

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: P529993

Luminaire Tested: **GLAN-SA5B-722-U-5WQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P529993  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA5B-722-U-5WQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 2200K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10927 lumens  
Efficiency: N/A  
Efficacy: 53.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

Input Watts (W): 204  
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

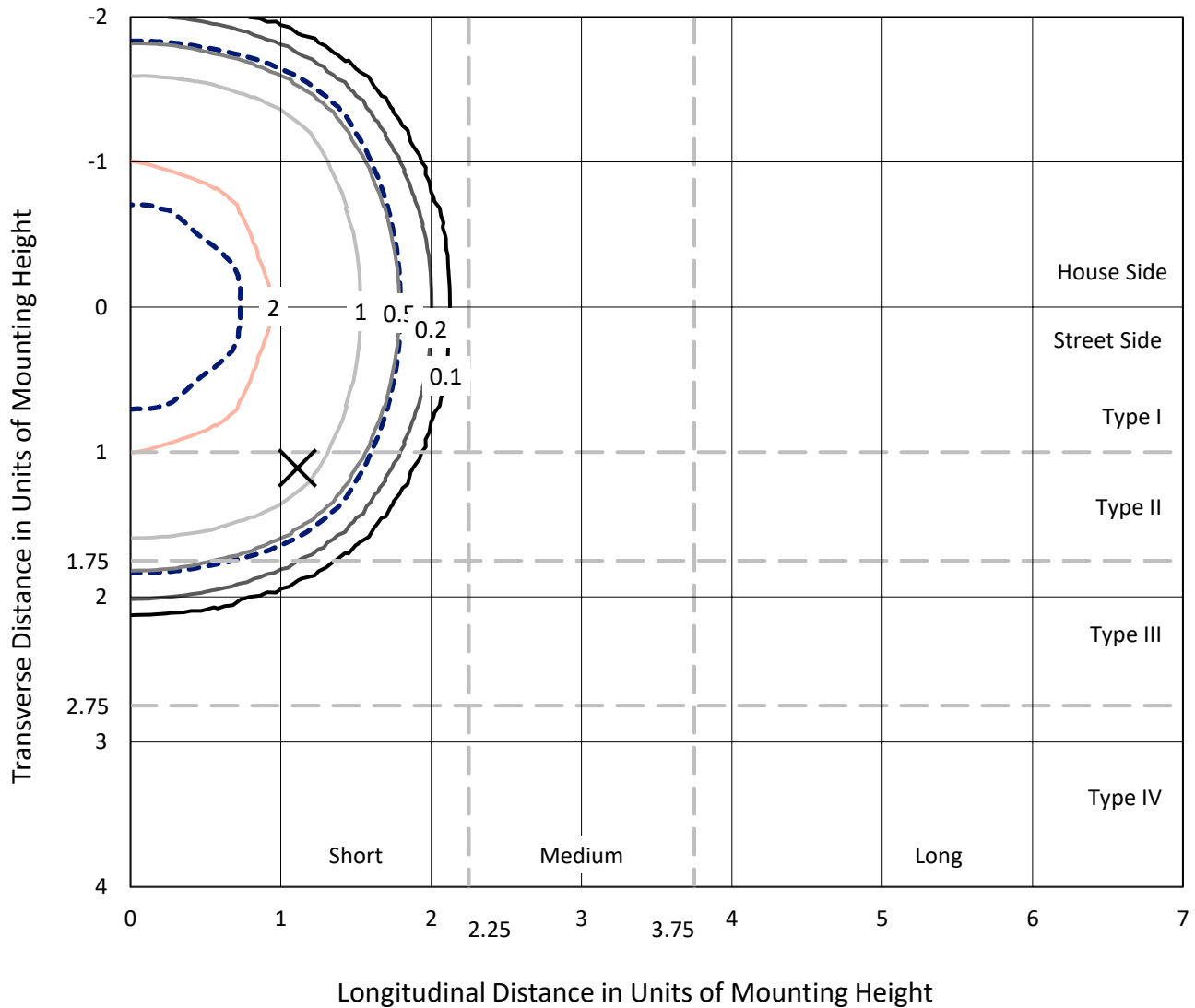


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## Iso-Footcandle Lines of Horizontal Illumination

