

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: P527522

Luminaire Tested: **GLAN-SA2C-740-U-5NQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527522  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA2C-740-U-5NQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12735 lumens  
Efficiency: N/A  
Efficacy: 117.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

Input Watts (W): 108  
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

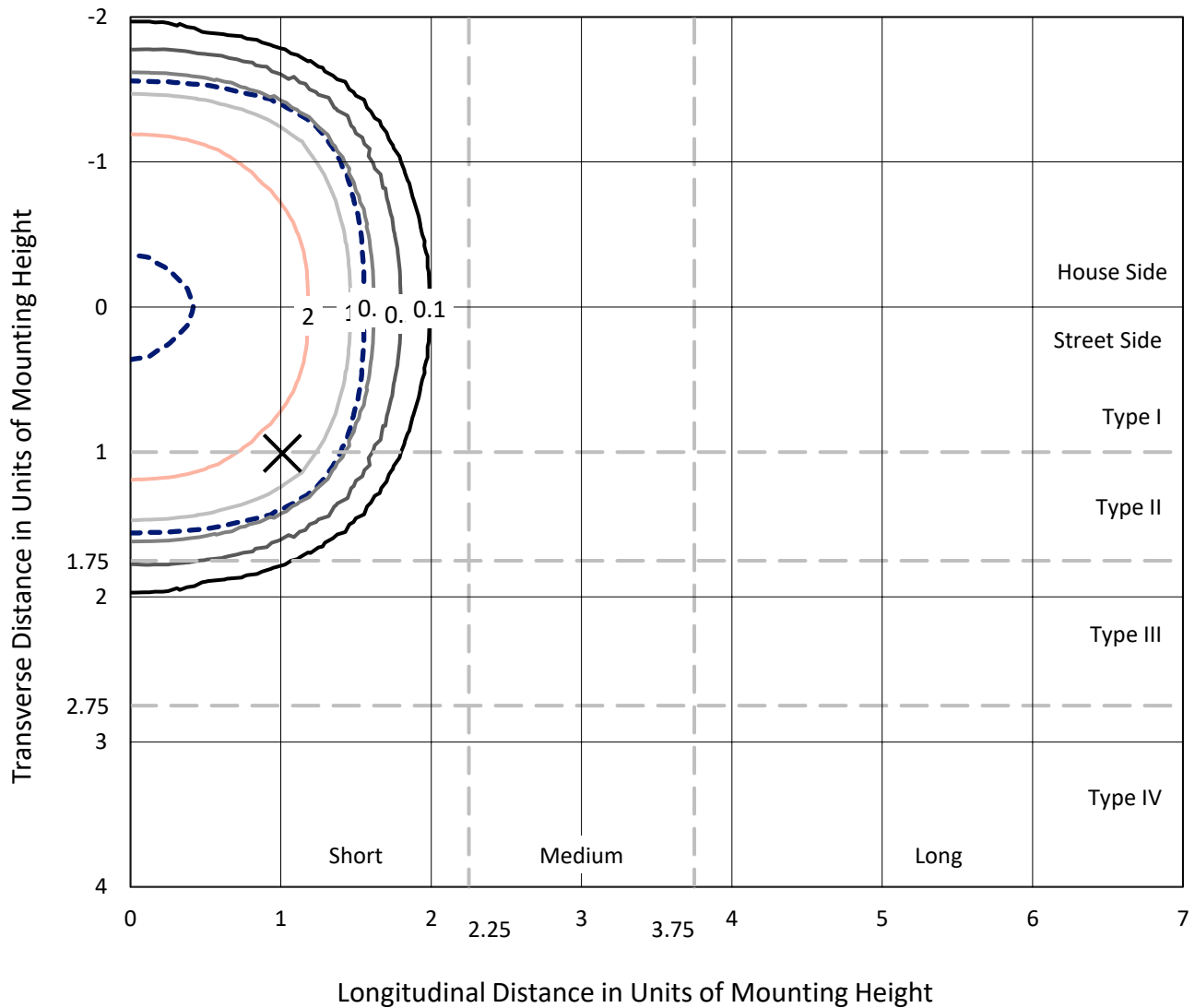


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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

