

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: P529113

Luminaire Tested: **GLAN-SA4B-730-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P529113  
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-SA4B-730-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 3000K, 800mA 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: 13248 lumens  
Efficiency: N/A  
Efficacy: 80.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

Input Watts (W): 164  
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

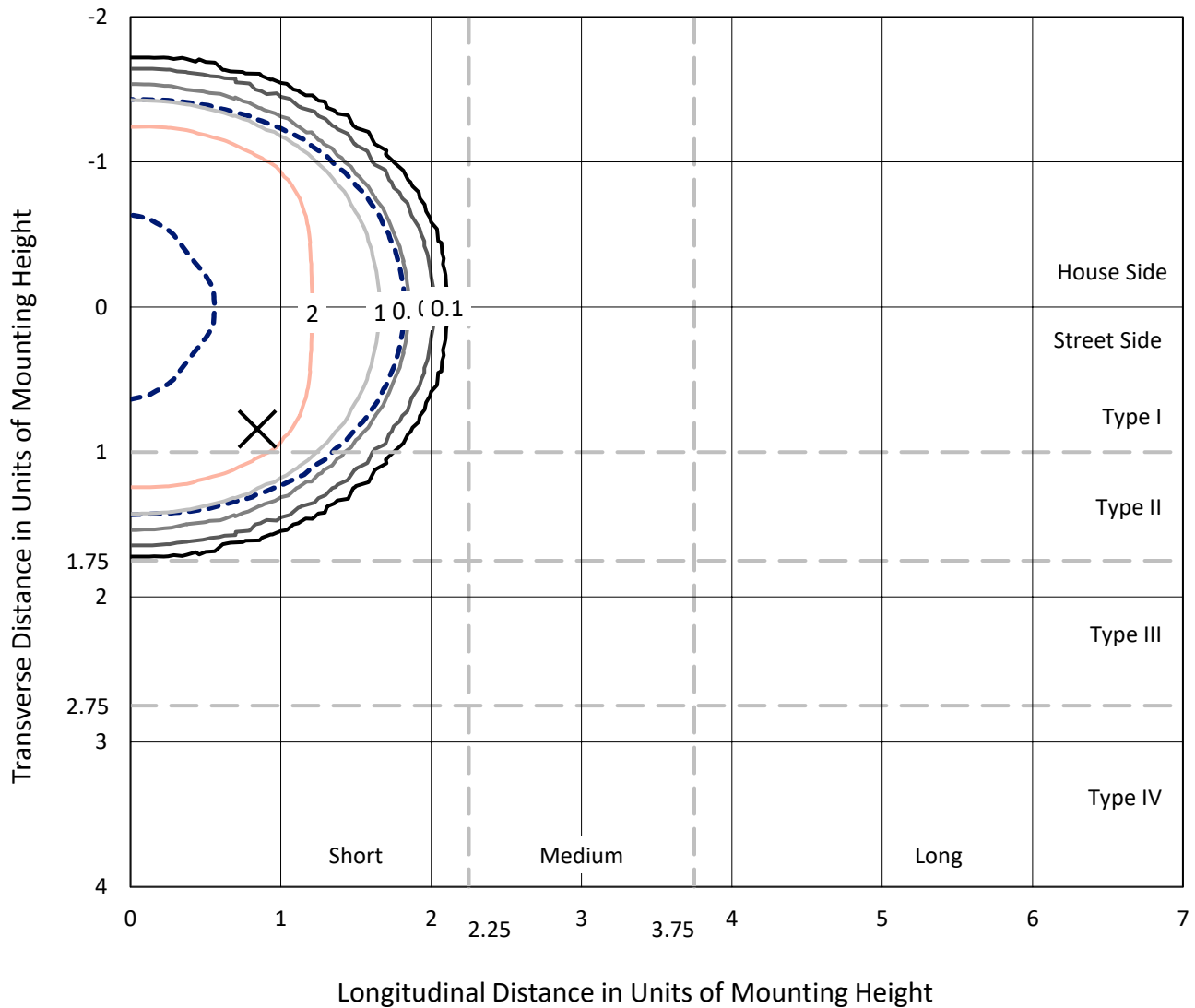


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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

