

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: P945632

Luminaire Tested: **GLAN-SB1C-740-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P945632  
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-SB1C-740-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 4000K, 615mA LIGHTSQUARE WITH 26 LEDS AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

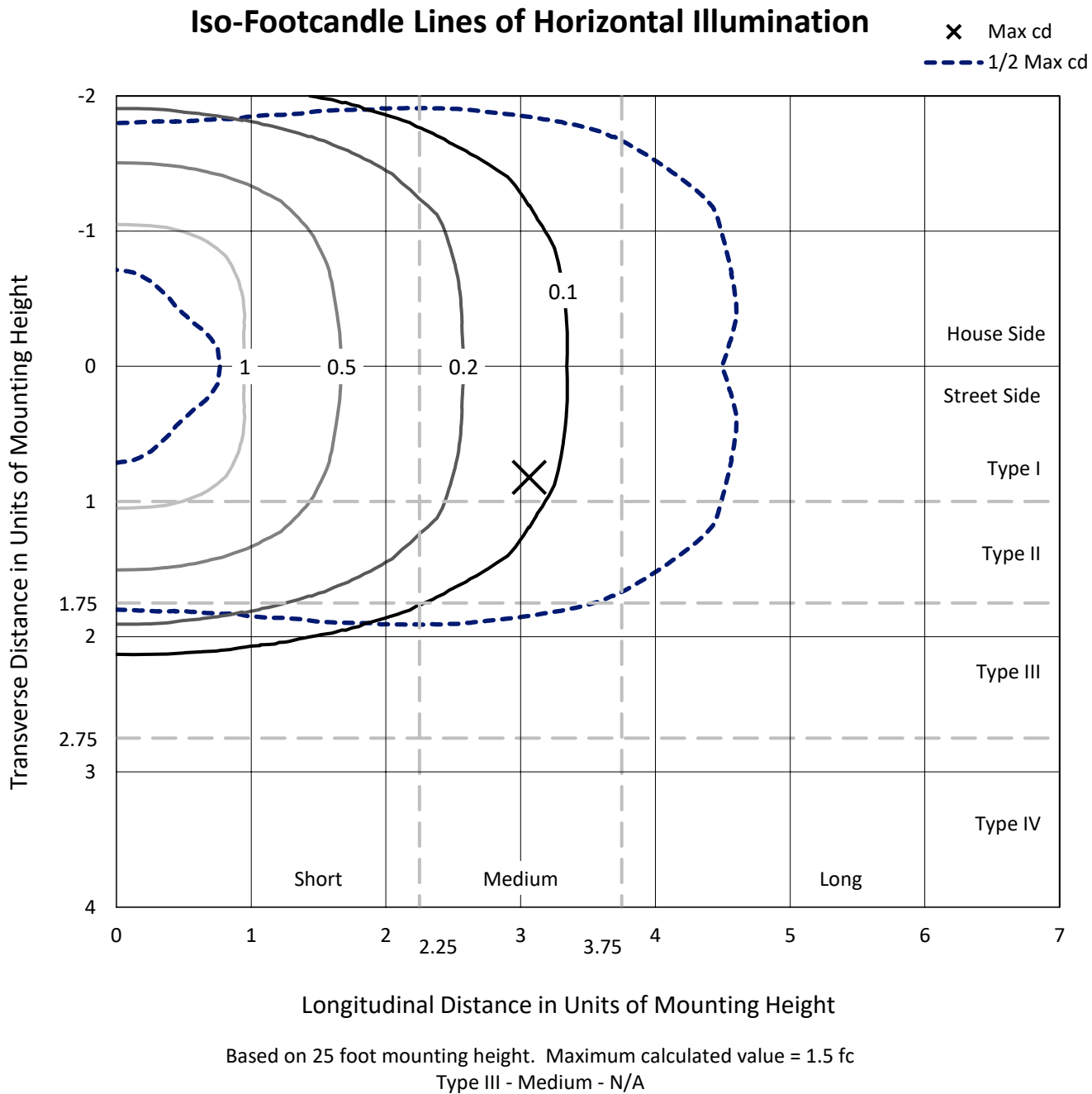
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8162 lumens  
Efficiency: N/A  
Efficacy: 150.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G3

