

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: P531116

Luminaire Tested: **GLAN-SA6B-827-U-RW-GRSWH**

Issue Date: 5/27/2021

#### Test Information

Test Method: LM-79-08  
Report Number: P531116  
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-SA6B-827-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 2700K, 800mA 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: 21735 lumens  
Efficiency: N/A  
Efficacy: 89.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

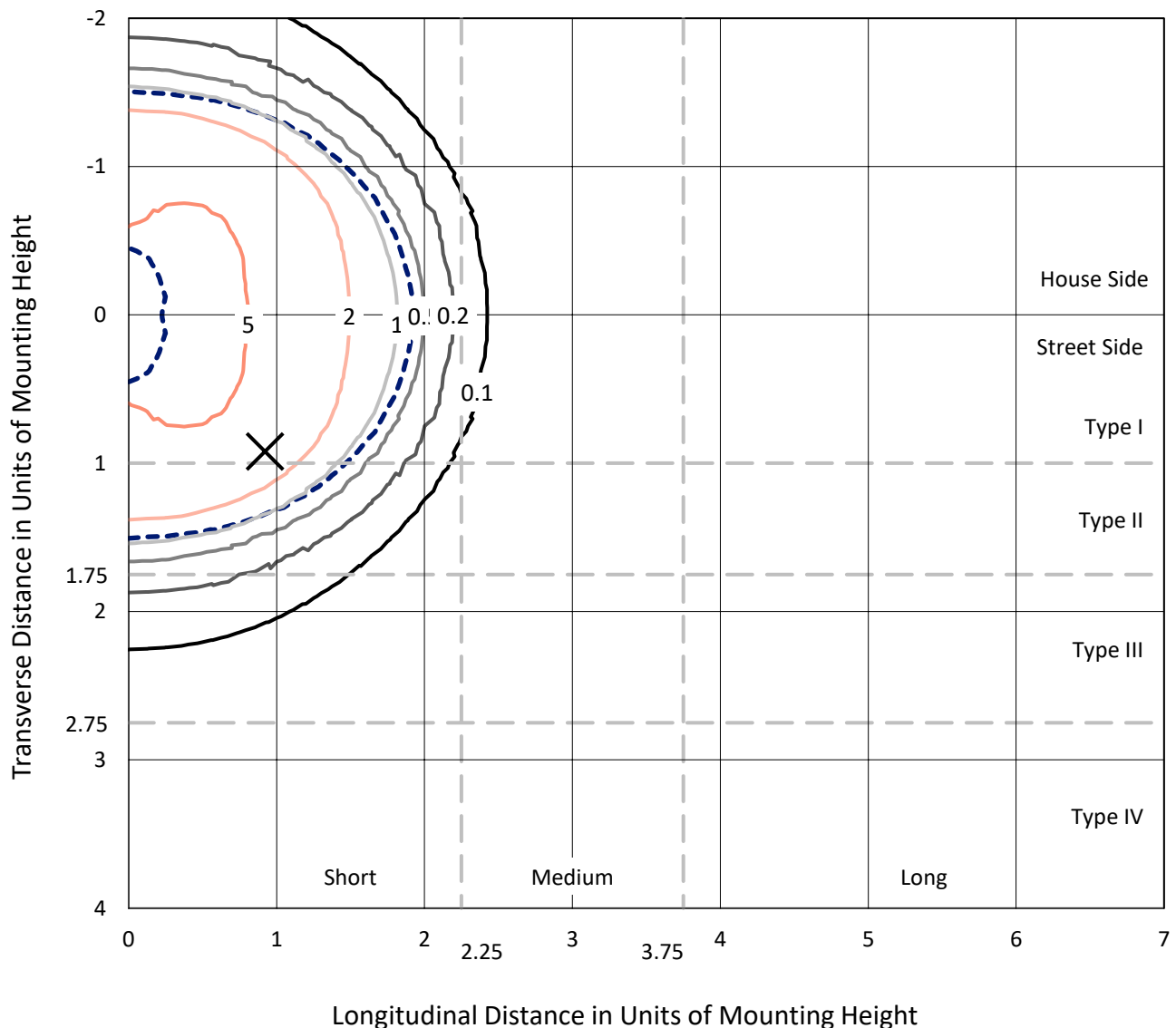
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

