

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: McGRAW-EDISON

Report Number: P942453

Luminaire Tested: **GALN-SB6C-722-U-T1**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P942453  
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: McGRAW-EDISON  
Catalog Number: GALN-SB6C-722-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 37114 lumens  
Efficiency: N/A  
Efficacy: 123.3 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): 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

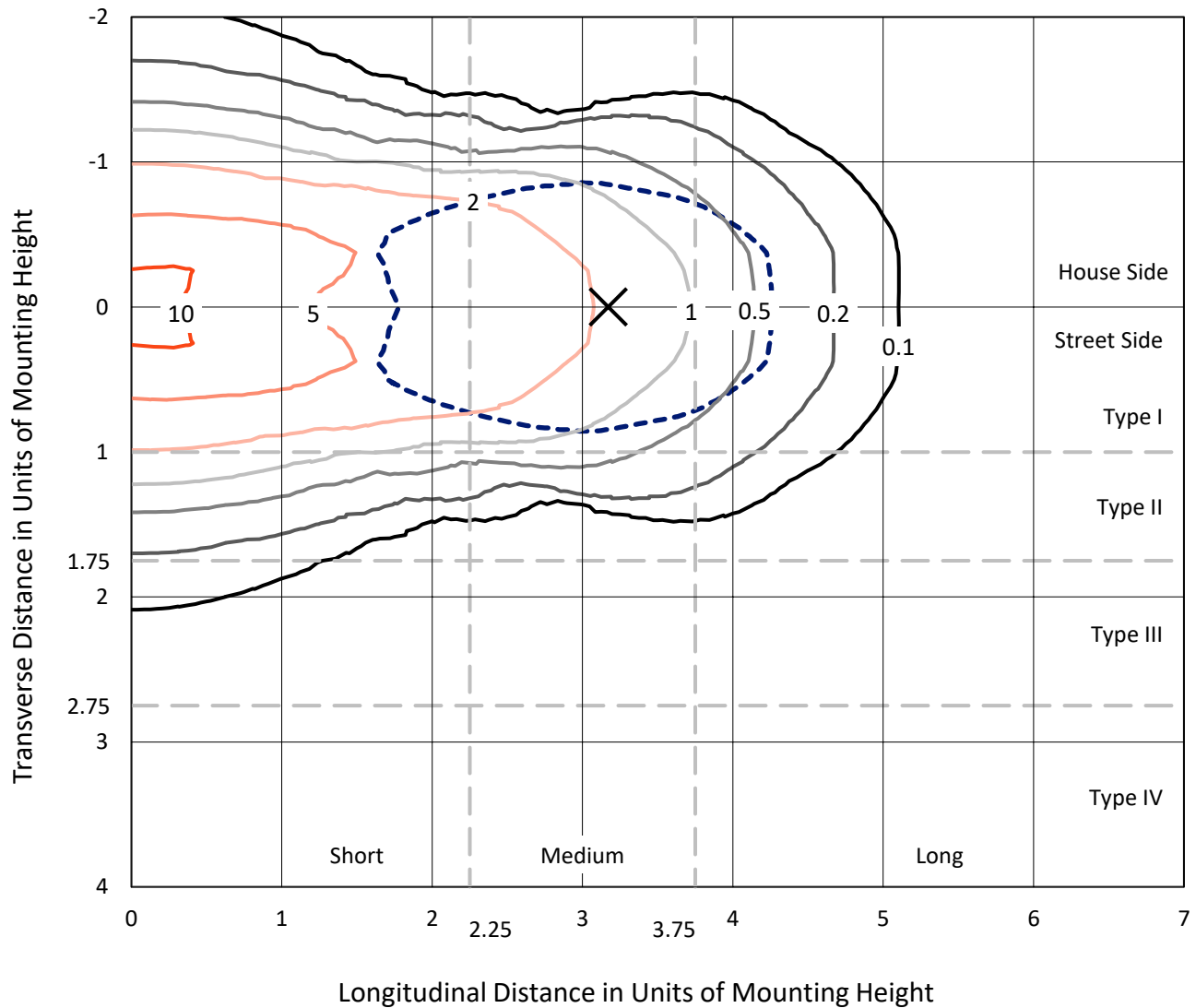


REPORT NUMBER: P942453

CATALOG NUMBER: GALN-SB6C-722-U-T1

## Iso-Footcandle Lines of Horizontal Illumination

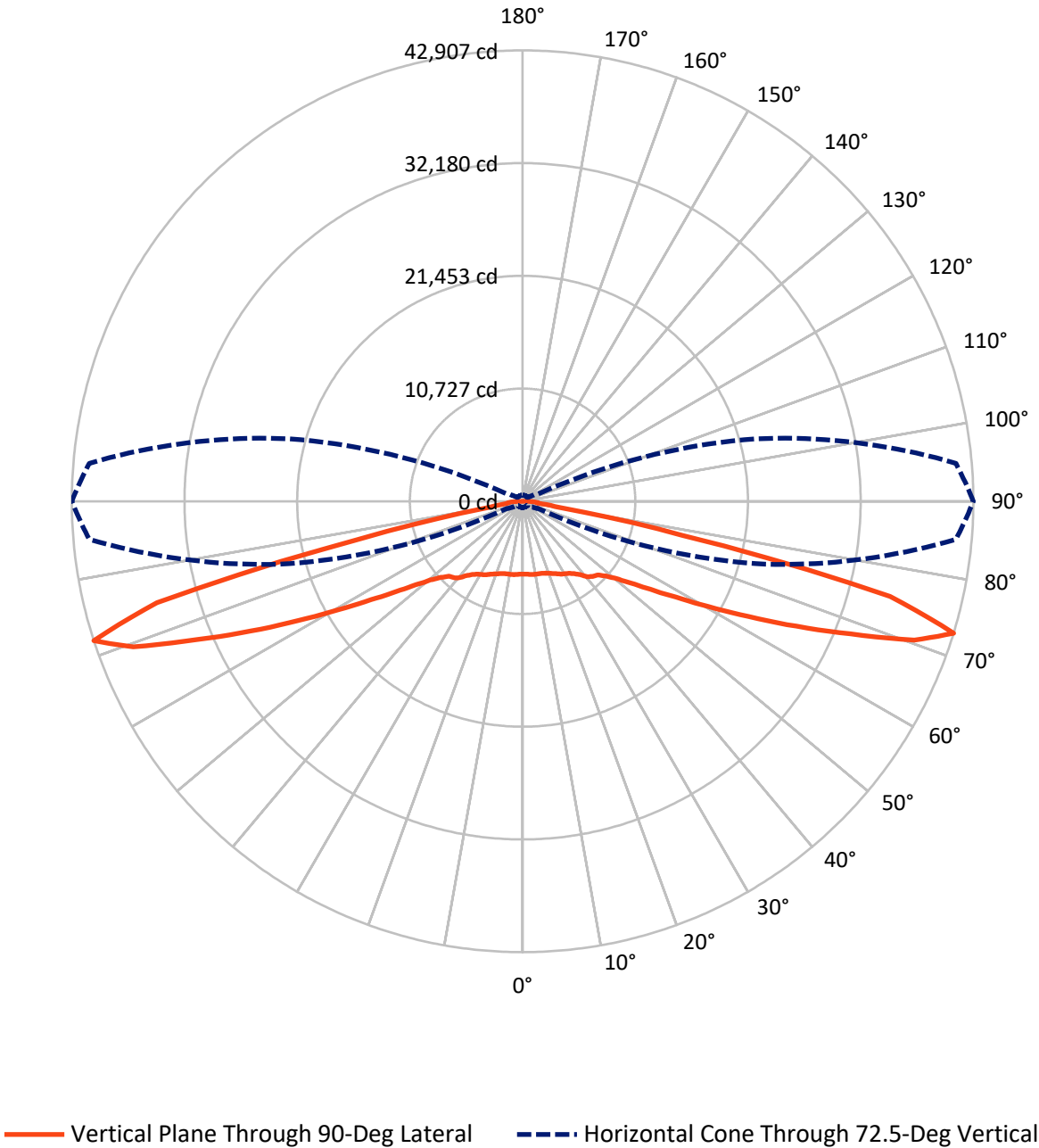
✕ Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 fc  
Type I - Short - N/A

