

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: P527053

Luminaire Tested: **GLAN-SA2A-740-U-5NQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527053  
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-SA2A-740-U-5NQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6312 lumens  
Efficiency: N/A  
Efficacy: 100.2 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): 63  
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

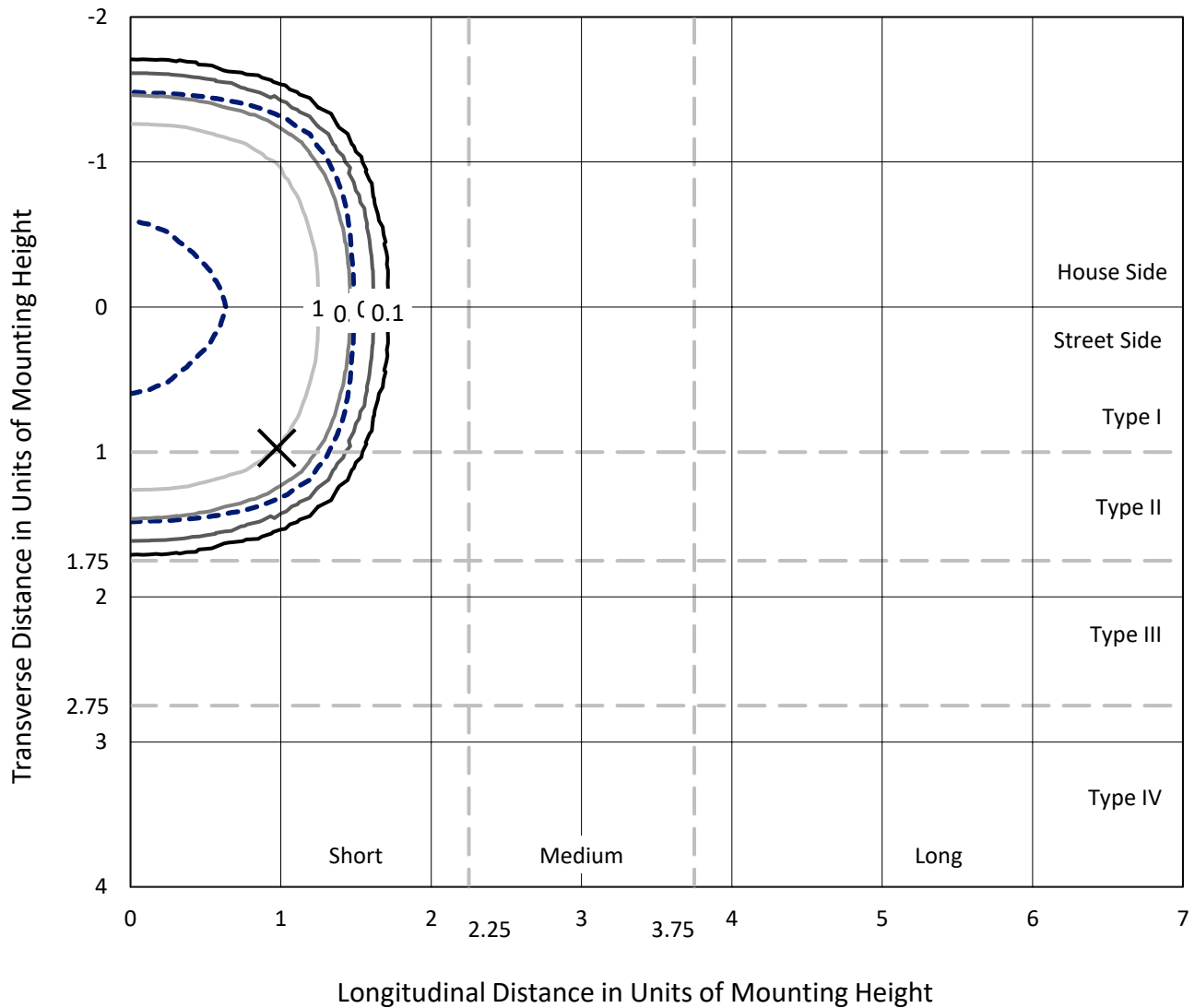


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## Iso-Footcandle Lines of Horizontal Illumination

