

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: P945905

Luminaire Tested: **GLAN-SB1D-722-U-RW**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P945905  
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-SB1D-722-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 2200K, 900mA LIGHTSQUARE WITH 26 LEDS AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 8659 lumens  
Efficiency: N/A  
Efficacy: 108.8 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): 79.6  
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



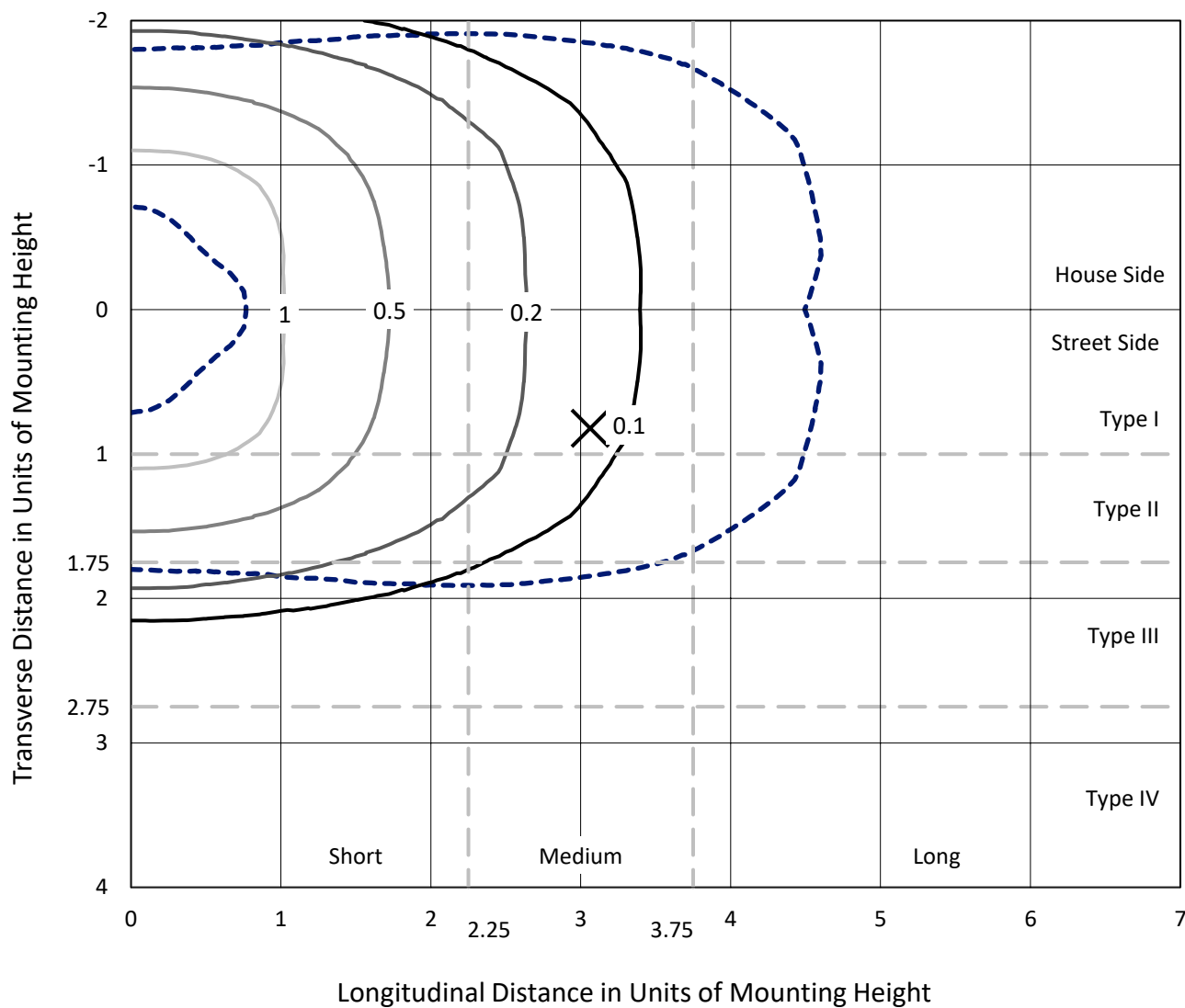
REPORT NUMBER: P945905

CATALOG NUMBER: GLAN-SB1D-722-U-RW

## Iso-Footcandle Lines of Horizontal Illumination

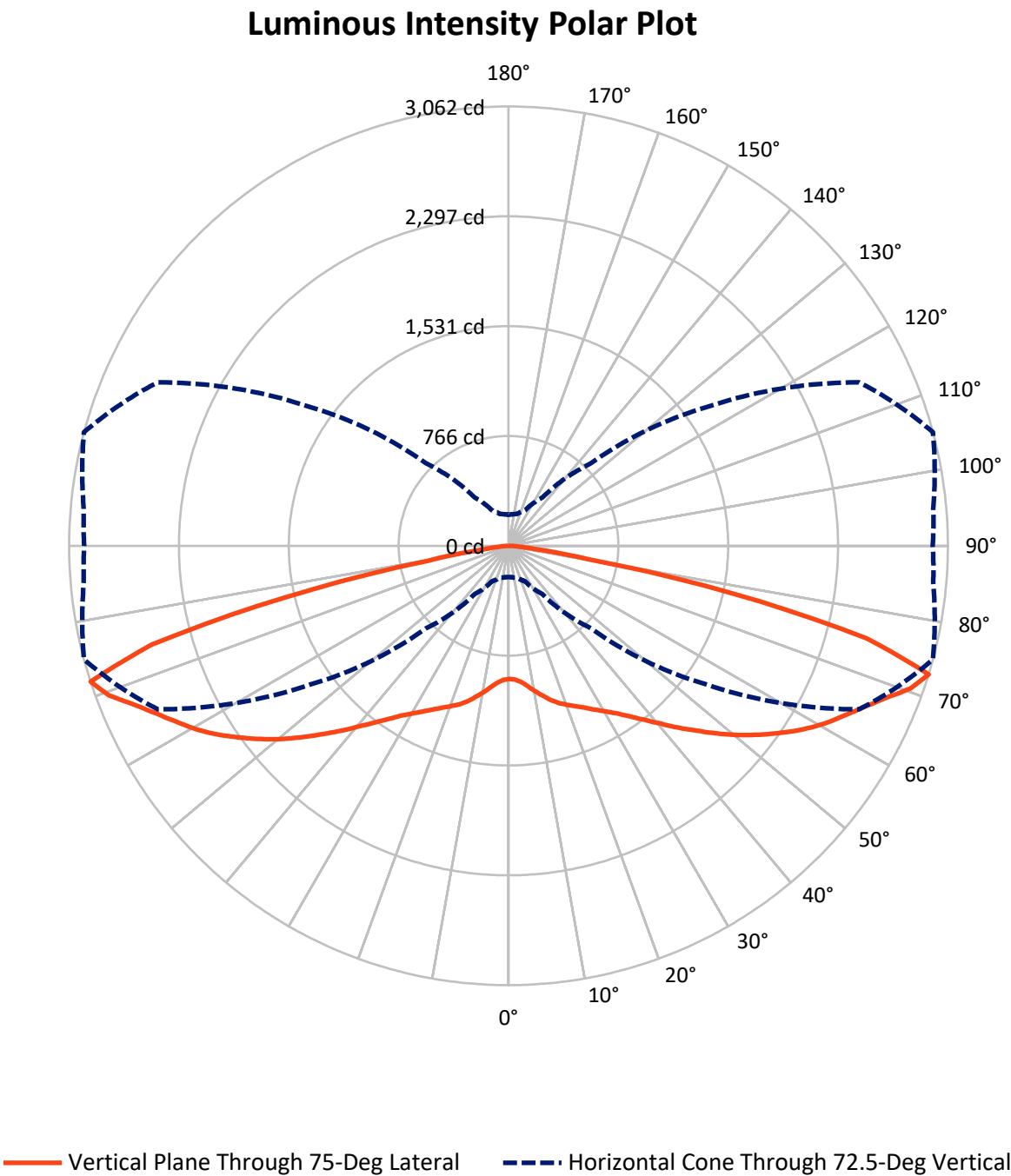
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc  
Type III - Medium - N/A

