

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: P949202

Luminaire Tested: **GLAN-SB4A-740-U-RW**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P949202  
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-740-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 19585.9 lumens  
Efficiency: N/A  
Efficacy: 171.8 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

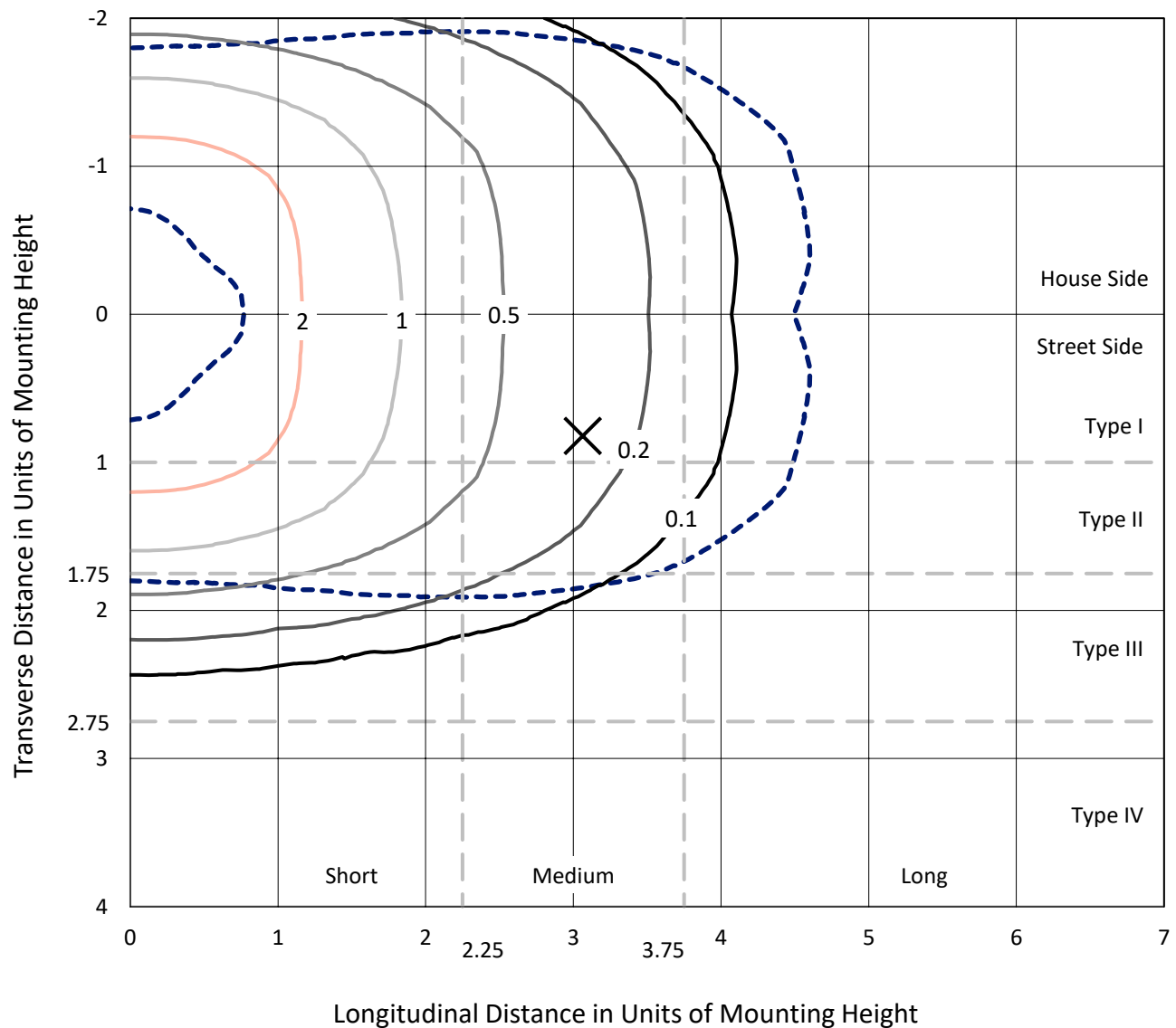


REPORT NUMBER: P949202

CATALOG NUMBER: GLAN-SB4A-740-U-RW

## Iso-Footcandle Lines of Horizontal Illumination

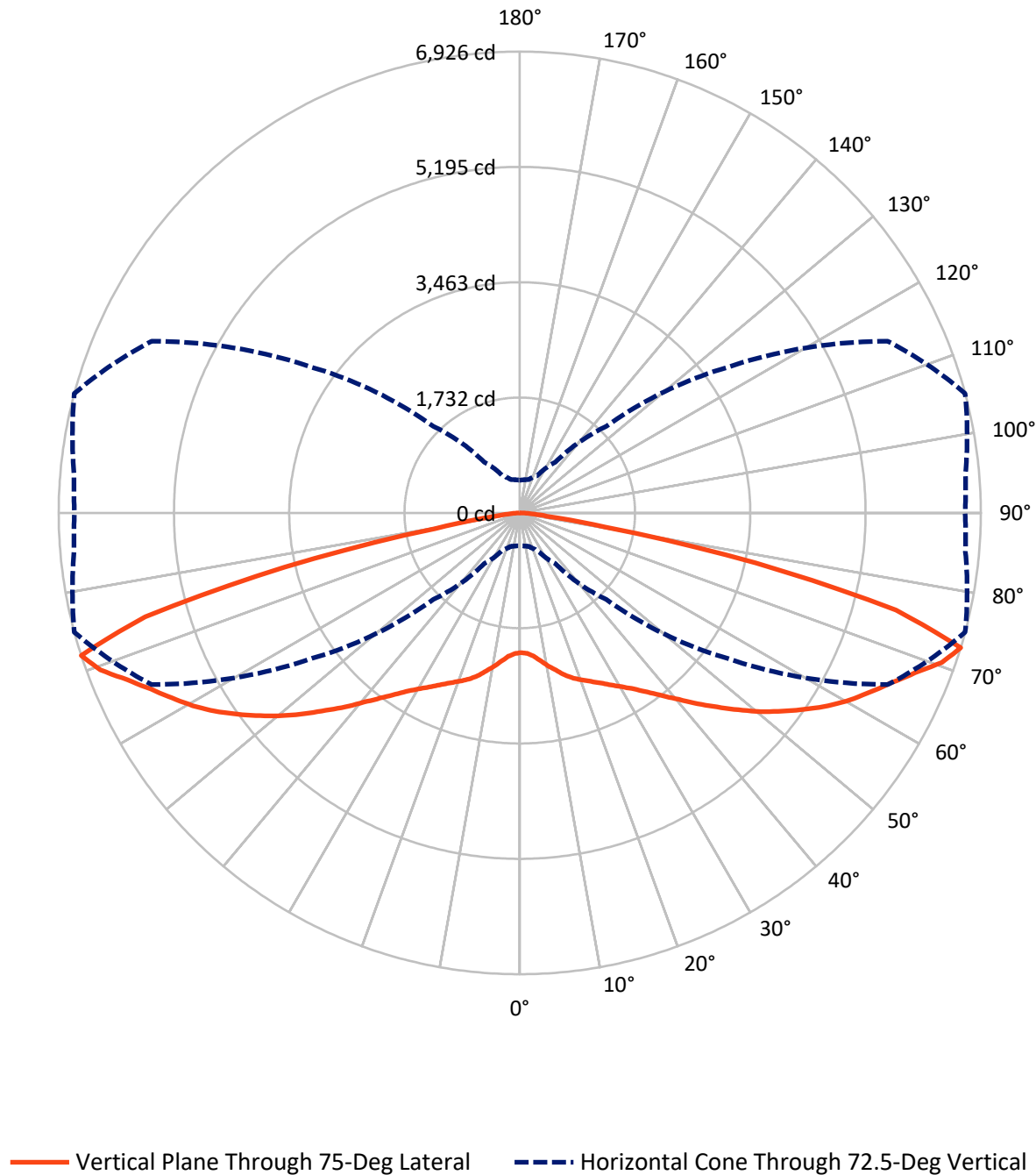
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc  
Type III - Medium - N/A