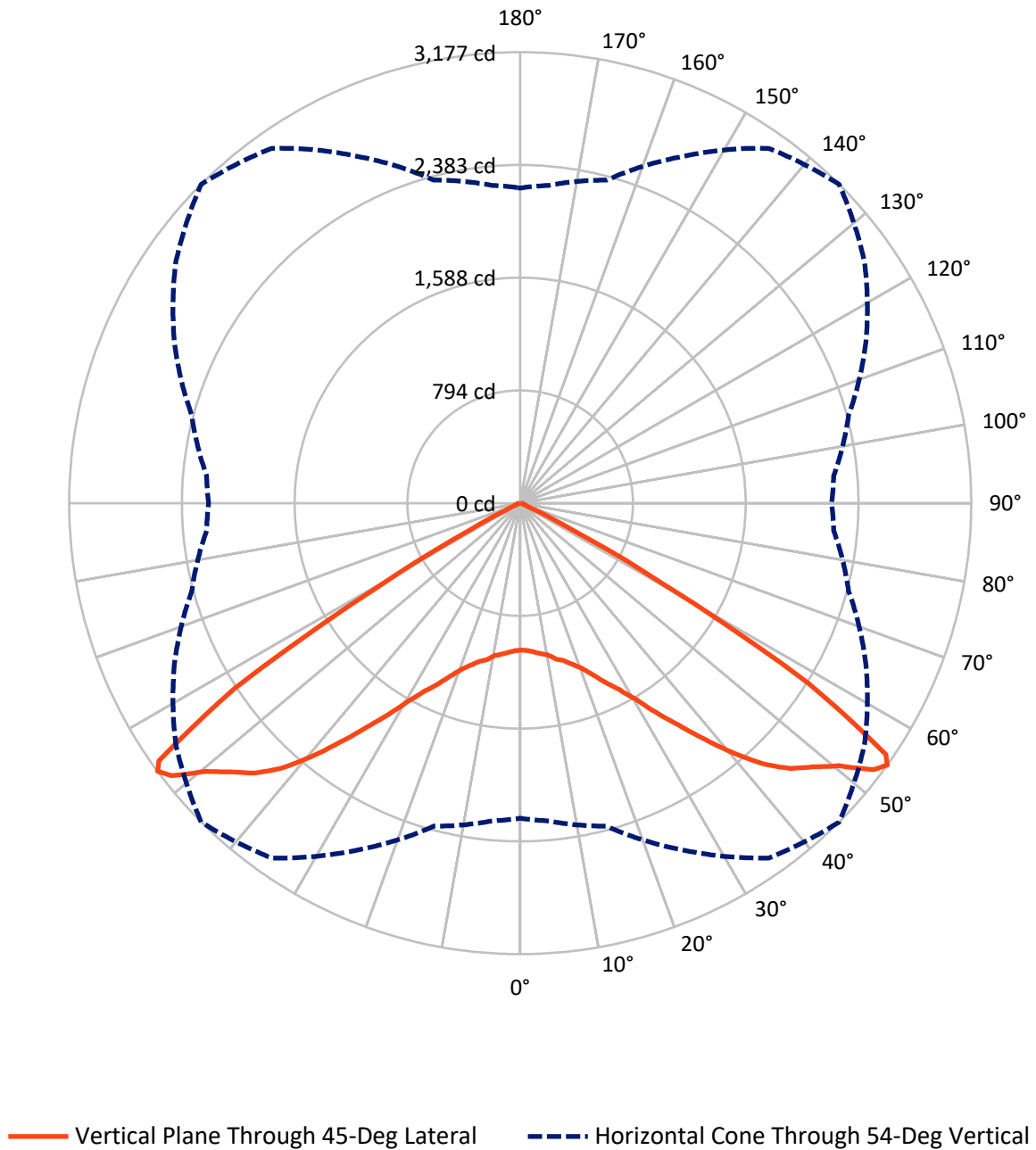
✕ Max cd  
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc  
 Type V - Short - N/A

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## Luminous Intensity Polar Plot



