

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: P526767

Luminaire Tested: **GLAN-SA1D-730-U-5NQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526767  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA1D-730-U-5NQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4897 lumens  
Efficiency: N/A  
Efficacy: 75.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0

Input Watts (W): 65  
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



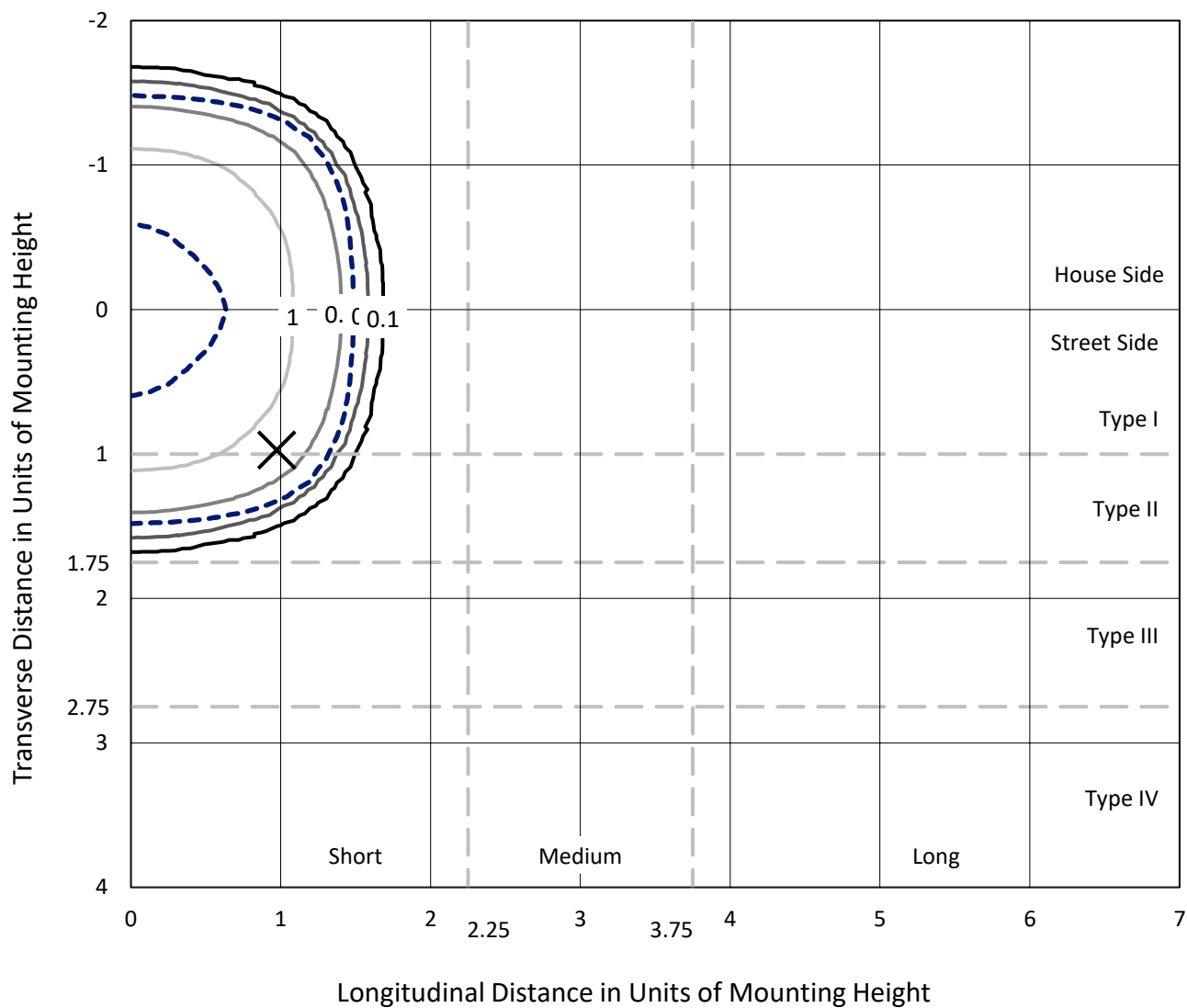
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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

