

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: P526432

Luminaire Tested: **GLAN-SA1B-827-U-5WQ-GRSWH**

Issue Date: 5/27/2021

### Test Information

Test Method: LM-79-08  
Report Number: P526432  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA1B-827-U-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 3591 lumens  
Efficiency: N/A  
Efficacy: 81.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

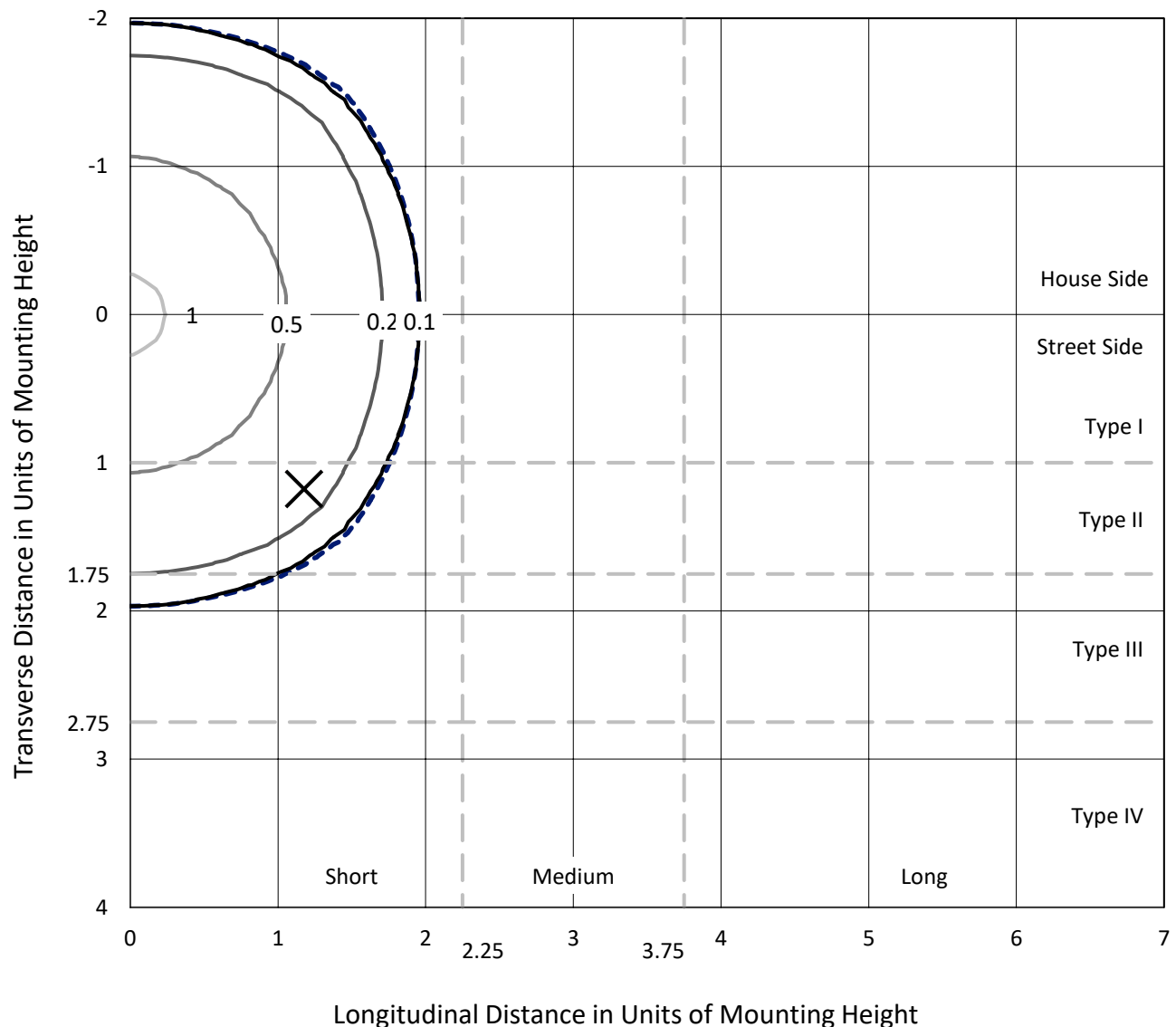
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

