

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: P968864

Luminaire Tested: **NVN-SB5C-760-U-RW**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P968864  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: NVN-SB5C-760-U-RW  
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 42245.4 lumens  
Efficiency: N/A  
Efficacy: 169.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 249.5  
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

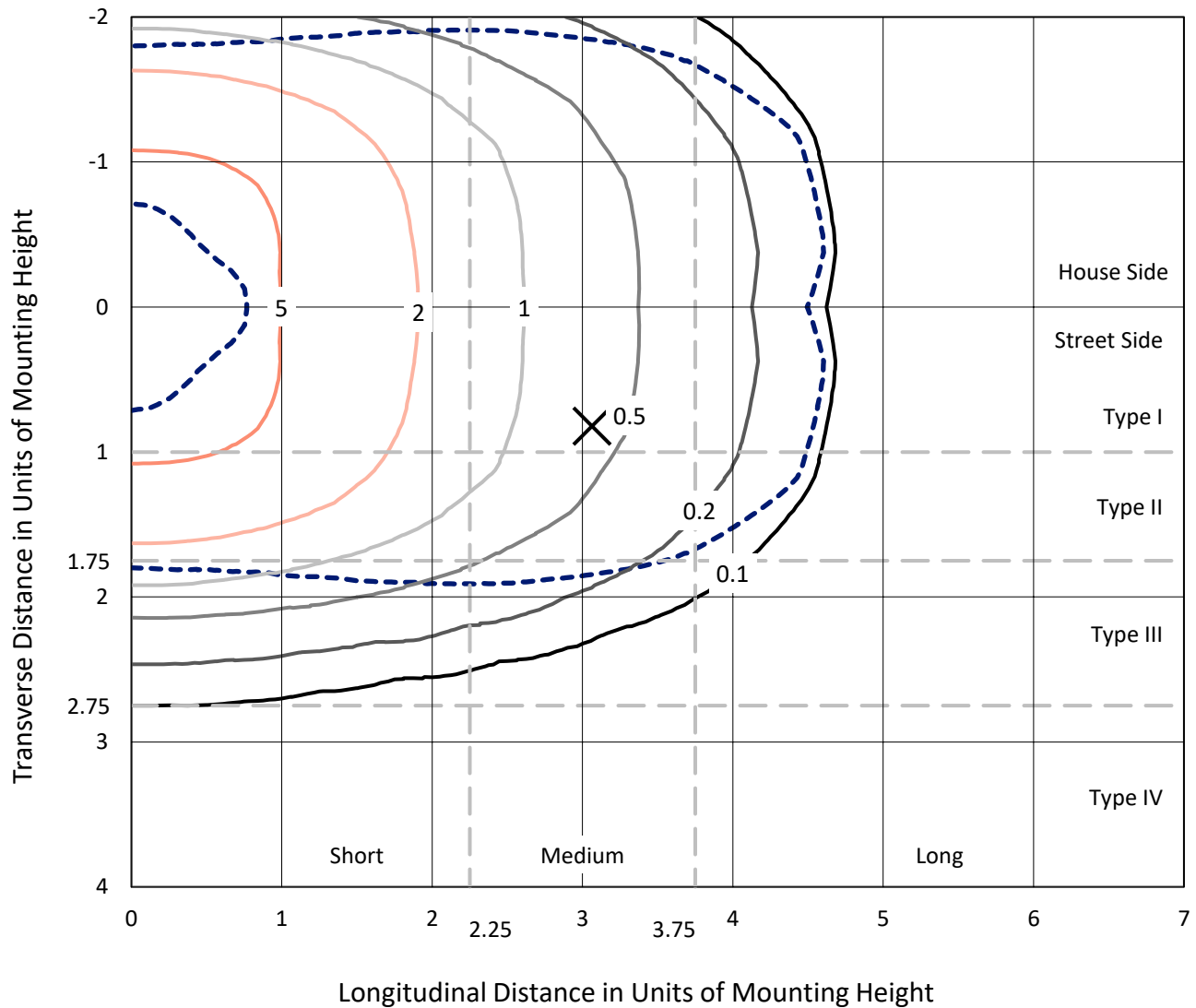


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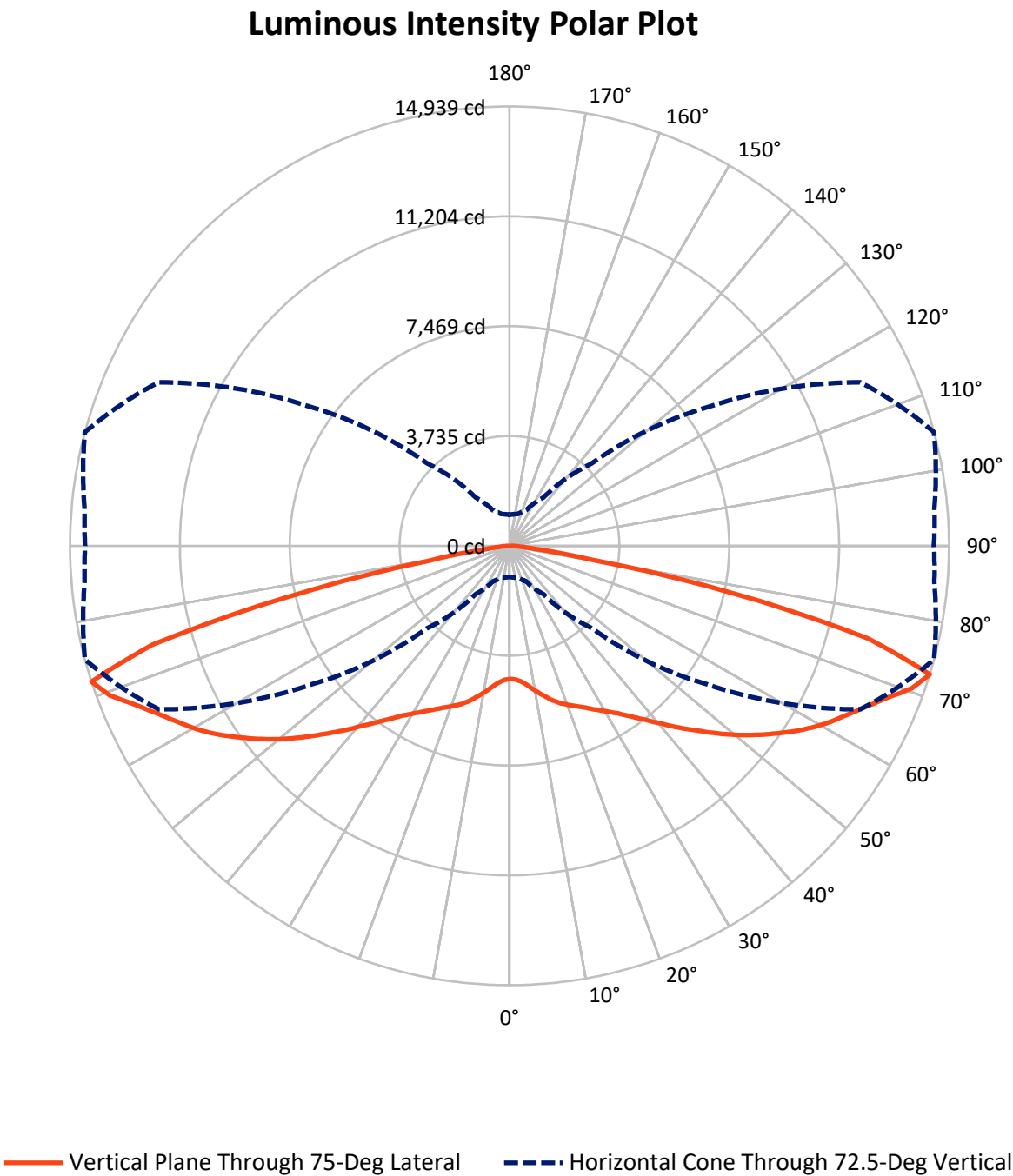
## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 fc  
 Type III - Medium - N/A

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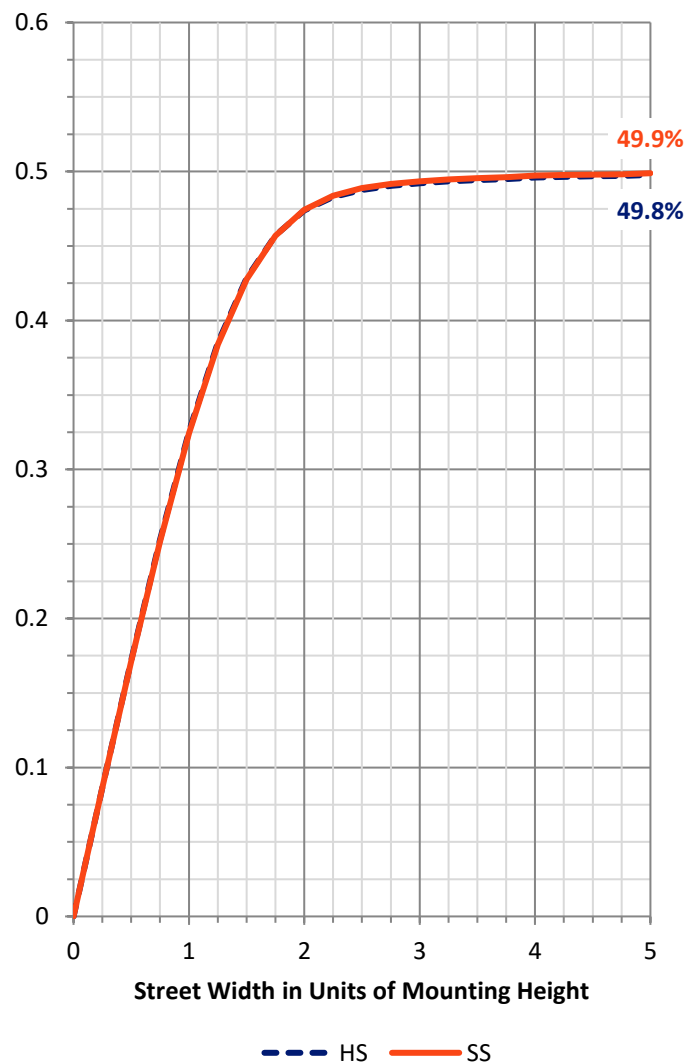
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 21122.7  | 0.0    | 21122.7 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 21122.7  | 0.0    | 21122.7 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 42245.4  | 0.0    | 42245.4 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 443.3   | 1.0       |
| 10°-20°   | 1462.1  | 3.5       |
| 20°-30°   | 2825.1  | 6.7       |
| 30°-40°   | 4770.3  | 11.3      |
| 40°-50°   | 7565.3  | 17.9      |
| 50°-60°   | 10129.0 | 24.0      |
| 60°-70°   | 9639.5  | 22.8      |
| 70°-80°   | 5030.1  | 11.9      |
