

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: P951992

Luminaire Tested: **GALN-SB6A-727-U-5NQ**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P951992  
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: McGRAW-EDISON  
Catalog Number: GALN-SB6A-727-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 26439 lumens  
Efficiency: N/A  
Efficacy: 154.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 170.9  
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

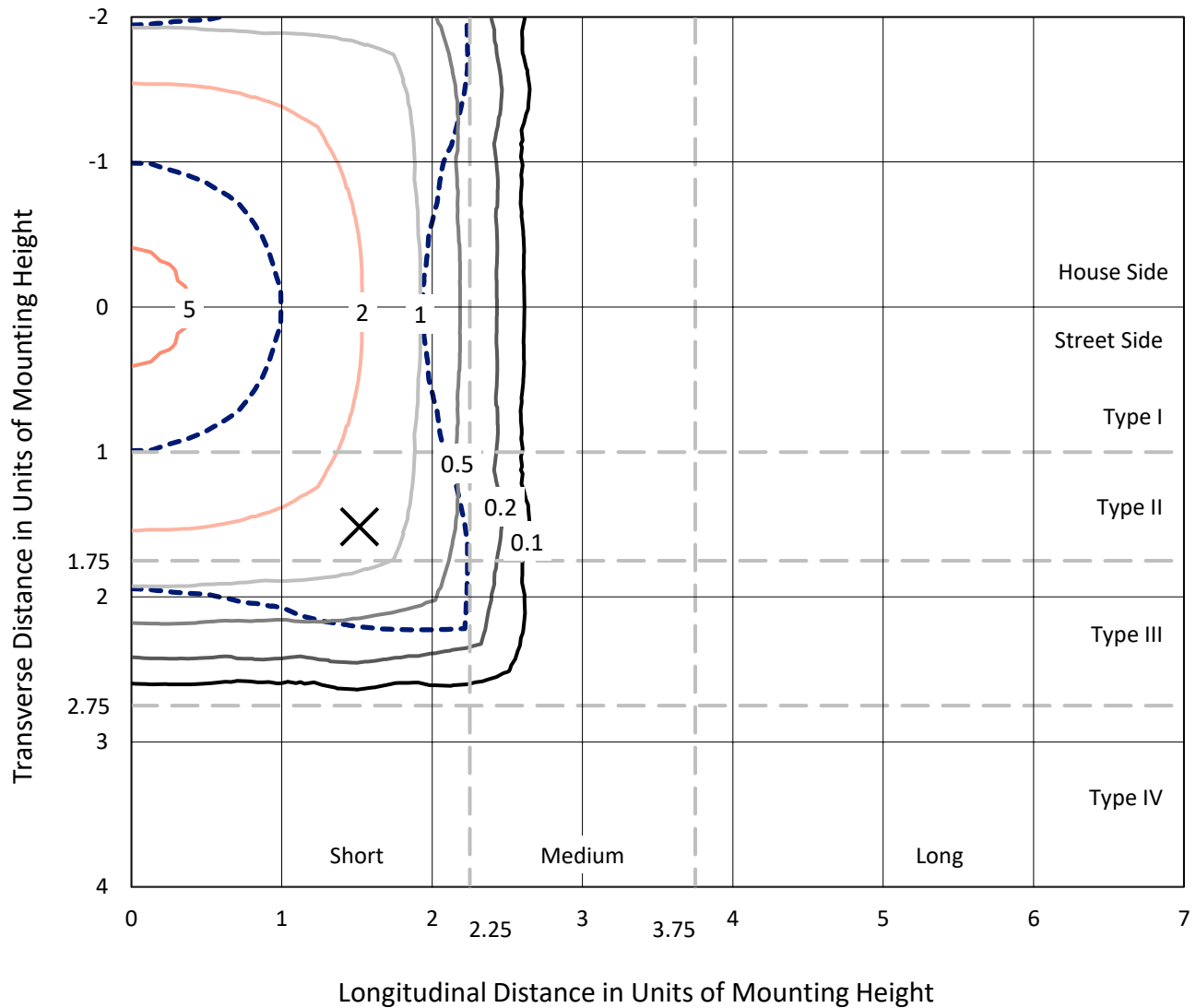


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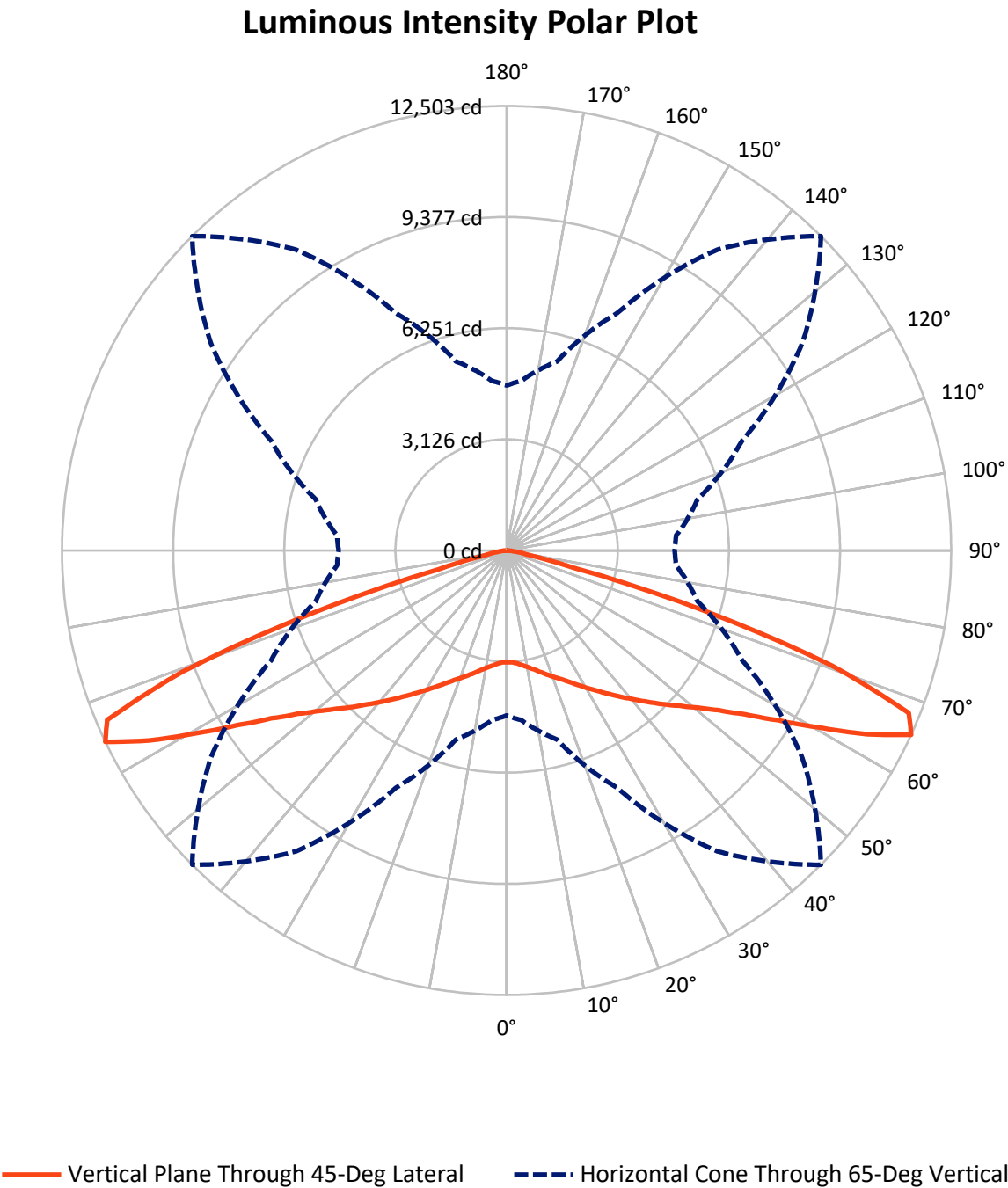
## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc  
Type V - Short - N/A

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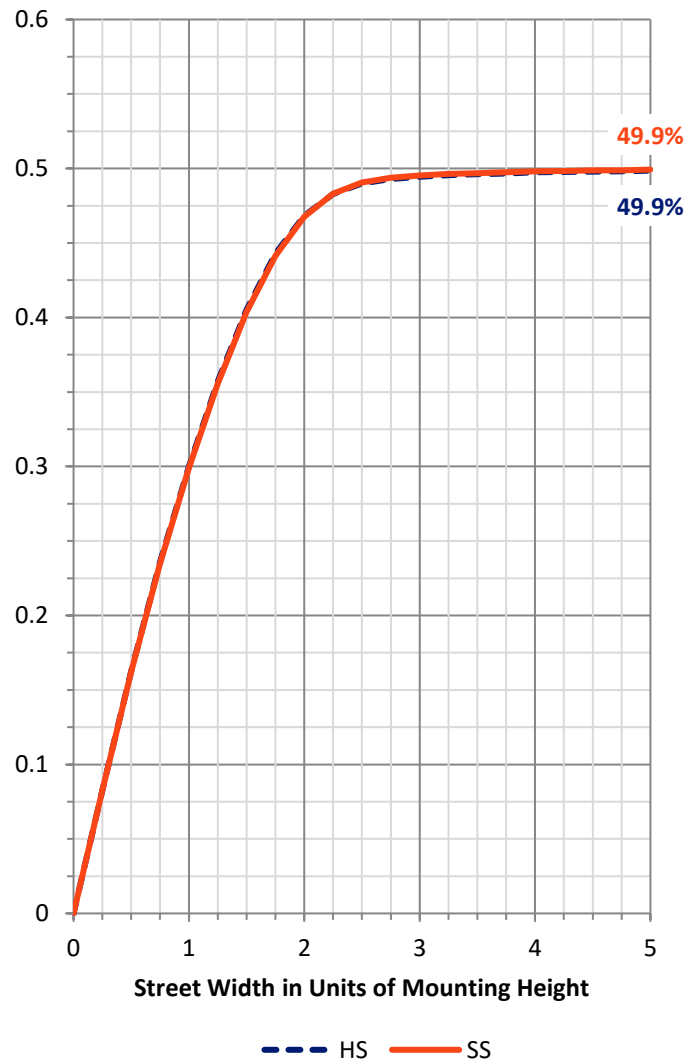
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 13219.5  | 0.0    | 13219.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 13219.5  | 0.0    | 13219.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 26439.0  | 0.0    | 26439.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 310.5   | 1.2       |
| 10°-20°   | 1013.3  | 3.8       |
| 20°-30°   | 1913.2  | 7.2       |
| 30°-40°   | 3132.8  | 11.8      |
| 40°-50°   | 4857.4  | 18.4      |
| 50°-60°   | 7175.4  | 27.1      |
