

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: P316248

Luminaire Tested: **GAN-SA4C-760-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316248  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA4C-760-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30052 lumens  
Efficiency: N/A  
Efficacy: 133.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

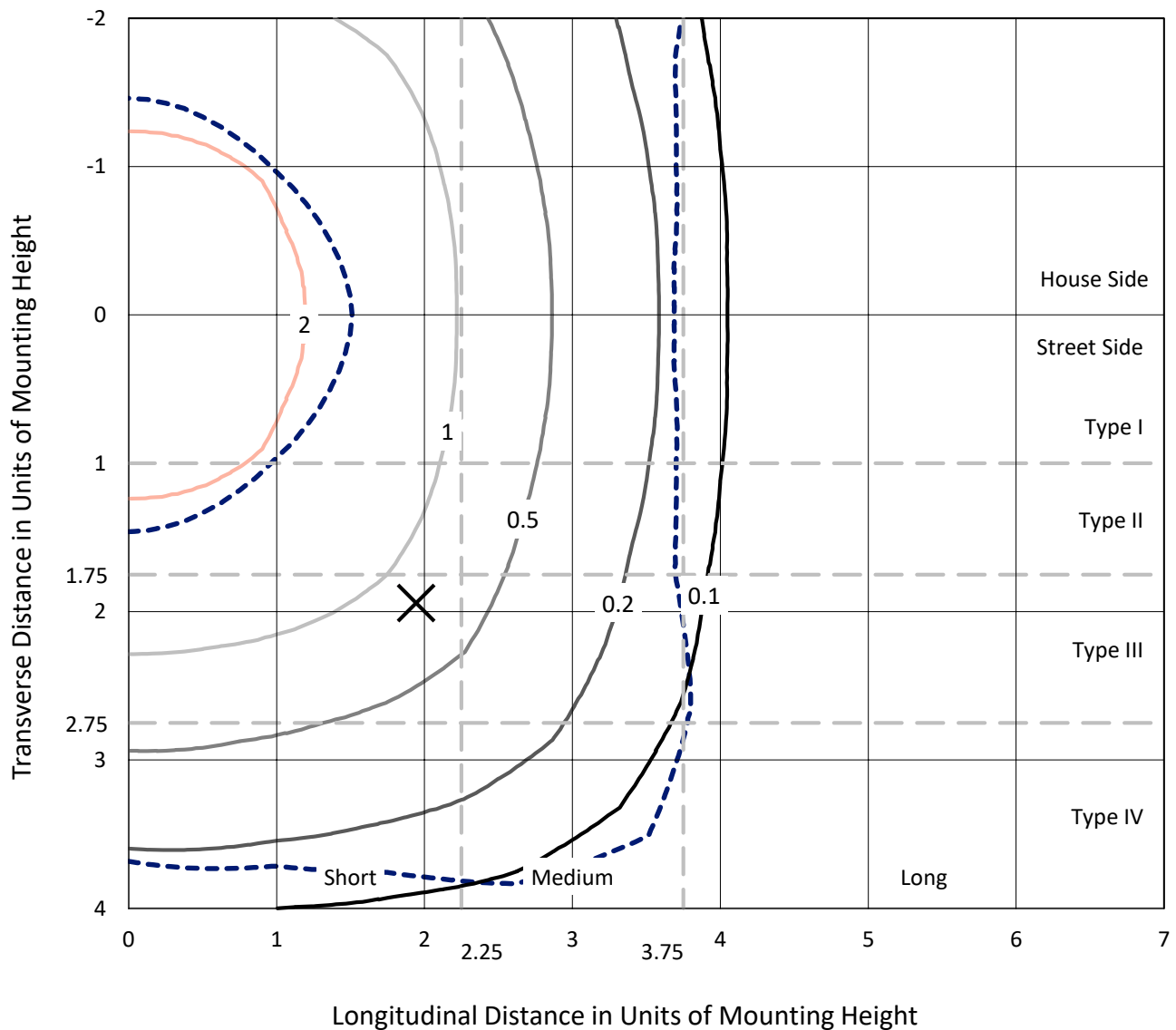
Input Watts (W): 225  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

