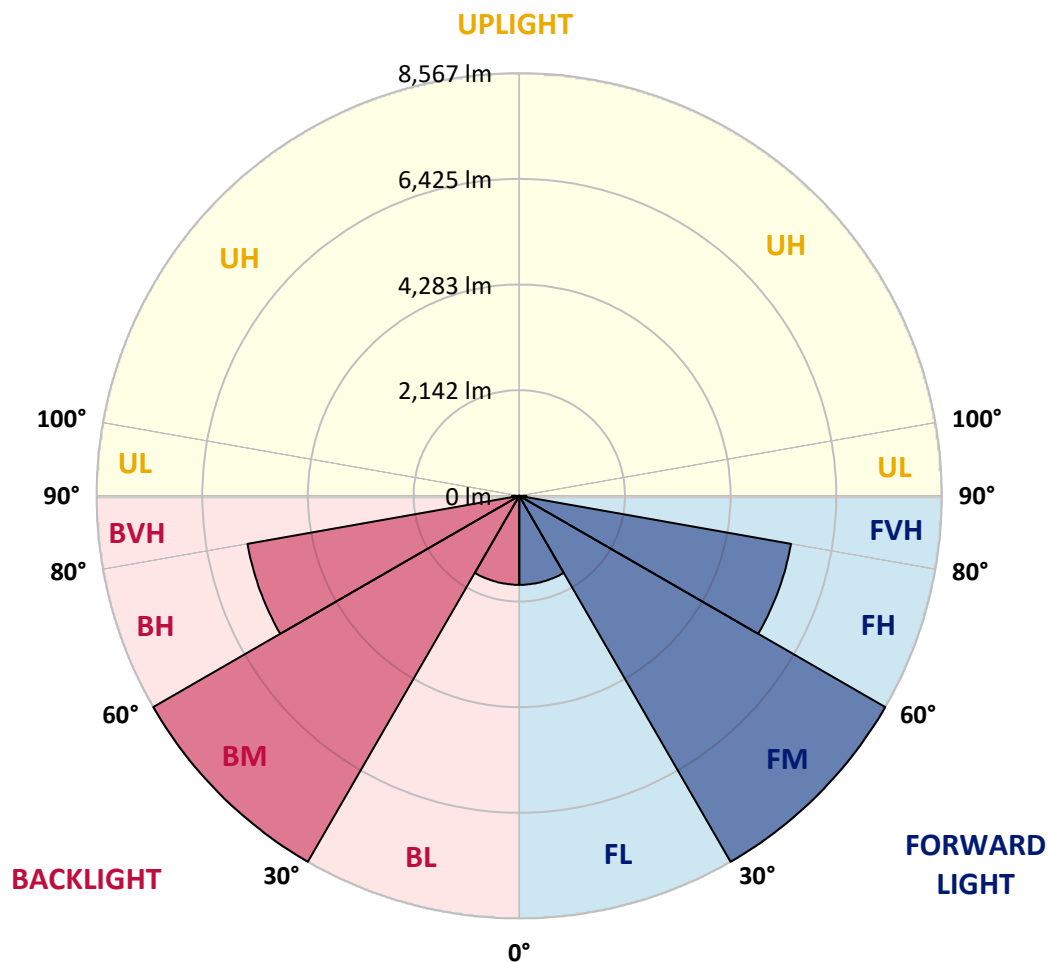
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1803.9 | 5.6       |                         |      |         |
| FM   | (30°-60°)   | 8566.7 | 26.6      |                         |      |         |
| FH   | (60°-80°)   | 5594.2 | 17.4      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 145.2  | 0.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1803.9 | 5.6       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 8566.7 | 26.6      | B5                      |      |         |
| BH   | (60°-80°)   | 5594.2 | 17.4      | B5                      |      | G5      |
| BVH  | (80°-90°)   | 145.2  | 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 III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°     | 65°     | 75°     | 85°     |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| 0°    | 3451.3 | 3451.3 | 3451.3 | 3451.3 | 3451.3 | 3451.3 | 3451.3  | 3451.3  | 3451.3  | 3451.3  |
| 2.5°  | 3451.3 | 3448.0 | 3451.3 | 3454.6 | 3453.0 | 3453.0 | 3461.2  | 3466.1  | 3476.0  | 3474.4  |
| 5°    | 3428.3 | 3426.7 | 3439.8 | 3454.6 | 3466.1 | 3485.9 | 3510.6  | 3528.7  | 3551.7  | 3556.6  |
| 7.5°  | 3416.8 | 3411.9 | 3434.9 | 3461.2 | 3497.4 | 3546.8 | 3594.5  | 3643.8  | 3683.3  | 3696.5  |
| 10°   | 3425.0 | 3426.7 | 3457.9 | 3507.3 | 3564.8 | 3633.9 | 3701.4  | 3785.3  | 3841.2  | 3854.4  |
| 12.5° | 3462.9 | 3459.6 | 3512.2 | 3591.2 | 3670.1 | 3757.3 | 3836.3  | 3928.4  | 3989.3  | 4020.5  |
| 15°   | 3531.9 | 3525.4 | 3599.4 | 3716.2 | 3831.3 | 3933.3 | 3997.5  | 4084.7  | 4155.4  | 4194.9  |
| 17.5° | 3614.2 | 3617.5 | 3714.5 | 3865.9 | 4017.2 | 4132.4 | 4193.3  | 4237.7  | 4292.0  | 4326.5  |