| 60°-70°   | 6830.3  | 25.8      |
| 70°-80°   | 1102.2  | 4.2       |
| 80°-90°   | 103.9   | 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°    | 26439.0 | 100.0     |
| 0°-180°   | 26439.0 | 100.0     |

**Coefficient of Utilization**



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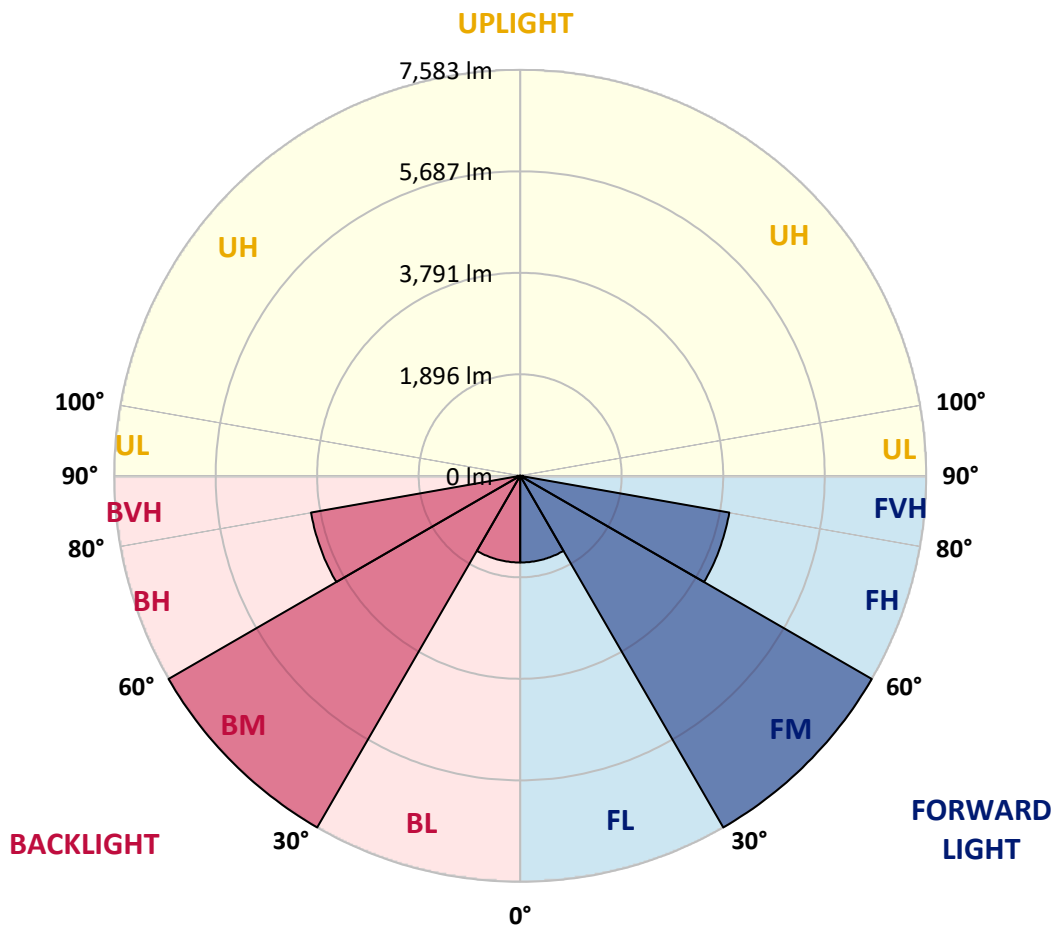
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1618.5 | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 7582.8 | 28.7      |                         |      |         |
| FH   | (60°-80°)   | 3966.2 | 15.0      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 51.9   | 0.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 1618.5 | 6.1       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 7582.8 | 28.7      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 3966.2 | 15.0      | B4/5000                 |      | G2/5000 |
| BVH  | (80°-90°)   | 51.9   | 0.2       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°     | 45°     | 55°     | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|---------|---------|---------|--------|--------|--------|--------|
| 0°    | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5  | 3146.5  | 3146.5  | 3146.5 | 3146.5 | 3146.5 | 3146.5 |
| 2.5°  | 3167.7 | 3157.1 | 3165.1 | 3158.4 | 3153.1  | 3147.8  | 3150.5  | 3159.8 | 3163.8 | 3165.1 | 3165.1 |