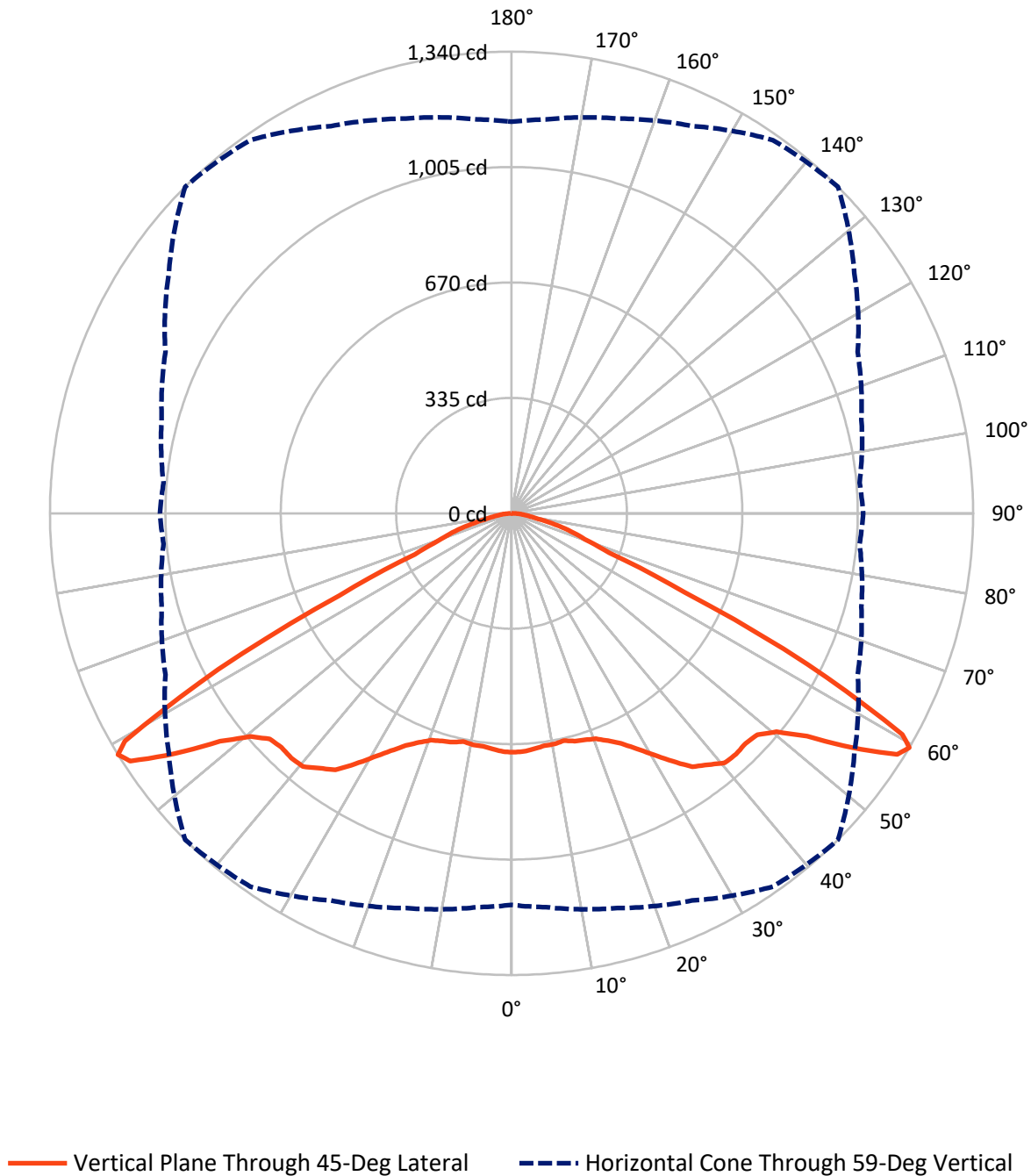
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type V - Short - N/A

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## Luminous Intensity Polar Plot



