

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: P511247

Luminaire Tested: **USSL-P-PA1C-750-U-5WQ**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P511247  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/7/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: USSL-P-PA1C-750-U-5WQ  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 5000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9478 lumens  
Efficiency: N/A  
Efficacy: 131.5 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

Input Watts (W): 72.1  
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



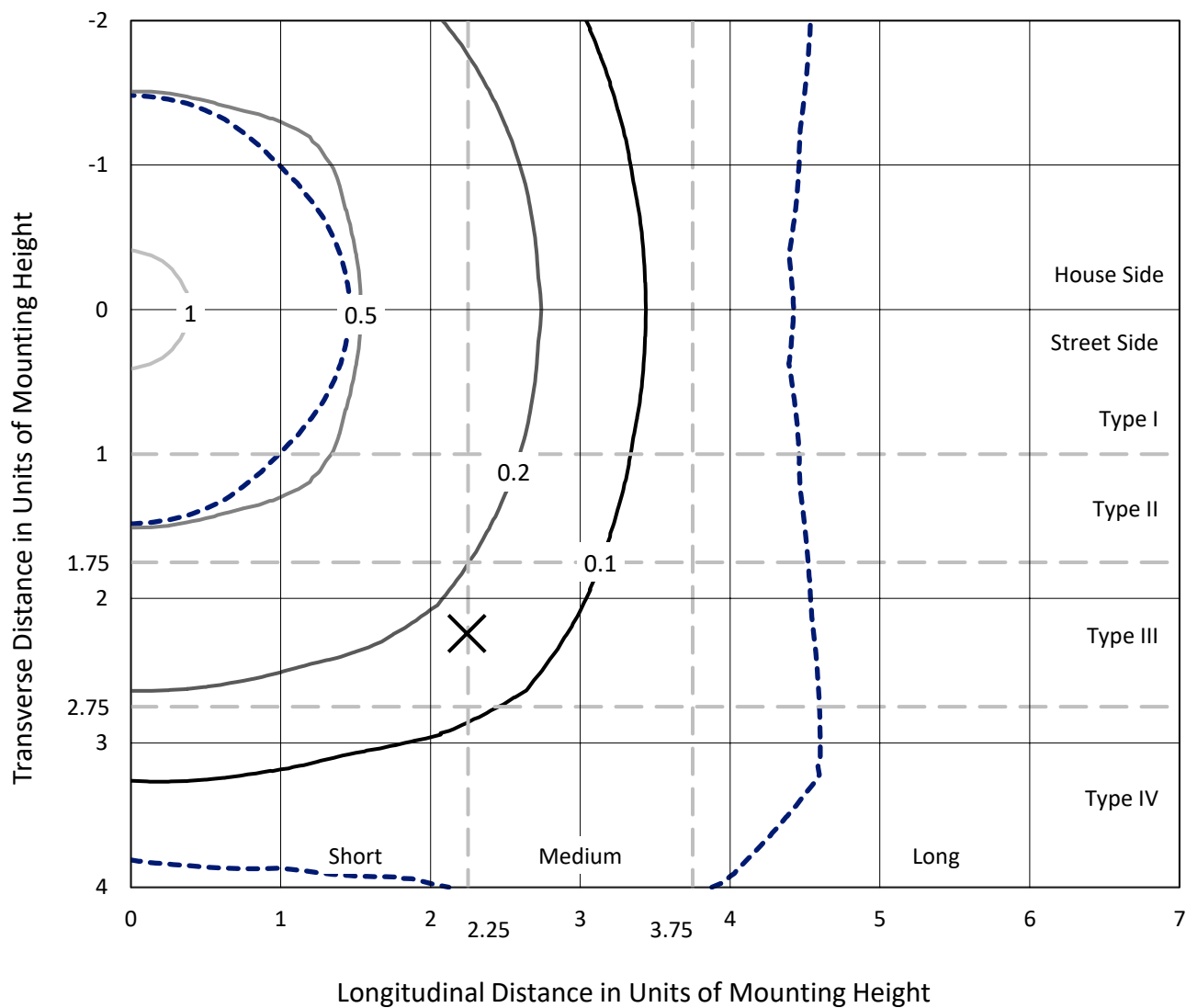
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