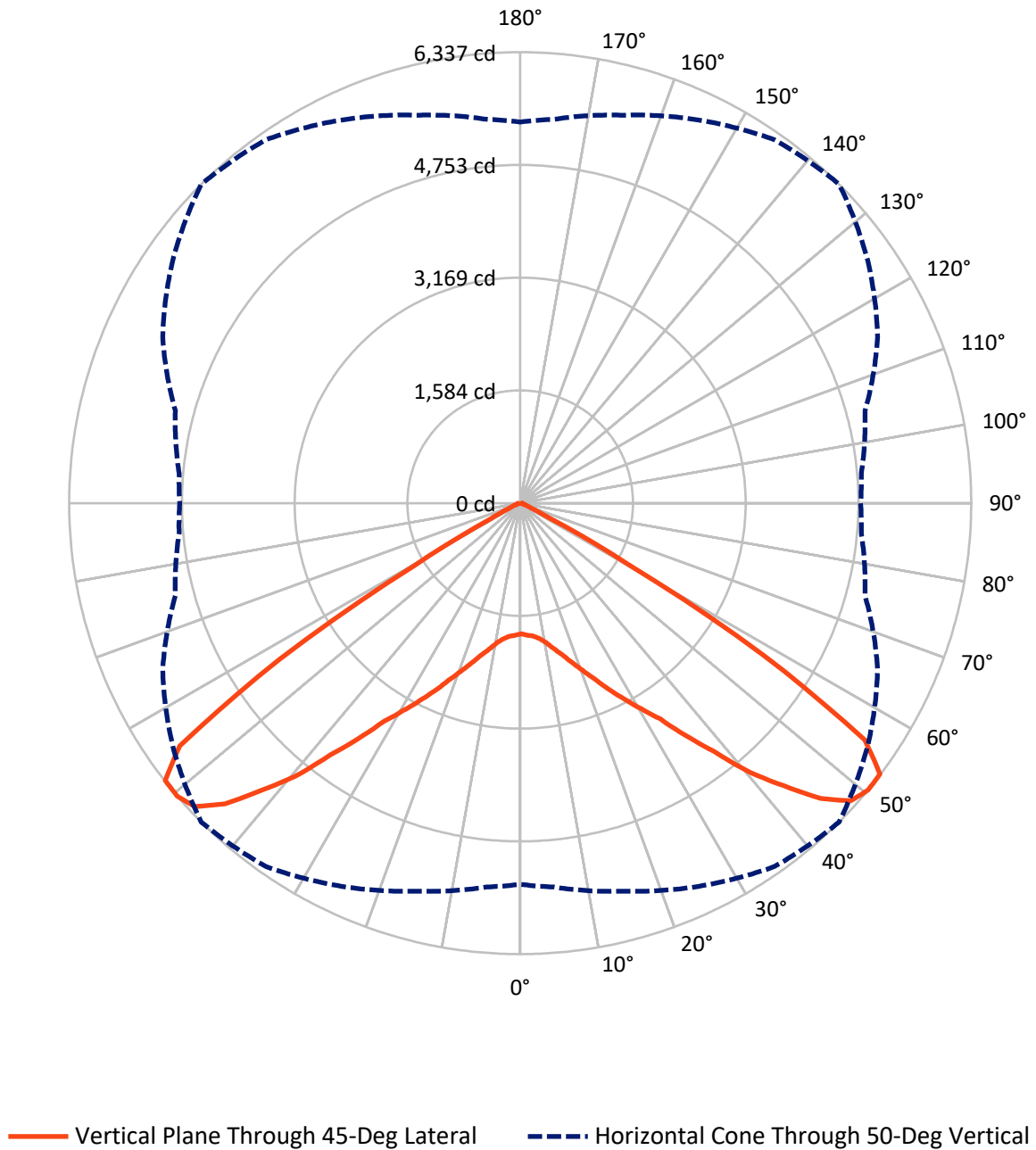


Based on 25 foot mounting height. Maximum calculated value = 3.5 fc  
 Type V - Short - N/A

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## Luminous Intensity Polar Plot



