

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: P528411

Luminaire Tested: **GLAN-SA3C-730-U-RW-GRSBK**

Issue Date: 5/27/2021

### Test Information

Test Method: LM-79-08  
Report Number: P528411  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA3C-730-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 12352 lumens  
Efficiency: N/A  
Efficacy: 77.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

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

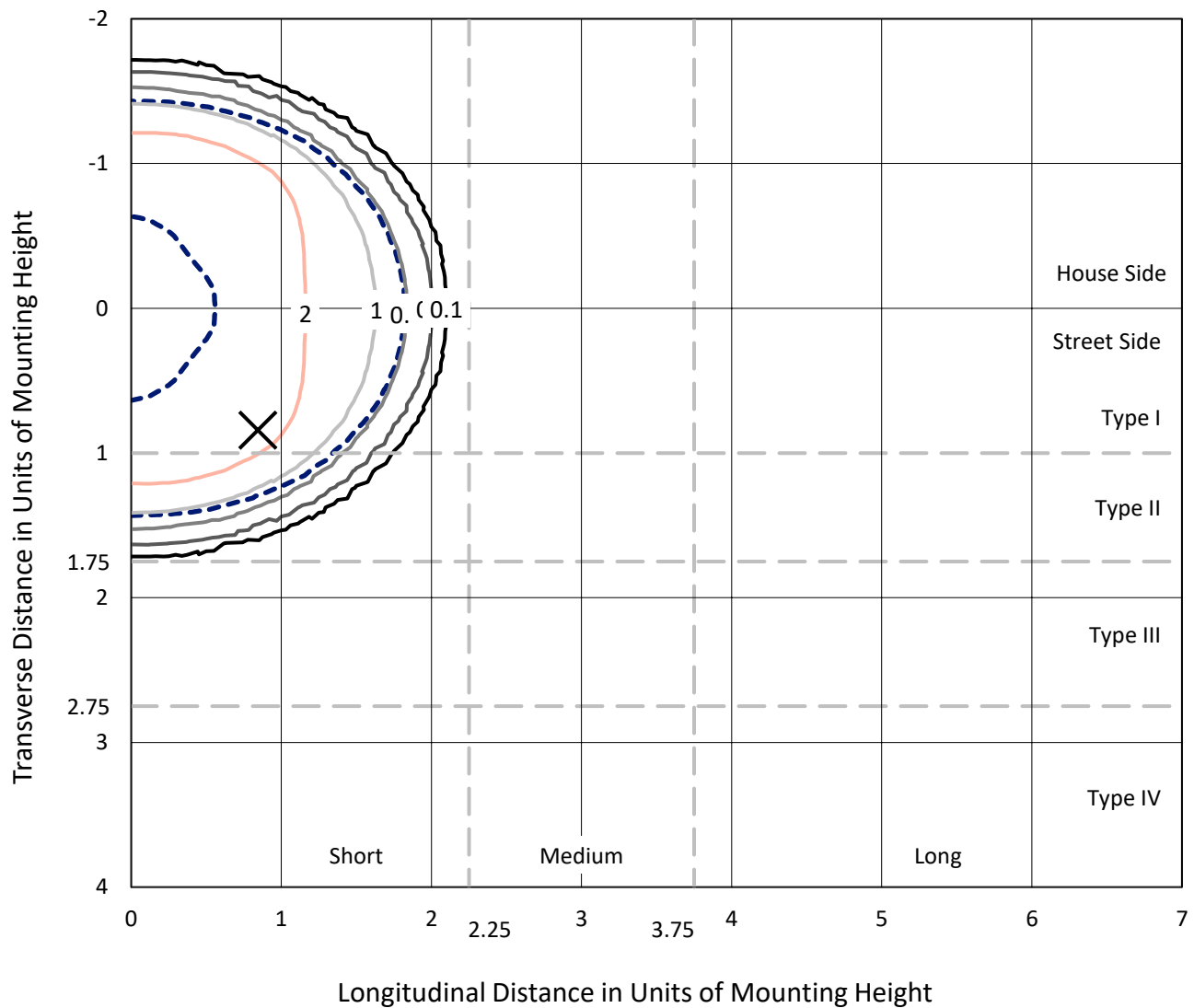


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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 --- 1/2 Max cd

