

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: P949958

Luminaire Tested: **GLAN-SB4C-760-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P949958  
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-SB4C-760-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32699 lumens  
Efficiency: N/A  
Efficacy: 162.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
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

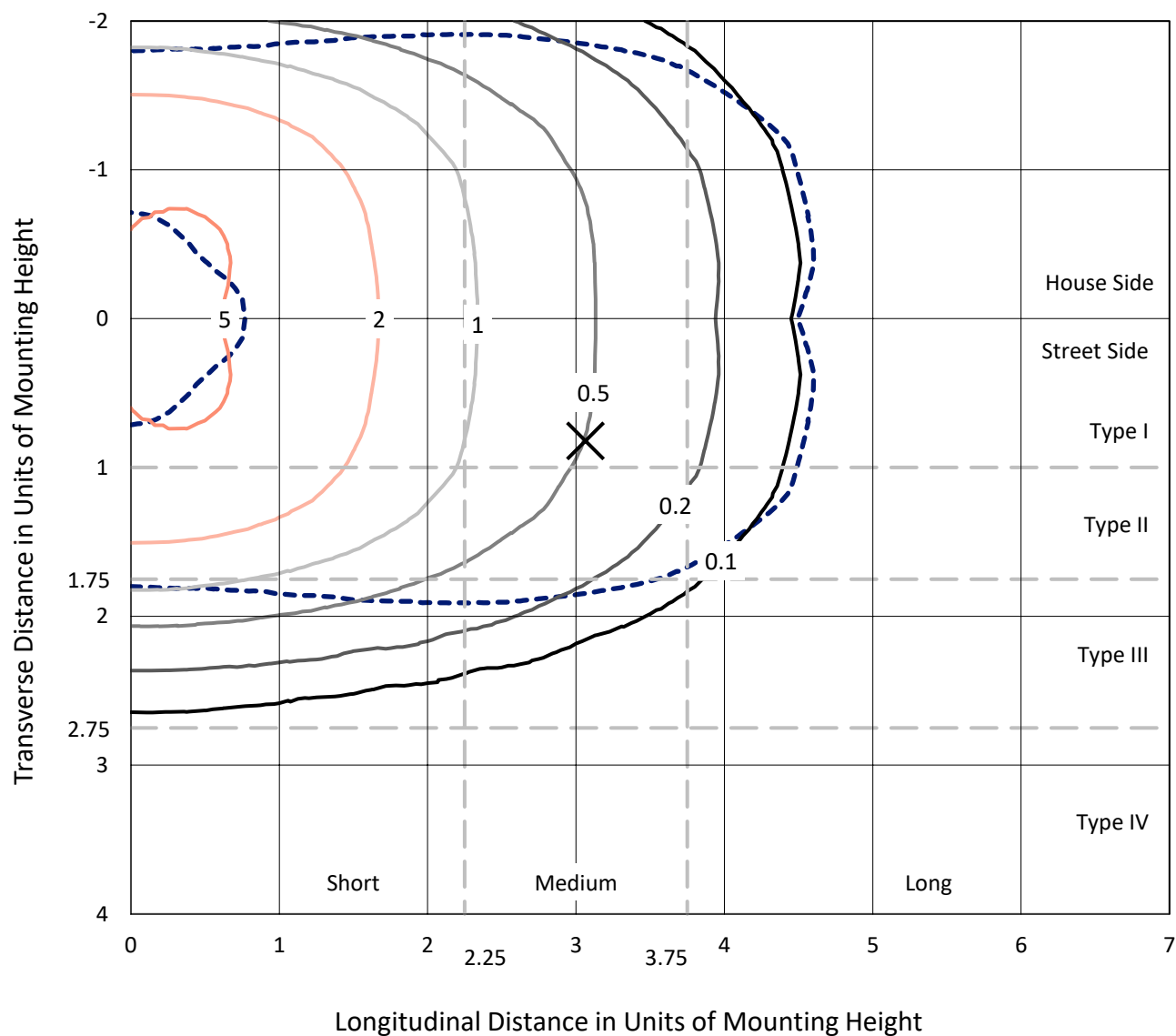


REPORT NUMBER: P949958

CATALOG NUMBER: GLAN-SB4C-760-U-RW

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

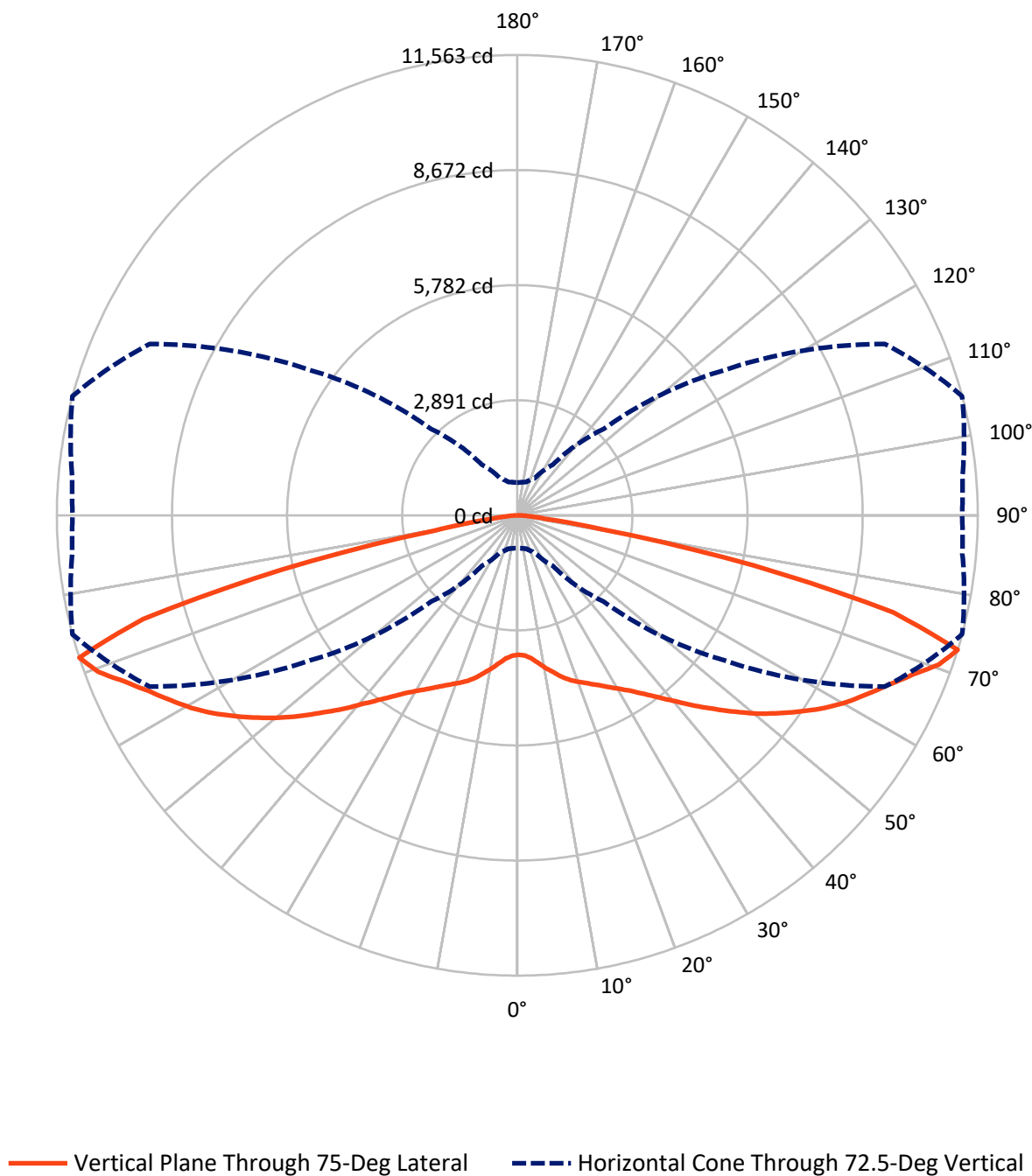


Based on 25 foot mounting height. Maximum calculated value = 6.1 fc  
 Type III - Medium - N/A

