

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: P968348

Luminaire Tested: **NVN-SB5B-760-U-T1**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P968348  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: NVN-SB5B-760-U-T1  
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 5700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 30515.3 lumens  
Efficiency: N/A  
Efficacy: 167.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

Input Watts (W): 182.7  
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

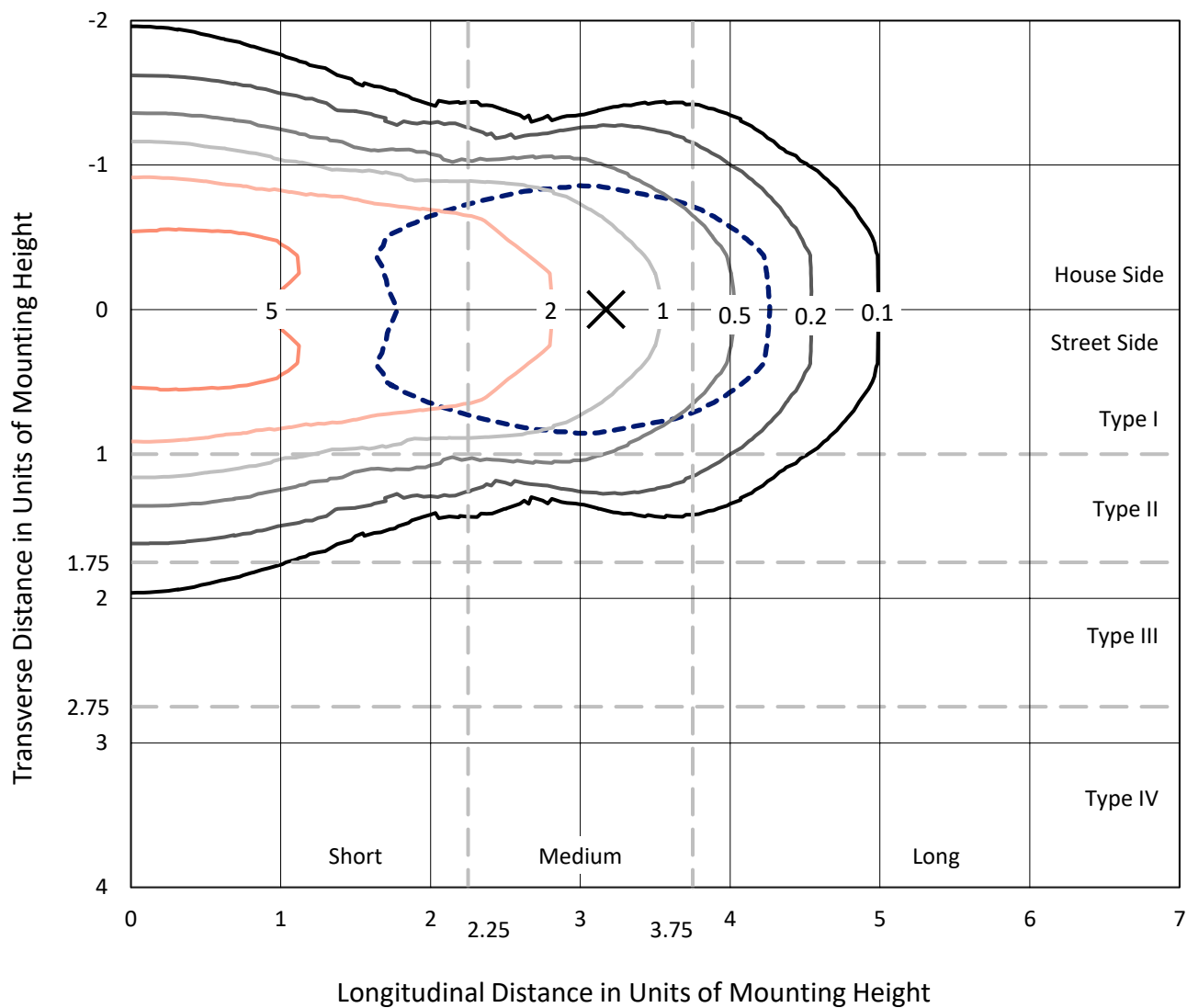


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## Iso-Footcandle Lines of Horizontal Illumination

