

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: P527293

Luminaire Tested: **GLAN-SA2B-740-U-RW-GRSBK**

Issue Date: 5/27/2021

### Test Information

Test Method: LM-79-08  
Report Number: P527293  
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-SA2B-740-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 4000K, 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: 7395 lumens  
Efficiency: N/A  
Efficacy: 90.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

Input Watts (W): 82  
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

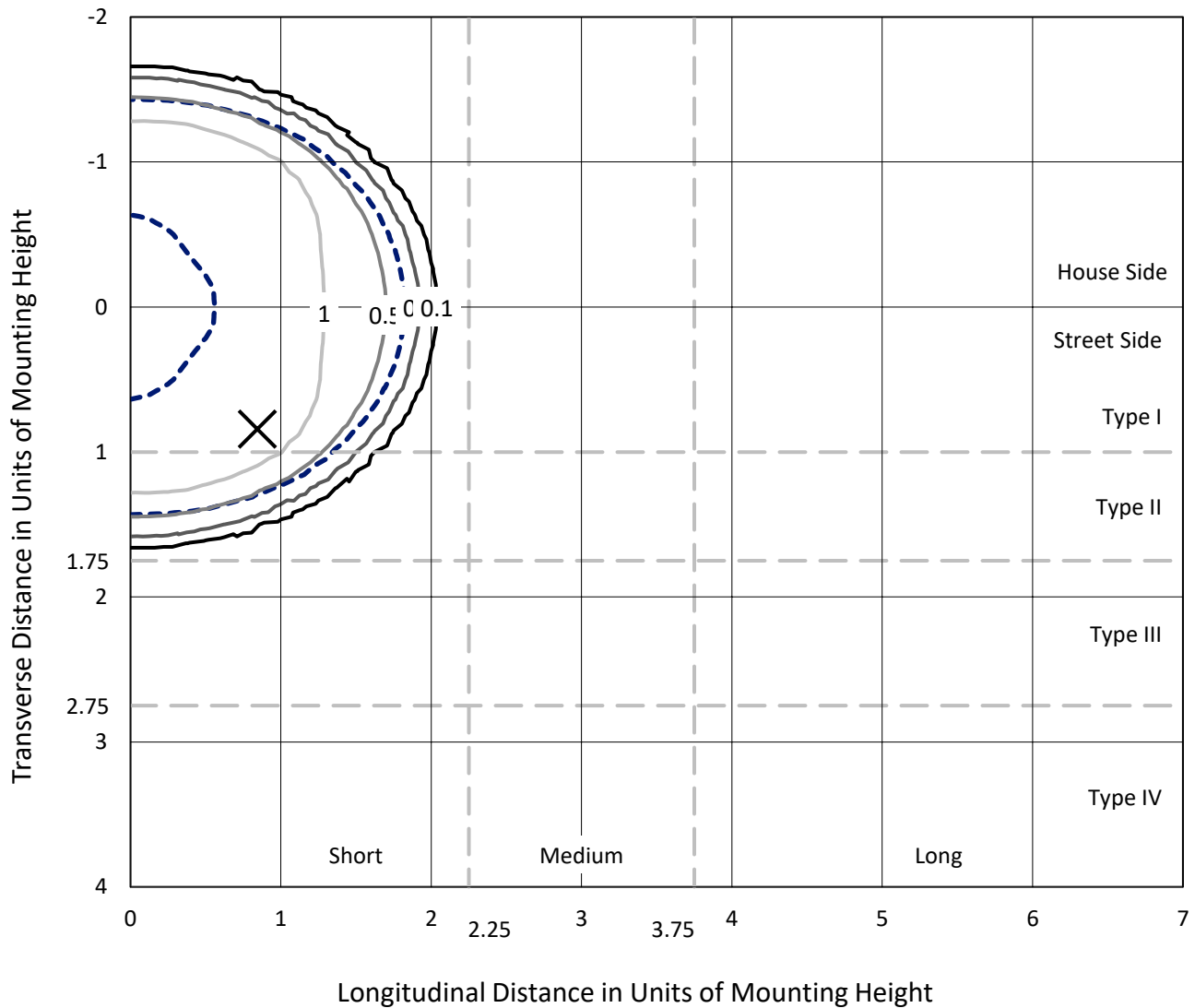


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

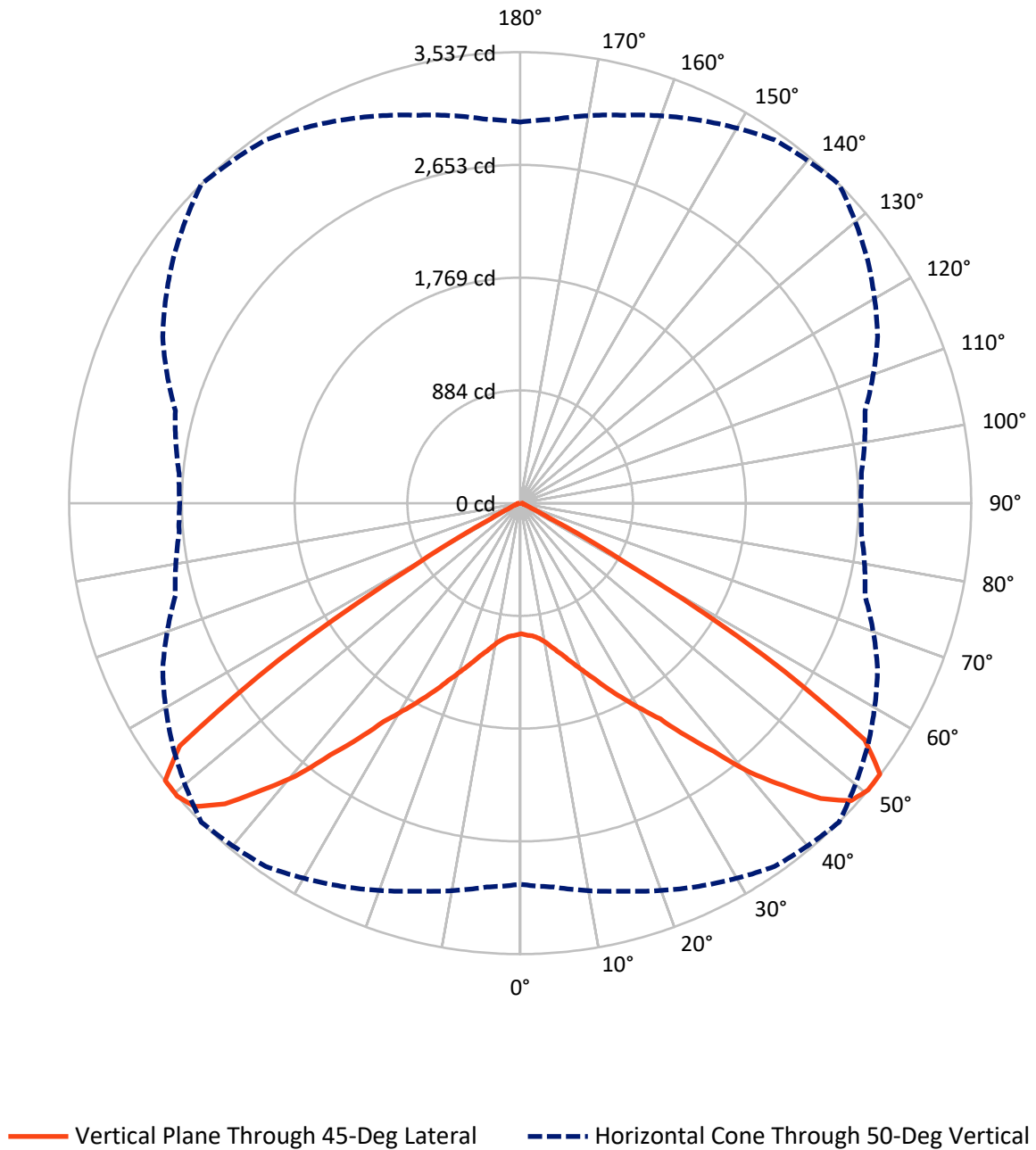


Based on 25 foot mounting height. Maximum calculated value = 2 fc  
Type V - Short - N/A

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## Luminous Intensity Polar Plot