REPORT NUMBER: P945905  
CATALOG NUMBER: GLAN-SB1D-722-U-RW



REPORT NUMBER: P945905

CATALOG NUMBER: GLAN-SB1D-722-U-RW

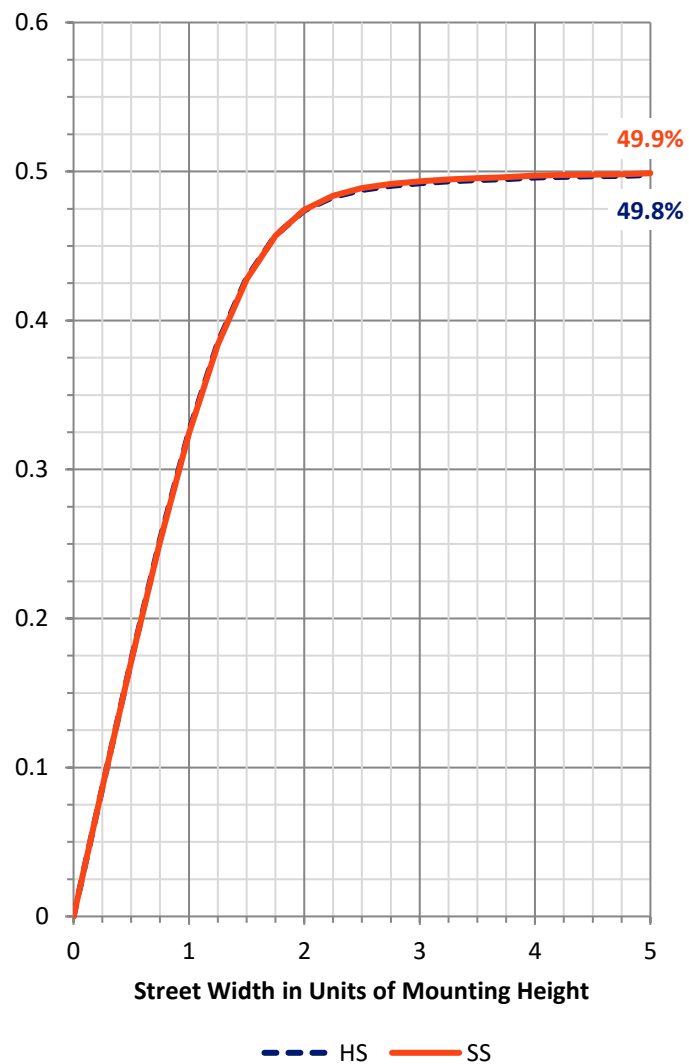
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 4329.5   | 0.0    | 4329.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 4329.5   | 0.0    | 4329.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 8659.0   | 0.0    | 8659.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 90.9   | 1.0       |
| 10°-20°   | 299.7  | 3.5       |
| 20°-30°   | 579.1  | 6.7       |
| 30°-40°   | 977.8  | 11.3      |
| 40°-50°   | 1550.6 | 17.9      |
| 50°-60°   | 2076.1 | 24.0      |
| 60°-70°   | 1975.8 | 22.8      |
| 70°-80°   | 1031.0 | 11.9      |
| 80°-90°   | 78.0   | 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°    | 8659.0 | 100.0     |
| 0°-180°   | 8659.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P945905

