

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: P532902

Luminaire Tested: **GLAN-SA8B-740-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532902  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA8B-740-U-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 40556 lumens  
Efficiency: N/A  
Efficacy: 124.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2

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



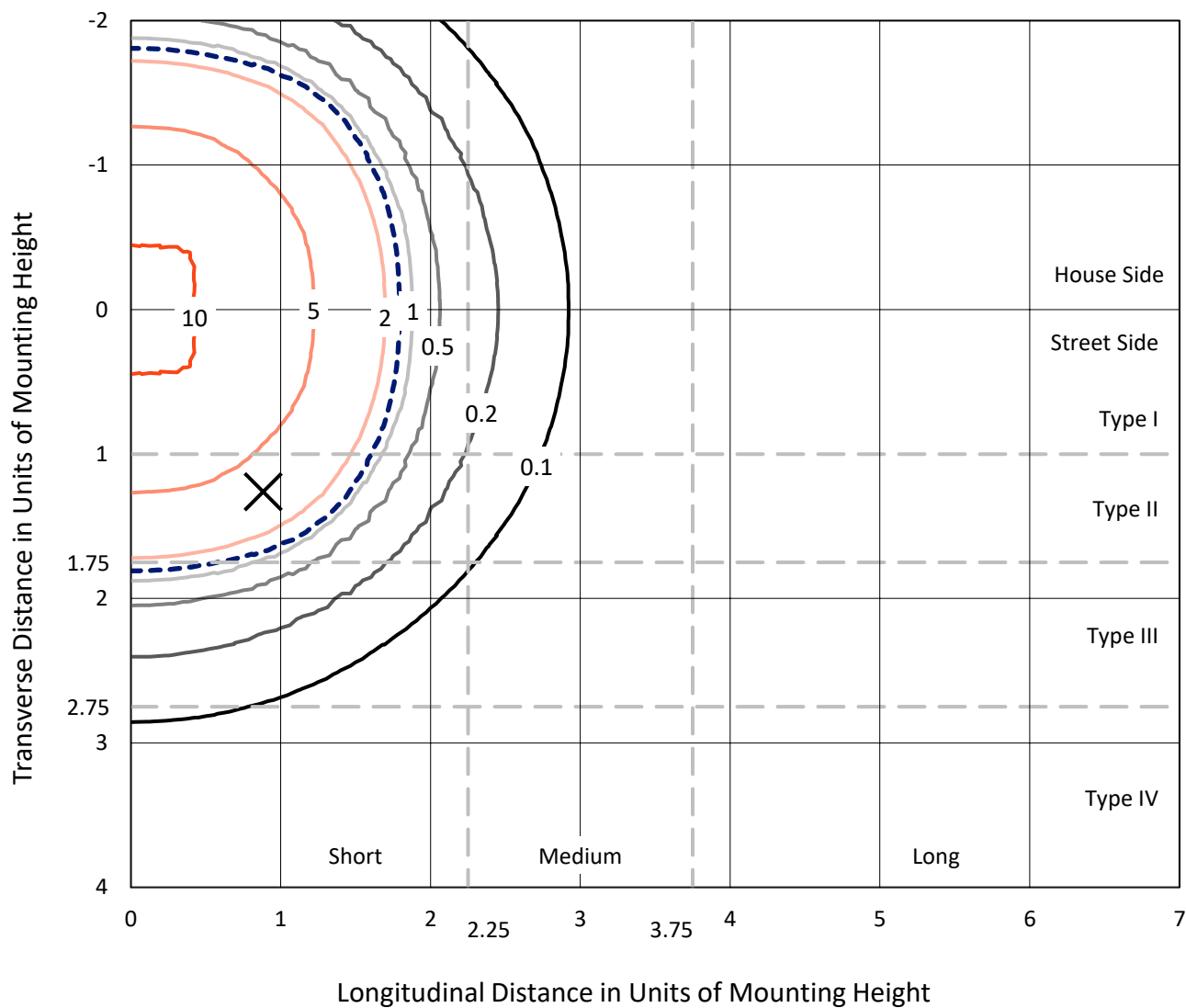
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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