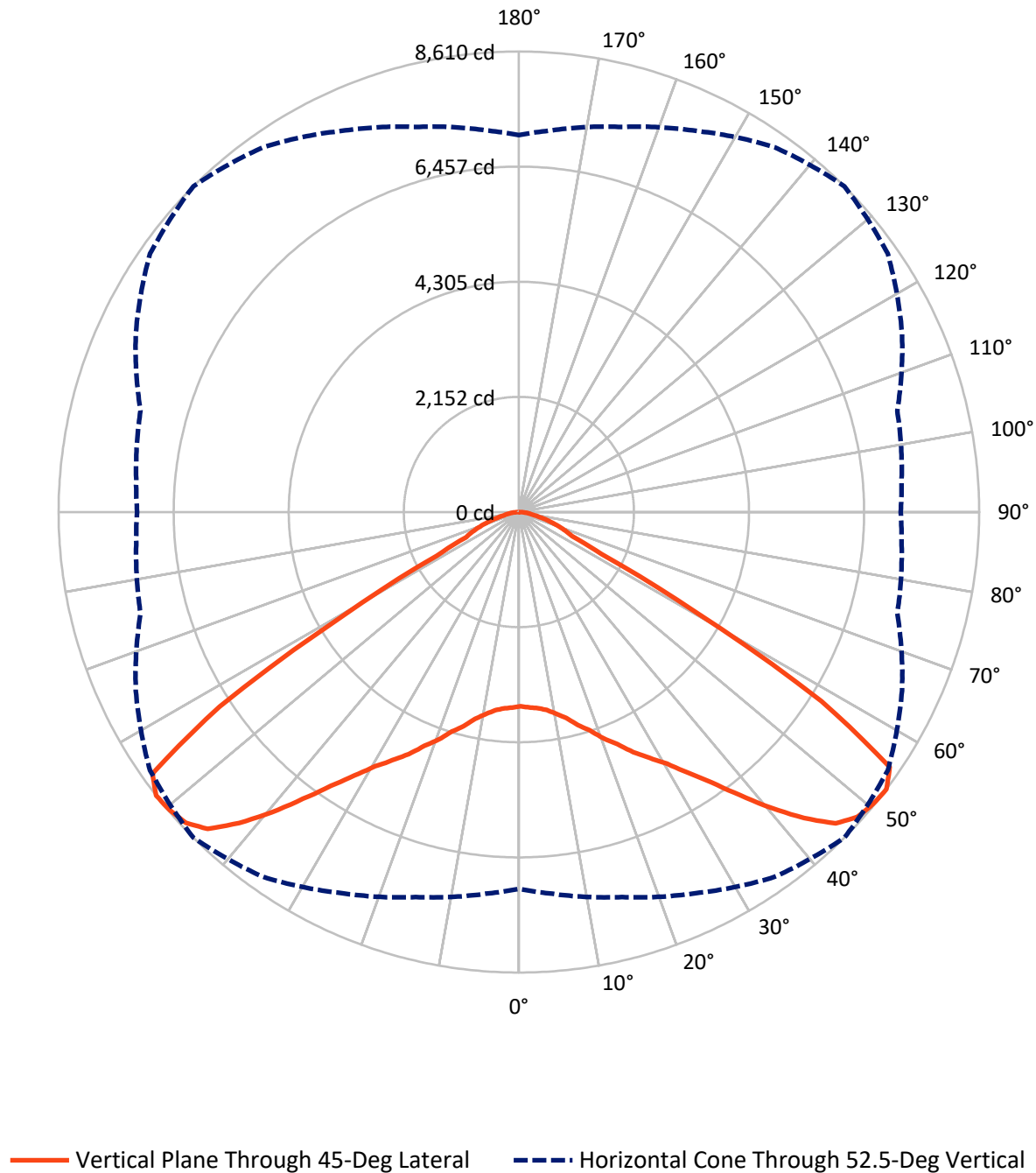
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc  
 Type V - Short - N/A

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## Luminous Intensity Polar Plot



