

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: P532806

Luminaire Tested: **GLAN-SA8B-722-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532806  
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-SA8B-722-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 2200K, 800mA 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: 29597 lumens  
Efficiency: N/A  
Efficacy: 91.1 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): 325  
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



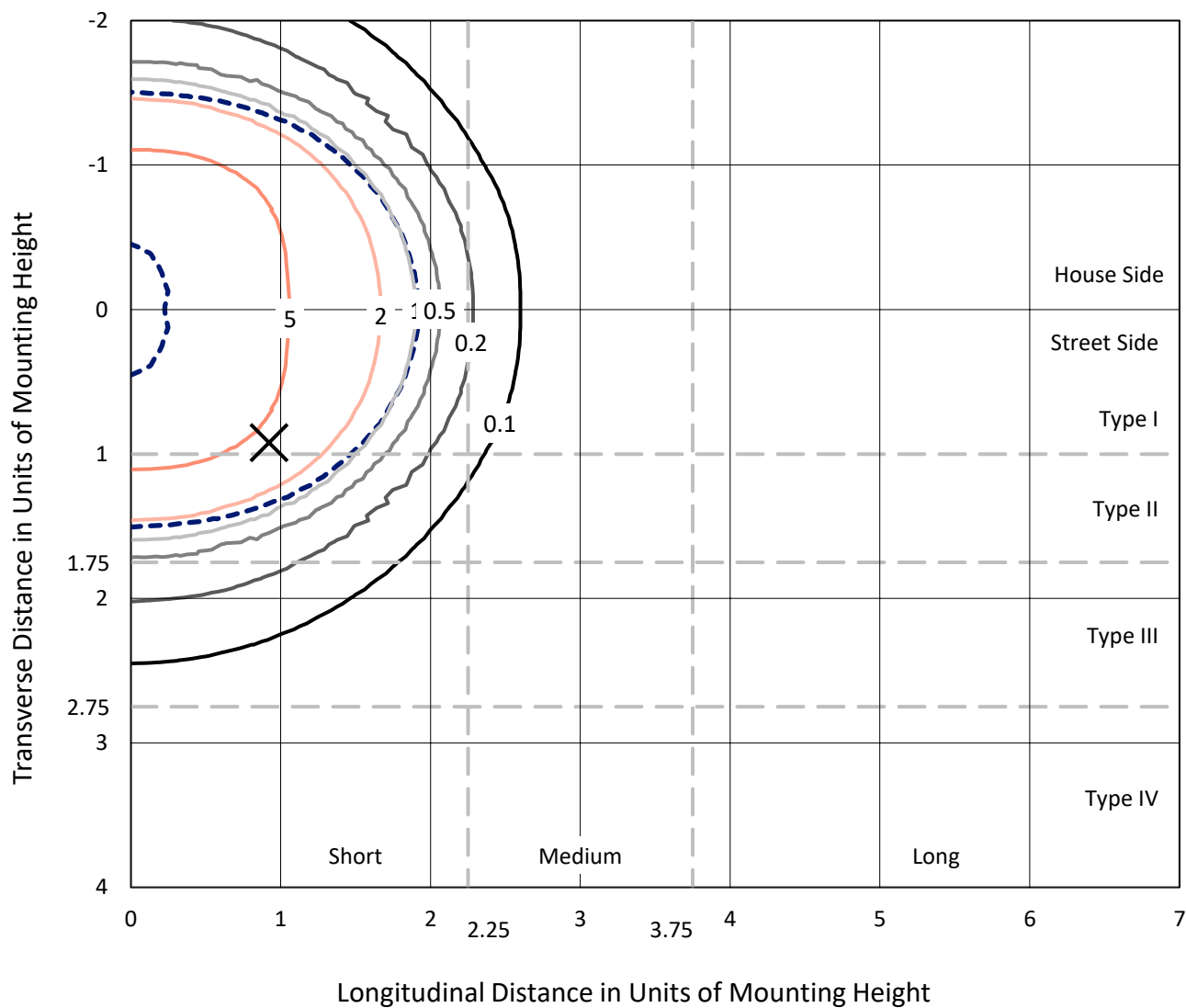
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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