| 20°   | 3759.0 | 3765.5 | 3874.1 | 4053.4 | 4226.2 | 4357.8 | 4407.1  | 4390.7  | 4405.5  | 4431.8  |
| 22.5° | 3953.1 | 3956.4 | 4078.1 | 4272.2 | 4453.2 | 4597.9 | 4630.8  | 4563.4  | 4522.3  | 4540.4  |
| 25°   | 4178.5 | 4199.8 | 4321.6 | 4520.6 | 4706.5 | 4844.7 | 4859.5  | 4757.5  | 4655.5  | 4660.5  |
| 27.5° | 4453.2 | 4472.9 | 4596.3 | 4793.7 | 4982.9 | 5103.0 | 5101.3  | 4964.8  | 4815.1  | 4777.3  |
| 30°   | 4750.9 | 4772.3 | 4899.0 | 5103.0 | 5279.0 | 5384.3 | 5361.3  | 5198.4  | 4984.5  | 4913.8  |
| 32.5° | 5104.6 | 5117.8 | 5246.1 | 5450.1 | 5612.9 | 5696.8 | 5649.1  | 5448.4  | 5181.9  | 5101.3  |
| 35°   | 5532.3 | 5552.1 | 5647.5 | 5840.0 | 5983.1 | 6052.2 | 5971.6  | 5734.7  | 5435.3  | 5344.8  |
| 37.5° | 6020.9 | 6007.8 | 6116.3 | 6287.4 | 6405.9 | 6448.6 | 6338.4  | 6057.1  | 5724.8  | 5617.9  |
| 40°   | 6530.9 | 6524.3 | 6642.8 | 6807.3 | 6871.4 | 6897.7 | 6734.9  | 6427.3  | 6058.8  | 5943.6  |
| 42.5° | 6993.2 | 6988.2 | 7147.8 | 7330.4 | 7407.7 | 7378.1 | 7172.5  | 6820.4  | 6445.4  | 6313.7  |
| 45°   | 7363.3 | 7356.7 | 7552.5 | 7809.1 | 7960.5 | 7911.1 | 7634.7  | 7254.7  | 6836.9  | 6700.3  |
| 47.5° | 7647.9 | 7651.2 | 7861.7 | 8179.2 | 8444.1 | 8462.2 | 8106.9  | 7697.2  | 7267.9  | 7113.2  |
| 50°   | 7853.5 | 7863.4 | 8088.8 | 8440.8 | 8802.7 | 8962.3 | 8588.9  | 8151.3  | 7713.7  | 7539.3  |
| 52.5° | 7904.5 | 7922.6 | 8194.1 | 8607.0 | 9033.0 | 9337.4 | 9079.1  | 8587.2  | 8136.5  | 7970.3  |
| 55°   | 7633.1 | 7669.3 | 8013.1 | 8593.8 | 9174.5 | 9584.1 | 9510.1  | 9029.7  | 8562.5  | 8391.5  |
| 57.5° | 7009.6 | 7060.6 | 7462.0 | 8220.4 | 9143.3 | 9753.6 | 9844.0  | 9454.2  | 8988.6  | 8824.1  |
| 60°   | 6136.1 | 6196.9 | 6581.9 | 7409.4 | 8702.4 | 9816.1 | 10079.3 | 9867.1  | 9380.1  | 9220.6  |
