

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: P528351

Luminaire Tested: **GLAN-SA3C-722-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528351  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA3C-722-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 2200K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9259 lumens  
Efficiency: N/A  
Efficacy: 57.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

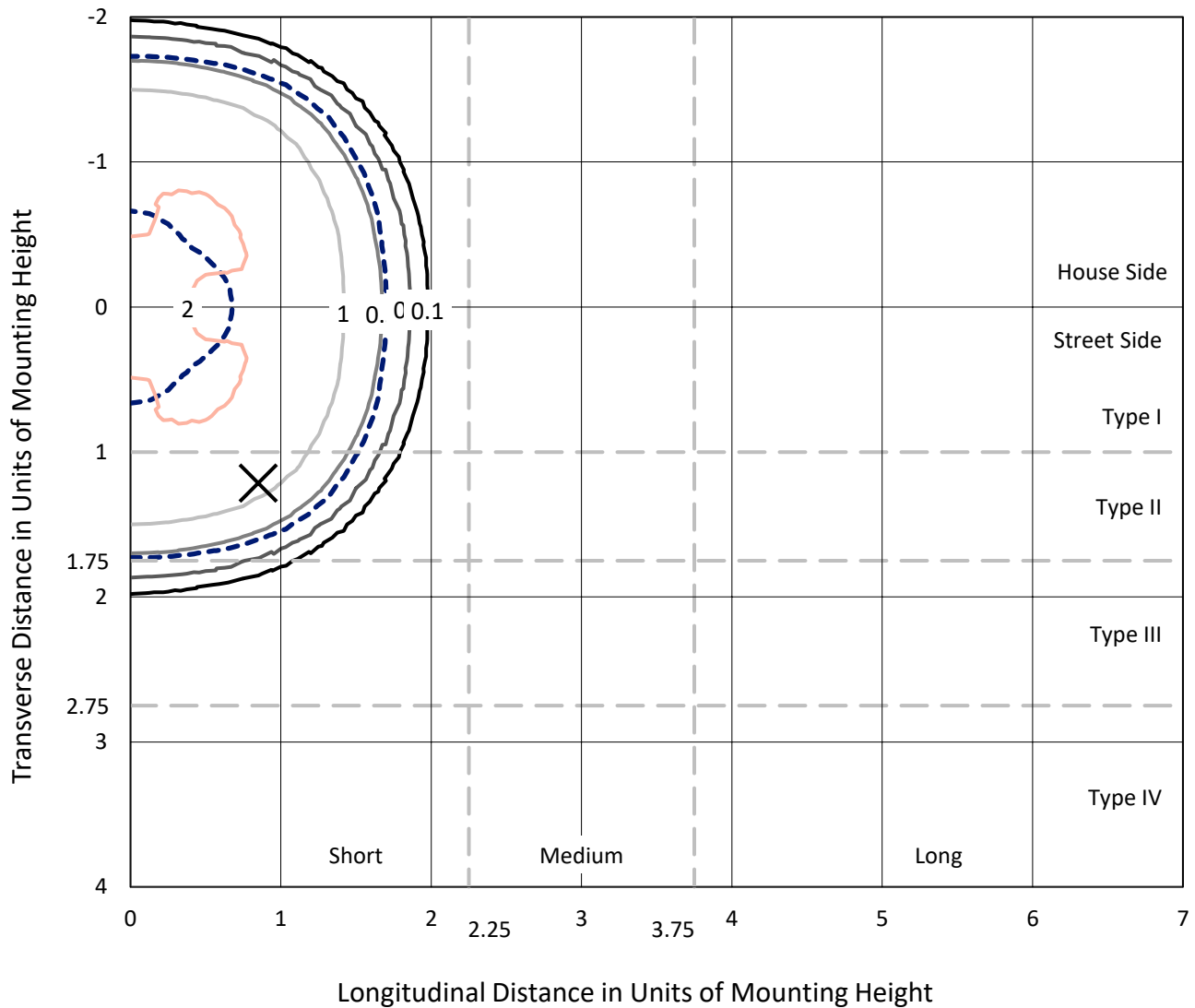
Input Watts (W): 160  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

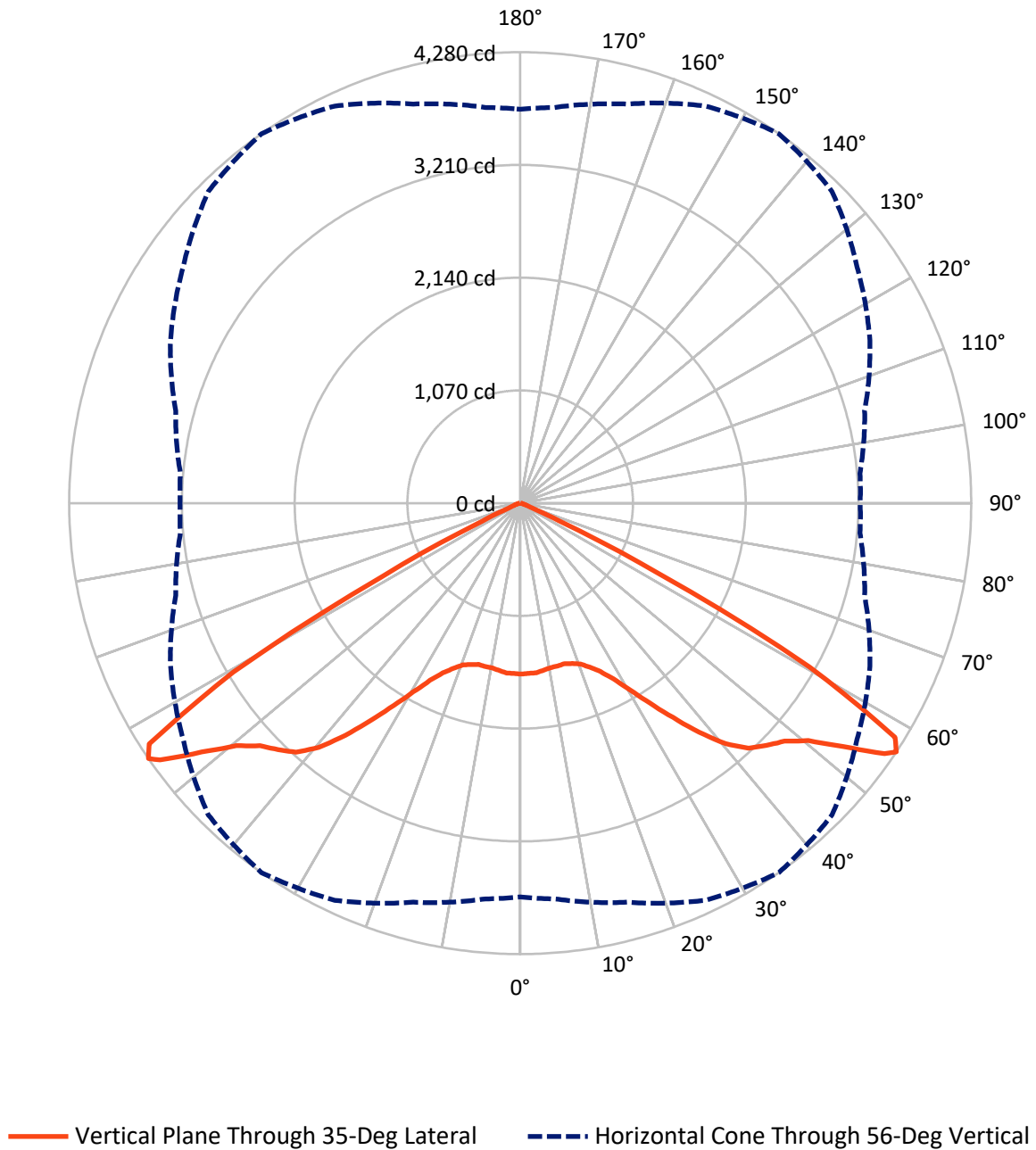
✕ Max cd  
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc  
 Type V - Short - N/A

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## Luminous Intensity Polar Plot



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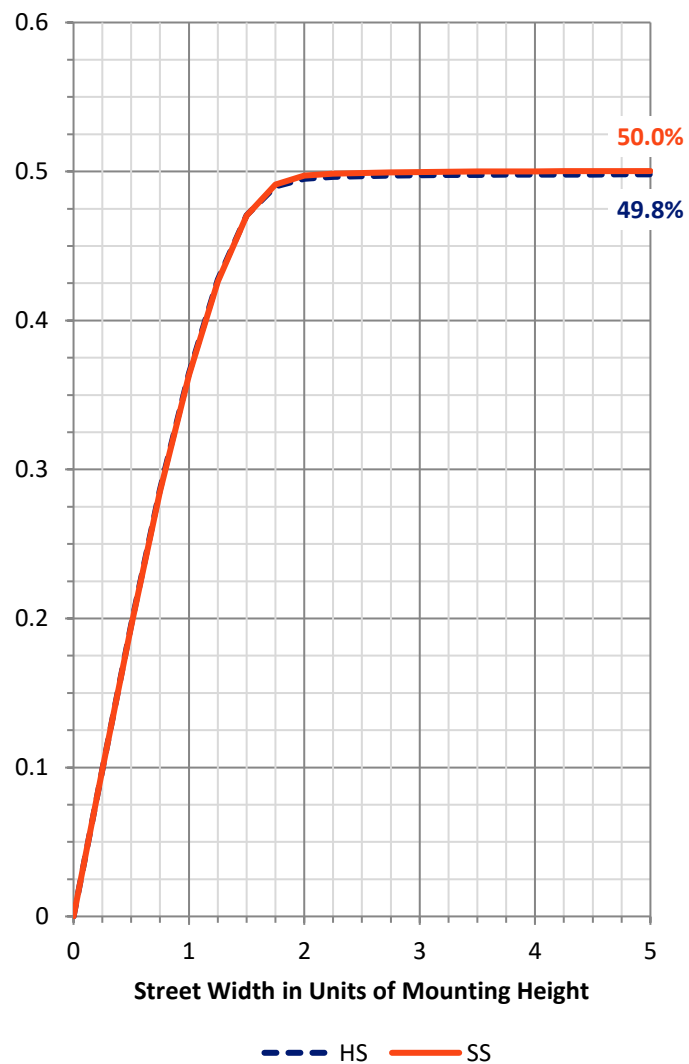
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 4629.5   | 0.0    | 4629.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 4629.5   | 0.0    | 4629.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 9259.0   | 0.0    | 9259.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 152.5  | 1.6       |
| 10°-20°   | 445.2  | 4.8       |
| 20°-30°   | 806.1  | 8.7       |
| 30°-40°   | 1494.9 | 16.1      |