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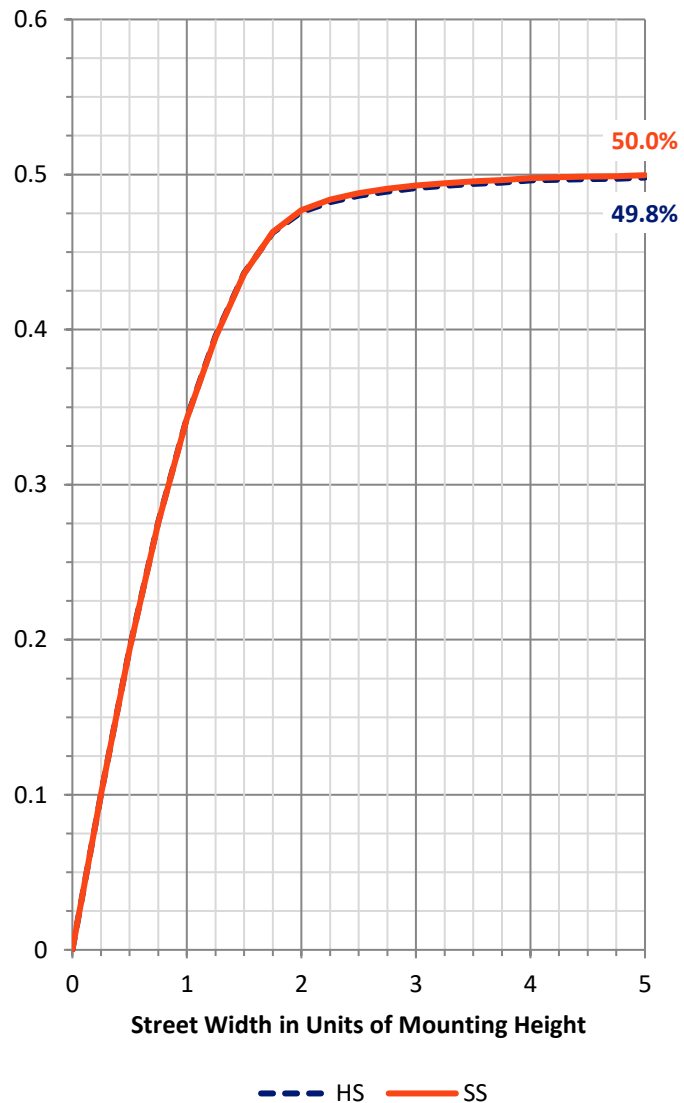
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1795.5   | 0.0    | 1795.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 1795.5   | 0.0    | 1795.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 3591.0   | 0.0    | 3591.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 65.4   | 1.8       |
| 10°-20°   | 194.4  | 5.4       |
| 20°-30°   | 339.5  | 9.5       |
| 30°-40°   | 542.3  | 15.1      |
| 40°-50°   | 738.7  | 20.6      |
| 50°-60°   | 998.9  | 27.8      |
| 60°-70°   | 547.8  | 15.3      |
| 70°-80°   | 140.1  | 3.9       |
| 80°-90°   | 23.9   | 0.7       |
| 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°    | 3591.0 | 100.0     |
| 0°-180°   | 3591.0 | 100.0     |

**Coefficient of Utilization**



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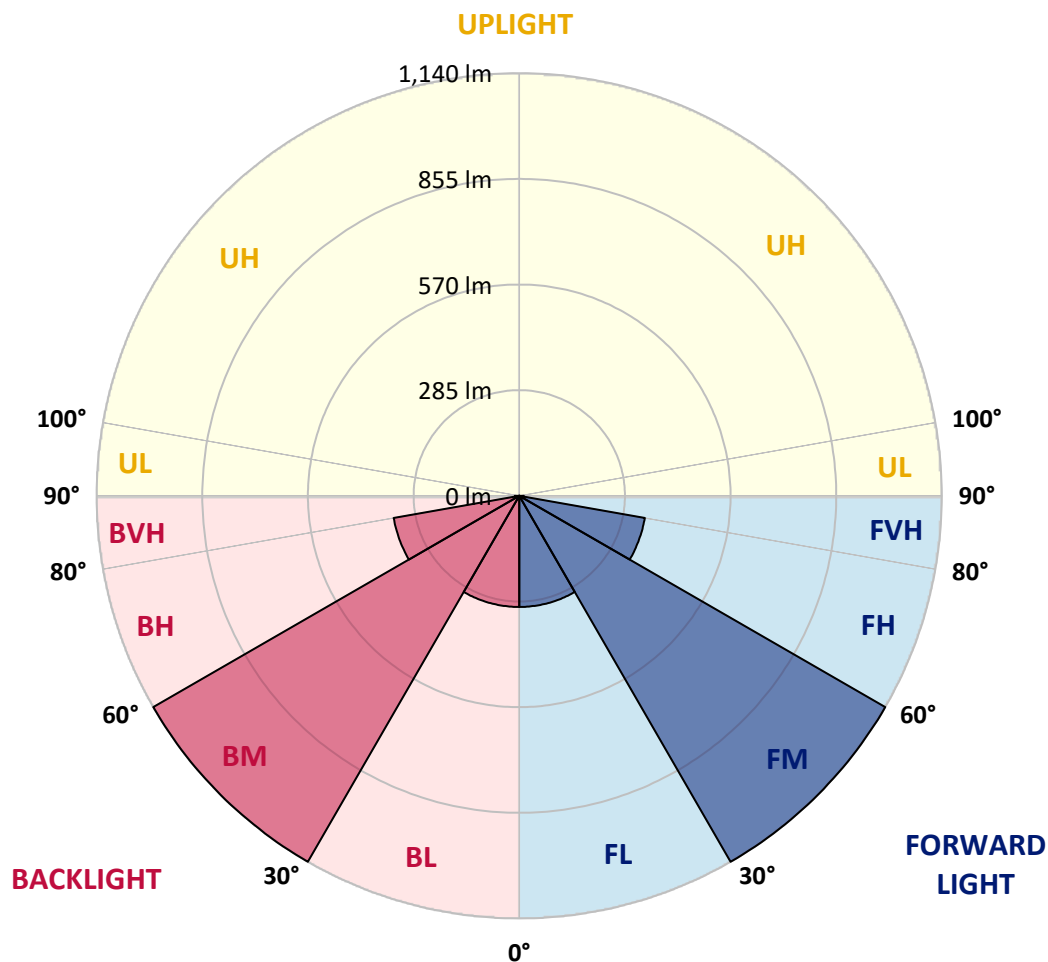
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 299.7  | 8.3       |                         |      |        |
| FM   | (30°-60°)   | 1139.9 | 31.7      |                         |      |        |
| FH   | (60°-80°)   | 344.0  | 9.6       |                         |      | G0/660 |
| FVH  | (80°-90°)   | 12.0   | 0.3       |                         |      | G1/100 |
| BL   | (0°-30°)    | 299.7  | 8.3       | B1/500                  |      |        |
| BM   | (30°-60°)   | 1139.9 | 31.7      | B2/2500                 |      |        |
| BH   | (60°-80°)   | 344.0  | 9.6       | B1/500                  |      | G0/660 |
| BVH  | (80°-90°)   | 12.0   | 0.3       |                         |      | G1/100 |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |        |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |        |