REPORT NUMBER: P949202  
CATALOG NUMBER: GLAN-SB4A-740-U-RW

## Luminous Intensity Polar Plot



REPORT NUMBER: P949202

CATALOG NUMBER: GLAN-SB4A-740-U-RW

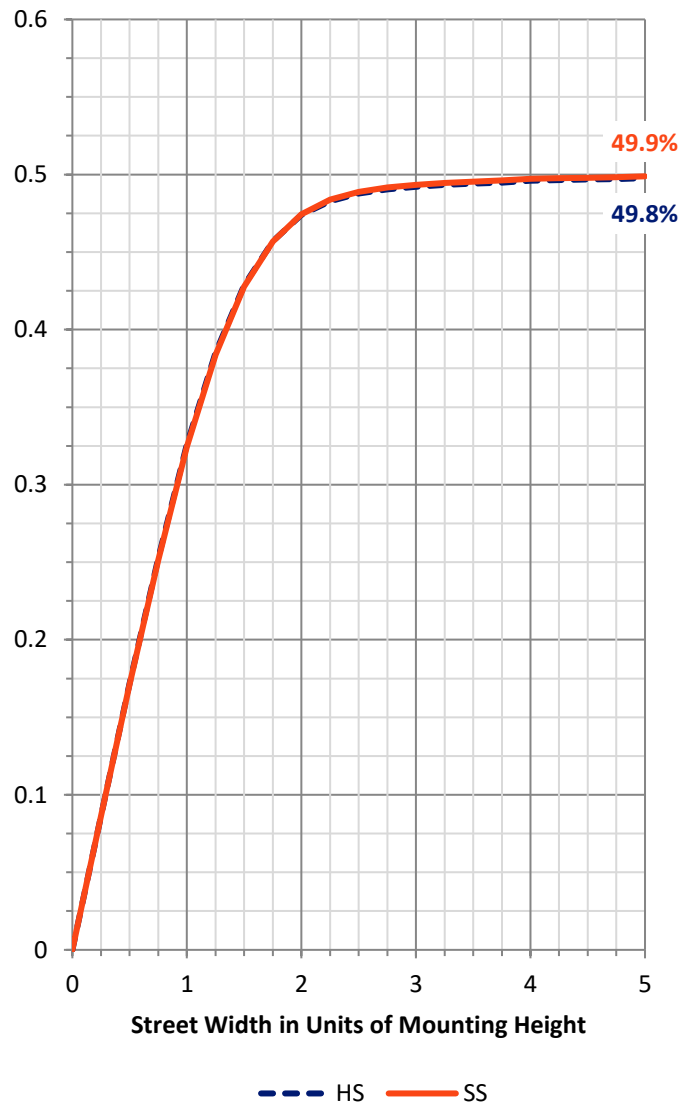
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 9792.9   | 0.0    | 9792.9  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 9792.9   | 0.0    | 9792.9  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 19585.9  | 0.0    | 19585.9 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 205.5   | 1.0       |
| 10°-20°   | 677.8   | 3.5       |
| 20°-30°   | 1309.8  | 6.7       |
| 30°-40°   | 2211.6  | 11.3      |
| 40°-50°   | 3507.4  | 17.9      |
| 50°-60°   | 4696.0  | 24.0      |
| 60°-70°   | 4469.1  | 22.8      |
| 70°-80°   | 2332.1  | 11.9      |
| 80°-90°   | 176.5   | 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°    | 19585.9 | 100.0     |
| 0°-180°   | 19585.9 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P949202

