

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: P950651

Luminaire Tested: **GLAN-SB5A-750-U-RW**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P950651  
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-SB5A-750-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 24686 lumens  
Efficiency: N/A  
Efficacy: 174.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B4 - U0 - G4

Input Watts (W): 141.7  
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



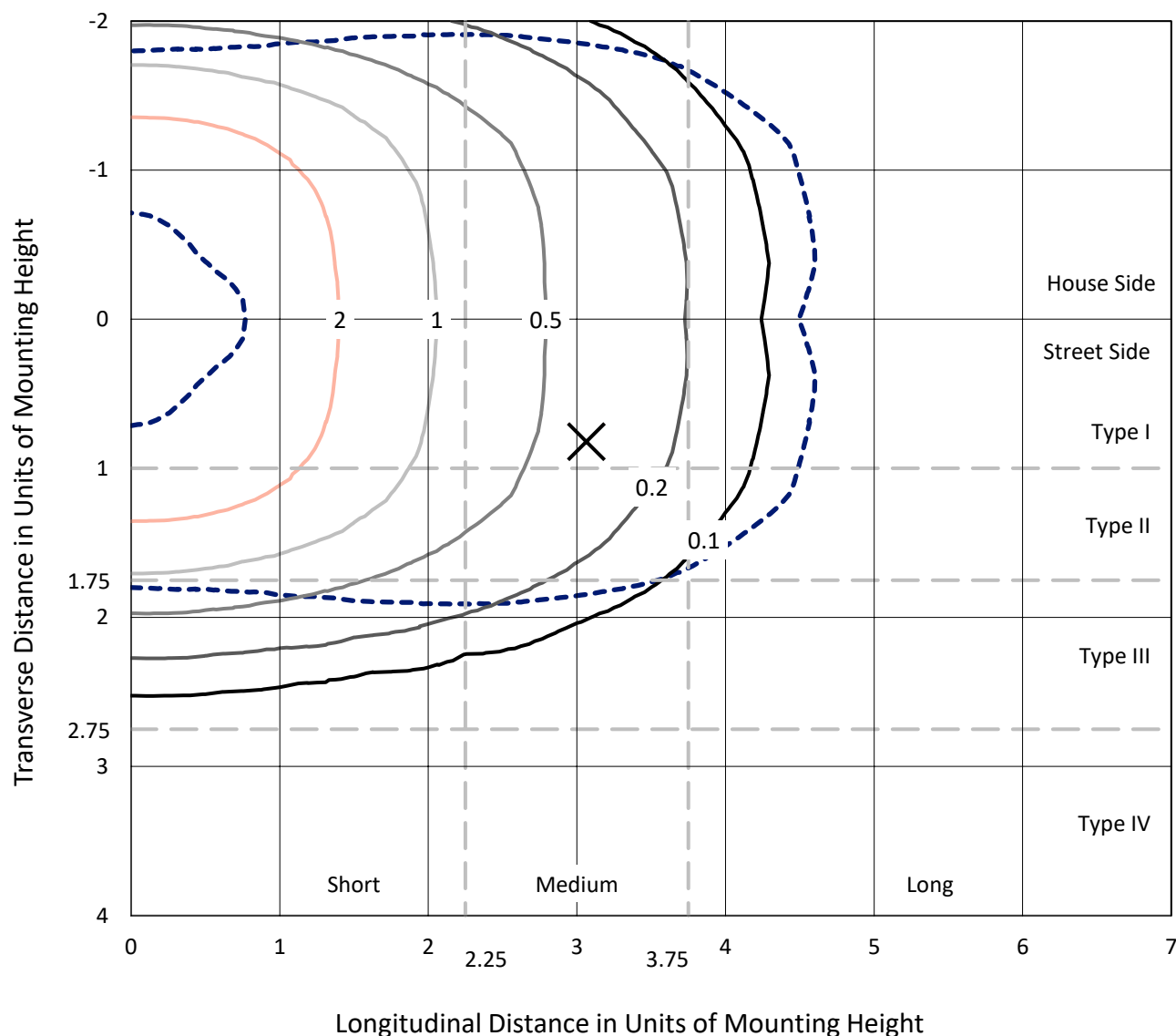
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

