

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: P970782

Luminaire Tested: **NVN-SB6C-722-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P970782  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: NVN-SB6C-722-U-5NQ  
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 40295.8 lumens  
Efficiency: N/A  
Efficacy: 133.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

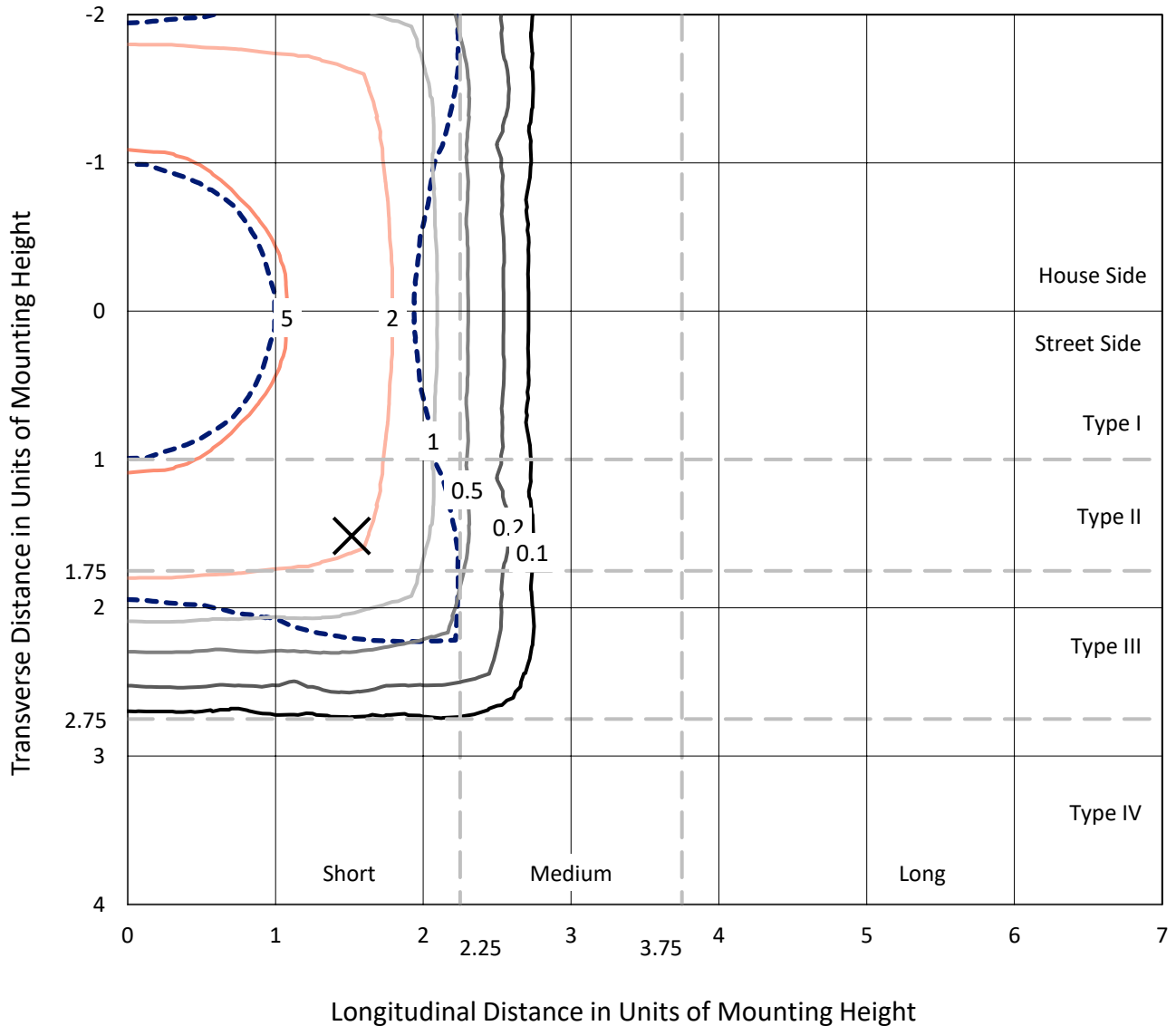
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

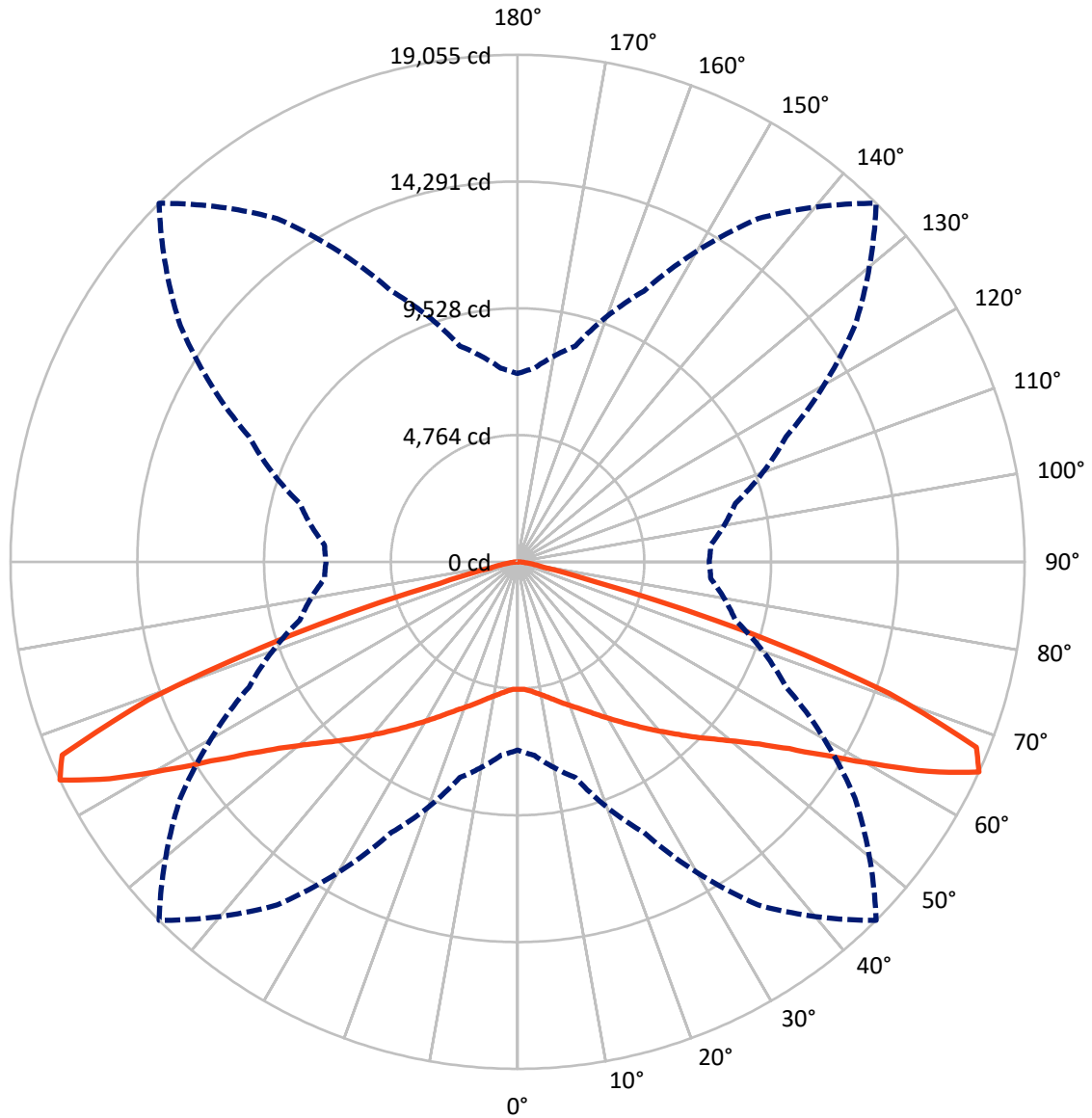
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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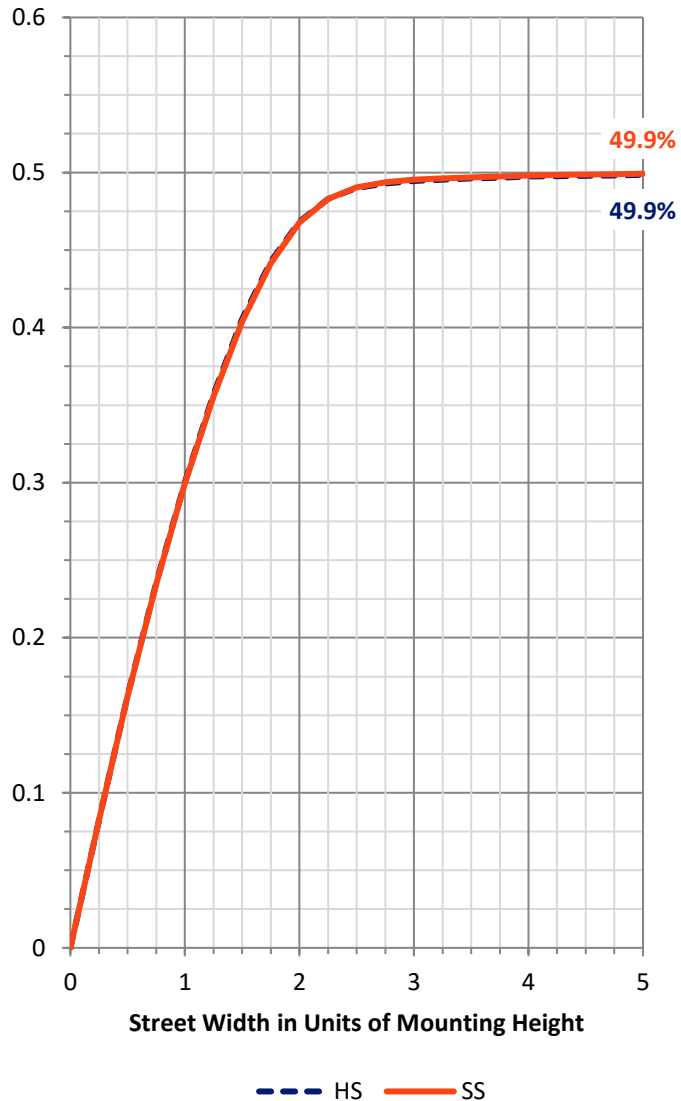
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 20147.9  | 0.0    | 20147.9 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 20147.9  | 0.0    | 20147.9 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 40295.8  | 0.0    | 40295.8 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 473.3   | 1.2       |
| 10°-20°   | 1544.4  | 3.8       |
| 20°-30°   | 2915.9  | 7.2       |
| 30°-40°   | 4774.7  | 11.8      |
| 40°-50°   | 7403.2  | 18.4      |
| 50°-60°   | 10936.1 | 27.1      |
| 60°-70°   | 10410.1 | 25.8      |
| 70°-80°   | 1679.8  | 4.2       |
| 80°-90°   | 158.3   | 0.4       |
| 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°    | 40295.8 | 100.0     |