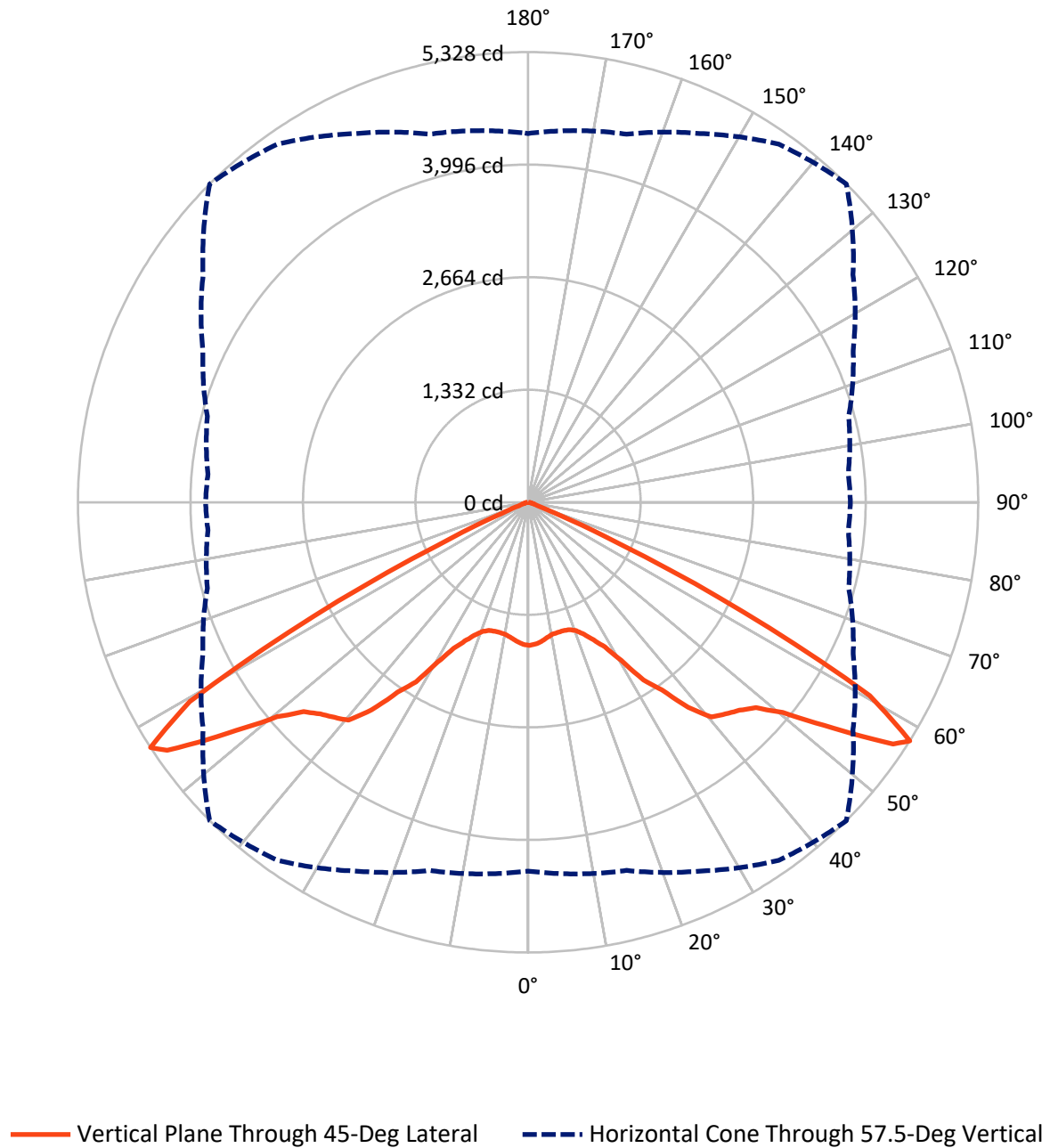
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc  
 Type V - Short - N/A

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## Luminous Intensity Polar Plot



