

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: P455150

Luminaire Tested: **GLAN-SA6B-750-U-5NQ**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P455150  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6B-750-U-5NQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 35214 lumens  
Efficiency: N/A  
Efficacy: 144.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2

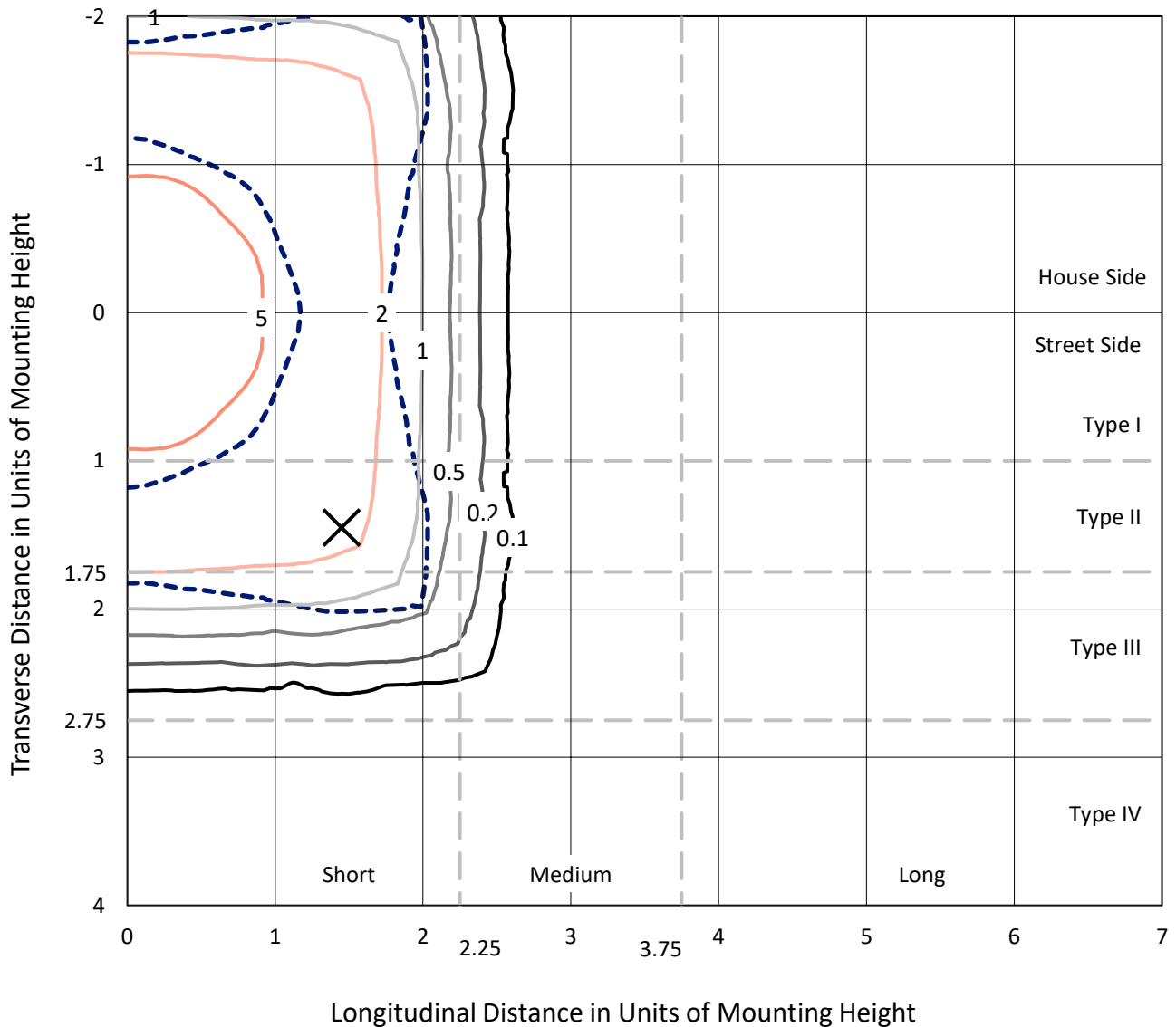
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

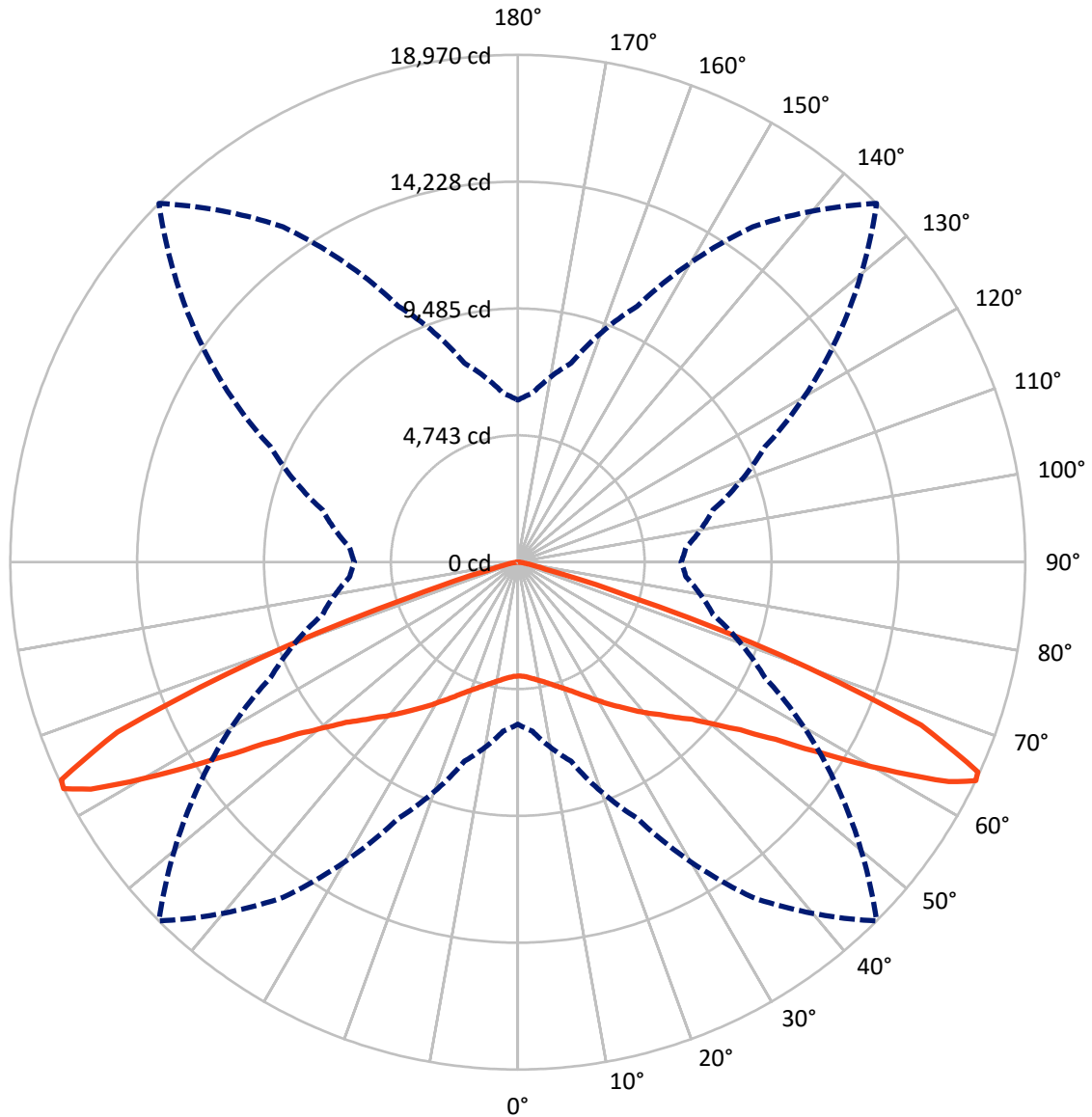
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 64-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 17607.0  | 0.0    | 17607.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 17607.0  | 0.0    | 17607.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 35214.0  | 0.0    | 35214.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 418.1   | 1.2       |
| 10°-20°   | 1348.8  | 3.8       |
| 20°-30°   | 2548.8  | 7.2       |
| 30°-40°   | 4221.1  | 12.0      |
| 40°-50°   | 6589.8  | 18.7      |
| 50°-60°   | 10187.7 | 28.9      |
| 60°-70°   | 8784.8  | 24.9      |
| 70°-80°   | 995.5   | 2.8       |
| 80°-90°   | 119.3   | 0.3       |
| 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°    | 35214.0 | 100.0     |
| 0°-180°   | 35214.0 | 100.0     |

**Coefficient of Utilization**



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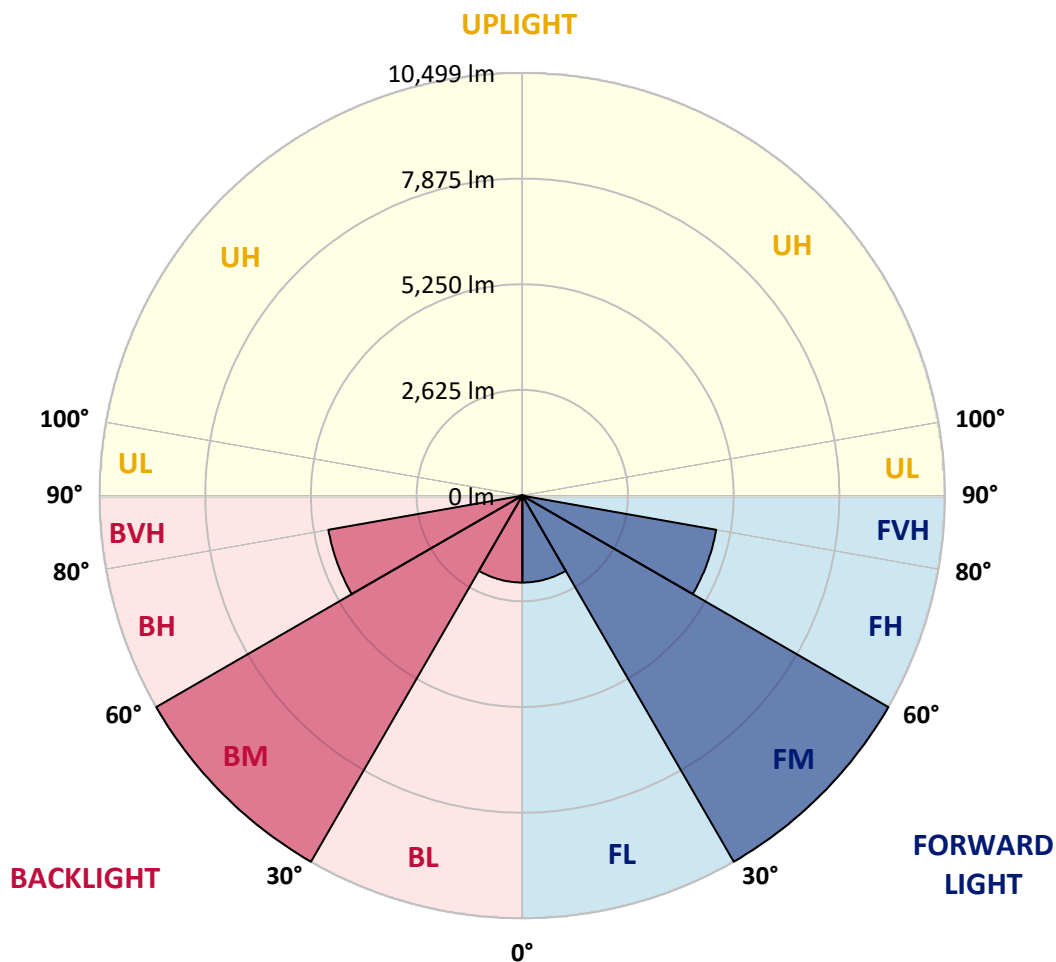