| 0°-180°   | 40295.8 | 100.0     |

**Coefficient of Utilization**



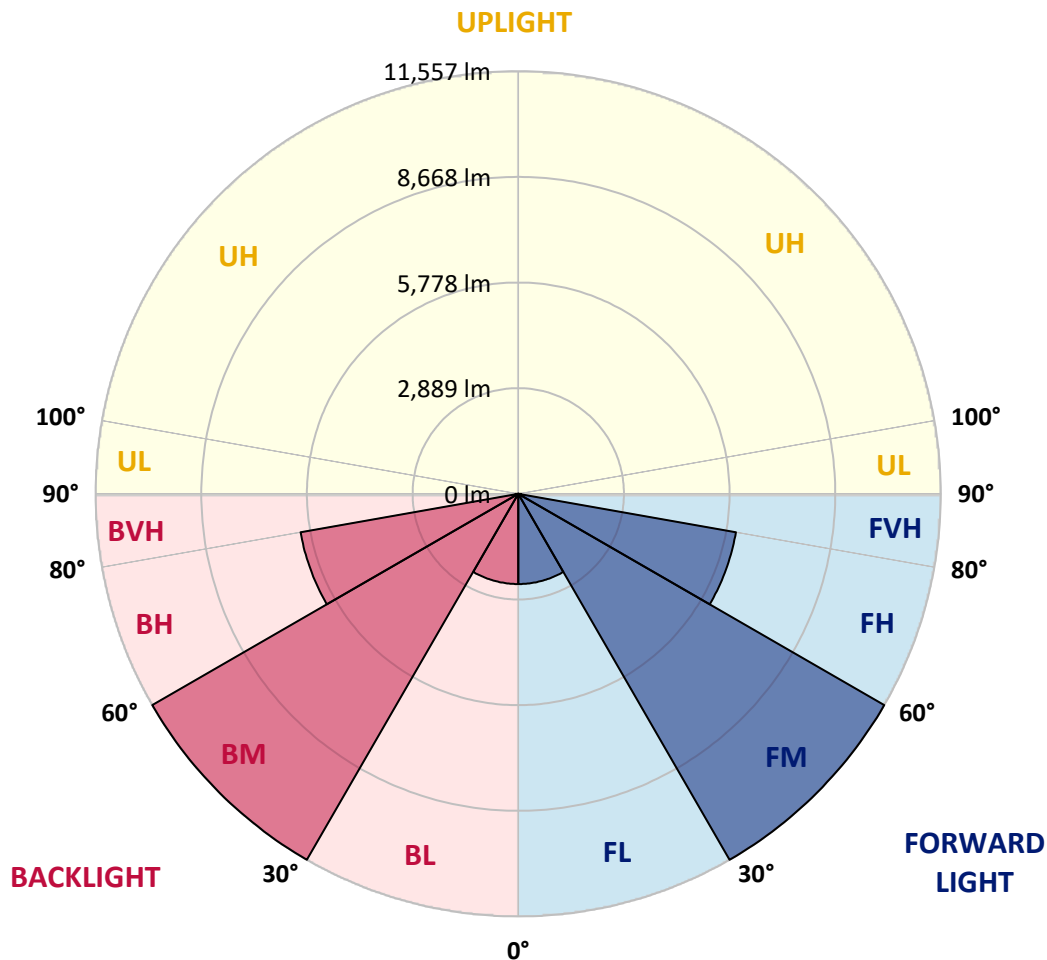
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|---------|-----------|-------------------------|------|---------|
|                |         |           | B                       | U    | G       |
| FL (0°-30°)    | 2466.8  | 6.1       |                         |      |         |
| FM (30°-60°)   | 11557.0 | 28.7      |                         |      |         |
| FH (60°-80°)   | 6045.0  | 15.0      |                         |      | G3/7500 |
| FVH (80°-90°)  | 79.2    | 0.2       |                         |      | G1/100  |
| BL (0°-30°)    | 2466.8  | 6.1       | B3/2500                 |      |         |
| BM (30°-60°)   | 11557.0 | 28.7      | B5                      |      |         |
| BH (60°-80°)   | 6045.0  | 15.0      | B5                      |      | G3/7500 |
| BVH (80°-90°)  | 79.2    | 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-G3**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     | 90°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4795.6  | 4795.6  | 4795.6  | 4795.6  | 4795.6  | 4795.6  | 4795.6  | 4795.6  | 4795.6  | 4795.6  | 4795.6  |
| 2.5°  | 4828.0  | 4811.8  | 4824.0  | 4813.8  | 4805.7  | 4797.6  | 4801.7  | 4815.9  | 4821.9  | 4824.0  | 4824.0  |