| 40°-50°   | 2453.7 | 26.5      |
| 50°-60°   | 3161.1 | 34.1      |
| 60°-70°   | 696.7  | 7.5       |
| 70°-80°   | 40.4   | 0.4       |
| 80°-90°   | 8.5    | 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°    | 9259.0 | 100.0     |
| 0°-180°   | 9259.0 | 100.0     |

**Coefficient of Utilization**



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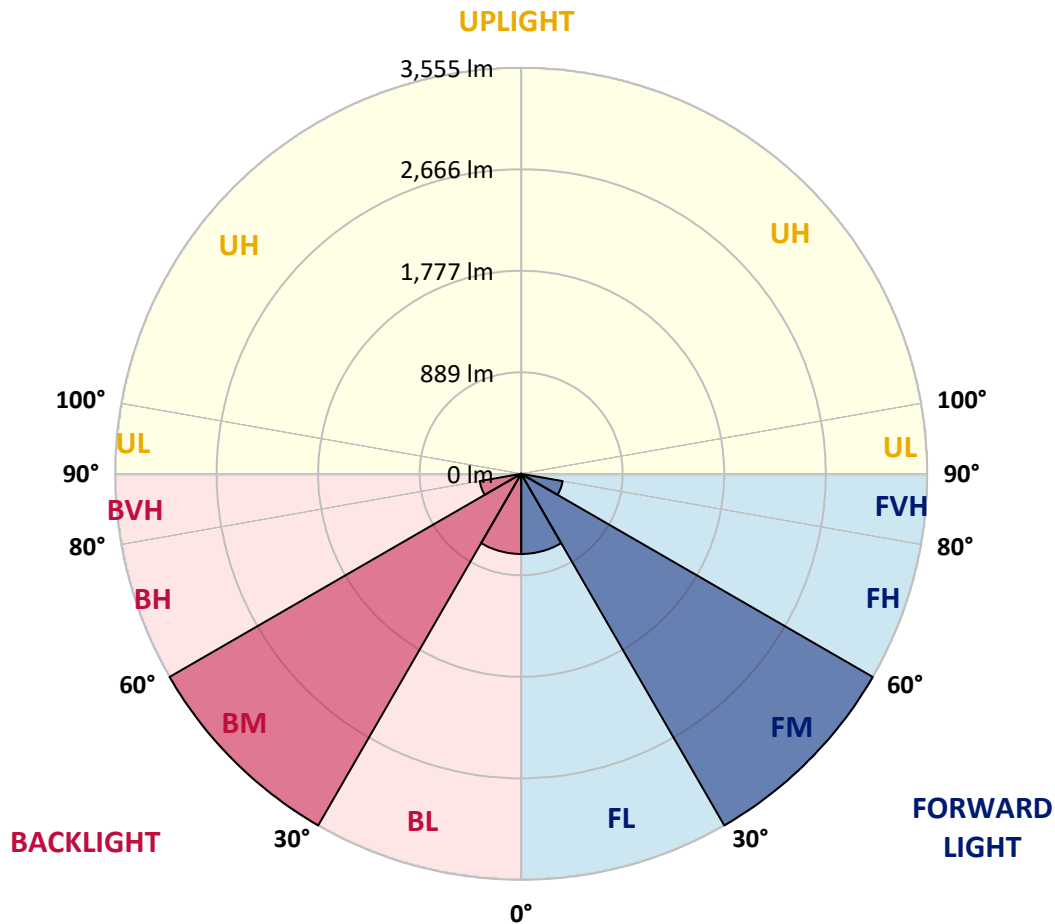
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 701.9  | 7.6       |                         |      |        |
| FM   | (30°-60°)   | 3554.8 | 38.4      |                         |      |        |
| FH   | (60°-80°)   | 368.5  | 4.0       |                         |      | G0/660 |
| FVH  | (80°-90°)   | 4.3    | 0.0       |                         |      | G0/10  |
| BL   | (0°-30°)    | 701.9  | 7.6       | B2/1000                 |      |        |
| BM   | (30°-60°)   | 3554.8 | 38.4      | B3/5000                 |      |        |
| BH   | (60°-80°)   | 368.5  | 4.0       | B1/500                  |      | G0/660 |
| BVH  | (80°-90°)   | 4.3    | 0.0       |                         |      | 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°    | 1622.4 | 1622.4 | 1622.4 | 1622.4 | 1622.4 | 1622.4 | 1622.4 | 1622.4 | 1622.4 | 1622.4 | 1622.4 |
