

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: P528516

Luminaire Tested: **GLAN-SA3C-760-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528516  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA3C-760-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18390 lumens  
Efficiency: N/A  
Efficacy: 114.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

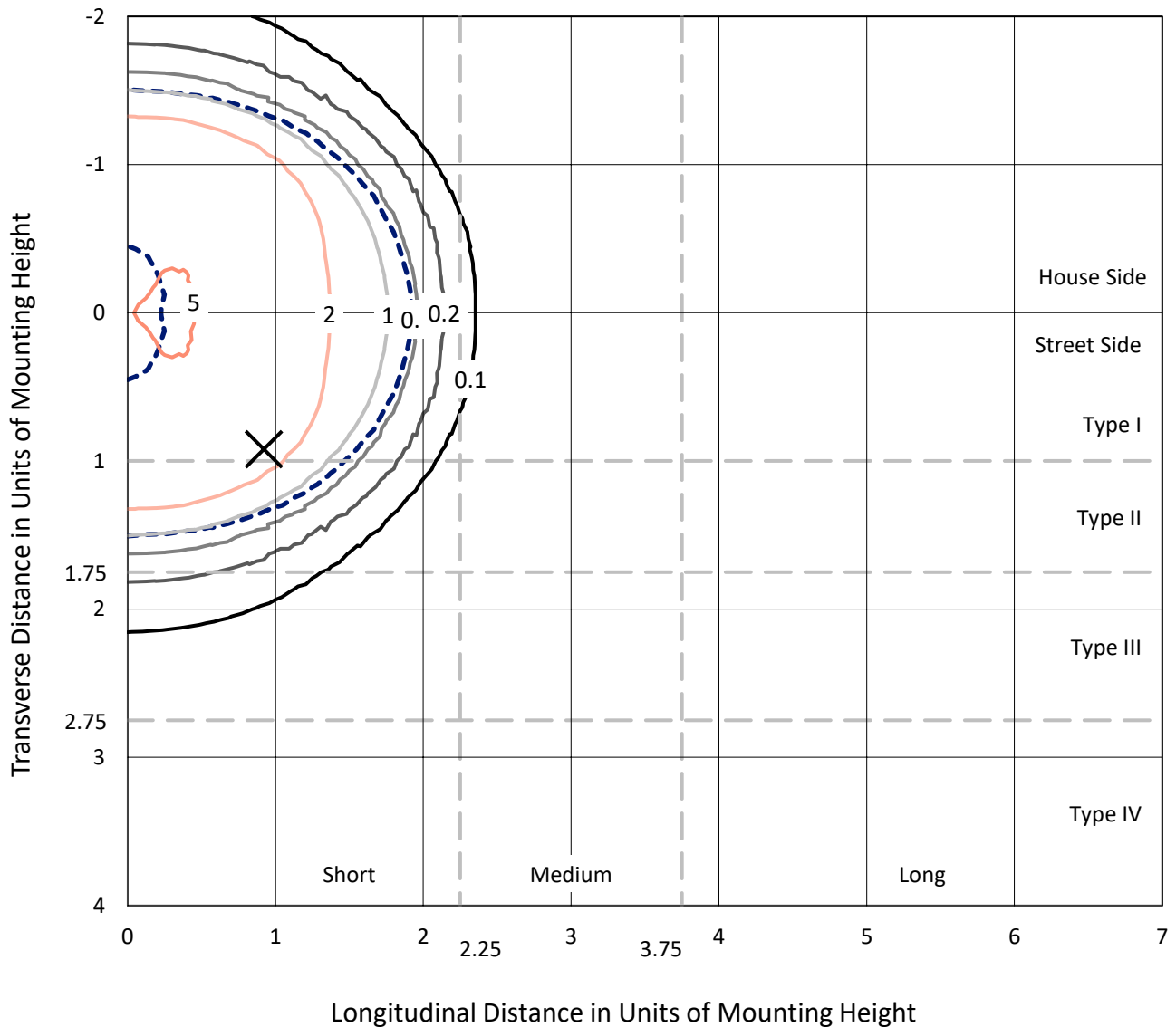
Input Watts (W): 160  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