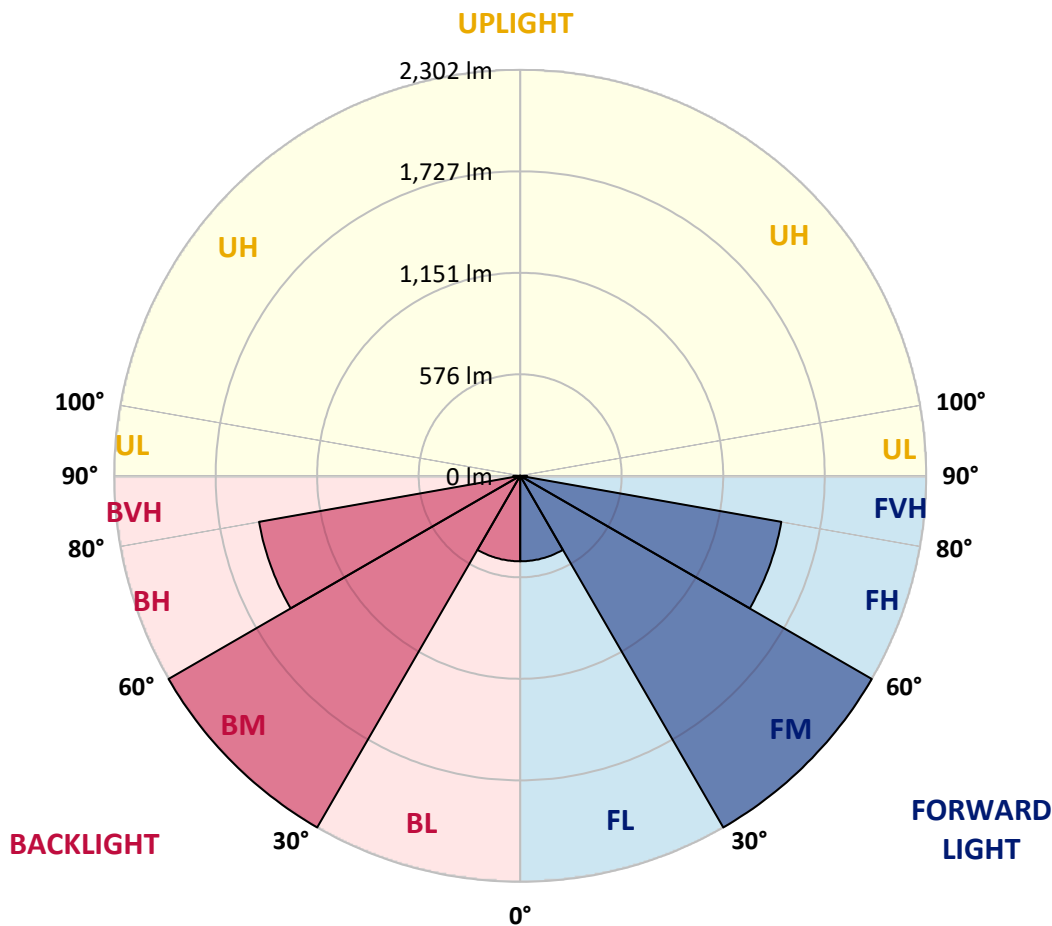
CATALOG NUMBER: GLAN-SB1D-722-U-RW

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 484.8  | 5.6       |                         |      |         |
| FM   | (30°-60°)   | 2302.3 | 26.6      |                         |      |         |
| FH   | (60°-80°)   | 1503.4 | 17.4      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 39.0   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 484.8  | 5.6       | B1/500                  |      |         |
| BM   | (30°-60°)   | 2302.3 | 26.6      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1503.4 | 17.4      | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 39.0   | 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: P945905

