

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: P527467

Luminaire Tested: **GLAN-SA2C-730-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527467  
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-SA2C-730-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 3000K, 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: 7727 lumens  
Efficiency: N/A  
Efficacy: 71.5 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): 108  
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



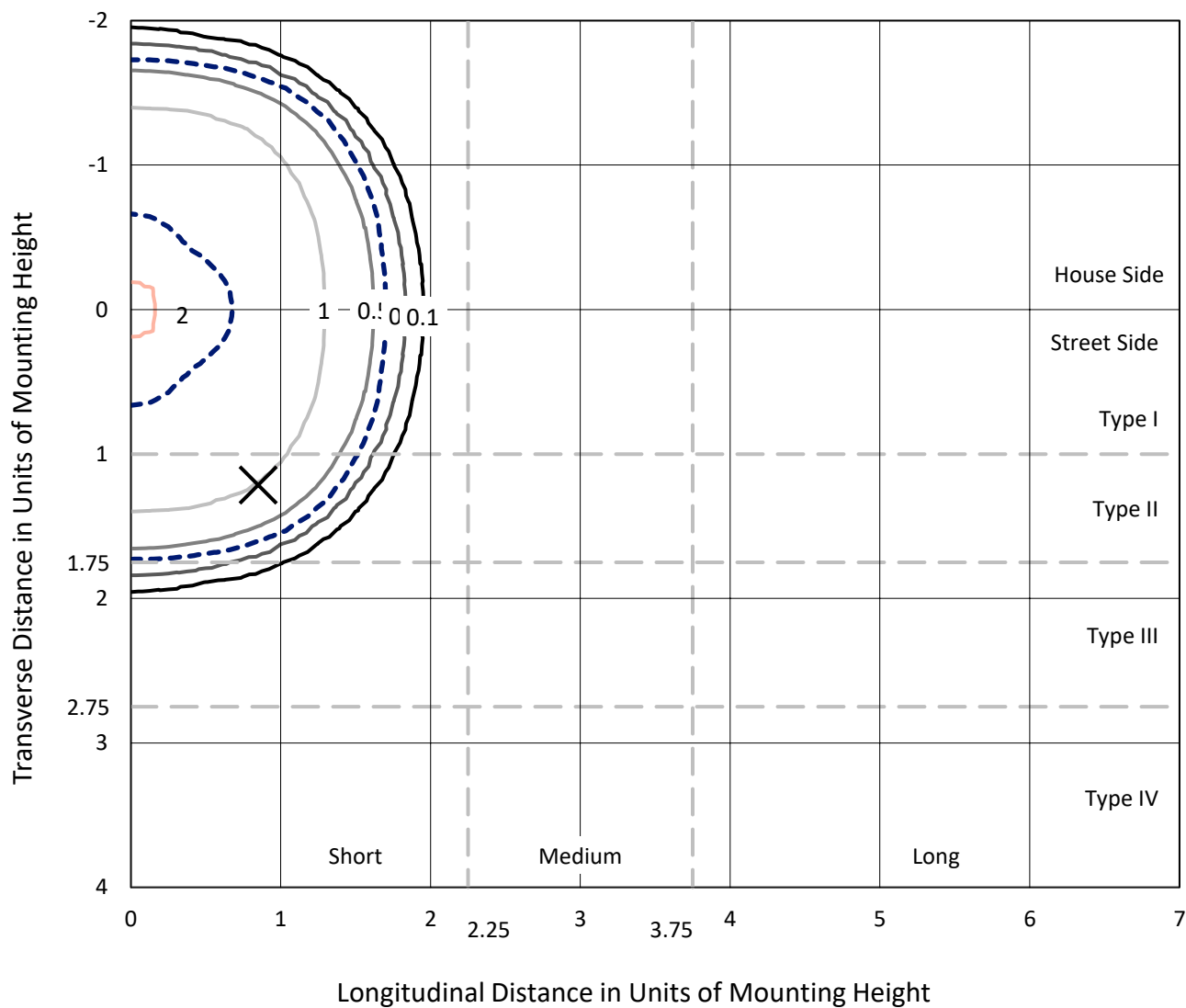
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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

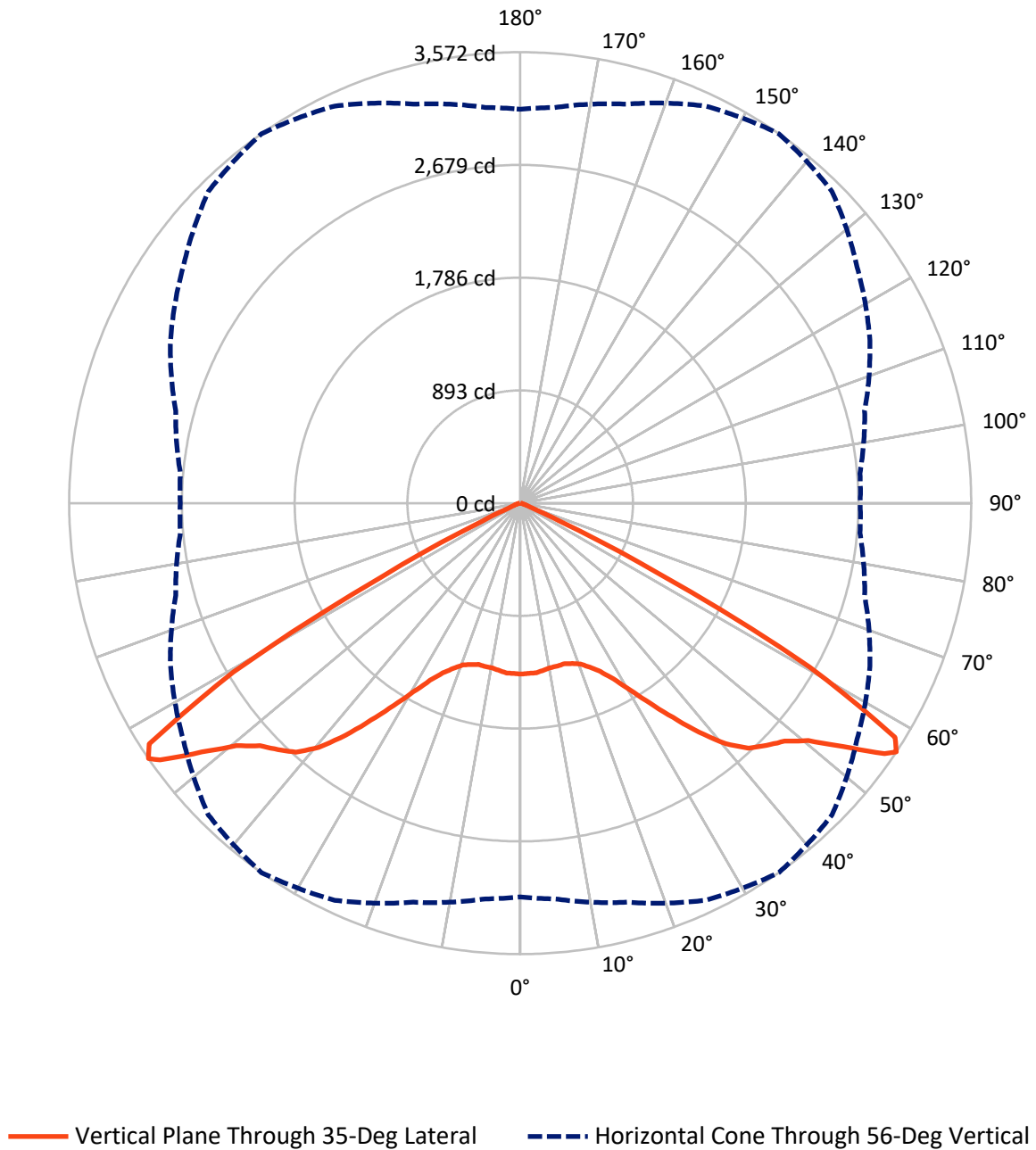
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc  
 Type V - Short - N/A

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## Luminous Intensity Polar Plot



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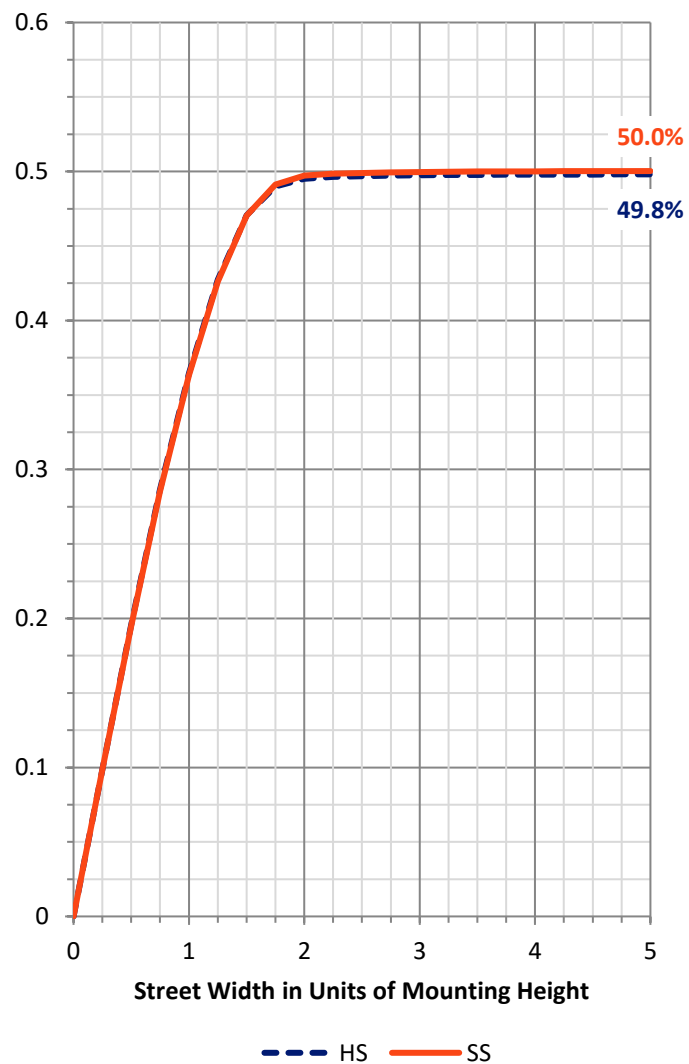
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 3863.5   | 0.0    | 3863.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 3863.5   | 0.0    | 3863.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 7727.0   | 0.0    | 7727.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 127.2  | 1.6       |
| 10°-20°   | 371.5  | 4.8       |
