

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: P949286

Luminaire Tested: **GLAN-SB4A-830-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P949286  
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-SB4A-830-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16635 lumens  
Efficiency: N/A  
Efficacy: 145.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B4 - U0 - G4

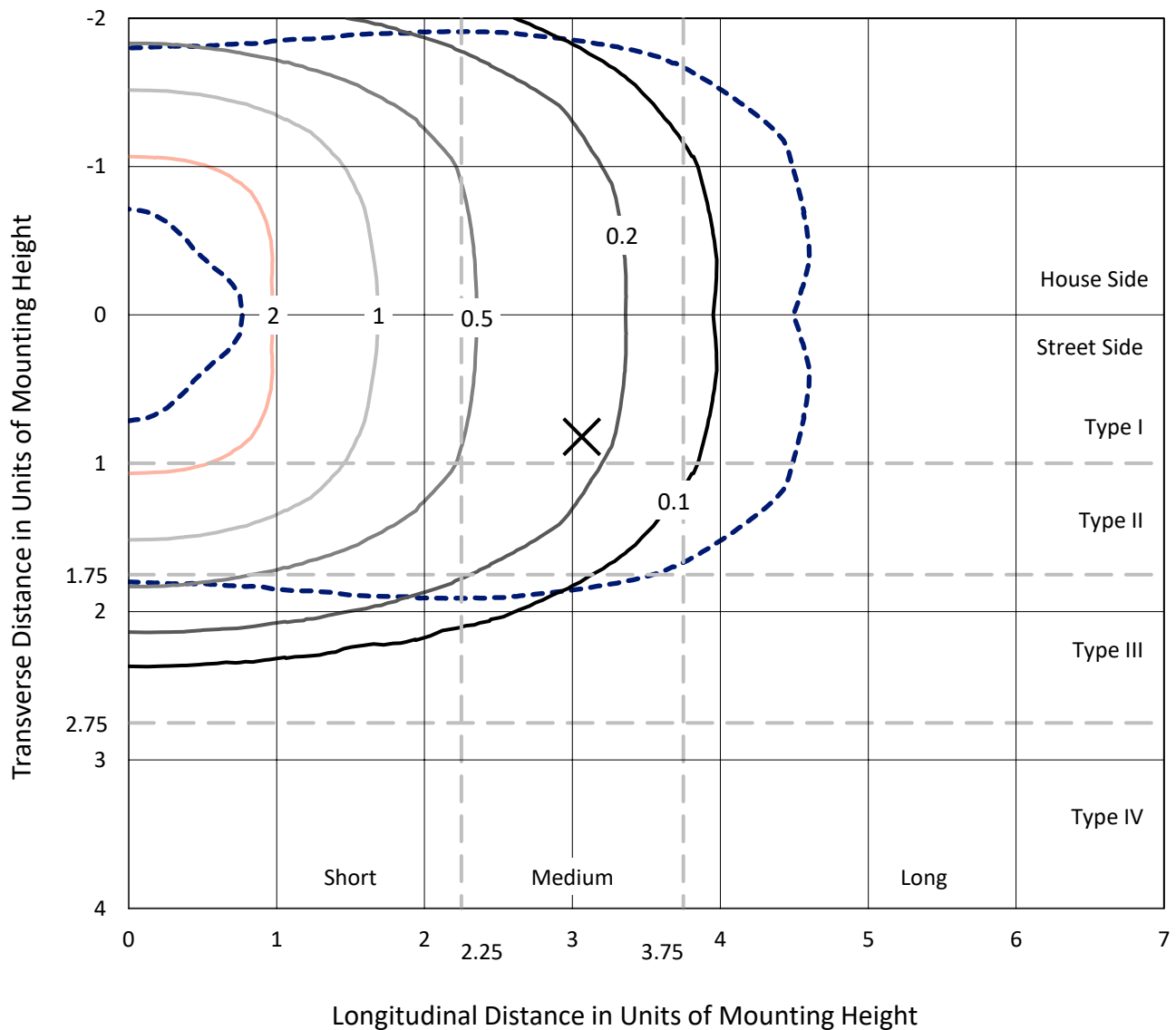
Input Watts (W): 114  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