Input Watts (W): 54.4  
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

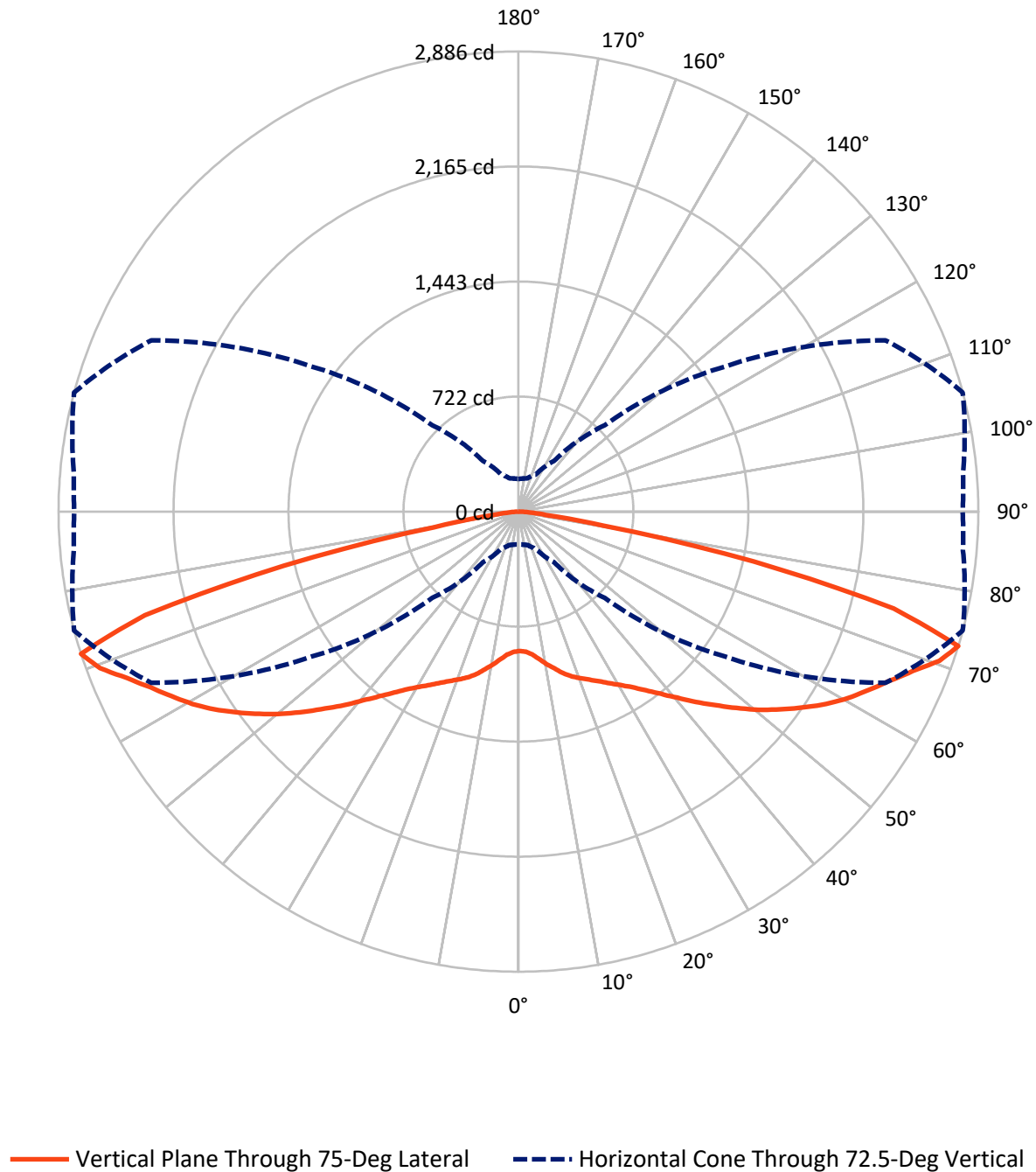


REPORT NUMBER: P945632  
CATALOG NUMBER: GLAN-SB1C-740-U-RW



REPORT NUMBER: P945632  
CATALOG NUMBER: GLAN-SB1C-740-U-RW

## Luminous Intensity Polar Plot



REPORT NUMBER: P945632

CATALOG NUMBER: GLAN-SB1C-740-U-RW

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 4081.0   | 0.0    | 4081.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 4081.0   | 0.0    | 4081.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 8162.0   | 0.0    | 8162.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 85.6   | 1.0       |
| 10°-20°   | 282.5  | 3.5       |
| 20°-30°   | 545.8  | 6.7       |
| 30°-40°   | 921.6  | 11.3      |
| 40°-50°   | 1461.6 | 17.9      |
| 50°-60°   | 1957.0 | 24.0      |
| 60°-70°   | 1862.4 | 22.8      |
| 70°-80°   | 971.8  | 11.9      |
| 80°-90°   | 73.6   | 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°    | 8162.0 | 100.0     |
| 0°-180°   | 8162.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P945632