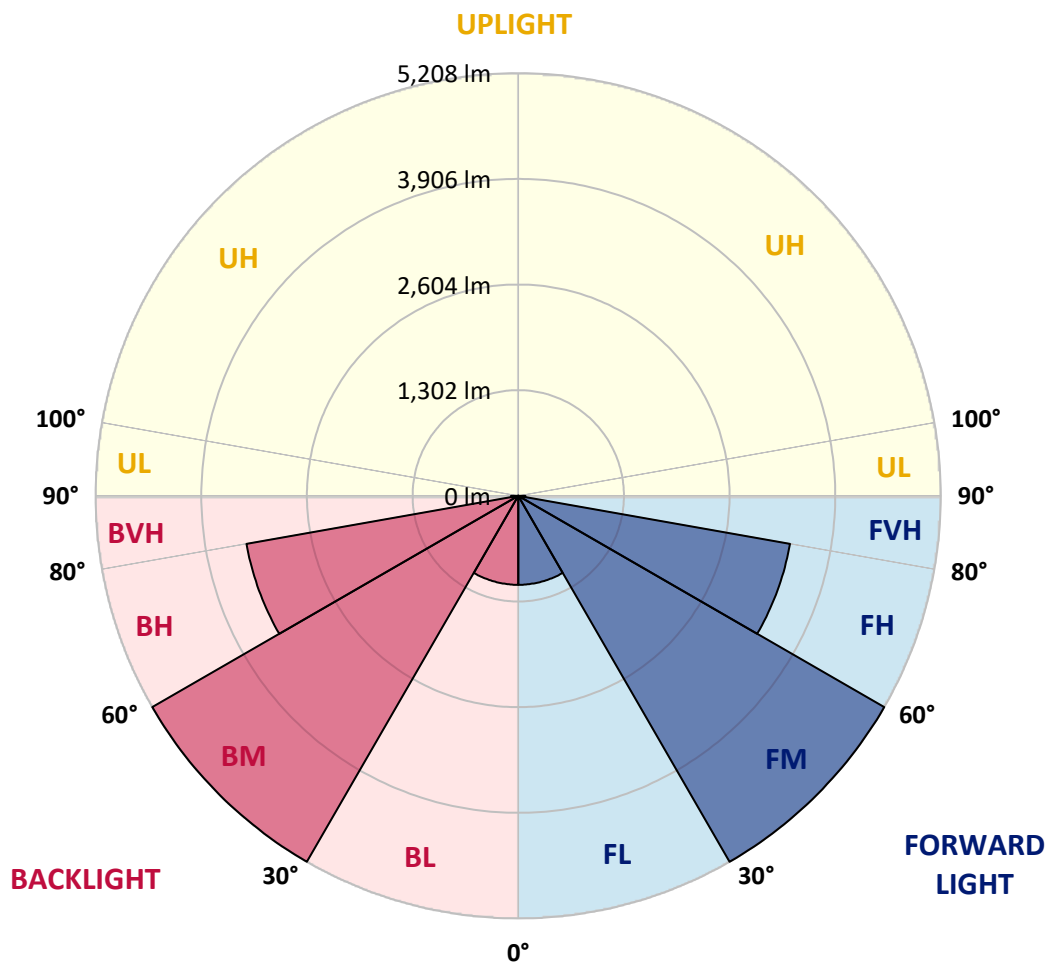
CATALOG NUMBER: GLAN-SB4A-740-U-RW

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1096.6 | 5.6       |                         |      |         |
| FM   | (30°-60°)   | 5207.5 | 26.6      |                         |      |         |
| FH   | (60°-80°)   | 3400.6 | 17.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 88.3   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 1096.6 | 5.6       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 5207.5 | 26.6      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 3400.6 | 17.4      | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 88.3   | 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