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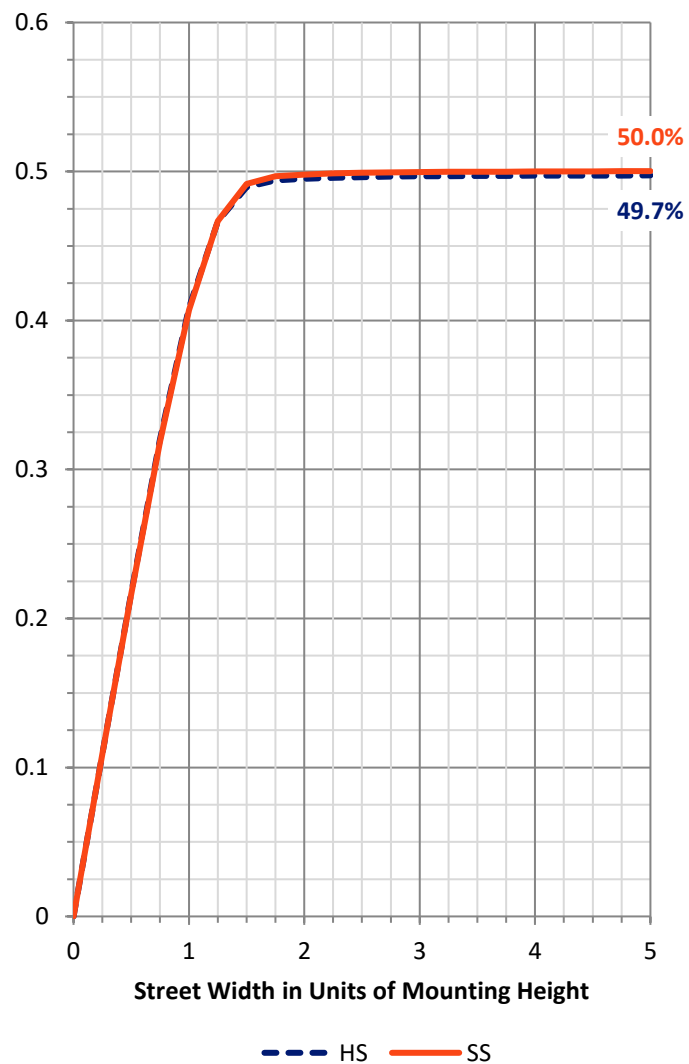
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 6624.0   | 0.0    | 6624.0  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 6624.0   | 0.0    | 6624.0  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 13248.0  | 0.0    | 13248.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 182.7   | 1.4       |
| 10°-20°   | 629.8   | 4.8       |
| 20°-30°   | 1286.2  | 9.7       |
| 30°-40°   | 2452.8  | 18.5      |
| 40°-50°   | 4133.4  | 31.2      |
| 50°-60°   | 3941.9  | 29.8      |
| 60°-70°   | 550.3   | 4.2       |
| 70°-80°   | 52.6    | 0.4       |
| 80°-90°   | 18.2    | 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°    | 13248.0 | 100.0     |
| 0°-180°   | 13248.0 | 100.0     |

**Coefficient of Utilization**



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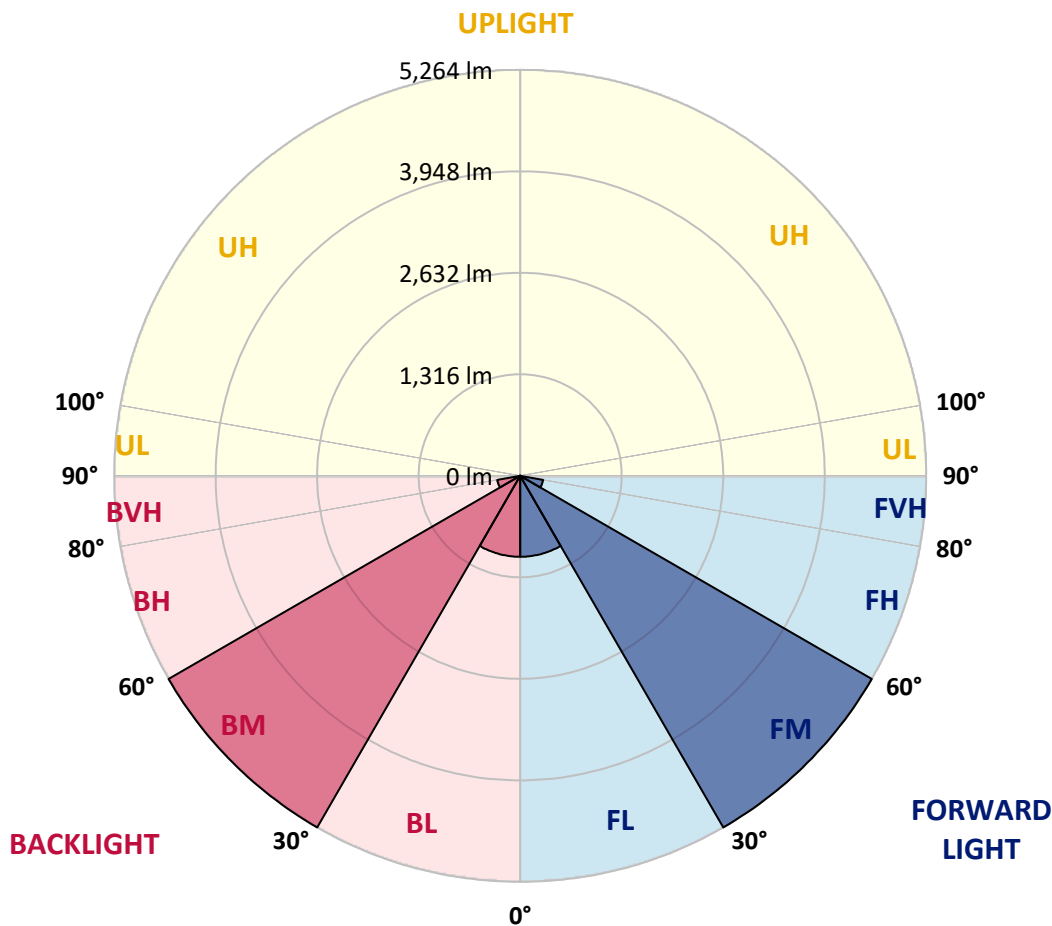
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 1049.4 | 7.9       |                         |      |        |
| FM   | (30°-60°)   | 5264.1 | 39.7      |                         |      |        |
| FH   | (60°-80°)   | 301.5  | 2.3       |                         |      | G0/660 |
| FVH  | (80°-90°)   | 9.1    | 0.1       |                         |      | G0/10  |
| BL   | (0°-30°)    | 1049.4 | 7.9       | B3/2500                 |      |        |
| BM   | (30°-60°)   | 5264.1 | 39.7      | B4/8500                 |      |        |
| BH   | (60°-80°)   | 301.5  | 2.3       | B1/500                  |      | G0/660 |
| BVH  | (80°-90°)   | 9.1    | 0.1       |                         |      | G0/10  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |        |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |        |

