

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: P941183

Luminaire Tested: **GLAN-SB4C-835-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P941183  
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-SB4C-835-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27541 lumens  
Efficiency: N/A  
Efficacy: 137.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

Input Watts (W): 200.7  
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

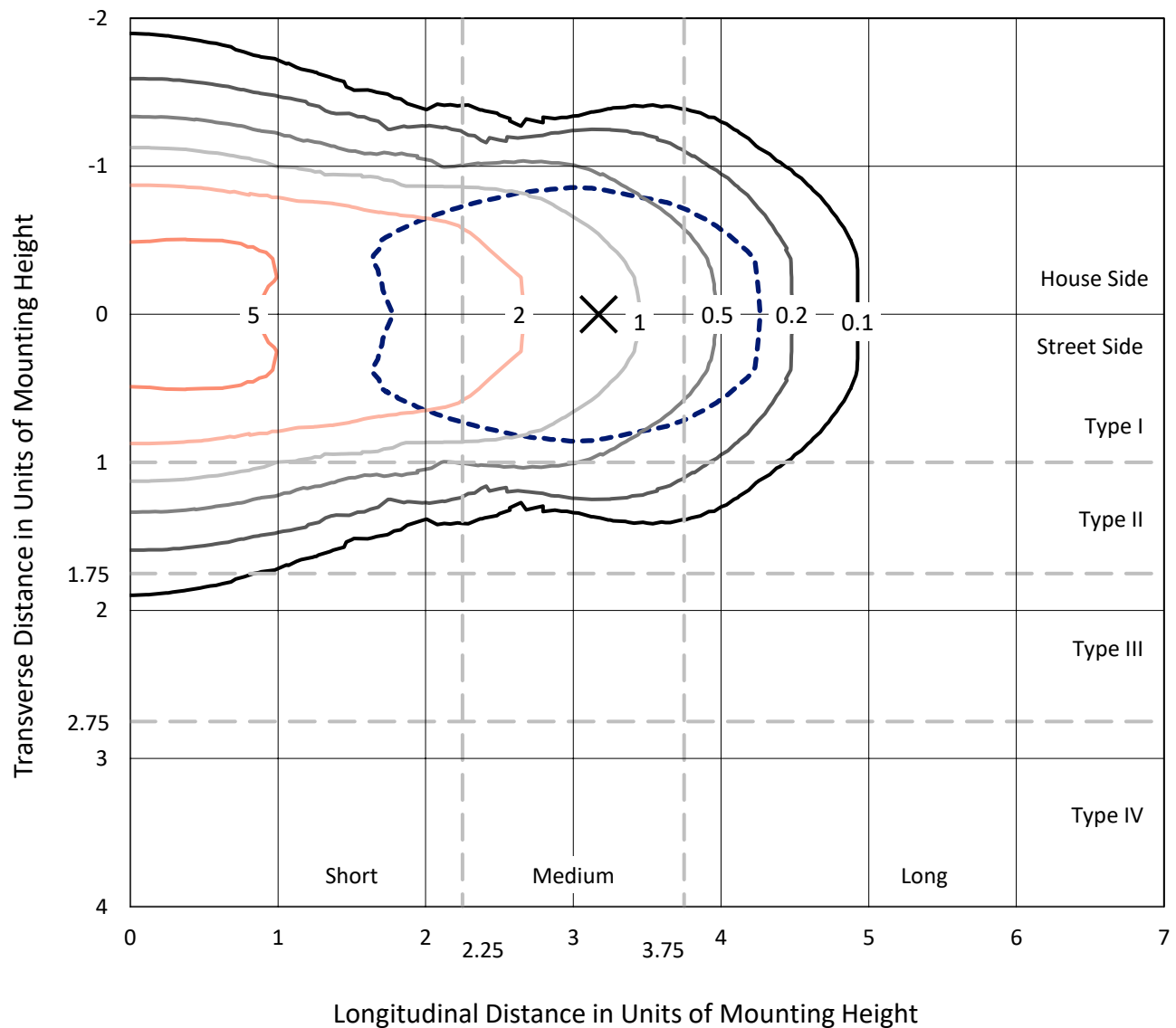


REPORT NUMBER: P941183

CATALOG NUMBER: GLAN-SB4C-835-U-T1

## Iso-Footcandle Lines of Horizontal Illumination

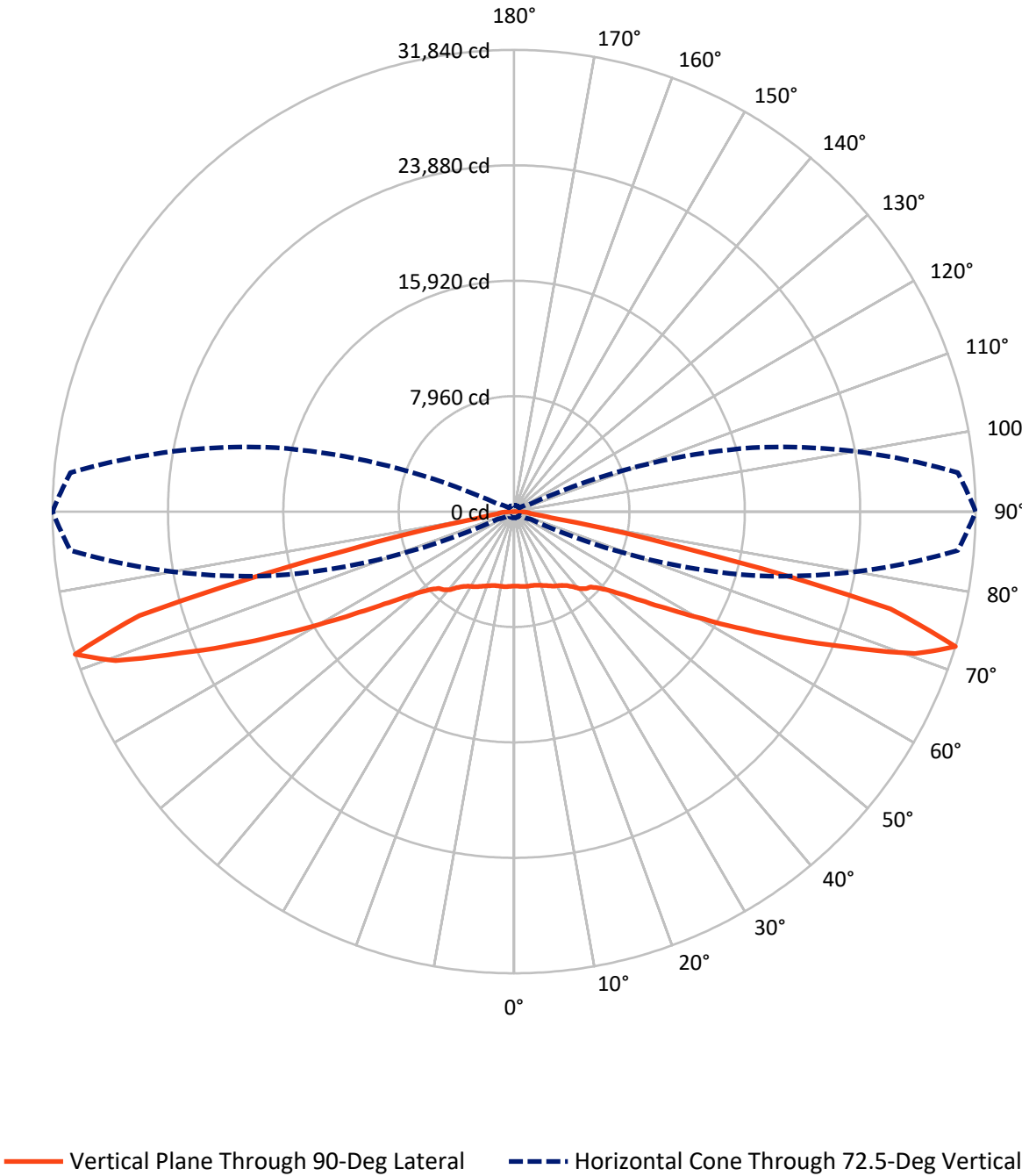
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc  
Type I - Short - N/A