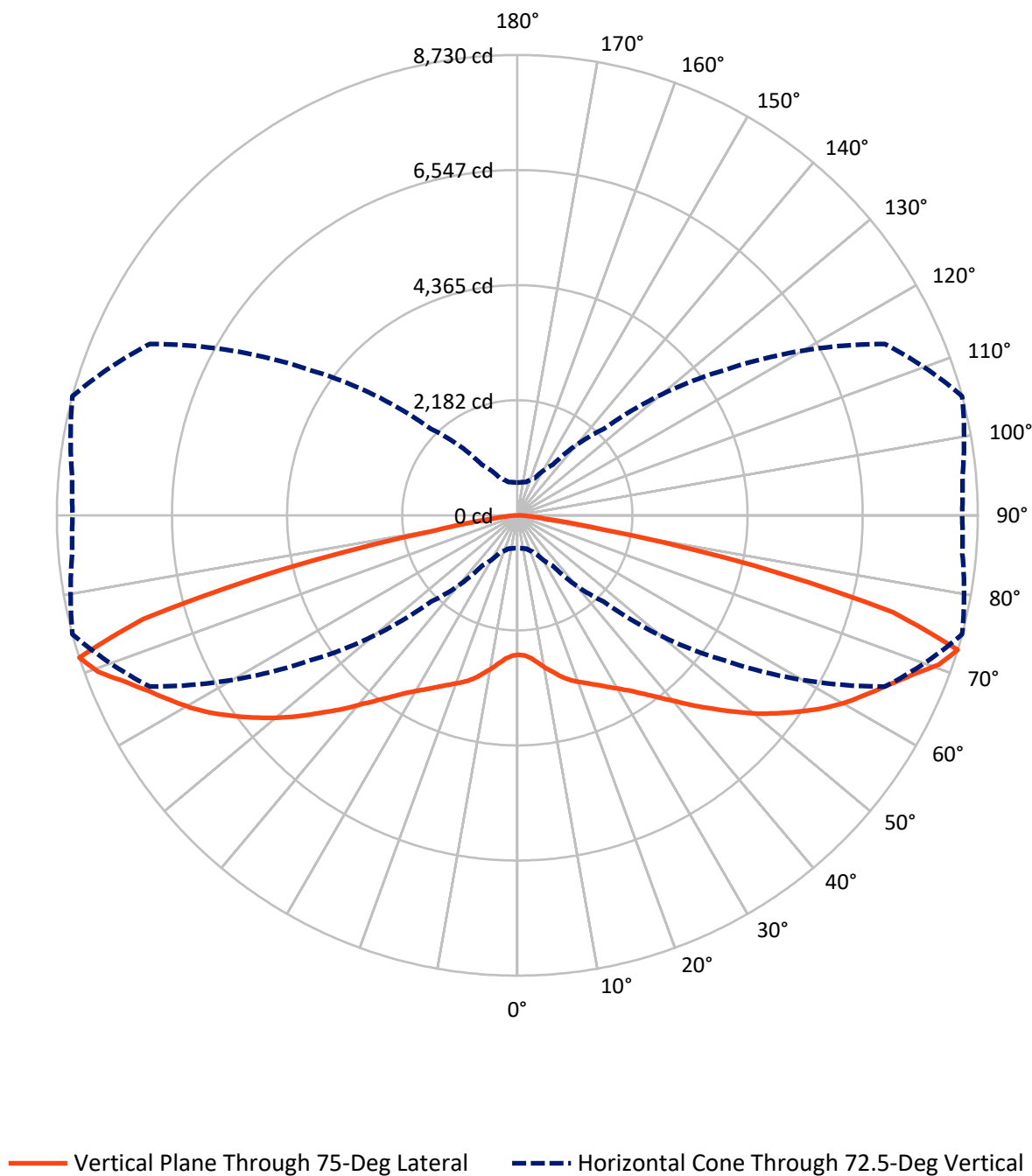
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc  
Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 12343.0  | 0.0    | 12343.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 12343.0  | 0.0    | 12343.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 24686.0  | 0.0    | 24686.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 259.0   | 1.0       |
| 10°-20°   | 854.3   | 3.5       |
| 20°-30°   | 1650.8  | 6.7       |
| 30°-40°   | 2787.5  | 11.3      |
| 40°-50°   | 4420.7  | 17.9      |
| 50°-60°   | 5918.8  | 24.0      |
| 60°-70°   | 5632.8  | 22.8      |
| 70°-80°   | 2939.3  | 11.9      |
| 80°-90°   | 222.5   | 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°    | 24686.0 | 100.0     |
| 0°-180°   | 24686.0 | 100.0     |