REPORT NUMBER: P942453  
CATALOG NUMBER: GALN-SB6C-722-U-T1

Luminous Intensity Polar Plot



REPORT NUMBER: P942453

CATALOG NUMBER: GALN-SB6C-722-U-T1

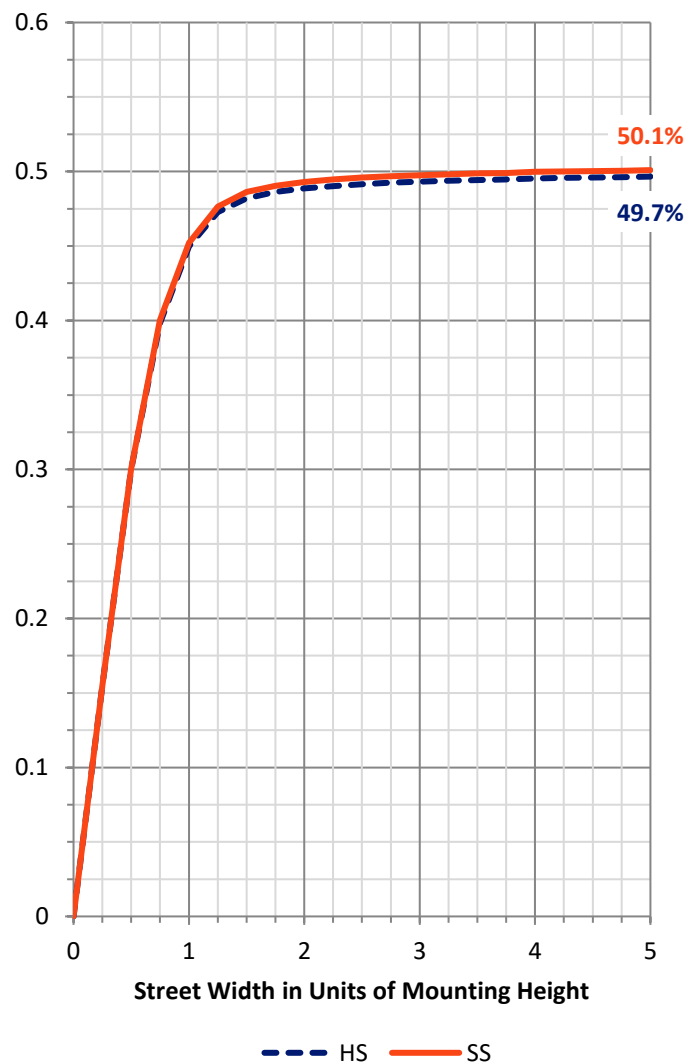
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 18557.0  | 0.0    | 18557.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 18557.0  | 0.0    | 18557.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 37114.0  | 0.0    | 37114.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 672.4   | 1.8       |
| 10°-20°   | 2056.1  | 5.5       |
| 20°-30°   | 3428.3  | 9.2       |
| 30°-40°   | 4715.0  | 12.7      |
| 40°-50°   | 5758.3  | 15.5      |
| 50°-60°   | 6660.1  | 17.9      |
| 60°-70°   | 7941.1  | 21.4      |
| 70°-80°   | 5542.3  | 14.9      |
| 80°-90°   | 340.4   | 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°    | 37114.0 | 100.0     |
| 0°-180°   | 37114.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P942453

