

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: P529867

Luminaire Tested: **GLAN-SA5A-740-U-RW-GRSBK**

Issue Date: 5/27/2021

#### Test Information

Test Method: LM-79-08  
Report Number: P529867  
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-SA5A-740-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 4000K, 615mA 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: 14800 lumens  
Efficiency: N/A  
Efficacy: 96.1 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): 154  
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



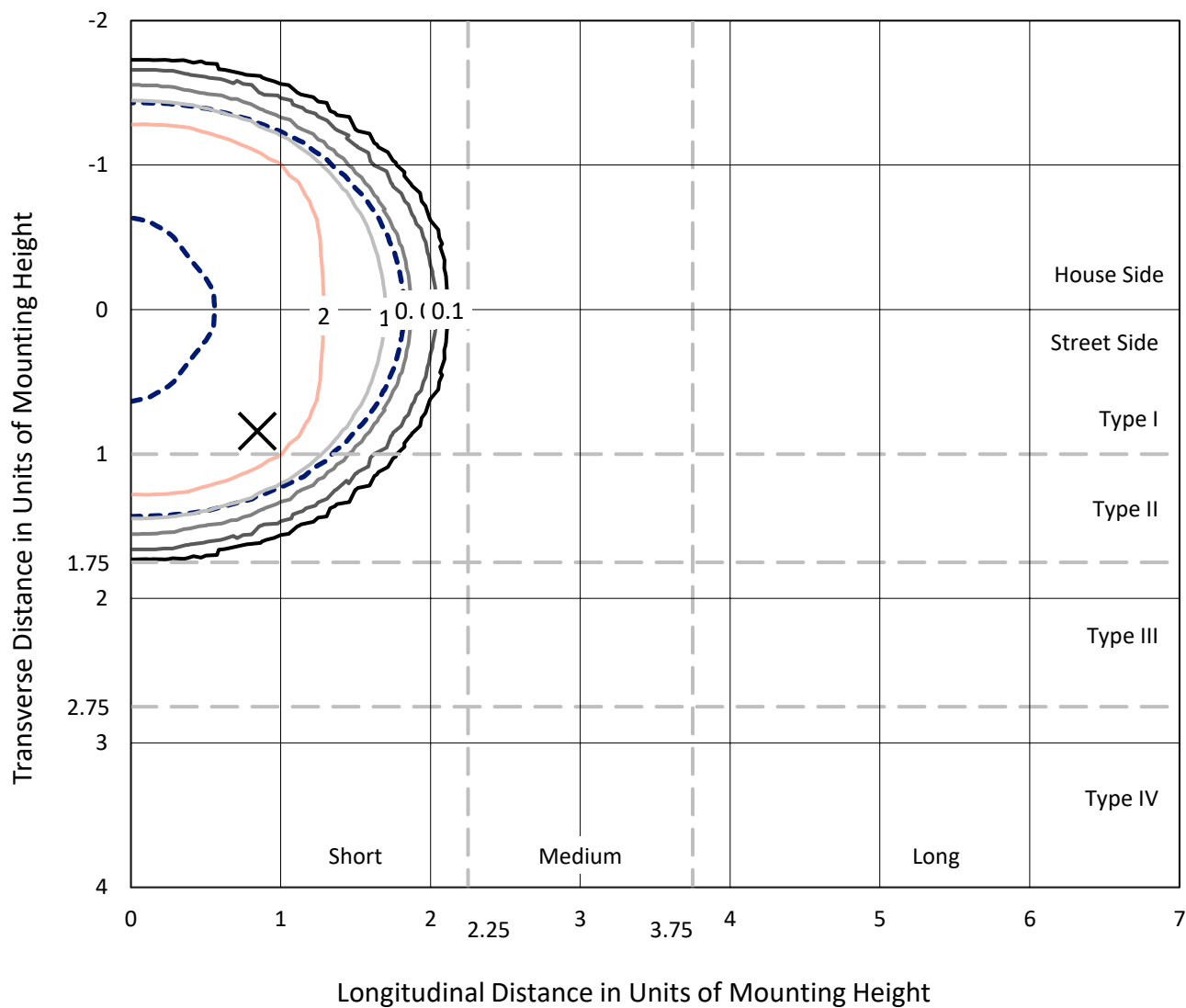
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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