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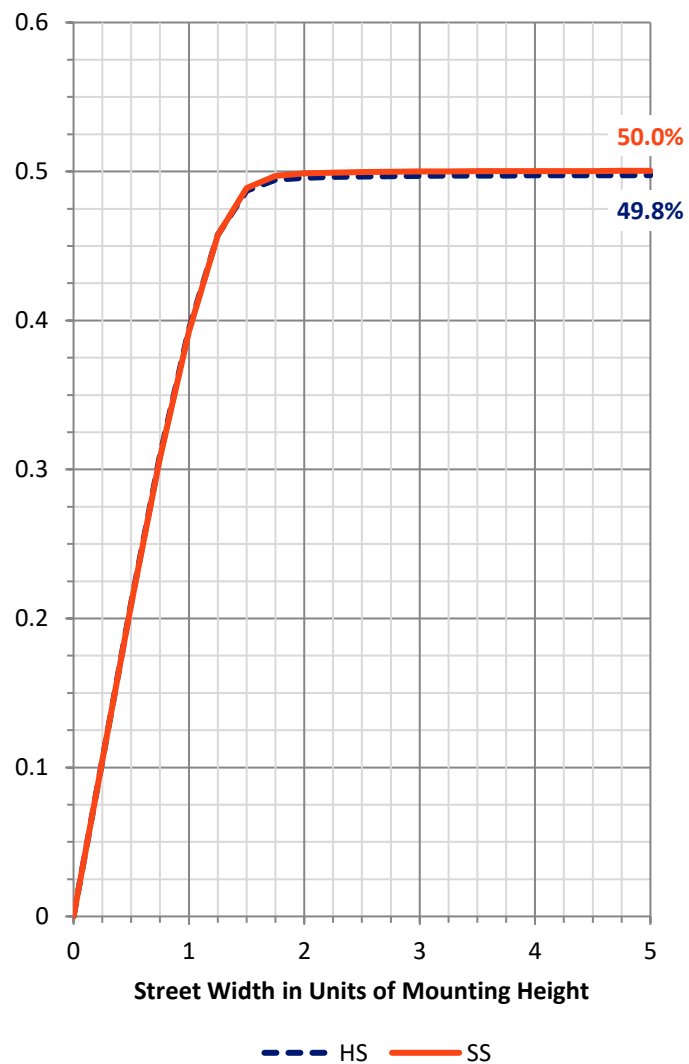
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 3156.0   | 0.0    | 3156.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 3156.0   | 0.0    | 3156.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 6312.0   | 0.0    | 6312.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 101.3  | 1.6       |
| 10°-20°   | 328.1  | 5.2       |
| 20°-30°   | 643.0  | 10.2      |
| 30°-40°   | 1156.2 | 18.3      |
| 40°-50°   | 1979.1 | 31.4      |
| 50°-60°   | 1915.0 | 30.3      |
| 60°-70°   | 163.9  | 2.6       |
| 70°-80°   | 19.4   | 0.3       |
| 80°-90°   | 6.1    | 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°    | 6312.0 | 100.0     |
| 0°-180°   | 6312.0 | 100.0     |