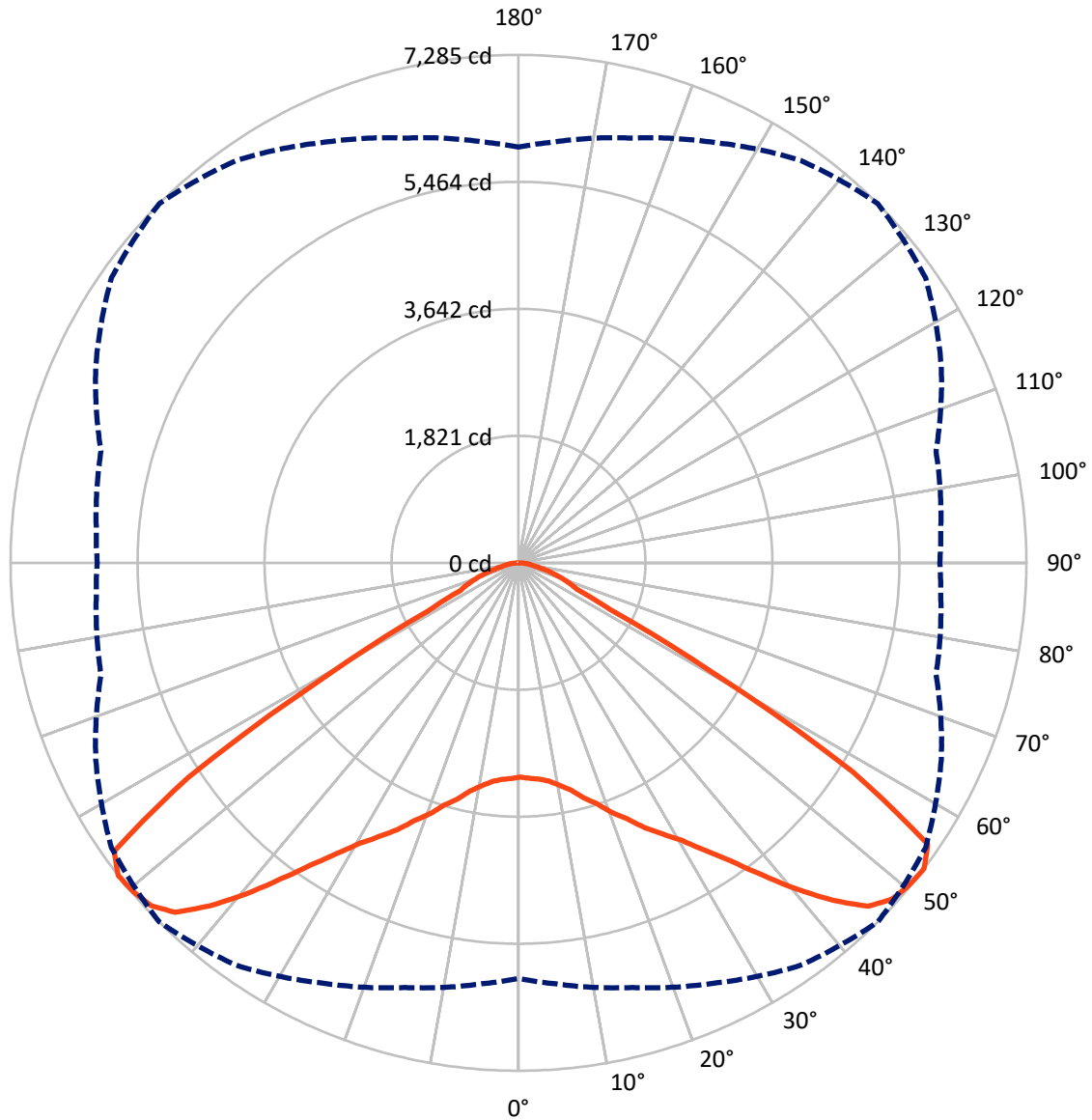
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 52.5-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 9195.0   | 0.0    | 9195.0  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 9195.0   | 0.0    | 9195.0  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 18390.0  | 0.0    | 18390.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 302.0   | 1.6       |
| 10°-20°   | 992.4   | 5.4       |
| 20°-30°   | 1889.5  | 10.3      |
| 30°-40°   | 3244.3  | 17.6      |
| 40°-50°   | 4986.6  | 27.1      |
| 50°-60°   | 5063.8  | 27.5      |
| 60°-70°   | 1411.2  | 7.7       |
| 70°-80°   | 416.3   | 2.3       |
| 80°-90°   | 83.9    | 0.5       |
| 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°    | 18390.0 | 100.0     |
| 0°-180°   | 18390.0 | 100.0     |