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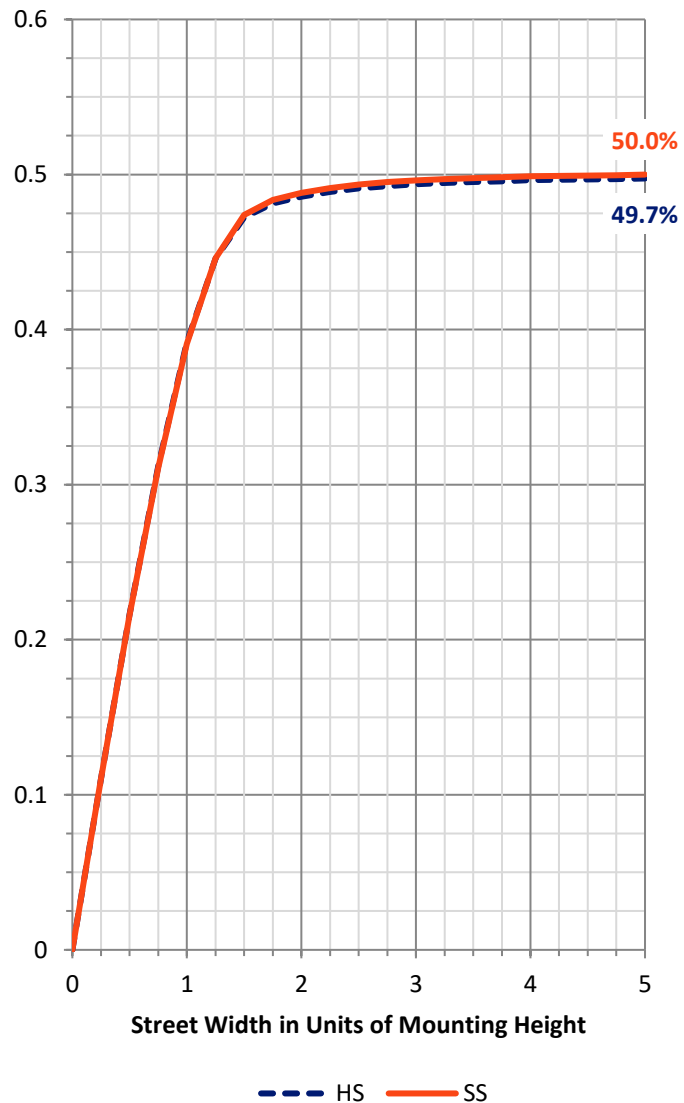
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 10867.5  | 0.0    | 10867.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 10867.5  | 0.0    | 10867.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 21735.0  | 0.0    | 21735.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 357.0   | 1.6       |
| 10°-20°   | 1172.9  | 5.4       |
| 20°-30°   | 2233.1  | 10.3      |
| 30°-40°   | 3834.4  | 17.6      |
| 40°-50°   | 5893.6  | 27.1      |
| 50°-60°   | 5984.9  | 27.5      |
| 60°-70°   | 1667.9  | 7.7       |
| 70°-80°   | 492.0   | 2.3       |
| 80°-90°   | 99.1    | 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°    | 21735.0 | 100.0     |
| 0°-180°   | 21735.0 | 100.0     |

