

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: P648964

Luminaire Tested: **GLAN-SA6C-835-U-5WQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P648964  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6C-835-U-5WQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17027.1 lumens  
Efficiency: N/A  
Efficacy: 53.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

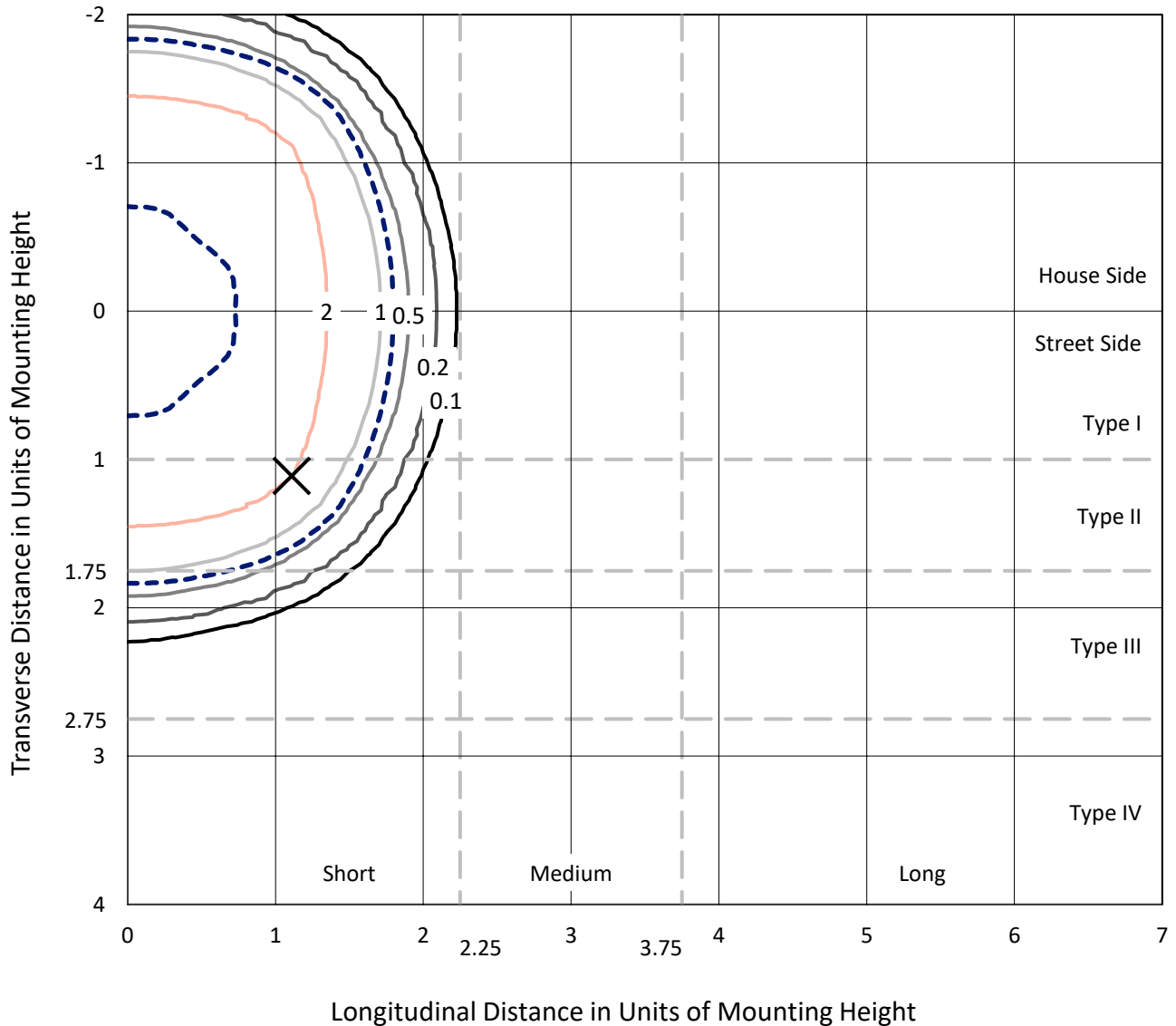
Input Watts (W): 321  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

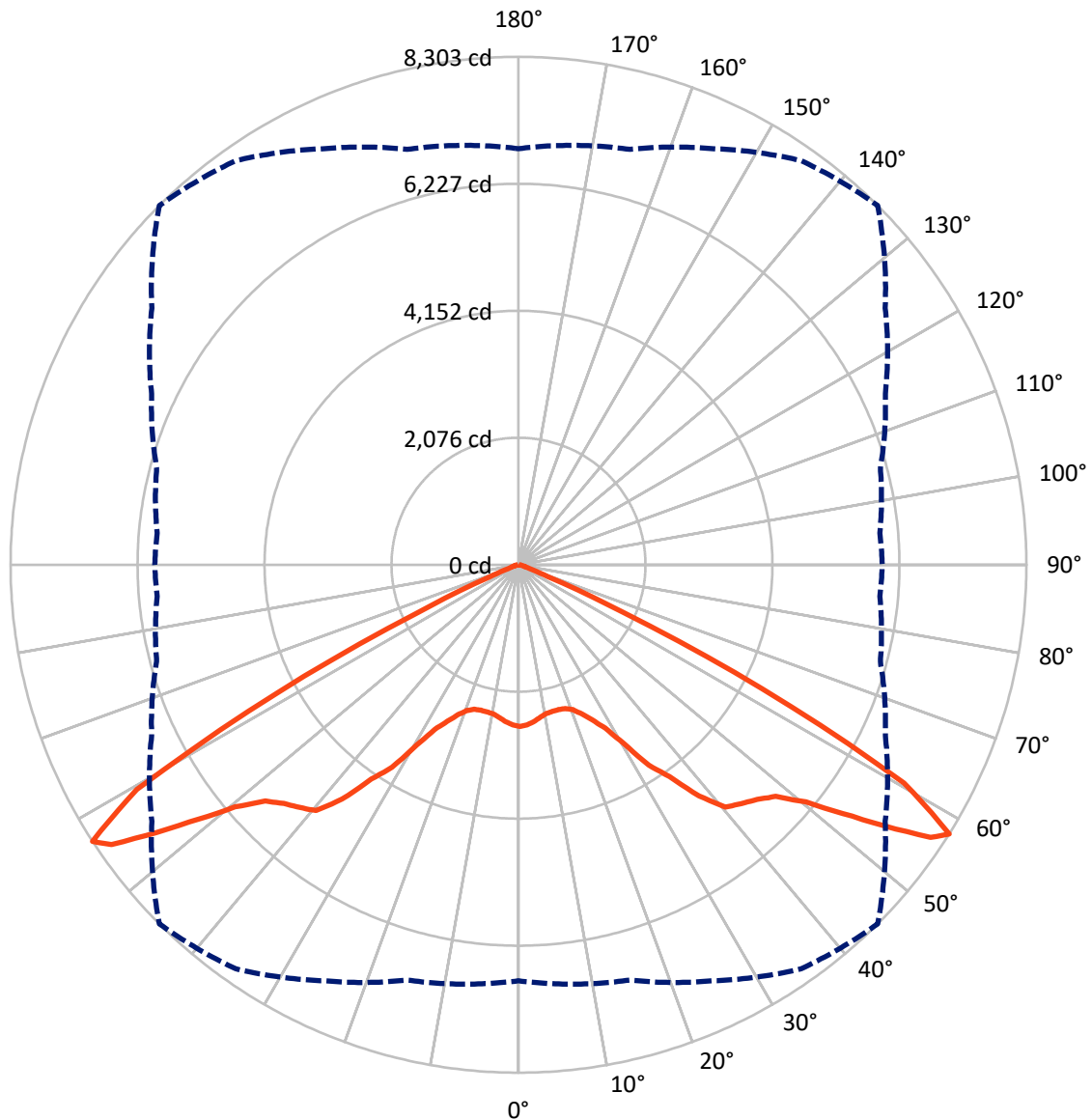
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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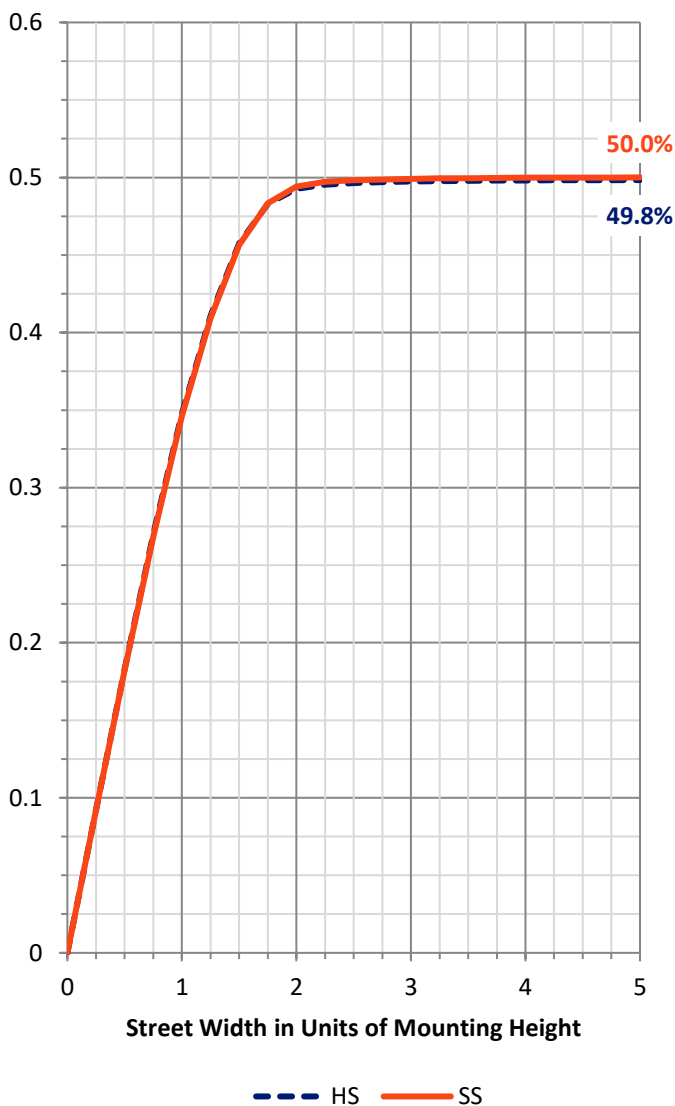
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 8513.6   | 0.0    | 8513.6  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 8513.6   | 0.0    | 8513.6  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 17027.1  | 0.0    | 17027.1 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 242.7   | 1.4       |
| 10°-20°   | 701.5   | 4.1       |
| 20°-30°   | 1294.9  | 7.6       |
| 30°-40°   | 2546.6  | 15.0      |
| 40°-50°   | 4147.7  | 24.4      |
| 50°-60°   | 5915.2  | 34.7      |
| 60°-70°   | 2048.0  | 12.0      |
| 70°-80°   | 109.9   | 0.6       |
