

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: P532780

Luminaire Tested: **GLAN-SA8A-830-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532780  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA8A-830-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25713 lumens  
Efficiency: N/A  
Efficacy: 105.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

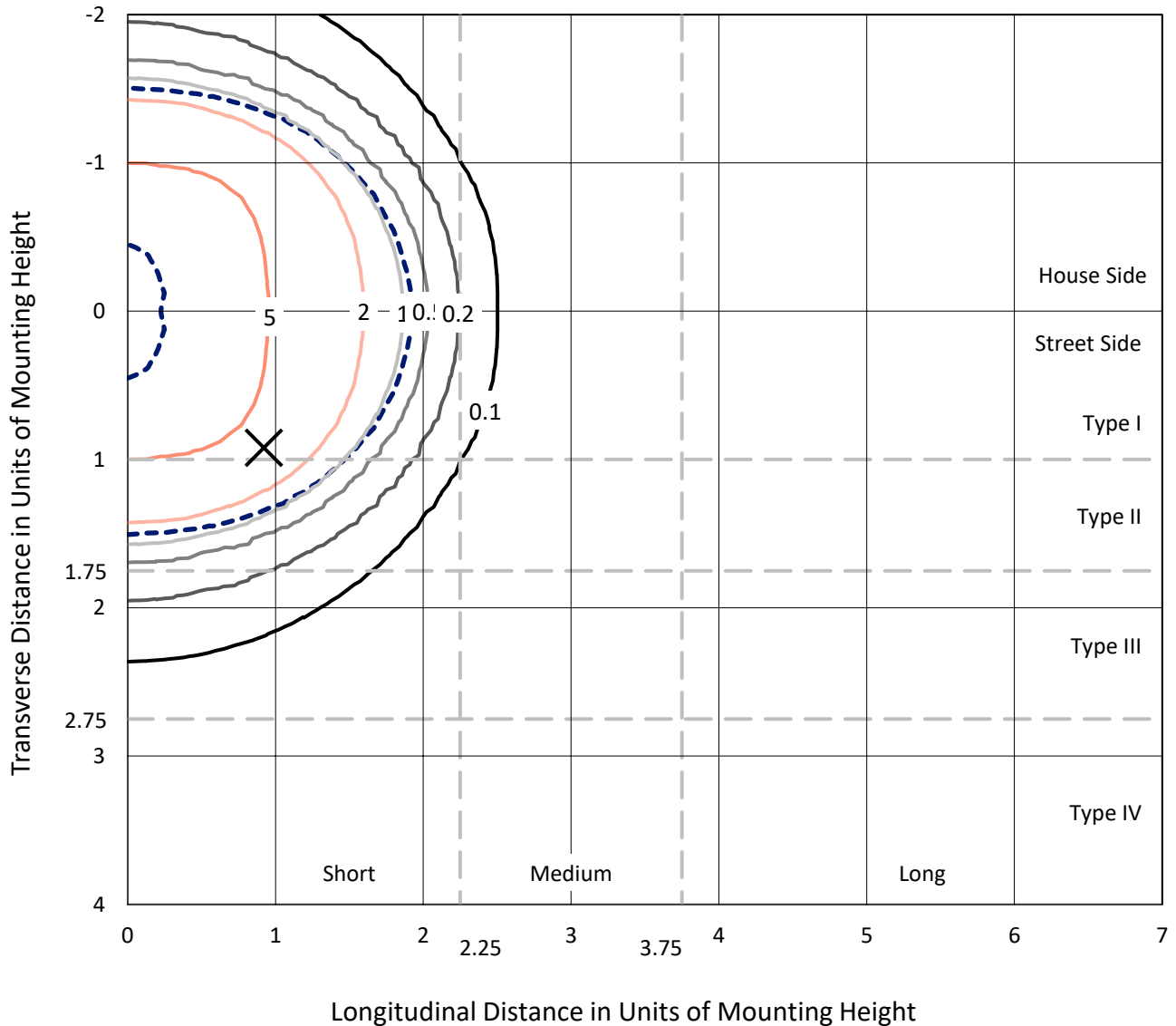
Input Watts (W): 244  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

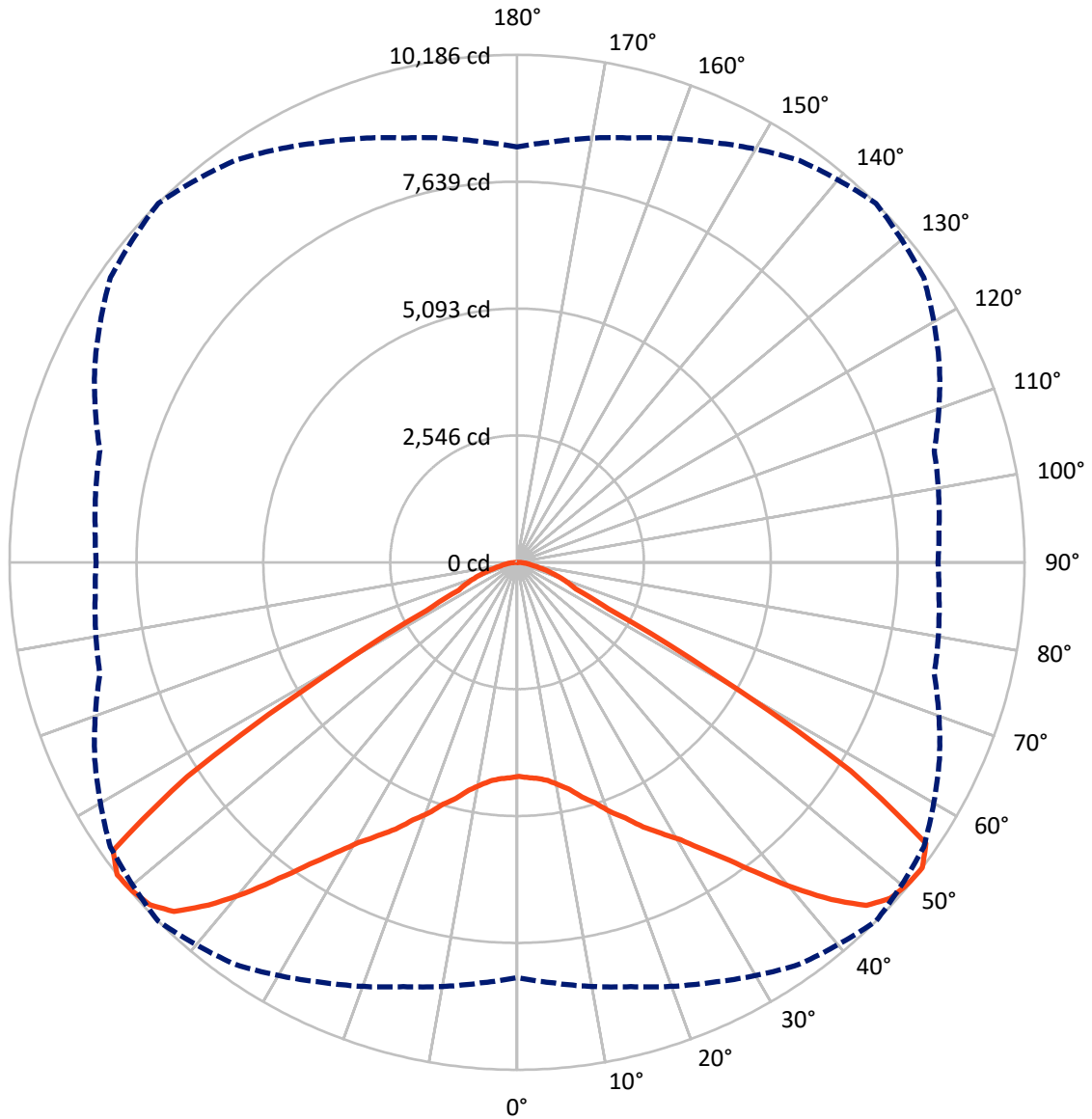
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 52.5-Deg Vertical

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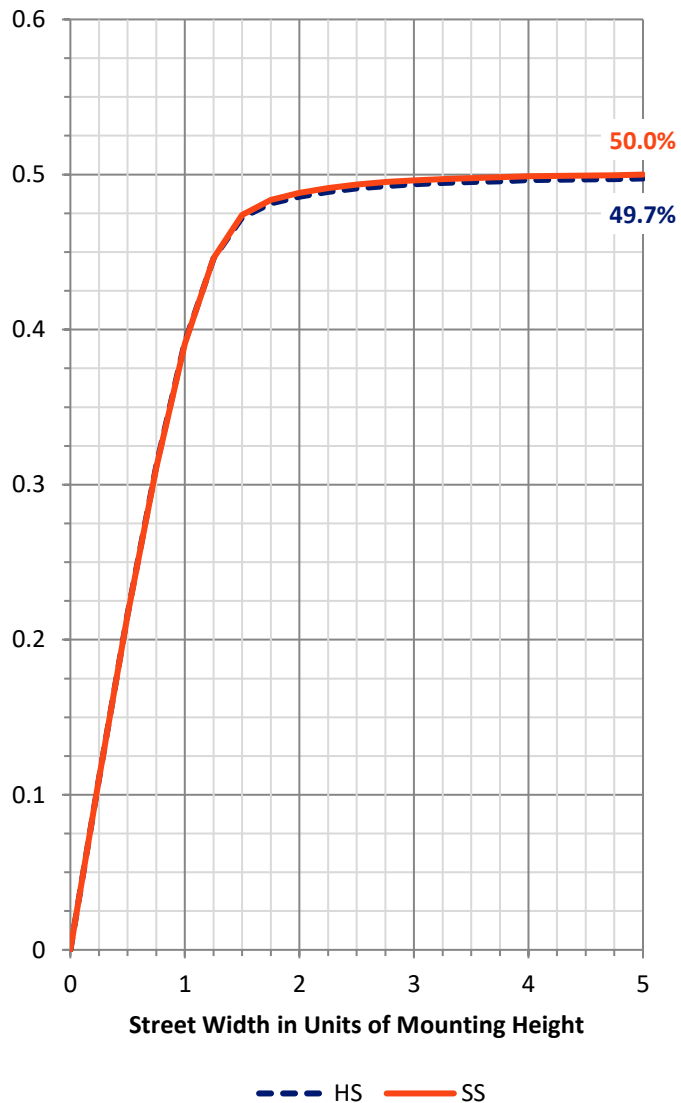
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 12856.5  | 0.0    | 12856.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 12856.5  | 0.0    | 12856.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 25713.0  | 0.0    | 25713.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 422.3   | 1.6       |
| 10°-20°   | 1387.6  | 5.4       |
| 20°-30°   | 2641.8  | 10.3      |
| 30°-40°   | 4536.2  | 17.6      |
| 40°-50°   | 6972.3  | 27.1      |
| 50°-60°   | 7080.2  | 27.5      |
| 60°-70°   | 1973.2  | 7.7       |
| 70°-80°   | 582.1   | 2.3       |