| 5°    | 3210.2 | 3200.9 | 3204.9 | 3204.9 | 3195.6  | 3192.9  | 3194.3  | 3200.9 | 3208.9 | 3208.9 | 3208.9 |
| 7.5°  | 3279.2 | 3269.9 | 3279.2 | 3273.9 | 3265.9  | 3263.2  | 3261.9  | 3267.2 | 3279.2 | 3279.2 | 3275.2 |
| 10°   | 3362.7 | 3352.1 | 3357.4 | 3354.8 | 3345.5  | 3341.5  | 3340.2  | 3348.1 | 3358.7 | 3357.4 | 3354.8 |
| 12.5° | 3454.3 | 3442.3 | 3449.0 | 3441.0 | 3438.3  | 3434.4  | 3434.4  | 3433.0 | 3439.7 | 3434.4 | 3437.0 |
| 15°   | 3556.4 | 3548.4 | 3551.1 | 3545.8 | 3549.8  | 3547.1  | 3536.5  | 3531.2 | 3533.8 | 3525.9 | 3527.2 |
| 17.5° | 3677.1 | 3658.5 | 3667.8 | 3665.2 | 3665.2  | 3670.5  | 3653.2  | 3646.6 | 3651.9 | 3644.0 | 3650.6 |
| 20°   | 3816.4 | 3797.8 | 3801.8 | 3796.5 | 3789.9  | 3795.2  | 3773.9  | 3779.3 | 3783.2 | 3777.9 | 3789.9 |
| 22.5° | 3968.9 | 3945.1 | 3943.7 | 3946.4 | 3931.8  | 3933.1  | 3918.5  | 3931.8 | 3939.8 | 3925.2 | 3939.8 |
| 25°   | 4125.5 | 4100.3 | 4117.5 | 4110.9 | 4092.3  | 4096.3  | 4085.7  | 4098.9 | 4105.6 | 4087.0 | 4108.2 |
| 27.5° | 4291.3 | 4274.0 | 4290.0 | 4293.9 | 4271.4  | 4287.3  | 4271.4  | 4283.3 | 4290.0 | 4262.1 | 4283.3 |
| 30°   | 4485.0 | 4467.7 | 4482.3 | 4492.9 | 4466.4  | 4491.6  | 4478.3  | 4486.3 | 4487.6 | 4454.5 | 4474.4 |
