

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: P317188

Luminaire Tested: **GAN-SA4A-760-U-RW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P317188  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA4A-760-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19215 lumens  
Efficiency: N/A  
Efficacy: 149.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G4

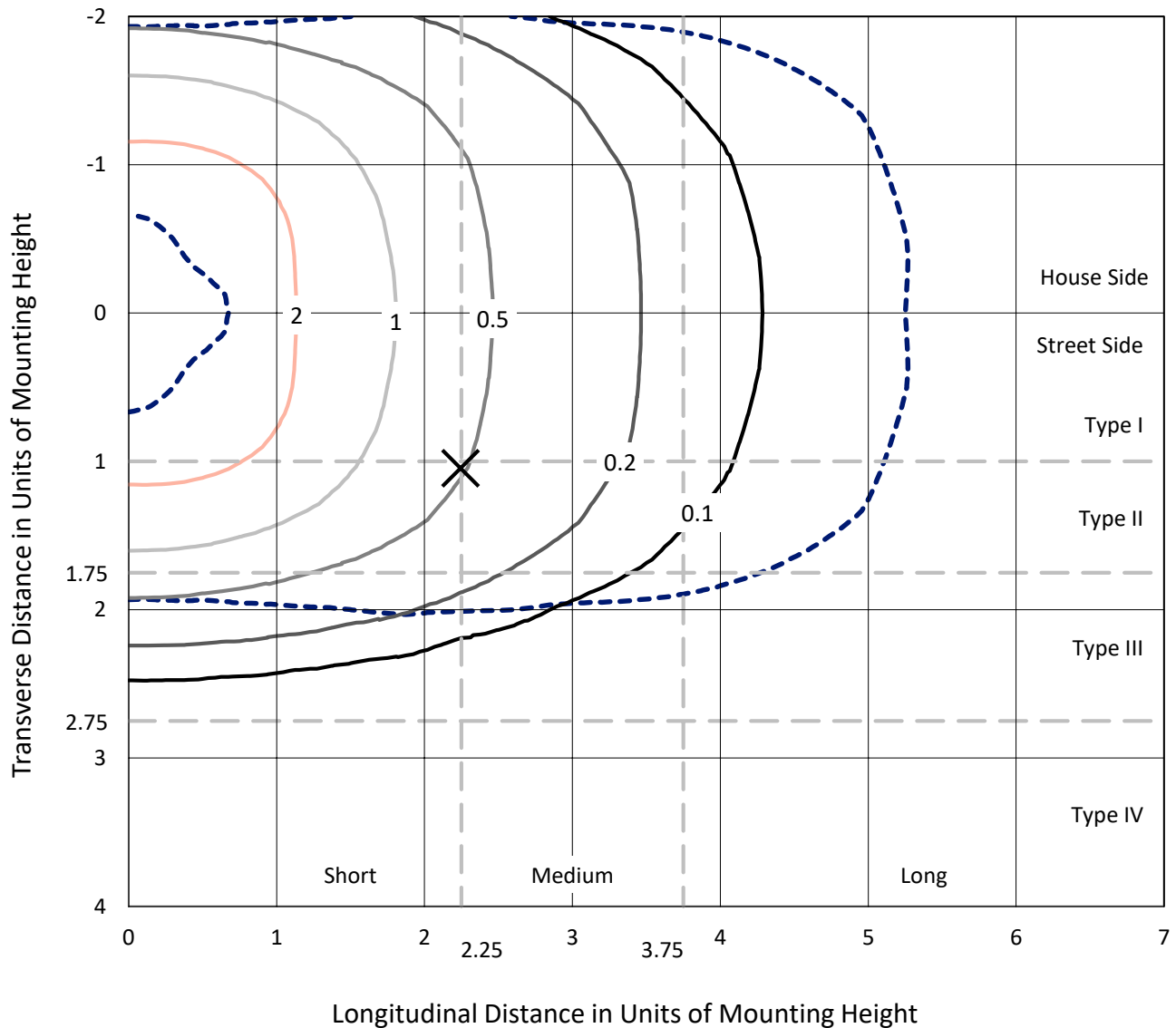
Input Watts (W): 129  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

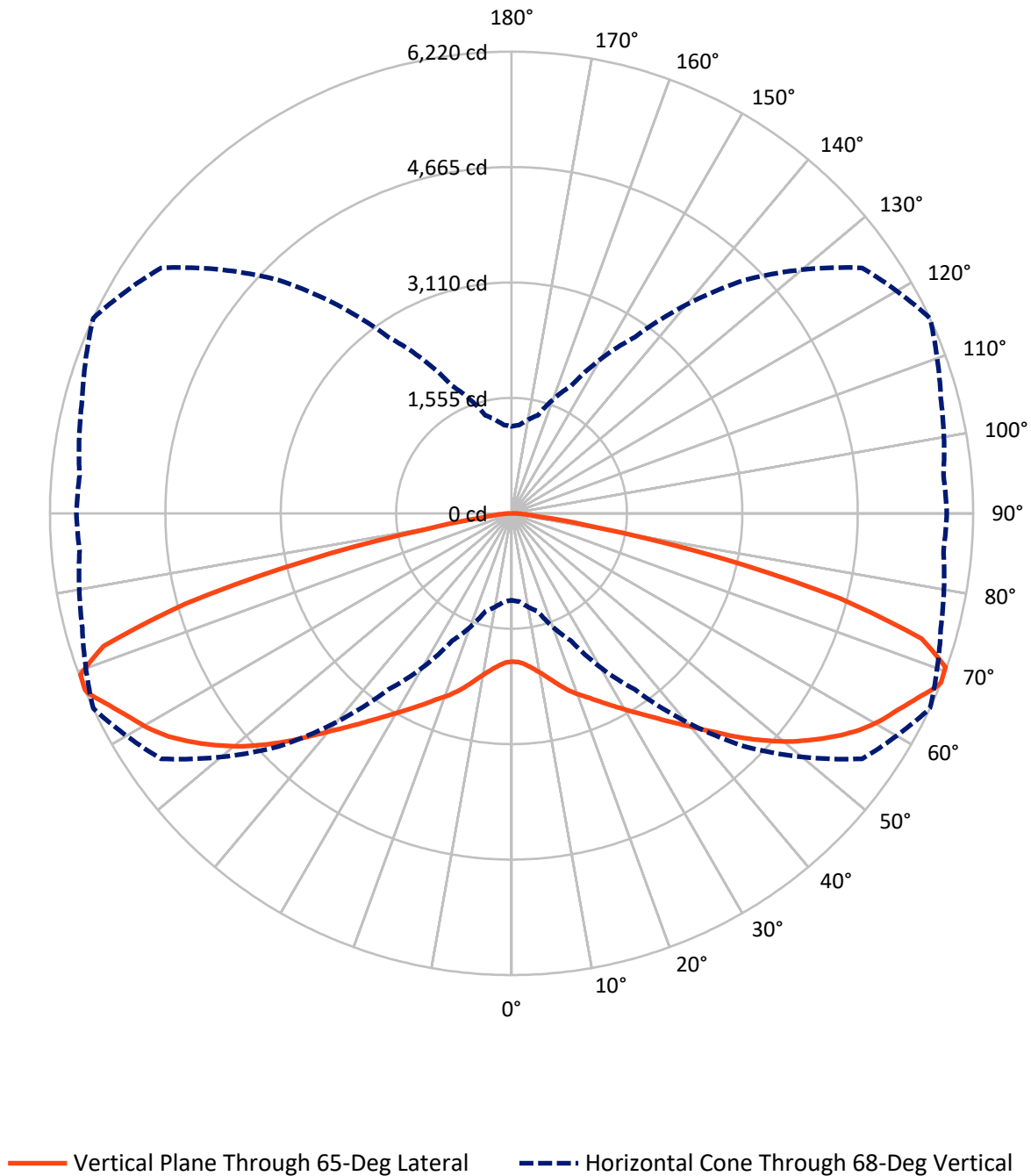
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc  
 Type III - 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    | 9607.5   | 0.0    | 9607.5  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 9607.5   | 0.0    | 9607.5  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 19215.0  | 0.0    | 19215.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 195.6   | 1.0       |
| 10°-20°   | 655.0   | 3.4       |
| 20°-30°   | 1277.0  | 6.6       |
| 30°-40°   | 2145.3  | 11.2      |
| 40°-50°   | 3380.3  | 17.6      |
| 50°-60°   | 4520.6  | 23.5      |
| 60°-70°   | 4394.6  | 22.9      |
| 70°-80°   | 2402.3  | 12.5      |
| 80°-90°   | 244.3   | 1.3       |
| 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°    | 19215.0 | 100.0     |