| 80°-90°   | 117.2   | 0.5       |
| 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°    | 25713.0 | 100.0     |
| 0°-180°   | 25713.0 | 100.0     |

**Coefficient of Utilization**

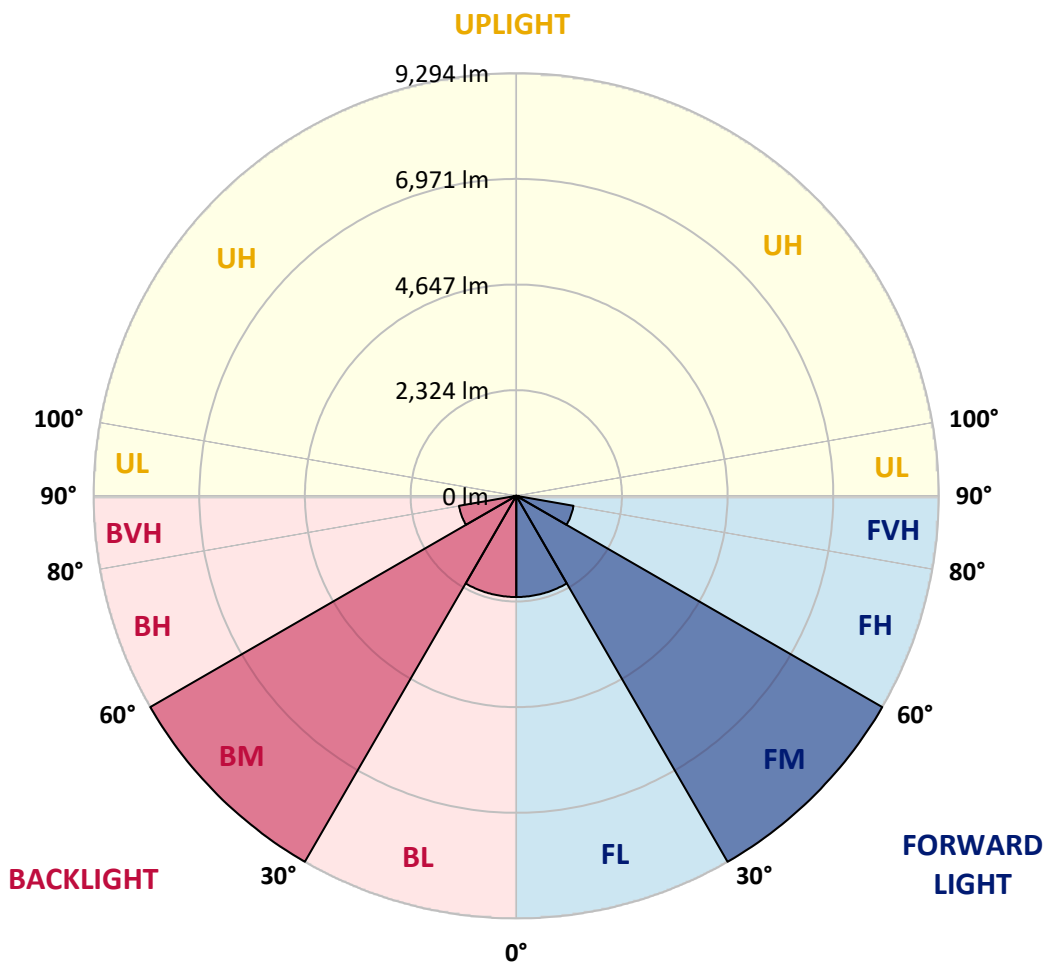


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 2225.9 | 8.7       |                         |      |         |
| FM (30°-60°)   | 9294.4 | 36.1      |                         |      |         |
| FH (60°-80°)   | 1277.6 | 5.0       |                         |      | G1/1800 |
| FVH (80°-90°)  | 58.6   | 0.2       |                         |      | G1/100  |
| BL (0°-30°)    | 2225.9 | 8.7       | B3/2500                 |      |         |
| BM (30°-60°)   | 9294.4 | 36.1      | B5                      |      |         |
| BH (60°-80°)   | 1277.6 | 5.0       | B3/2500                 |      | G1/1800 |
| BVH (80°-90°)  | 58.6   | 0.2       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B5-U0-G1**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°     | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| 0°    | 4298.3 | 4298.3 | 4298.3 | 4298.3 | 4298.3 | 4298.3  | 4298.3 | 4298.3 | 4298.3 | 4298.3 | 4298.3 |
| 2.5°  | 4307.8 | 4263.2 | 4279.1 | 4288.7 | 4330.2 | 4327.0  | 4317.4 | 4330.2 | 4342.9 | 4346.1 | 4339.7 |
