

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: P531111

Luminaire Tested: **GLAN-SA6B-827-U-5WQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531111  
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-SA6B-827-U-5WQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 2700K, 800mA 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: 12939 lumens  
Efficiency: N/A  
Efficacy: 53.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

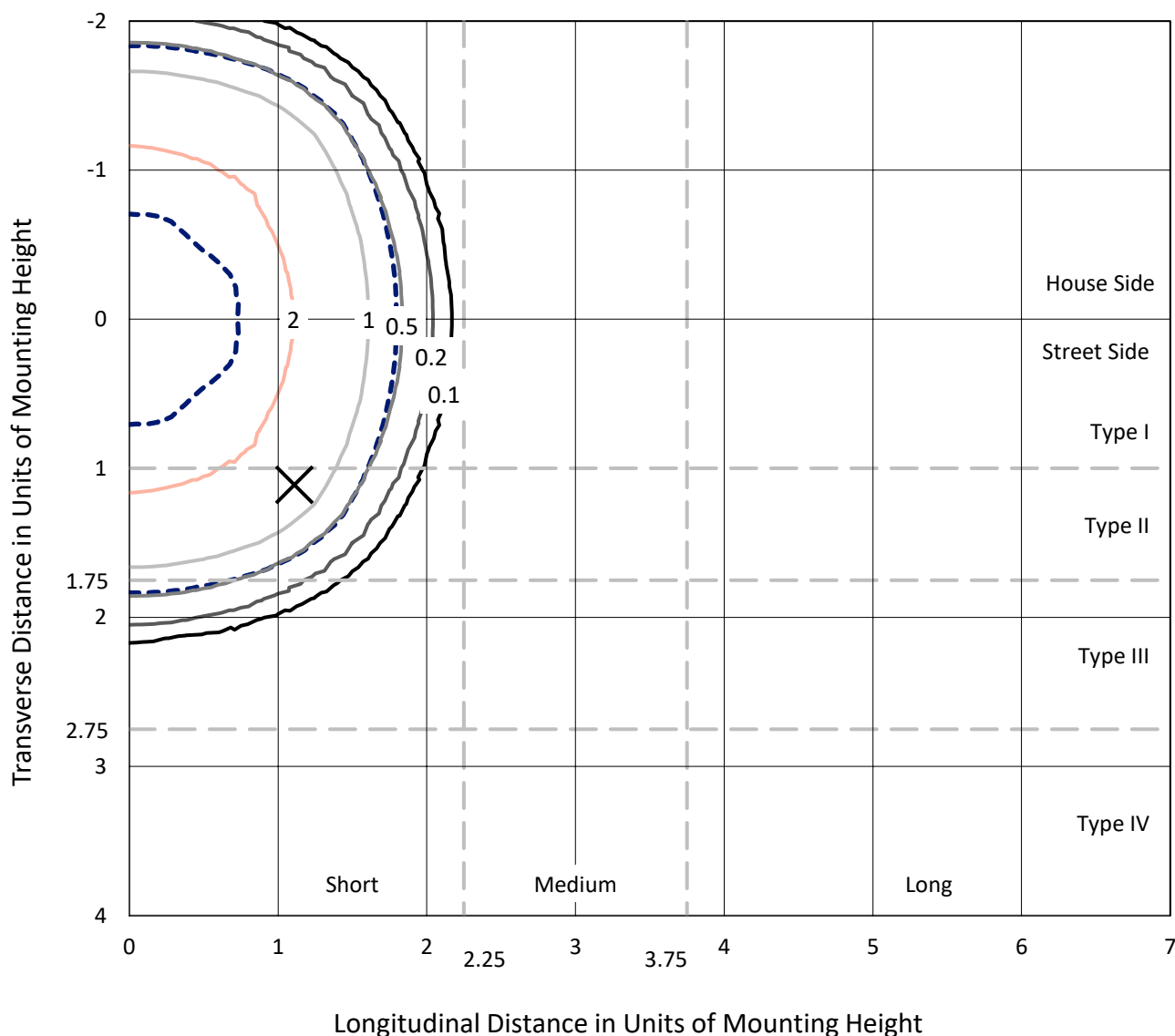
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

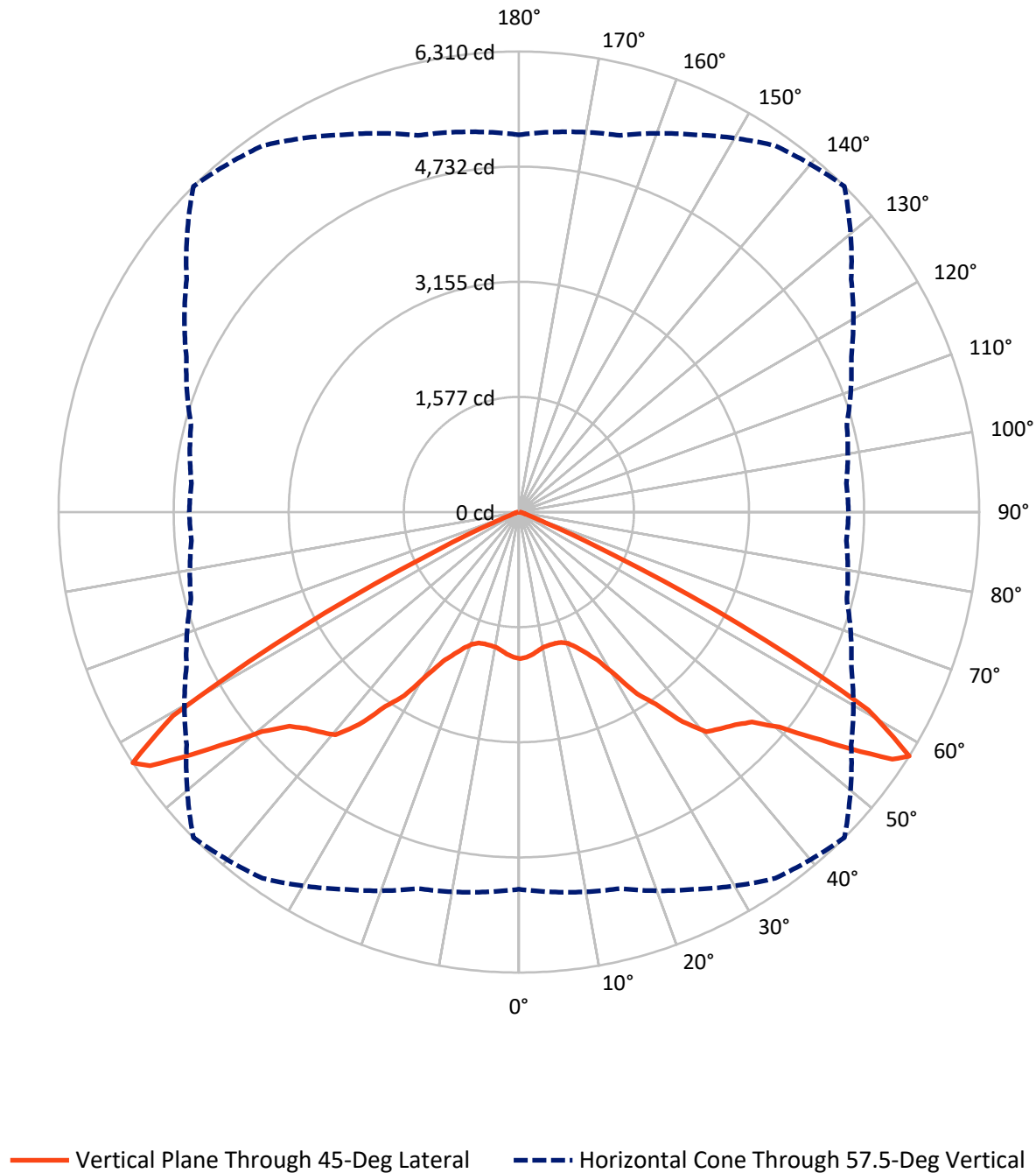
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc  
 Type V - Short - N/A

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## Luminous Intensity Polar Plot



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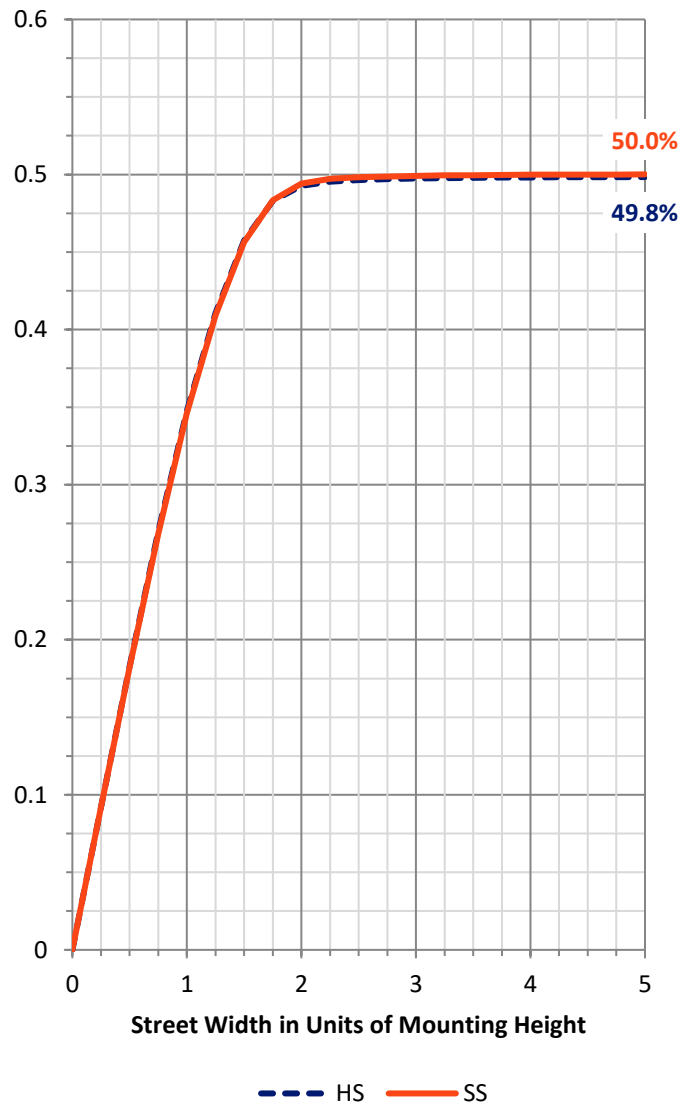
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 6469.5   | 0.0    | 6469.5  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 6469.5   | 0.0    | 6469.5  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 12939.0  | 0.0    | 12939.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 184.4   | 1.4       |
| 10°-20°   | 533.1   | 4.1       |
| 20°-30°   | 984.0   | 7.6       |
| 30°-40°   | 1935.2  | 15.0      |