**BUG Rating: B4-U0-G0**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1836.7 | 1836.7 | 1836.7 | 1836.7 | 1836.7 | 1836.7 | 1836.7 | 1836.7 | 1836.7 | 1836.7 | 1836.7 |
| 2.5°  | 1830.0 | 1830.0 | 1827.8 | 1845.6 | 1836.7 | 1856.8 | 1854.5 | 1861.2 | 1867.9 | 1865.7 | 1883.5 |
| 5°    | 1814.4 | 1812.2 | 1812.2 | 1832.2 | 1852.3 | 1874.6 | 1894.6 | 1908.0 | 1930.3 | 1930.3 | 1952.6 |
| 7.5°  | 1830.0 | 1818.9 | 1834.5 | 1843.4 | 1881.3 | 1919.2 | 1952.6 | 1979.3 | 2030.6 | 2048.4 | 2041.8 |
| 10°   | 1834.5 | 1847.8 | 1859.0 | 1885.7 | 1932.5 | 1990.5 | 2019.5 | 2086.3 | 2144.3 | 2184.4 | 2193.3 |
| 12.5° | 1863.4 | 1883.5 | 1914.7 | 1979.3 | 2021.7 | 2097.5 | 2137.6 | 2202.2 | 2282.5 | 2327.1 | 2358.3 |
| 15°   | 1919.2 | 1925.8 | 1966.0 | 2048.4 | 2139.8 | 2208.9 | 2271.3 | 2318.2 | 2396.2 | 2447.4 | 2449.7 |
| 17.5° | 1990.5 | 2019.5 | 2075.2 | 2153.2 | 2249.1 | 2351.6 | 2400.6 | 2451.9 | 2480.9 | 2550.0 | 2565.6 |
| 20°   | 2133.1 | 2137.6 | 2191.1 | 2293.6 | 2414.0 | 2507.6 | 2543.3 | 2570.0 | 2558.9 | 2630.2 | 2643.6 |
| 22.5° | 2266.9 | 2271.3 | 2338.2 | 2476.4 | 2605.7 | 2685.9 | 2701.5 | 2685.9 | 2652.5 | 2703.8 | 2708.2 |
| 25°   | 2402.9 | 2443.0 | 2492.0 | 2630.2 | 2790.7 | 2897.7 | 2899.9 | 2857.6 | 2788.5 | 2797.4 | 2819.7 |
| 27.5° | 2614.6 | 2643.6 | 2694.9 | 2821.9 | 2998.0 | 3118.4 | 3098.3 | 3047.0 | 2957.9 | 2964.6 | 2957.9 |
| 30°   | 2862.0 | 2888.8 | 2931.1 | 3093.8 | 3223.1 | 3354.6 | 3383.6 | 3334.6 | 3200.8 | 3171.9 | 3205.3 |
| 32.5° | 3160.7 | 3198.6 | 3276.6 | 3426.0 | 3535.2 | 3615.4 | 3635.5 | 3617.7 | 3492.8 | 3481.7 | 3504.0 |
| 35°   | 3524.0 | 3575.3 | 3646.6 | 3778.1 | 3867.3 | 4012.2 | 4012.2 | 3952.0 | 3838.3 | 3851.7 | 3849.5 |
| 37.5° | 3907.4 | 3983.2 | 4094.7 | 4228.4 | 4348.8 | 4426.8 | 4402.3 | 4351.0 | 4237.3 | 4208.3 | 4237.3 |
| 40°   | 4388.9 | 4426.8 | 4567.2 | 4741.1 | 4888.2 | 4977.3 | 4872.6 | 4761.1 | 4489.2 | 4531.5 | 4609.6 |
| 42.5° | 4828.0 | 4888.2 | 4995.2 | 5186.9 | 5354.0 | 5427.6 | 5302.8 | 5082.1 | 4754.4 | 4721.0 | 4779.0 |