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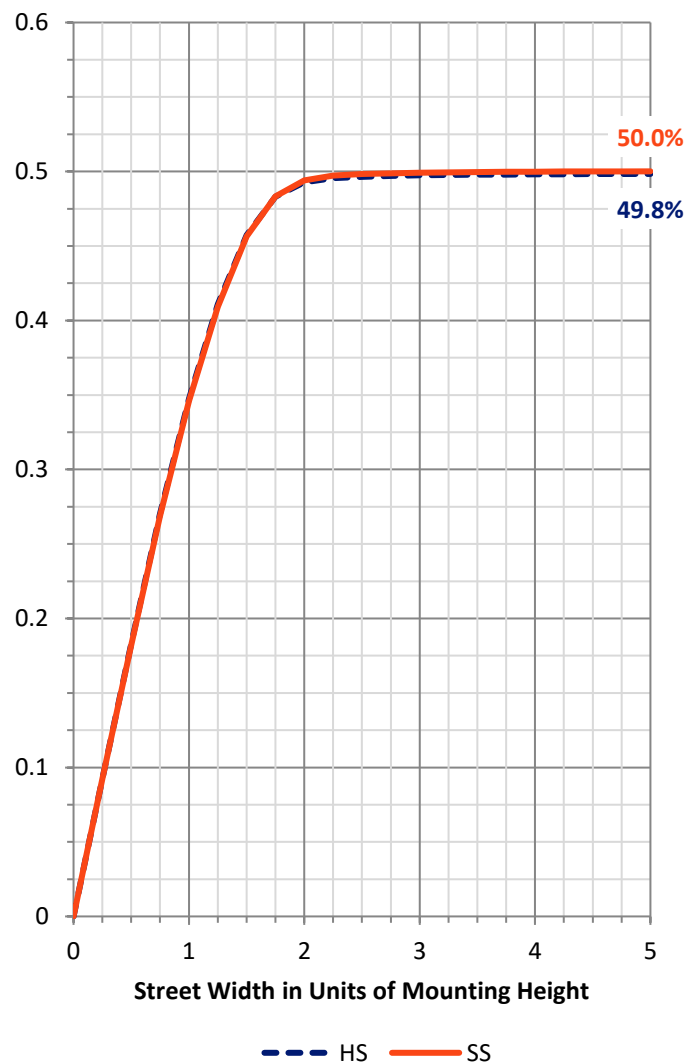
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5463.5   | 0.0    | 5463.5  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 5463.5   | 0.0    | 5463.5  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 10927.0  | 0.0    | 10927.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 155.7   | 1.4       |
| 10°-20°   | 450.2   | 4.1       |
| 20°-30°   | 831.0   | 7.6       |
| 30°-40°   | 1634.3  | 15.0      |
| 40°-50°   | 2661.8  | 24.4      |
| 50°-60°   | 3796.0  | 34.7      |
| 60°-70°   | 1314.3  | 12.0      |
| 70°-80°   | 70.5    | 0.6       |
| 80°-90°   | 13.2    | 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°    | 10927.0 | 100.0     |
| 0°-180°   | 10927.0 | 100.0     |

