

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: P526115

Luminaire Tested: **GLAN-SA1A-740-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526115  
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-SA1A-740-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 4000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2777 lumens  
Efficiency: N/A  
Efficacy: 84.2 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): 33  
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



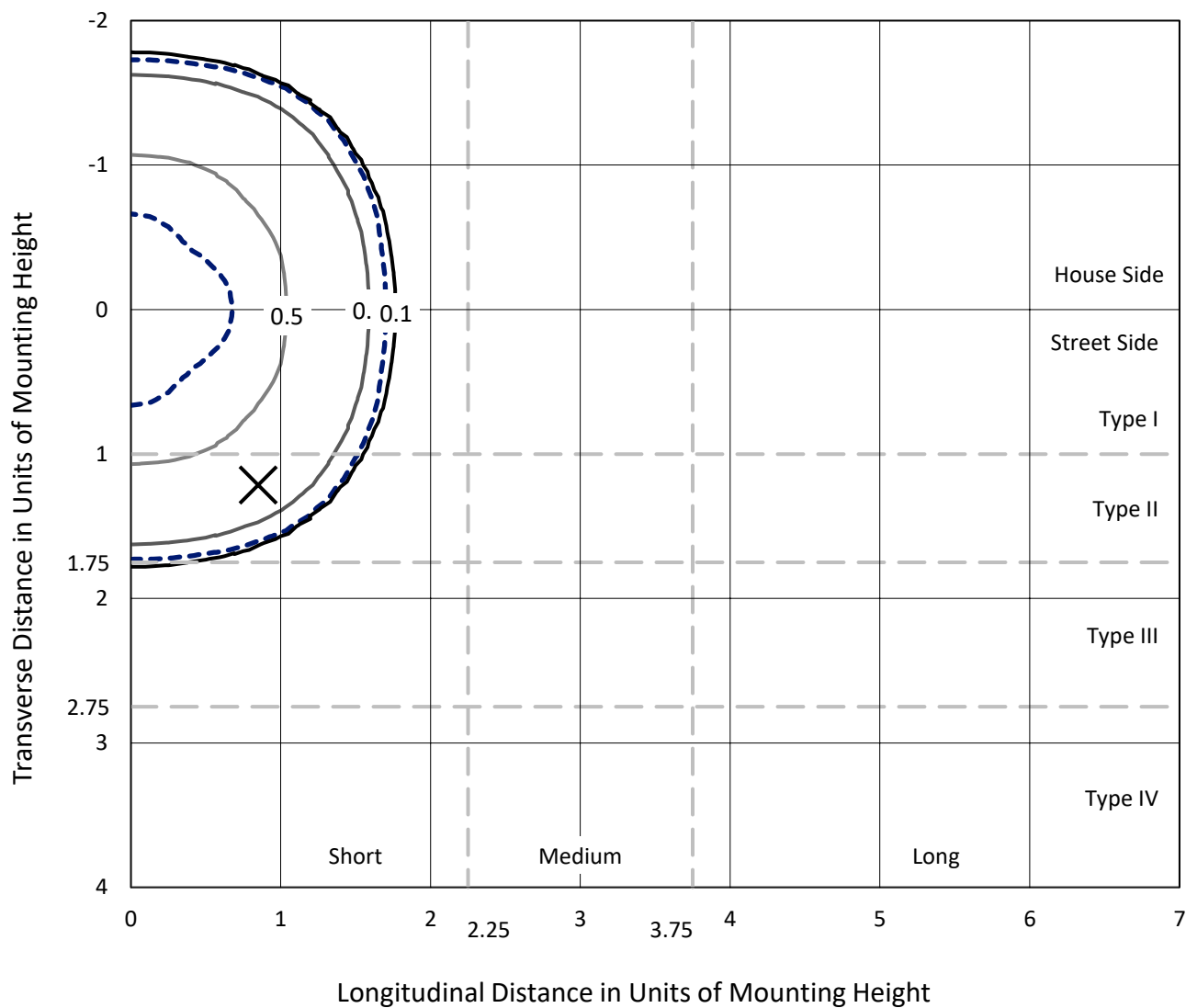
REPORT NUMBER: P526115

CATALOG NUMBER: GLAN-SA1A-740-U-5MQ-GRSBK

## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

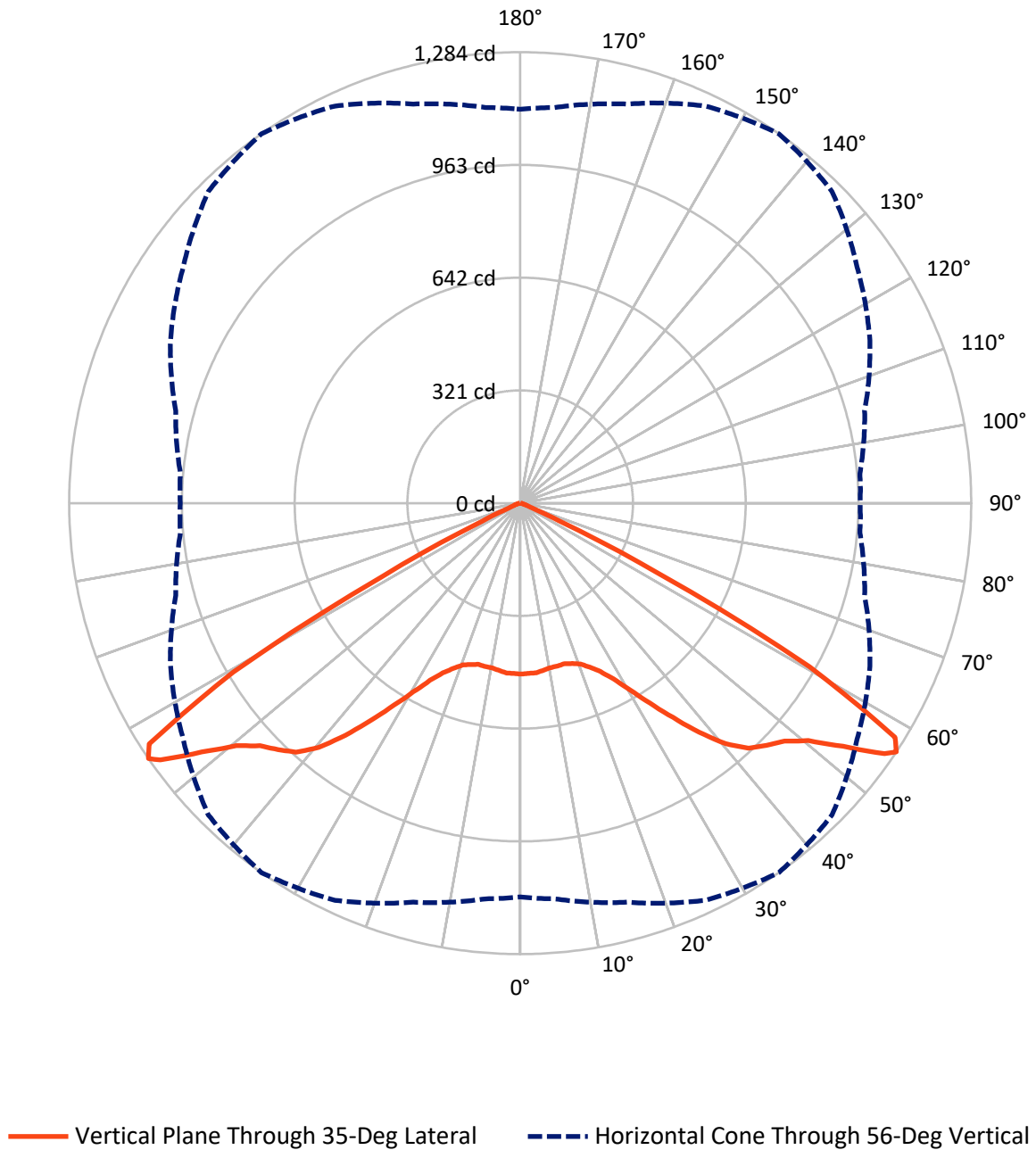
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type V - Short - N/A