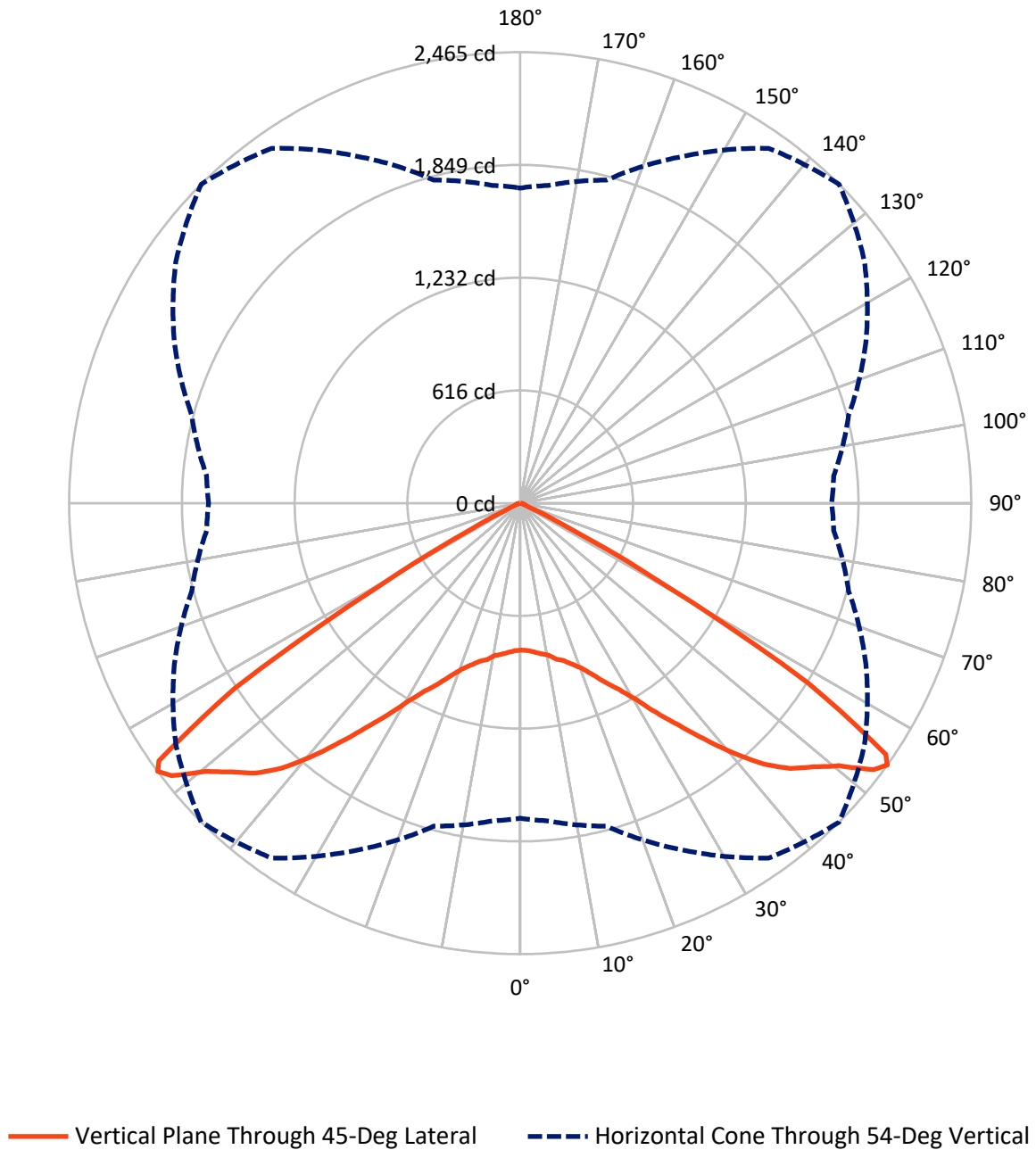


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc

Type V - Short - N/A

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## Luminous Intensity Polar Plot