**Coefficient of Utilization**



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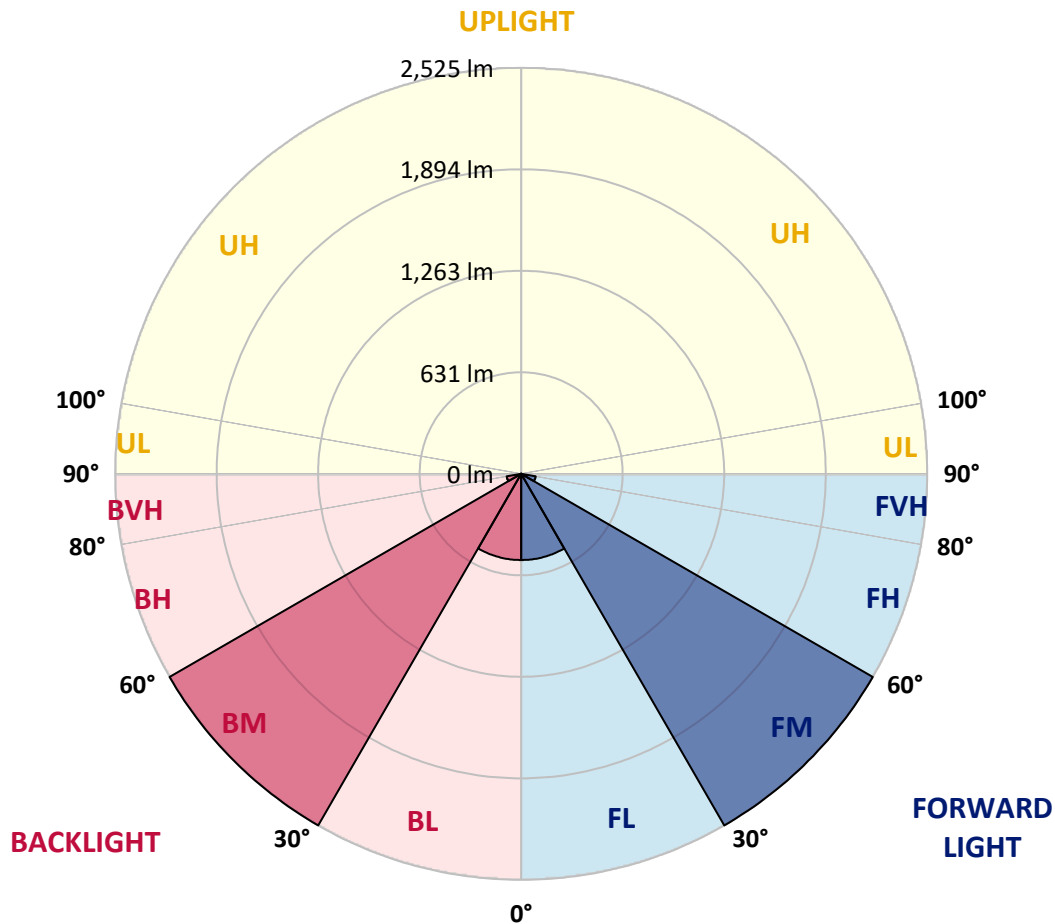
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 536.2  | 8.5       |                         |      |        |
| FM   | (30°-60°)   | 2525.1 | 40.0      |                         |      |        |
| FH   | (60°-80°)   | 91.7   | 1.5       |                         |      | G0/660 |
| FVH  | (80°-90°)   | 3.0    | 0.0       |                         |      | G0/10  |
| BL   | (0°-30°)    | 536.2  | 8.5       | B2/1000                 |      |        |
| BM   | (30°-60°)   | 2525.1 | 40.0      | B3/5000                 |      |        |
| BH   | (60°-80°)   | 91.7   | 1.5       | B0/110                  |      | G0/660 |
| BVH  | (80°-90°)   | 3.0    | 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°    | 1035.0 | 1035.0 | 1035.0 | 1035.0 | 1035.0 | 1035.0 | 1035.0 | 1035.0 | 1035.0 | 1035.0 | 1035.0 |
| 2.5°  | 1040.0 | 1046.0 | 1042.0 | 1045.0 | 1045.0 | 1040.0 | 1043.0 | 1031.0 | 1039.0 | 1033.0 | 1034.0 |
| 5°    | 1056.0 | 1055.0 | 1055.0 | 1056.0 | 1052.0 | 1054.0 | 1050.0 | 1046.0 | 1043.0 | 1039.0 | 1051.0 |
| 7.5°  | 1076.0 | 1076.0 | 1069.0 | 1071.0 | 1069.0 | 1072.0 | 1064.0 | 1056.0 | 1053.0 | 1050.0 | 1048.0 |
| 10°   | 1095.0 | 1093.0 | 1090.0 | 1099.0 | 1092.0 | 1088.0 | 1084.0 | 1079.0 | 1068.0 | 1064.0 | 1060.0 |
| 12.5° | 1123.0 | 1122.0 | 1118.0 | 1127.0 | 1123.0 | 1127.0 | 1112.0 | 1099.0 | 1097.0 | 1084.0 | 1091.0 |
| 15°   | 1156.0 | 1165.0 | 1158.0 | 1158.0 | 1156.0 | 1151.0 | 1145.0 | 1139.0 | 1121.0 | 1116.0 | 1117.0 |
| 17.5° | 1199.0 | 1196.0 | 1197.0 | 1197.0 | 1207.0 | 1194.0 | 1182.0 | 1167.0 | 1158.0 | 1155.0 | 1145.0 |
| 20°   | 1240.0 | 1244.0 | 1243.0 | 1250.0 | 1256.0 | 1242.0 | 1229.0 | 1227.0 | 1202.0 | 1206.0 | 1192.0 |
| 22.5° | 1312.0 | 1309.0 | 1314.0 | 1319.0 | 1315.0 | 1313.0 | 1301.0 | 1286.0 | 1264.0 | 1254.0 | 1252.0 |
| 25°   | 1388.0 | 1383.0 | 1374.0 | 1386.0 | 1392.0 | 1401.0 | 1378.0 | 1370.0 | 1336.0 | 1321.0 | 1322.0 |
| 27.5° | 1453.0 | 1460.0 | 1470.0 | 1475.0 | 1490.0 | 1487.0 | 1471.0 | 1445.0 | 1419.0 | 1402.0 | 1391.0 |
| 30°   | 1542.0 | 1546.0 | 1563.0 | 1570.0 | 1596.0 | 1603.0 | 1578.0 | 1548.0 | 1502.0 | 1480.0 | 1467.0 |
| 32.5° | 1624.0 | 1652.0 | 1651.0 | 1686.0 | 1728.0 | 1757.0 | 1712.0 | 1666.0 | 1620.0 | 1594.0 | 1571.0 |
| 35°   | 1757.0 | 1752.0 | 1781.0 | 1817.9 | 1885.9 | 1918.9 | 1869.9 | 1816.9 | 1747.0 | 1705.0 | 1687.0 |