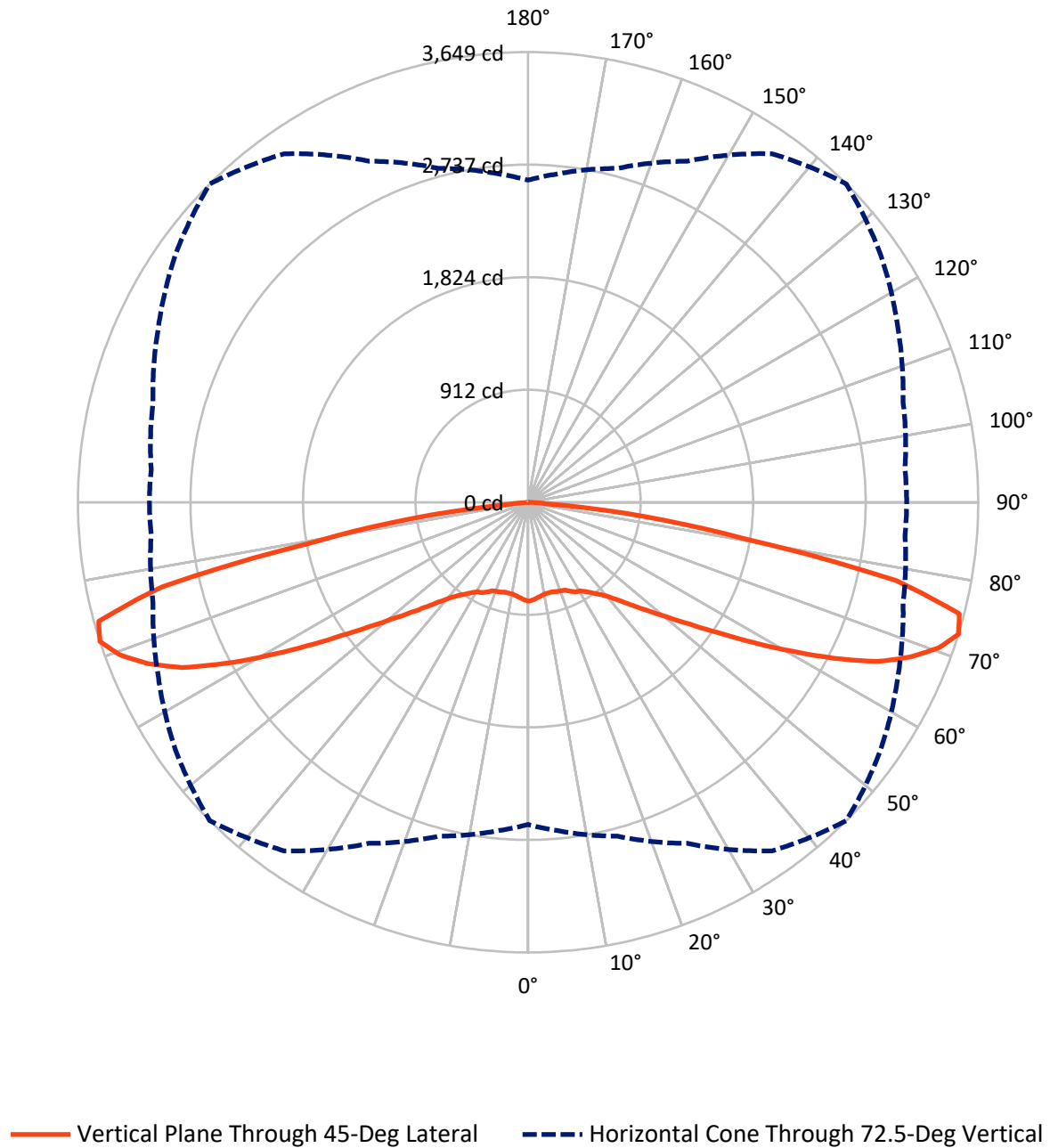


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type V - Short - N/A

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## Luminous Intensity Polar Plot