| 80°-90°   | 20.6    | 0.1       |
| 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°    | 17027.1 | 100.0     |
| 0°-180°   | 17027.1 | 100.0     |

**Coefficient of Utilization**



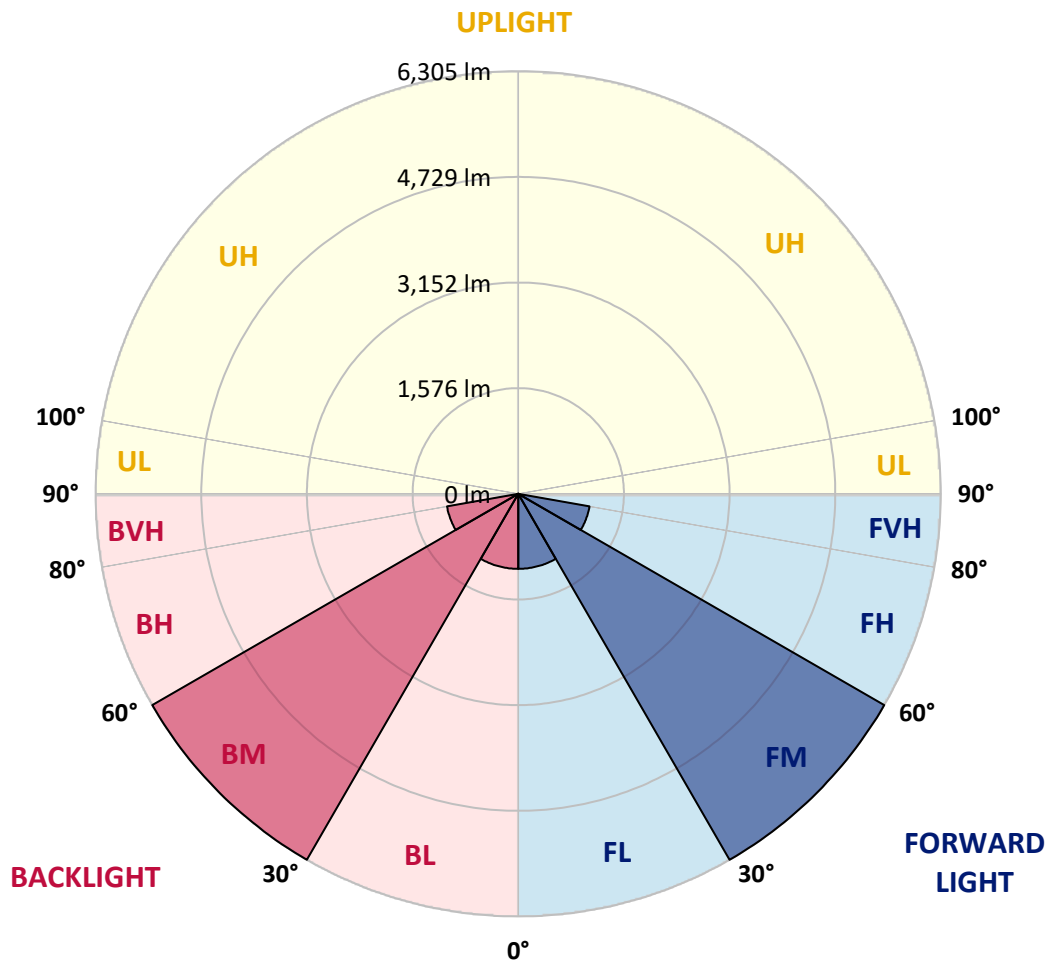
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 1119.6 | 6.6       |                         |      |         |
| FM (30°-60°)   | 6304.8 | 37.0      |                         |      |         |
| FH (60°-80°)   | 1078.9 | 6.3       |                         |      | G1/1800 |
| FVH (80°-90°)  | 10.3   | 0.1       |                         |      | G1/100  |
| BL (0°-30°)    | 1119.6 | 6.6       | B3/2500                 |      |         |
| BM (30°-60°)   | 6304.8 | 37.0      | B4/8500                 |      |         |
| BH (60°-80°)   | 1078.9 | 6.3       | B3/2500                 |      | G1/1800 |
| BVH (80°-90°)  | 10.3   | 0.1       |                         |      | 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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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2641.1 | 2641.1 | 2641.1 | 2641.1 | 2641.1 | 2641.1 | 2641.1 | 2641.1 | 2641.1 | 2641.1 | 2641.1 |
| 2.5°  | 2634.0 | 2648.2 | 2630.4 | 2623.4 | 2619.8 | 2619.8 | 2609.1 | 2609.1 | 2605.6 | 2609.1 | 2594.9 |