| 0°-180°   | 19215.0 | 100.0     |

**Coefficient of Utilization**



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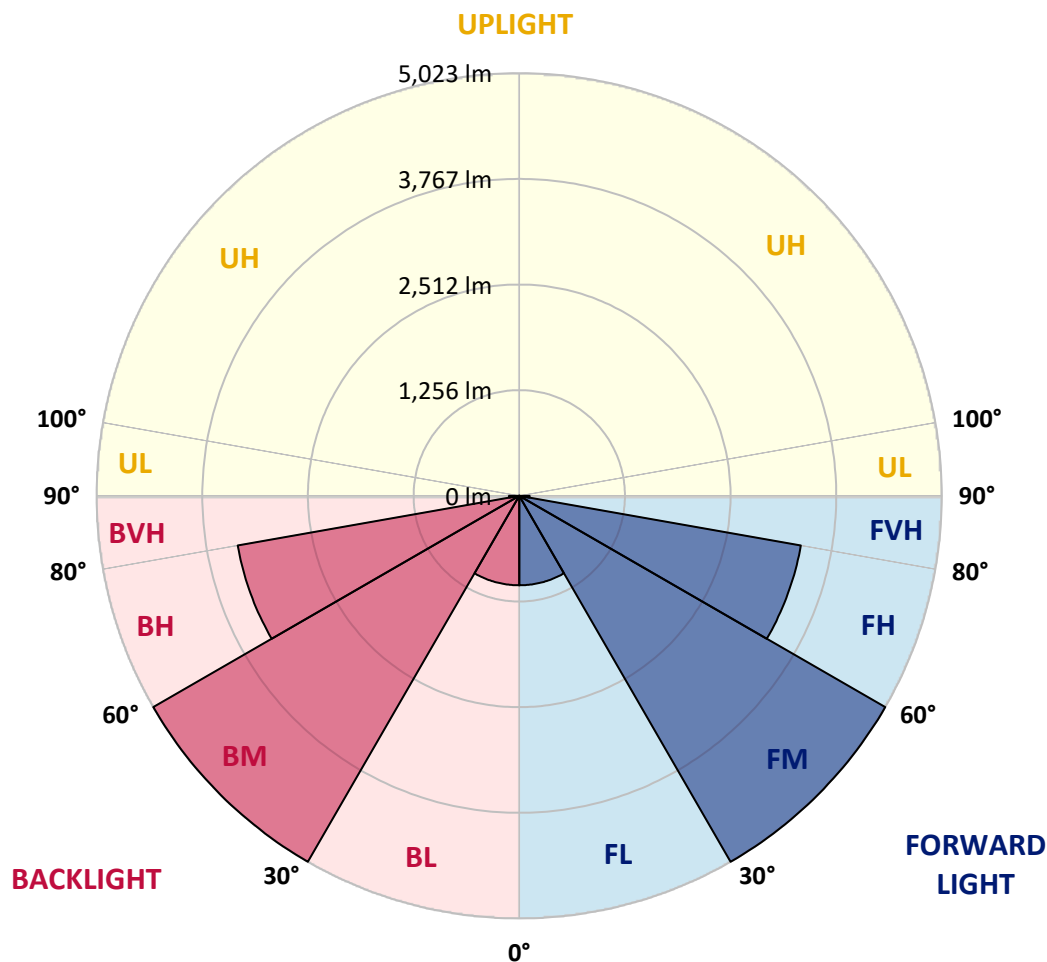
CATALOG NUMBER: GAN-SA4A-760-U-RW

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1063.8 | 5.5       |                         |      |         |
| FM   | (30°-60°)   | 5023.1 | 26.1      |                         |      |         |
| FH   | (60°-80°)   | 3398.4 | 17.7      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 122.2  | 0.6       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1063.8 | 5.5       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 5023.1 | 26.1      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 3398.4 | 17.7      | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 122.2  | 0.6       |                         |      | G2/225  |
| 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 Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1997.9 | 1997.9 | 1997.9 | 1997.9 | 1997.9 | 1997.9 | 1997.9 | 1997.9 | 1997.9 | 1997.9 | 1997.9 |
| 2.5°  | 1983.7 | 1984.4 | 1987.6 | 1991.5 | 1994.7 | 2003.1 | 2005.0 | 2008.2 | 2009.5 | 2012.7 | 2012.7 |
| 5°    | 1966.3 | 1967.6 | 1975.4 | 1985.7 | 1997.3 | 2017.9 | 2032.7 | 2049.5 | 2057.8 | 2066.8 | 2066.2 |