**Coefficient of Utilization**



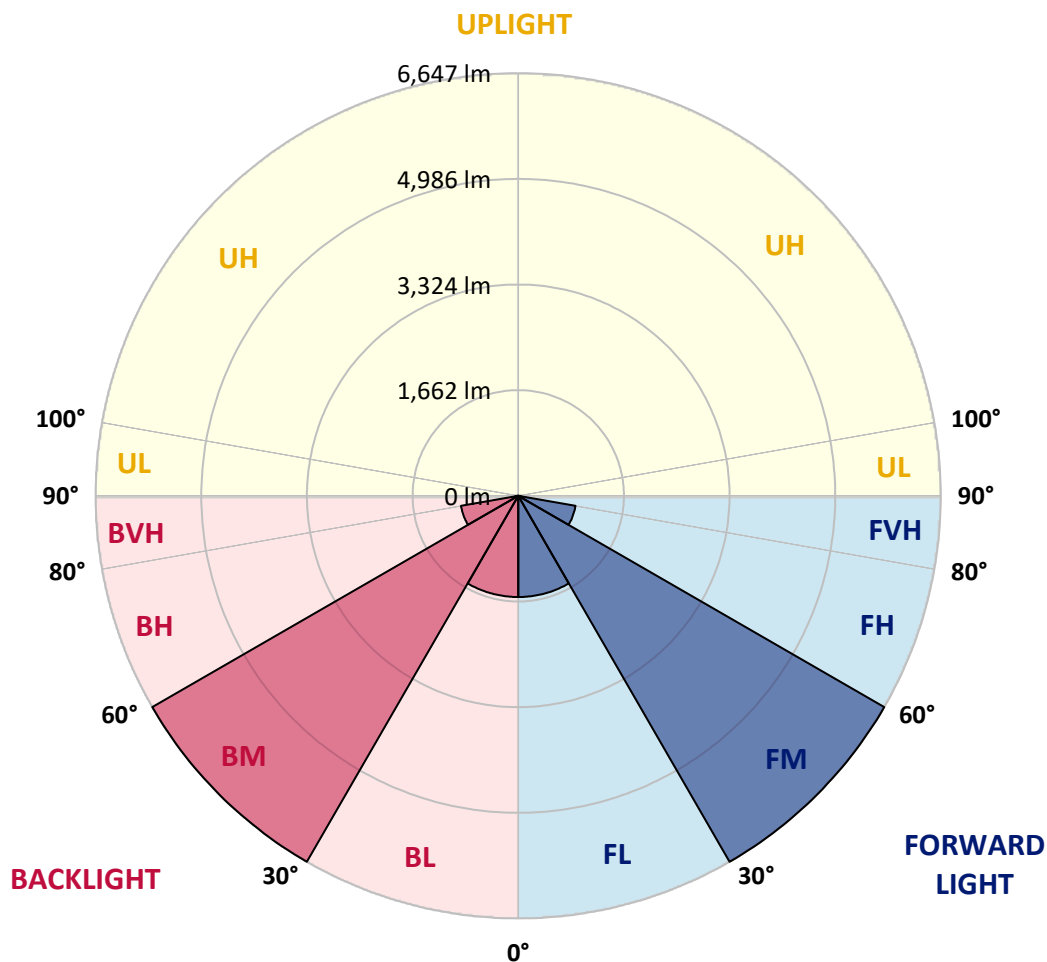
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 1592.0 | 8.7       |                         |      |         |
| FM (30°-60°)   | 6647.4 | 36.1      |                         |      |         |
| FH (60°-80°)   | 913.8  | 5.0       |                         |      | G1/1800 |
| FVH (80°-90°)  | 41.9   | 0.2       |                         |      | G1/100  |
| BL (0°-30°)    | 1592.0 | 8.7       | B3/2500                 |      |         |
| BM (30°-60°)   | 6647.4 | 36.1      | B4/8500                 |      |         |
| BH (60°-80°)   | 913.8  | 5.0       | B2/1000                 |      | G1/1800 |
| BVH (80°-90°)  | 41.9   | 0.2       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G1**