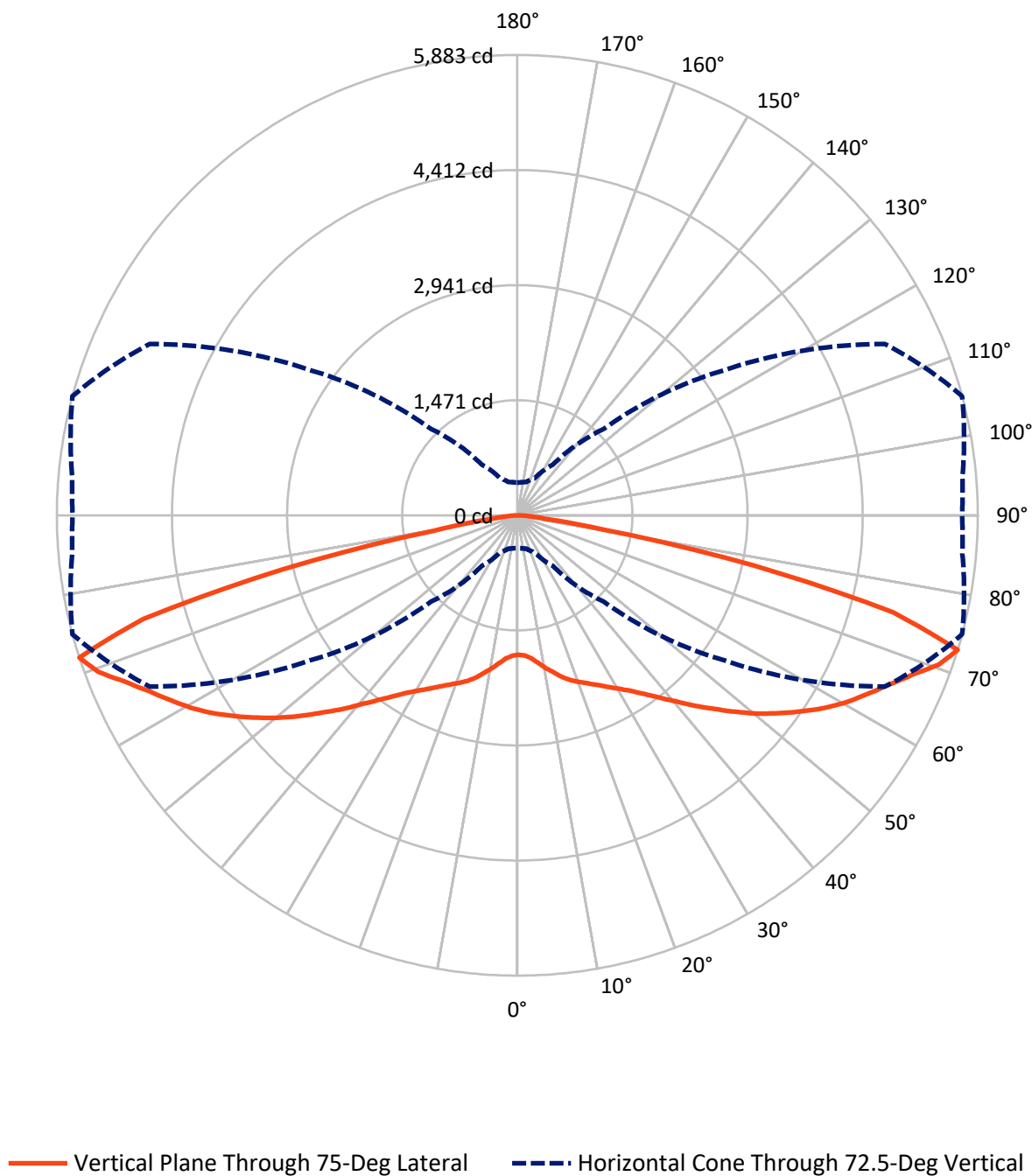


Based on 25 foot mounting height. Maximum calculated value = 3.1 fc  
 Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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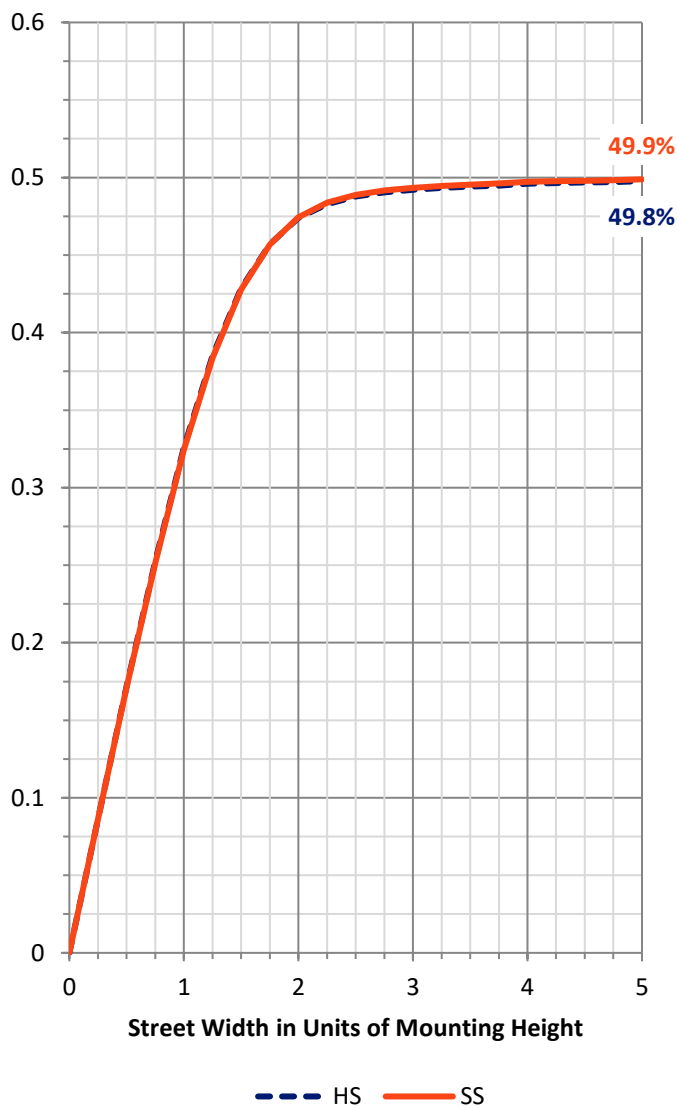
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 8317.5   | 0.0    | 8317.5  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 8317.5   | 0.0    | 8317.5  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 16635.0  | 0.0    | 16635.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 174.6   | 1.0       |
| 10°-20°   | 575.7   | 3.5       |
| 20°-30°   | 1112.4  | 6.7       |
| 30°-40°   | 1878.4  | 11.3      |
| 40°-50°   | 2979.0  | 17.9      |
| 50°-60°   | 3988.5  | 24.0      |
| 60°-70°   | 3795.8  | 22.8      |
| 70°-80°   | 1980.7  | 11.9      |