REPORT NUMBER: P526115  
CATALOG NUMBER: GLAN-SA1A-740-U-5MQ-GRSBK

## Luminous Intensity Polar Plot



REPORT NUMBER: P526115

CATALOG NUMBER: GLAN-SA1A-740-U-5MQ-GRSBK

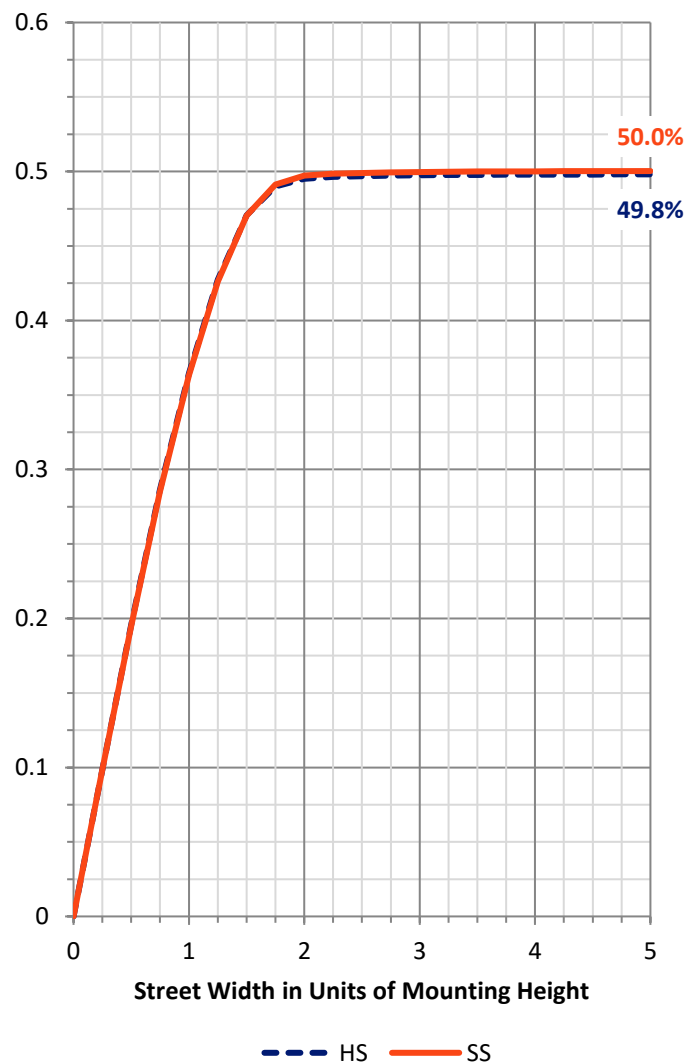
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1388.5   | 0.0    | 1388.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 1388.5   | 0.0    | 1388.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 2777.0   | 0.0    | 2777.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 45.7   | 1.6       |
| 10°-20°   | 133.5  | 4.8       |
| 20°-30°   | 241.8  | 8.7       |
| 30°-40°   | 448.3  | 16.1      |
| 40°-50°   | 735.9  | 26.5      |
| 50°-60°   | 948.1  | 34.1      |
| 60°-70°   | 208.9  | 7.5       |
| 70°-80°   | 12.1   | 0.4       |
| 80°-90°   | 2.5    | 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°    | 2777.0 | 100.0     |
| 0°-180°   | 2777.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P526115

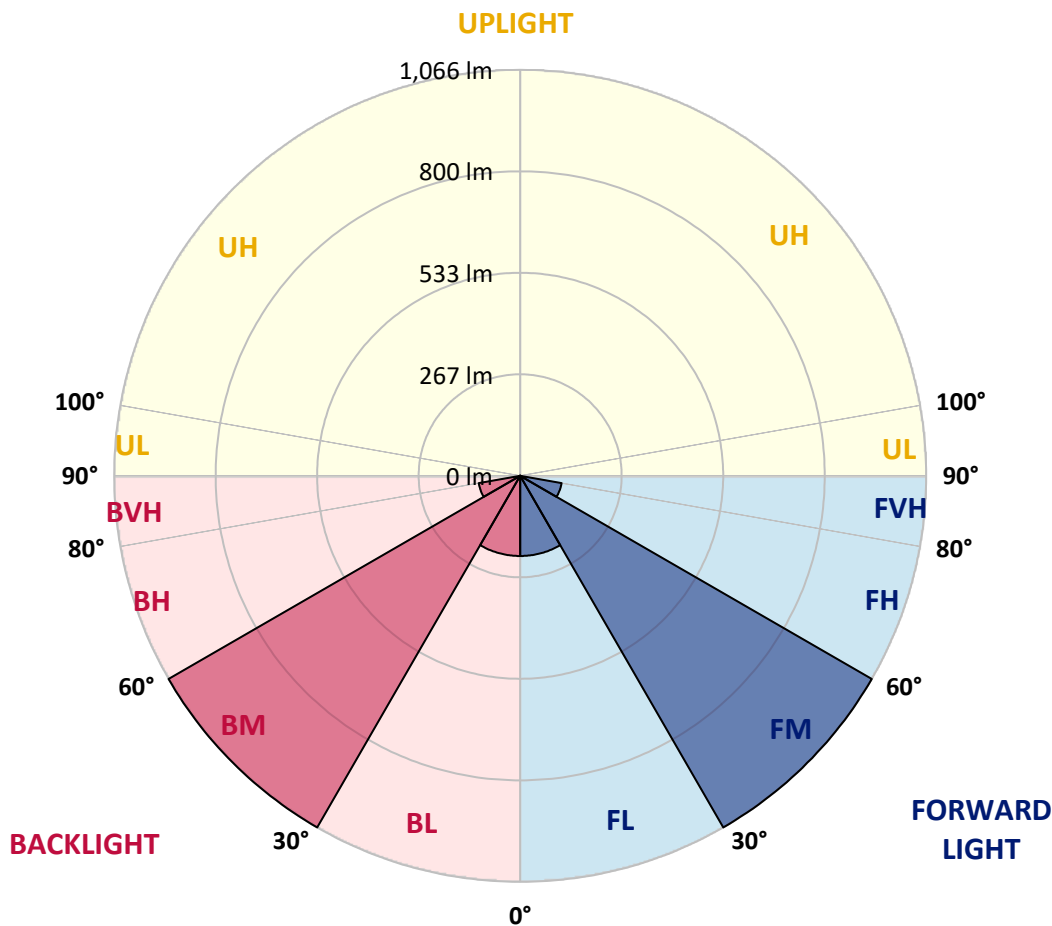
CATALOG NUMBER: GLAN-SA1A-740-U-5MQ-GRSBK