**BUG Rating: B2-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 693.6  | 693.6  | 693.6  | 693.6  | 693.6  | 693.6  | 693.6  | 693.6  | 693.6  | 693.6  | 693.6  |
| 2.5°  | 689.5  | 694.5  | 690.8  | 694.1  | 693.6  | 692.2  | 689.9  | 688.5  | 686.7  | 689.5  | 684.9  |
| 5°    | 686.7  | 690.8  | 695.0  | 689.5  | 689.5  | 686.7  | 685.3  | 682.6  | 682.6  | 682.1  | 681.6  |
| 7.5°  | 691.3  | 687.2  | 685.3  | 686.2  | 687.2  | 681.2  | 685.3  | 679.8  | 675.2  | 678.4  | 682.1  |
| 10°   | 687.2  | 689.0  | 682.1  | 685.3  | 680.3  | 681.2  | 678.4  | 682.1  | 677.0  | 677.0  | 677.0  |
| 12.5° | 691.3  | 686.2  | 688.5  | 686.2  | 684.9  | 677.0  | 680.7  | 676.6  | 676.1  | 680.7  | 676.6  |
| 15°   | 699.6  | 691.3  | 689.5  | 684.9  | 686.2  | 686.2  | 682.6  | 683.0  | 678.0  | 680.7  | 681.6  |
| 17.5° | 696.8  | 692.2  | 690.8  | 685.3  | 689.9  | 691.3  | 684.4  | 679.8  | 683.0  | 682.6  | 682.1  |
| 20°   | 699.1  | 701.0  | 699.6  | 700.5  | 702.4  | 698.7  | 692.2  | 685.8  | 681.6  | 687.6  | 687.2  |
| 22.5° | 713.9  | 712.0  | 711.1  | 710.2  | 713.4  | 717.1  | 708.3  | 698.2  | 698.2  | 702.4  | 704.2  |
| 25°   | 725.8  | 725.4  | 724.9  | 729.0  | 740.1  | 740.1  | 729.0  | 716.2  | 712.9  | 715.7  | 713.4  |
| 27.5° | 743.3  | 748.4  | 746.5  | 753.9  | 770.0  | 773.7  | 759.0  | 743.8  | 735.0  | 731.8  | 736.0  |
| 30°   | 783.4  | 777.4  | 778.8  | 786.6  | 800.8  | 812.8  | 790.3  | 774.2  | 762.2  | 761.7  | 763.6  |
| 32.5° | 810.1  | 814.7  | 818.8  | 826.2  | 848.7  | 857.9  | 830.8  | 804.5  | 797.2  | 793.0  | 794.4  |
| 35°   | 863.4  | 859.3  | 858.4  | 865.7  | 888.3  | 903.5  | 869.4  | 846.4  | 836.7  | 846.0  | 846.0  |
| 37.5° | 914.1  | 902.6  | 893.8  | 903.5  | 924.2  | 926.0  | 897.0  | 884.6  | 879.6  | 890.1  | 889.7  |
| 40°   | 938.0  | 937.1  | 916.8  | 922.4  | 950.0  | 952.7  | 925.6  | 910.9  | 909.9  | 923.7  | 937.5  |
| 42.5° | 962.9  | 954.1  | 933.9  | 937.5  | 954.6  | 955.5  | 929.7  | 925.6  | 935.7  | 949.1  | 950.0  |
| 45°   | 967.0  | 959.6  | 946.8  | 937.5  | 950.0  | 952.7  | 937.5  | 940.3  | 941.2  | 957.3  | 957.3  |
| 47.5° | 975.3  | 974.4  | 967.0  | 960.1  | 962.4  | 960.1  | 950.4  | 954.6  | 968.4  | 976.2  | 972.5  |
| 50°   | 998.3  | 988.6  | 996.0  | 990.0  | 990.5  | 996.9  | 988.2  | 992.3  | 989.6  | 982.7  | 978.0  |
| 52.5° | 1048.9 | 1044.3 | 1050.8 | 1054.9 | 1059.5 | 1074.2 | 1064.1 | 1042.0 | 1021.3 | 1002.9 | 1002.4 |
| 55°   | 1123.0 | 1126.3 | 1138.7 | 1159.9 | 1177.8 | 1201.3 | 1152.5 | 1099.6 | 1066.4 | 1037.4 | 1039.3 |
| 57.5° | 1193.0 | 1190.7 | 1207.7 | 1256.0 | 1308.5 | 1320.5 | 1224.7 | 1149.3 | 1095.4 | 1077.0 | 1069.2 |
| 59°   | 1136.8 | 1147.9 | 1186.5 | 1240.4 | 1322.8 | 1340.3 | 1215.1 | 1108.8 | 1051.7 | 1014.4 | 1020.9 |
| 60°   | 1048.5 | 1052.6 | 1087.1 | 1162.2 | 1273.5 | 1303.5 | 1150.2 | 1046.2 | 970.2  | 948.6  | 958.3  |
| 62.5° | 741.0  | 737.8  | 762.6  | 823.9  | 923.7  | 964.2  | 855.2  | 782.0  | 734.1  | 710.2  | 715.7  |
| 65°   | 394.0  | 408.7  | 418.8  | 457.0  | 510.0  | 552.8  | 507.7  | 475.9  | 449.2  | 429.4  | 429.0  |
| 67.5° | 266.0  | 264.2  | 266.5  | 275.2  | 293.2  | 305.2  | 304.2  | 288.1  | 285.8  | 282.1  | 286.3  |
| 70°   | 224.1  | 223.2  | 219.1  | 219.1  | 222.8  | 225.5  | 228.7  | 230.6  | 234.3  | 238.9  | 238.4  |
| 72.5° | 181.8  | 179.5  | 176.7  | 175.4  | 180.0  | 181.3  | 185.5  | 187.3  | 190.5  | 190.1  | 194.2  |
| 75°   | 120.1  | 120.1  | 123.3  | 127.0  | 128.4  | 131.2  | 131.6  | 137.2  | 137.2  | 138.1  | 134.4  |
| 77.5° | 67.2   | 65.4   | 67.7   | 71.3   | 74.6   | 79.6   | 84.7   | 88.8   | 91.1   | 90.2   | 90.2   |
| 80°   | 39.1   | 39.1   | 41.4   | 45.6   | 49.7   | 54.3   | 58.0   | 61.2   | 63.5   | 62.6   | 60.8   |
| 82.5° | 24.4   | 24.4   | 26.7   | 30.8   | 34.1   | 36.8   | 41.9   | 46.0   | 48.8   | 47.9   | 45.6   |
| 85°   | 12.4   | 12.4   | 15.2   | 18.0   | 22.1   | 23.9   | 23.5   | 21.6   | 21.2   | 18.9   | 18.9   |
| 87.5° | 3.2    | 3.2    | 4.6    | 5.1    | 4.1    | 4.6    | 4.6    | 4.6    | 4.6    | 4.6    | 5.1    |
| 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)