| 5°    | 4892.6  | 4878.5  | 4884.5  | 4884.5  | 4870.4  | 4866.4  | 4868.3  | 4878.5  | 4890.6  | 4890.6  | 4890.6  |
| 7.5°  | 4997.8  | 4983.7  | 4997.8  | 4989.7  | 4977.6  | 4973.5  | 4971.5  | 4979.6  | 4997.8  | 4997.8  | 4991.8  |
| 10°   | 5125.1  | 5109.0  | 5117.1  | 5113.0  | 5098.9  | 5092.8  | 5090.8  | 5103.0  | 5119.1  | 5117.1  | 5113.0  |
| 12.5° | 5264.6  | 5246.5  | 5256.6  | 5244.4  | 5240.4  | 5234.4  | 5234.4  | 5232.3  | 5242.5  | 5234.4  | 5238.4  |
| 15°   | 5420.3  | 5408.2  | 5412.2  | 5404.1  | 5410.3  | 5406.2  | 5390.0  | 5381.9  | 5386.0  | 5373.9  | 5375.8  |
| 17.5° | 5604.3  | 5576.0  | 5590.1  | 5586.1  | 5586.1  | 5594.2  | 5567.9  | 5557.9  | 5565.9  | 5553.8  | 5563.9  |
| 20°   | 5816.6  | 5788.3  | 5794.3  | 5786.2  | 5776.2  | 5784.3  | 5751.9  | 5760.0  | 5766.0  | 5757.9  | 5776.2  |
| 22.5° | 6049.1  | 6012.8  | 6010.7  | 6014.7  | 5992.5  | 5994.5  | 5972.3  | 5992.5  | 6004.7  | 5982.4  | 6004.7  |
| 25°   | 6287.7  | 6249.2  | 6275.6  | 6265.4  | 6237.1  | 6243.2  | 6227.0  | 6247.3  | 6257.3  | 6229.0  | 6261.4  |
| 27.5° | 6540.4  | 6514.1  | 6538.4  | 6544.4  | 6510.1  | 6534.3  | 6510.1  | 6528.2  | 6538.4  | 6495.9  | 6528.2  |
| 30°   | 6835.5  | 6809.3  | 6831.5  | 6847.7  | 6807.2  | 6845.7  | 6825.5  | 6837.6  | 6839.6  | 6789.1  | 6819.4  |
| 32.5° | 7157.1  | 7116.6  | 7173.2  | 7181.3  | 7136.8  | 7183.3  | 7157.1  | 7173.2  | 7183.3  | 7114.5  | 7161.1  |