| 5°    | 4304.6 | 4272.7 | 4285.5 | 4295.1 | 4336.6 | 4358.9  | 4352.5 | 4406.8 | 4445.1 | 4435.5 | 4483.3 |
| 7.5°  | 4279.1 | 4298.3 | 4282.3 | 4330.2 | 4365.3 | 4419.5  | 4477.0 | 4528.0 | 4575.9 | 4630.1 | 4639.7 |
| 10°   | 4336.6 | 4336.6 | 4365.3 | 4403.6 | 4496.1 | 4537.6  | 4620.6 | 4693.9 | 4786.5 | 4850.3 | 4824.8 |
| 12.5° | 4397.2 | 4406.8 | 4406.8 | 4505.7 | 4582.3 | 4674.8  | 4751.4 | 4850.3 | 4981.1 | 5057.7 | 5096.0 |
| 15°   | 4457.8 | 4464.2 | 4496.1 | 4630.1 | 4745.0 | 4891.8  | 4962.0 | 5051.3 | 5124.7 | 5268.3 | 5271.5 |
| 17.5° | 4512.1 | 4547.2 | 4642.9 | 4792.9 | 4936.5 | 5076.9  | 5188.6 | 5281.1 | 5344.9 | 5402.4 | 5389.6 |
| 20°   | 4716.3 | 4741.8 | 4840.7 | 4990.7 | 5204.5 | 5341.7  | 5380.0 | 5396.0 | 5437.5 | 5552.3 | 5517.2 |
| 22.5° | 4914.1 | 4923.7 | 5016.2 | 5246.0 | 5396.0 | 5577.9  | 5619.3 | 5609.8 | 5625.7 | 5654.4 | 5705.5 |
| 25°   | 5118.4 | 5134.3 | 5261.9 | 5456.6 | 5667.2 | 5884.2  | 5919.3 | 5845.9 | 5823.6 | 5855.5 | 5858.7 |
| 27.5° | 5380.0 | 5383.2 | 5545.9 | 5715.1 | 5954.4 | 6158.6  | 6212.9 | 6155.4 | 6050.1 | 6075.6 | 6117.1 |
| 30°   | 5711.9 | 5689.5 | 5852.3 | 6094.8 | 6346.9 | 6461.8  | 6554.3 | 6525.6 | 6410.7 | 6388.4 | 6353.3 |