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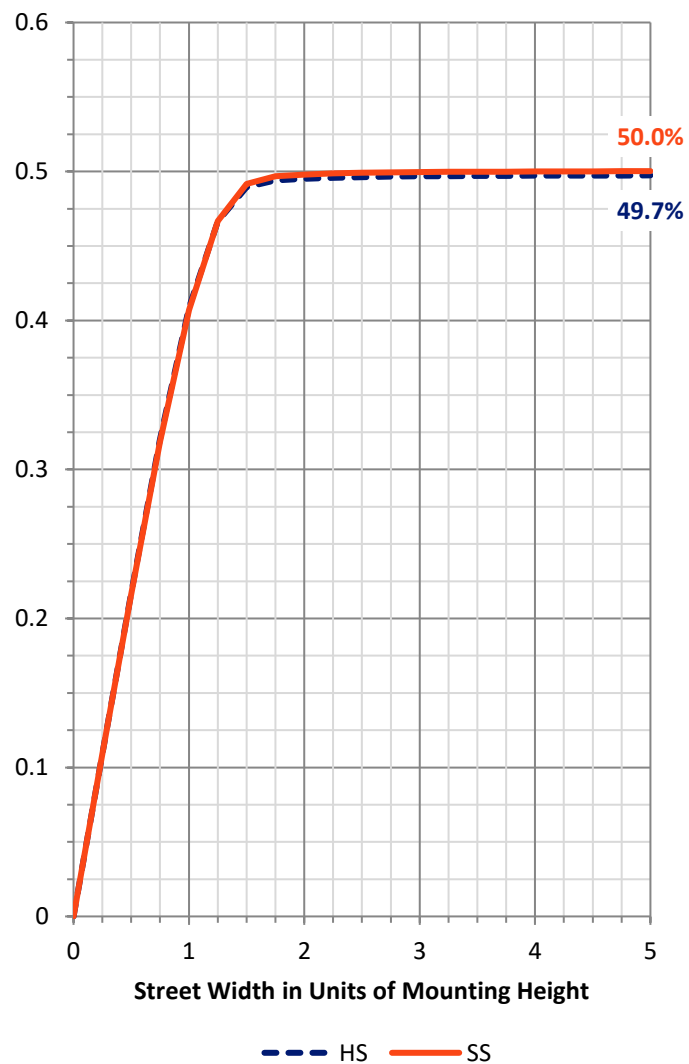
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 3697.5   | 0.0    | 3697.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 3697.5   | 0.0    | 3697.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 7395.0   | 0.0    | 7395.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 102.0  | 1.4       |
| 10°-20°   | 351.5  | 4.8       |
| 20°-30°   | 718.0  | 9.7       |
| 30°-40°   | 1369.2 | 18.5      |
| 40°-50°   | 2307.3 | 31.2      |
| 50°-60°   | 2200.4 | 29.8      |
| 60°-70°   | 307.2  | 4.2       |
| 70°-80°   | 29.4   | 0.4       |
| 80°-90°   | 10.1   | 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°    | 7395.0 | 100.0     |
| 0°-180°   | 7395.0 | 100.0     |

**Coefficient of Utilization**



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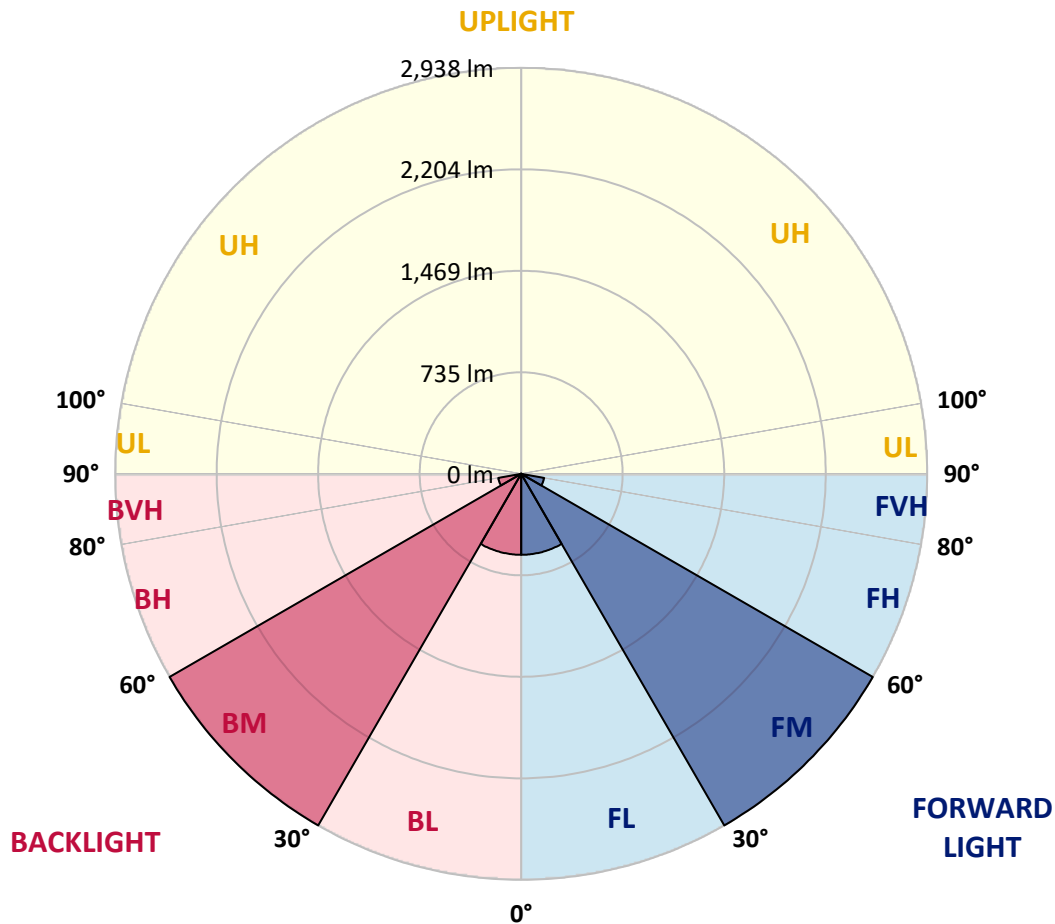
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 585.8  | 7.9       |                         |      |        |
| FM   | (30°-60°)   | 2938.4 | 39.7      |                         |      |        |
| FH   | (60°-80°)   | 168.3  | 2.3       |                         |      | G0/660 |
| FVH  | (80°-90°)   | 5.1    | 0.1       |                         |      | G0/10  |
| BL   | (0°-30°)    | 585.8  | 7.9       | B2/1000                 |      |        |
| BM   | (30°-60°)   | 2938.4 | 39.7      | B3/5000                 |      |        |
| BH   | (60°-80°)   | 168.3  | 2.3       | B1/500                  |      | G0/660 |
| BVH  | (80°-90°)   | 5.1    | 0.1       |                         |      | G0/10  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |        |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |        |