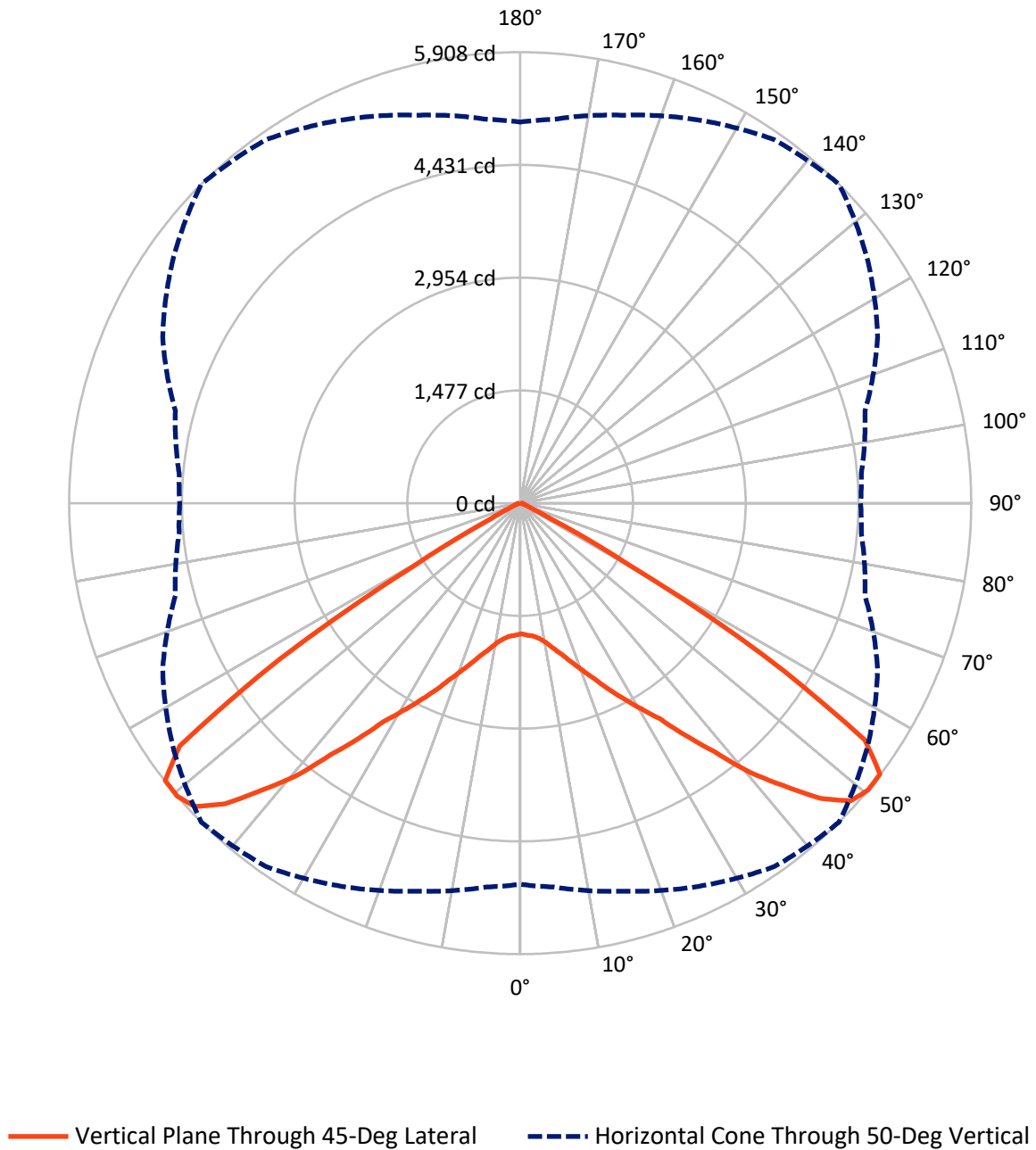


Based on 25 foot mounting height. Maximum calculated value = 3.3 fc  
 Type V - Short - N/A

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## Luminous Intensity Polar Plot