| 5°    | 2591.4 | 2605.6 | 2605.6 | 2602.1 | 2580.8 | 2577.2 | 2566.5 | 2559.5 | 2563.0 | 2548.8 | 2559.5 |
| 7.5°  | 2548.8 | 2559.5 | 2545.2 | 2541.7 | 2534.6 | 2520.4 | 2516.9 | 2484.9 | 2488.5 | 2488.5 | 2495.6 |
| 10°   | 2541.7 | 2538.2 | 2516.9 | 2499.1 | 2477.8 | 2474.3 | 2463.6 | 2456.5 | 2456.5 | 2452.9 | 2463.6 |
| 12.5° | 2541.7 | 2523.9 | 2520.4 | 2481.3 | 2445.9 | 2460.0 | 2431.6 | 2413.9 | 2438.7 | 2445.9 | 2460.0 |
| 15°   | 2538.2 | 2555.9 | 2495.6 | 2477.8 | 2452.9 | 2456.5 | 2431.6 | 2413.9 | 2428.1 | 2435.2 | 2445.9 |
| 17.5° | 2559.5 | 2548.8 | 2531.0 | 2495.6 | 2484.9 | 2470.7 | 2438.7 | 2424.6 | 2424.6 | 2442.3 | 2445.9 |
| 20°   | 2616.2 | 2587.8 | 2552.3 | 2534.6 | 2545.2 | 2527.5 | 2488.5 | 2435.2 | 2449.4 | 2463.6 | 2474.3 |
| 22.5° | 2669.5 | 2648.2 | 2623.4 | 2612.7 | 2673.0 | 2644.7 | 2577.2 | 2516.9 | 2495.6 | 2520.4 | 2538.2 |
| 25°   | 2772.4 | 2772.4 | 2726.2 | 2740.5 | 2807.9 | 2811.4 | 2733.4 | 2626.9 | 2612.7 | 2623.4 | 2630.4 |
| 27.5° | 2981.9 | 2992.5 | 2953.5 | 2967.6 | 2996.1 | 3020.9 | 2953.5 | 2864.8 | 2832.7 | 2829.2 | 2839.9 |
| 30°   | 3209.0 | 3230.3 | 3226.8 | 3287.2 | 3368.8 | 3383.0 | 3283.6 | 3138.0 | 3042.2 | 3024.5 | 3038.7 |
| 32.5° | 3507.2 | 3517.9 | 3510.8 | 3581.8 | 3801.9 | 3904.8 | 3645.7 | 3439.8 | 3312.0 | 3344.0 | 3312.0 |