| 7.5°  | 1964.4 | 1967.6 | 1978.6 | 1995.3 | 2014.7 | 2048.8 | 2079.7 | 2113.2 | 2135.8 | 2156.4 | 2155.1 |
| 10°   | 1984.4 | 1989.5 | 2005.0 | 2030.1 | 2059.1 | 2101.6 | 2147.4 | 2192.5 | 2231.8 | 2263.4 | 2264.6 |
| 12.5° | 2014.7 | 2021.1 | 2045.6 | 2083.6 | 2127.4 | 2182.2 | 2236.3 | 2287.2 | 2341.3 | 2388.3 | 2392.2 |
| 15°   | 2054.6 | 2063.0 | 2099.7 | 2156.4 | 2223.4 | 2288.5 | 2346.5 | 2398.6 | 2461.1 | 2526.2 | 2532.7 |
| 17.5° | 2113.9 | 2125.5 | 2173.8 | 2250.5 | 2338.7 | 2410.2 | 2470.8 | 2510.1 | 2562.3 | 2629.3 | 2641.5 |
| 20°   | 2204.1 | 2218.9 | 2280.1 | 2371.6 | 2479.2 | 2553.9 | 2600.3 | 2608.7 | 2634.5 | 2694.4 | 2708.5 |
| 22.5° | 2321.3 | 2334.2 | 2402.5 | 2511.4 | 2631.9 | 2713.1 | 2737.5 | 2704.0 | 2701.5 | 2749.8 | 2763.3 |
| 25°   | 2452.1 | 2463.7 | 2543.0 | 2665.4 | 2794.9 | 2884.4 | 2883.8 | 2818.7 | 2773.6 | 2811.0 | 2825.2 |
| 27.5° | 2599.0 | 2617.1 | 2693.1 | 2821.9 | 2960.5 | 3048.7 | 3043.6 | 2943.1 | 2857.4 | 2867.0 | 2879.3 |
| 30°   | 2767.8 | 2787.8 | 2861.9 | 2992.7 | 3131.2 | 3217.5 | 3211.1 | 3078.4 | 2949.5 | 2923.7 | 2932.8 |
| 32.5° | 2977.2 | 3001.0 | 3071.3 | 3200.1 | 3322.5 | 3400.5 | 3381.8 | 3225.3 | 3060.3 | 3004.3 | 3012.6 |