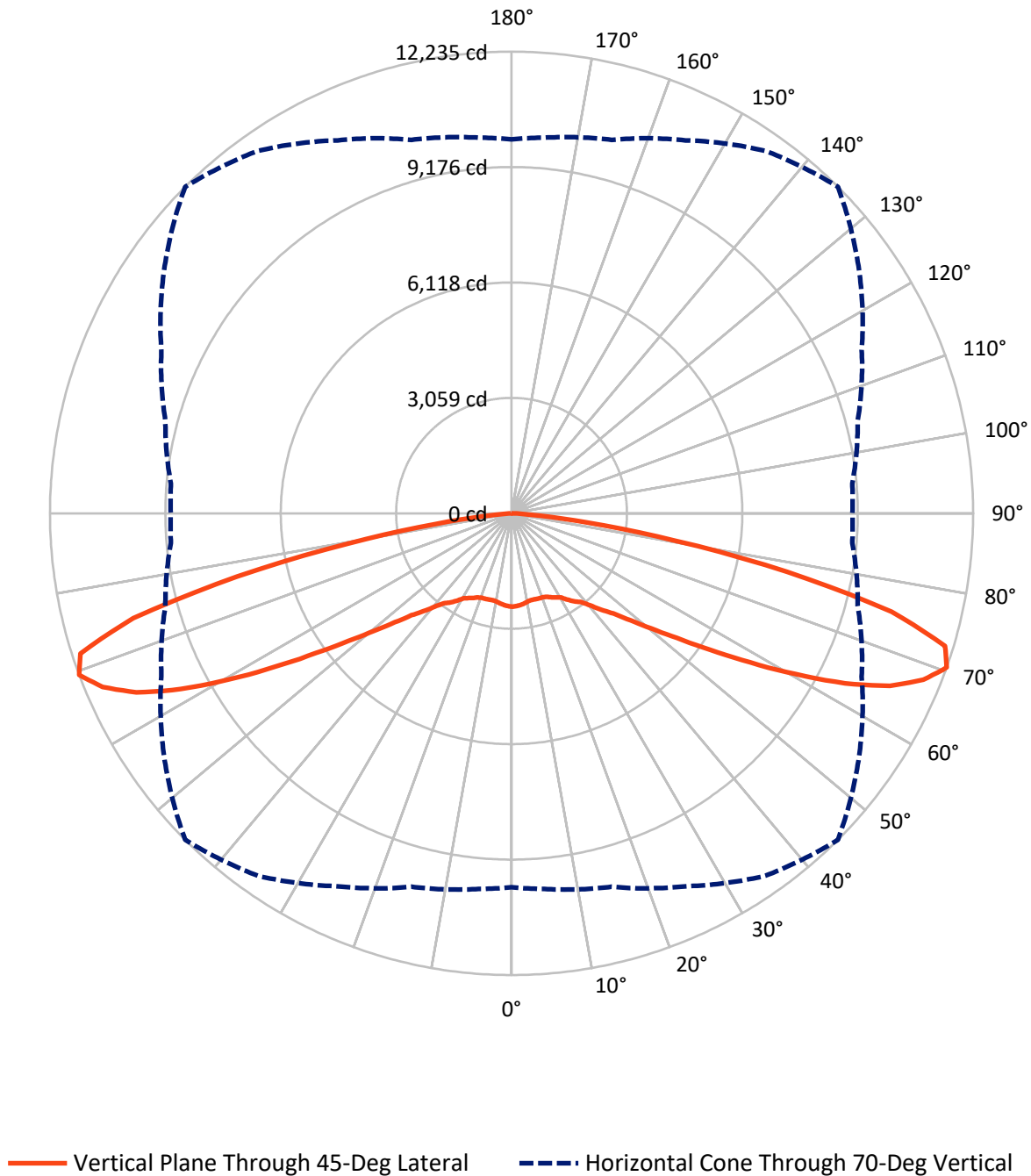
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc  
Type V - Short - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 15026.0  | 0.0    | 15026.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 15026.0  | 0.0    | 15026.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 30052.0  | 0.0    | 30052.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 230.8   | 0.8       |
| 10°-20°   | 674.3   | 2.2       |
| 20°-30°   | 1149.6  | 3.8       |
| 30°-40°   | 1796.4  | 6.0       |
| 40°-50°   | 3044.4  | 10.1      |
| 50°-60°   | 5551.7  | 18.5      |
| 60°-70°   | 9557.6  | 31.8      |
| 70°-80°   | 7491.6  | 24.9      |
| 80°-90°   | 555.5   | 1.8       |
| 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°    | 30052.0 | 100.0     |
| 0°-180°   | 30052.0 | 100.0     |