**Coefficient of Utilization**



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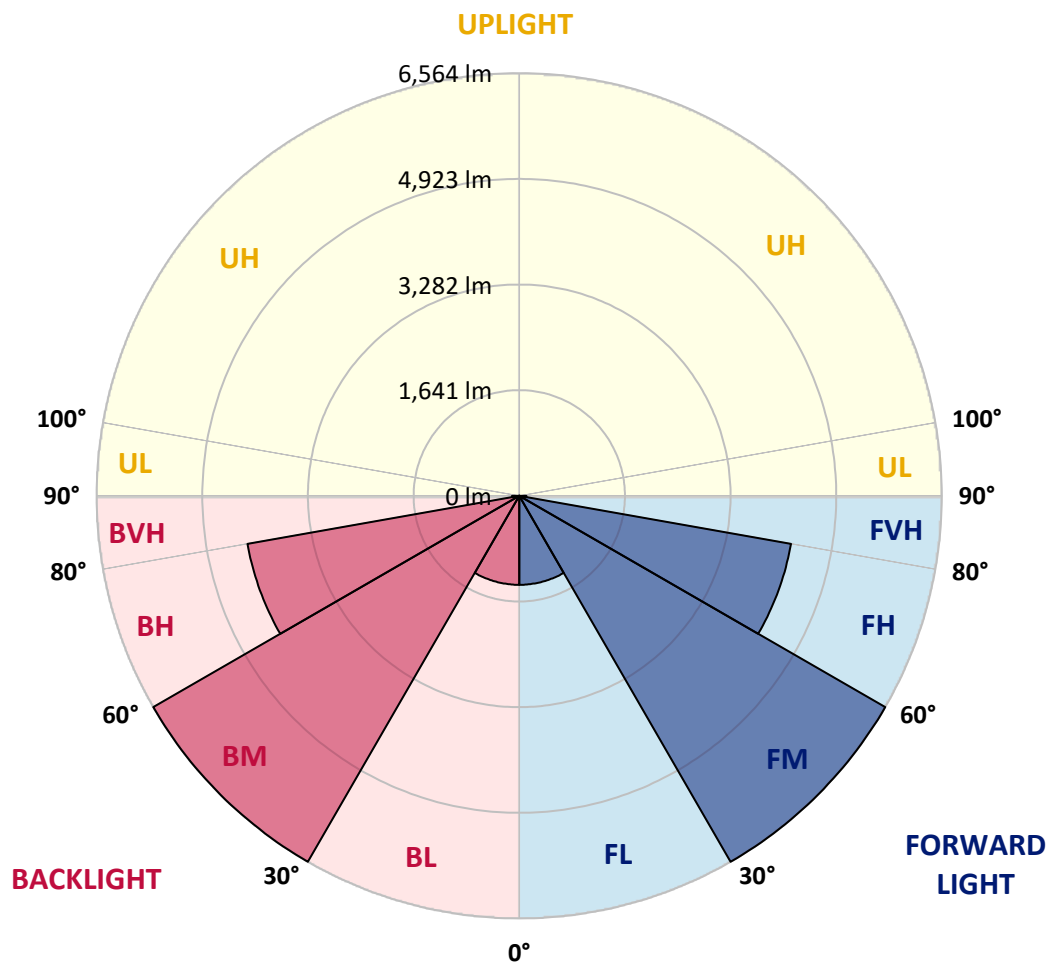
CATALOG NUMBER: GLAN-SB5A-750-U-RW