| 35°   | 7549.2  | 7498.7  | 7563.4  | 7553.3  | 7514.9  | 7553.3  | 7529.0  | 7553.3  | 7577.5  | 7494.7  | 7545.2  |
| 37.5° | 7971.8  | 7919.3  | 7987.9  | 7969.8  | 7933.4  | 7959.6  | 7945.5  | 7961.7  | 8000.1  | 7911.2  | 7965.7  |
| 40°   | 8436.8  | 8372.1  | 8465.1  | 8432.8  | 8398.3  | 8394.3  | 8402.4  | 8412.5  | 8463.1  | 8364.0  | 8396.4  |
| 42.5° | 8934.1  | 8865.4  | 9004.9  | 8954.4  | 8905.8  | 8873.5  | 8899.8  | 8920.0  | 8968.5  | 8857.3  | 8916.0  |
| 45°   | 9502.3  | 9423.4  | 9605.4  | 9544.7  | 9467.9  | 9401.2  | 9443.6  | 9474.0  | 9544.7  | 9411.2  | 9480.0  |
| 47.5° | 10129.0 | 10040.1 | 10234.1 | 10216.0 | 10090.6 | 9945.1  | 10042.0 | 10129.0 | 10181.5 | 10019.8 | 10074.4 |
| 50°   | 10741.6 | 10672.8 | 10927.6 | 10949.9 | 10796.2 | 10591.9 | 10727.4 | 10858.8 | 10873.0 | 10660.7 | 10687.0 |
| 52.5° | 11315.8 | 11247.0 | 11617.0 | 11756.5 | 11619.0 | 11376.4 | 11520.0 | 11653.4 | 11546.2 | 11271.3 | 11279.4 |
| 55°   | 11774.7 | 11718.1 | 12189.2 | 12549.1 | 12595.5 | 12395.4 | 12480.3 | 12476.3 | 12124.5 | 11701.9 | 11716.1 |
| 57.5° | 11885.9 | 11877.8 | 12472.2 | 13234.4 | 13719.6 | 13743.9 | 13576.1 | 13147.5 | 12389.3 | 11821.2 | 11784.8 |
| 60°   | 11380.5 | 11431.0 | 12247.8 | 13592.2 | 14886.2 | 15424.0 | 14698.2 | 13475.0 | 12088.1 | 11299.6 | 11206.6 |