**Coefficient of Utilization**



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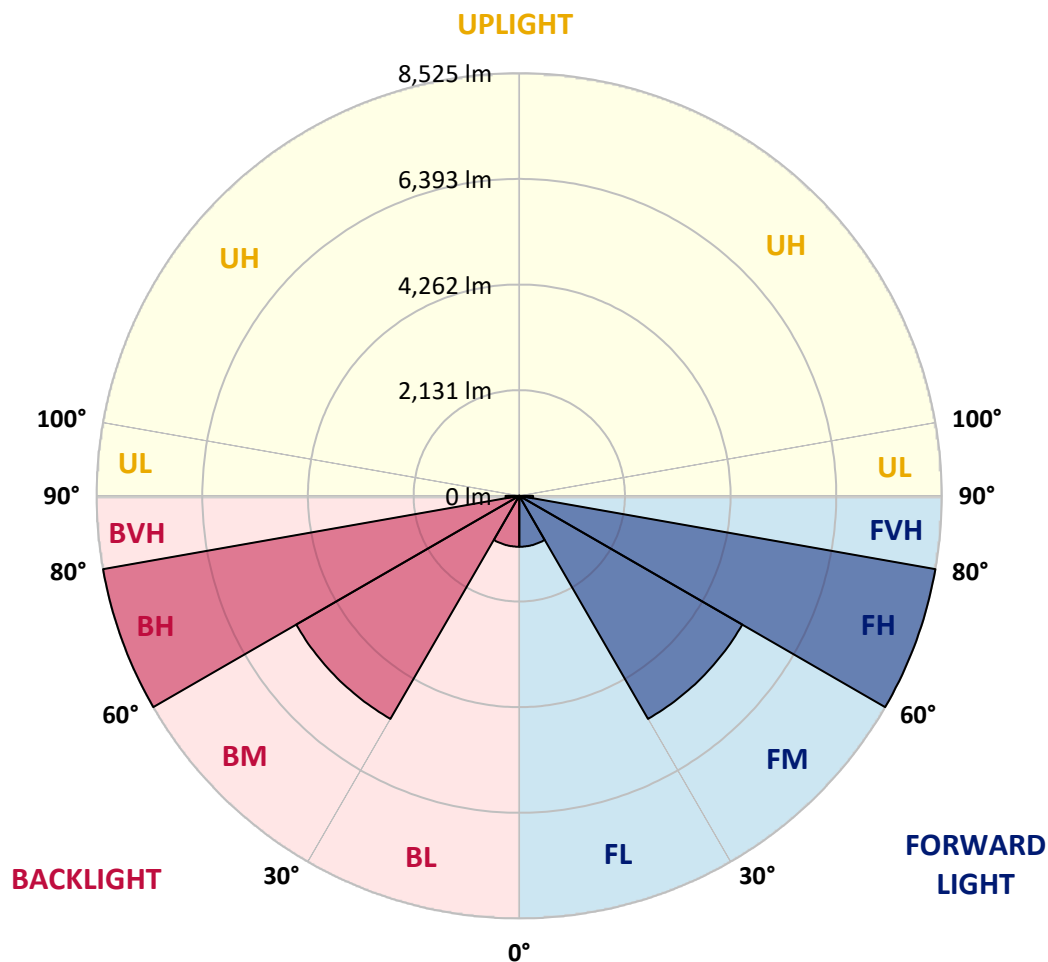
CATALOG NUMBER: GAN-SA4C-760-U-5WQ