**Coefficient of Utilization**



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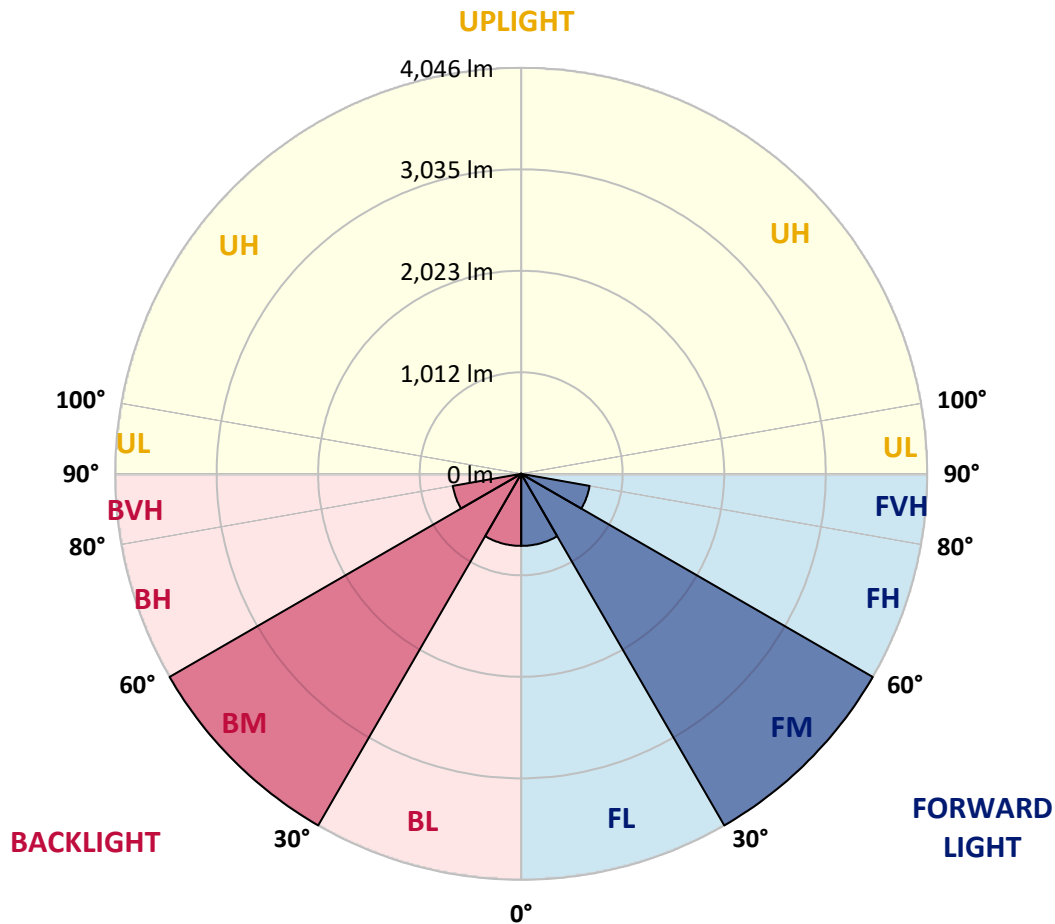
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 718.5  | 6.6       |                         |      |         |
| FM   | (30°-60°)   | 4046.0 | 37.0      |                         |      |         |
| FH   | (60°-80°)   | 692.4  | 6.3       |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 6.6    | 0.1       |                         |      | G0/10   |
| BL   | (0°-30°)    | 718.5  | 6.6       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 4046.0 | 37.0      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 692.4  | 6.3       | B2/1000                 |      | G1/1800 |
| BVH  | (80°-90°)   | 6.6    | 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-G1**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1694.9 | 1694.9 | 1694.9 | 1694.9 | 1694.9 | 1694.9 | 1694.9 | 1694.9 | 1694.9 | 1694.9 | 1694.9 |
| 2.5°  | 1690.3 | 1699.4 | 1688.1 | 1683.5 | 1681.2 | 1681.2 | 1674.4 | 1674.4 | 1672.1 | 1674.4 | 1665.3 |
| 5°    | 1663.0 | 1672.1 | 1672.1 | 1669.8 | 1656.2 | 1653.9 | 1647.1 | 1642.5 | 1644.8 | 1635.7 | 1642.5 |
| 7.5°  | 1635.7 | 1642.5 | 1633.4 | 1631.1 | 1626.5 | 1617.4 | 1615.2 | 1594.7 | 1596.9 | 1596.9 | 1601.5 |
| 10°   | 1631.1 | 1628.8 | 1615.2 | 1603.8 | 1590.1 | 1587.8 | 1581.0 | 1576.4 | 1576.4 | 1574.2 | 1581.0 |
| 12.5° | 1631.1 | 1619.7 | 1617.4 | 1592.4 | 1569.6 | 1578.7 | 1560.5 | 1549.1 | 1565.0 | 1569.6 | 1578.7 |
| 15°   | 1628.8 | 1640.2 | 1601.5 | 1590.1 | 1574.2 | 1576.4 | 1560.5 | 1549.1 | 1558.2 | 1562.8 | 1569.6 |
| 17.5° | 1642.5 | 1635.7 | 1624.3 | 1601.5 | 1594.7 | 1585.5 | 1565.0 | 1555.9 | 1555.9 | 1567.3 | 1569.6 |
| 20°   | 1678.9 | 1660.7 | 1637.9 | 1626.5 | 1633.4 | 1622.0 | 1596.9 | 1562.8 | 1571.9 | 1581.0 | 1587.8 |
| 22.5° | 1713.1 | 1699.4 | 1683.5 | 1676.7 | 1715.4 | 1697.2 | 1653.9 | 1615.2 | 1601.5 | 1617.4 | 1628.8 |
| 25°   | 1779.2 | 1779.2 | 1749.6 | 1758.7 | 1802.0 | 1804.2 | 1754.1 | 1685.8 | 1676.7 | 1683.5 | 1688.1 |
| 27.5° | 1913.6 | 1920.4 | 1895.4 | 1904.5 | 1922.7 | 1938.6 | 1895.4 | 1838.4 | 1817.9 | 1815.6 | 1822.5 |
| 30°   | 2059.4 | 2073.1 | 2070.8 | 2109.5 | 2161.9 | 2171.0 | 2107.2 | 2013.8 | 1952.3 | 1940.9 | 1950.0 |
| 32.5° | 2250.7 | 2257.6 | 2253.0 | 2298.6 | 2439.8 | 2505.9 | 2339.6 | 2207.5 | 2125.4 | 2146.0 | 2125.4 |
| 35°   | 2610.7 | 2603.8 | 2553.7 | 2562.8 | 2679.0 | 2726.9 | 2567.4 | 2483.1 | 2444.4 | 2485.4 | 2476.3 |