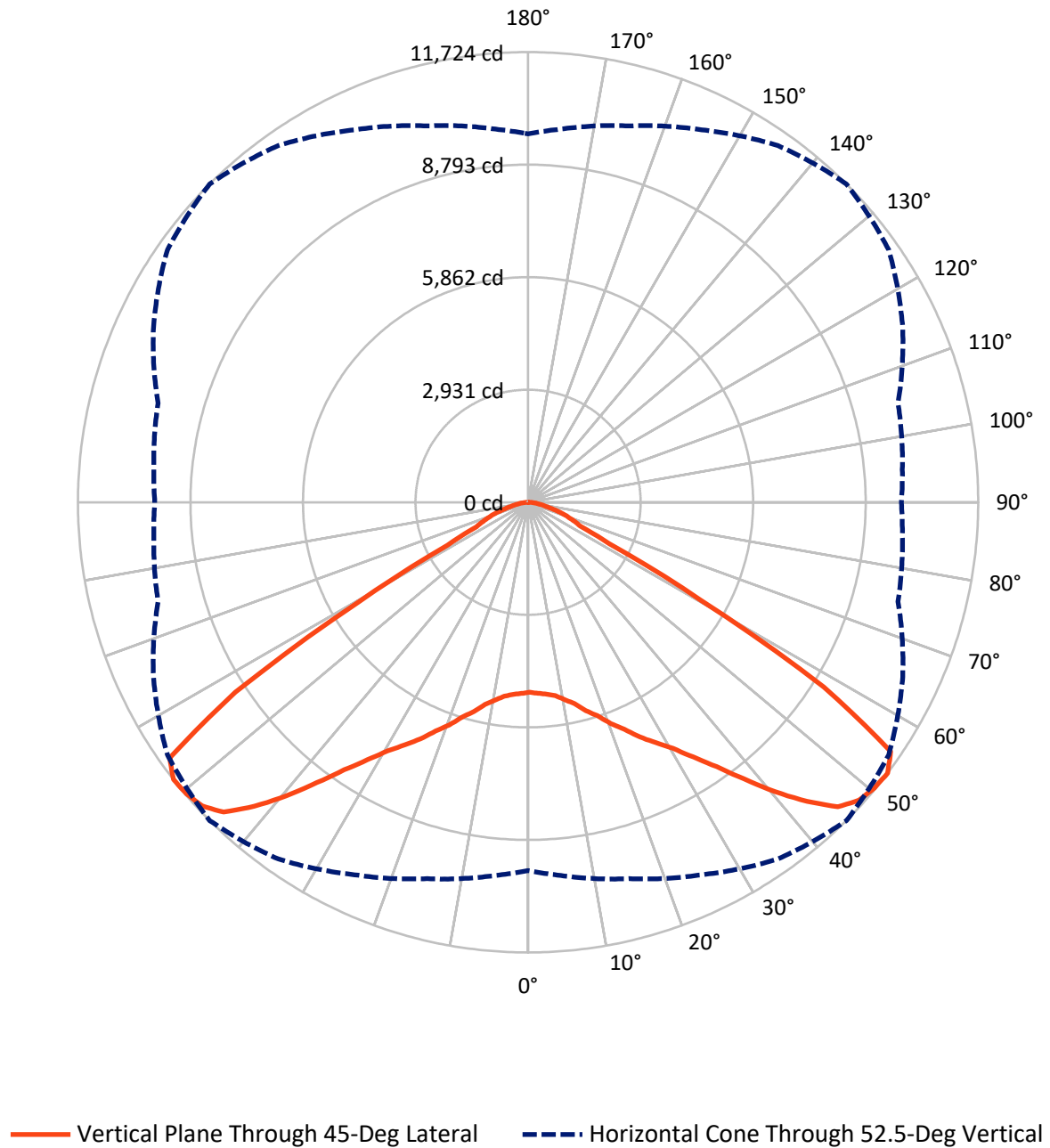


Based on 25 foot mounting height. Maximum calculated value = 8.8 fc

Type V - Short - N/A

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## Luminous Intensity Polar Plot