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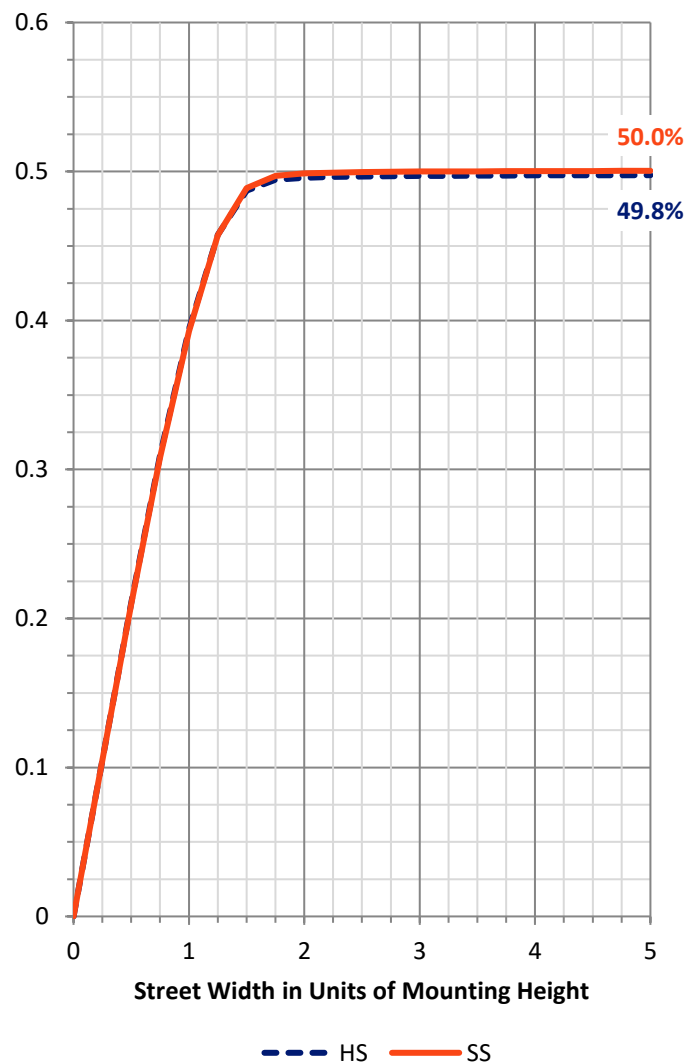
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2448.5   | 0.0    | 2448.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 2448.5   | 0.0    | 2448.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 4897.0   | 0.0    | 4897.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 78.6   | 1.6       |
| 10°-20°   | 254.5  | 5.2       |
| 20°-30°   | 498.8  | 10.2      |
| 30°-40°   | 897.0  | 18.3      |
| 40°-50°   | 1535.5 | 31.4      |
| 50°-60°   | 1485.7 | 30.3      |
| 60°-70°   | 127.2  | 2.6       |
| 70°-80°   | 15.1   | 0.3       |
| 80°-90°   | 4.7    | 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°    | 4897.0 | 100.0     |
| 0°-180°   | 4897.0 | 100.0     |

**Coefficient of Utilization**



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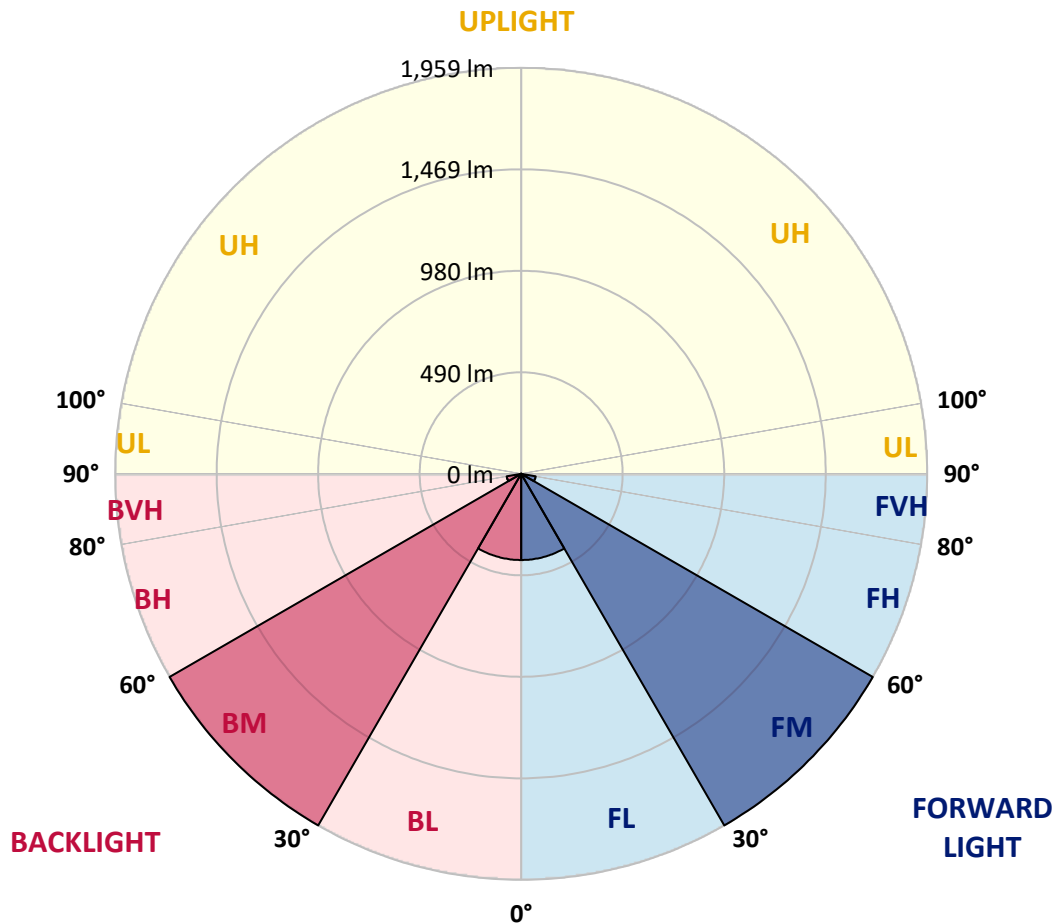
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 416.0  | 8.5       |                         |      |        |
| FM   | (30°-60°)   | 1959.1 | 40.0      |                         |      |        |
| FH   | (60°-80°)   | 71.1   | 1.5       |                         |      | G0/660 |
| FVH  | (80°-90°)   | 2.4    | 0.0       |                         |      | G0/10  |
| BL   | (0°-30°)    | 416.0  | 8.5       | B1/500                  |      |        |
| BM   | (30°-60°)   | 1959.1 | 40.0      | B2/2500                 |      |        |
| BH   | (60°-80°)   | 71.1   | 1.5       | B0/110                  |      | G0/660 |
| BVH  | (80°-90°)   | 2.4    | 0.0       |                         |      | G0/10  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |        |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |        |