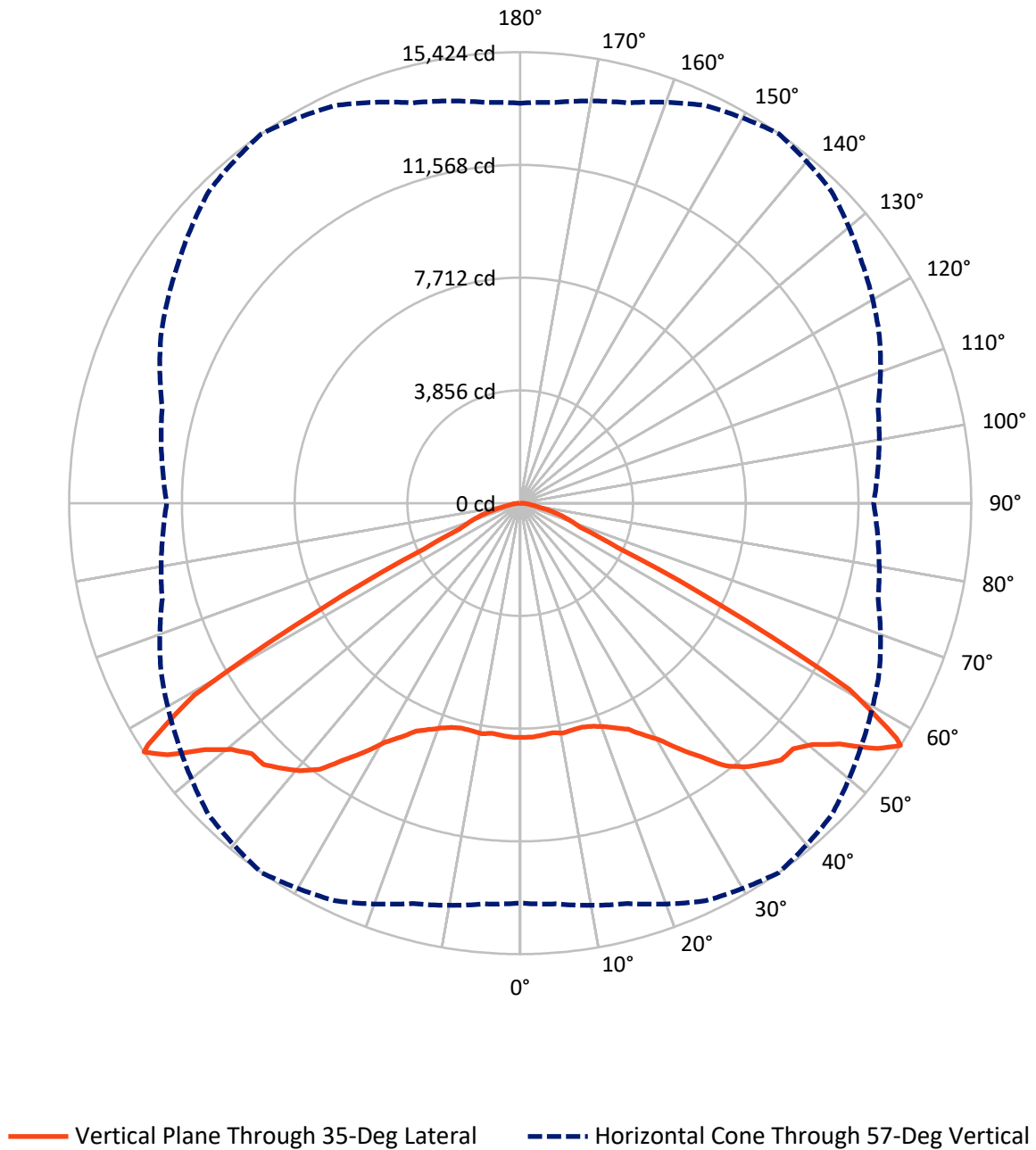


Based on 25 foot mounting height. Maximum calculated value = 12.8 fc  
 Type V - Short - N/A

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## Luminous Intensity Polar Plot