| 62.5° | 9868.2  | 10001.6 | 10986.3 | 13155.6 | 15828.4 | 17356.7 | 15597.8 | 12977.6 | 10850.8 | 9821.7  | 9761.1  |
| 65°   | 7072.1  | 7304.6  | 8392.3  | 11226.8 | 15743.4 | 19055.1 | 15468.5 | 11135.8 | 8473.2  | 7286.4  | 7199.5  |
| 67.5° | 3208.6  | 3445.0  | 4369.1  | 7686.7  | 13685.3 | 18594.1 | 13652.9 | 7767.6  | 4587.4  | 3457.2  | 3406.7  |
| 70°   | 1162.6  | 1202.9  | 1500.2  | 3077.2  | 8746.1  | 14815.5 | 9120.1  | 3099.4  | 1595.2  | 1281.8  | 1265.7  |
| 72.5° | 703.6   | 709.6   | 772.3   | 1101.9  | 3038.7  | 8994.8  | 3168.1  | 1138.3  | 788.5   | 699.6   | 711.7   |
| 75°   | 446.8   | 442.8   | 549.9   | 673.2   | 1077.6  | 3034.6  | 1130.2  | 673.2   | 547.9   | 499.4   | 503.4   |
| 77.5° | 321.4   | 331.6   | 394.2   | 503.4   | 679.3   | 1029.1  | 667.2   | 481.1   | 394.2   | 323.5   | 329.5   |
| 80°   | 240.6   | 246.6   | 287.1   | 392.3   | 477.1   | 640.9   | 424.6   | 355.9   | 297.1   | 202.1   | 208.3   |
| 82.5° | 173.8   | 173.8   | 188.0   | 285.1   | 291.1   | 345.7   | 230.5   | 250.7   | 196.1   | 143.5   | 143.5   |
| 85°   | 103.1   | 101.1   | 117.3   | 169.8   | 151.6   | 127.4   | 105.2   | 153.6   | 123.3   | 89.0    | 86.9    |
| 87.5° | 36.4    | 38.4    | 36.4    | 48.5    | 40.4    | 34.3    | 32.4    | 42.4    | 34.3    | 30.3    | 28.3    |
| 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)