| 40°-50°   | 3151.9  | 24.4      |
| 50°-60°   | 4495.0  | 34.7      |
| 60°-70°   | 1556.3  | 12.0      |
| 70°-80°   | 83.5    | 0.6       |
| 80°-90°   | 15.7    | 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°    | 12939.0 | 100.0     |
| 0°-180°   | 12939.0 | 100.0     |

**Coefficient of Utilization**



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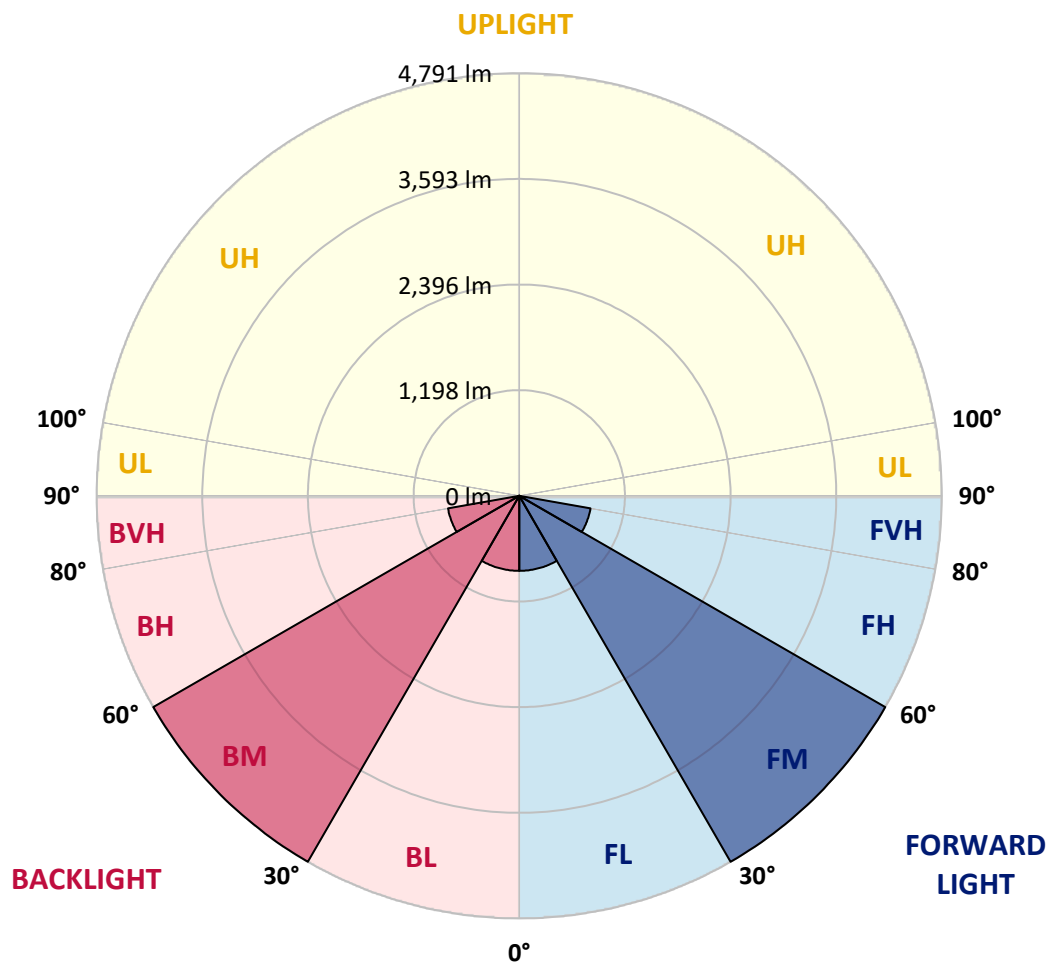
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 850.8  | 6.6       |                         |      |         |
| FM   | (30°-60°)   | 4791.0 | 37.0      |                         |      |         |
| FH   | (60°-80°)   | 819.9  | 6.3       |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 7.8    | 0.1       |                         |      | G0/10   |
| BL   | (0°-30°)    | 850.8  | 6.6       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 4791.0 | 37.0      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 819.9  | 6.3       | B2/1000                 |      | G1/1800 |
| BVH  | (80°-90°)   | 7.8    | 0.1       |                         |      | G0/10   |
| 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°    | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 | 2007.0 |