CATALOG NUMBER: GLAN-SB1D-722-U-RW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 927.5  | 927.5  | 927.5  | 927.5  | 927.5  | 927.5  | 927.5  | 927.5  | 927.5  | 927.5  |
| 2.5°  | 927.5  | 926.6  | 927.5  | 928.4  | 928.0  | 928.0  | 930.2  | 931.5  | 934.2  | 933.7  |
| 5°    | 921.3  | 920.9  | 924.4  | 928.4  | 931.5  | 936.8  | 943.4  | 948.3  | 954.5  | 955.8  |
| 7.5°  | 918.2  | 916.9  | 923.1  | 930.2  | 939.9  | 953.2  | 966.0  | 979.3  | 989.9  | 993.4  |
| 10°   | 920.5  | 920.9  | 929.3  | 942.6  | 958.0  | 976.6  | 994.7  | 1017.3 | 1032.3 | 1035.8 |
| 12.5° | 930.6  | 929.7  | 943.9  | 965.1  | 986.3  | 1009.8 | 1031.0 | 1055.7 | 1072.1 | 1080.5 |
| 15°   | 949.2  | 947.4  | 967.3  | 998.7  | 1029.7 | 1057.1 | 1074.3 | 1097.7 | 1116.8 | 1127.4 |
| 17.5° | 971.3  | 972.2  | 998.3  | 1038.9 | 1079.6 | 1110.6 | 1126.9 | 1138.9 | 1153.4 | 1162.7 |
| 20°   | 1010.2 | 1012.0 | 1041.2 | 1089.3 | 1135.8 | 1171.1 | 1184.4 | 1180.0 | 1184.0 | 1191.0 |
| 22.5° | 1062.4 | 1063.3 | 1096.0 | 1148.1 | 1196.8 | 1235.7 | 1244.5 | 1226.4 | 1215.3 | 1220.2 |
| 25°   | 1122.9 | 1128.7 | 1161.4 | 1214.9 | 1264.9 | 1302.0 | 1306.0 | 1278.6 | 1251.2 | 1252.5 |
| 27.5° | 1196.8 | 1202.1 | 1235.2 | 1288.3 | 1339.1 | 1371.4 | 1371.0 | 1334.3 | 1294.0 | 1283.9 |
| 30°   | 1276.8 | 1282.5 | 1316.6 | 1371.4 | 1418.7 | 1447.0 | 1440.8 | 1397.0 | 1339.6 | 1320.6 |
| 32.5° | 1371.8 | 1375.4 | 1409.9 | 1464.7 | 1508.5 | 1531.0 | 1518.2 | 1464.2 | 1392.6 | 1371.0 |
| 35°   | 1486.8 | 1492.1 | 1517.7 | 1569.5 | 1607.9 | 1626.5 | 1604.8 | 1541.2 | 1460.7 | 1436.4 |
| 37.5° | 1618.1 | 1614.6 | 1643.7 | 1689.7 | 1721.6 | 1733.0 | 1703.4 | 1627.8 | 1538.5 | 1509.8 |
| 40°   | 1755.2 | 1753.4 | 1785.2 | 1829.4 | 1846.7 | 1853.7 | 1810.0 | 1727.3 | 1628.3 | 1597.3 |
| 42.5° | 1879.4 | 1878.1 | 1920.9 | 1970.0 | 1990.8 | 1982.8 | 1927.6 | 1833.0 | 1732.2 | 1696.8 |
| 45°   | 1978.9 | 1977.1 | 2029.7 | 2098.7 | 2139.3 | 2126.1 | 2051.8 | 1949.7 | 1837.4 | 1800.7 |
| 47.5° | 2055.3 | 2056.2 | 2112.8 | 2198.1 | 2269.3 | 2274.2 | 2178.7 | 2068.6 | 1953.2 | 1911.7 |
| 50°   | 2110.6 | 2113.3 | 2173.8 | 2268.4 | 2365.7 | 2408.6 | 2308.2 | 2190.6 | 2073.0 | 2026.2 |
| 52.5° | 2124.3 | 2129.2 | 2202.1 | 2313.1 | 2427.6 | 2509.4 | 2440.0 | 2307.8 | 2186.6 | 2142.0 |
| 55°   | 2051.4 | 2061.1 | 2153.5 | 2309.6 | 2465.6 | 2575.7 | 2555.8 | 2426.7 | 2301.2 | 2255.2 |
| 57.5° | 1883.8 | 1897.5 | 2005.4 | 2209.2 | 2457.2 | 2621.2 | 2645.5 | 2540.8 | 2415.7 | 2371.4 |
| 60°   | 1649.0 | 1665.4 | 1768.9 | 1991.2 | 2338.7 | 2638.0 | 2708.8 | 2651.7 | 2520.9 | 2478.0 |
| 62.5° | 1294.9 | 1316.1 | 1439.9 | 1700.8 | 2088.5 | 2559.8 | 2762.7 | 2752.1 | 2615.5 | 2562.0 |
| 65°   | 830.7  | 853.3  | 983.7  | 1291.8 | 1754.7 | 2320.2 | 2779.5 | 2849.8 | 2715.4 | 2640.7 |
| 67.5° | 500.9  | 511.1  | 575.6  | 783.0  | 1282.5 | 1959.0 | 2637.1 | 2958.1 | 2832.1 | 2739.3 |
| 70°   | 320.5  | 326.3  | 364.7  | 459.8  | 725.1  | 1429.3 | 2284.4 | 2978.5 | 2973.6 | 2840.5 |
| 72.5° | 217.5  | 219.3  | 229.5  | 272.3  | 410.3  | 812.1  | 1684.9 | 2696.4 | 3062.0 | 2970.9 |
| 75°   | 159.2  | 168.9  | 185.2  | 192.8  | 233.0  | 405.9  | 965.6  | 1894.4 | 2580.6 | 2620.3 |
| 77.5° | 118.5  | 118.9  | 141.5  | 150.3  | 166.2  | 216.2  | 408.5  | 1057.5 | 1602.2 | 1682.2 |
| 80°   | 100.4  | 95.1   | 94.6   | 121.1  | 125.1  | 134.8  | 182.6  | 365.2  | 573.9  | 347.9  |
| 82.5° | 83.6   | 77.8   | 70.3   | 94.6   | 85.3   | 82.7   | 79.1   | 148.5  | 182.6  | 89.7   |
| 85°   | 58.4   | 55.7   | 53.1   | 61.9   | 48.6   | 41.6   | 38.0   | 69.4   | 76.9   | 38.0   |
| 87.5° | 25.2   | 26.1   | 26.5   | 27.4   | 20.3   | 14.6   | 14.6   | 19.5   | 19.5   | 15.0   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END C

| 90°    |
|--------|
| 927.5  |
| 933.3  |
| 955.8  |
| 994.3  |
| 1039.4 |
| 1084.0 |
| 1131.3 |
| 1167.2 |
| 1196.3 |
| 1223.7 |
| 1254.7 |
| 1287.0 |
| 1322.8 |
| 1376.3 |
| 1439.9 |
| 1515.1 |
| 1607.5 |
| 1705.6 |
| 1809.1 |
| 1924.0 |
| 2040.3 |
| 2153.5 |
| 2268.0 |
| 2381.6 |
| 2487.3 |
| 2568.2 |
| 2650.0 |
| 2746.3 |
| 2839.6 |
| 2956.8 |
| 2524.0 |
| 1500.5 |
| 263.1  |
| 76.5   |
| 33.6   |
| 11.1   |
| 0.0    |

OF REPORT)