| 80°-90°   | 380.8   | 0.9       |
| 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°    | 42245.4 | 100.0     |
| 0°-180°   | 42245.4 | 100.0     |

**Coefficient of Utilization**



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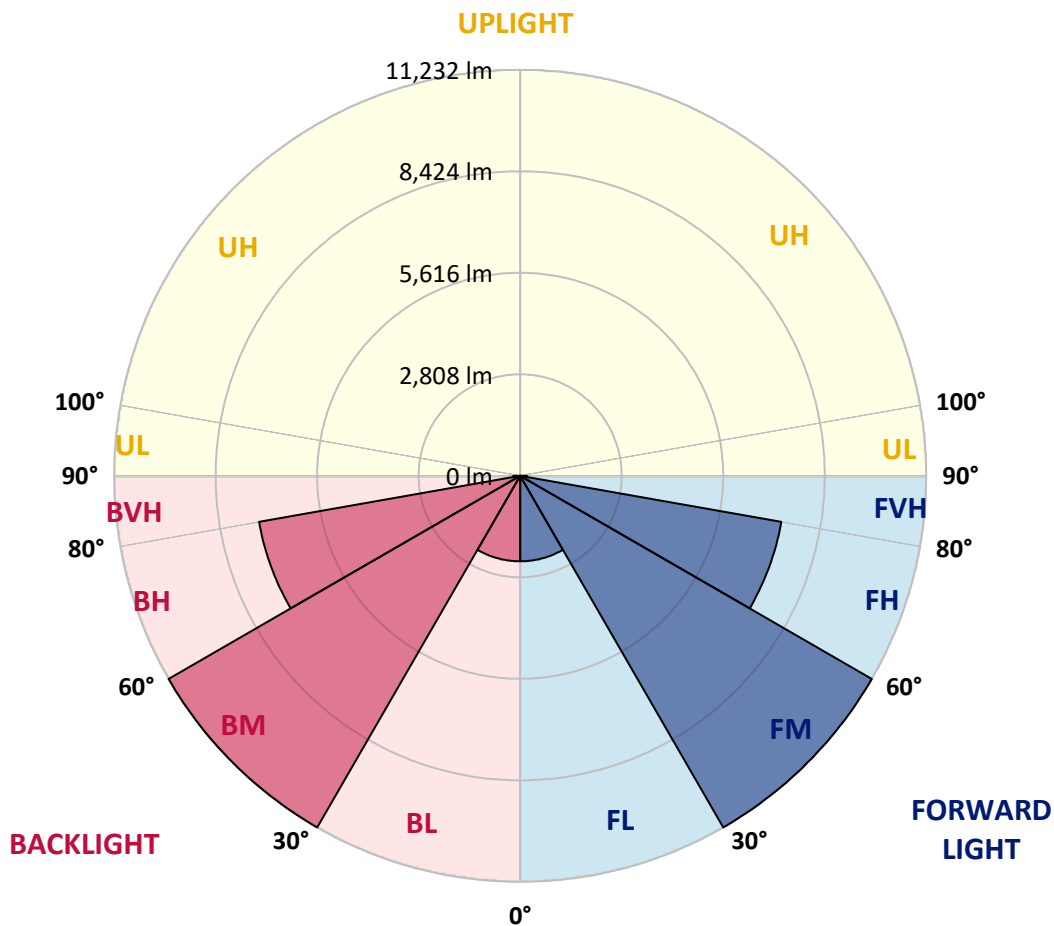
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2365.2  | 5.6       |                         |      |         |
| FM   | (30°-60°)   | 11232.3 | 26.6      |                         |      |         |
| FH   | (60°-80°)   | 7334.8  | 17.4      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 190.4   | 0.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 2365.2  | 5.6       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 11232.3 | 26.6      | B5                      |      |         |
| BH   | (60°-80°)   | 7334.8  | 17.4      | B5                      |      | G5      |
| BVH  | (80°-90°)   | 190.4   | 0.5       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B5-U0-G5**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     | 90°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4525.3  | 4525.3  | 4525.3  | 4525.3  | 4525.3  | 4525.3  | 4525.3  | 4525.3  | 4525.3  | 4525.3  | 4525.3  |
| 2.5°  | 4525.3  | 4521.0  | 4525.3  | 4529.6  | 4527.4  | 4527.4  | 4538.2  | 4544.6  | 4557.6  | 4555.4  | 4553.3  |