Type V Short





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CATALOG NUMBER: GLAN-SA3C-760-U-RW-GRSWH

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3074.1 | 3074.1 | 3074.1 | 3074.1 | 3074.1 | 3074.1 | 3074.1 | 3074.1 | 3074.1 | 3074.1 | 3074.1 |
| 2.5°  | 3081.0 | 3049.0 | 3060.4 | 3067.3 | 3097.0 | 3094.7 | 3087.8 | 3097.0 | 3106.1 | 3108.4 | 3103.8 |
| 5°    | 3078.7 | 3055.9 | 3065.0 | 3071.8 | 3101.5 | 3117.5 | 3112.9 | 3151.7 | 3179.1 | 3172.3 | 3206.5 |
| 7.5°  | 3060.4 | 3074.1 | 3062.7 | 3097.0 | 3122.1 | 3160.9 | 3201.9 | 3238.4 | 3272.7 | 3311.5 | 3318.3 |
| 10°   | 3101.5 | 3101.5 | 3122.1 | 3149.4 | 3215.6 | 3245.3 | 3304.6 | 3357.1 | 3423.3 | 3469.0 | 3450.7 |
| 12.5° | 3144.9 | 3151.7 | 3151.7 | 3222.5 | 3277.2 | 3343.4 | 3398.2 | 3469.0 | 3562.5 | 3617.3 | 3644.7 |
| 15°   | 3188.2 | 3192.8 | 3215.6 | 3311.5 | 3393.6 | 3498.6 | 3548.8 | 3612.7 | 3665.2 | 3767.9 | 3770.2 |
| 17.5° | 3227.0 | 3252.1 | 3320.6 | 3427.9 | 3530.6 | 3631.0 | 3710.9 | 3777.1 | 3822.7 | 3863.8 | 3854.6 |
| 20°   | 3373.1 | 3391.4 | 3462.1 | 3569.4 | 3722.3 | 3820.4 | 3847.8 | 3859.2 | 3888.9 | 3971.0 | 3945.9 |
| 22.5° | 3514.6 | 3521.4 | 3587.6 | 3751.9 | 3859.2 | 3989.3 | 4019.0 | 4012.1 | 4023.5 | 4044.1 | 4080.6 |
| 25°   | 3660.7 | 3672.1 | 3763.4 | 3902.6 | 4053.2 | 4208.4 | 4233.5 | 4181.0 | 4165.0 | 4187.8 | 4190.1 |
| 27.5° | 3847.8 | 3850.1 | 3966.5 | 4087.4 | 4258.6 | 4404.7 | 4443.5 | 4402.4 | 4327.1 | 4345.3 | 4375.0 |
| 30°   | 4085.1 | 4069.2 | 4185.6 | 4359.0 | 4539.3 | 4621.5 | 4687.7 | 4667.1 | 4585.0 | 4569.0 | 4543.9 |
| 32.5° | 4359.0 | 4363.6 | 4468.6 | 4658.0 | 4776.7 | 4913.6 | 4984.3 | 4950.1 | 4897.6 | 4870.2 | 4886.2 |
| 35°   | 4744.7 | 4765.2 | 4836.0 | 4993.5 | 5185.2 | 5253.6 | 5365.5 | 5292.4 | 5155.5 | 5189.7 | 5219.4 |
| 37.5° | 5061.9 | 5121.3 | 5253.6 | 5440.8 | 5554.9 | 5680.4 | 5721.5 | 5623.4 | 5522.9 | 5481.9 | 5580.0 |
| 40°   | 5548.0 | 5529.8 | 5675.8 | 5863.0 | 6031.9 | 6157.4 | 6104.9 | 6006.8 | 5758.0 | 5760.3 | 5787.7 |
| 42.5° | 5965.7 | 5974.8 | 6086.6 | 6310.3 | 6540.8 | 6618.4 | 6451.8 | 6212.2 | 5936.0 | 5906.3 | 5965.7 |