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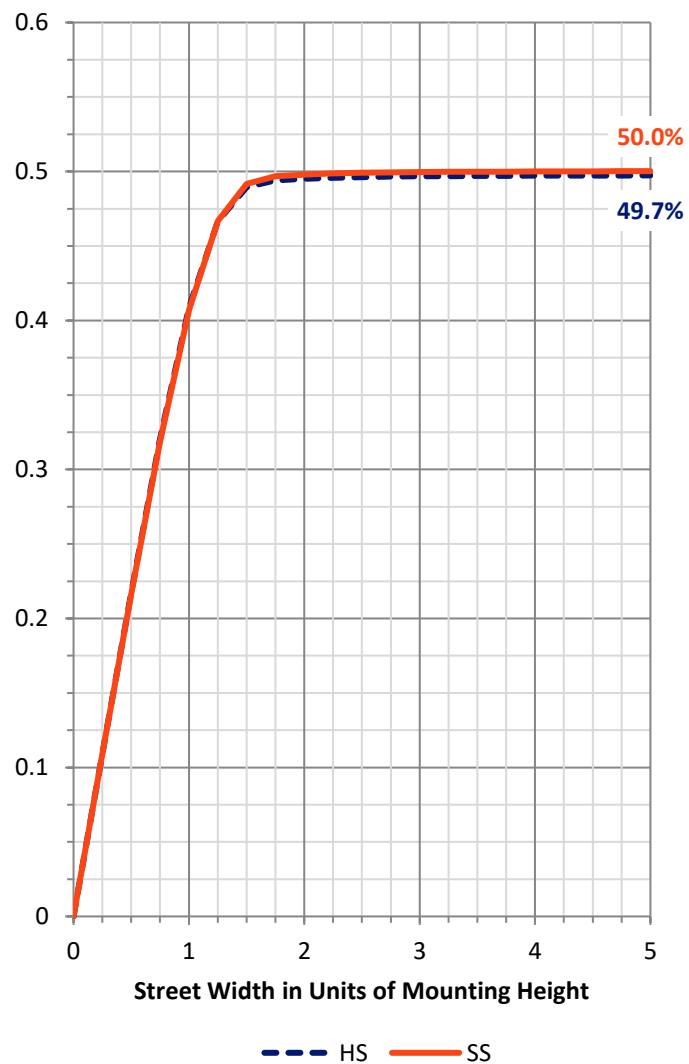
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 6176.0   | 0.0    | 6176.0  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 6176.0   | 0.0    | 6176.0  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 12352.0  | 0.0    | 12352.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 170.4   | 1.4       |
| 10°-20°   | 587.2   | 4.8       |
| 20°-30°   | 1199.2  | 9.7       |
| 30°-40°   | 2286.9  | 18.5      |
| 40°-50°   | 3853.9  | 31.2      |
| 50°-60°   | 3675.3  | 29.8      |
| 60°-70°   | 513.1   | 4.2       |
| 70°-80°   | 49.1    | 0.4       |
| 80°-90°   | 16.9    | 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°    | 12352.0 | 100.0     |
| 0°-180°   | 12352.0 | 100.0     |