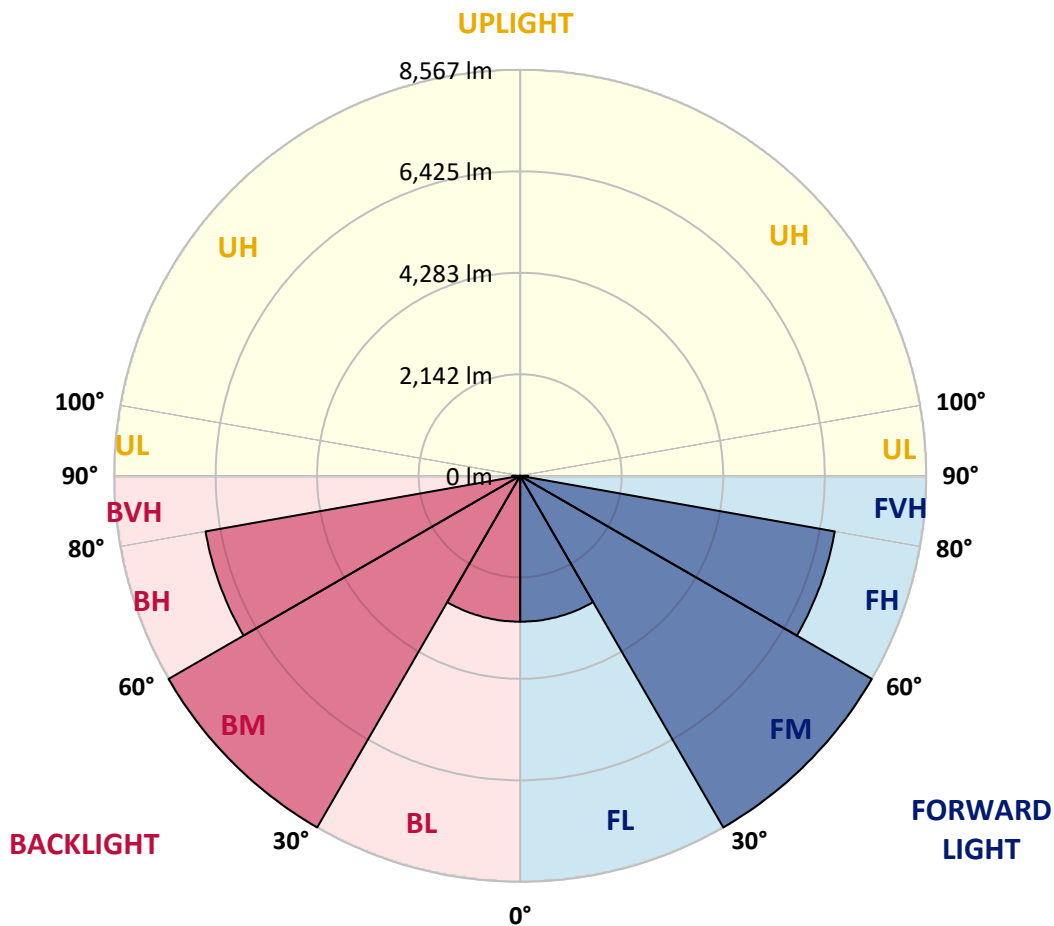
CATALOG NUMBER: GALN-SB6C-722-U-T1

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 3078.4 | 8.3       |                         |      |         |
| FM   | (30°-60°)   | 8566.7 | 23.1      |                         |      |         |
| FH   | (60°-80°)   | 6741.7 | 18.2      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 170.2  | 0.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 3078.4 | 8.3       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 8566.7 | 23.1      | B5                      |      |         |
| BH   | (60°-80°)   | 6741.7 | 18.2      | B5                      |      | G5      |
| BVH  | (80°-90°)   | 170.2  | 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