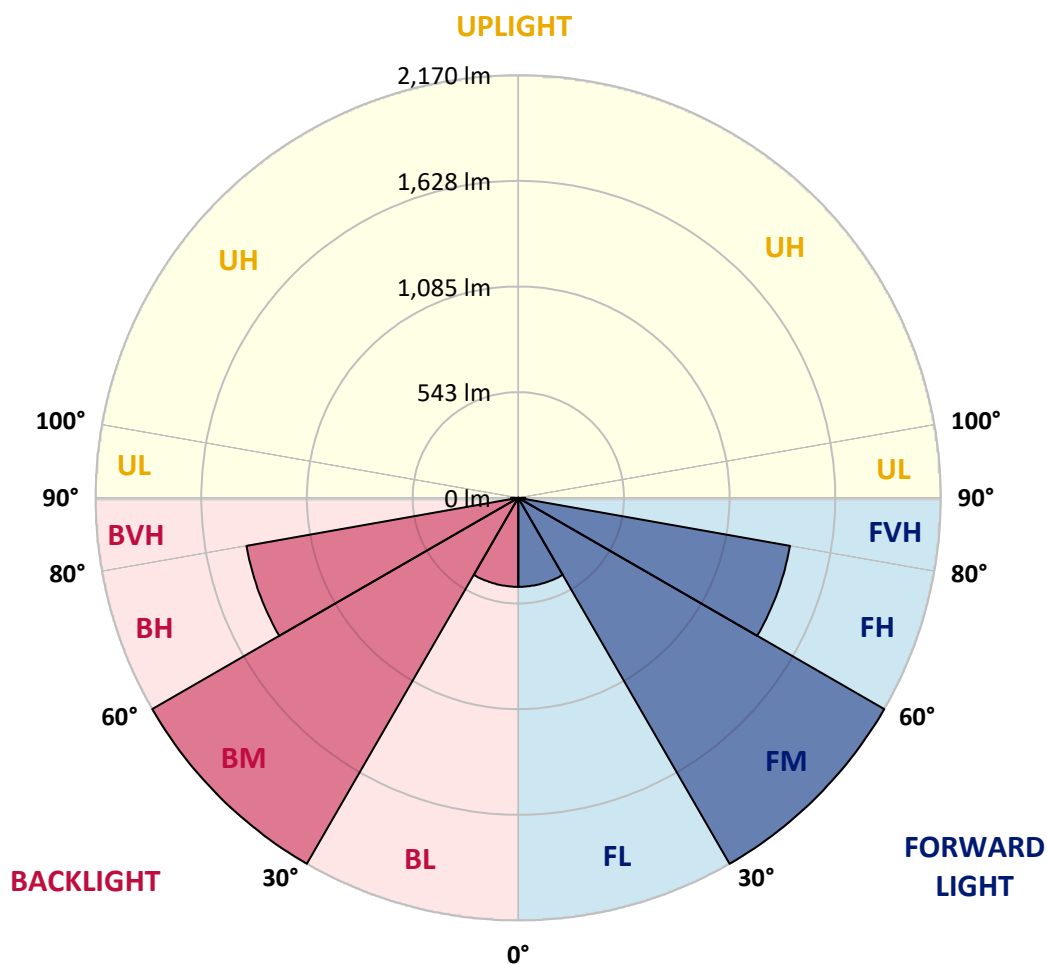
CATALOG NUMBER: GLAN-SB1C-740-U-RW

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 457.0  | 5.6       |                         |      |         |
| FM   | (30°-60°)   | 2170.1 | 26.6      |                         |      |         |
| FH   | (60°-80°)   | 1417.1 | 17.4      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 36.8   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 457.0  | 5.6       | B1/500                  |      |         |
| BM   | (30°-60°)   | 2170.1 | 26.6      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1417.1 | 17.4      | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 36.8   | 0.5       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G3**

Type III Medium



REPORT NUMBER: P945632

CATALOG NUMBER: GLAN-SB1C-740-U-RW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 874.3  | 874.3  | 874.3  | 874.3  | 874.3  | 874.3  | 874.3  | 874.3  | 874.3  | 874.3  |
| 2.5°  | 874.3  | 873.5  | 874.3  | 875.1  | 874.7  | 874.7  | 876.8  | 878.0  | 880.5  | 880.1  |
| 5°    | 868.5  | 868.0  | 871.4  | 875.1  | 878.0  | 883.0  | 889.3  | 893.9  | 899.7  | 901.0  |
| 7.5°  | 865.5  | 864.3  | 870.1  | 876.8  | 886.0  | 898.5  | 910.6  | 923.1  | 933.1  | 936.4  |
| 10°   | 867.6  | 868.0  | 876.0  | 888.5  | 903.1  | 920.6  | 937.6  | 958.9  | 973.1  | 976.4  |
| 12.5° | 877.2  | 876.4  | 889.7  | 909.7  | 929.7  | 951.8  | 971.8  | 995.1  | 1010.6 | 1018.5 |
| 15°   | 894.7  | 893.0  | 911.8  | 941.4  | 970.6  | 996.4  | 1012.7 | 1034.7 | 1052.7 | 1062.7 |
| 17.5° | 915.6  | 916.4  | 941.0  | 979.3  | 1017.7 | 1046.8 | 1062.2 | 1073.5 | 1087.2 | 1096.0 |