**BUG Rating: B2-U0-G0**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 803.0  | 803.0  | 803.0  | 803.0  | 803.0  | 803.0  | 803.0  | 803.0  | 803.0  | 803.0  | 803.0  |
| 2.5°  | 806.8  | 811.5  | 808.4  | 810.7  | 810.7  | 806.8  | 809.2  | 799.9  | 806.1  | 801.4  | 802.2  |
| 5°    | 819.2  | 818.5  | 818.5  | 819.2  | 816.1  | 817.7  | 814.6  | 811.5  | 809.2  | 806.1  | 815.4  |
| 7.5°  | 834.8  | 834.8  | 829.3  | 830.9  | 829.3  | 831.7  | 825.5  | 819.2  | 816.9  | 814.6  | 813.0  |
| 10°   | 849.5  | 848.0  | 845.6  | 852.6  | 847.2  | 844.1  | 841.0  | 837.1  | 828.6  | 825.5  | 822.4  |
| 12.5° | 871.2  | 870.5  | 867.3  | 874.3  | 871.2  | 874.3  | 862.7  | 852.6  | 851.1  | 841.0  | 846.4  |
| 15°   | 896.8  | 903.8  | 898.4  | 898.4  | 896.8  | 892.9  | 888.3  | 883.6  | 869.7  | 865.8  | 866.6  |
| 17.5° | 930.2  | 927.9  | 928.6  | 928.6  | 936.4  | 926.3  | 917.0  | 905.4  | 898.4  | 896.1  | 888.3  |
| 20°   | 962.0  | 965.1  | 964.3  | 969.8  | 974.4  | 963.5  | 953.5  | 951.9  | 932.5  | 935.6  | 924.8  |
| 22.5° | 1017.9 | 1015.5 | 1019.4 | 1023.3 | 1020.2 | 1018.6 | 1009.3 | 997.7  | 980.6  | 972.9  | 971.3  |
| 25°   | 1076.8 | 1072.9 | 1066.0 | 1075.3 | 1079.9 | 1086.9 | 1069.1 | 1062.8 | 1036.5 | 1024.8 | 1025.6 |
| 27.5° | 1127.2 | 1132.7 | 1140.4 | 1144.3 | 1155.9 | 1153.6 | 1141.2 | 1121.0 | 1100.9 | 1087.7 | 1079.1 |
| 30°   | 1196.3 | 1199.4 | 1212.6 | 1218.0 | 1238.2 | 1243.6 | 1224.2 | 1200.9 | 1165.3 | 1148.2 | 1138.1 |
| 32.5° | 1259.9 | 1281.6 | 1280.8 | 1308.0 | 1340.6 | 1363.1 | 1328.2 | 1292.5 | 1256.8 | 1236.6 | 1218.8 |
| 35°   | 1363.1 | 1359.2 | 1381.7 | 1410.4 | 1463.2 | 1488.8 | 1450.8 | 1409.6 | 1355.3 | 1322.7 | 1308.8 |
| 37.5° | 1459.3 | 1460.8 | 1491.1 | 1536.9 | 1597.4 | 1636.9 | 1603.6 | 1536.1 | 1480.2 | 1438.3 | 1418.9 |
| 40°   | 1598.9 | 1602.0 | 1633.1 | 1685.0 | 1753.3 | 1796.0 | 1757.2 | 1688.9 | 1614.4 | 1581.9 | 1581.9 |
| 42.5° | 1762.6 | 1775.8 | 1796.0 | 1841.0 | 1902.3 | 1949.6 | 1914.7 | 1861.1 | 1785.9 | 1744.0 | 1750.2 |