REPORT NUMBER: P949202

CATALOG NUMBER: GLAN-SB4A-740-U-RW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°   | 5°   | 15°  | 25°  | 35°  | 45°  | 55°  | 65°  | 75°  | 85°  |
|-------|------|------|------|------|------|------|------|------|------|------|
| 0°    | 2098 | 2098 | 2098 | 2098 | 2098 | 2098 | 2098 | 2098 | 2098 | 2098 |
| 2.5°  | 2098 | 2096 | 2098 | 2100 | 2099 | 2099 | 2104 | 2107 | 2113 | 2112 |
| 5°    | 2084 | 2083 | 2091 | 2100 | 2107 | 2119 | 2134 | 2145 | 2159 | 2162 |
| 7.5°  | 2077 | 2074 | 2088 | 2104 | 2126 | 2156 | 2185 | 2215 | 2239 | 2247 |
| 10°   | 2082 | 2083 | 2102 | 2132 | 2167 | 2209 | 2250 | 2301 | 2335 | 2343 |
| 12.5° | 2105 | 2103 | 2135 | 2183 | 2231 | 2284 | 2332 | 2388 | 2425 | 2444 |
| 15°   | 2147 | 2143 | 2188 | 2259 | 2329 | 2391 | 2430 | 2483 | 2526 | 2550 |
| 17.5° | 2197 | 2199 | 2258 | 2350 | 2442 | 2512 | 2549 | 2576 | 2609 | 2630 |
| 20°   | 2285 | 2289 | 2355 | 2464 | 2569 | 2649 | 2679 | 2669 | 2678 | 2694 |
| 22.5° | 2403 | 2405 | 2479 | 2597 | 2707 | 2795 | 2815 | 2774 | 2749 | 2760 |
| 25°   | 2540 | 2553 | 2627 | 2748 | 2861 | 2945 | 2954 | 2892 | 2830 | 2833 |
| 27.5° | 2707 | 2719 | 2794 | 2914 | 3029 | 3102 | 3101 | 3018 | 2927 | 2904 |
| 30°   | 2888 | 2901 | 2978 | 3102 | 3209 | 3273 | 3259 | 3160 | 3030 | 2987 |
| 32.5° | 3103 | 3111 | 3189 | 3313 | 3412 | 3463 | 3434 | 3312 | 3150 | 3101 |
| 35°   | 3363 | 3375 | 3433 | 3550 | 3637 | 3679 | 3630 | 3486 | 3304 | 3249 |
| 37.5° | 3660 | 3652 | 3718 | 3822 | 3894 | 3920 | 3853 | 3682 | 3480 | 3415 |
| 40°   | 3970 | 3966 | 4038 | 4138 | 4177 | 4193 | 4094 | 3907 | 3683 | 3613 |
| 42.5° | 4251 | 4248 | 4345 | 4456 | 4503 | 4485 | 4360 | 4146 | 3918 | 3838 |
| 45°   | 4476 | 4472 | 4591 | 4747 | 4839 | 4809 | 4641 | 4410 | 4156 | 4073 |
| 47.5° | 4649 | 4651 | 4779 | 4972 | 5133 | 5144 | 4928 | 4679 | 4418 | 4324 |
| 50°   | 4774 | 4780 | 4917 | 5131 | 5351 | 5448 | 5221 | 4955 | 4689 | 4583 |
| 52.5° | 4805 | 4816 | 4981 | 5232 | 5491 | 5676 | 5519 | 5220 | 4946 | 4845 |
| 55°   | 4640 | 4662 | 4871 | 5224 | 5577 | 5826 | 5781 | 5489 | 5205 | 5101 |
| 57.5° | 4261 | 4292 | 4536 | 4997 | 5558 | 5929 | 5984 | 5747 | 5464 | 5364 |
| 60°   | 3730 | 3767 | 4001 | 4504 | 5290 | 5967 | 6127 | 5998 | 5702 | 5605 |
| 62.5° | 2929 | 2977 | 3257 | 3847 | 4724 | 5790 | 6249 | 6225 | 5916 | 5795 |
| 65°   | 1879 | 1930 | 2225 | 2922 | 3969 | 5248 | 6287 | 6446 | 6142 | 5973 |
| 67.5° | 1133 | 1156 | 1302 | 1771 | 2901 | 4431 | 5965 | 6691 | 6406 | 6196 |
| 70°   | 725  | 738  | 825  | 1040 | 1640 | 3233 | 5167 | 6737 | 6726 | 6425 |
| 72.5° | 492  | 496  | 519  | 616  | 928  | 1837 | 3811 | 6099 | 6926 | 6720 |
| 75°   | 360  | 382  | 419  | 436  | 527  | 918  | 2184 | 4285 | 5837 | 5927 |
| 77.5° | 268  | 269  | 320  | 340  | 376  | 489  | 924  | 2392 | 3624 | 3805 |
| 80°   | 227  | 215  | 214  | 274  | 283  | 305  | 413  | 826  | 1298 | 787  |
| 82.5° | 189  | 176  | 159  | 214  | 193  | 187  | 179  | 336  | 413  | 203  |
| 85°   | 132  | 126  | 120  | 140  | 110  | 94   | 86   | 157  | 174  | 86   |
| 87.5° | 57   | 59   | 60   | 62   | 46   | 33   | 33   | 44   | 44   | 34   |
| 90°   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |

(END C

| 90°  |
|------|
| 2098 |
| 2111 |
| 2162 |
| 2249 |
| 2351 |
| 2452 |
| 2559 |
| 2640 |
| 2706 |
| 2768 |
| 2838 |
| 2911 |
| 2992 |
| 3113 |
| 3257 |
| 3427 |
| 3636 |
| 3858 |
| 4092 |
| 4352 |
| 4615 |
| 4871 |
| 5130 |
| 5387 |
| 5626 |
| 5809 |
| 5994 |
| 6212 |
| 6423 |
| 6688 |
| 5709 |
| 3394 |
| 595  |
| 173  |
| 76   |
| 25   |
| 0    |

OF REPORT)