| 32.5° | 4695.9 | 4669.4 | 4706.5 | 4711.8 | 4682.6  | 4713.1  | 4695.9  | 4706.5 | 4713.1 | 4668.0 | 4698.5 |
| 35°   | 4953.2 | 4920.1 | 4962.5 | 4955.9 | 4930.7  | 4955.9  | 4940.0  | 4955.9 | 4971.8 | 4917.4 | 4950.6 |
| 37.5° | 5230.5 | 5196.0 | 5241.1 | 5229.1 | 5205.3  | 5222.5  | 5213.2  | 5223.8 | 5249.0 | 5190.7 | 5226.5 |
| 40°   | 5535.6 | 5493.1 | 5554.1 | 5532.9 | 5510.4  | 5507.7  | 5513.0  | 5519.6 | 5552.8 | 5487.8 | 5509.0 |
| 42.5° | 5861.9 | 5816.8 | 5908.3 | 5875.2 | 5843.3  | 5822.1  | 5839.3  | 5852.6 | 5884.4 | 5811.5 | 5850.0 |
| 45°   | 6234.6 | 6182.9 | 6302.3 | 6262.5 | 6212.1  | 6168.3  | 6196.2  | 6216.1 | 6262.5 | 6175.0 | 6220.1 |
| 47.5° | 6645.9 | 6587.5 | 6714.8 | 6702.9 | 6620.7  | 6525.2  | 6588.8  | 6645.9 | 6680.4 | 6574.2 | 6610.0 |
| 50°   | 7047.8 | 7002.7 | 7169.8 | 7184.4 | 7083.6  | 6949.6  | 7038.5  | 7124.7 | 7134.0 | 6994.7 | 7012.0 |
| 52.5° | 7424.5 | 7379.4 | 7622.2 | 7713.7 | 7623.5  | 7464.3  | 7558.5  | 7646.1 | 7575.8 | 7395.3 | 7400.7 |
| 55°   | 7725.7 | 7688.5 | 7997.6 | 8233.7 | 8264.2  | 8132.9  | 8188.6  | 8186.0 | 7955.1 | 7677.9 | 7687.2 |
| 57.5° | 7798.6 | 7793.3 | 8183.3 | 8683.4 | 9001.8  | 9017.7  | 8907.6  | 8626.4 | 8128.9 | 7756.2 | 7732.3 |
| 60°   | 7467.0 | 7500.1 | 8036.1 | 8918.2 | 9767.2  | 10120.0 | 9643.8  | 8841.3 | 7931.3 | 7413.9 | 7352.9 |