| 32.5° | 6094.8 | 6101.2 | 6248.0 | 6512.8 | 6678.7 | 6870.2  | 6969.1 | 6921.3 | 6847.9 | 6809.6 | 6831.9 |
| 35°   | 6634.1 | 6662.8 | 6761.7 | 6981.9 | 7249.9 | 7345.7  | 7502.0 | 7399.9 | 7208.5 | 7256.3 | 7297.8 |
| 37.5° | 7077.6 | 7160.6 | 7345.7 | 7607.3 | 7766.9 | 7942.4  | 7999.8 | 7862.6 | 7722.2 | 7664.8 | 7802.0 |
| 40°   | 7757.3 | 7731.8 | 7936.0 | 8197.7 | 8433.8 | 8609.3  | 8535.9 | 8398.7 | 8050.9 | 8054.1 | 8092.4 |
| 42.5° | 8341.3 | 8354.0 | 8510.4 | 8823.1 | 9145.4 | 9253.9  | 9020.9 | 8685.9 | 8299.8 | 8258.3 | 8341.3 |
| 45°   | 8832.7 | 8883.7 | 8973.1 | 9391.1 | 9707.0 | 9825.1  | 9394.3 | 8998.6 | 8481.7 | 8309.3 | 8446.6 |
| 47.5° | 9008.2 | 9091.1 | 9285.8 | 9668.7 | 9981.4 | 10077.2 | 9732.5 | 9164.5 | 8650.8 | 8370.0 | 8443.4 |
| 50°   | 9033.7 | 9005.0 | 9324.1 | 9675.1 | 9949.5 | 10156.9 | 9853.8 | 9285.8 | 8609.3 | 8462.5 | 8440.2 |
| 52.5° | 8334.9 | 8475.3 | 8816.7 | 9298.6 | 9853.8 | 10185.6 | 9962.3 | 9352.8 | 8666.7 | 8500.8 | 8446.6 |
| 55°   | 6745.8 | 6579.8 | 7202.1 | 8012.6 | 9033.7 | 9955.9  | 9924.0 | 9387.9 | 8701.8 | 8564.6 | 8491.2 |
| 57.5° | 3765.4 | 3813.2 | 4164.2 | 5045.0 | 6362.8 | 7894.5  | 8823.1 | 9017.7 | 8685.9 | 8606.1 | 8644.4 |
| 60°   | 1742.3 | 1758.2 | 1908.2 | 2319.9 | 3136.7 | 4477.0  | 5699.1 | 6940.4 | 7511.6 | 7626.5 | 7626.5 |