| 37.5° | 1880.9 | 1882.9 | 1921.9 | 1980.9 | 2058.9 | 2109.9 | 2066.9 | 1979.9 | 1907.9 | 1853.9 | 1828.9 |
| 40°   | 2060.9 | 2064.9 | 2104.9 | 2171.9 | 2259.9 | 2314.9 | 2264.9 | 2176.9 | 2080.9 | 2038.9 | 2038.9 |
| 42.5° | 2271.9 | 2288.9 | 2314.9 | 2372.9 | 2451.9 | 2512.9 | 2467.9 | 2398.9 | 2301.9 | 2247.9 | 2255.9 |
| 45°   | 2488.9 | 2496.9 | 2513.9 | 2599.9 | 2636.9 | 2666.9 | 2624.9 | 2592.9 | 2527.9 | 2461.9 | 2450.9 |
| 47.5° | 2691.9 | 2694.9 | 2744.9 | 2771.9 | 2800.9 | 2775.9 | 2802.9 | 2760.9 | 2687.9 | 2623.9 | 2610.9 |
| 50°   | 2781.9 | 2776.9 | 2847.9 | 2929.9 | 2951.9 | 2907.9 | 2884.9 | 2856.9 | 2745.9 | 2668.9 | 2634.9 |
| 52.5° | 2519.9 | 2548.9 | 2680.9 | 2908.9 | 3080.9 | 3117.9 | 2983.9 | 2854.9 | 2647.9 | 2497.9 | 2474.9 |
| 54°   | 2219.9 | 2246.9 | 2355.9 | 2693.9 | 3051.9 | 3176.9 | 2960.9 | 2686.9 | 2394.9 | 2216.9 | 2193.9 |
| 55°   | 1922.9 | 1892.9 | 2090.9 | 2435.9 | 2915.9 | 3124.9 | 2869.9 | 2469.9 | 2135.9 | 1972.9 | 1940.9 |
| 57.5° | 1041.0 | 1046.0 | 1213.0 | 1539.0 | 2048.9 | 2395.9 | 2115.9 | 1671.0 | 1262.0 | 1079.0 | 1063.0 |
| 60°   | 330.0  | 338.0  | 411.0  | 622.0  | 979.0  | 1169.0 | 1002.0 | 671.0  | 464.0  | 372.0  | 357.0  |
| 62.5° | 103.0  | 107.0  | 117.0  | 174.0  | 268.0  | 383.0  | 300.0  | 180.0  | 134.0  | 123.0  | 125.0  |
| 65°   | 63.0   | 63.0   | 64.0   | 68.0   | 80.0   | 93.0   | 90.0   | 79.0   | 76.0   | 74.0   | 73.0   |
| 67.5° | 41.0   | 40.0   | 42.0   | 45.0   | 47.0   | 48.0   | 51.0   | 54.0   | 53.0   | 51.0   | 51.0   |
| 70°   | 25.0   | 24.0   | 26.0   | 30.0   | 31.0   | 33.0   | 36.0   | 40.0   | 39.0   | 37.0   | 38.0   |
| 72.5° | 14.0   | 14.0   | 15.0   | 18.0   | 21.0   | 23.0   | 26.0   | 29.0   | 30.0   | 29.0   | 29.0   |
| 75°   | 5.0    | 6.0    | 8.0    | 11.0   | 13.0   | 16.0   | 19.0   | 22.0   | 25.0   | 23.0   | 22.0   |
| 77.5° | 2.0    | 2.0    | 4.0    | 7.0    | 10.0   | 13.0   | 18.0   | 21.0   | 23.0   | 21.0   | 19.0   |
| 80°   | 1.0    | 1.0    | 3.0    | 6.0    | 9.0    | 12.0   | 15.0   | 18.0   | 19.0   | 17.0   | 15.0   |
| 82.5° | 1.0    | 1.0    | 3.0    | 6.0    | 9.0    | 11.0   | 16.0   | 18.0   | 20.0   | 18.0   | 15.0   |
| 85°   | 0.0    | 1.0    | 3.0    | 6.0    | 8.0    | 9.0    | 9.0    | 6.0    | 5.0    | 3.0    | 3.0    |
| 87.5° | 0.0    | 0.0    | 1.0    | 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)