| 35°   | 3229.1 | 3243.3 | 3317.4 | 3444.3 | 3543.5 | 3597.0 | 3557.7 | 3395.3 | 3200.8 | 3133.1 | 3133.1 |
| 37.5° | 3484.3 | 3495.2 | 3578.3 | 3701.4 | 3797.4 | 3825.7 | 3749.1 | 3581.5 | 3384.4 | 3288.4 | 3290.3 |
| 40°   | 3729.1 | 3758.7 | 3852.1 | 3978.4 | 4073.1 | 4080.9 | 3979.1 | 3794.2 | 3588.6 | 3489.4 | 3501.0 |
| 42.5° | 3984.9 | 4013.9 | 4125.3 | 4268.3 | 4352.1 | 4365.0 | 4245.8 | 4032.5 | 3819.3 | 3738.7 | 3751.6 |
| 45°   | 4212.9 | 4236.1 | 4365.0 | 4531.2 | 4635.6 | 4669.1 | 4528.0 | 4305.7 | 4068.6 | 3990.0 | 3993.2 |
| 47.5° | 4372.1 | 4402.4 | 4544.1 | 4740.0 | 4892.0 | 4943.5 | 4805.0 | 4571.8 | 4314.1 | 4218.7 | 4227.1 |
| 50°   | 4516.4 | 4532.5 | 4676.2 | 4890.1 | 5083.4 | 5189.7 | 5071.1 | 4834.7 | 4562.1 | 4461.0 | 4470.0 |
| 52.5° | 4596.9 | 4617.5 | 4756.7 | 4979.6 | 5208.3 | 5379.7 | 5307.6 | 5071.1 | 4801.8 | 4703.2 | 4714.2 |
| 55°   | 4540.9 | 4556.3 | 4723.2 | 4999.6 | 5285.7 | 5497.0 | 5507.9 | 5302.4 | 5037.0 | 4950.6 | 4981.6 |
| 57.5° | 4285.7 | 4305.1 | 4508.7 | 4870.7 | 5295.3 | 5576.2 | 5658.7 | 5517.0 | 5256.7 | 5186.4 | 5204.5 |
| 60°   | 3886.9 | 3899.2 | 4116.3 | 4523.5 | 5107.2 | 5609.1 | 5754.7 | 5692.2 | 5471.9 | 5401.6 | 5426.1 |
| 62.5° | 3176.3 | 3194.3 | 3454.0 | 3999.7 | 4709.7 | 5511.8 | 5847.5 | 5837.2 | 5672.2 | 5607.8 | 5629.7 |