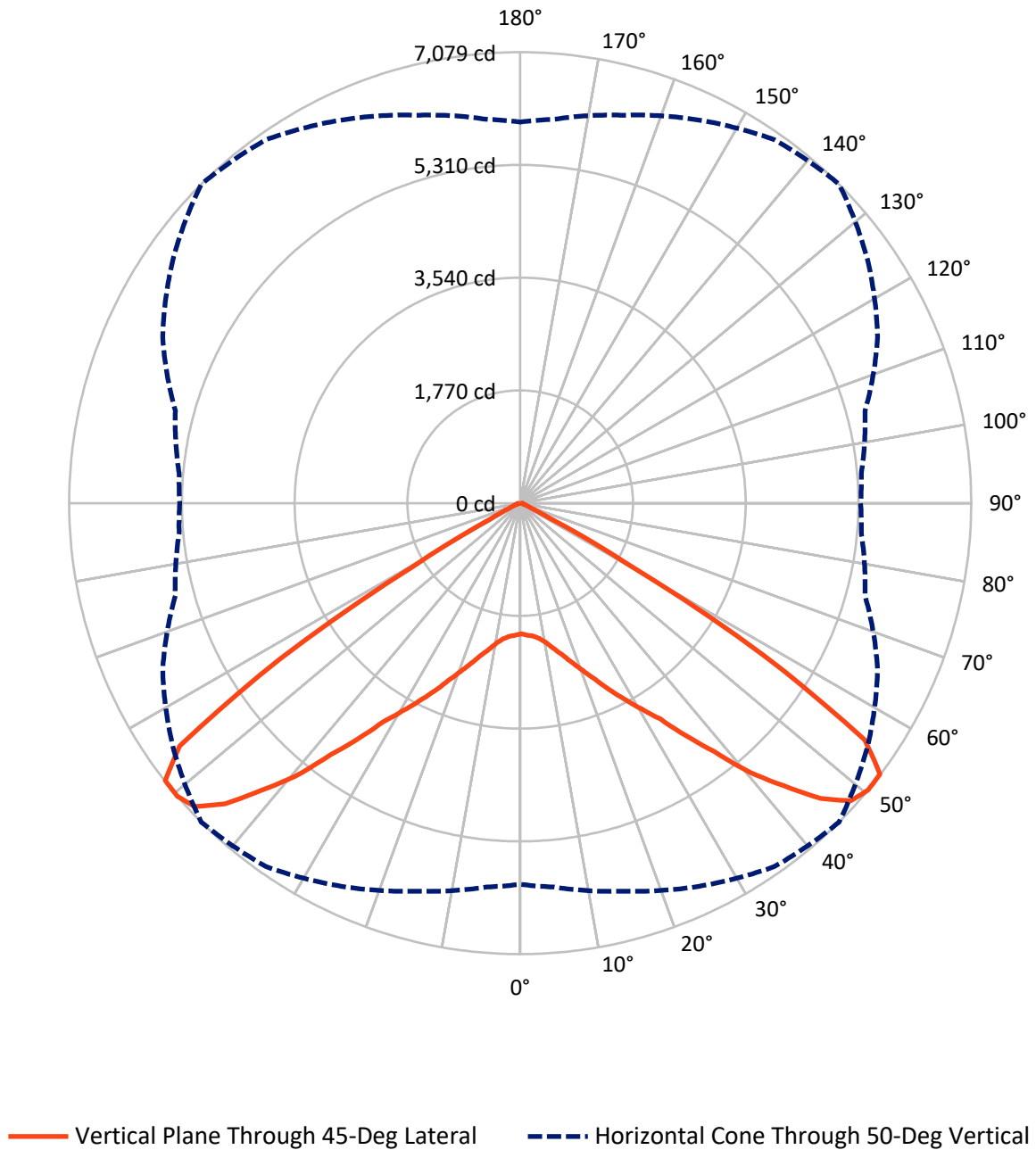
Based on 25 foot mounting height. Maximum calculated value = 4 fc

Type V - Short - N/A

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## Luminous Intensity Polar Plot