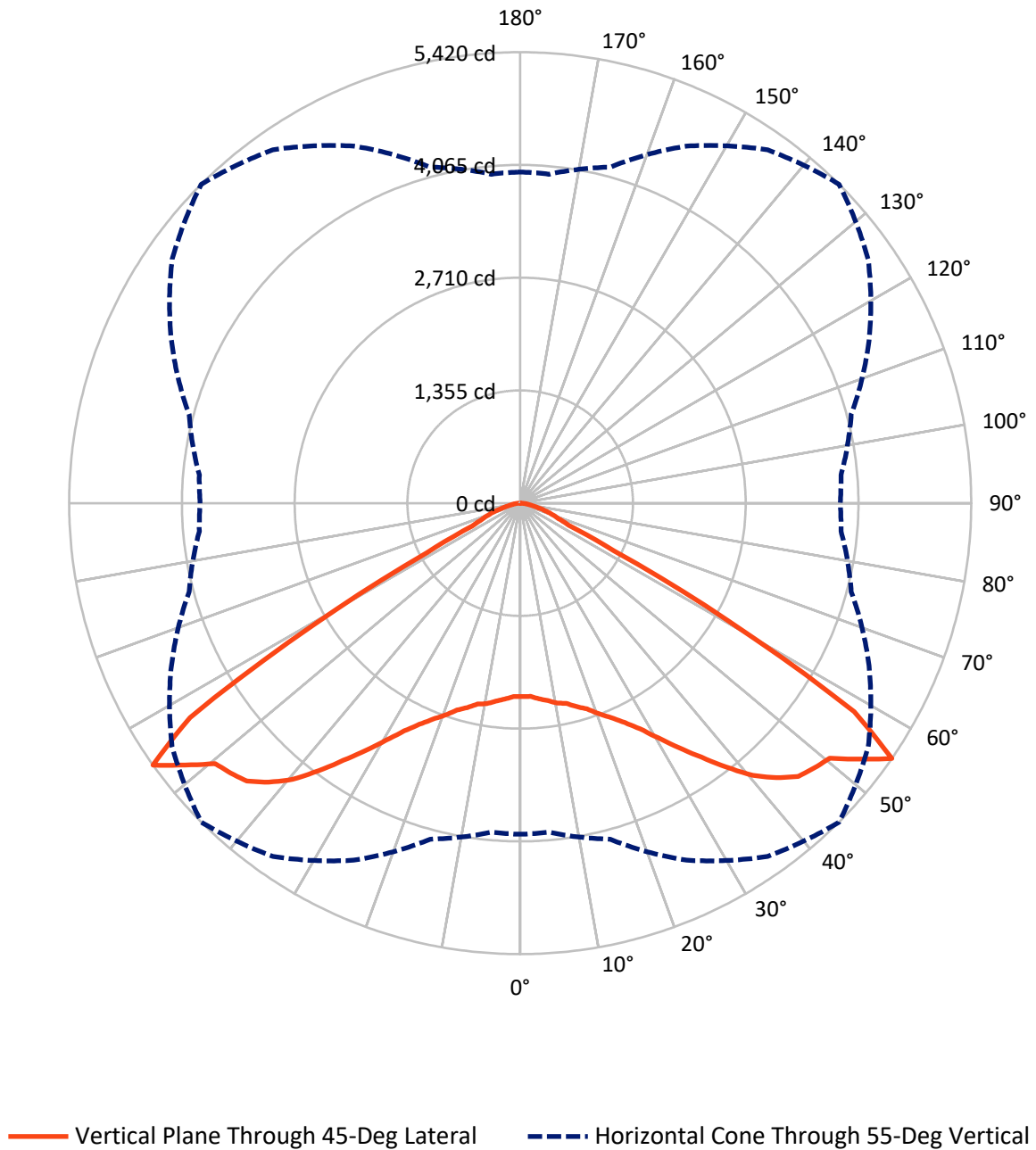


Based on 25 foot mounting height. Maximum calculated value = 3.7 fc  
 Type V - Short - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 6367.5   | 0.0    | 6367.5  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 6367.5   | 0.0    | 6367.5  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 12735.0  | 0.0    | 12735.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 227.2   | 1.8       |
| 10°-20°   | 719.7   | 5.7       |
| 20°-30°   | 1342.1  | 10.5      |
| 30°-40°   | 2247.1  | 17.6      |
| 40°-50°   | 3496.6  | 27.5      |
| 50°-60°   | 3630.6  | 28.5      |
| 60°-70°   | 769.9   | 6.0       |
| 70°-80°   | 253.6   | 2.0       |
| 80°-90°   | 48.3    | 0.4       |
| 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°    | 12735.0 | 100.0     |
| 0°-180°   | 12735.0 | 100.0     |