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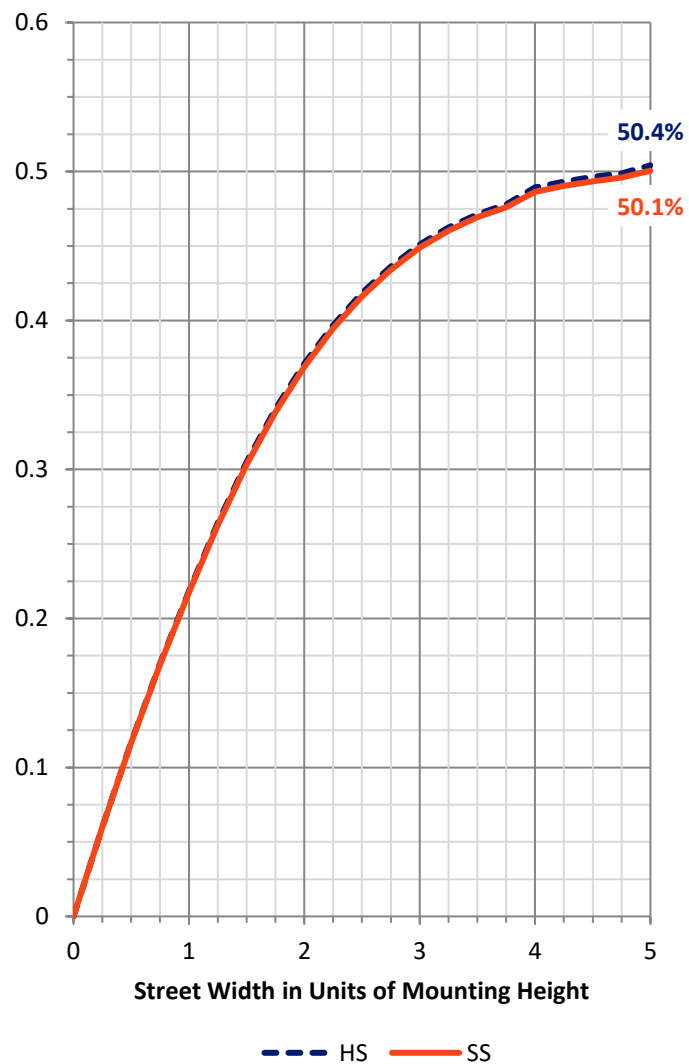
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 4739.0   | 0.0    | 4739.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 4739.0   | 0.0    | 4739.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 9478.0   | 0.0    | 9478.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 73.7   | 0.8       |
| 10°-20°   | 216.0  | 2.3       |
| 20°-30°   | 369.6  | 3.9       |
| 30°-40°   | 569.5  | 6.0       |
| 40°-50°   | 943.0  | 9.9       |
| 50°-60°   | 1640.7 | 17.3      |
| 60°-70°   | 2730.8 | 28.8      |
| 70°-80°   | 2678.8 | 28.3      |
| 80°-90°   | 256.0  | 2.7       |
| 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°    | 9478.0 | 100.0     |
| 0°-180°   | 9478.0 | 100.0     |