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|--------|-----------|-------------------------|------|----------|
|      |             |        |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1027.4 | 3.4       |                         |      |          |
| FM   | (30°-60°)   | 5196.2 | 17.3      |                         |      |          |
| FH   | (60°-80°)   | 8524.6 | 28.4      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 277.7  | 0.9       |                         |      | G3/500   |
| BL   | (0°-30°)    | 1027.4 | 3.4       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 5196.2 | 17.3      | B4/8500                 |      |          |
| BH   | (60°-80°)   | 8524.6 | 28.4      | B5                      |      | G4/12000 |
| BVH  | (80°-90°)   | 277.7  | 0.9       |                         |      | G3/500   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |          |

**BUG Rating: B5-U0-G4**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°    | 85°    | 90°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|
| 0°    | 2473.3  | 2473.3  | 2473.3  | 2473.3  | 2473.3  | 2473.3  | 2473.3  | 2473.3  | 2473.3 | 2473.3 | 2473.3 |
| 2.5°  | 2462.3  | 2465.3  | 2462.3  | 2464.3  | 2459.4  | 2461.4  | 2461.4  | 2461.4  | 2460.4 | 2461.4 | 2459.4 |
| 5°    | 2440.5  | 2442.5  | 2438.5  | 2440.5  | 2437.5  | 2440.5  | 2441.5  | 2440.5  | 2438.5 | 2439.5 | 2435.5 |
| 7.5°  | 2407.7  | 2409.7  | 2406.7  | 2409.7  | 2405.7  | 2410.7  | 2409.7  | 2406.7  | 2403.7 | 2403.7 | 2399.7 |
| 10°   | 2389.8  | 2390.8  | 2382.8  | 2379.8  | 2370.9  | 2372.9  | 2375.9  | 2378.8  | 2381.8 | 2387.8 | 2386.8 |
| 12.5° | 2390.8  | 2390.8  | 2378.8  | 2365.9  | 2353.0  | 2356.0  | 2361.0  | 2371.9  | 2383.8 | 2394.8 | 2395.7 |
| 15°   | 2400.7  | 2399.7  | 2381.8  | 2361.0  | 2352.0  | 2361.0  | 2363.9  | 2370.9  | 2389.8 | 2408.7 | 2409.7 |
| 17.5° | 2407.7  | 2407.7  | 2379.8  | 2356.0  | 2355.0  | 2368.9  | 2367.9  | 2370.9  | 2391.8 | 2419.6 | 2420.6 |
| 20°   | 2420.6  | 2420.6  | 2384.8  | 2359.0  | 2359.0  | 2373.9  | 2374.9  | 2379.8  | 2400.7 | 2431.5 | 2436.5 |
| 22.5° | 2449.4  | 2450.4  | 2412.6  | 2391.8  | 2393.8  | 2402.7  | 2405.7  | 2413.6  | 2432.5 | 2466.3 | 2472.3 |
| 25°   | 2490.2  | 2492.2  | 2453.4  | 2441.5  | 2448.4  | 2465.3  | 2463.3  | 2469.3  | 2490.2 | 2523.0 | 2529.0 |
| 27.5° | 2546.8  | 2541.9  | 2506.1  | 2501.1  | 2508.1  | 2520.0  | 2519.0  | 2520.0  | 2536.9 | 2566.7 | 2573.7 |
| 30°   | 2620.4  | 2618.4  | 2592.6  | 2595.6  | 2592.6  | 2588.6  | 2589.6  | 2597.5  | 2606.5 | 2630.3 | 2637.3 |
| 32.5° | 2692.0  | 2694.0  | 2678.1  | 2693.0  | 2714.8  | 2729.8  | 2706.9  | 2685.0  | 2675.1 | 2688.0 | 2694.0 |