| 65°   | 2171.2 | 2202.8 | 2490.1 | 3180.2 | 4097.0 | 5214.1 | 5931.9 | 6006.0 | 5849.4 | 5768.2 | 5797.2 |
| 67.5° | 1311.1 | 1334.3 | 1542.4 | 2099.7 | 3135.1 | 4613.7 | 5844.9 | 6198.0 | 5974.4 | 5843.6 | 5867.4 |
| 68°   | 1171.9 | 1193.2 | 1367.2 | 1894.8 | 2899.9 | 4444.2 | 5765.6 | 6219.9 | 5987.9 | 5842.3 | 5863.6 |
| 70°   | 708.1  | 722.2  | 838.9  | 1171.3 | 1933.5 | 3525.5 | 5225.1 | 6201.8 | 6074.3 | 5860.4 | 5872.6 |
| 72.5° | 461.3  | 465.8  | 485.1  | 601.1  | 987.7  | 1971.5 | 3921.7 | 5779.2 | 6203.8 | 5965.4 | 5963.4 |
| 75°   | 383.3  | 380.8  | 382.7  | 396.2  | 487.1  | 864.6  | 2291.7 | 4565.4 | 5913.8 | 5799.8 | 5759.2 |
| 77.5° | 324.1  | 322.1  | 321.5  | 322.1  | 326.0  | 417.5  | 994.8  | 2843.8 | 4525.4 | 5130.4 | 5166.5 |
| 80°   | 262.2  | 259.6  | 268.0  | 264.2  | 252.6  | 259.6  | 416.8  | 1182.9 | 2133.2 | 2294.9 | 2150.6 |
| 82.5° | 190.7  | 181.0  | 217.1  | 206.8  | 197.1  | 183.0  | 230.0  | 382.1  | 509.0  | 349.2  | 245.5  |
| 85°   | 146.9  | 136.6  | 164.9  | 158.5  | 135.3  | 93.4   | 136.6  | 186.8  | 206.2  | 117.9  | 92.8   |
| 87.5° | 59.9   | 63.1   | 119.2  | 94.1   | 79.2   | 45.1   | 56.1   | 74.7   | 100.5  | 50.3   | 38.7   |
| 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)