

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: P938973

Luminaire Tested: **GLAN-SB1B-835-U-T1**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P938973  
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-SB1B-835-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 3500K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

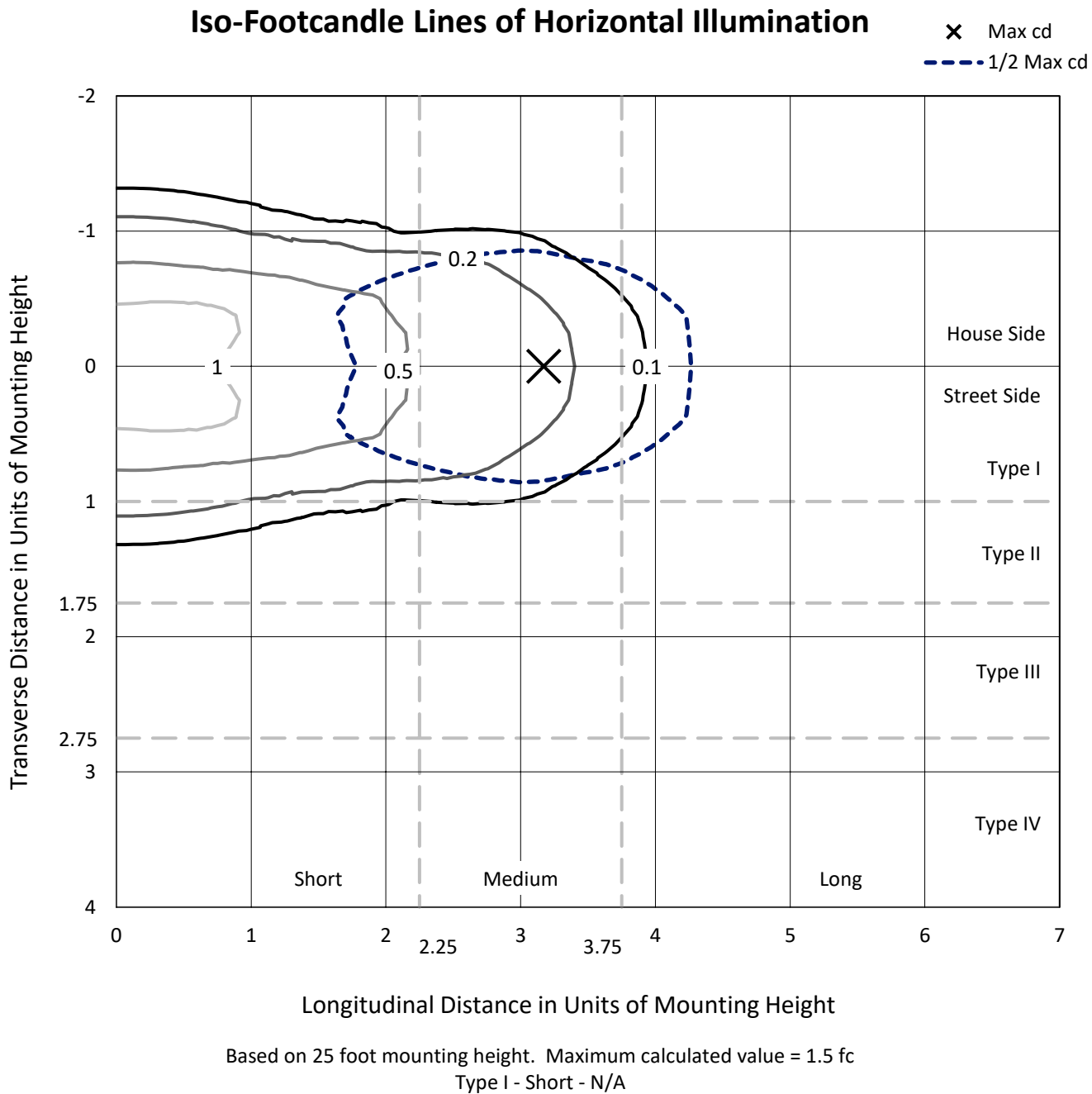
### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 5169 lumens  
Efficiency: N/A  
Efficacy: 129.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B2 - U0 - G2