| 5°    | 4495.0  | 4492.9  | 4510.1  | 4529.6  | 4544.6  | 4570.6  | 4602.9  | 4626.6  | 4656.8  | 4663.2  | 4663.2  |
| 7.5°  | 4480.0  | 4473.5  | 4503.6  | 4538.2  | 4585.6  | 4650.3  | 4712.8  | 4777.6  | 4829.4  | 4846.6  | 4850.9  |
| 10°   | 4490.7  | 4492.9  | 4533.9  | 4598.6  | 4674.1  | 4764.6  | 4853.1  | 4963.0  | 5036.4  | 5053.7  | 5071.0  |
| 12.5° | 4540.3  | 4536.0  | 4605.0  | 4708.5  | 4812.1  | 4926.5  | 5030.0  | 5150.7  | 5230.6  | 5271.6  | 5288.8  |
| 15°   | 4631.0  | 4622.3  | 4719.4  | 4872.5  | 5023.5  | 5157.2  | 5241.3  | 5355.6  | 5448.4  | 5500.2  | 5519.6  |
| 17.5° | 4738.8  | 4743.1  | 4870.4  | 5068.8  | 5267.3  | 5418.3  | 5498.0  | 5556.2  | 5627.5  | 5672.8  | 5694.3  |
| 20°   | 4928.6  | 4937.2  | 5079.6  | 5314.6  | 5541.2  | 5713.7  | 5778.4  | 5756.8  | 5776.3  | 5810.7  | 5836.7  |
| 22.5° | 5183.1  | 5187.4  | 5347.0  | 5601.5  | 5838.8  | 6028.6  | 6071.8  | 5983.3  | 5929.4  | 5953.1  | 5970.4  |
| 25°   | 5478.6  | 5506.6  | 5666.2  | 5927.3  | 6171.0  | 6352.1  | 6371.6  | 6237.8  | 6104.1  | 6110.5  | 6121.4  |
| 27.5° | 5838.8  | 5864.6  | 6026.5  | 6285.3  | 6533.3  | 6690.8  | 6688.6  | 6509.6  | 6313.3  | 6263.7  | 6278.8  |
| 30°   | 6229.2  | 6257.2  | 6423.4  | 6690.8  | 6921.6  | 7059.6  | 7029.4  | 6815.9  | 6535.5  | 6442.7  | 6453.5  |
| 32.5° | 6692.9  | 6710.2  | 6878.5  | 7145.9  | 7359.4  | 7469.5  | 7406.9  | 7143.7  | 6794.3  | 6688.6  | 6714.5  |