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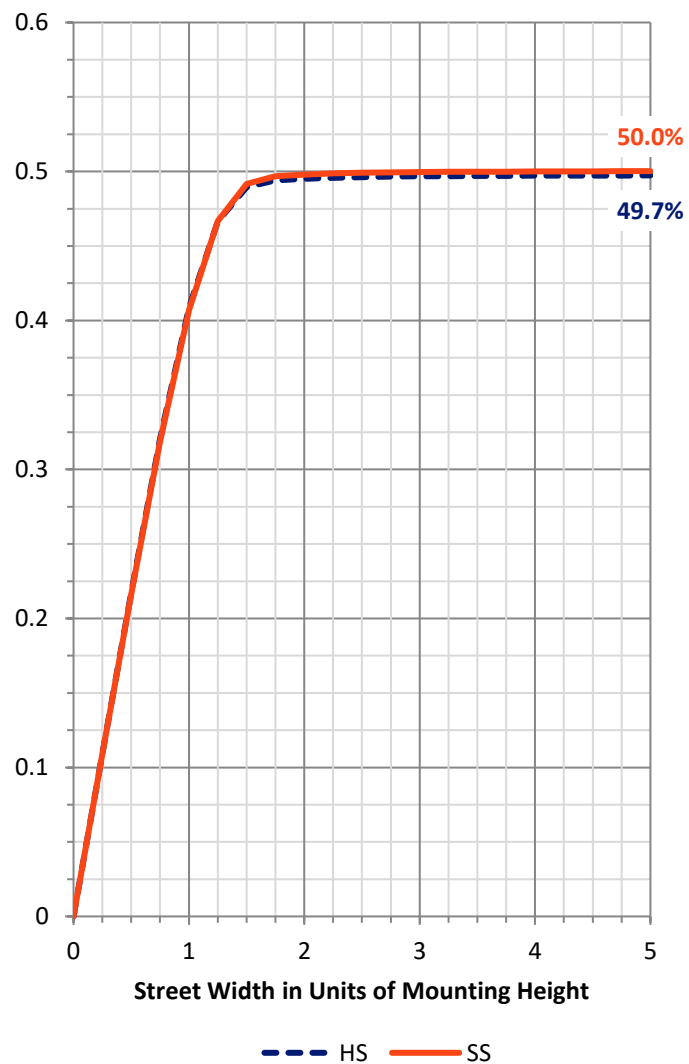
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7400.0   | 0.0    | 7400.0  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 7400.0   | 0.0    | 7400.0  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 14800.0  | 0.0    | 14800.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 204.1   | 1.4       |
| 10°-20°   | 703.5   | 4.8       |
| 20°-30°   | 1436.9  | 9.7       |
| 30°-40°   | 2740.2  | 18.5      |
| 40°-50°   | 4617.6  | 31.2      |
| 50°-60°   | 4403.7  | 29.8      |
| 60°-70°   | 614.7   | 4.2       |
| 70°-80°   | 58.8    | 0.4       |
| 80°-90°   | 20.3    | 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°    | 14800.0 | 100.0     |
| 0°-180°   | 14800.0 | 100.0     |