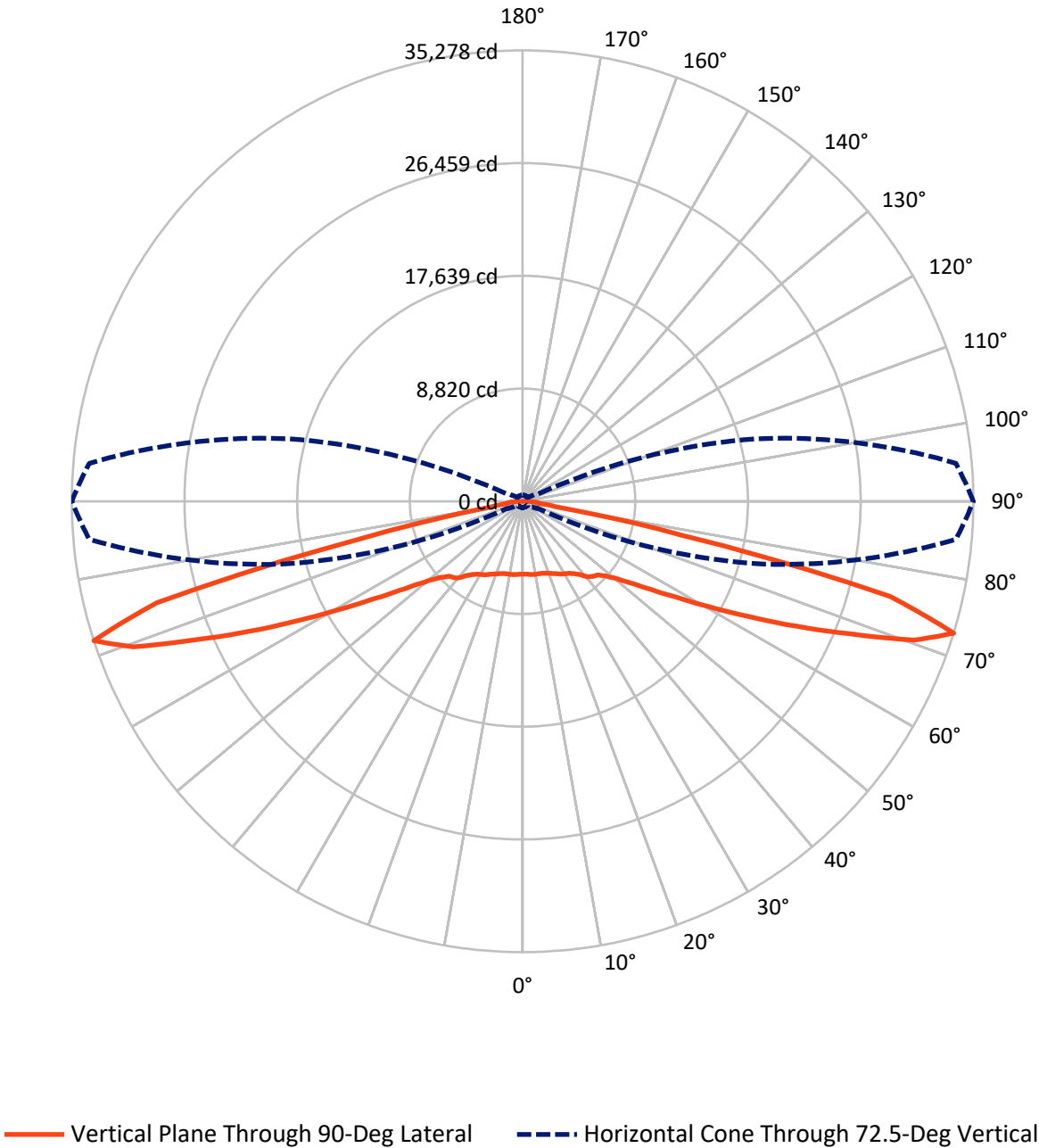
× Max cd  
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 fc  
Type I - Short - N/A

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Luminous Intensity Polar Plot