**Coefficient of Utilization**



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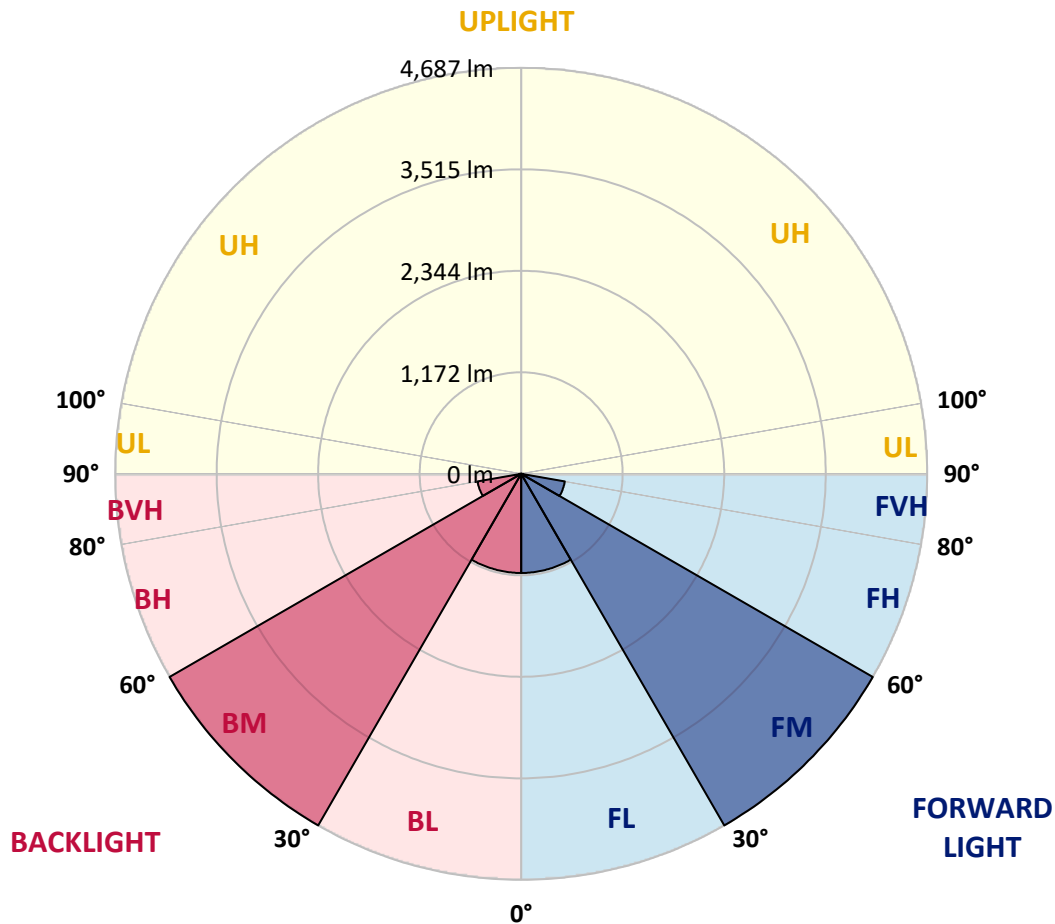
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 1144.5 | 9.0       |                         |      |        |
| FM   | (30°-60°)   | 4687.1 | 36.8      |                         |      |        |
| FH   | (60°-80°)   | 511.8  | 4.0       |                         |      | G0/660 |
| FVH  | (80°-90°)   | 24.1   | 0.2       |                         |      | G1/100 |
| BL   | (0°-30°)    | 1144.5 | 9.0       | B3/2500                 |      |        |
| BM   | (30°-60°)   | 4687.1 | 36.8      | B3/5000                 |      |        |
| BH   | (60°-80°)   | 511.8  | 4.0       | B2/1000                 |      | G0/660 |
| BVH  | (80°-90°)   | 24.1   | 0.2       |                         |      | G1/100 |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |        |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |        |