| 2.5°  | 1625.7 | 1625.7 | 1627.4 | 1629.1 | 1617.3 | 1612.3 | 1614.0 | 1610.6 | 1609.0 | 1614.0 | 1614.0 |
| 5°    | 1620.7 | 1620.7 | 1615.7 | 1617.3 | 1617.3 | 1602.2 | 1602.2 | 1605.6 | 1605.6 | 1595.5 | 1592.2 |
| 7.5°  | 1607.3 | 1603.9 | 1597.2 | 1605.6 | 1600.6 | 1600.6 | 1588.8 | 1580.4 | 1577.1 | 1583.8 | 1577.1 |
| 10°   | 1578.8 | 1580.4 | 1587.1 | 1590.5 | 1587.1 | 1597.2 | 1577.1 | 1565.3 | 1553.6 | 1548.6 | 1548.6 |
| 12.5° | 1565.3 | 1575.4 | 1565.3 | 1573.7 | 1585.5 | 1577.1 | 1565.3 | 1556.9 | 1540.2 | 1533.5 | 1533.5 |
| 15°   | 1563.7 | 1570.4 | 1573.7 | 1585.5 | 1580.4 | 1583.8 | 1560.3 | 1550.2 | 1525.1 | 1513.3 | 1508.3 |
| 17.5° | 1562.0 | 1570.4 | 1575.4 | 1597.2 | 1600.6 | 1602.2 | 1583.8 | 1553.6 | 1531.8 | 1520.0 | 1508.3 |
| 20°   | 1580.4 | 1583.8 | 1593.9 | 1615.7 | 1629.1 | 1652.6 | 1619.0 | 1587.1 | 1540.2 | 1526.7 | 1521.7 |
| 22.5° | 1603.9 | 1620.7 | 1630.8 | 1654.3 | 1689.5 | 1709.6 | 1666.0 | 1625.7 | 1577.1 | 1560.3 | 1540.2 |
| 25°   | 1679.4 | 1676.1 | 1692.8 | 1741.5 | 1770.0 | 1785.1 | 1749.9 | 1691.2 | 1627.4 | 1607.3 | 1610.6 |
| 27.5° | 1773.4 | 1776.7 | 1791.8 | 1845.5 | 1887.5 | 1910.9 | 1869.0 | 1791.8 | 1729.8 | 1696.2 | 1692.8 |
| 30°   | 1895.8 | 1892.5 | 1909.3 | 1981.4 | 2056.9 | 2092.1 | 2018.3 | 1927.7 | 1867.3 | 1823.7 | 1833.8 |