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1382.1 | 5.6       |                         |      |         |
| FM   | (30°-60°)   | 6563.6 | 26.6      |                         |      |         |
| FH   | (60°-80°)   | 4286.1 | 17.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 111.2  | 0.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1382.1 | 5.6       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 6563.6 | 26.6      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 4286.1 | 17.4      | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 111.2  | 0.5       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G4**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2644.3 | 2644.3 | 2644.3 | 2644.3 | 2644.3 | 2644.3 | 2644.3 | 2644.3 | 2644.3 | 2644.3 |
| 2.5°  | 2644.3 | 2641.8 | 2644.3 | 2646.8 | 2645.6 | 2645.6 | 2651.9 | 2655.7 | 2663.2 | 2662.0 |
| 5°    | 2626.7 | 2625.4 | 2635.5 | 2646.8 | 2655.7 | 2670.8 | 2689.7 | 2703.6 | 2721.2 | 2725.0 |
| 7.5°  | 2617.8 | 2614.1 | 2631.7 | 2651.9 | 2679.6 | 2717.4 | 2754.0 | 2791.8 | 2822.0 | 2832.1 |
| 10°   | 2624.1 | 2625.4 | 2649.4 | 2687.2 | 2731.3 | 2784.2 | 2835.9 | 2900.2 | 2943.0 | 2953.1 |
| 12.5° | 2653.1 | 2650.6 | 2690.9 | 2751.4 | 2811.9 | 2878.7 | 2939.2 | 3009.8 | 3056.5 | 3080.4 |
| 15°   | 2706.1 | 2701.0 | 2757.7 | 2847.2 | 2935.5 | 3013.6 | 3062.8 | 3129.6 | 3183.8 | 3214.0 |
| 17.5° | 2769.1 | 2771.6 | 2846.0 | 2961.9 | 3077.9 | 3166.1 | 3212.8 | 3246.8 | 3288.4 | 3314.8 |
| 20°   | 2880.0 | 2885.0 | 2968.2 | 3105.6 | 3238.0 | 3338.8 | 3376.6 | 3364.0 | 3375.3 | 3395.5 |
| 22.5° | 3028.7 | 3031.3 | 3124.5 | 3273.3 | 3411.9 | 3522.8 | 3548.0 | 3496.3 | 3464.8 | 3478.7 |
| 25°   | 3201.4 | 3217.8 | 3311.1 | 3463.6 | 3606.0 | 3711.9 | 3723.2 | 3645.1 | 3566.9 | 3570.7 |
| 27.5° | 3411.9 | 3427.0 | 3521.5 | 3672.8 | 3817.7 | 3909.8 | 3908.5 | 3803.9 | 3689.2 | 3660.2 |
| 30°   | 3640.0 | 3656.4 | 3753.5 | 3909.8 | 4044.6 | 4125.3 | 4107.6 | 3982.9 | 3819.0 | 3764.8 |
| 32.5° | 3911.0 | 3921.1 | 4019.4 | 4175.7 | 4300.5 | 4364.8 | 4328.2 | 4174.4 | 3970.2 | 3908.5 |
| 35°   | 4238.7 | 4253.8 | 4326.9 | 4474.4 | 4584.1 | 4637.0 | 4575.2 | 4393.7 | 4164.4 | 4095.0 |
| 37.5° | 4613.1 | 4603.0 | 4686.2 | 4817.2 | 4908.0 | 4940.8 | 4856.3 | 4640.8 | 4386.2 | 4304.3 |
| 40°   | 5003.8 | 4998.7 | 5089.5 | 5215.5 | 5264.7 | 5284.8 | 5160.1 | 4924.4 | 4642.0 | 4553.8 |