REPORT NUMBER: P949958

CATALOG NUMBER: GLAN-SB4C-760-U-RW

## Luminous Intensity Polar Plot



REPORT NUMBER: P949958

CATALOG NUMBER: GLAN-SB4C-760-U-RW

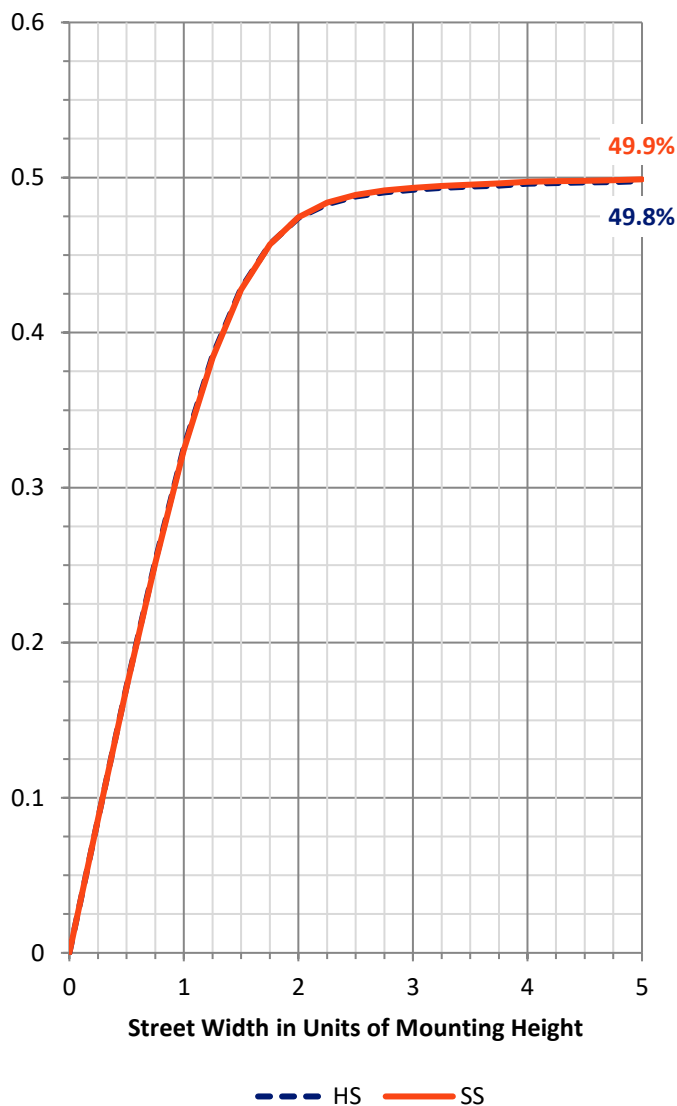
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 16349.5  | 0.0    | 16349.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 16349.5  | 0.0    | 16349.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 32699.0  | 0.0    | 32699.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 343.1   | 1.0       |
| 10°-20°   | 1131.7  | 3.5       |
| 20°-30°   | 2186.7  | 6.7       |
| 30°-40°   | 3692.4  | 11.3      |
| 40°-50°   | 5855.7  | 17.9      |
| 50°-60°   | 7840.1  | 24.0      |
| 60°-70°   | 7461.2  | 22.8      |
| 70°-80°   | 3893.4  | 11.9      |
| 80°-90°   | 294.7   | 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°    | 32699.0 | 100.0     |
| 0°-180°   | 32699.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P949958