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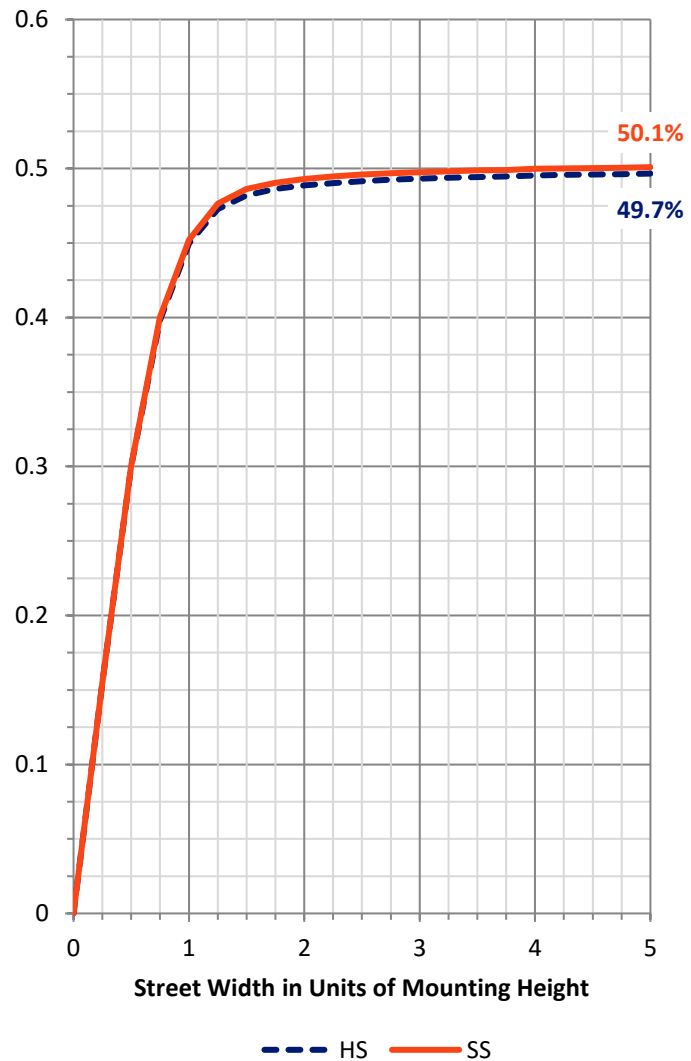
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 15257.6  | 0.0    | 15257.6 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 15257.6  | 0.0    | 15257.6 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 30515.3  | 0.0    | 30515.3 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 552.9   | 1.8       |
| 10°-20°   | 1690.5  | 5.5       |
| 20°-30°   | 2818.8  | 9.2       |
| 30°-40°   | 3876.7  | 12.7      |
| 40°-50°   | 4734.5  | 15.5      |
| 50°-60°   | 5475.9  | 17.9      |
| 60°-70°   | 6529.2  | 21.4      |
| 70°-80°   | 4556.9  | 14.9      |
| 80°-90°   | 279.9   | 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°    | 30515.3 | 100.0     |
| 0°-180°   | 30515.3 | 100.0     |