| 20°   | 952.2  | 953.9  | 981.4  | 1026.8 | 1070.6 | 1103.9 | 1116.4 | 1112.2 | 1116.0 | 1122.7 |
| 22.5° | 1001.4 | 1002.2 | 1033.1 | 1082.2 | 1128.1 | 1164.8 | 1173.1 | 1156.0 | 1145.6 | 1150.2 |
| 25°   | 1058.5 | 1063.9 | 1094.7 | 1145.2 | 1192.3 | 1227.3 | 1231.0 | 1205.2 | 1179.3 | 1180.6 |
| 27.5° | 1128.1 | 1133.1 | 1164.3 | 1214.3 | 1262.3 | 1292.7 | 1292.3 | 1257.7 | 1219.8 | 1210.2 |
| 30°   | 1203.5 | 1208.9 | 1241.0 | 1292.7 | 1337.3 | 1364.0 | 1358.1 | 1316.9 | 1262.7 | 1244.8 |
| 32.5° | 1293.1 | 1296.4 | 1328.9 | 1380.6 | 1421.9 | 1443.1 | 1431.0 | 1380.2 | 1312.7 | 1292.3 |
| 35°   | 1401.5 | 1406.5 | 1430.6 | 1479.4 | 1515.6 | 1533.1 | 1512.7 | 1452.7 | 1376.9 | 1354.0 |
| 37.5° | 1525.2 | 1521.9 | 1549.4 | 1592.7 | 1622.7 | 1633.6 | 1605.7 | 1534.4 | 1450.2 | 1423.1 |
| 40°   | 1654.4 | 1652.7 | 1682.7 | 1724.4 | 1740.7 | 1747.3 | 1706.1 | 1628.2 | 1534.8 | 1505.6 |
| 42.5° | 1771.5 | 1770.3 | 1810.7 | 1856.9 | 1876.5 | 1869.0 | 1816.9 | 1727.8 | 1632.7 | 1599.4 |
| 45°   | 1865.3 | 1863.6 | 1913.2 | 1978.2 | 2016.5 | 2004.0 | 1934.0 | 1837.8 | 1731.9 | 1697.3 |
| 47.5° | 1937.4 | 1938.2 | 1991.5 | 2072.0 | 2139.1 | 2143.7 | 2053.6 | 1949.9 | 1841.1 | 1801.9 |
| 50°   | 1989.5 | 1992.0 | 2049.1 | 2138.2 | 2229.9 | 2270.3 | 2175.7 | 2064.9 | 1954.0 | 1909.9 |
| 52.5° | 2002.4 | 2007.0 | 2075.7 | 2180.3 | 2288.3 | 2365.4 | 2299.9 | 2175.3 | 2061.1 | 2019.0 |
| 55°   | 1933.6 | 1942.8 | 2029.9 | 2177.0 | 2324.1 | 2427.9 | 2409.1 | 2287.4 | 2169.1 | 2125.7 |
| 57.5° | 1775.7 | 1788.6 | 1890.3 | 2082.4 | 2316.2 | 2470.8 | 2493.7 | 2394.9 | 2277.0 | 2235.3 |