**Coefficient of Utilization**



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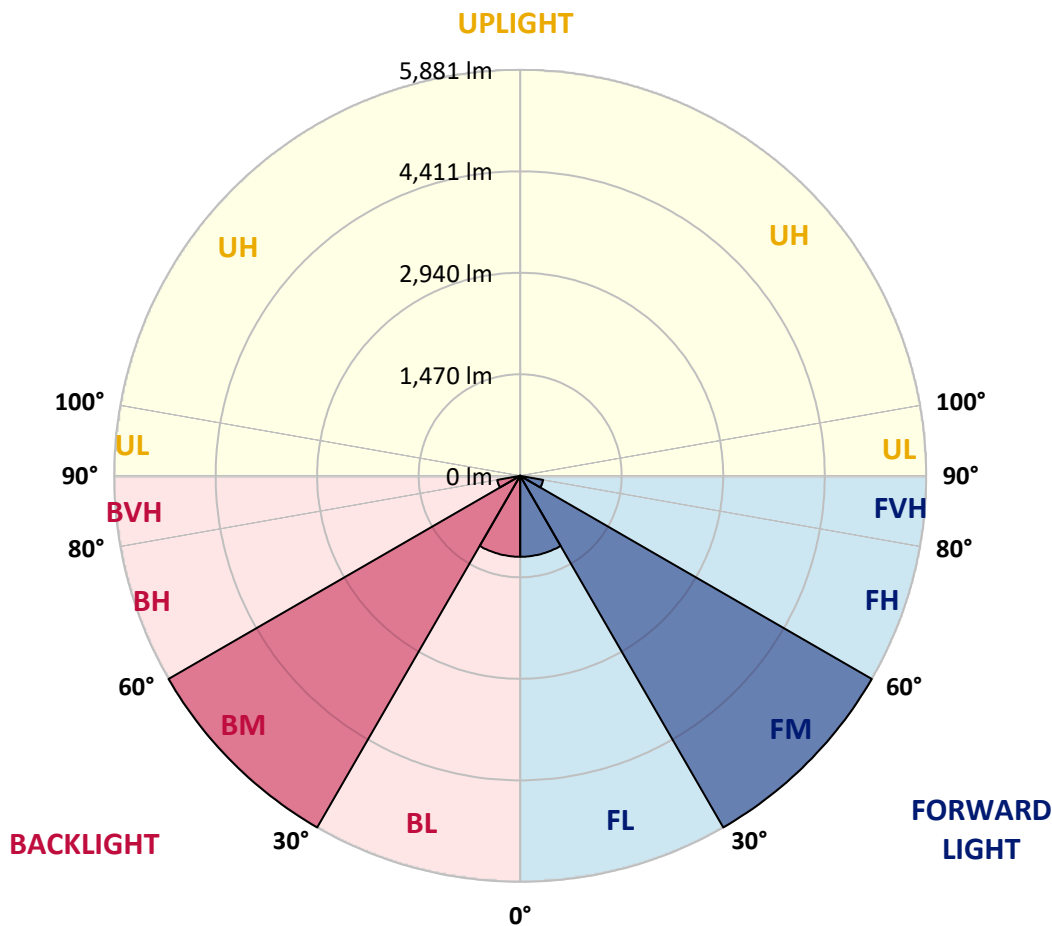
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 1172.3 | 7.9       |                         |      |        |
| FM   | (30°-60°)   | 5880.8 | 39.7      |                         |      |        |
| FH   | (60°-80°)   | 336.8  | 2.3       |                         |      | G0/660 |
| FVH  | (80°-90°)   | 10.2   | 0.1       |                         |      | G1/100 |
| BL   | (0°-30°)    | 1172.3 | 7.9       | B3/2500                 |      |        |
| BM   | (30°-60°)   | 5880.8 | 39.7      | B4/8500                 |      |        |
| BH   | (60°-80°)   | 336.8  | 2.3       | B1/500                  |      | G0/660 |
| BVH  | (80°-90°)   | 10.2   | 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°    | 2051.9 | 2051.9 | 2051.9 | 2051.9 | 2051.9 | 2051.9 | 2051.9 | 2051.9 | 2051.9 | 2051.9 | 2051.9 |
| 2.5°  | 2044.4 | 2044.4 | 2041.9 | 2061.8 | 2051.9 | 2074.3 | 2071.8 | 2079.2 | 2086.7 | 2084.2 | 2104.1 |
| 5°    | 2027.0 | 2024.5 | 2024.5 | 2046.9 | 2069.3 | 2094.2 | 2116.6 | 2131.5 | 2156.4 | 2156.4 | 2181.3 |
| 7.5°  | 2044.4 | 2031.9 | 2049.4 | 2059.3 | 2101.7 | 2144.0 | 2181.3 | 2211.2 | 2268.5 | 2288.4 | 2280.9 |
| 10°   | 2049.4 | 2064.3 | 2076.8 | 2106.6 | 2158.9 | 2223.7 | 2256.0 | 2330.8 | 2395.5 | 2440.3 | 2450.3 |
| 12.5° | 2081.7 | 2104.1 | 2139.0 | 2211.2 | 2258.5 | 2343.2 | 2388.0 | 2460.2 | 2549.9 | 2599.7 | 2634.5 |
| 15°   | 2144.0 | 2151.5 | 2196.3 | 2288.4 | 2390.5 | 2467.7 | 2537.4 | 2589.7 | 2676.9 | 2734.1 | 2736.6 |
| 17.5° | 2223.7 | 2256.0 | 2318.3 | 2405.5 | 2512.5 | 2627.1 | 2681.9 | 2739.1 | 2771.5 | 2848.7 | 2866.1 |
| 20°   | 2383.0 | 2388.0 | 2447.8 | 2562.3 | 2696.8 | 2801.4 | 2841.2 | 2871.1 | 2858.7 | 2938.3 | 2953.3 |
| 22.5° | 2532.4 | 2537.4 | 2612.1 | 2766.5 | 2910.9 | 3000.6 | 3018.0 | 3000.6 | 2963.2 | 3020.5 | 3025.5 |
| 25°   | 2684.3 | 2729.2 | 2784.0 | 2938.3 | 3117.6 | 3237.2 | 3239.6 | 3192.3 | 3115.1 | 3125.1 | 3150.0 |
| 27.5° | 2920.9 | 2953.3 | 3010.6 | 3152.5 | 3349.2 | 3483.7 | 3461.3 | 3404.0 | 3304.4 | 3311.9 | 3304.4 |
| 30°   | 3197.3 | 3227.2 | 3274.5 | 3456.3 | 3600.7 | 3747.6 | 3780.0 | 3725.2 | 3575.8 | 3543.4 | 3580.8 |
| 32.5° | 3531.0 | 3573.3 | 3660.5 | 3827.3 | 3949.3 | 4039.0 | 4061.4 | 4041.5 | 3902.0 | 3889.6 | 3914.5 |