| 20°-30°   | 672.7  | 8.7       |
| 30°-40°   | 1247.5 | 16.1      |
| 40°-50°   | 2047.7 | 26.5      |
| 50°-60°   | 2638.1 | 34.1      |
| 60°-70°   | 581.4  | 7.5       |
| 70°-80°   | 33.7   | 0.4       |
| 80°-90°   | 7.1    | 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°    | 7727.0 | 100.0     |
| 0°-180°   | 7727.0 | 100.0     |

**Coefficient of Utilization**



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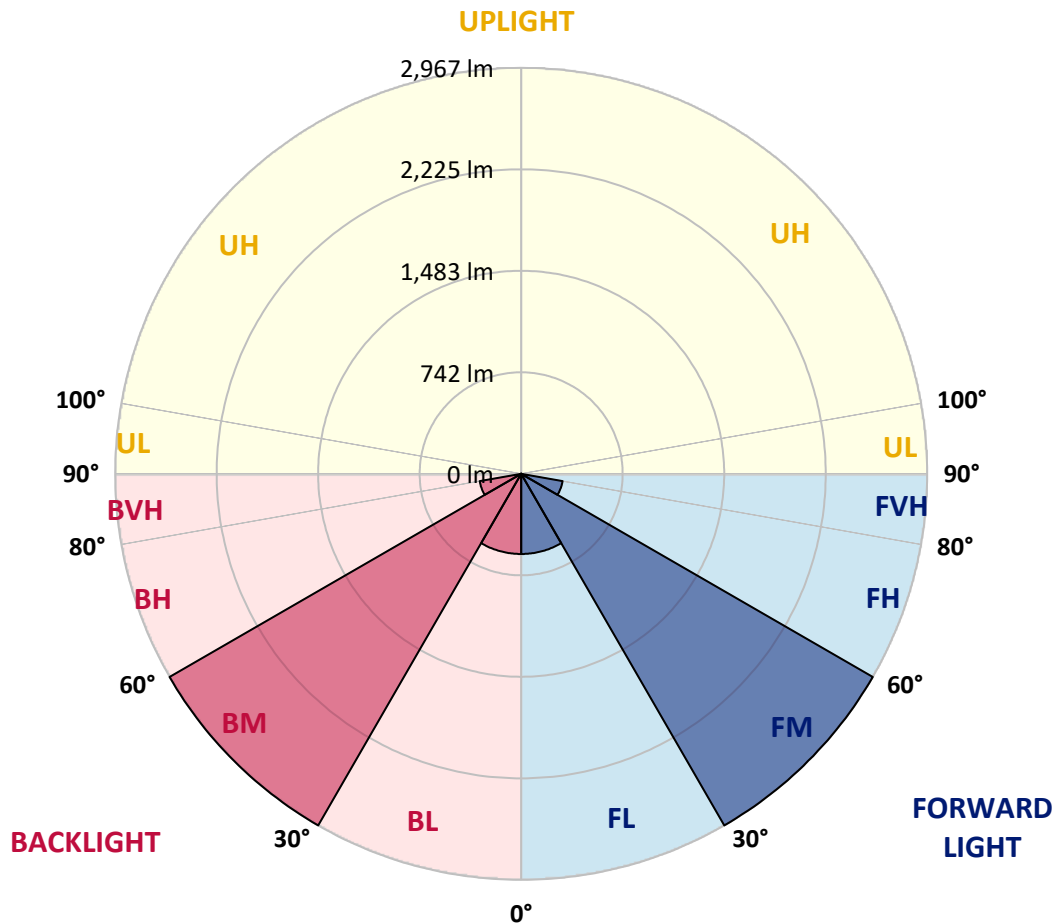
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 585.7  | 7.6       |                         |      |        |
| FM   | (30°-60°)   | 2966.6 | 38.4      |                         |      |        |
| FH   | (60°-80°)   | 307.6  | 4.0       |                         |      | G0/660 |
| FVH  | (80°-90°)   | 3.5    | 0.0       |                         |      | G0/10  |
| BL   | (0°-30°)    | 585.7  | 7.6       | B2/1000                 |      |        |
| BM   | (30°-60°)   | 2966.6 | 38.4      | B3/5000                 |      |        |
| BH   | (60°-80°)   | 307.6  | 4.0       | B1/500                  |      | G0/660 |
| BVH  | (80°-90°)   | 3.5    | 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°    | 1353.9 | 1353.9 | 1353.9 | 1353.9 | 1353.9 | 1353.9 | 1353.9 | 1353.9 | 1353.9 | 1353.9 | 1353.9 |