| 62.5° | 1298.7 | 1292.4 | 1330.6 | 1404.0 | 1576.4 | 2058.2  | 2747.4 | 3733.5 | 4518.4 | 5067.3 | 5210.9 |
| 65°   | 1174.3 | 1171.1 | 1190.2 | 1215.8 | 1228.5 | 1295.5  | 1448.7 | 1751.9 | 2007.1 | 2153.9 | 2128.4 |
| 67.5° | 1027.5 | 1024.3 | 1030.7 | 1046.6 | 1069.0 | 1104.1  | 1142.4 | 1206.2 | 1295.5 | 1289.2 | 1273.2 |
| 70°   | 829.7  | 829.7  | 839.2  | 852.0  | 877.5  | 919.0   | 963.7  | 1008.4 | 1084.9 | 1100.9 | 1097.7 |
| 72.5° | 612.7  | 603.1  | 622.2  | 647.8  | 673.3  | 724.4   | 772.2  | 813.7  | 867.9  | 883.9  | 877.5  |
| 75°   | 389.3  | 395.7  | 408.4  | 437.2  | 481.8  | 516.9   | 568.0  | 603.1  | 638.2  | 651.0  | 654.2  |
| 77.5° | 217.0  | 223.4  | 245.7  | 280.8  | 325.5  | 363.8   | 408.4  | 437.2  | 459.5  | 462.7  | 465.9  |
| 80°   | 130.8  | 134.0  | 156.4  | 188.3  | 226.6  | 268.0   | 303.1  | 331.9  | 351.0  | 341.4  | 338.2  |
| 82.5° | 79.8   | 83.0   | 102.1  | 130.8  | 162.7  | 194.7   | 232.9  | 258.5  | 277.6  | 264.9  | 252.1  |
| 85°   | 41.5   | 44.7   | 60.6   | 79.8   | 105.3  | 121.3   | 121.3  | 108.5  | 105.3  | 98.9   | 95.7   |
| 87.5° | 12.8   | 12.8   | 16.0   | 19.1   | 16.0   | 19.1    | 22.3   | 25.5   | 25.5   | 28.7   | 25.5   |
| 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)