REPORT NUMBER: P942453

CATALOG NUMBER: GALN-SB6C-722-U-T1

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°     | 75°     | 85°     | 90°     |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| 0°    | 6935.1 | 6935.1 | 6935.1 | 6935.1 | 6935.1 | 6935.1 | 6935.1 | 6935.1  | 6935.1  | 6935.1  | 6935.1  |
| 2.5°  | 6941.1 | 6948.9 | 6948.9 | 6943.0 | 6956.8 | 6945.0 | 6945.0 | 6939.1  | 6945.0  | 6939.1  | 6939.1  |
| 5°    | 6976.6 | 6986.4 | 6990.4 | 6988.4 | 7006.2 | 6996.3 | 6996.3 | 6988.4  | 6990.4  | 6984.5  | 6984.5  |
| 7.5°  | 7043.6 | 7057.4 | 7065.3 | 7075.2 | 7100.8 | 7089.0 | 7081.1 | 7057.4  | 7047.6  | 7031.8  | 7031.8  |
| 10°   | 7065.3 | 7081.1 | 7106.7 | 7158.0 | 7217.2 | 7219.2 | 7195.5 | 7136.3  | 7091.0  | 7055.5  | 7049.5  |
| 12.5° | 6998.3 | 7020.0 | 7073.2 | 7177.8 | 7309.9 | 7363.2 | 7325.7 | 7227.1  | 7138.3  | 7075.2  | 7065.3  |
| 15°   | 6913.4 | 6937.1 | 7018.0 | 7175.8 | 7371.1 | 7495.3 | 7491.4 | 7361.2  | 7219.2  | 7120.6  | 7104.8  |
| 17.5° | 6781.3 | 6805.0 | 6921.3 | 7142.3 | 7418.4 | 7623.5 | 7678.8 | 7544.6  | 7345.4  | 7213.3  | 7191.6  |
| 20°   | 6542.6 | 6564.3 | 6726.1 | 7035.7 | 7434.2 | 7759.6 | 7903.6 | 7785.3  | 7536.7  | 7357.2  | 7323.7  |
| 22.5° | 6232.9 | 6266.5 | 6455.8 | 6852.3 | 7396.7 | 7901.6 | 8160.0 | 8079.2  | 7759.6  | 7511.1  | 7465.7  |
| 25°   | 5901.6 | 5937.1 | 6158.0 | 6627.4 | 7300.0 | 8004.2 | 8463.8 | 8412.5  | 8012.1  | 7702.4  | 7639.3  |
| 27.5° | 5615.6 | 5653.0 | 5893.7 | 6404.6 | 7150.1 | 8043.7 | 8763.6 | 8789.2  | 8317.8  | 7913.5  | 7846.4  |
| 30°   | 5390.7 | 5426.2 | 5682.6 | 6225.1 | 6956.8 | 8004.2 | 9025.9 | 9203.5  | 8629.5  | 8096.9  | 8000.3  |
| 32.5° | 5144.2 | 5189.5 | 5459.7 | 6006.1 | 6728.0 | 7909.5 | 9254.7 | 9651.2  | 8990.4  | 8294.2  | 8171.9  |
| 35°   | 4832.5 | 4873.9 | 5158.0 | 5706.3 | 6428.2 | 7757.7 | 9446.1 | 10148.3 | 9507.2  | 8594.0  | 8457.9  |
| 37.5° | 4453.8 | 4493.2 | 4775.3 | 5331.5 | 6130.4 | 7544.6 | 9592.0 | 10708.4 | 10122.6 | 9025.9  | 8844.5  |
| 40°   | 4073.1 | 4110.6 | 4374.9 | 4913.4 | 5773.4 | 7272.4 | 9643.3 | 11256.8 | 10828.8 | 9619.7  | 9426.4  |
| 42.5° | 3724.0 | 3757.5 | 4000.1 | 4501.1 | 5373.0 | 6925.3 | 9576.3 | 11734.1 | 11461.9 | 10033.9 | 9785.3  |
| 45°   | 3402.5 | 3432.1 | 3647.1 | 4114.5 | 4956.8 | 6503.2 | 9375.1 | 12247.0 | 12215.4 | 10329.7 | 9994.4  |
| 47.5° | 3035.6 | 3065.2 | 3288.1 | 3739.8 | 4540.6 | 6008.1 | 9033.8 | 12751.9 | 13262.8 | 11000.4 | 10613.8 |
| 50°   | 2587.9 | 2613.5 | 2842.3 | 3307.8 | 4108.6 | 5481.4 | 8560.4 | 13148.4 | 14584.3 | 12016.2 | 11531.0 |
| 52.5° | 2057.3 | 2084.9 | 2307.8 | 2773.3 | 3595.8 | 4915.4 | 7937.1 | 13406.8 | 16111.0 | 13499.5 | 12901.8 |
| 55°   | 1530.6 | 1550.3 | 1743.6 | 2161.8 | 2960.7 | 4270.4 | 7156.1 | 13479.7 | 17842.8 | 15527.1 | 14779.6 |
| 57.5° | 1110.5 | 1122.3 | 1246.6 | 1558.2 | 2244.7 | 3463.6 | 6207.3 | 13290.4 | 19904.0 | 18126.8 | 17186.0 |
| 60°   | 899.4  | 903.4  | 940.9  | 1078.9 | 1560.2 | 2552.4 | 5061.3 | 12639.5 | 22140.8 | 21478.0 | 20292.6 |
| 62.5° | 816.6  | 816.6  | 826.5  | 863.9  | 1055.3 | 1684.5 | 3674.7 | 11290.3 | 24539.3 | 25712.9 | 24125.1 |
| 65°   | 759.4  | 759.4  | 763.3  | 781.1  | 832.4  | 1073.0 | 2319.6 | 9093.0  | 26561.0 | 30673.6 | 28665.7 |
| 67.5° | 708.1  | 710.1  | 708.1  | 714.0  | 743.6  | 792.9  | 1345.2 | 6280.3  | 27649.8 | 35813.8 | 33646.1 |
| 70°   | 654.9  | 658.8  | 648.9  | 648.9  | 672.6  | 674.6  | 842.2  | 3443.9  | 26746.5 | 40121.7 | 39551.6 |
| 72.5° | 591.7  | 597.7  | 581.9  | 577.9  | 595.7  | 587.8  | 633.2  | 1652.9  | 22963.3 | 41407.7 | 42906.8 |
| 75°   | 536.5  | 544.4  | 508.9  | 499.0  | 499.0  | 493.1  | 514.8  | 848.2   | 14903.9 | 33778.2 | 36129.4 |
| 77.5° | 487.2  | 503.0  | 445.8  | 414.2  | 406.3  | 388.6  | 420.1  | 518.8   | 6519.0  | 15858.5 | 15529.1 |
| 80°   | 402.4  | 424.1  | 366.9  | 329.4  | 315.6  | 295.9  | 331.4  | 362.9   | 1938.9  | 3682.6  | 3526.7  |
| 82.5° | 299.8  | 309.7  | 260.4  | 234.7  | 222.9  | 209.1  | 248.5  | 252.5   | 631.2   | 1303.8  | 1473.4  |
| 85°   | 191.3  | 195.3  | 159.8  | 138.1  | 132.2  | 126.2  | 157.8  | 138.1   | 240.6   | 958.6   | 1392.6  |
| 87.5° | 67.1   | 76.9   | 61.1   | 55.2   | 59.2   | 49.3   | 73.0   | 41.4    | 67.1    | 676.6   | 838.3   |
| 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)