**Coefficient of Utilization**



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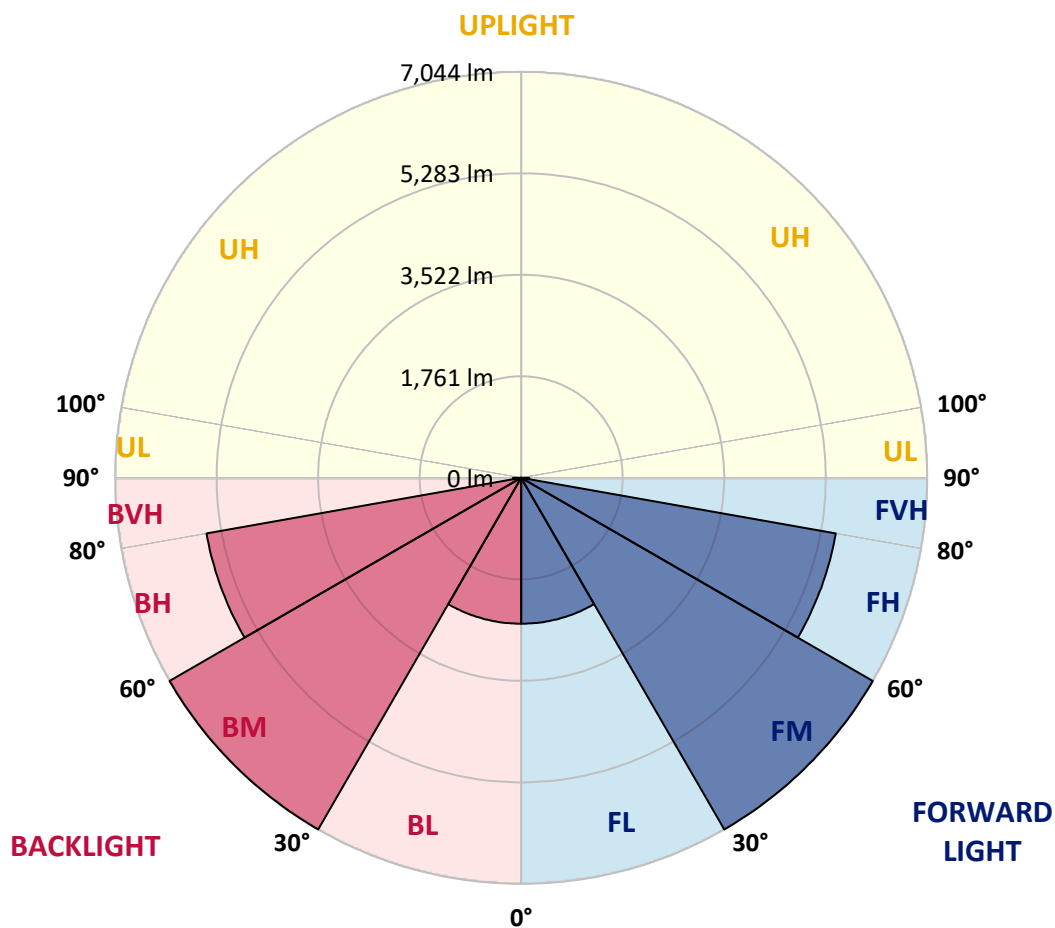
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2531.1 | 8.3       |                         |      |         |
| FM   | (30°-60°)   | 7043.6 | 23.1      |                         |      |         |
| FH   | (60°-80°)   | 5543.0 | 18.2      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 139.9  | 0.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 2531.1 | 8.3       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 7043.6 | 23.1      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 5543.0 | 18.2      | B5                      |      | G5      |
| BVH  | (80°-90°)   | 139.9  | 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 I Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°     | 75°     | 85°     | 90°     |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| 0°    | 5702.1 | 5702.1 | 5702.1 | 5702.1 | 5702.1 | 5702.1 | 5702.1 | 5702.1  | 5702.1  | 5702.1  | 5702.1  |
| 2.5°  | 5707.0 | 5713.5 | 5713.5 | 5708.6 | 5719.9 | 5710.2 | 5710.2 | 5705.4  | 5710.2  | 5705.4  | 5705.4  |
| 5°    | 5736.2 | 5744.3 | 5747.5 | 5745.8 | 5760.5 | 5752.4 | 5752.4 | 5745.8  | 5747.5  | 5742.7  | 5742.7  |
| 7.5°  | 5791.2 | 5802.6 | 5809.2 | 5817.3 | 5838.3 | 5828.6 | 5822.1 | 5802.6  | 5794.5  | 5781.6  | 5781.6  |
| 10°   | 5809.2 | 5822.1 | 5843.2 | 5885.3 | 5934.0 | 5935.7 | 5916.2 | 5867.5  | 5830.2  | 5801.0  | 5796.2  |
| 12.5° | 5754.0 | 5771.9 | 5815.6 | 5901.5 | 6010.2 | 6054.1 | 6023.2 | 5942.1  | 5869.2  | 5817.3  | 5809.2  |
| 15°   | 5684.2 | 5703.7 | 5770.2 | 5900.0 | 6060.5 | 6162.7 | 6159.4 | 6052.4  | 5935.7  | 5854.6  | 5841.6  |
| 17.5° | 5575.6 | 5595.1 | 5690.8 | 5872.4 | 6099.5 | 6268.1 | 6313.5 | 6203.2  | 6039.4  | 5930.8  | 5912.9  |
| 20°   | 5379.4 | 5397.2 | 5530.2 | 5784.8 | 6112.4 | 6380.0 | 6498.4 | 6401.1  | 6196.7  | 6049.1  | 6021.6  |
| 22.5° | 5124.8 | 5152.4 | 5308.1 | 5634.0 | 6081.6 | 6496.8 | 6709.2 | 6642.7  | 6380.0  | 6175.6  | 6138.3  |
| 25°   | 4852.3 | 4881.5 | 5063.1 | 5449.1 | 6002.1 | 6581.1 | 6958.9 | 6916.8  | 6587.6  | 6333.0  | 6281.1  |
| 27.5° | 4617.1 | 4648.0 | 4845.8 | 5265.8 | 5878.9 | 6613.5 | 7205.4 | 7226.6  | 6838.9  | 6506.5  | 6451.3  |
| 30°   | 4432.3 | 4461.4 | 4672.3 | 5118.2 | 5719.9 | 6581.1 | 7421.2 | 7567.2  | 7095.2  | 6657.3  | 6577.8  |
| 32.5° | 4229.6 | 4266.9 | 4489.0 | 4938.2 | 5531.8 | 6503.2 | 7609.3 | 7935.2  | 7392.0  | 6819.5  | 6719.0  |