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|---------|-----------|-------------------------|------|---------|
|                |         |           | B                       | U    | G       |
| FL (0°-30°)    | 2157.9  | 6.1       |                         |      |         |
| FM (30°-60°)   | 10499.4 | 29.8      |                         |      |         |
| FH (60°-80°)   | 4890.2  | 13.9      |                         |      | G2/5000 |
| FVH (80°-90°)  | 59.6    | 0.2       |                         |      | G1/100  |
| BL (0°-30°)    | 2157.9  | 6.1       | B3/2500                 |      |         |
| BM (30°-60°)   | 10499.4 | 29.8      | B5                      |      |         |
| BH (60°-80°)   | 4890.2  | 13.9      | B4/5000                 |      | G2/5000 |
| BVH (80°-90°)  | 59.6    | 0.2       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B5-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     | 90°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4256.2  | 4256.2  | 4256.2  | 4256.2  | 4256.2  | 4256.2  | 4256.2  | 4256.2  | 4256.2  | 4256.2  | 4256.2  |
| 2.5°  | 4273.0  | 4282.3  | 4274.9  | 4273.0  | 4271.1  | 4271.1  | 4271.1  | 4273.0  | 4280.5  | 4286.0  | 4282.3  |
| 5°    | 4327.1  | 4334.5  | 4330.8  | 4328.9  | 4327.1  | 4328.9  | 4325.2  | 4323.3  | 4328.9  | 4328.9  | 4327.1  |