Input Watts (W): 39.8  
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

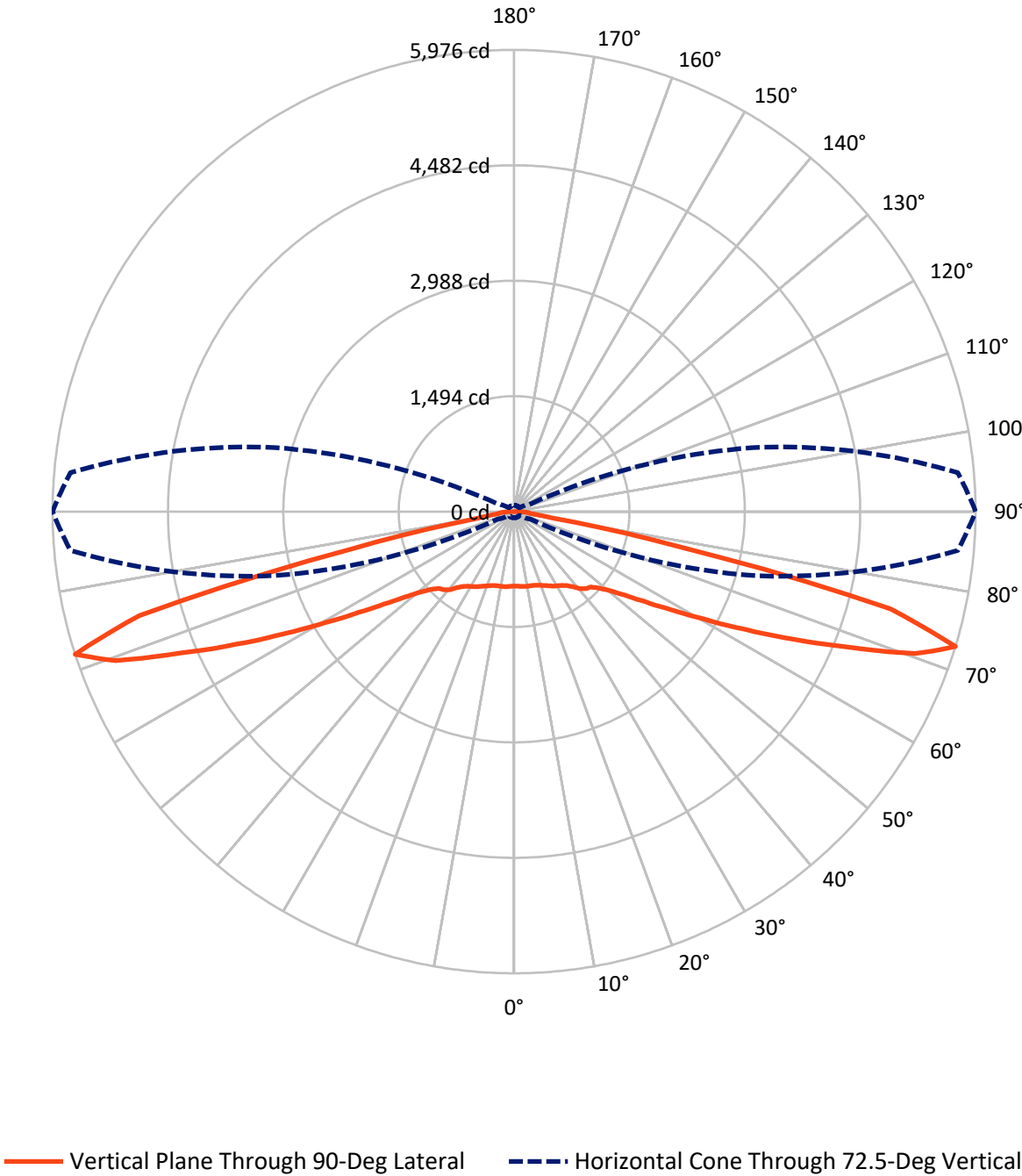


REPORT NUMBER: P938973  
CATALOG NUMBER: GLAN-SB1B-835-U-T1



REPORT NUMBER: P938973  
CATALOG NUMBER: GLAN-SB1B-835-U-T1

Luminous Intensity Polar Plot



REPORT NUMBER: P938973

CATALOG NUMBER: GLAN-SB1B-835-U-T1

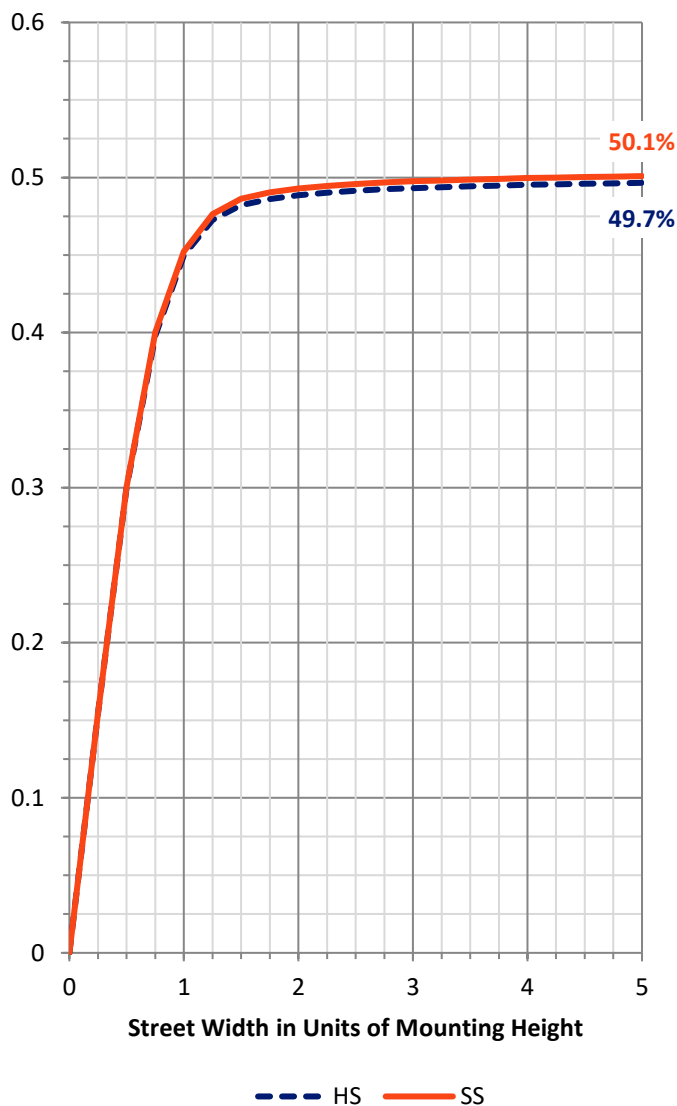
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2584.5   | 0.0    | 2584.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 2584.5   | 0.0    | 2584.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 5169.0   | 0.0    | 5169.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 93.7   | 1.8       |
| 10°-20°   | 286.4  | 5.5       |
| 20°-30°   | 477.5  | 9.2       |
| 30°-40°   | 656.7  | 12.7      |
| 40°-50°   | 802.0  | 15.5      |
| 50°-60°   | 927.6  | 17.9      |
| 60°-70°   | 1106.0 | 21.4      |
| 70°-80°   | 771.9  | 14.9      |
| 80°-90°   | 47.4   | 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°    | 5169.0 | 100.0     |
| 0°-180°   | 5169.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P938973