| 35°   | 3973.3 | 4007.3 | 4240.9 | 4691.7 | 5285.3 | 6378.4 | 7766.6 | 8343.9  | 7816.9  | 7066.0  | 6954.1  |
| 37.5° | 3661.9 | 3694.4 | 3926.3 | 4383.6 | 5040.4 | 6203.2 | 7886.7 | 8804.5  | 8322.9  | 7421.2  | 7272.0  |
| 40°   | 3348.9 | 3379.7 | 3597.0 | 4039.8 | 4746.9 | 5979.4 | 7928.8 | 9255.3  | 8903.5  | 7909.3  | 7750.3  |
| 42.5° | 3061.9 | 3089.5 | 3288.9 | 3700.9 | 4417.6 | 5694.0 | 7873.6 | 9647.8  | 9424.1  | 8249.9  | 8045.5  |
| 45°   | 2797.5 | 2821.8 | 2998.6 | 3383.0 | 4075.5 | 5346.9 | 7708.2 | 10069.5 | 10043.6 | 8493.2  | 8217.4  |
| 47.5° | 2495.9 | 2520.2 | 2703.4 | 3074.9 | 3733.3 | 4939.9 | 7427.7 | 10484.6 | 10904.7 | 9044.5  | 8726.6  |
| 50°   | 2127.8 | 2148.8 | 2337.0 | 2719.7 | 3378.1 | 4506.8 | 7038.5 | 10810.7 | 11991.3 | 9879.8  | 9480.8  |
| 52.5° | 1691.5 | 1714.2 | 1897.5 | 2280.2 | 2956.5 | 4041.4 | 6526.0 | 11023.1 | 13246.5 | 11099.3 | 10607.9 |
| 55°   | 1258.5 | 1274.7 | 1433.7 | 1777.5 | 2434.3 | 3511.1 | 5883.7 | 11083.1 | 14670.4 | 12766.5 | 12151.8 |
| 57.5° | 913.1  | 922.8  | 1025.0 | 1281.1 | 1845.5 | 2847.8 | 5103.7 | 10927.4 | 16365.1 | 14903.9 | 14130.3 |
| 60°   | 739.5  | 742.7  | 773.6  | 887.1  | 1282.8 | 2098.6 | 4161.4 | 10392.3 | 18204.2 | 17659.3 | 16684.6 |
| 62.5° | 671.4  | 671.4  | 679.5  | 710.3  | 867.7  | 1385.0 | 3021.3 | 9282.9  | 20176.3 | 21141.2 | 19835.7 |
| 65°   | 624.3  | 624.3  | 627.6  | 642.3  | 684.4  | 882.2  | 1907.2 | 7476.4  | 21838.5 | 25219.9 | 23569.1 |
| 67.5° | 582.2  | 583.8  | 582.2  | 587.1  | 611.4  | 651.9  | 1106.1 | 5163.6  | 22733.8 | 29446.3 | 27663.9 |
| 70°   | 538.4  | 541.7  | 533.5  | 533.5  | 553.0  | 554.6  | 692.5  | 2831.6  | 21991.1 | 32988.2 | 32519.5 |
| 72.5° | 486.6  | 491.4  | 478.4  | 475.2  | 489.7  | 483.3  | 520.6  | 1359.0  | 18880.5 | 34045.6 | 35278.1 |
| 75°   | 441.2  | 447.6  | 418.4  | 410.3  | 410.3  | 405.5  | 423.3  | 697.3   | 12254.0 | 27772.6 | 29705.7 |
| 77.5° | 400.6  | 413.6  | 366.5  | 340.6  | 334.0  | 319.5  | 345.4  | 426.5   | 5359.9  | 13038.9 | 12768.1 |
| 80°   | 330.9  | 348.7  | 301.7  | 270.8  | 259.5  | 243.2  | 272.4  | 298.4   | 1594.2  | 3027.8  | 2899.7  |
| 82.5° | 246.5  | 254.6  | 214.1  | 193.0  | 183.3  | 171.9  | 204.4  | 207.6   | 519.0   | 1071.9  | 1211.4  |
| 85°   | 157.3  | 160.5  | 131.4  | 113.6  | 108.6  | 103.8  | 129.8  | 113.6   | 197.8   | 788.2   | 1144.9  |
| 87.5° | 55.1   | 63.2   | 50.2   | 45.4   | 48.7   | 40.6   | 60.0   | 34.0    | 55.1    | 556.3   | 689.2   |
| 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)