| 35°   | 4068.2 | 4057.5 | 3979.4 | 3993.6 | 4174.6 | 4249.2 | 4000.7 | 3869.4 | 3809.0 | 3872.9 | 3858.7 |
| 37.5° | 4550.9 | 4511.9 | 4448.0 | 4540.2 | 4728.4 | 4795.9 | 4536.7 | 4306.0 | 4195.9 | 4302.4 | 4348.5 |
| 40°   | 4959.1 | 4859.8 | 4771.0 | 4863.3 | 5115.3 | 5207.7 | 4827.8 | 4639.7 | 4597.1 | 4675.1 | 4774.6 |
| 42.5° | 5303.5 | 5239.6 | 5122.5 | 5129.5 | 5296.4 | 5339.0 | 5033.7 | 4923.7 | 4881.1 | 5005.2 | 5055.0 |
| 45°   | 5548.4 | 5488.0 | 5378.0 | 5370.9 | 5498.7 | 5470.3 | 5197.0 | 5122.5 | 5147.3 | 5229.0 | 5253.8 |
| 47.5° | 5672.7 | 5704.6 | 5640.7 | 5658.4 | 5725.9 | 5658.4 | 5441.9 | 5441.9 | 5385.1 | 5434.8 | 5410.0 |
| 50°   | 6031.2 | 5931.8 | 6013.4 | 6013.4 | 6084.5 | 6091.5 | 5875.0 | 5796.9 | 5644.3 | 5559.1 | 5559.1 |
| 52.5° | 6450.0 | 6457.2 | 6489.1 | 6606.2 | 6727.0 | 6829.9 | 6521.1 | 6187.3 | 5931.8 | 5821.8 | 5807.5 |
| 55°   | 6794.4 | 6865.4 | 6993.2 | 7213.3 | 7561.2 | 7703.2 | 7170.7 | 6574.3 | 6262.0 | 6091.5 | 6056.0 |
| 56°   | 6982.6 | 6915.1 | 7135.2 | 7436.9 | 7891.3 | 8075.9 | 7277.2 | 6652.4 | 6308.1 | 6116.4 | 6112.8 |
| 57.5° | 6801.5 | 6876.1 | 7028.7 | 7504.4 | 8061.7 | 8303.1 | 7316.2 | 6616.9 | 6123.5 | 5928.2 | 5946.0 |