| 80°-90°   | 149.9   | 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°    | 16635.0 | 100.0     |
| 0°-180°   | 16635.0 | 100.0     |

**Coefficient of Utilization**



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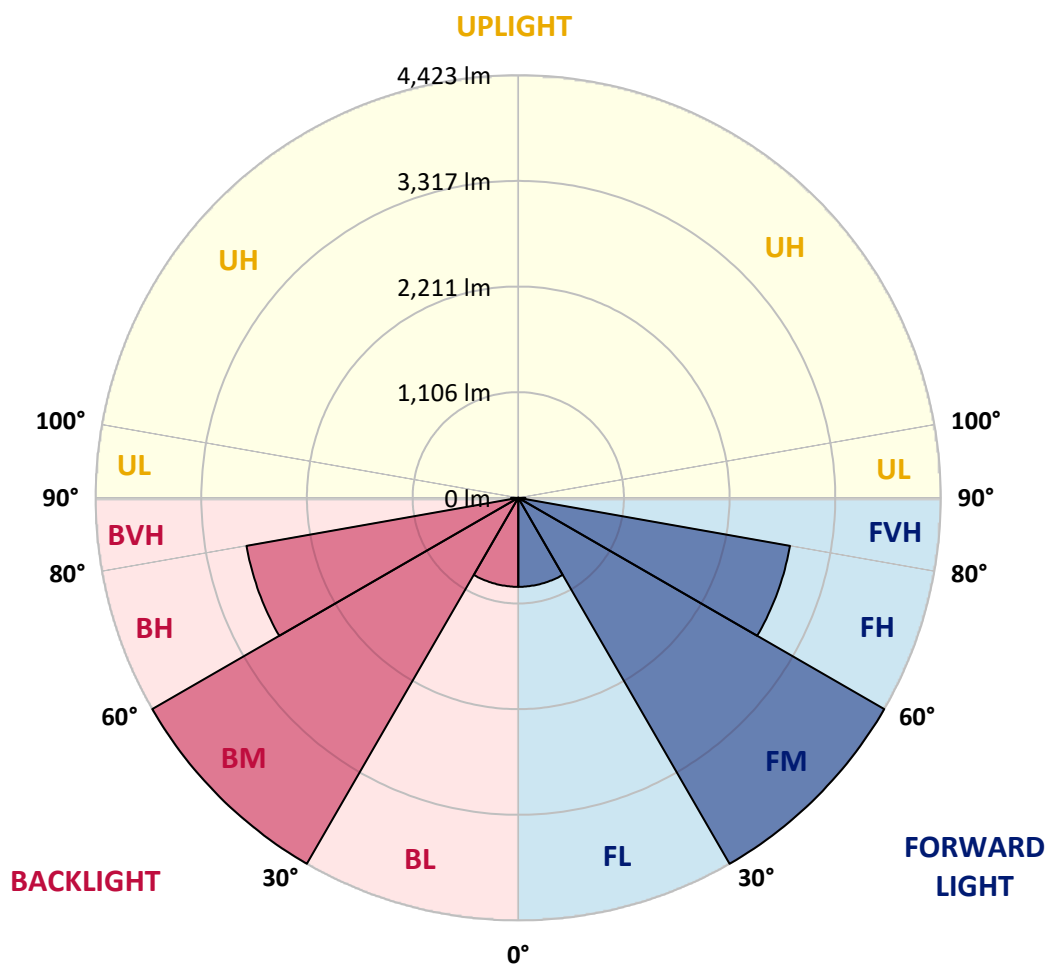
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 931.4  | 5.6       |                         |      |         |
| FM   | (30°-60°)   | 4422.9 | 26.6      |                         |      |         |
| FH   | (60°-80°)   | 2888.2 | 17.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 75.0   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 931.4  | 5.6       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 4422.9 | 26.6      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 2888.2 | 17.4      | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 75.0   | 0.5       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