| 2.5°  | 1356.7 | 1356.7 | 1358.1 | 1359.5 | 1349.7 | 1345.5 | 1346.9 | 1344.1 | 1342.7 | 1346.9 | 1346.9 |
| 5°    | 1352.5 | 1352.5 | 1348.3 | 1349.7 | 1349.7 | 1337.1 | 1337.1 | 1339.9 | 1339.9 | 1331.5 | 1328.7 |
| 7.5°  | 1341.3 | 1338.5 | 1332.9 | 1339.9 | 1335.7 | 1335.7 | 1325.9 | 1318.9 | 1316.1 | 1321.7 | 1316.1 |
| 10°   | 1317.5 | 1318.9 | 1324.5 | 1327.3 | 1324.5 | 1332.9 | 1316.1 | 1306.3 | 1296.5 | 1292.3 | 1292.3 |
| 12.5° | 1306.3 | 1314.7 | 1306.3 | 1313.3 | 1323.1 | 1316.1 | 1306.3 | 1299.3 | 1285.3 | 1279.7 | 1279.7 |
| 15°   | 1304.9 | 1310.5 | 1313.3 | 1323.1 | 1318.9 | 1321.7 | 1302.1 | 1293.7 | 1272.7 | 1262.9 | 1258.7 |
| 17.5° | 1303.5 | 1310.5 | 1314.7 | 1332.9 | 1335.7 | 1337.1 | 1321.7 | 1296.5 | 1278.3 | 1268.5 | 1258.7 |
| 20°   | 1318.9 | 1321.7 | 1330.1 | 1348.3 | 1359.5 | 1379.1 | 1351.1 | 1324.5 | 1285.3 | 1274.1 | 1269.9 |
| 22.5° | 1338.5 | 1352.5 | 1360.9 | 1380.5 | 1409.9 | 1426.7 | 1390.3 | 1356.7 | 1316.1 | 1302.1 | 1285.3 |
| 25°   | 1401.5 | 1398.7 | 1412.7 | 1453.3 | 1477.1 | 1489.8 | 1460.3 | 1411.3 | 1358.1 | 1341.3 | 1344.1 |
| 27.5° | 1479.9 | 1482.7 | 1495.4 | 1540.2 | 1575.2 | 1594.8 | 1559.8 | 1495.4 | 1443.5 | 1415.5 | 1412.7 |
| 30°   | 1582.2 | 1579.4 | 1593.4 | 1653.6 | 1716.6 | 1746.0 | 1684.4 | 1608.8 | 1558.4 | 1522.0 | 1530.4 |