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 210.5  | 7.6       |                         |      |        |
| FM   | (30°-60°)   | 1066.2 | 38.4      |                         |      |        |
| FH   | (60°-80°)   | 110.5  | 4.0       |                         |      | G0/660 |
| FVH  | (80°-90°)   | 1.3    | 0.0       |                         |      | G0/10  |
| BL   | (0°-30°)    | 210.5  | 7.6       | B1/500                  |      |        |
| BM   | (30°-60°)   | 1066.2 | 38.4      | B2/2500                 |      |        |
| BH   | (60°-80°)   | 110.5  | 4.0       | B1/500                  |      | G0/660 |
| BVH  | (80°-90°)   | 1.3    | 0.0       |                         |      | G0/10  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |        |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |        |

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

Type V Short



REPORT NUMBER: P526115

CATALOG NUMBER: GLAN-SA1A-740-U-5MQ-GRSBK

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0°    | 486.6  | 486.6  | 486.6  | 486.6  | 486.6  | 486.6  | 486.6  | 486.6  | 486.6  | 486.6  | 486.6 |
| 2.5°  | 487.6  | 487.6  | 488.1  | 488.6  | 485.1  | 483.6  | 484.1  | 483.1  | 482.6  | 484.1  | 484.1 |
| 5°    | 486.1  | 486.1  | 484.6  | 485.1  | 485.1  | 480.6  | 480.6  | 481.6  | 481.6  | 478.5  | 477.5 |
| 7.5°  | 482.1  | 481.1  | 479.0  | 481.6  | 480.0  | 480.0  | 476.5  | 474.0  | 473.0  | 475.0  | 473.0 |
| 10°   | 473.5  | 474.0  | 476.0  | 477.0  | 476.0  | 479.0  | 473.0  | 469.5  | 466.0  | 464.4  | 464.4 |
| 12.5° | 469.5  | 472.5  | 469.5  | 472.0  | 475.5  | 473.0  | 469.5  | 467.0  | 461.9  | 459.9  | 459.9 |
| 15°   | 469.0  | 471.0  | 472.0  | 475.5  | 474.0  | 475.0  | 468.0  | 465.0  | 457.4  | 453.9  | 452.4 |
| 17.5° | 468.5  | 471.0  | 472.5  | 479.0  | 480.0  | 480.6  | 475.0  | 466.0  | 459.4  | 455.9  | 452.4 |
| 20°   | 474.0  | 475.0  | 478.0  | 484.6  | 488.6  | 495.6  | 485.6  | 476.0  | 461.9  | 457.9  | 456.4 |
| 22.5° | 481.1  | 486.1  | 489.1  | 496.2  | 506.7  | 512.8  | 499.7  | 487.6  | 473.0  | 468.0  | 461.9 |
| 25°   | 503.7  | 502.7  | 507.7  | 522.3  | 530.9  | 535.4  | 524.8  | 507.2  | 488.1  | 482.1  | 483.1 |
| 27.5° | 531.9  | 532.9  | 537.4  | 553.5  | 566.1  | 573.1  | 560.6  | 537.4  | 518.8  | 508.7  | 507.7 |
| 30°   | 568.6  | 567.6  | 572.6  | 594.3  | 616.9  | 627.5  | 605.3  | 578.2  | 560.1  | 547.0  | 550.0 |
| 32.5° | 607.4  | 607.9  | 621.9  | 641.6  | 678.3  | 698.9  | 663.2  | 630.0  | 602.8  | 593.8  | 589.2 |