| 62.5° | 6474.7 | 6562.3 | 7208.3 | 8631.7 | 10385.3 | 11388.2 | 10234.1 | 8514.9 | 7119.4 | 6444.2 | 6404.4 |
| 65°   | 4640.2 | 4792.7 | 5506.4 | 7366.2 | 10329.6 | 12502.5 | 10149.2 | 7306.5 | 5559.4 | 4780.8 | 4723.7 |
| 67.5° | 2105.2 | 2260.4 | 2866.6 | 5043.4 | 8979.2  | 12200.0 | 8958.0  | 5096.5 | 3009.9 | 2268.3 | 2235.2 |
| 70°   | 762.7  | 789.3  | 984.3  | 2019.0 | 5738.5  | 9720.7  | 5983.9  | 2033.6 | 1046.6 | 841.0  | 830.4  |
| 72.5° | 461.6  | 465.6  | 506.7  | 723.0  | 1993.8  | 5901.7  | 2078.7  | 746.8  | 517.3  | 459.0  | 466.9  |
| 75°   | 293.2  | 290.5  | 360.8  | 441.7  | 707.0   | 1991.1  | 741.5   | 441.7  | 359.5  | 327.7  | 330.3  |
| 77.5° | 210.9  | 217.5  | 258.7  | 330.3  | 445.7   | 675.2   | 437.8   | 315.7  | 258.7  | 212.2  | 216.2  |
| 80°   | 157.9  | 161.8  | 188.4  | 257.3  | 313.1   | 420.5   | 278.6   | 233.5  | 195.0  | 132.7  | 136.6  |
| 82.5° | 114.1  | 114.1  | 123.4  | 187.0  | 191.0   | 226.8   | 151.2   | 164.5  | 128.7  | 94.2   | 94.2   |
| 85°   | 67.7   | 66.3   | 76.9   | 111.4  | 99.5    | 83.6    | 69.0    | 100.8  | 80.9   | 58.4   | 57.0   |
| 87.5° | 23.9   | 25.2   | 23.9   | 31.8   | 26.5    | 22.6    | 21.2    | 27.9   | 22.6   | 19.9   | 18.6   |
| 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)