| 2.5°  | 2001.6 | 2012.4 | 1998.9 | 1993.5 | 1990.8 | 1990.8 | 1982.7 | 1982.7 | 1980.0 | 1982.7 | 1971.9 |
| 5°    | 1969.2 | 1980.0 | 1980.0 | 1977.3 | 1961.1 | 1958.4 | 1950.3 | 1944.9 | 1947.6 | 1936.8 | 1944.9 |
| 7.5°  | 1936.8 | 1944.9 | 1934.1 | 1931.4 | 1926.0 | 1915.3 | 1912.6 | 1888.3 | 1891.0 | 1891.0 | 1896.4 |
| 10°   | 1931.4 | 1928.7 | 1912.6 | 1899.1 | 1882.9 | 1880.2 | 1872.1 | 1866.7 | 1866.7 | 1864.0 | 1872.1 |
| 12.5° | 1931.4 | 1918.0 | 1915.3 | 1885.6 | 1858.6 | 1869.4 | 1847.8 | 1834.3 | 1853.2 | 1858.6 | 1869.4 |
| 15°   | 1928.7 | 1942.2 | 1896.4 | 1882.9 | 1864.0 | 1866.7 | 1847.8 | 1834.3 | 1845.1 | 1850.5 | 1858.6 |
| 17.5° | 1944.9 | 1936.8 | 1923.4 | 1896.4 | 1888.3 | 1877.5 | 1853.2 | 1842.4 | 1842.4 | 1855.9 | 1858.6 |
| 20°   | 1988.1 | 1966.5 | 1939.5 | 1926.0 | 1934.1 | 1920.7 | 1891.0 | 1850.5 | 1861.3 | 1872.1 | 1880.2 |
| 22.5° | 2028.6 | 2012.4 | 1993.5 | 1985.4 | 2031.3 | 2009.7 | 1958.4 | 1912.6 | 1896.4 | 1915.3 | 1928.7 |
| 25°   | 2106.8 | 2106.8 | 2071.7 | 2082.5 | 2133.8 | 2136.5 | 2077.1 | 1996.2 | 1985.4 | 1993.5 | 1998.9 |
| 27.5° | 2265.9 | 2274.0 | 2244.4 | 2255.1 | 2276.7 | 2295.6 | 2244.4 | 2176.9 | 2152.6 | 2149.9 | 2158.0 |
| 30°   | 2438.6 | 2454.8 | 2452.1 | 2497.9 | 2560.0 | 2570.8 | 2495.2 | 2384.6 | 2311.8 | 2298.3 | 2309.1 |