REPORT NUMBER: P941183  
CATALOG NUMBER: GLAN-SB4C-835-U-T1

Luminous Intensity Polar Plot



REPORT NUMBER: P941183

CATALOG NUMBER: GLAN-SB4C-835-U-T1

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 13770.5  | 0.0    | 13770.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 13770.5  | 0.0    | 13770.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 27541.0  | 0.0    | 27541.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 499.0   | 1.8       |
| 10°-20°   | 1525.7  | 5.5       |
| 20°-30°   | 2544.0  | 9.2       |
| 30°-40°   | 3498.8  | 12.7      |
| 40°-50°   | 4273.0  | 15.5      |
| 50°-60°   | 4942.2  | 17.9      |
| 60°-70°   | 5892.8  | 21.4      |
| 70°-80°   | 4112.8  | 14.9      |
| 80°-90°   | 252.6   | 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°    | 27541.0 | 100.0     |
| 0°-180°   | 27541.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P941183

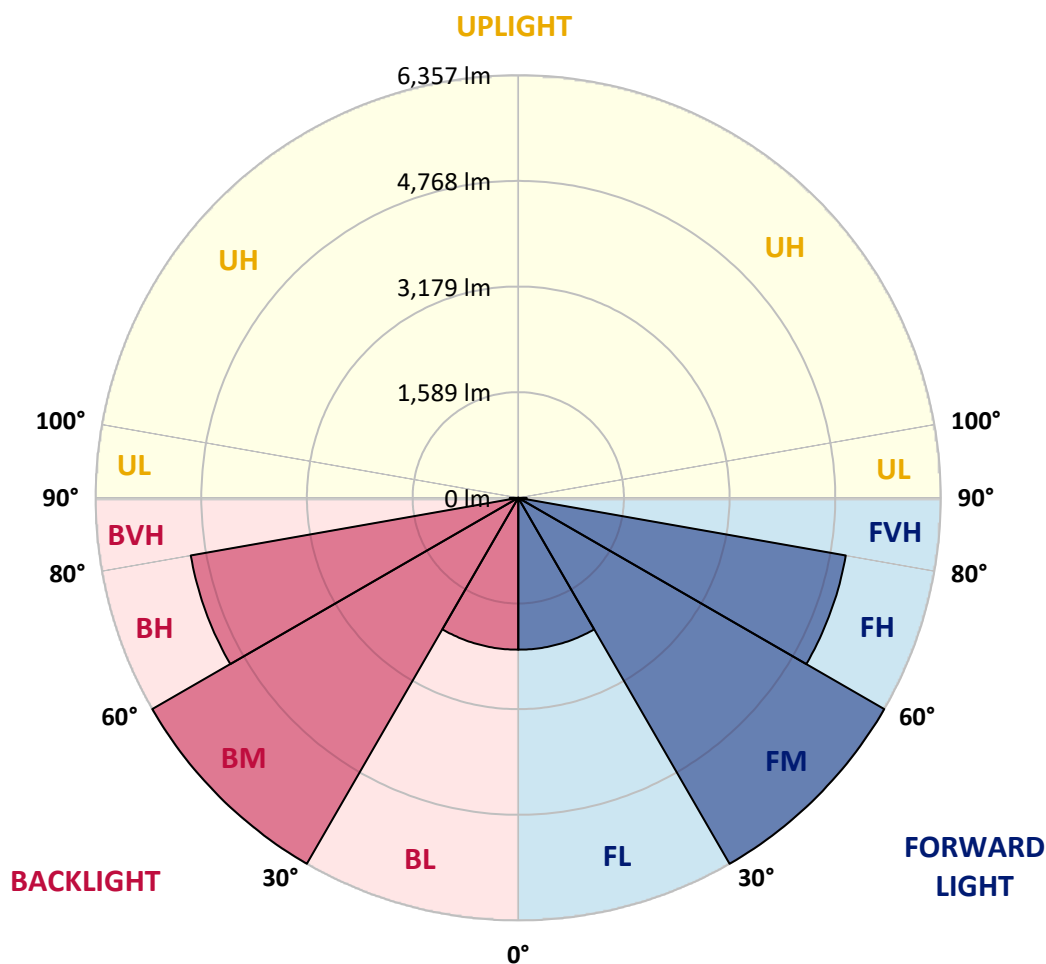
CATALOG NUMBER: GLAN-SB4C-835-U-T1

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2284.4 | 8.3       |                         |      |         |
| FM   | (30°-60°)   | 6357.0 | 23.1      |                         |      |         |
| FH   | (60°-80°)   | 5002.8 | 18.2      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 126.3  | 0.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 2284.4 | 8.3       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 6357.0 | 23.1      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 5002.8 | 18.2      | B5                      |      | G5      |
| BVH  | (80°-90°)   | 126.3  | 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