| 35°   | 7253.7  | 7279.7  | 7404.7  | 7657.1  | 7844.7  | 7935.3  | 7829.7  | 7519.1  | 7126.5  | 7007.8  | 7025.1  |
| 37.5° | 7894.3  | 7877.1  | 8019.5  | 8243.8  | 8399.1  | 8455.1  | 8310.6  | 7941.8  | 7506.1  | 7366.0  | 7391.8  |
| 40°   | 8563.1  | 8554.3  | 8709.6  | 8925.4  | 9009.4  | 9044.0  | 8830.5  | 8427.1  | 7944.0  | 7793.0  | 7842.6  |
| 42.5° | 9169.1  | 9162.7  | 9371.9  | 9611.3  | 9712.7  | 9673.8  | 9404.2  | 8942.6  | 8450.8  | 8278.3  | 8321.5  |
| 45°   | 9654.4  | 9645.8  | 9902.4  | 10238.9 | 10437.4 | 10372.7 | 10010.4 | 9512.1  | 8964.2  | 8785.2  | 8826.2  |
| 47.5° | 10027.6 | 10031.9 | 10307.9 | 10724.3 | 11071.5 | 11095.2 | 10629.4 | 10092.3 | 9529.3  | 9326.6  | 9386.9  |
| 50°   | 10297.2 | 10310.2 | 10605.6 | 11067.2 | 11541.7 | 11750.9 | 11261.4 | 10687.6 | 10113.9 | 9885.2  | 9954.2  |
| 52.5° | 10364.1 | 10387.8 | 10743.6 | 11285.0 | 11843.7 | 12242.7 | 11904.0 | 11259.2 | 10668.2 | 10450.3 | 10506.4 |
| 55°   | 10008.1 | 10055.6 | 10506.4 | 11267.8 | 12029.2 | 12566.3 | 12469.2 | 11839.4 | 11226.8 | 11002.5 | 11065.1 |
| 57.5° | 9190.7  | 9257.5  | 9783.8  | 10778.2 | 11988.2 | 12788.4 | 12907.1 | 12395.8 | 11785.4 | 11569.8 | 11619.4 |
| 60°   | 8045.3  | 8125.2  | 8629.9  | 9714.8  | 11410.2 | 12870.4 | 13215.5 | 12937.2 | 12298.8 | 12089.6 | 12134.9 |