**Coefficient of Utilization**



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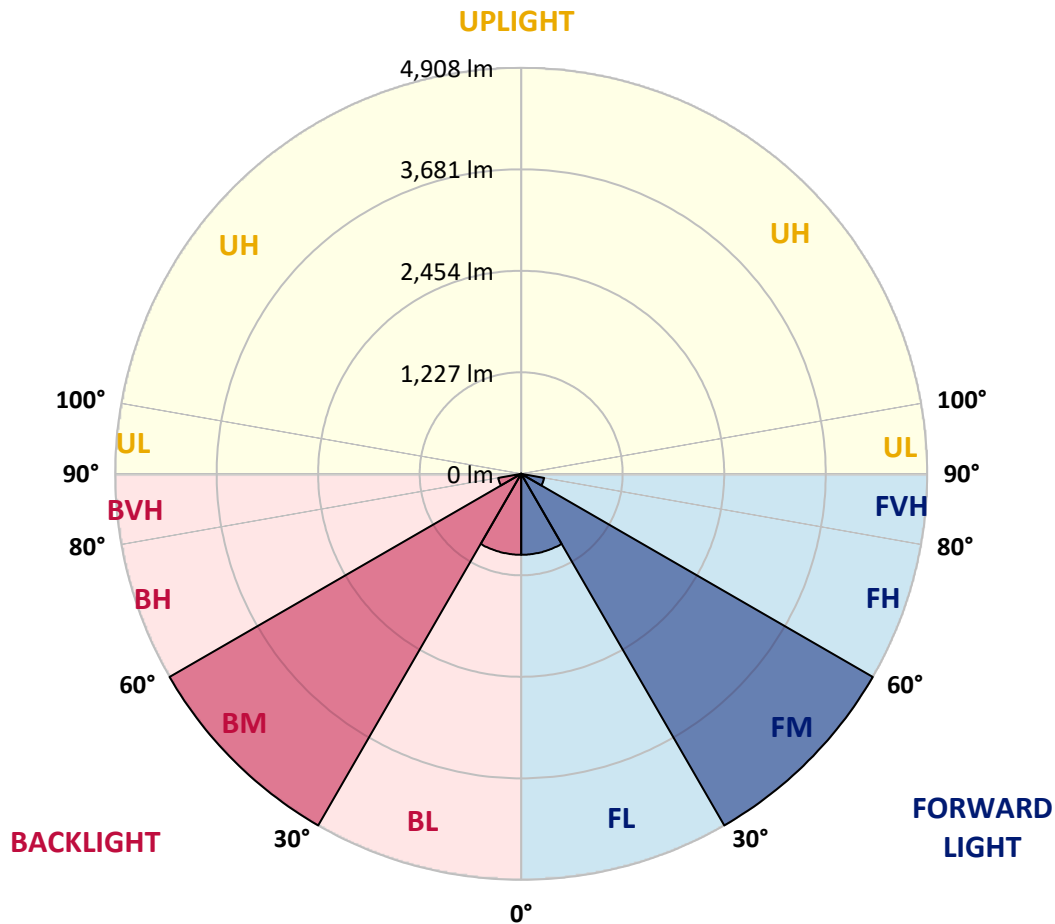
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 978.4  | 7.9       |                         |      |        |
| FM   | (30°-60°)   | 4908.1 | 39.7      |                         |      |        |
| FH   | (60°-80°)   | 281.1  | 2.3       |                         |      | G0/660 |
| FVH  | (80°-90°)   | 8.5    | 0.1       |                         |      | G0/10  |
| BL   | (0°-30°)    | 978.4  | 7.9       | B2/1000                 |      |        |
| BM   | (30°-60°)   | 4908.1 | 39.7      | B3/5000                 |      |        |
| BH   | (60°-80°)   | 281.1  | 2.3       | B1/500                  |      | G0/660 |
| BVH  | (80°-90°)   | 8.5    | 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-G0**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1712.5 | 1712.5 | 1712.5 | 1712.5 | 1712.5 | 1712.5 | 1712.5 | 1712.5 | 1712.5 | 1712.5 | 1712.5 |
| 2.5°  | 1706.2 | 1706.2 | 1704.2 | 1720.8 | 1712.5 | 1731.2 | 1729.1 | 1735.3 | 1741.6 | 1739.5 | 1756.1 |
| 5°    | 1691.7 | 1689.6 | 1689.6 | 1708.3 | 1727.0 | 1747.8 | 1766.5 | 1779.0 | 1799.8 | 1799.8 | 1820.5 |
| 7.5°  | 1706.2 | 1695.8 | 1710.4 | 1718.7 | 1754.0 | 1789.4 | 1820.5 | 1845.5 | 1893.3 | 1909.9 | 1903.7 |
| 10°   | 1710.4 | 1722.9 | 1733.3 | 1758.2 | 1801.8 | 1855.9 | 1882.9 | 1945.2 | 1999.3 | 2036.7 | 2045.0 |
| 12.5° | 1737.4 | 1756.1 | 1785.2 | 1845.5 | 1885.0 | 1955.6 | 1993.0 | 2053.3 | 2128.1 | 2169.7 | 2198.8 |
| 15°   | 1789.4 | 1795.6 | 1833.0 | 1909.9 | 1995.1 | 2059.5 | 2117.7 | 2161.4 | 2234.1 | 2281.9 | 2284.0 |
| 17.5° | 1855.9 | 1882.9 | 1934.8 | 2007.6 | 2096.9 | 2192.5 | 2238.3 | 2286.1 | 2313.1 | 2377.5 | 2392.1 |
| 20°   | 1988.9 | 1993.0 | 2042.9 | 2138.5 | 2250.7 | 2338.0 | 2371.3 | 2396.2 | 2385.8 | 2452.3 | 2464.8 |
| 22.5° | 2113.6 | 2117.7 | 2180.1 | 2308.9 | 2429.5 | 2504.3 | 2518.8 | 2504.3 | 2473.1 | 2520.9 | 2525.1 |
| 25°   | 2240.3 | 2277.7 | 2323.5 | 2452.3 | 2602.0 | 2701.7 | 2703.8 | 2664.3 | 2599.9 | 2608.2 | 2629.0 |
| 27.5° | 2437.8 | 2464.8 | 2512.6 | 2631.1 | 2795.2 | 2907.5 | 2888.8 | 2841.0 | 2757.8 | 2764.1 | 2757.8 |
| 30°   | 2668.5 | 2693.4 | 2732.9 | 2884.6 | 3005.1 | 3127.7 | 3154.8 | 3109.0 | 2984.4 | 2957.3 | 2988.5 |
| 32.5° | 2946.9 | 2982.3 | 3055.0 | 3194.3 | 3296.1 | 3370.9 | 3389.6 | 3373.0 | 3256.6 | 3246.2 | 3267.0 |