| 35°   | 3936.9 | 3994.1 | 4073.8 | 4220.7 | 4320.4 | 4482.2 | 4482.2 | 4415.0 | 4288.0 | 4302.9 | 4300.4 |
| 37.5° | 4365.2 | 4449.8 | 4574.3 | 4723.8 | 4858.2 | 4945.4 | 4918.0 | 4860.7 | 4733.7 | 4701.3 | 4733.7 |
| 40°   | 4903.0 | 4945.4 | 5102.3 | 5296.5 | 5460.8 | 5560.4 | 5443.4 | 5318.9 | 5015.1 | 5062.4 | 5149.6 |
| 42.5° | 5393.6 | 5460.8 | 5580.4 | 5794.5 | 5981.3 | 6063.4 | 5924.0 | 5677.5 | 5311.4 | 5274.1 | 5338.8 |
| 45°   | 5811.9 | 5884.1 | 6041.0 | 6347.3 | 6544.0 | 6616.2 | 6307.5 | 5909.0 | 5490.7 | 5396.1 | 5423.5 |
| 47.5° | 6090.8 | 6128.2 | 6347.3 | 6638.7 | 6817.9 | 6982.3 | 6539.0 | 6068.4 | 5575.4 | 5396.1 | 5386.1 |
| 50°   | 5983.8 | 6048.5 | 6305.0 | 6636.2 | 6962.4 | 7079.4 | 6656.1 | 6190.4 | 5602.8 | 5373.7 | 5343.8 |
| 52.5° | 5313.9 | 5426.0 | 5712.3 | 6158.1 | 6651.1 | 7069.4 | 6817.9 | 6150.6 | 5592.8 | 5396.1 | 5440.9 |
| 55°   | 3697.8 | 3700.3 | 4048.9 | 4706.3 | 5577.9 | 6564.0 | 6581.4 | 6195.4 | 5657.5 | 5535.5 | 5538.0 |
| 57.5° | 1486.6 | 1561.3 | 1827.7 | 2487.6 | 3291.9 | 4507.1 | 5358.7 | 5747.2 | 5665.0 | 5635.1 | 5712.3 |
| 60°   | 376.0  | 378.5  | 460.7  | 702.2  | 1157.9 | 1932.3 | 2806.4 | 3797.4 | 4372.6 | 4569.4 | 4596.8 |
| 62.5° | 191.7  | 194.2  | 214.2  | 249.0  | 316.2  | 517.9  | 921.3  | 1461.7 | 2079.2 | 2393.0 | 2475.2 |
| 65°   | 156.9  | 156.9  | 169.3  | 186.8  | 189.2  | 199.2  | 239.1  | 341.1  | 495.5  | 562.8  | 570.2  |
| 67.5° | 119.5  | 119.5  | 129.5  | 139.4  | 144.4  | 141.9  | 137.0  | 141.9  | 171.8  | 164.3  | 159.4  |
| 70°   | 74.7   | 77.2   | 82.2   | 92.1   | 97.1   | 99.6   | 102.1  | 107.1  | 122.0  | 127.0  | 122.0  |
| 72.5° | 44.8   | 44.8   | 47.3   | 54.8   | 62.3   | 67.2   | 74.7   | 79.7   | 87.2   | 99.6   | 97.1   |
| 75°   | 19.9   | 19.9   | 24.9   | 32.4   | 39.8   | 47.3   | 54.8   | 62.3   | 67.2   | 74.7   | 77.2   |
| 77.5° | 5.0    | 7.5    | 12.5   | 22.4   | 29.9   | 39.8   | 49.8   | 57.3   | 62.3   | 62.3   | 59.8   |
| 80°   | 2.5    | 2.5    | 10.0   | 17.4   | 32.4   | 42.3   | 54.8   | 59.8   | 67.2   | 62.3   | 54.8   |
| 82.5° | 2.5    | 2.5    | 10.0   | 17.4   | 29.9   | 42.3   | 57.3   | 64.7   | 69.7   | 62.3   | 52.3   |
| 85°   | 0.0    | 2.5    | 7.5    | 14.9   | 24.9   | 29.9   | 24.9   | 17.4   | 10.0   | 10.0   | 7.5    |
| 87.5° | 0.0    | 0.0    | 2.5    | 2.5    | 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)