| 62.5° | 4818.4 | 4897.3 | 5358.0 | 6328.6 | 7771.3 | 9524.9 | 10280.0 | 10240.5 | 9732.2  | 9533.1  |
| 65°   | 3091.1 | 3175.0 | 3660.3 | 4806.9 | 6529.2 | 8633.3 | 10342.5 | 10604.1 | 10104.0 | 9826.0  |
| 67.5° | 1863.9 | 1901.7 | 2141.9 | 2913.4 | 4772.3 | 7289.3 | 9812.8  | 11007.1 | 10538.3 | 10192.8 |
| 70°   | 1192.7 | 1214.1 | 1357.2 | 1710.9 | 2697.9 | 5318.5 | 8500.0  | 11082.8 | 11064.7 | 10569.5 |
| 72.5° | 809.4  | 816.0  | 853.8  | 1013.4 | 1526.6 | 3022.0 | 6269.3  | 10033.2 | 11393.7 | 11054.8 |
| 75°   | 592.2  | 628.4  | 689.3  | 717.2  | 866.9  | 1510.2 | 3592.8  | 7049.1  | 9602.2  | 9750.3  |
| 77.5° | 440.9  | 442.5  | 526.4  | 559.3  | 618.5  | 804.4  | 1520.0  | 3935.0  | 5961.7  | 6259.5  |
| 80°   | 373.4  | 353.7  | 352.0  | 450.7  | 465.6  | 501.7  | 679.4   | 1358.8  | 2135.3  | 1294.7  |
| 82.5° | 310.9  | 289.5  | 261.6  | 352.0  | 317.5  | 307.6  | 294.5   | 552.7   | 679.4   | 333.9   |
| 85°   | 217.1  | 207.3  | 197.4  | 230.3  | 181.0  | 154.6  | 141.5   | 258.3   | 286.2   | 141.5   |
| 87.5° | 93.8   | 97.1   | 98.7   | 102.0  | 75.7   | 54.3   | 54.3    | 72.4    | 72.4    | 55.9    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     |

(END C

| 90°     |
|---------|
| 3451.3  |
| 3472.7  |
| 3556.6  |
| 3699.7  |
| 3867.5  |
| 4033.7  |
| 4209.7  |
| 4343.0  |
| 4451.5  |
| 4553.5  |
| 4668.7  |
| 4788.8  |
| 4922.0  |
| 5121.1  |
| 5358.0  |
| 5637.6  |
| 5981.4  |
| 6346.6  |
| 6731.6  |
| 7159.3  |
| 7592.0  |
| 8013.1  |
| 8439.2  |
| 8861.9  |
| 9255.1  |
| 9556.2  |
| 9860.5  |
| 10219.1 |
| 10566.2 |
| 11002.2 |
| 9391.7  |
| 5583.3  |
| 978.8   |
| 284.6   |
| 125.0   |
| 41.1    |
| 0.0     |

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