| 35°   | 2821.2  | 2826.2  | 2801.3  | 2791.4  | 2821.2  | 2865.0  | 2800.3  | 2764.6  | 2784.4 | 2801.3 | 2806.3 |
| 37.5° | 3040.9  | 3043.9  | 3002.1  | 2962.4  | 2940.5  | 2982.3  | 2917.6  | 2920.6  | 2990.2 | 3022.0 | 3021.0 |
| 40°   | 3291.4  | 3292.4  | 3264.6  | 3229.8  | 3192.0  | 3201.9  | 3176.1  | 3184.1  | 3229.8 | 3258.6 | 3266.6 |
| 42.5° | 3589.6  | 3586.7  | 3542.9  | 3493.2  | 3482.3  | 3492.2  | 3448.5  | 3442.5  | 3495.2 | 3546.9 | 3547.9 |
| 45°   | 3976.3  | 3969.4  | 3912.7  | 3858.0  | 3805.4  | 3783.5  | 3772.6  | 3801.4  | 3873.9 | 3921.7 | 3922.7 |
| 47.5° | 4392.9  | 4374.0  | 4344.2  | 4300.4  | 4254.7  | 4232.8  | 4214.9  | 4228.8  | 4281.5 | 4300.4 | 4302.4 |
| 50°   | 4821.3  | 4825.3  | 4831.3  | 4814.4  | 4797.5  | 4790.5  | 4743.8  | 4716.9  | 4732.8 | 4698.0 | 4693.1 |
| 52.5° | 5329.3  | 5337.2  | 5394.9  | 5443.6  | 5472.4  | 5487.3  | 5398.9  | 5306.4  | 5254.7 | 5187.1 | 5167.3 |
| 55°   | 5928.7  | 5941.6  | 6026.1  | 6161.3  | 6300.5  | 6374.1  | 6214.0  | 6041.1  | 5881.0 | 5754.8 | 5714.0 |
| 57.5° | 6596.7  | 6619.6  | 6735.9  | 6995.4  | 7280.7  | 7454.6  | 7184.3  | 6870.1  | 6561.0 | 6379.0 | 6347.2 |
| 60°   | 7380.1  | 7402.0  | 7563.0  | 7934.8  | 8397.0  | 8658.5  | 8248.9  | 7735.0  | 7350.3 | 7176.3 | 7117.6 |
| 62.5° | 8312.5  | 8314.5  | 8512.4  | 8946.8  | 9557.1  | 9921.0  | 9366.3  | 8679.4  | 8282.7 | 8073.0 | 8016.3 |
| 65°   | 9315.6  | 9320.5  | 9525.3  | 9994.5  | 10625.8 | 11021.4 | 10395.1 | 9679.4  | 9194.3 | 8885.1 | 8841.4 |
| 67.5° | 10024.4 | 10045.2 | 10260.9 | 10825.6 | 11416.1 | 11772.9 | 11124.8 | 10315.6 | 9755.0 | 9386.2 | 9349.4 |
| 70°   | 9911.0  | 9992.5  | 10246.0 | 10905.1 | 11726.2 | 12235.2 | 11243.1 | 10240.1 | 9500.5 | 9065.1 | 9034.2 |
| 72.5° | 8643.6  | 8799.6  | 9137.6  | 10002.5 | 11315.7 | 12016.5 | 10597.9 | 9171.4  | 8334.4 | 7963.6 | 7907.9 |
| 75°   | 5886.0  | 6139.5  | 6649.4  | 7897.0  | 9667.5  | 10404.1 | 8921.9  | 7312.5  | 6525.2 | 6012.2 | 5974.5 |
| 77.5° | 2624.4  | 2682.0  | 3328.2  | 4764.6  | 6671.3  | 7471.5  | 6482.4  | 4783.5  | 3590.6 | 2864.0 | 2710.9 |
| 80°   | 731.6   | 740.6   | 988.1   | 1774.4  | 3339.1  | 4389.9  | 3584.7  | 1863.9  | 1047.8 | 738.6  | 695.9  |
| 82.5° | 232.6   | 252.5   | 308.2   | 460.3   | 1122.3  | 2003.1  | 1152.1  | 497.0   | 353.9  | 282.3  | 254.5  |
| 85°   | 113.3   | 112.3   | 156.1   | 186.9   | 286.3   | 443.4   | 305.2   | 230.6   | 201.8  | 134.2  | 121.3  |
| 87.5° | 47.7    | 48.7    | 72.6    | 65.6    | 83.5    | 71.6    | 98.4    | 103.4   | 108.4  | 59.6   | 51.7   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    |

(END OF REPORT)