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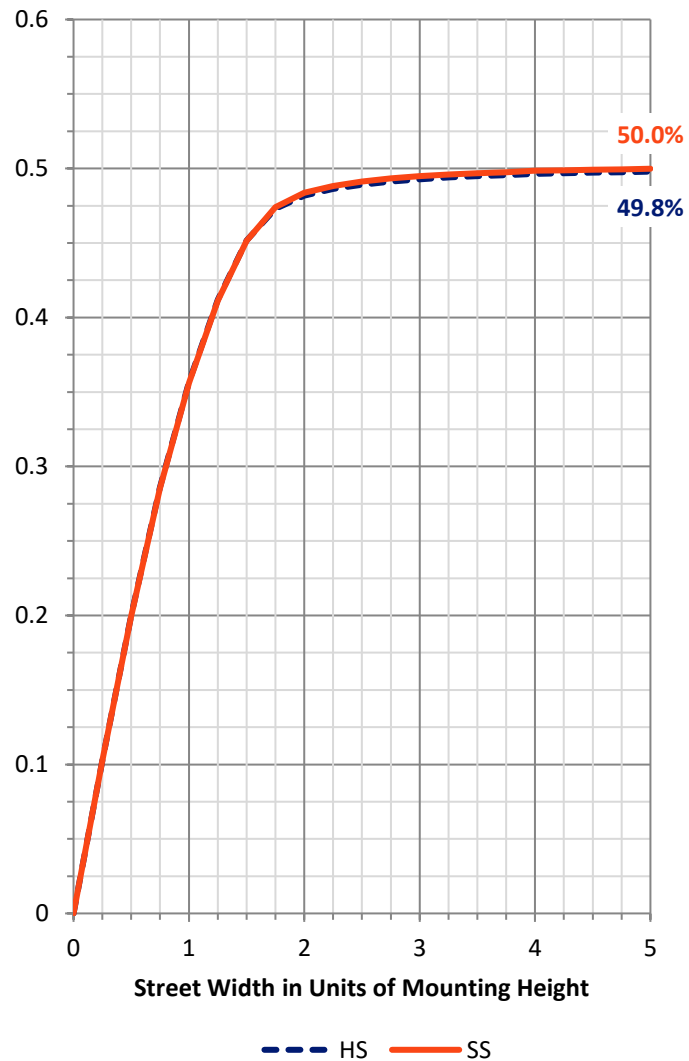
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 20278.0  | 0.0    | 20278.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 20278.0  | 0.0    | 20278.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 40556.0  | 0.0    | 40556.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 759.3   | 1.9       |
| 10°-20°   | 2248.9  | 5.5       |
| 20°-30°   | 3927.7  | 9.7       |
| 30°-40°   | 6435.7  | 15.9      |
| 40°-50°   | 9436.2  | 23.3      |
| 50°-60°   | 11885.7 | 29.3      |
| 60°-70°   | 4470.1  | 11.0      |
| 70°-80°   | 1188.6  | 2.9       |
| 80°-90°   | 203.8   | 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°    | 40556.0 | 100.0     |
| 0°-180°   | 40556.0 | 100.0     |