| 45°   | 5202.5 | 5267.1 | 5407.5 | 5681.7 | 5857.8 | 5922.4 | 5646.0 | 5289.4 | 4914.9 | 4830.2 | 4854.7 |
| 47.5° | 5452.1 | 5485.5 | 5681.7 | 5942.5 | 6103.0 | 6250.1 | 5853.3 | 5432.1 | 4990.7 | 4830.2 | 4821.3 |
| 50°   | 5356.3 | 5414.2 | 5643.8 | 5940.3 | 6232.3 | 6337.0 | 5958.1 | 5541.3 | 5015.2 | 4810.2 | 4783.4 |
| 52.5° | 4756.7 | 4857.0 | 5113.3 | 5512.3 | 5953.6 | 6328.1 | 6103.0 | 5505.6 | 5006.3 | 4830.2 | 4870.3 |
| 55°   | 3310.1 | 3312.3 | 3624.3 | 4212.8 | 4992.9 | 5875.6 | 5891.2 | 5545.7 | 5064.3 | 4955.0 | 4957.3 |
| 57.5° | 1330.7 | 1397.6 | 1636.1 | 2226.8 | 2946.7 | 4034.5 | 4796.8 | 5144.5 | 5071.0 | 5044.2 | 5113.3 |
| 60°   | 336.6  | 338.8  | 412.4  | 628.6  | 1036.5 | 1729.7 | 2512.1 | 3399.2 | 3914.1 | 4090.2 | 4114.7 |
| 62.5° | 171.6  | 173.9  | 191.7  | 222.9  | 283.1  | 463.6  | 824.7  | 1308.4 | 1861.2 | 2142.1 | 2215.6 |
| 65°   | 140.4  | 140.4  | 151.6  | 167.2  | 169.4  | 178.3  | 214.0  | 305.4  | 443.6  | 503.8  | 510.4  |
| 67.5° | 107.0  | 107.0  | 115.9  | 124.8  | 129.3  | 127.1  | 122.6  | 127.1  | 153.8  | 147.1  | 142.7  |
| 70°   | 66.9   | 69.1   | 73.6   | 82.5   | 86.9   | 89.2   | 91.4   | 95.8   | 109.2  | 113.7  | 109.2  |
| 72.5° | 40.1   | 40.1   | 42.4   | 49.0   | 55.7   | 60.2   | 66.9   | 71.3   | 78.0   | 89.2   | 86.9   |
| 75°   | 17.8   | 17.8   | 22.3   | 29.0   | 35.7   | 42.4   | 49.0   | 55.7   | 60.2   | 66.9   | 69.1   |
| 77.5° | 4.5    | 6.7    | 11.1   | 20.1   | 26.7   | 35.7   | 44.6   | 51.3   | 55.7   | 55.7   | 53.5   |
| 80°   | 2.2    | 2.2    | 8.9    | 15.6   | 29.0   | 37.9   | 49.0   | 53.5   | 60.2   | 55.7   | 49.0   |
| 82.5° | 2.2    | 2.2    | 8.9    | 15.6   | 26.7   | 37.9   | 51.3   | 58.0   | 62.4   | 55.7   | 46.8   |
| 85°   | 0.0    | 2.2    | 6.7    | 13.4   | 22.3   | 26.7   | 22.3   | 15.6   | 8.9    | 8.9    | 6.7    |
| 87.5° | 0.0    | 0.0    | 2.2    | 2.2    | 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)