**Coefficient of Utilization**



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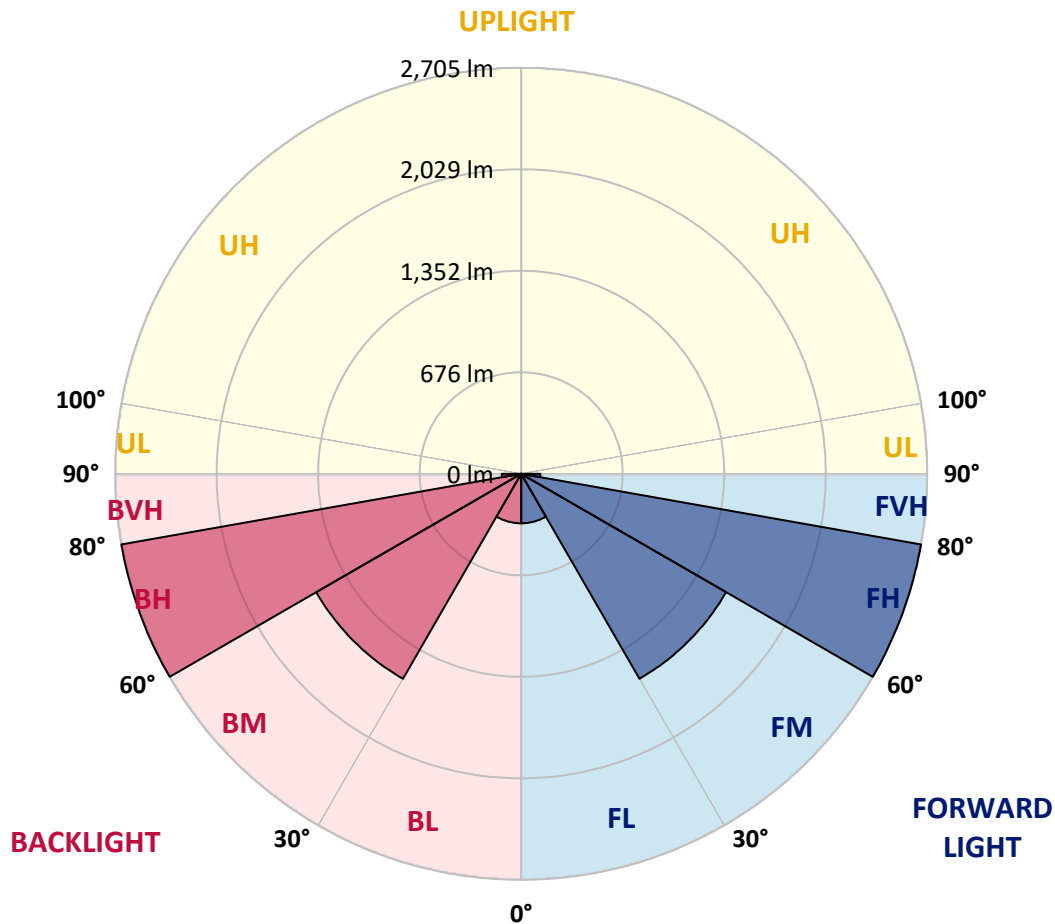
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 329.6  | 3.5       |                         |      |         |
| FM   | (30°-60°)   | 1576.6 | 16.6      |                         |      |         |
| FH   | (60°-80°)   | 2704.8 | 28.5      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 128.0  | 1.4       |                         |      | G2/225  |
| BL   | (0°-30°)    | 329.6  | 3.5       | B1/500                  |      |         |
| BM   | (30°-60°)   | 1576.6 | 16.6      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 2704.8 | 28.5      | B4/5000                 |      | G2/5000 |
| BVH  | (80°-90°)   | 128.0  | 1.4       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 801.0  | 801.0  | 801.0  | 801.0  | 801.0  | 801.0  | 801.0  | 801.0  | 801.0  | 801.0  | 801.0  |
| 2.5°  | 792.6  | 794.7  | 790.5  | 790.5  | 792.6  | 792.6  | 790.5  | 794.7  | 794.7  | 798.9  | 794.7  |
| 5°    | 775.7  | 777.8  | 775.7  | 775.7  | 775.7  | 777.8  | 777.8  | 779.9  | 779.9  | 782.0  | 784.1  |
| 7.5°  | 763.0  | 765.2  | 763.0  | 760.9  | 763.0  | 765.2  | 767.3  | 769.4  | 769.4  | 771.5  | 769.4  |
| 10°   | 760.9  | 763.0  | 758.8  | 754.6  | 752.5  | 754.6  | 752.5  | 760.9  | 765.2  | 767.3  | 769.4  |
| 12.5° | 765.2  | 767.3  | 763.0  | 754.6  | 750.4  | 752.5  | 752.5  | 756.7  | 765.2  | 769.4  | 771.5  |
| 15°   | 767.3  | 769.4  | 760.9  | 752.5  | 752.5  | 752.5  | 752.5  | 754.6  | 763.0  | 767.3  | 769.4  |
| 17.5° | 773.6  | 775.7  | 769.4  | 758.8  | 758.8  | 760.9  | 756.7  | 758.8  | 760.9  | 771.5  | 771.5  |
| 20°   | 779.9  | 784.1  | 771.5  | 767.3  | 767.3  | 765.2  | 763.0  | 765.2  | 769.4  | 779.9  | 775.7  |
| 22.5° | 796.8  | 794.7  | 786.2  | 782.0  | 777.8  | 773.6  | 771.5  | 775.7  | 779.9  | 788.3  | 786.2  |
| 25°   | 807.3  | 807.3  | 801.0  | 796.8  | 803.1  | 798.9  | 794.7  | 792.6  | 792.6  | 798.9  | 798.9  |
| 27.5° | 813.6  | 811.5  | 807.3  | 807.3  | 813.6  | 822.1  | 813.6  | 805.2  | 801.0  | 805.2  | 803.1  |
| 30°   | 830.5  | 832.6  | 824.2  | 824.2  | 828.4  | 832.6  | 828.4  | 822.1  | 817.9  | 826.3  | 828.4  |
| 32.5° | 860.0  | 862.1  | 853.7  | 849.5  | 851.6  | 864.2  | 853.7  | 845.3  | 849.5  | 857.9  | 855.8  |