| 32.5° | 1690.0 | 1691.4 | 1730.6 | 1785.2 | 1887.4 | 1944.8 | 1845.4 | 1753.0 | 1677.4 | 1652.2 | 1639.6 |
| 35°   | 1849.6 | 1856.6 | 1887.4 | 1971.4 | 2084.8 | 2159.0 | 2049.8 | 1939.2 | 1852.4 | 1806.2 | 1811.8 |
| 37.5° | 2047.0 | 2040.0 | 2091.8 | 2182.8 | 2301.8 | 2356.4 | 2264.0 | 2138.0 | 2049.8 | 2019.0 | 2038.6 |
| 40°   | 2257.0 | 2264.0 | 2290.6 | 2373.2 | 2506.3 | 2542.7 | 2405.4 | 2336.8 | 2259.8 | 2244.4 | 2268.2 |
| 42.5° | 2467.0 | 2462.8 | 2482.5 | 2556.7 | 2653.3 | 2628.1 | 2546.9 | 2506.3 | 2451.6 | 2420.8 | 2453.0 |
| 45°   | 2621.1 | 2614.1 | 2650.5 | 2700.9 | 2735.9 | 2688.3 | 2651.9 | 2637.9 | 2609.9 | 2576.3 | 2605.7 |
| 47.5° | 2770.9 | 2765.3 | 2800.3 | 2814.3 | 2817.1 | 2754.1 | 2761.1 | 2786.3 | 2716.3 | 2646.3 | 2679.9 |
| 50°   | 2898.3 | 2888.5 | 2931.9 | 2962.7 | 2955.7 | 2854.9 | 2880.1 | 2854.9 | 2745.7 | 2663.1 | 2650.5 |
| 52.5° | 3111.1 | 3115.3 | 3161.5 | 3217.5 | 3200.7 | 3116.7 | 3080.3 | 2965.5 | 2825.5 | 2751.3 | 2707.9 |
| 55°   | 3245.5 | 3224.5 | 3304.3 | 3482.2 | 3501.8 | 3414.9 | 3253.9 | 3084.5 | 2874.5 | 2783.5 | 2772.3 |
| 56°   | 3119.5 | 3146.1 | 3272.1 | 3471.0 | 3571.8 | 3492.0 | 3258.1 | 3055.1 | 2824.1 | 2700.9 | 2692.5 |
| 57.5° | 2798.9 | 2784.9 | 2955.7 | 3227.3 | 3501.8 | 3468.1 | 3143.3 | 2845.1 | 2576.3 | 2437.6 | 2420.8 |