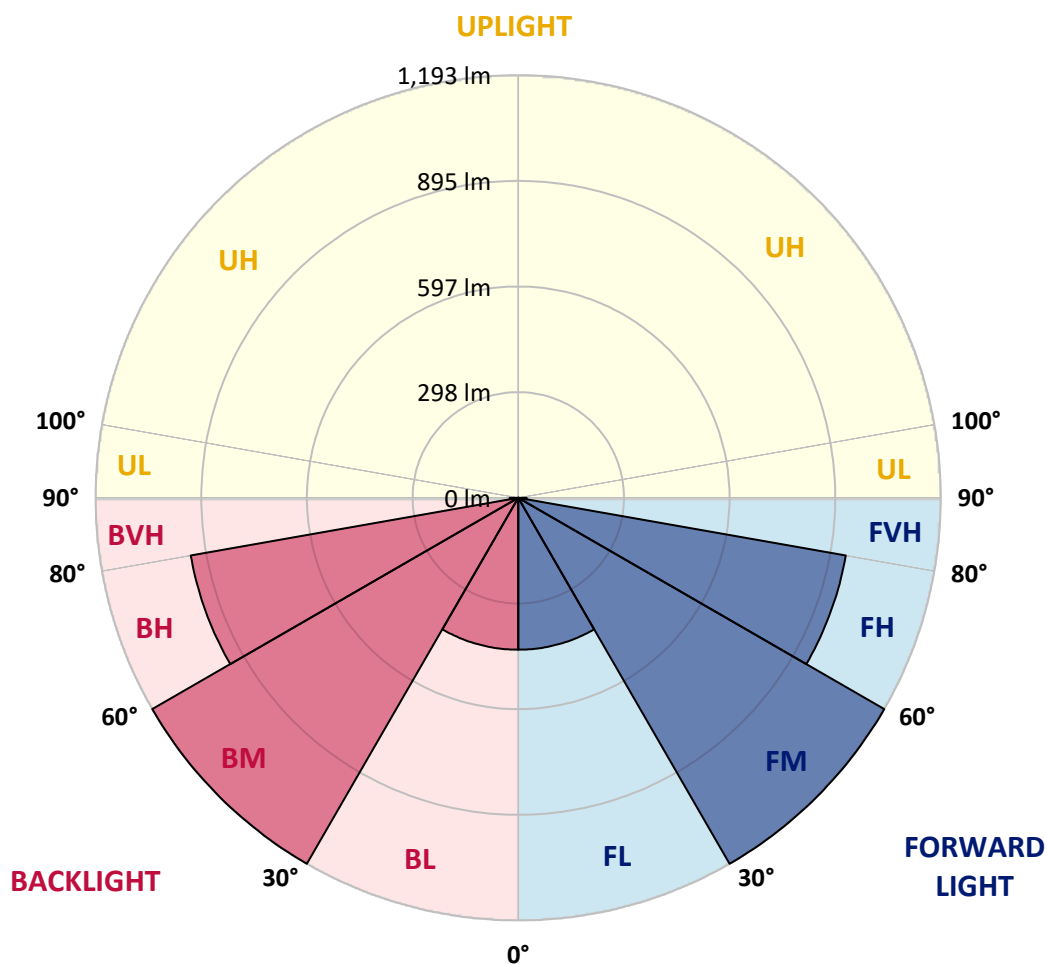
CATALOG NUMBER: GLAN-SB1B-835-U-T1

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 428.7  | 8.3       |                         |      |         |
| FM   | (30°-60°)   | 1193.1 | 23.1      |                         |      |         |
| FH   | (60°-80°)   | 938.9  | 18.2      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 23.7   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 428.7  | 8.3       | B1/500                  |      |         |
| BM   | (30°-60°)   | 1193.1 | 23.1      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 938.9  | 18.2      | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 23.7   | 0.5       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type I Short