**Coefficient of Utilization**



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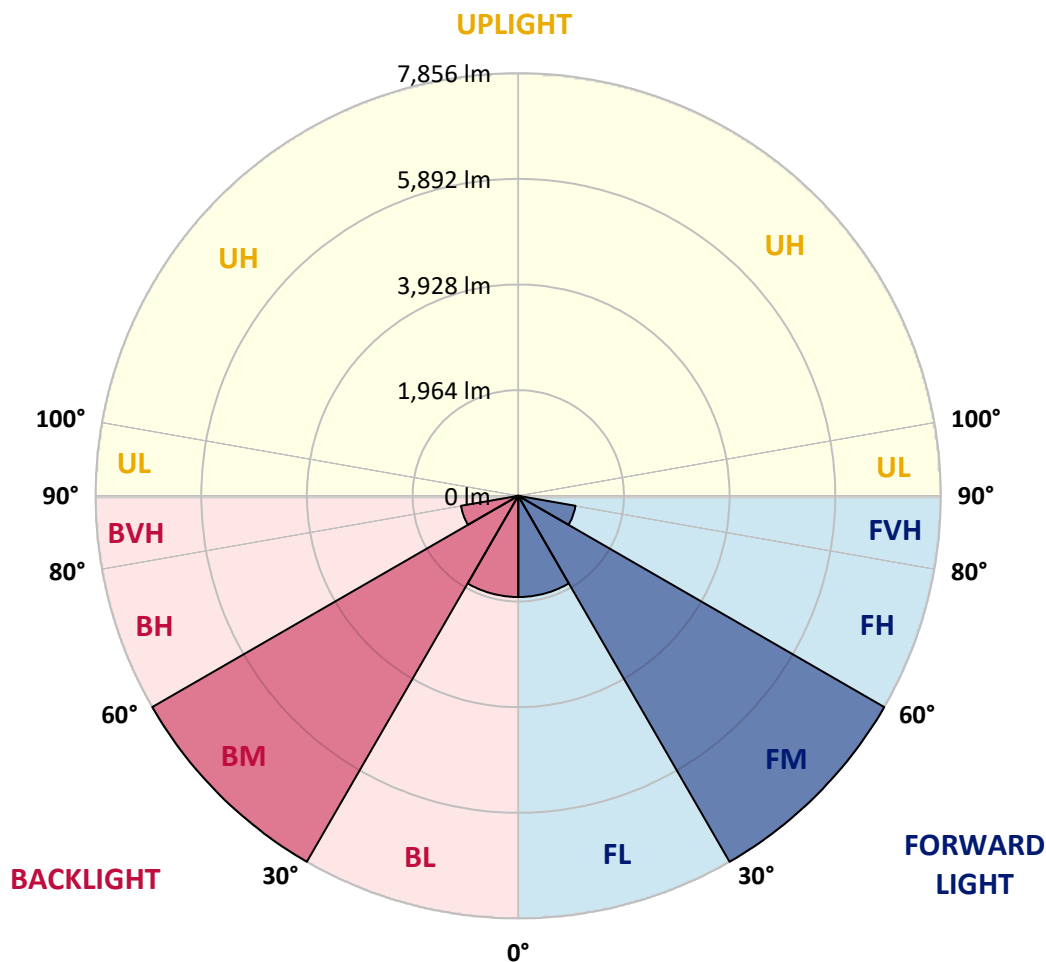
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1881.5 | 8.7       |                         |      |         |
| FM   | (30°-60°)   | 7856.5 | 36.1      |                         |      |         |
| FH   | (60°-80°)   | 1080.0 | 5.0       |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 49.6   | 0.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 1881.5 | 8.7       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 7856.5 | 36.1      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 1080.0 | 5.0       | B3/2500                 |      | G1/1800 |
| BVH  | (80°-90°)   | 49.6   | 0.2       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: 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°    | 3633.3 | 3633.3 | 3633.3 | 3633.3 | 3633.3 | 3633.3 | 3633.3 | 3633.3 | 3633.3 | 3633.3 | 3633.3 |
| 2.5°  | 3641.4 | 3603.6 | 3617.1 | 3625.2 | 3660.3 | 3657.6 | 3649.5 | 3660.3 | 3671.1 | 3673.8 | 3668.4 |
| 5°    | 3638.7 | 3611.7 | 3622.5 | 3630.6 | 3665.7 | 3684.5 | 3679.1 | 3725.0 | 3757.4 | 3749.3 | 3789.7 |
| 7.5°  | 3617.1 | 3633.3 | 3619.8 | 3660.3 | 3689.9 | 3735.8 | 3784.3 | 3827.5 | 3868.0 | 3913.8 | 3921.9 |
| 10°   | 3665.7 | 3665.7 | 3689.9 | 3722.3 | 3800.5 | 3835.6 | 3905.7 | 3967.8 | 4046.0 | 4099.9 | 4078.3 |
| 12.5° | 3716.9 | 3725.0 | 3725.0 | 3808.6 | 3873.4 | 3951.6 | 4016.3 | 4099.9 | 4210.5 | 4275.3 | 4307.6 |
| 15°   | 3768.2 | 3773.6 | 3800.5 | 3913.8 | 4010.9 | 4135.0 | 4194.3 | 4269.9 | 4331.9 | 4453.3 | 4456.0 |
| 17.5° | 3814.0 | 3843.7 | 3924.6 | 4051.4 | 4172.8 | 4291.4 | 4385.8 | 4464.1 | 4518.0 | 4566.6 | 4555.8 |
| 20°   | 3986.6 | 4008.2 | 4091.8 | 4218.6 | 4399.3 | 4515.3 | 4547.7 | 4561.2 | 4596.2 | 4693.3 | 4663.7 |
| 22.5° | 4153.9 | 4162.0 | 4240.2 | 4434.4 | 4561.2 | 4714.9 | 4750.0 | 4741.9 | 4755.4 | 4779.7 | 4822.8 |
| 25°   | 4326.5 | 4340.0 | 4447.9 | 4612.4 | 4790.4 | 4973.9 | 5003.5 | 4941.5 | 4922.6 | 4949.6 | 4952.3 |
| 27.5° | 4547.7 | 4550.4 | 4687.9 | 4830.9 | 5033.2 | 5205.8 | 5251.7 | 5203.1 | 5114.1 | 5135.7 | 5170.8 |
| 30°   | 4828.2 | 4809.3 | 4946.9 | 5151.9 | 5365.0 | 5462.1 | 5540.3 | 5516.0 | 5418.9 | 5400.0 | 5370.4 |
| 32.5° | 5151.9 | 5157.3 | 5281.4 | 5505.2 | 5645.5 | 5807.3 | 5890.9 | 5850.5 | 5788.5 | 5756.1 | 5775.0 |