| 32.5° | 2025.0 | 2026.7 | 2073.7 | 2139.1 | 2261.6 | 2330.4 | 2211.3 | 2100.5 | 2009.9 | 1979.7 | 1964.6 |
| 35°   | 2216.3 | 2224.7 | 2261.6 | 2362.3 | 2498.2 | 2587.1 | 2456.2 | 2323.7 | 2219.7 | 2164.3 | 2171.0 |
| 37.5° | 2452.9 | 2444.5 | 2506.5 | 2615.6 | 2758.2 | 2823.6 | 2712.9 | 2561.9 | 2456.2 | 2419.3 | 2442.8 |
| 40°   | 2704.5 | 2712.9 | 2744.8 | 2843.8 | 3003.2 | 3046.8 | 2882.4 | 2800.2 | 2707.9 | 2689.4 | 2717.9 |
| 42.5° | 2956.2 | 2951.1 | 2974.6 | 3063.6 | 3179.3 | 3149.1 | 3051.8 | 3003.2 | 2937.7 | 2900.8 | 2939.4 |
| 45°   | 3140.7 | 3132.3 | 3176.0 | 3236.4 | 3278.3 | 3221.3 | 3177.6 | 3160.9 | 3127.3 | 3087.0 | 3122.3 |
| 47.5° | 3320.3 | 3313.5 | 3355.5 | 3372.3 | 3375.6 | 3300.1 | 3308.5 | 3338.7 | 3254.8 | 3170.9 | 3211.2 |
| 50°   | 3472.9 | 3461.2 | 3513.2 | 3550.1 | 3541.7 | 3420.9 | 3451.1 | 3420.9 | 3290.1 | 3191.1 | 3176.0 |
| 52.5° | 3727.9 | 3733.0 | 3788.3 | 3855.4 | 3835.3 | 3734.7 | 3691.0 | 3553.5 | 3385.7 | 3296.8 | 3244.8 |
| 55°   | 3889.0 | 3863.8 | 3959.5 | 4172.5 | 4196.0 | 4092.0 | 3899.1 | 3696.1 | 3444.4 | 3335.3 | 3321.9 |
| 56°   | 3738.0 | 3769.9 | 3920.9 | 4159.1 | 4279.9 | 4184.3 | 3904.1 | 3660.8 | 3384.0 | 3236.4 | 3226.3 |
| 57.5° | 3353.8 | 3337.0 | 3541.7 | 3867.2 | 4196.0 | 4155.8 | 3766.5 | 3409.2 | 3087.0 | 2920.9 | 2900.8 |