| 32.5° | 2665.2 | 2673.3 | 2667.9 | 2721.8 | 2889.1 | 2967.3 | 2770.4 | 2613.9 | 2516.8 | 2541.1 | 2516.8 |
| 35°   | 3091.4 | 3083.3 | 3023.9 | 3034.7 | 3172.3 | 3229.0 | 3040.1 | 2940.3 | 2894.5 | 2943.0 | 2932.2 |
| 37.5° | 3458.3 | 3428.6 | 3380.0 | 3450.2 | 3593.1 | 3644.4 | 3447.5 | 3272.1 | 3188.5 | 3269.4 | 3304.5 |
| 40°   | 3768.5 | 3692.9 | 3625.5 | 3695.6 | 3887.2 | 3957.3 | 3668.7 | 3525.7 | 3493.3 | 3552.7 | 3628.2 |
| 42.5° | 4030.1 | 3981.6 | 3892.6 | 3898.0 | 4024.7 | 4057.1 | 3825.1 | 3741.5 | 3709.1 | 3803.5 | 3841.3 |
| 45°   | 4216.3 | 4170.4 | 4086.8 | 4081.4 | 4178.5 | 4156.9 | 3949.2 | 3892.6 | 3911.4 | 3973.5 | 3992.4 |
| 47.5° | 4310.7 | 4335.0 | 4286.4 | 4299.9 | 4351.1 | 4299.9 | 4135.3 | 4135.3 | 4092.2 | 4129.9 | 4111.1 |
| 50°   | 4583.1 | 4507.6 | 4569.6 | 4569.6 | 4623.6 | 4629.0 | 4464.4 | 4405.1 | 4289.1 | 4224.4 | 4224.4 |
| 52.5° | 4901.4 | 4906.8 | 4931.1 | 5020.1 | 5111.9 | 5190.1 | 4955.4 | 4701.8 | 4507.6 | 4424.0 | 4413.2 |
| 55°   | 5163.1 | 5217.1 | 5314.2 | 5481.4 | 5745.8 | 5853.7 | 5449.0 | 4995.9 | 4758.5 | 4629.0 | 4602.0 |
| 56°   | 5306.1 | 5254.8 | 5422.1 | 5651.4 | 5996.6 | 6136.9 | 5530.0 | 5055.2 | 4793.5 | 4647.9 | 4645.2 |
| 57.5° | 5168.5 | 5225.1 | 5341.1 | 5702.6 | 6126.1 | 6309.6 | 5559.6 | 5028.2 | 4653.3 | 4504.9 | 4518.4 |