| 7.5°  | 4394.2  | 4403.5  | 4399.8  | 4403.5  | 4405.4  | 4407.3  | 4398.0  | 4390.5  | 4388.6  | 4394.2  | 4390.5  |
| 10°   | 4485.6  | 4493.1  | 4494.9  | 4496.8  | 4500.5  | 4498.7  | 4487.5  | 4474.4  | 4472.6  | 4470.7  | 4468.8  |
| 12.5° | 4588.2  | 4593.8  | 4595.7  | 4603.1  | 4608.7  | 4610.6  | 4597.5  | 4586.3  | 4567.7  | 4571.4  | 4563.9  |
| 15°   | 4703.8  | 4715.0  | 4713.2  | 4724.3  | 4739.3  | 4743.0  | 4729.9  | 4711.3  | 4694.5  | 4685.2  | 4679.6  |
| 17.5° | 4845.6  | 4853.0  | 4849.3  | 4860.5  | 4879.2  | 4888.5  | 4877.3  | 4853.0  | 4836.3  | 4815.7  | 4804.5  |
| 20°   | 5013.4  | 5026.5  | 5030.2  | 5030.2  | 5047.0  | 5056.3  | 5039.6  | 5032.1  | 5006.0  | 4991.1  | 4981.7  |
| 22.5° | 5203.7  | 5209.3  | 5220.5  | 5231.7  | 5248.4  | 5244.7  | 5239.1  | 5227.9  | 5203.7  | 5190.6  | 5175.7  |
| 25°   | 5418.2  | 5423.8  | 5451.7  | 5476.0  | 5481.6  | 5477.9  | 5470.4  | 5464.8  | 5442.4  | 5412.6  | 5401.4  |
| 27.5° | 5668.1  | 5679.3  | 5716.6  | 5739.0  | 5739.0  | 5740.8  | 5725.9  | 5744.6  | 5696.1  | 5660.6  | 5656.9  |
| 30°   | 5981.4  | 5988.9  | 6020.6  | 6043.0  | 6031.8  | 6022.5  | 6018.7  | 6037.4  | 5985.2  | 5921.8  | 5906.8  |
| 32.5° | 6291.1  | 6317.2  | 6345.1  | 6393.6  | 6354.5  | 6337.7  | 6333.9  | 6347.0  | 6287.3  | 6216.4  | 6195.9  |