| 35°   | 5607.7 | 5632.0 | 5715.6 | 5901.7 | 6128.3 | 6209.2 | 6341.4 | 6255.1 | 6093.2 | 6133.7 | 6168.8 |
| 37.5° | 5982.7 | 6052.8 | 6209.2 | 6430.4 | 6565.3 | 6713.6 | 6762.2 | 6646.2 | 6527.5 | 6479.0 | 6595.0 |
| 40°   | 6557.2 | 6535.6 | 6708.2 | 6929.4 | 7129.0 | 7277.4 | 7215.3 | 7099.3 | 6805.3 | 6808.0 | 6840.4 |
| 42.5° | 7050.8 | 7061.6 | 7193.8 | 7458.1 | 7730.5 | 7822.2 | 7625.3 | 7342.1 | 7015.7 | 6980.7 | 7050.8 |
| 45°   | 7466.2 | 7509.3 | 7584.9 | 7938.2 | 8205.3 | 8305.1 | 7940.9 | 7606.4 | 7169.5 | 7023.8 | 7139.8 |
| 47.5° | 7614.5 | 7684.7 | 7849.2 | 8172.9 | 8437.2 | 8518.1 | 8226.8 | 7746.7 | 7312.4 | 7075.1 | 7137.1 |
| 50°   | 7636.1 | 7611.8 | 7881.6 | 8178.3 | 8410.2 | 8585.6 | 8329.3 | 7849.2 | 7277.4 | 7153.3 | 7134.4 |
| 52.5° | 7045.4 | 7164.1 | 7452.7 | 7860.0 | 8329.3 | 8609.8 | 8421.0 | 7905.8 | 7325.9 | 7185.7 | 7139.8 |
| 55°   | 5702.1 | 5561.9 | 6087.9 | 6773.0 | 7636.1 | 8415.6 | 8388.7 | 7935.5 | 7355.6 | 7239.6 | 7177.6 |
| 57.5° | 3182.8 | 3223.3 | 3520.0 | 4264.5 | 5378.5 | 6673.2 | 7458.1 | 7622.6 | 7342.1 | 7274.7 | 7307.0 |
| 60°   | 1472.7 | 1486.2 | 1613.0 | 1961.0 | 2651.5 | 3784.3 | 4817.4 | 5866.7 | 6349.5 | 6446.6 | 6446.6 |
| 62.5° | 1097.8 | 1092.4 | 1124.8 | 1186.8 | 1332.5 | 1739.8 | 2322.4 | 3155.9 | 3819.4 | 4283.3 | 4404.7 |
| 65°   | 992.6  | 989.9  | 1006.1 | 1027.7 | 1038.5 | 1095.1 | 1224.6 | 1480.8 | 1696.6 | 1820.7 | 1799.1 |
| 67.5° | 868.5  | 865.8  | 871.2  | 884.7  | 903.6  | 933.3  | 965.6  | 1019.6 | 1095.1 | 1089.7 | 1076.2 |
| 70°   | 701.3  | 701.3  | 709.4  | 720.2  | 741.8  | 776.8  | 814.6  | 852.4  | 917.1  | 930.6  | 927.9  |
| 72.5° | 517.9  | 509.8  | 526.0  | 547.6  | 569.1  | 612.3  | 652.8  | 687.8  | 733.7  | 747.2  | 741.8  |
| 75°   | 329.1  | 334.5  | 345.3  | 369.5  | 407.3  | 437.0  | 480.1  | 509.8  | 539.5  | 550.3  | 553.0  |
| 77.5° | 183.4  | 188.8  | 207.7  | 237.4  | 275.1  | 307.5  | 345.3  | 369.5  | 388.4  | 391.1  | 393.8  |
| 80°   | 110.6  | 113.3  | 132.2  | 159.1  | 191.5  | 226.6  | 256.2  | 280.5  | 296.7  | 288.6  | 285.9  |
| 82.5° | 67.4   | 70.1   | 86.3   | 110.6  | 137.6  | 164.5  | 196.9  | 218.5  | 234.7  | 223.9  | 213.1  |
| 85°   | 35.1   | 37.8   | 51.2   | 67.4   | 89.0   | 102.5  | 102.5  | 91.7   | 89.0   | 83.6   | 80.9   |
| 87.5° | 10.8   | 10.8   | 13.5   | 16.2   | 13.5   | 16.2   | 18.9   | 21.6   | 21.6   | 24.3   | 21.6   |
| 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)