REPORT NUMBER: P941183

CATALOG NUMBER: GLAN-SB4C-835-U-T1

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°     | 75°     | 85°     |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0°    | 5146.3 | 5146.3 | 5146.3 | 5146.3 | 5146.3 | 5146.3 | 5146.3 | 5146.3  | 5146.3  | 5146.3  |
| 2.5°  | 5150.7 | 5156.6 | 5156.6 | 5152.2 | 5162.4 | 5153.6 | 5153.6 | 5149.3  | 5153.6  | 5149.3  |
| 5°    | 5177.1 | 5184.4 | 5187.3 | 5185.8 | 5199.0 | 5191.7 | 5191.7 | 5185.8  | 5187.3  | 5182.9  |
| 7.5°  | 5226.8 | 5237.1 | 5242.9 | 5250.2 | 5269.3 | 5260.5 | 5254.6 | 5237.1  | 5229.8  | 5218.0  |
| 10°   | 5242.9 | 5254.6 | 5273.7 | 5311.7 | 5355.6 | 5357.1 | 5339.5 | 5295.6  | 5262.0  | 5235.6  |
| 12.5° | 5193.2 | 5209.3 | 5248.8 | 5326.4 | 5424.4 | 5463.9 | 5436.1 | 5363.0  | 5297.1  | 5250.2  |
| 15°   | 5130.2 | 5147.8 | 5207.8 | 5324.9 | 5469.8 | 5562.0 | 5559.1 | 5462.5  | 5357.1  | 5283.9  |
| 17.5° | 5032.2 | 5049.7 | 5136.1 | 5300.0 | 5504.9 | 5657.2 | 5698.1 | 5598.6  | 5450.8  | 5352.7  |
| 20°   | 4855.1 | 4871.2 | 4991.2 | 5221.0 | 5516.6 | 5758.1 | 5865.0 | 5777.2  | 5592.8  | 5459.6  |
| 22.5° | 4625.3 | 4650.1 | 4790.7 | 5084.9 | 5488.8 | 5863.5 | 6055.3 | 5995.3  | 5758.1  | 5573.7  |
| 25°   | 4379.4 | 4405.7 | 4569.6 | 4918.0 | 5417.1 | 5939.6 | 6280.7 | 6242.6  | 5945.5  | 5715.7  |
| 27.5° | 4167.1 | 4194.9 | 4373.5 | 4752.6 | 5305.9 | 5968.9 | 6503.2 | 6522.2  | 6172.4  | 5872.3  |
| 30°   | 4000.3 | 4026.6 | 4216.9 | 4619.4 | 5162.4 | 5939.6 | 6697.8 | 6829.6  | 6403.6  | 6008.4  |
| 32.5° | 3817.3 | 3851.0 | 4051.5 | 4456.9 | 4992.6 | 5869.4 | 6867.6 | 7161.8  | 6671.5  | 6154.8  |
| 35°   | 3586.0 | 3616.8 | 3827.5 | 4234.4 | 4770.2 | 5756.7 | 7009.6 | 7530.7  | 7055.0  | 6377.3  |
| 37.5° | 3305.0 | 3334.3 | 3543.6 | 3956.3 | 4549.1 | 5598.6 | 7117.9 | 7946.4  | 7511.6  | 6697.8  |
| 40°   | 3022.5 | 3050.3 | 3246.5 | 3646.0 | 4284.2 | 5396.6 | 7156.0 | 8353.3  | 8035.6  | 7138.4  |
| 42.5° | 2763.4 | 2788.3 | 2968.4 | 3340.1 | 3987.1 | 5139.0 | 7106.2 | 8707.5  | 8505.5  | 7445.8  |
| 45°   | 2524.9 | 2546.8 | 2706.4 | 3053.3 | 3678.2 | 4825.8 | 6956.9 | 9088.0  | 9064.6  | 7665.3  |