| 35°   | 6623.0  | 6641.7  | 6693.9  | 6734.9  | 6699.5  | 6660.3  | 6677.1  | 6718.2  | 6647.3  | 6552.2  | 6548.4  |
| 37.5° | 6990.5  | 7007.3  | 7074.4  | 7117.3  | 7091.2  | 7024.0  | 7052.0  | 7100.5  | 7029.6  | 6912.1  | 6887.9  |
| 40°   | 7372.8  | 7408.3  | 7492.2  | 7537.0  | 7494.1  | 7404.5  | 7456.8  | 7509.0  | 7445.6  | 7309.4  | 7255.3  |
| 42.5° | 7801.8  | 7857.8  | 7979.0  | 8001.4  | 7919.3  | 7798.1  | 7889.5  | 7973.4  | 7928.6  | 7772.0  | 7751.4  |
| 45°   | 8303.5  | 8337.1  | 8486.3  | 8534.8  | 8421.0  | 8269.9  | 8383.7  | 8536.7  | 8503.1  | 8322.2  | 8283.0  |
| 47.5° | 8864.9  | 8896.6  | 9051.4  | 9124.2  | 8980.6  | 8777.3  | 8982.4  | 9182.0  | 9161.5  | 8967.5  | 8948.8  |
| 50°   | 9528.9  | 9536.4  | 9750.8  | 9832.9  | 9689.3  | 9514.0  | 9696.8  | 9944.8  | 9862.8  | 9614.7  | 9611.0  |
| 52.5° | 10256.3 | 10265.6 | 10536.1 | 10694.6 | 10614.4 | 10416.7 | 10633.0 | 10784.1 | 10575.2 | 10250.7 | 10226.5 |
| 55°   | 10886.7 | 10933.3 | 11302.6 | 11724.1 | 11834.2 | 11690.6 | 11755.9 | 11685.0 | 11170.2 | 10715.1 | 10644.2 |
| 57.5° | 11144.1 | 11235.5 | 11796.9 | 12584.0 | 13300.2 | 13512.8 | 13009.2 | 12334.0 | 11407.1 | 10763.6 | 10694.6 |
| 60°   | 10515.5 | 10614.4 | 11485.4 | 12979.4 | 14807.2 | 15730.4 | 14314.8 | 12444.1 | 10868.1 | 9963.5  | 9855.3  |
| 62.5° | 8421.0  | 8449.0  | 9730.3  | 12048.7 | 15685.7 | 18076.7 | 14865.0 | 11505.9 | 9299.5  | 8070.4  | 8027.5  |