**Coefficient of Utilization**



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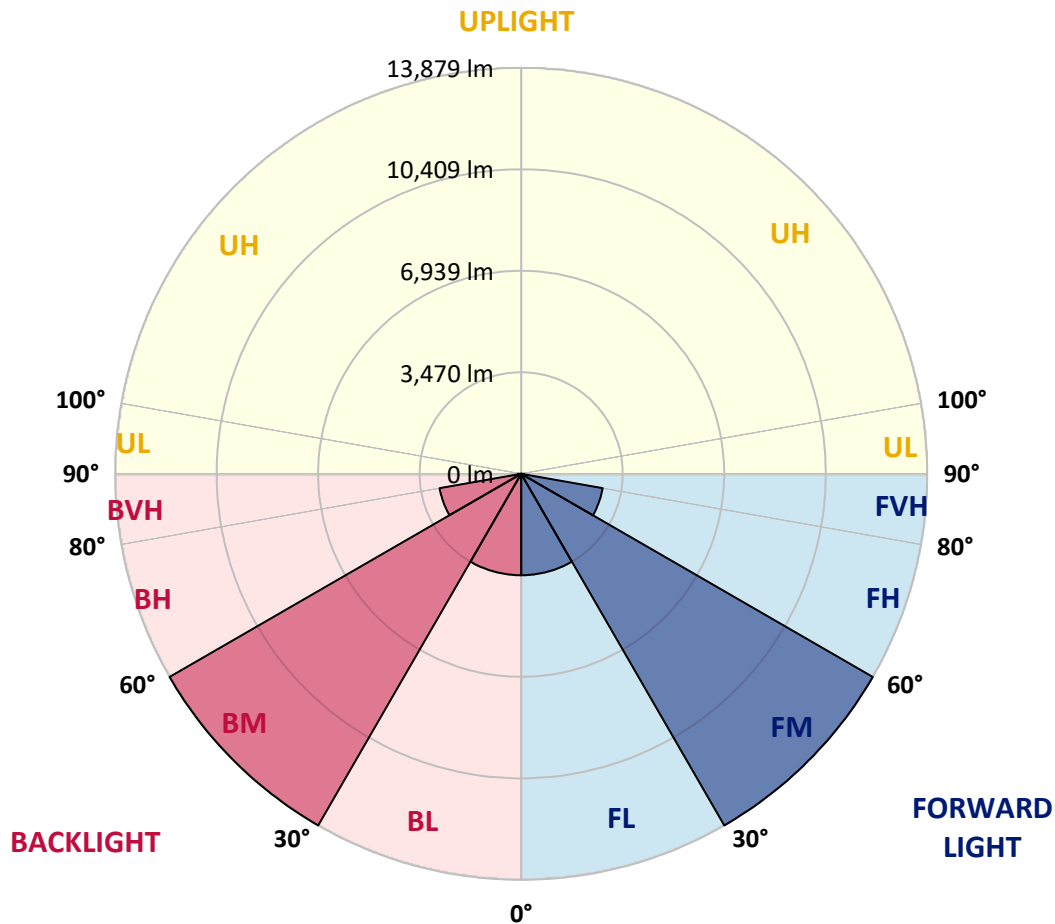
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 3468.0  | 8.6       |                         |      |         |
| FM   | (30°-60°)   | 13878.8 | 34.2      |                         |      |         |
| FH   | (60°-80°)   | 2829.3  | 7.0       |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 101.9   | 0.3       |                         |      | G2/225  |
| BL   | (0°-30°)    | 3468.0  | 8.6       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 13878.8 | 34.2      | B5                      |      |         |
| BH   | (60°-80°)   | 2829.3  | 7.0       | B4/5000                 |      | G2/5000 |
| BVH  | (80°-90°)   | 101.9   | 0.3       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B5-U0-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     | 90°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 8009.5  | 8009.5  | 8009.5  | 8009.5  | 8009.5  | 8009.5  | 8009.5  | 8009.5  | 8009.5  | 8009.5  | 8009.5  |
| 2.5°  | 7969.5  | 8049.5  | 8014.5  | 7994.5  | 8009.5  | 7984.5  | 7944.6  | 7989.5  | 7979.5  | 7939.6  | 7924.6  |
| 5°    | 7949.6  | 8009.5  | 7969.5  | 8009.5  | 7969.5  | 8039.5  | 8019.5  | 7944.6  | 8034.5  | 7949.6  | 7979.5  |
| 7.5°  | 7934.6  | 7954.5  | 7964.5  | 7944.6  | 7929.6  | 8014.5  | 7969.5  | 7934.6  | 7884.6  | 7869.6  | 7894.6  |
| 10°   | 7899.6  | 7949.6  | 7874.6  | 7974.5  | 7994.5  | 7934.6  | 7934.6  | 7869.6  | 7829.6  | 7804.7  | 7889.6  |
| 12.5° | 7989.5  | 7904.6  | 7894.6  | 7944.6  | 7959.5  | 7984.5  | 7914.6  | 7879.6  | 7804.7  | 7814.6  | 7799.7  |
| 15°   | 7884.6  | 7919.6  | 7924.6  | 7934.6  | 7949.6  | 8009.5  | 7944.6  | 7869.6  | 7839.6  | 7734.7  | 7744.7  |
| 17.5° | 7924.6  | 7889.6  | 7924.6  | 8039.5  | 8019.5  | 8064.5  | 7994.5  | 7879.6  | 7809.6  | 7749.7  | 7829.6  |
| 20°   | 7994.5  | 7979.5  | 7994.5  | 8134.4  | 8159.4  | 8199.4  | 8139.4  | 8034.5  | 7899.6  | 7829.6  | 7869.6  |
| 22.5° | 8069.5  | 8059.5  | 8069.5  | 8204.4  | 8349.3  | 8399.2  | 8339.3  | 8094.5  | 8024.5  | 7894.6  | 7849.6  |
| 25°   | 8204.4  | 8214.4  | 8319.3  | 8469.2  | 8564.1  | 8659.1  | 8549.1  | 8374.3  | 8149.4  | 8069.5  | 7974.5  |
| 27.5° | 8504.2  | 8529.2  | 8589.1  | 8809.0  | 8973.9  | 9058.8  | 8903.9  | 8664.1  | 8524.2  | 8359.3  | 8334.3  |
| 30°   | 8873.9  | 8873.9  | 8978.8  | 9168.7  | 9393.6  | 9523.5  | 9333.6  | 9048.8  | 8878.9  | 8789.0  | 8734.0  |
| 32.5° | 9363.6  | 9308.6  | 9348.6  | 9683.4  | 10033.1 | 10143.0 | 9888.2  | 9538.5  | 9268.6  | 9148.7  | 9108.8  |
| 35°   | 9783.3  | 9818.3  | 9908.2  | 10268.0 | 10657.7 | 10912.5 | 10512.8 | 10058.1 | 9783.3  | 9673.4  | 9653.4  |