REPORT NUMBER: P938973

CATALOG NUMBER: GLAN-SB1B-835-U-T1

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 15°   | 25°   | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 0°    | 965.9 | 965.9 | 965.9 | 965.9 | 965.9  | 965.9  | 965.9  | 965.9  | 965.9  | 965.9  |
| 2.5°  | 966.7 | 967.8 | 967.8 | 967.0 | 968.9  | 967.3  | 967.3  | 966.4  | 967.3  | 966.4  |
| 5°    | 971.7 | 973.0 | 973.6 | 973.3 | 975.8  | 974.4  | 974.4  | 973.3  | 973.6  | 972.7  |
| 7.5°  | 981.0 | 982.9 | 984.0 | 985.4 | 989.0  | 987.3  | 986.2  | 982.9  | 981.5  | 979.3  |
| 10°   | 984.0 | 986.2 | 989.8 | 996.9 | 1005.2 | 1005.4 | 1002.1 | 993.9  | 987.6  | 982.6  |
| 12.5° | 974.7 | 977.7 | 985.1 | 999.7 | 1018.1 | 1025.5 | 1020.3 | 1006.5 | 994.2  | 985.4  |
| 15°   | 962.9 | 966.2 | 977.4 | 999.4 | 1026.6 | 1043.9 | 1043.4 | 1025.2 | 1005.4 | 991.7  |
| 17.5° | 944.5 | 947.8 | 964.0 | 994.7 | 1033.2 | 1061.8 | 1069.4 | 1050.8 | 1023.0 | 1004.6 |
| 20°   | 911.2 | 914.2 | 936.8 | 979.9 | 1035.4 | 1080.7 | 1100.8 | 1084.3 | 1049.7 | 1024.7 |
| 22.5° | 868.1 | 872.8 | 899.1 | 954.3 | 1030.2 | 1100.5 | 1136.5 | 1125.2 | 1080.7 | 1046.1 |
| 25°   | 821.9 | 826.9 | 857.6 | 923.0 | 1016.7 | 1114.8 | 1178.8 | 1171.6 | 1115.9 | 1072.7 |
| 27.5° | 782.1 | 787.3 | 820.8 | 892.0 | 995.8  | 1120.3 | 1220.5 | 1224.1 | 1158.5 | 1102.1 |
| 30°   | 750.8 | 755.7 | 791.4 | 867.0 | 968.9  | 1114.8 | 1257.1 | 1281.8 | 1201.9 | 1127.7 |
| 32.5° | 716.4 | 722.8 | 760.4 | 836.5 | 937.0  | 1101.6 | 1288.9 | 1344.2 | 1252.1 | 1155.2 |
| 35°   | 673.0 | 678.8 | 718.4 | 794.7 | 895.3  | 1080.4 | 1315.6 | 1413.4 | 1324.1 | 1196.9 |
| 37.5° | 620.3 | 625.8 | 665.1 | 742.5 | 853.8  | 1050.8 | 1335.9 | 1491.4 | 1409.8 | 1257.1 |
| 40°   | 567.3 | 572.5 | 609.3 | 684.3 | 804.1  | 1012.9 | 1343.1 | 1567.8 | 1508.2 | 1339.8 |
| 42.5° | 518.7 | 523.3 | 557.1 | 626.9 | 748.3  | 964.5  | 1333.7 | 1634.3 | 1596.3 | 1397.5 |
| 45°   | 473.9 | 478.0 | 507.9 | 573.0 | 690.3  | 905.7  | 1305.7 | 1705.7 | 1701.3 | 1438.7 |
| 47.5° | 422.8 | 426.9 | 457.9 | 520.9 | 632.4  | 836.8  | 1258.2 | 1776.0 | 1847.2 | 1532.1 |
| 50°   | 360.4 | 364.0 | 395.9 | 460.7 | 572.2  | 763.4  | 1192.2 | 1831.2 | 2031.2 | 1673.5 |
| 52.5° | 286.5 | 290.4 | 321.4 | 386.2 | 500.8  | 684.6  | 1105.4 | 1867.2 | 2243.8 | 1880.1 |
| 55°   | 213.2 | 215.9 | 242.8 | 301.1 | 412.3  | 594.7  | 996.6  | 1877.4 | 2485.0 | 2162.5 |
| 57.5° | 154.7 | 156.3 | 173.6 | 217.0 | 312.6  | 482.4  | 864.5  | 1851.0 | 2772.1 | 2524.6 |
| 60°   | 125.3 | 125.8 | 131.0 | 150.3 | 217.3  | 355.5  | 704.9  | 1760.3 | 3083.6 | 2991.3 |
| 62.5° | 113.7 | 113.7 | 115.1 | 120.3 | 147.0  | 234.6  | 511.8  | 1572.4 | 3417.7 | 3581.1 |
| 65°   | 105.8 | 105.8 | 106.3 | 108.8 | 115.9  | 149.4  | 323.1  | 1266.4 | 3699.3 | 4272.0 |
| 67.5° | 98.6  | 98.9  | 98.6  | 99.4  | 103.6  | 110.4  | 187.4  | 874.7  | 3850.9 | 4987.9 |
| 70°   | 91.2  | 91.8  | 90.4  | 90.4  | 93.7   | 94.0   | 117.3  | 479.6  | 3725.1 | 5587.9 |
| 72.5° | 82.4  | 83.2  | 81.0  | 80.5  | 83.0   | 81.9   | 88.2   | 230.2  | 3198.2 | 5767.0 |
| 75°   | 74.7  | 75.8  | 70.9  | 69.5  | 69.5   | 68.7   | 71.7   | 118.1  | 2075.7 | 4704.4 |
| 77.5° | 67.9  | 70.1  | 62.1  | 57.7  | 56.6   | 54.1   | 58.5   | 72.2   | 907.9  | 2208.7 |
| 80°   | 56.0  | 59.1  | 51.1  | 45.9  | 44.0   | 41.2   | 46.2   | 50.5   | 270.0  | 512.9  |
| 82.5° | 41.8  | 43.1  | 36.3  | 32.7  | 31.0   | 29.1   | 34.6   | 35.2   | 87.9   | 181.6  |
| 85°   | 26.6  | 27.2  | 22.3  | 19.2  | 18.4   | 17.6   | 22.0   | 19.2   | 33.5   | 133.5  |
| 87.5° | 9.3   | 10.7  | 8.5   | 7.7   | 8.2    | 6.9    | 10.2   | 5.8    | 9.3    | 94.2   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END C

90°

965.9  
966.4  
972.7  
979.3  
981.8  
984.0  
989.5  
1001.6  
1020.0  
1039.8  
1064.0  
1092.8  
1114.2  
1138.1  
1178.0  
1231.8  
1312.8  
1362.8  
1392.0  
1478.2  
1606.0  
1796.9  
2058.4  
2393.6  
2826.2  
3360.0  
3992.4  
4686.0  
5508.5  
5975.8  
5031.9  
2162.8  
491.2  
205.2  
193.9  
116.8  
0.0

OF REPORT)