| 45°   | 6317.1 | 6353.7 | 6417.6 | 6716.5 | 6942.5 | 7026.9 | 6718.8 | 6435.8 | 6066.1 | 5942.9 | 6041.0 |
| 47.5° | 6442.7 | 6502.0 | 6641.2 | 6915.1 | 7138.7 | 7207.2 | 6960.7 | 6554.5 | 6187.1 | 5986.2 | 6038.7 |
| 50°   | 6460.9 | 6440.4 | 6668.6 | 6919.6 | 7115.9 | 7264.3 | 7047.5 | 6641.2 | 6157.4 | 6052.4 | 6036.4 |
| 52.5° | 5961.1 | 6061.5 | 6305.7 | 6650.3 | 7047.5 | 7284.8 | 7125.0 | 6689.1 | 6198.5 | 6079.8 | 6041.0 |
| 55°   | 4824.6 | 4705.9 | 5150.9 | 5730.6 | 6460.9 | 7120.5 | 7097.7 | 6714.2 | 6223.6 | 6125.4 | 6072.9 |
| 57.5° | 2693.0 | 2727.2 | 2978.3 | 3608.2 | 4550.7 | 5646.2 | 6310.3 | 6449.5 | 6212.2 | 6155.1 | 6182.5 |
| 60°   | 1246.1 | 1257.5 | 1364.8 | 1659.2 | 2243.4 | 3201.9 | 4076.0 | 4963.8 | 5372.3 | 5454.5 | 5454.5 |
| 62.5° | 928.9  | 924.3  | 951.7  | 1004.2 | 1127.4 | 1472.0 | 1965.0 | 2670.2 | 3231.6 | 3624.1 | 3726.8 |
| 65°   | 839.9  | 837.6  | 851.3  | 869.5  | 878.6  | 926.6  | 1036.1 | 1252.9 | 1435.5 | 1540.5 | 1522.2 |
| 67.5° | 734.9  | 732.6  | 737.2  | 748.6  | 764.5  | 789.6  | 817.0  | 862.7  | 926.6  | 922.0  | 910.6  |
| 70°   | 593.4  | 593.4  | 600.2  | 609.3  | 627.6  | 657.3  | 689.2  | 721.2  | 775.9  | 787.4  | 785.1  |
| 72.5° | 438.2  | 431.3  | 445.0  | 463.3  | 481.5  | 518.1  | 552.3  | 582.0  | 620.8  | 632.2  | 627.6  |
| 75°   | 278.4  | 283.0  | 292.1  | 312.7  | 344.6  | 369.7  | 406.2  | 431.3  | 456.4  | 465.6  | 467.9  |
| 77.5° | 155.2  | 159.8  | 175.7  | 200.8  | 232.8  | 260.2  | 292.1  | 312.7  | 328.6  | 330.9  | 333.2  |
| 80°   | 93.6   | 95.9   | 111.8  | 134.7  | 162.0  | 191.7  | 216.8  | 237.3  | 251.0  | 244.2  | 241.9  |
| 82.5° | 57.1   | 59.3   | 73.0   | 93.6   | 116.4  | 139.2  | 166.6  | 184.9  | 198.6  | 189.4  | 180.3  |
| 85°   | 29.7   | 32.0   | 43.4   | 57.1   | 75.3   | 86.7   | 86.7   | 77.6   | 75.3   | 70.7   | 68.5   |
| 87.5° | 9.1    | 9.1    | 11.4   | 13.7   | 11.4   | 13.7   | 16.0   | 18.3   | 18.3   | 20.5   | 18.3   |
| 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)