| 35°   | 3285.7 | 3333.5 | 3400.0 | 3522.6 | 3605.7 | 3740.8 | 3740.8 | 3684.7 | 3578.7 | 3591.2 | 3589.1 |
| 37.5° | 3643.2 | 3713.8 | 3817.7 | 3942.4 | 4054.6 | 4127.4 | 4104.5 | 4056.7 | 3950.7 | 3923.7 | 3950.7 |
| 40°   | 4092.1 | 4127.4 | 4258.3 | 4420.4 | 4557.6 | 4640.7 | 4543.0 | 4439.1 | 4185.6 | 4225.1 | 4297.8 |
| 42.5° | 4501.5 | 4557.6 | 4657.3 | 4836.1 | 4991.9 | 5060.5 | 4944.1 | 4738.4 | 4432.9 | 4401.7 | 4455.7 |
| 45°   | 4850.6 | 4910.9 | 5041.8 | 5297.4 | 5461.6 | 5521.9 | 5264.2 | 4931.7 | 4582.5 | 4503.5 | 4526.4 |
| 47.5° | 5083.4 | 5114.5 | 5297.4 | 5540.6 | 5690.2 | 5827.4 | 5457.5 | 5064.7 | 4653.2 | 4503.5 | 4495.2 |
| 50°   | 4994.0 | 5048.0 | 5262.1 | 5538.5 | 5810.8 | 5908.4 | 5555.1 | 5166.5 | 4676.0 | 4484.8 | 4459.9 |
| 52.5° | 4435.0 | 4528.5 | 4767.5 | 5139.5 | 5551.0 | 5900.1 | 5690.2 | 5133.3 | 4667.7 | 4503.5 | 4541.0 |
| 55°   | 3086.2 | 3088.3 | 3379.2 | 3927.9 | 4655.3 | 5478.2 | 5492.8 | 5170.7 | 4721.8 | 4619.9 | 4622.0 |
| 57.5° | 1240.7 | 1303.1 | 1525.4 | 2076.2 | 2747.4 | 3761.6 | 4472.4 | 4796.6 | 4728.0 | 4703.1 | 4767.5 |
| 60°   | 313.8  | 315.9  | 384.5  | 586.1  | 966.4  | 1612.7 | 2342.2 | 3169.3 | 3649.4 | 3813.6 | 3836.4 |
| 62.5° | 160.0  | 162.1  | 178.7  | 207.8  | 263.9  | 432.3  | 768.9  | 1219.9 | 1735.3 | 1997.2 | 2065.8 |
| 65°   | 130.9  | 130.9  | 141.3  | 155.9  | 157.9  | 166.3  | 199.5  | 284.7  | 413.6  | 469.7  | 475.9  |
| 67.5° | 99.8   | 99.8   | 108.1  | 116.4  | 120.5  | 118.5  | 114.3  | 118.5  | 143.4  | 137.2  | 133.0  |
| 70°   | 62.3   | 64.4   | 68.6   | 76.9   | 81.1   | 83.1   | 85.2   | 89.4   | 101.8  | 106.0  | 101.8  |
| 72.5° | 37.4   | 37.4   | 39.5   | 45.7   | 52.0   | 56.1   | 62.3   | 66.5   | 72.7   | 83.1   | 81.1   |
| 75°   | 16.6   | 16.6   | 20.8   | 27.0   | 33.3   | 39.5   | 45.7   | 52.0   | 56.1   | 62.3   | 64.4   |
| 77.5° | 4.2    | 6.2    | 10.4   | 18.7   | 24.9   | 33.3   | 41.6   | 47.8   | 52.0   | 52.0   | 49.9   |
| 80°   | 2.1    | 2.1    | 8.3    | 14.5   | 27.0   | 35.3   | 45.7   | 49.9   | 56.1   | 52.0   | 45.7   |
| 82.5° | 2.1    | 2.1    | 8.3    | 14.5   | 24.9   | 35.3   | 47.8   | 54.0   | 58.2   | 52.0   | 43.6   |
| 85°   | 0.0    | 2.1    | 6.2    | 12.5   | 20.8   | 24.9   | 20.8   | 14.5   | 8.3    | 8.3    | 6.2    |
| 87.5° | 0.0    | 0.0    | 2.1    | 2.1    | 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)