| 60°   | 1554.4 | 1569.8 | 1667.3 | 1876.9 | 2204.5 | 2486.6 | 2553.3 | 2499.5 | 2376.2 | 2335.8 |
| 62.5° | 1220.6 | 1240.6 | 1357.3 | 1603.2 | 1968.6 | 2412.9 | 2604.1 | 2594.1 | 2465.4 | 2414.9 |
| 65°   | 783.0  | 804.3  | 927.2  | 1217.7 | 1654.0 | 2187.0 | 2620.0 | 2686.2 | 2559.5 | 2489.1 |
| 67.5° | 472.2  | 481.7  | 542.6  | 738.0  | 1208.9 | 1846.5 | 2485.8 | 2788.3 | 2669.6 | 2582.0 |
| 70°   | 302.1  | 307.5  | 343.8  | 433.4  | 683.4  | 1347.3 | 2153.2 | 2807.5 | 2802.9 | 2677.5 |
| 72.5° | 205.0  | 206.7  | 216.3  | 256.7  | 386.7  | 765.5  | 1588.2 | 2541.6 | 2886.3 | 2800.4 |
| 75°   | 150.0  | 159.2  | 174.6  | 181.7  | 219.6  | 382.6  | 910.1  | 1785.7 | 2432.4 | 2469.9 |
| 77.5° | 111.7  | 112.1  | 133.4  | 141.7  | 156.7  | 203.8  | 385.1  | 996.8  | 1510.2 | 1585.7 |
| 80°   | 94.6   | 89.6   | 89.2   | 114.2  | 117.9  | 127.1  | 172.1  | 344.2  | 540.9  | 328.0  |
| 82.5° | 78.8   | 73.3   | 66.3   | 89.2   | 80.4   | 77.9   | 74.6   | 140.0  | 172.1  | 84.6   |
| 85°   | 55.0   | 52.5   | 50.0   | 58.3   | 45.8   | 39.2   | 35.8   | 65.4   | 72.5   | 35.8   |
| 87.5° | 23.8   | 24.6   | 25.0   | 25.8   | 19.2   | 13.8   | 13.8   | 18.3   | 18.3   | 14.2   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END C

| 90°    |
|--------|
| 874.3  |
| 879.7  |
| 901.0  |
| 937.2  |
| 979.7  |
| 1021.8 |
| 1066.4 |
| 1100.2 |
| 1127.7 |
| 1153.5 |
| 1182.7 |
| 1213.1 |
| 1246.9 |
| 1297.3 |
| 1357.3 |
| 1428.1 |
| 1515.2 |
| 1607.7 |
| 1705.3 |
| 1813.6 |
| 1923.2 |
| 2029.9 |
| 2137.8 |
| 2244.9 |
| 2344.5 |
| 2420.8 |
| 2497.9 |
| 2588.7 |
| 2676.6 |
| 2787.1 |
| 2379.1 |
| 1414.4 |
| 248.0  |
| 72.1   |
| 31.7   |
| 10.4   |
| 0.0    |

OF REPORT)