| 37.5° | 10327.9 | 10387.9 | 10432.9 | 10927.5 | 11397.2 | 11492.1 | 11107.4 | 10742.6 | 10407.9 | 10317.9 | 10268.0 |
| 40°   | 11097.4 | 11057.4 | 11072.4 | 11437.2 | 11861.9 | 11921.8 | 11542.1 | 11282.3 | 11007.5 | 10952.5 | 10952.5 |
| 42.5° | 11732.0 | 11687.0 | 11737.0 | 11871.9 | 12196.6 | 12151.7 | 11941.8 | 11751.9 | 11637.0 | 11577.1 | 11637.0 |
| 45°   | 12116.7 | 12106.7 | 12196.6 | 12296.6 | 12526.4 | 12376.5 | 12211.6 | 12241.6 | 12131.7 | 12031.8 | 12026.8 |
| 47.5° | 12536.4 | 12471.5 | 12581.4 | 12731.3 | 12556.4 | 12486.4 | 12476.5 | 12541.4 | 12506.4 | 12331.5 | 12276.6 |
| 50°   | 12741.3 | 12716.3 | 12891.2 | 13066.0 | 12971.1 | 12811.2 | 12846.2 | 12951.1 | 12501.4 | 12266.6 | 12131.7 |
| 52.5° | 13290.9 | 13295.9 | 13630.7 | 13725.6 | 13685.6 | 13450.8 | 13525.7 | 13240.9 | 12711.3 | 12381.5 | 12396.5 |
| 55°   | 14155.3 | 14120.3 | 14495.1 | 14774.9 | 14819.8 | 14520.0 | 14160.3 | 13760.6 | 13096.0 | 12761.3 | 12661.3 |
| 57°   | 13680.6 | 13760.6 | 14175.3 | 15004.7 | 15424.4 | 15069.7 | 14285.2 | 13555.7 | 12671.3 | 12266.6 | 12086.7 |
| 57.5° | 13046.1 | 13176.0 | 13895.5 | 14729.9 | 15169.6 | 15139.6 | 14130.3 | 13176.0 | 12386.5 | 11756.9 | 11771.9 |
| 60°   | 9558.4  | 9583.4  | 10233.0 | 11557.1 | 12931.1 | 12961.1 | 11732.0 | 10467.8 | 9588.4  | 8903.9  | 8998.8  |
| 62.5° | 5041.5  | 5156.5  | 5416.3  | 6480.6  | 7669.7  | 7959.5  | 7215.1  | 6565.5  | 5806.0  | 5286.4  | 5336.3  |
| 65°   | 2668.2  | 2653.2  | 2778.1  | 3077.9  | 3662.5  | 3812.4  | 3712.5  | 3197.8  | 2933.0  | 2848.0  | 2853.0  |
| 67.5° | 2168.5  | 2193.5  | 2178.5  | 2193.5  | 2233.5  | 2298.4  | 2283.4  | 2303.4  | 2318.4  | 2343.4  | 2338.4  |
| 70°   | 1838.7  | 1838.7  | 1848.7  | 1853.7  | 1853.7  | 1883.7  | 1918.7  | 1983.6  | 1988.6  | 2013.6  | 2023.6  |
| 72.5° | 1449.0  | 1439.0  | 1454.0  | 1489.0  | 1494.0  | 1519.0  | 1568.9  | 1608.9  | 1623.9  | 1623.9  | 1593.9  |
| 75°   | 984.3   | 994.3   | 1014.3  | 1044.3  | 1074.3  | 1119.2  | 1159.2  | 1184.2  | 1194.2  | 1179.2  | 1164.2  |
| 77.5° | 554.6   | 564.6   | 579.6   | 624.6   | 659.5   | 699.5   | 744.5   | 769.5   | 794.5   | 799.5   | 769.5   |
| 80°   | 329.8   | 329.8   | 354.8   | 389.7   | 429.7   | 469.7   | 509.7   | 539.6   | 549.6   | 549.6   | 534.6   |
| 82.5° | 199.9   | 204.9   | 224.8   | 259.8   | 294.8   | 319.8   | 354.8   | 379.7   | 399.7   | 394.7   | 384.7   |
| 85°   | 104.9   | 104.9   | 124.9   | 154.9   | 179.9   | 204.9   | 204.9   | 189.9   | 179.9   | 154.9   | 144.9   |
| 87.5° | 35.0    | 30.0    | 40.0    | 40.0    | 35.0    | 40.0    | 40.0    | 45.0    | 45.0    | 45.0    | 45.0    |
| 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)