| 35°   | 664.7  | 667.2  | 678.3  | 708.5  | 749.3  | 775.9  | 736.7  | 696.9  | 665.7  | 649.1  | 651.1 |
| 37.5° | 735.7  | 733.2  | 751.8  | 784.5  | 827.3  | 846.9  | 813.7  | 768.4  | 736.7  | 725.6  | 732.7 |
| 40°   | 811.2  | 813.7  | 823.2  | 852.9  | 900.7  | 913.8  | 864.5  | 839.8  | 812.2  | 806.6  | 815.2 |
| 42.5° | 886.6  | 885.1  | 892.2  | 918.8  | 953.6  | 944.5  | 915.3  | 900.7  | 881.1  | 870.0  | 881.6 |
| 45°   | 942.0  | 939.5  | 952.5  | 970.7  | 983.2  | 966.1  | 953.1  | 948.0  | 938.0  | 925.9  | 936.4 |
| 47.5° | 995.8  | 993.8  | 1006.4 | 1011.4 | 1012.4 | 989.8  | 992.3  | 1001.4 | 976.2  | 951.0  | 963.1 |
| 50°   | 1041.6 | 1038.1 | 1053.7 | 1064.8 | 1062.2 | 1026.0 | 1035.1 | 1026.0 | 986.8  | 957.1  | 952.5 |
| 52.5° | 1118.1 | 1119.6 | 1136.2 | 1156.3 | 1150.3 | 1120.1 | 1107.0 | 1065.8 | 1015.4 | 988.8  | 973.2 |
| 55°   | 1166.4 | 1158.9 | 1187.5 | 1251.4 | 1258.5 | 1227.3 | 1169.4 | 1108.5 | 1033.1 | 1000.4 | 996.3 |
| 56°   | 1121.1 | 1130.7 | 1176.0 | 1247.4 | 1283.7 | 1255.0 | 1170.9 | 1098.0 | 1014.9 | 970.7  | 967.6 |
| 57.5° | 1005.9 | 1000.9 | 1062.2 | 1159.9 | 1258.5 | 1246.4 | 1129.7 | 1022.5 | 925.9  | 876.1  | 870.0 |
| 60°   | 626.0  | 640.6  | 694.4  | 815.2  | 947.0  | 953.1  | 837.3  | 745.2  | 632.5  | 588.2  | 598.8 |
| 62.5° | 245.1  | 232.5  | 266.2  | 356.3  | 446.8  | 467.0  | 423.2  | 351.7  | 288.8  | 245.1  | 242.0 |
| 65°   | 56.9   | 55.4   | 62.4   | 86.0   | 120.3  | 139.4  | 132.3  | 95.1   | 69.9   | 66.4   | 61.4  |
| 67.5° | 32.2   | 32.2   | 30.7   | 30.7   | 33.7   | 35.7   | 34.2   | 33.7   | 35.2   | 36.7   | 36.2  |
| 70°   | 22.6   | 22.1   | 21.1   | 21.6   | 20.6   | 20.6   | 22.1   | 24.7   | 26.7   | 26.7   | 27.2  |
| 72.5° | 13.6   | 13.6   | 13.6   | 15.1   | 15.1   | 15.1   | 16.6   | 18.6   | 19.1   | 18.6   | 18.1  |
| 75°   | 6.0    | 6.0    | 7.0    | 8.6    | 9.6    | 10.1   | 11.6   | 12.6   | 13.6   | 12.6   | 11.6  |
| 77.5° | 1.5    | 1.5    | 2.5    | 3.5    | 4.5    | 5.5    | 7.5    | 9.1    | 9.6    | 9.1    | 7.5   |
| 80°   | 0.5    | 0.5    | 1.0    | 2.5    | 4.5    | 5.5    | 7.5    | 8.1    | 8.6    | 7.5    | 6.0   |
| 82.5° | 0.5    | 0.5    | 1.0    | 2.5    | 3.5    | 4.5    | 6.0    | 7.0    | 7.5    | 6.5    | 6.0   |
| 85°   | 0.0    | 0.5    | 1.0    | 2.0    | 3.0    | 4.0    | 4.0    | 3.0    | 2.5    | 1.5    | 2.0   |
| 87.5° | 0.0    | 0.0    | 0.5    | 0.5    | 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)