| 60°   | 5370.9 | 5441.9 | 5647.8 | 6180.3 | 7053.6 | 7241.7 | 6190.9 | 5456.1 | 5015.9 | 4735.5 | 4739.0 |
| 62.5° | 3038.7 | 3091.9 | 3251.6 | 3745.1 | 4288.2 | 4469.3 | 3858.7 | 3368.8 | 3063.5 | 2907.4 | 2857.6 |
| 65°   | 1118.2 | 1096.9 | 1121.7 | 1373.8 | 1707.5 | 1860.1 | 1604.5 | 1356.1 | 1196.3 | 1139.5 | 1118.2 |
| 67.5° | 418.9  | 387.0  | 362.1  | 387.0  | 486.3  | 514.7  | 472.1  | 394.0  | 369.2  | 379.8  | 387.0  |
| 70°   | 259.2  | 244.9  | 195.3  | 184.6  | 181.0  | 177.5  | 188.2  | 198.8  | 227.2  | 266.2  | 273.3  |
| 72.5° | 181.0  | 170.4  | 138.4  | 131.3  | 124.3  | 120.7  | 138.4  | 152.6  | 177.5  | 205.9  | 209.5  |
| 75°   | 71.0   | 74.5   | 71.0   | 78.1   | 81.7   | 85.2   | 99.4   | 110.0  | 120.7  | 120.7  | 117.1  |
| 77.5° | 14.2   | 14.2   | 21.3   | 28.4   | 35.5   | 46.1   | 67.4   | 78.1   | 81.7   | 78.1   | 67.4   |
| 80°   | 0.0    | 0.0    | 7.1    | 14.2   | 28.4   | 39.1   | 60.4   | 67.4   | 74.5   | 67.4   | 53.2   |
| 82.5° | 0.0    | 0.0    | 7.1    | 17.8   | 28.4   | 35.5   | 56.8   | 71.0   | 81.7   | 74.5   | 56.8   |
| 85°   | 0.0    | 0.0    | 7.1    | 14.2   | 21.3   | 24.8   | 24.8   | 17.8   | 17.8   | 10.6   | 7.1    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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)