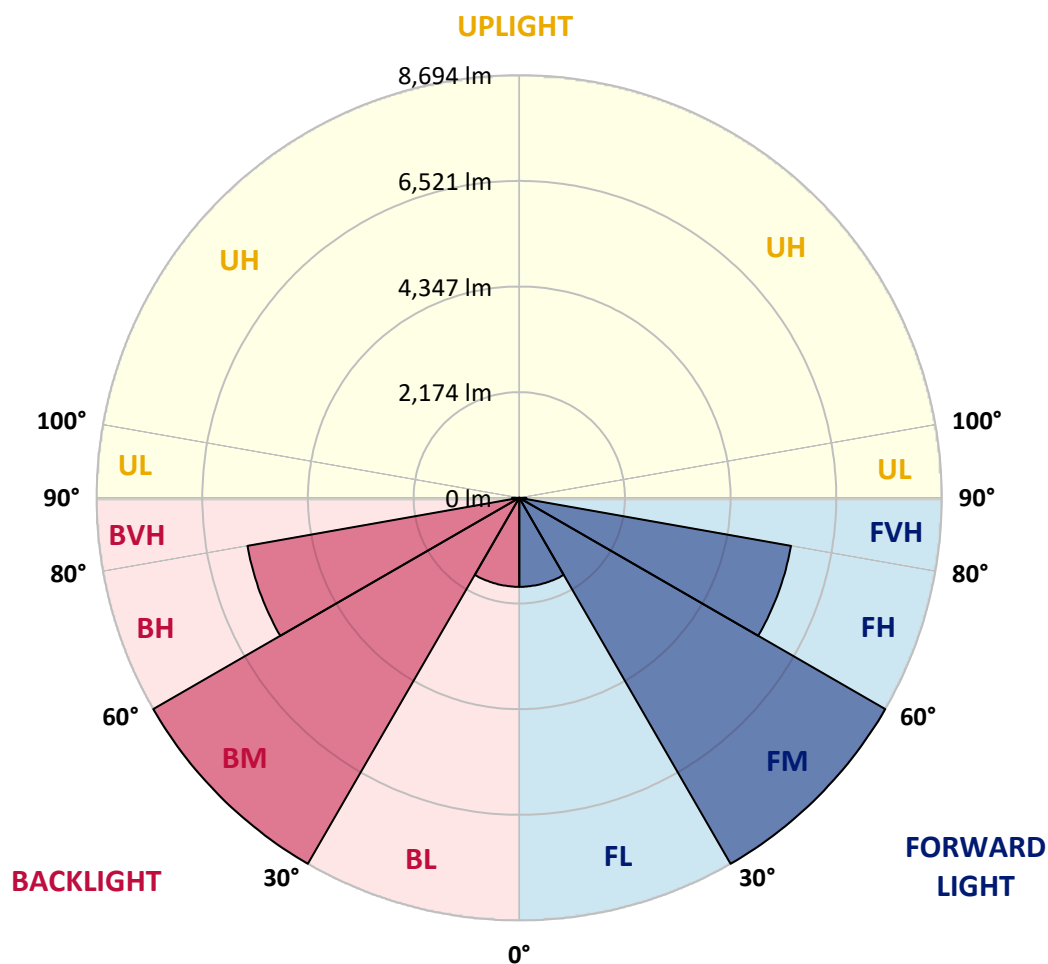
CATALOG NUMBER: GLAN-SB4C-760-U-RW

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1830.7 | 5.6       |                         |      |         |
| FM   | (30°-60°)   | 8694.1 | 26.6      |                         |      |         |
| FH   | (60°-80°)   | 5677.3 | 17.4      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 147.4  | 0.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1830.7 | 5.6       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 8694.1 | 26.6      | B5                      |      |         |
| BH   | (60°-80°)   | 5677.3 | 17.4      | B5                      |      | G5      |
| BVH  | (80°-90°)   | 147.4  | 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 III Medium