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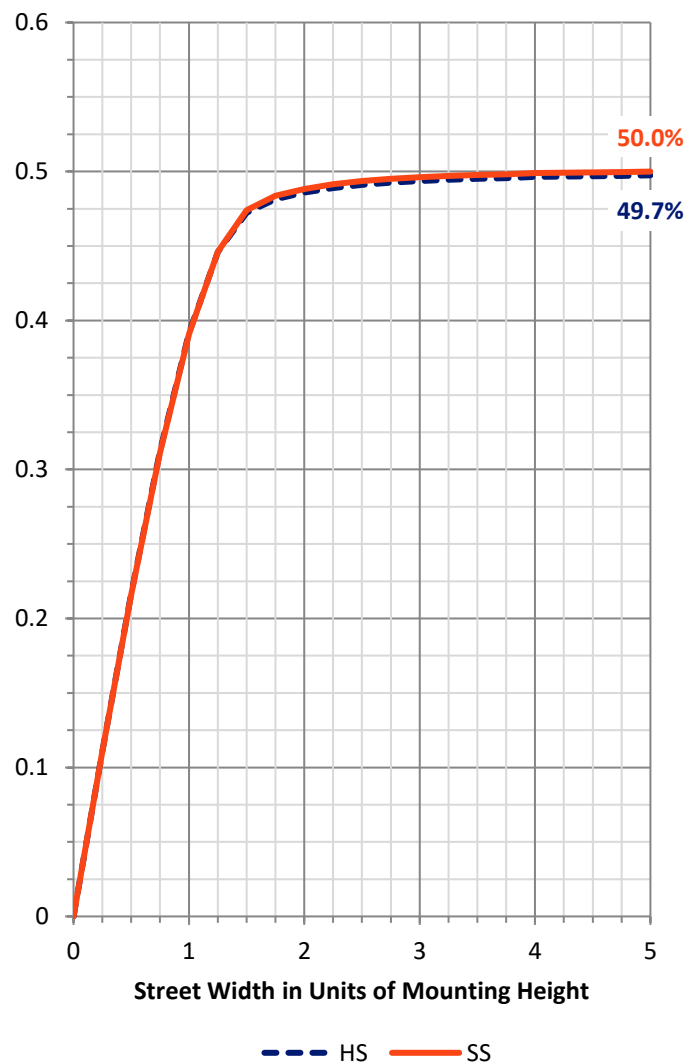
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 14798.5  | 0.0    | 14798.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 14798.5  | 0.0    | 14798.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 29597.0  | 0.0    | 29597.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 486.1   | 1.6       |
| 10°-20°   | 1597.2  | 5.4       |
| 20°-30°   | 3040.9  | 10.3      |
| 30°-40°   | 5221.4  | 17.6      |
| 40°-50°   | 8025.5  | 27.1      |
| 50°-60°   | 8149.7  | 27.5      |
| 60°-70°   | 2271.2  | 7.7       |
| 70°-80°   | 670.0   | 2.3       |
| 80°-90°   | 135.0   | 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°    | 29597.0 | 100.0     |
| 0°-180°   | 29597.0 | 100.0     |