| 42.5° | 5357.9 | 5354.2 | 5476.4 | 5616.3 | 5675.6 | 5652.9 | 5495.3 | 5225.6 | 4938.2 | 4837.4 |
| 45°   | 5641.5 | 5636.5 | 5786.5 | 5983.1 | 6099.1 | 6061.2 | 5849.5 | 5558.3 | 5238.2 | 5133.6 |
| 47.5° | 5859.6 | 5862.1 | 6023.4 | 6266.7 | 6469.6 | 6483.5 | 6211.2 | 5897.4 | 5568.4 | 5450.0 |
| 50°   | 6017.1 | 6024.7 | 6197.4 | 6467.1 | 6744.4 | 6866.6 | 6580.5 | 6245.3 | 5910.0 | 5776.4 |
| 52.5° | 6056.2 | 6070.1 | 6278.0 | 6594.4 | 6920.8 | 7154.0 | 6956.1 | 6579.3 | 6233.9 | 6106.6 |
| 55°   | 5848.2 | 5876.0 | 6139.4 | 6584.3 | 7029.2 | 7343.1 | 7286.4 | 6918.3 | 6560.4 | 6429.3 |
| 57.5° | 5370.6 | 5409.6 | 5717.2 | 6298.2 | 7005.3 | 7472.9 | 7542.2 | 7243.5 | 6886.8 | 6760.8 |
| 60°   | 4701.3 | 4747.9 | 5042.8 | 5676.8 | 6667.5 | 7520.8 | 7722.5 | 7559.9 | 7186.8 | 7064.5 |
| 62.5° | 3691.7 | 3752.2 | 4105.1 | 4848.7 | 5954.1 | 7297.7 | 7876.2 | 7846.0 | 7456.5 | 7304.0 |
| 65°   | 2368.3 | 2432.6 | 2804.4 | 3682.9 | 5002.5 | 6614.6 | 7924.1 | 8124.5 | 7741.4 | 7528.4 |
| 67.5° | 1428.0 | 1457.0 | 1641.0 | 2232.2 | 3656.4 | 5584.8 | 7518.3 | 8433.3 | 8074.1 | 7809.4 |
| 70°   | 913.8  | 930.2  | 1039.8 | 1310.8 | 2067.1 | 4074.9 | 6512.5 | 8491.3 | 8477.4 | 8098.0 |
| 72.5° | 620.1  | 625.2  | 654.1  | 776.4  | 1169.6 | 2315.3 | 4803.4 | 7687.2 | 8729.5 | 8469.9 |
| 75°   | 453.7  | 481.5  | 528.1  | 549.5  | 664.2  | 1157.0 | 2752.7 | 5400.8 | 7356.9 | 7470.4 |
| 77.5° | 337.8  | 339.0  | 403.3  | 428.5  | 473.9  | 616.3  | 1164.6 | 3014.9 | 4567.7 | 4795.8 |
| 80°   | 286.1  | 271.0  | 269.7  | 345.3  | 356.7  | 384.4  | 520.5  | 1041.1 | 1636.0 | 991.9  |
| 82.5° | 238.2  | 221.8  | 200.4  | 269.7  | 243.3  | 235.7  | 225.6  | 423.5  | 520.5  | 255.9  |
| 85°   | 166.4  | 158.8  | 151.2  | 176.5  | 138.6  | 118.5  | 108.4  | 197.9  | 219.3  | 108.4  |
| 87.5° | 71.8   | 74.4   | 75.6   | 78.1   | 58.0   | 41.6   | 41.6   | 55.5   | 55.5   | 42.9   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END C

| 90°    |
|--------|
| 2644.3 |
| 2660.7 |
| 2725.0 |
| 2834.6 |
| 2963.2 |
| 3090.5 |
| 3225.4 |
| 3327.4 |
| 3410.6 |
| 3488.8 |
| 3577.0 |
| 3669.0 |
| 3771.1 |
| 3923.6 |
| 4105.1 |
| 4319.4 |
| 4582.8 |
| 4862.6 |
| 5157.5 |
| 5485.2 |
| 5816.7 |
| 6139.4 |
| 6465.8 |
| 6789.8 |
| 7091.0 |
| 7321.6 |
| 7554.8 |
| 7829.6 |
| 8095.5 |
| 8429.5 |
| 7195.6 |
| 4277.8 |
| 749.9  |
| 218.0  |
| 95.8   |
| 31.5   |
| 0.0    |