**BUG Rating: B3-U0-G1**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2325.2 | 2325.2 | 2325.2 | 2325.2 | 2325.2 | 2325.2 | 2325.2 | 2325.2 | 2325.2 | 2325.2 | 2325.2 |
| 2.5°  | 2352.9 | 2342.1 | 2323.7 | 2337.5 | 2348.3 | 2325.2 | 2334.5 | 2339.1 | 2336.0 | 2323.7 | 2328.3 |
| 5°    | 2386.8 | 2380.6 | 2365.2 | 2376.0 | 2362.2 | 2362.2 | 2352.9 | 2340.6 | 2359.1 | 2356.0 | 2363.7 |
| 7.5°  | 2386.8 | 2379.1 | 2409.9 | 2389.9 | 2396.0 | 2396.0 | 2380.6 | 2368.3 | 2377.5 | 2363.7 | 2356.0 |
| 10°   | 2434.5 | 2445.3 | 2431.4 | 2436.0 | 2432.9 | 2443.7 | 2420.6 | 2412.9 | 2405.2 | 2400.6 | 2391.4 |
| 12.5° | 2491.4 | 2483.7 | 2488.3 | 2485.3 | 2496.0 | 2468.3 | 2454.5 | 2437.6 | 2451.4 | 2431.4 | 2445.3 |
| 15°   | 2537.6 | 2533.0 | 2537.6 | 2549.9 | 2539.1 | 2537.6 | 2513.0 | 2496.0 | 2474.5 | 2479.1 | 2457.6 |
| 17.5° | 2600.7 | 2596.1 | 2597.6 | 2608.4 | 2606.8 | 2599.1 | 2580.7 | 2548.4 | 2540.7 | 2528.4 | 2514.5 |
| 20°   | 2694.5 | 2686.9 | 2683.8 | 2688.4 | 2696.1 | 2702.2 | 2665.3 | 2653.0 | 2626.8 | 2606.8 | 2583.7 |
| 22.5° | 2774.6 | 2771.5 | 2783.8 | 2763.8 | 2780.7 | 2799.2 | 2763.8 | 2757.6 | 2693.0 | 2682.2 | 2657.6 |
| 25°   | 2885.4 | 2880.8 | 2873.1 | 2902.3 | 2922.3 | 2920.8 | 2886.9 | 2853.1 | 2803.8 | 2791.5 | 2791.5 |
| 27.5° | 3002.3 | 2976.2 | 3016.2 | 3023.9 | 3059.3 | 3070.0 | 3040.8 | 2991.5 | 2945.4 | 2919.2 | 2925.4 |
| 30°   | 3148.5 | 3123.9 | 3133.1 | 3188.5 | 3234.7 | 3274.7 | 3200.8 | 3128.5 | 3063.9 | 3017.7 | 3010.0 |
| 32.5° | 3294.7 | 3270.1 | 3297.8 | 3351.6 | 3444.0 | 3504.0 | 3431.7 | 3305.5 | 3230.1 | 3162.4 | 3176.2 |
| 35°   | 3413.2 | 3431.7 | 3476.3 | 3557.8 | 3653.3 | 3750.2 | 3634.8 | 3537.8 | 3430.1 | 3354.7 | 3365.5 |
| 37.5° | 3604.0 | 3661.0 | 3696.3 | 3790.2 | 3925.6 | 4025.7 | 3905.6 | 3779.4 | 3664.0 | 3565.5 | 3531.7 |
| 40°   | 3853.3 | 3891.8 | 3931.8 | 4042.6 | 4202.6 | 4302.7 | 4188.8 | 4024.1 | 3910.2 | 3808.7 | 3804.1 |
| 42.5° | 4127.2 | 4164.2 | 4205.7 | 4341.1 | 4436.5 | 4511.9 | 4407.3 | 4319.6 | 4193.4 | 4113.4 | 4108.8 |