**Coefficient of Utilization**



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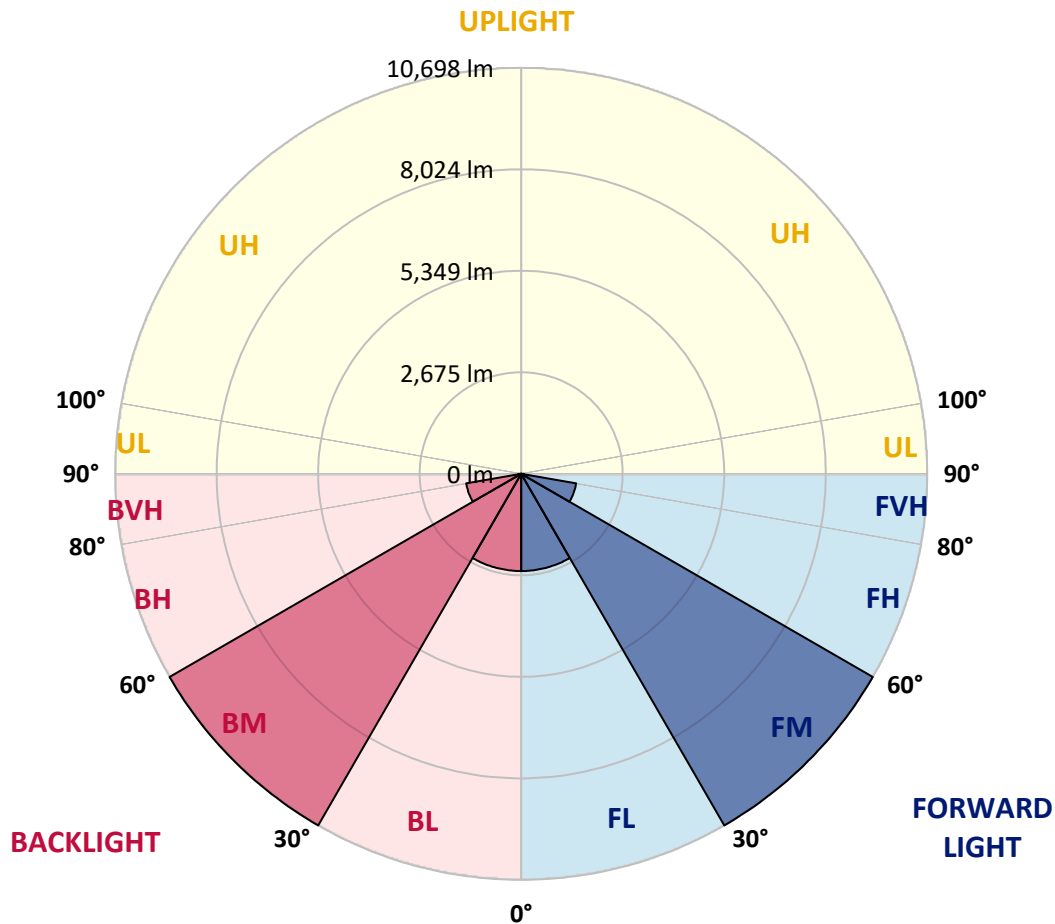
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2562.1  | 8.7       |                         |      |         |
| FM   | (30°-60°)   | 10698.3 | 36.1      |                         |      |         |
| FH   | (60°-80°)   | 1470.6  | 5.0       |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 67.5    | 0.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 2562.1  | 8.7       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 10698.3 | 36.1      | B5                      |      |         |
| BH   | (60°-80°)   | 1470.6  | 5.0       | B3/2500                 |      | G1/1800 |
| BVH  | (80°-90°)   | 67.5    | 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°    | 4947.5  | 4947.5  | 4947.5  | 4947.5  | 4947.5  | 4947.5  | 4947.5  | 4947.5  | 4947.5  | 4947.5 | 4947.5 |
| 2.5°  | 4958.5  | 4907.1  | 4925.5  | 4936.5  | 4984.3  | 4980.6  | 4969.6  | 4984.3  | 4999.0  | 5002.6 | 4995.3 |
| 5°    | 4954.9  | 4918.1  | 4932.8  | 4943.9  | 4991.6  | 5017.3  | 5010.0  | 5072.4  | 5116.5  | 5105.5 | 5160.6 |
| 7.5°  | 4925.5  | 4947.5  | 4929.2  | 4984.3  | 5024.7  | 5087.1  | 5153.2  | 5212.0  | 5267.1  | 5329.5 | 5340.5 |
| 10°   | 4991.6  | 4991.6  | 5024.7  | 5068.7  | 5175.3  | 5223.0  | 5318.5  | 5403.0  | 5509.5  | 5583.0 | 5553.6 |
| 12.5° | 5061.4  | 5072.4  | 5072.4  | 5186.3  | 5274.4  | 5380.9  | 5469.1  | 5583.0  | 5733.6  | 5821.7 | 5865.8 |
| 15°   | 5131.2  | 5138.5  | 5175.3  | 5329.5  | 5461.7  | 5630.7  | 5711.5  | 5814.4  | 5898.8  | 6064.1 | 6067.8 |
| 17.5° | 5193.6  | 5234.0  | 5344.2  | 5516.8  | 5682.1  | 5843.7  | 5972.3  | 6078.8  | 6152.3  | 6218.4 | 6203.7 |
| 20°   | 5428.7  | 5458.1  | 5571.9  | 5744.6  | 5990.7  | 6148.6  | 6192.7  | 6211.0  | 6258.8  | 6391.0 | 6350.6 |
| 22.5° | 5656.4  | 5667.4  | 5774.0  | 6038.4  | 6211.0  | 6420.4  | 6468.1  | 6457.1  | 6475.5  | 6508.6 | 6567.3 |
| 25°   | 5891.5  | 5909.9  | 6056.8  | 6280.8  | 6523.2  | 6773.0  | 6813.4  | 6728.9  | 6703.2  | 6740.0 | 6743.6 |
| 27.5° | 6192.7  | 6196.3  | 6383.7  | 6578.3  | 6853.8  | 7088.9  | 7151.3  | 7085.2  | 6964.0  | 6993.4 | 7041.1 |
| 30°   | 6574.7  | 6549.0  | 6736.3  | 7015.4  | 7305.6  | 7437.8  | 7544.3  | 7511.3  | 7379.1  | 7353.3 | 7312.9 |
| 32.5° | 7015.4  | 7022.8  | 7191.7  | 7496.6  | 7687.6  | 7908.0  | 8021.8  | 7966.7  | 7882.3  | 7838.2 | 7863.9 |
| 35°   | 7636.2  | 7669.2  | 7783.1  | 8036.5  | 8345.1  | 8455.2  | 8635.2  | 8517.7  | 8297.3  | 8352.4 | 8400.1 |