REPORT NUMBER: P949958

CATALOG NUMBER: GLAN-SB4C-760-U-RW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°     | 65°     | 75°     | 85°     |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| 0°    | 3502.6 | 3502.6 | 3502.6 | 3502.6 | 3502.6 | 3502.6 | 3502.6  | 3502.6  | 3502.6  | 3502.6  |
| 2.5°  | 3502.6 | 3499.3 | 3502.6 | 3506.0 | 3504.3 | 3504.3 | 3512.7  | 3517.7  | 3527.7  | 3526.0  |
| 5°    | 3479.3 | 3477.6 | 3491.0 | 3506.0 | 3517.7 | 3537.7 | 3562.8  | 3581.1  | 3604.5  | 3609.5  |
| 7.5°  | 3467.6 | 3462.6 | 3486.0 | 3512.7 | 3549.4 | 3599.5 | 3647.9  | 3698.0  | 3738.1  | 3751.4  |
| 10°   | 3475.9 | 3477.6 | 3509.3 | 3559.4 | 3617.8 | 3688.0 | 3756.4  | 3841.6  | 3898.3  | 3911.7  |
| 12.5° | 3514.3 | 3511.0 | 3564.4 | 3644.6 | 3724.7 | 3813.2 | 3893.3  | 3986.8  | 4048.6  | 4080.3  |
| 15°   | 3584.5 | 3577.8 | 3652.9 | 3771.4 | 3888.3 | 3991.8 | 4056.9  | 4145.4  | 4217.2  | 4257.3  |
| 17.5° | 3667.9 | 3671.3 | 3769.8 | 3923.4 | 4077.0 | 4193.8 | 4255.6  | 4300.7  | 4355.8  | 4390.8  |
| 20°   | 3814.8 | 3821.5 | 3931.7 | 4113.7 | 4289.0 | 4422.6 | 4472.6  | 4455.9  | 4471.0  | 4497.7  |
| 22.5° | 4011.9 | 4015.2 | 4138.7 | 4335.7 | 4519.4 | 4666.3 | 4699.7  | 4631.2  | 4589.5  | 4607.9  |
| 25°   | 4240.6 | 4262.3 | 4385.8 | 4587.8 | 4776.5 | 4916.7 | 4931.8  | 4828.2  | 4724.7  | 4729.7  |
| 27.5° | 4519.4 | 4539.4 | 4664.6 | 4865.0 | 5057.0 | 5178.8 | 5177.2  | 5038.6  | 4886.7  | 4848.3  |
| 30°   | 4821.6 | 4843.3 | 4971.8 | 5178.8 | 5357.5 | 5464.3 | 5441.0  | 5275.7  | 5058.6  | 4986.8  |
| 32.5° | 5180.5 | 5193.9 | 5324.1 | 5531.1 | 5696.4 | 5781.5 | 5733.1  | 5529.4  | 5259.0  | 5177.2  |
| 35°   | 5614.6 | 5634.6 | 5731.5 | 5926.8 | 6072.0 | 6142.2 | 6060.3  | 5819.9  | 5516.1  | 5424.3  |
| 37.5° | 6110.4 | 6097.1 | 6207.3 | 6380.9 | 6501.1 | 6544.5 | 6432.7  | 6147.2  | 5809.9  | 5701.4  |
| 40°   | 6628.0 | 6621.3 | 6741.5 | 6908.5 | 6973.6 | 7000.3 | 6835.0  | 6522.8  | 6148.8  | 6032.0  |
| 42.5° | 7097.1 | 7092.1 | 7254.1 | 7439.4 | 7517.8 | 7487.8 | 7279.1  | 6921.8  | 6541.2  | 6407.6  |
| 45°   | 7472.8 | 7466.1 | 7664.8 | 7925.2 | 8078.8 | 8028.7 | 7748.2  | 7362.6  | 6938.5  | 6799.9  |
| 47.5° | 7761.6 | 7764.9 | 7978.6 | 8300.8 | 8569.6 | 8588.0 | 8227.4  | 7811.7  | 7375.9  | 7219.0  |