| 45°   | 4445.8 | 4419.6 | 4465.8 | 4555.0 | 4635.1 | 4684.3 | 4616.6 | 4573.5 | 4482.7 | 4408.8 | 4401.1 |
| 47.5° | 4658.1 | 4635.1 | 4718.2 | 4798.2 | 4810.5 | 4756.6 | 4770.5 | 4810.5 | 4715.1 | 4593.5 | 4632.0 |
| 50°   | 4781.2 | 4781.2 | 4836.6 | 4910.5 | 4887.4 | 4818.2 | 4927.4 | 4930.5 | 4835.1 | 4727.4 | 4727.4 |
| 52.5° | 4567.3 | 4615.0 | 4772.0 | 5013.6 | 5090.6 | 5110.6 | 5085.9 | 4981.3 | 4732.0 | 4511.9 | 4501.2 |
| 55°   | 3979.5 | 3968.7 | 4181.1 | 4735.1 | 5182.9 | 5419.9 | 5105.9 | 4624.3 | 4118.0 | 3870.2 | 3845.6 |
| 57.5° | 2588.4 | 2600.7 | 2917.7 | 3482.4 | 4290.3 | 4732.0 | 4202.6 | 3525.5 | 2917.7 | 2576.1 | 2608.4 |
| 60°   | 1164.9 | 1206.5 | 1398.8 | 1820.5 | 2514.5 | 2874.6 | 2520.7 | 1912.8 | 1468.1 | 1274.2 | 1291.1 |
| 62.5° | 669.4  | 677.1  | 684.8  | 812.5  | 1071.0 | 1266.5 | 1112.6 | 858.7  | 757.1  | 723.3  | 723.3  |
| 65°   | 564.8  | 560.1  | 561.7  | 572.5  | 600.2  | 640.2  | 623.2  | 600.2  | 603.2  | 600.2  | 595.5  |
| 67.5° | 480.1  | 486.3  | 481.7  | 489.4  | 490.9  | 497.1  | 507.8  | 517.1  | 518.6  | 521.7  | 518.6  |
| 70°   | 393.9  | 395.5  | 398.6  | 404.7  | 406.3  | 410.9  | 426.3  | 434.0  | 438.6  | 438.6  | 444.7  |
| 72.5° | 301.6  | 300.1  | 303.2  | 309.3  | 317.0  | 318.5  | 332.4  | 343.2  | 349.3  | 341.6  | 343.2  |
| 75°   | 198.5  | 200.1  | 204.7  | 209.3  | 220.1  | 230.8  | 235.4  | 246.2  | 247.8  | 250.8  | 243.1  |
| 77.5° | 118.5  | 121.6  | 126.2  | 135.4  | 144.7  | 153.9  | 164.7  | 172.4  | 175.4  | 172.4  | 163.1  |
| 80°   | 76.9   | 76.9   | 83.1   | 90.8   | 101.6  | 109.3  | 115.4  | 121.6  | 126.2  | 121.6  | 118.5  |
| 82.5° | 47.7   | 47.7   | 55.4   | 64.6   | 72.3   | 76.9   | 86.2   | 93.9   | 98.5   | 95.4   | 90.8   |
| 85°   | 24.6   | 26.2   | 32.3   | 40.0   | 46.2   | 49.2   | 47.7   | 43.1   | 38.5   | 36.9   | 33.9   |
| 87.5° | 7.7    | 7.7    | 9.2    | 9.2    | 7.7    | 7.7    | 9.2    | 7.7    | 9.2    | 9.2    | 9.2    |
| 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)