| 60°   | 4081.4 | 4135.3 | 4291.8 | 4696.4 | 5360.0 | 5503.0 | 4704.5 | 4146.1 | 3811.6 | 3598.5 | 3601.2 |
| 62.5° | 2309.1 | 2349.6 | 2471.0 | 2845.9 | 3258.6 | 3396.2 | 2932.2 | 2560.0 | 2328.0 | 2209.3 | 2171.5 |
| 65°   | 849.7  | 833.5  | 852.4  | 1044.0 | 1297.5 | 1413.5 | 1219.3 | 1030.5 | 909.1  | 865.9  | 849.7  |
| 67.5° | 318.3  | 294.0  | 275.1  | 294.0  | 369.6  | 391.1  | 358.8  | 299.4  | 280.5  | 288.6  | 294.0  |
| 70°   | 196.9  | 186.1  | 148.4  | 140.3  | 137.6  | 134.9  | 143.0  | 151.1  | 172.6  | 202.3  | 207.7  |
| 72.5° | 137.6  | 129.5  | 105.2  | 99.8   | 94.4   | 91.7   | 105.2  | 116.0  | 134.9  | 156.5  | 159.2  |
| 75°   | 54.0   | 56.6   | 54.0   | 59.3   | 62.0   | 64.7   | 75.5   | 83.6   | 91.7   | 91.7   | 89.0   |
| 77.5° | 10.8   | 10.8   | 16.2   | 21.6   | 27.0   | 35.1   | 51.3   | 59.3   | 62.0   | 59.3   | 51.3   |
| 80°   | 0.0    | 0.0    | 5.4    | 10.8   | 21.6   | 29.7   | 45.9   | 51.3   | 56.6   | 51.3   | 40.5   |
| 82.5° | 0.0    | 0.0    | 5.4    | 13.5   | 21.6   | 27.0   | 43.2   | 54.0   | 62.0   | 56.6   | 43.2   |
| 85°   | 0.0    | 0.0    | 5.4    | 10.8   | 16.2   | 18.9   | 18.9   | 13.5   | 13.5   | 8.1    | 5.4    |
| 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)