| 37.5° | 2920.5 | 2895.4 | 2854.4 | 2913.7 | 3034.4 | 3077.7 | 2911.4 | 2763.3 | 2692.7 | 2761.0 | 2790.6 |
| 40°   | 3182.5 | 3118.7 | 3061.7 | 3121.0 | 3282.7 | 3341.9 | 3098.2 | 2977.5 | 2950.1 | 3000.2 | 3064.0 |
| 42.5° | 3403.5 | 3362.4 | 3287.3 | 3291.8 | 3398.9 | 3426.2 | 3230.3 | 3159.7 | 3132.4 | 3212.1 | 3244.0 |
| 45°   | 3560.6 | 3521.9 | 3451.3 | 3446.7 | 3528.7 | 3510.5 | 3335.1 | 3287.3 | 3303.2 | 3355.6 | 3371.6 |
| 47.5° | 3640.4 | 3660.9 | 3619.9 | 3631.3 | 3674.5 | 3631.3 | 3492.3 | 3492.3 | 3455.8 | 3487.7 | 3471.8 |
| 50°   | 3870.5 | 3806.7 | 3859.1 | 3859.1 | 3904.6 | 3909.2 | 3770.2 | 3720.1 | 3622.1 | 3567.5 | 3567.5 |
| 52.5° | 4139.3 | 4143.8 | 4164.3 | 4239.5 | 4317.0 | 4383.0 | 4184.8 | 3970.7 | 3806.7 | 3736.1 | 3726.9 |
| 55°   | 4360.2 | 4405.8 | 4487.8 | 4629.1 | 4852.3 | 4943.4 | 4601.7 | 4219.0 | 4018.5 | 3909.2 | 3886.4 |
| 56°   | 4481.0 | 4437.7 | 4578.9 | 4772.6 | 5064.2 | 5182.6 | 4670.1 | 4269.1 | 4048.1 | 3925.1 | 3922.9 |
| 57.5° | 4364.8 | 4412.6 | 4510.6 | 4815.9 | 5173.5 | 5328.4 | 4695.1 | 4246.3 | 3929.7 | 3804.4 | 3815.8 |
| 60°   | 3446.7 | 3492.3 | 3624.4 | 3966.1 | 4526.5 | 4647.3 | 3973.0 | 3501.4 | 3218.9 | 3039.0 | 3041.2 |
| 62.5° | 1950.0 | 1984.2 | 2086.7 | 2403.4 | 2751.9 | 2868.1 | 2476.3 | 2161.9 | 1966.0 | 1865.7 | 1833.9 |
| 65°   | 717.6  | 703.9  | 719.9  | 881.6  | 1095.8 | 1193.7 | 1029.7 | 870.2  | 767.7  | 731.3  | 717.6  |
| 67.5° | 268.8  | 248.3  | 232.4  | 248.3  | 312.1  | 330.3  | 303.0  | 252.9  | 236.9  | 243.8  | 248.3  |
| 70°   | 166.3  | 157.2  | 125.3  | 118.5  | 116.2  | 113.9  | 120.7  | 127.6  | 145.8  | 170.9  | 175.4  |
| 72.5° | 116.2  | 109.3  | 88.8   | 84.3   | 79.7   | 77.5   | 88.8   | 98.0   | 113.9  | 132.1  | 134.4  |
| 75°   | 45.6   | 47.8   | 45.6   | 50.1   | 52.4   | 54.7   | 63.8   | 70.6   | 77.5   | 77.5   | 75.2   |
| 77.5° | 9.1    | 9.1    | 13.7   | 18.2   | 22.8   | 29.6   | 43.3   | 50.1   | 52.4   | 50.1   | 43.3   |
| 80°   | 0.0    | 0.0    | 4.6    | 9.1    | 18.2   | 25.1   | 38.7   | 43.3   | 47.8   | 43.3   | 34.2   |
| 82.5° | 0.0    | 0.0    | 4.6    | 11.4   | 18.2   | 22.8   | 36.4   | 45.6   | 52.4   | 47.8   | 36.4   |
| 85°   | 0.0    | 0.0    | 4.6    | 9.1    | 13.7   | 15.9   | 15.9   | 11.4   | 11.4   | 6.8    | 4.6    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 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)