| 60°   | 2087.1 | 2135.8 | 2315.3 | 2717.9 | 3157.5 | 3177.6 | 2791.8 | 2484.7 | 2108.9 | 1961.3 | 1996.5 |
| 62.5° | 817.1  | 775.1  | 887.5  | 1187.8 | 1489.8 | 1556.9 | 1411.0 | 1172.7 | 963.0  | 817.1  | 807.0  |
| 65°   | 189.6  | 184.6  | 208.0  | 286.9  | 401.0  | 464.7  | 441.2  | 317.1  | 233.2  | 221.5  | 204.7  |
| 67.5° | 107.4  | 107.4  | 102.3  | 102.3  | 112.4  | 119.1  | 114.1  | 112.4  | 117.4  | 122.5  | 120.8  |
| 70°   | 75.5   | 73.8   | 70.5   | 72.1   | 68.8   | 68.8   | 73.8   | 82.2   | 88.9   | 88.9   | 90.6   |
| 72.5° | 45.3   | 45.3   | 45.3   | 50.3   | 50.3   | 50.3   | 55.4   | 62.1   | 63.8   | 62.1   | 60.4   |
| 75°   | 20.1   | 20.1   | 23.5   | 28.5   | 31.9   | 33.6   | 38.6   | 41.9   | 45.3   | 41.9   | 38.6   |
| 77.5° | 5.0    | 5.0    | 8.4    | 11.7   | 15.1   | 18.5   | 25.2   | 30.2   | 31.9   | 30.2   | 25.2   |
| 80°   | 1.7    | 1.7    | 3.4    | 8.4    | 15.1   | 18.5   | 25.2   | 26.8   | 28.5   | 25.2   | 20.1   |
| 82.5° | 1.7    | 1.7    | 3.4    | 8.4    | 11.7   | 15.1   | 20.1   | 23.5   | 25.2   | 21.8   | 20.1   |
| 85°   | 0.0    | 1.7    | 3.4    | 6.7    | 10.1   | 13.4   | 13.4   | 10.1   | 8.4    | 5.0    | 6.7    |
| 87.5° | 0.0    | 0.0    | 1.7    | 1.7    | 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)