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

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1781.9 | 1781.9 | 1781.9 | 1781.9 | 1781.9 | 1781.9 | 1781.9 | 1781.9 | 1781.9 | 1781.9 |
| 2.5°  | 1781.9 | 1780.2 | 1781.9 | 1783.6 | 1782.8 | 1782.8 | 1787.0 | 1789.6 | 1794.6 | 1793.8 |
| 5°    | 1770.0 | 1769.2 | 1776.0 | 1783.6 | 1789.6 | 1799.7 | 1812.5 | 1821.8 | 1833.7 | 1836.3 |
| 7.5°  | 1764.1 | 1761.5 | 1773.4 | 1787.0 | 1805.7 | 1831.2 | 1855.8 | 1881.3 | 1901.7 | 1908.5 |
| 10°   | 1768.3 | 1769.2 | 1785.3 | 1810.8 | 1840.5 | 1876.2 | 1911.0 | 1954.3 | 1983.2 | 1990.0 |
| 12.5° | 1787.9 | 1786.2 | 1813.3 | 1854.1 | 1894.9 | 1939.9 | 1980.7 | 2028.2 | 2059.6 | 2075.8 |
| 15°   | 1823.5 | 1820.1 | 1858.3 | 1918.6 | 1978.1 | 2030.8 | 2063.9 | 2108.9 | 2145.4 | 2165.8 |
| 17.5° | 1866.0 | 1867.7 | 1917.8 | 1995.9 | 2074.1 | 2133.5 | 2165.0 | 2187.9 | 2215.9 | 2233.8 |
| 20°   | 1940.7 | 1944.1 | 2000.2 | 2092.8 | 2181.9 | 2249.9 | 2275.4 | 2266.9 | 2274.5 | 2288.1 |
| 22.5° | 2041.0 | 2042.7 | 2105.5 | 2205.7 | 2299.2 | 2373.9 | 2390.9 | 2356.1 | 2334.8 | 2344.2 |
| 25°   | 2157.3 | 2168.4 | 2231.2 | 2334.0 | 2429.9 | 2501.3 | 2508.9 | 2456.3 | 2403.6 | 2406.2 |
| 27.5° | 2299.2 | 2309.3 | 2373.0 | 2475.0 | 2572.6 | 2634.6 | 2633.8 | 2563.3 | 2486.0 | 2466.5 |
| 30°   | 2452.9 | 2463.9 | 2529.3 | 2634.6 | 2725.5 | 2779.9 | 2768.0 | 2683.9 | 2573.5 | 2537.0 |
| 32.5° | 2635.5 | 2642.3 | 2708.5 | 2813.8 | 2897.9 | 2941.2 | 2916.6 | 2813.0 | 2675.4 | 2633.8 |
| 35°   | 2856.3 | 2866.5 | 2915.8 | 3015.1 | 3089.0 | 3124.7 | 3083.1 | 2960.8 | 2806.2 | 2759.5 |
| 37.5° | 3108.6 | 3101.8 | 3157.8 | 3246.2 | 3307.3 | 3329.4 | 3272.5 | 3127.3 | 2955.7 | 2900.5 |
| 40°   | 3371.9 | 3368.5 | 3429.6 | 3514.6 | 3547.7 | 3561.3 | 3477.2 | 3318.4 | 3128.1 | 3068.6 |
| 42.5° | 3610.5 | 3608.0 | 3690.4 | 3784.6 | 3824.6 | 3809.3 | 3703.1 | 3521.3 | 3327.7 | 3259.8 |
| 45°   | 3801.6 | 3798.2 | 3899.3 | 4031.8 | 4109.9 | 4084.5 | 3941.8 | 3745.6 | 3529.8 | 3459.3 |
| 47.5° | 3948.6 | 3950.3 | 4059.0 | 4222.9 | 4359.6 | 4369.0 | 4185.5 | 3974.0 | 3752.4 | 3672.5 |