| 37.5° | 8146.7  | 8242.2  | 8455.2  | 8756.4  | 8940.1  | 9142.1  | 9208.2  | 9050.3  | 8888.7  | 8822.5 | 8980.5 |
| 40°   | 8929.1  | 8899.7  | 9134.7  | 9435.9  | 9707.7  | 9909.7  | 9825.3  | 9667.3  | 9267.0  | 9270.6 | 9314.7 |
| 42.5° | 9601.2  | 9615.9  | 9795.9  | 10155.8 | 10526.8 | 10651.7 | 10383.6 | 9997.9  | 9553.5  | 9505.7 | 9601.2 |
| 45°   | 10166.9 | 10225.6 | 10328.5 | 10809.6 | 11173.3 | 11309.2 | 10813.3 | 10357.9 | 9762.8  | 9564.5 | 9722.4 |
| 47.5° | 10368.9 | 10464.4 | 10688.4 | 11129.2 | 11489.1 | 11599.3 | 11202.6 | 10548.9 | 9957.5  | 9634.3 | 9718.8 |
| 50°   | 10398.3 | 10365.2 | 10732.5 | 11136.5 | 11452.4 | 11691.2 | 11342.2 | 10688.4 | 9909.7  | 9740.8 | 9715.1 |
| 52.5° | 9593.9  | 9755.5  | 10148.5 | 10703.1 | 11342.2 | 11724.2 | 11467.1 | 10765.6 | 9975.9  | 9784.9 | 9722.4 |
| 55°   | 7764.7  | 7573.7  | 8290.0  | 9222.9  | 10398.3 | 11459.8 | 11423.0 | 10806.0 | 10016.3 | 9858.3 | 9773.8 |
| 57.5° | 4334.1  | 4389.2  | 4793.3  | 5807.0  | 7324.0  | 9087.0  | 10155.8 | 10379.9 | 9997.9  | 9906.1 | 9950.2 |
| 60°   | 2005.5  | 2023.8  | 2196.5  | 2670.3  | 3610.6  | 5153.2  | 6560.0  | 7988.8  | 8646.2  | 8778.5 | 8778.5 |
| 62.5° | 1494.9  | 1487.6  | 1531.6  | 1616.1  | 1814.5  | 2369.1  | 3162.5  | 4297.4  | 5201.0  | 5832.7 | 5998.0 |
| 65°   | 1351.7  | 1348.0  | 1370.0  | 1399.4  | 1414.1  | 1491.2  | 1667.5  | 2016.5  | 2310.3  | 2479.3 | 2449.9 |
| 67.5° | 1182.7  | 1179.0  | 1186.4  | 1204.7  | 1230.5  | 1270.9  | 1314.9  | 1388.4  | 1491.2  | 1483.9 | 1465.5 |
| 70°   | 955.0   | 955.0   | 966.0   | 980.7   | 1010.1  | 1057.8  | 1109.2  | 1160.7  | 1248.8  | 1267.2 | 1263.5 |
| 72.5° | 705.2   | 694.2   | 716.2   | 745.6   | 775.0   | 833.8   | 888.9   | 936.6   | 999.1   | 1017.4 | 1010.1 |
| 75°   | 448.1   | 455.5   | 470.1   | 503.2   | 554.6   | 595.0   | 653.8   | 694.2   | 734.6   | 749.3  | 753.0  |
| 77.5° | 249.8   | 257.1   | 282.8   | 323.2   | 374.6   | 418.7   | 470.1   | 503.2   | 528.9   | 532.6  | 536.3  |
| 80°   | 150.6   | 154.3   | 180.0   | 216.7   | 260.8   | 308.5   | 348.9   | 382.0   | 404.0   | 393.0  | 389.3  |
| 82.5° | 91.8    | 95.5    | 117.5   | 150.6   | 187.3   | 224.1   | 268.1   | 297.5   | 319.6   | 304.9  | 290.2  |
| 85°   | 47.7    | 51.4    | 69.8    | 91.8    | 121.2   | 139.6   | 139.6   | 124.9   | 121.2   | 113.9  | 110.2  |
| 87.5° | 14.7    | 14.7    | 18.4    | 22.0    | 18.4    | 22.0    | 25.7    | 29.4    | 29.4    | 33.1   | 29.4   |
| 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)