| 60°   | 1741.8 | 1782.4 | 1932.2 | 2268.2 | 2635.1 | 2651.9 | 2329.8 | 2073.6 | 1760.0 | 1636.8 | 1666.2 |
| 62.5° | 681.9  | 646.9  | 740.7  | 991.3  | 1243.3 | 1299.3 | 1177.5 | 978.7  | 803.7  | 681.9  | 673.5  |
| 65°   | 158.2  | 154.0  | 173.6  | 239.4  | 334.6  | 387.8  | 368.2  | 264.6  | 194.6  | 184.8  | 170.8  |
| 67.5° | 89.6   | 89.6   | 85.4   | 85.4   | 93.8   | 99.4   | 95.2   | 93.8   | 98.0   | 102.2  | 100.8  |
| 70°   | 63.0   | 61.6   | 58.8   | 60.2   | 57.4   | 57.4   | 61.6   | 68.6   | 74.2   | 74.2   | 75.6   |
| 72.5° | 37.8   | 37.8   | 37.8   | 42.0   | 42.0   | 42.0   | 46.2   | 51.8   | 53.2   | 51.8   | 50.4   |
| 75°   | 16.8   | 16.8   | 19.6   | 23.8   | 26.6   | 28.0   | 32.2   | 35.0   | 37.8   | 35.0   | 32.2   |
| 77.5° | 4.2    | 4.2    | 7.0    | 9.8    | 12.6   | 15.4   | 21.0   | 25.2   | 26.6   | 25.2   | 21.0   |
| 80°   | 1.4    | 1.4    | 2.8    | 7.0    | 12.6   | 15.4   | 21.0   | 22.4   | 23.8   | 21.0   | 16.8   |
| 82.5° | 1.4    | 1.4    | 2.8    | 7.0    | 9.8    | 12.6   | 16.8   | 19.6   | 21.0   | 18.2   | 16.8   |
| 85°   | 0.0    | 1.4    | 2.8    | 5.6    | 8.4    | 11.2   | 11.2   | 8.4    | 7.0    | 4.2    | 5.6    |
| 87.5° | 0.0    | 0.0    | 1.4    | 1.4    | 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)