| 45°   | 1931.0 | 1937.2 | 1950.4 | 2017.1 | 2045.8 | 2069.1 | 2036.5 | 2011.7 | 1961.2 | 1910.0 | 1901.5 |
| 47.5° | 2088.5 | 2090.8 | 2129.6 | 2150.5 | 2173.0 | 2153.6 | 2174.6 | 2142.0 | 2085.4 | 2035.7 | 2025.6 |
| 50°   | 2158.3 | 2154.4 | 2209.5 | 2273.1 | 2290.2 | 2256.0 | 2238.2 | 2216.5 | 2130.4 | 2070.6 | 2044.2 |
| 52.5° | 1955.0 | 1977.5 | 2079.9 | 2256.8 | 2390.2 | 2419.0 | 2315.0 | 2214.9 | 2054.3 | 1938.0 | 1920.1 |
| 54°   | 1722.3 | 1743.2 | 1827.8 | 2090.0 | 2367.7 | 2464.7 | 2297.2 | 2084.6 | 1858.0 | 1720.0 | 1702.1 |
| 55°   | 1491.9 | 1468.6 | 1622.2 | 1889.9 | 2262.2 | 2424.4 | 2226.6 | 1916.2 | 1657.1 | 1530.7 | 1505.8 |
| 57.5° | 807.6  | 811.5  | 941.0  | 1194.0 | 1589.6 | 1858.8 | 1641.6 | 1296.4 | 979.1  | 837.1  | 824.7  |
| 60°   | 256.0  | 262.2  | 318.9  | 482.5  | 759.5  | 906.9  | 777.4  | 520.6  | 360.0  | 288.6  | 277.0  |
| 62.5° | 79.9   | 83.0   | 90.8   | 135.0  | 207.9  | 297.1  | 232.7  | 139.6  | 104.0  | 95.4   | 97.0   |
| 65°   | 48.9   | 48.9   | 49.7   | 52.8   | 62.1   | 72.1   | 69.8   | 61.3   | 59.0   | 57.4   | 56.6   |
| 67.5° | 31.8   | 31.0   | 32.6   | 34.9   | 36.5   | 37.2   | 39.6   | 41.9   | 41.1   | 39.6   | 39.6   |
| 70°   | 19.4   | 18.6   | 20.2   | 23.3   | 24.0   | 25.6   | 27.9   | 31.0   | 30.3   | 28.7   | 29.5   |
| 72.5° | 10.9   | 10.9   | 11.6   | 14.0   | 16.3   | 17.8   | 20.2   | 22.5   | 23.3   | 22.5   | 22.5   |
| 75°   | 3.9    | 4.7    | 6.2    | 8.5    | 10.1   | 12.4   | 14.7   | 17.1   | 19.4   | 17.8   | 17.1   |
| 77.5° | 1.6    | 1.6    | 3.1    | 5.4    | 7.8    | 10.1   | 14.0   | 16.3   | 17.8   | 16.3   | 14.7   |
| 80°   | 0.8    | 0.8    | 2.3    | 4.7    | 7.0    | 9.3    | 11.6   | 14.0   | 14.7   | 13.2   | 11.6   |
| 82.5° | 0.8    | 0.8    | 2.3    | 4.7    | 7.0    | 8.5    | 12.4   | 14.0   | 15.5   | 14.0   | 11.6   |
| 85°   | 0.0    | 0.8    | 2.3    | 4.7    | 6.2    | 7.0    | 7.0    | 4.7    | 3.9    | 2.3    | 2.3    |
| 87.5° | 0.0    | 0.0    | 0.8    | 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)