| 62.5° | 6317.7  | 6421.2  | 7025.1  | 8297.7  | 10189.3 | 12488.6 | 13478.6 | 13426.9 | 12760.4 | 12499.4 | 12529.6 |
| 65°   | 4052.8  | 4162.8  | 4799.2  | 6302.5  | 8560.8  | 11319.6 | 13560.6 | 13903.5 | 13247.8 | 12883.3 | 12928.6 |
| 67.5° | 2443.8  | 2493.4  | 2808.3  | 3820.0  | 6257.2  | 9557.3  | 12866.1 | 14432.0 | 13817.3 | 13364.4 | 13398.8 |
| 70°   | 1563.7  | 1591.8  | 1779.5  | 2243.2  | 3537.4  | 6973.4  | 11144.8 | 14531.2 | 14507.5 | 13858.3 | 13854.0 |
| 72.5° | 1061.2  | 1069.8  | 1119.4  | 1328.7  | 2001.6  | 3962.2  | 8220.1  | 13155.2 | 14938.9 | 14494.5 | 14425.5 |
| 75°   | 776.5   | 824.0   | 903.7   | 940.4   | 1136.7  | 1980.1  | 4710.7  | 9242.4  | 12590.0 | 12784.1 | 12313.9 |
| 77.5° | 578.1   | 580.3   | 690.2   | 733.4   | 811.0   | 1054.7  | 1993.0  | 5159.3  | 7816.8  | 8207.1  | 7320.7  |
| 80°   | 489.6   | 463.7   | 461.6   | 591.0   | 610.4   | 657.8   | 890.8   | 1781.7  | 2799.7  | 1697.5  | 1283.4  |
| 82.5° | 407.6   | 379.7   | 343.0   | 461.6   | 416.3   | 403.3   | 386.1   | 724.8   | 890.8   | 437.9   | 373.1   |
| 85°   | 284.7   | 271.7   | 258.8   | 302.0   | 237.3   | 202.7   | 185.5   | 338.7   | 375.4   | 185.5   | 163.9   |
| 87.5° | 122.9   | 127.3   | 129.5   | 133.8   | 99.2    | 71.1    | 71.1    | 94.9    | 94.9    | 73.3    | 53.9    |
| 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)