| 35°   | 906.4  | 904.3  | 893.7  | 883.2  | 887.4  | 902.2  | 889.5  | 887.4  | 893.7  | 902.2  | 906.4  |
| 37.5° | 954.9  | 957.0  | 946.4  | 931.7  | 929.6  | 946.4  | 940.1  | 940.1  | 948.5  | 961.2  | 959.1  |
| 40°   | 1030.7 | 1028.6 | 1018.1 | 992.8  | 994.9  | 1005.5 | 1007.6 | 1011.8 | 1026.5 | 1032.9 | 1030.7 |
| 42.5° | 1113.0 | 1113.0 | 1098.2 | 1077.1 | 1079.2 | 1089.8 | 1091.9 | 1094.0 | 1104.5 | 1123.5 | 1117.2 |
| 45°   | 1224.7 | 1220.5 | 1203.6 | 1182.5 | 1180.4 | 1193.1 | 1195.2 | 1195.2 | 1209.9 | 1222.6 | 1218.3 |
| 47.5° | 1330.1 | 1332.2 | 1317.4 | 1300.6 | 1302.7 | 1315.3 | 1317.4 | 1311.1 | 1319.5 | 1332.2 | 1338.5 |
| 50°   | 1452.3 | 1452.3 | 1448.1 | 1429.1 | 1446.0 | 1460.8 | 1456.5 | 1454.4 | 1462.9 | 1465.0 | 1458.6 |
| 52.5° | 1589.3 | 1597.8 | 1591.4 | 1587.2 | 1614.6 | 1642.0 | 1637.8 | 1610.4 | 1606.2 | 1612.5 | 1606.2 |
| 55°   | 1758.0 | 1755.9 | 1762.2 | 1776.9 | 1825.4 | 1859.1 | 1842.3 | 1808.6 | 1793.8 | 1781.1 | 1785.4 |
| 57.5° | 1922.4 | 1935.0 | 1945.6 | 1981.4 | 2065.7 | 2135.3 | 2101.5 | 2032.0 | 1989.8 | 1964.5 | 1966.6 |
| 60°   | 2086.8 | 2103.7 | 2133.2 | 2204.8 | 2352.4 | 2447.2 | 2415.6 | 2291.3 | 2217.5 | 2179.5 | 2169.0 |
| 62.5° | 2282.8 | 2291.3 | 2322.9 | 2419.8 | 2632.7 | 2782.4 | 2708.6 | 2537.9 | 2440.9 | 2398.8 | 2379.8 |
| 65°   | 2491.5 | 2502.0 | 2544.2 | 2647.5 | 2927.8 | 3111.2 | 2995.3 | 2805.6 | 2681.2 | 2624.3 | 2605.3 |
| 67.5° | 2681.2 | 2708.6 | 2750.8 | 2881.5 | 3189.2 | 3345.2 | 3222.9 | 3050.1 | 2942.6 | 2864.6 | 2873.0 |
| 70°   | 2864.6 | 2875.1 | 2934.2 | 3052.2 | 3374.7 | 3532.8 | 3391.6 | 3273.5 | 3161.8 | 3081.7 | 3107.0 |
| 72.5° | 2611.6 | 2670.7 | 2801.4 | 3050.1 | 3448.5 | 3648.7 | 3490.6 | 3309.4 | 3147.0 | 3066.9 | 3069.1 |
| 75°   | 1892.9 | 1947.7 | 2084.7 | 2411.4 | 3185.0 | 3610.8 | 3389.5 | 3056.4 | 2782.4 | 2674.9 | 2658.0 |
| 77.5° | 1298.4 | 1287.9 | 1412.3 | 1675.8 | 2225.9 | 3048.0 | 2932.0 | 2367.1 | 1956.1 | 1715.8 | 1736.9 |
| 80°   | 354.1  | 375.2  | 545.9  | 916.9  | 1473.4 | 1762.2 | 1779.0 | 1250.0 | 779.9  | 573.3  | 567.0  |
| 82.5° | 82.2   | 88.5   | 130.7  | 225.5  | 545.9  | 952.8  | 562.8  | 295.1  | 202.4  | 134.9  | 99.1   |
| 85°   | 16.9   | 16.9   | 21.1   | 40.0   | 113.8  | 145.4  | 94.9   | 69.6   | 67.5   | 35.8   | 33.7   |
| 87.5° | 2.1    | 4.2    | 4.2    | 4.2    | 4.2    | 4.2    | 4.2    | 4.2    | 2.1    | 2.1    | 2.1    |
| 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)