| 47.5° | 2252.6 | 2274.6 | 2440.0 | 2775.2 | 3369.4 | 4458.4 | 6703.7 | 9462.7  | 9841.8  | 8163.0  |
| 50°   | 1920.4 | 1939.4 | 2109.2 | 2454.6 | 3048.9 | 4067.6 | 6352.4 | 9756.9  | 10822.5 | 8916.8  |
| 52.5° | 1526.6 | 1547.1 | 1712.5 | 2057.9 | 2668.3 | 3647.5 | 5889.9 | 9948.7  | 11955.4 | 10017.5 |
| 55°   | 1135.8 | 1150.5 | 1293.9 | 1604.2 | 2197.0 | 3168.9 | 5310.3 | 10002.8 | 13240.5 | 11522.2 |
| 57.5° | 824.1  | 832.8  | 925.1  | 1156.3 | 1665.7 | 2570.2 | 4606.2 | 9862.3  | 14770.1 | 13451.3 |
| 60°   | 667.4  | 670.4  | 698.2  | 800.6  | 1157.8 | 1894.0 | 3755.8 | 9379.3  | 16429.9 | 15938.1 |
| 62.5° | 606.0  | 606.0  | 613.3  | 641.1  | 783.1  | 1250.0 | 2726.9 | 8378.1  | 18209.7 | 19080.6 |
| 65°   | 563.5  | 563.5  | 566.4  | 579.6  | 617.7  | 796.2  | 1721.3 | 6747.6  | 19710.0 | 22761.8 |
| 67.5° | 525.5  | 526.9  | 525.5  | 529.9  | 551.8  | 588.4  | 998.2  | 4660.4  | 20518.0 | 26576.2 |
| 70°   | 485.9  | 488.9  | 481.6  | 481.6  | 499.1  | 500.6  | 625.0  | 2555.6  | 19847.6 | 29772.9 |
| 72.5° | 439.1  | 443.5  | 431.8  | 428.9  | 442.0  | 436.2  | 469.8  | 1226.6  | 17040.3 | 30727.2 |
| 75°   | 398.1  | 404.0  | 377.6  | 370.3  | 370.3  | 365.9  | 382.0  | 629.4   | 11059.6 | 25065.7 |
| 77.5° | 361.5  | 373.2  | 330.8  | 307.4  | 301.5  | 288.3  | 311.8  | 384.9   | 4837.5  | 11768.1 |
| 80°   | 298.6  | 314.7  | 272.2  | 244.4  | 234.2  | 219.6  | 245.9  | 269.3   | 1438.8  | 2732.7  |
| 82.5° | 222.5  | 229.8  | 193.2  | 174.2  | 165.4  | 155.2  | 184.4  | 187.4   | 468.4   | 967.5   |
| 85°   | 142.0  | 144.9  | 118.6  | 102.5  | 98.1   | 93.7   | 117.1  | 102.5   | 178.6   | 711.4   |
| 87.5° | 49.8   | 57.1   | 45.4   | 41.0   | 43.9   | 36.6   | 54.2   | 30.7    | 49.8    | 502.0   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     |

(END C

90°

5146.3  
5149.3  
5182.9  
5218.0  
5231.2  
5242.9  
5272.2  
5336.6  
5434.7  
5540.1  
5668.9  
5822.6  
5936.7  
6064.1  
6276.3  
6563.2  
6995.0  
7261.4  
7416.5  
7876.1  
8556.7  
9574.0  
10967.4  
12753.1  
15058.4  
17902.4  
21271.8  
24967.6  
29349.9  
31839.6  
26810.4  
11523.6  
2617.1  
1093.4  
1033.4  
622.1  
0.0

OF REPORT)