**BUG Rating: 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°    | 1025.2 | 1025.2 | 1025.2 | 1025.2 | 1025.2 | 1025.2 | 1025.2 | 1025.2 | 1025.2 | 1025.2 | 1025.2 |
| 2.5°  | 1021.5 | 1021.5 | 1020.3 | 1030.2 | 1025.2 | 1036.4 | 1035.2 | 1038.9 | 1042.7 | 1041.4 | 1051.4 |
| 5°    | 1012.8 | 1011.5 | 1011.5 | 1022.7 | 1033.9 | 1046.4 | 1057.6 | 1065.1 | 1077.5 | 1077.5 | 1089.9 |
| 7.5°  | 1021.5 | 1015.3 | 1024.0 | 1029.0 | 1050.1 | 1071.3 | 1089.9 | 1104.9 | 1133.5 | 1143.4 | 1139.7 |
| 10°   | 1024.0 | 1031.5 | 1037.7 | 1052.6 | 1078.7 | 1111.1 | 1127.3 | 1164.6 | 1196.9 | 1219.3 | 1224.3 |
| 12.5° | 1040.2 | 1051.4 | 1068.8 | 1104.9 | 1128.5 | 1170.8 | 1193.2 | 1229.3 | 1274.1 | 1299.0 | 1316.4 |
| 15°   | 1071.3 | 1075.0 | 1097.4 | 1143.4 | 1194.4 | 1233.0 | 1267.9 | 1294.0 | 1337.5 | 1366.2 | 1367.4 |
| 17.5° | 1111.1 | 1127.3 | 1158.4 | 1201.9 | 1255.4 | 1312.6 | 1340.0 | 1368.6 | 1384.8 | 1423.4 | 1432.1 |
| 20°   | 1190.7 | 1193.2 | 1223.1 | 1280.3 | 1347.5 | 1399.7 | 1419.7 | 1434.6 | 1428.4 | 1468.2 | 1475.6 |
| 22.5° | 1265.4 | 1267.9 | 1305.2 | 1382.3 | 1454.5 | 1499.3 | 1508.0 | 1499.3 | 1480.6 | 1509.2 | 1511.7 |
| 25°   | 1341.3 | 1363.7 | 1391.0 | 1468.2 | 1557.8 | 1617.5 | 1618.7 | 1595.1 | 1556.5 | 1561.5 | 1573.9 |
| 27.5° | 1459.5 | 1475.6 | 1504.3 | 1575.2 | 1673.5 | 1740.7 | 1729.5 | 1700.8 | 1651.1 | 1654.8 | 1651.1 |
| 30°   | 1597.6 | 1612.5 | 1636.1 | 1727.0 | 1799.1 | 1872.5 | 1888.7 | 1861.3 | 1786.7 | 1770.5 | 1789.2 |
| 32.5° | 1764.3 | 1785.5 | 1829.0 | 1912.4 | 1973.3 | 2018.1 | 2029.3 | 2019.4 | 1949.7 | 1943.5 | 1955.9 |
| 35°   | 1967.1 | 1995.7 | 2035.5 | 2108.9 | 2158.7 | 2239.6 | 2239.6 | 2206.0 | 2142.5 | 2150.0 | 2148.8 |
| 37.5° | 2181.1 | 2223.4 | 2285.6 | 2360.3 | 2427.5 | 2471.0 | 2457.3 | 2428.7 | 2365.3 | 2349.1 | 2365.3 |
| 40°   | 2449.9 | 2471.0 | 2549.4 | 2646.5 | 2728.6 | 2778.3 | 2719.9 | 2657.6 | 2505.9 | 2529.5 | 2573.0 |
| 42.5° | 2695.0 | 2728.6 | 2788.3 | 2895.3 | 2988.6 | 3029.7 | 2960.0 | 2836.8 | 2653.9 | 2635.3 | 2667.6 |