| 64°   | 6059.8  | 6347.0  | 7704.8  | 10564.0 | 15301.4 | 18970.1 | 14547.9 | 10191.0 | 7553.7  | 6309.7  | 6108.3  |
| 65°   | 4532.2  | 4610.6  | 6210.8  | 9021.6  | 14624.4 | 18903.0 | 13932.4 | 8933.9  | 6255.6  | 4828.8  | 4605.0  |
| 67.5° | 1712.2  | 1721.5  | 2292.2  | 4496.8  | 10411.1 | 16263.8 | 10633.0 | 4860.5  | 2635.4  | 1906.2  | 1837.1  |
| 70°   | 710.6   | 723.7   | 841.2   | 1512.6  | 4474.4  | 10442.8 | 5127.2  | 1753.2  | 964.3   | 781.5   | 770.3   |
| 72.5° | 520.4   | 527.8   | 563.3   | 671.4   | 1376.5  | 4287.9  | 1686.1  | 744.2   | 565.1   | 505.4   | 499.9   |
| 75°   | 408.5   | 412.2   | 438.3   | 494.3   | 641.6   | 1188.1  | 701.3   | 511.0   | 430.8   | 387.9   | 384.2   |
| 77.5° | 311.5   | 320.8   | 339.5   | 376.8   | 430.8   | 563.3   | 464.4   | 382.3   | 332.0   | 296.6   | 291.0   |
| 80°   | 214.5   | 225.7   | 261.1   | 276.0   | 289.1   | 365.6   | 317.1   | 289.1   | 259.3   | 216.4   | 203.3   |
| 82.5° | 132.4   | 139.9   | 175.3   | 188.4   | 182.8   | 205.2   | 203.3   | 207.0   | 184.6   | 134.3   | 125.0   |
| 85°   | 69.0    | 72.7    | 95.1    | 98.9    | 91.4    | 83.9    | 104.4   | 121.2   | 113.8   | 76.5    | 74.6    |
| 87.5° | 14.9    | 16.8    | 20.5    | 18.7    | 20.5    | 20.5    | 26.1    | 39.2    | 41.0    | 26.1    | 24.2    |
| 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)