| 50°   | 4054.7 | 4059.8 | 4176.2 | 4357.9 | 4544.8 | 4627.2 | 4434.4 | 4208.5 | 3982.5 | 3892.5 |
| 52.5° | 4081.1 | 4090.4 | 4230.5 | 4443.7 | 4663.7 | 4820.8 | 4687.5 | 4433.5 | 4200.8 | 4115.0 |
| 55°   | 3940.9 | 3959.6 | 4137.1 | 4436.9 | 4736.7 | 4948.2 | 4910.0 | 4662.0 | 4420.8 | 4332.5 |
| 57.5° | 3619.0 | 3645.3 | 3852.6 | 4244.1 | 4720.6 | 5035.7 | 5082.4 | 4881.1 | 4640.8 | 4555.8 |
| 60°   | 3168.0 | 3199.4 | 3398.2 | 3825.4 | 4493.0 | 5068.0 | 5203.9 | 5094.3 | 4842.9 | 4760.5 |
| 62.5° | 2487.7 | 2528.5 | 2766.3 | 3267.4 | 4012.3 | 4917.7 | 5307.5 | 5287.1 | 5024.7 | 4921.9 |
| 65°   | 1595.9 | 1639.2 | 1889.8 | 2481.8 | 3371.0 | 4457.3 | 5339.8 | 5474.8 | 5216.6 | 5073.1 |
| 67.5° | 962.3  | 981.8  | 1105.8 | 1504.2 | 2463.9 | 3763.4 | 5066.3 | 5682.9 | 5440.8 | 5262.5 |
| 70°   | 615.8  | 626.8  | 700.7  | 883.3  | 1392.9 | 2745.9 | 4388.5 | 5722.0 | 5712.6 | 5457.0 |
| 72.5° | 417.9  | 421.3  | 440.8  | 523.2  | 788.2  | 1560.2 | 3236.8 | 5180.1 | 5882.5 | 5707.5 |
| 75°   | 305.8  | 324.4  | 355.9  | 370.3  | 447.6  | 779.7  | 1854.9 | 3639.4 | 4957.6 | 5034.0 |
| 77.5° | 227.6  | 228.5  | 271.8  | 288.8  | 319.4  | 415.3  | 784.8  | 2031.6 | 3078.0 | 3231.7 |
| 80°   | 192.8  | 182.6  | 181.8  | 232.7  | 240.4  | 259.0  | 350.8  | 701.6  | 1102.4 | 668.4  |
| 82.5° | 160.5  | 149.5  | 135.0  | 181.8  | 163.9  | 158.8  | 152.0  | 285.4  | 350.8  | 172.4  |
| 85°   | 112.1  | 107.0  | 101.9  | 118.9  | 93.4   | 79.8   | 73.0   | 133.3  | 147.8  | 73.0   |
| 87.5° | 48.4   | 50.1   | 51.0   | 52.7   | 39.1   | 28.0   | 28.0   | 37.4   | 37.4   | 28.9   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END C

| 90°    |
|--------|
| 1781.9 |
| 1792.9 |
| 1836.3 |
| 1910.2 |
| 1996.8 |
| 2082.6 |
| 2173.5 |
| 2242.2 |
| 2298.3 |
| 2351.0 |
| 2410.4 |
| 2472.4 |
| 2541.2 |
| 2644.0 |
| 2766.3 |
| 2910.7 |
| 3088.2 |
| 3276.7 |
| 3475.5 |
| 3696.3 |
| 3919.7 |
| 4137.1 |
| 4357.1 |
| 4575.4 |
| 4778.4 |
| 4933.8 |
| 5090.9 |
| 5276.1 |
| 5455.3 |
| 5680.4 |
| 4848.9 |
| 2882.6 |
| 505.4  |
| 146.9  |
| 64.5   |
| 21.2   |
| 0.0    |

OF REPORT)