| 45°   | 2904.0 | 2940.1 | 3018.5 | 3171.5 | 3269.8 | 3305.9 | 3151.6 | 2952.5 | 2743.5 | 2696.2 | 2709.9 |
| 47.5° | 3043.4 | 3062.0 | 3171.5 | 3317.1 | 3406.7 | 3488.8 | 3267.3 | 3032.2 | 2785.8 | 2696.2 | 2691.2 |
| 50°   | 2989.9 | 3022.2 | 3150.4 | 3315.8 | 3478.8 | 3537.3 | 3325.8 | 3093.1 | 2799.5 | 2685.0 | 2670.1 |
| 52.5° | 2655.2 | 2711.2 | 2854.2 | 3077.0 | 3323.3 | 3532.3 | 3406.7 | 3073.2 | 2794.5 | 2696.2 | 2718.6 |
| 55°   | 1847.7 | 1848.9 | 2023.1 | 2351.6 | 2787.0 | 3279.8 | 3288.5 | 3095.6 | 2826.9 | 2765.9 | 2767.1 |
| 57.5° | 742.8  | 780.1  | 913.3  | 1243.0 | 1644.9 | 2252.0 | 2677.6 | 2871.7 | 2830.6 | 2815.7 | 2854.2 |
| 60°   | 187.9  | 189.1  | 230.2  | 350.9  | 578.6  | 965.5  | 1402.2 | 1897.4 | 2184.8 | 2283.1 | 2296.8 |
| 62.5° | 95.8   | 97.0   | 107.0  | 124.4  | 158.0  | 258.8  | 460.4  | 730.4  | 1038.9 | 1195.7 | 1236.8 |
| 65°   | 78.4   | 78.4   | 84.6   | 93.3   | 94.6   | 99.5   | 119.4  | 170.5  | 247.6  | 281.2  | 284.9  |
| 67.5° | 59.7   | 59.7   | 64.7   | 69.7   | 72.2   | 70.9   | 68.4   | 70.9   | 85.9   | 82.1   | 79.6   |
| 70°   | 37.3   | 38.6   | 41.1   | 46.0   | 48.5   | 49.8   | 51.0   | 53.5   | 61.0   | 63.5   | 61.0   |
| 72.5° | 22.4   | 22.4   | 23.6   | 27.4   | 31.1   | 33.6   | 37.3   | 39.8   | 43.5   | 49.8   | 48.5   |
| 75°   | 10.0   | 10.0   | 12.4   | 16.2   | 19.9   | 23.6   | 27.4   | 31.1   | 33.6   | 37.3   | 38.6   |
| 77.5° | 2.5    | 3.7    | 6.2    | 11.2   | 14.9   | 19.9   | 24.9   | 28.6   | 31.1   | 31.1   | 29.9   |
| 80°   | 1.2    | 1.2    | 5.0    | 8.7    | 16.2   | 21.2   | 27.4   | 29.9   | 33.6   | 31.1   | 27.4   |
| 82.5° | 1.2    | 1.2    | 5.0    | 8.7    | 14.9   | 21.2   | 28.6   | 32.3   | 34.8   | 31.1   | 26.1   |
| 85°   | 0.0    | 1.2    | 3.7    | 7.5    | 12.4   | 14.9   | 12.4   | 8.7    | 5.0    | 5.0    | 3.7    |
| 87.5° | 0.0    | 0.0    | 1.2    | 1.2    | 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)