| 50°   | 7970.3 | 7980.3 | 8209.0 | 8566.3 | 8933.6 | 9095.5 | 8716.6  | 8272.5  | 7828.4  | 7651.4  |
| 52.5° | 8022.0 | 8040.4 | 8315.9 | 8734.9 | 9167.3 | 9476.2 | 9214.1  | 8714.9  | 8257.4  | 8088.8  |
| 55°   | 7746.6 | 7783.3 | 8132.2 | 8721.6 | 9310.9 | 9726.6 | 9651.5  | 9164.0  | 8689.8  | 8516.2  |
| 57.5° | 7113.8 | 7165.6 | 7572.9 | 8342.6 | 9279.2 | 9898.6 | 9990.4  | 9594.7  | 9122.2  | 8955.3  |
| 60°   | 6227.3 | 6289.1 | 6679.7 | 7519.5 | 8831.7 | 9962.0 | 10229.1 | 10013.8 | 9519.6  | 9357.6  |
| 62.5° | 4890.0 | 4970.2 | 5437.6 | 6422.6 | 7886.8 | 9666.5 | 10432.8 | 10392.7 | 9876.9  | 9674.9  |
| 65°   | 3137.0 | 3222.2 | 3714.7 | 4878.3 | 6626.3 | 8761.6 | 10496.3 | 10761.7 | 10254.2 | 9972.0  |
| 67.5° | 1891.6 | 1930.0 | 2173.7 | 2956.7 | 4843.3 | 7397.6 | 9958.7  | 11170.7 | 10694.9 | 10344.3 |
| 70°   | 1210.4 | 1232.1 | 1377.4 | 1736.3 | 2738.0 | 5397.6 | 8626.4  | 11247.5 | 11229.2 | 10726.7 |
| 72.5° | 821.4  | 828.1  | 866.5  | 1028.4 | 1549.3 | 3066.9 | 6362.5  | 10182.4 | 11563.1 | 11219.2 |
| 75°   | 601.0  | 637.8  | 699.5  | 727.9  | 879.8  | 1532.6 | 3646.2  | 7153.9  | 9745.0  | 9895.2  |
| 77.5° | 447.4  | 449.1  | 534.2  | 567.6  | 627.7  | 816.4  | 1542.6  | 3993.5  | 6050.3  | 6352.5  |
| 80°   | 379.0  | 358.9  | 357.3  | 457.4  | 472.5  | 509.2  | 689.5   | 1379.0  | 2167.0  | 1313.9  |
| 82.5° | 315.5  | 293.8  | 265.5  | 357.3  | 322.2  | 312.2  | 298.8   | 561.0   | 689.5   | 338.9   |
| 85°   | 220.4  | 210.4  | 200.3  | 233.7  | 183.6  | 156.9  | 143.6   | 262.1   | 290.5   | 143.6   |
| 87.5° | 95.2   | 98.5   | 100.2  | 103.5  | 76.8   | 55.1   | 55.1    | 73.5    | 73.5    | 56.8    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     |

(END C

| 90°     |
|---------|
| 3502.6  |
| 3524.4  |
| 3609.5  |
| 3754.7  |
| 3925.0  |
| 4093.7  |
| 4272.3  |
| 4407.5  |
| 4517.7  |
| 4621.2  |
| 4738.1  |
| 4860.0  |
| 4995.2  |
| 5197.2  |
| 5437.6  |
| 5721.4  |
| 6070.4  |
| 6441.0  |
| 6831.7  |
| 7265.7  |
| 7704.8  |
| 8132.2  |
| 8564.6  |
| 8993.7  |
| 9392.7  |
| 9698.2  |
| 10007.1 |
| 10371.0 |
| 10723.3 |
| 11165.7 |
| 9531.3  |
| 5666.3  |
| 993.4   |
| 288.8   |
| 126.9   |
| 41.7    |
| 0.0     |

OF REPORT)