

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: P952328

Luminaire Tested: **GALN-SB6B-722-U-5NQ**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P952328  
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-SB6B-722-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 29559 lumens  
Efficiency: N/A  
Efficacy: 134.1 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): 220.4  
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

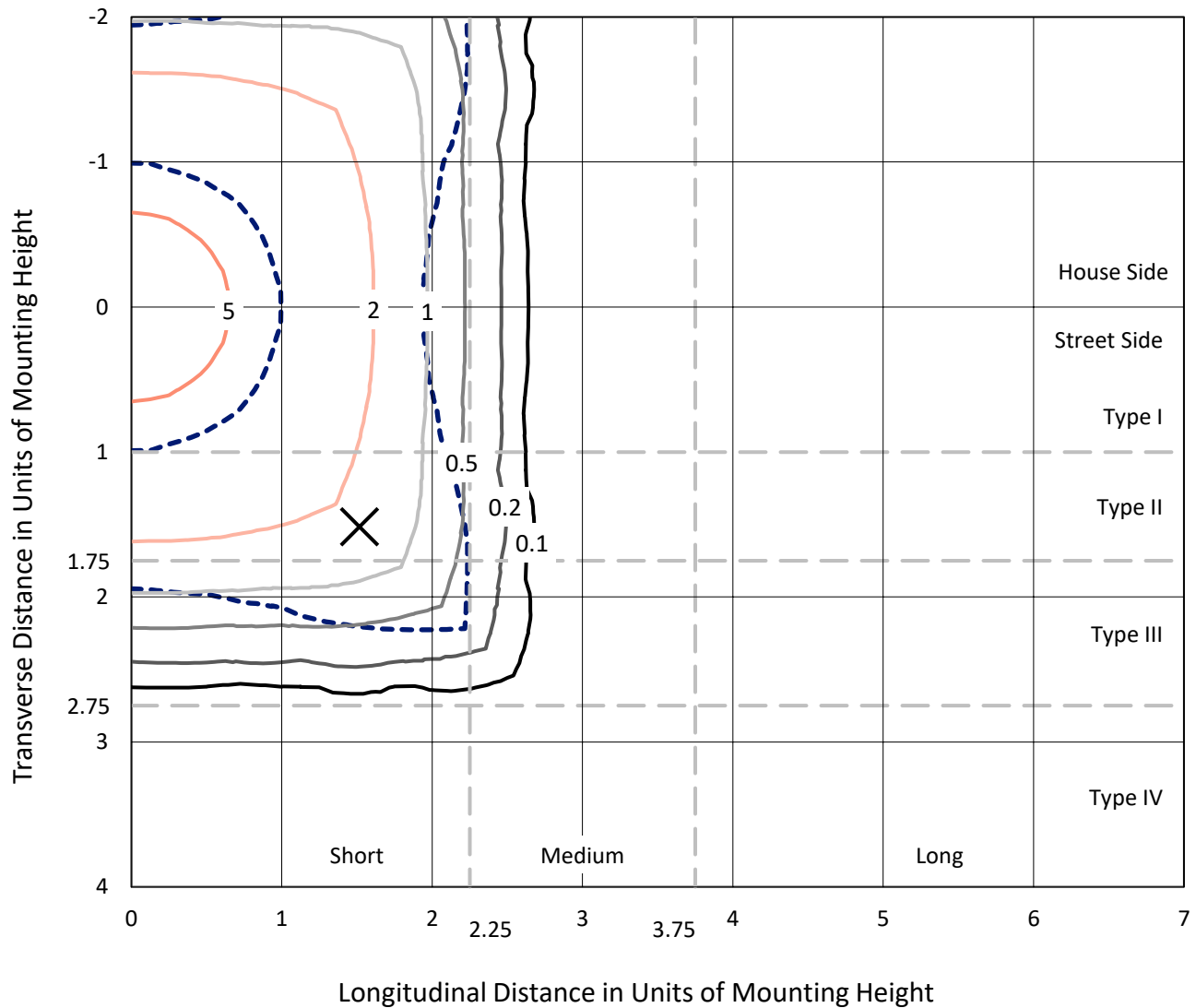


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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

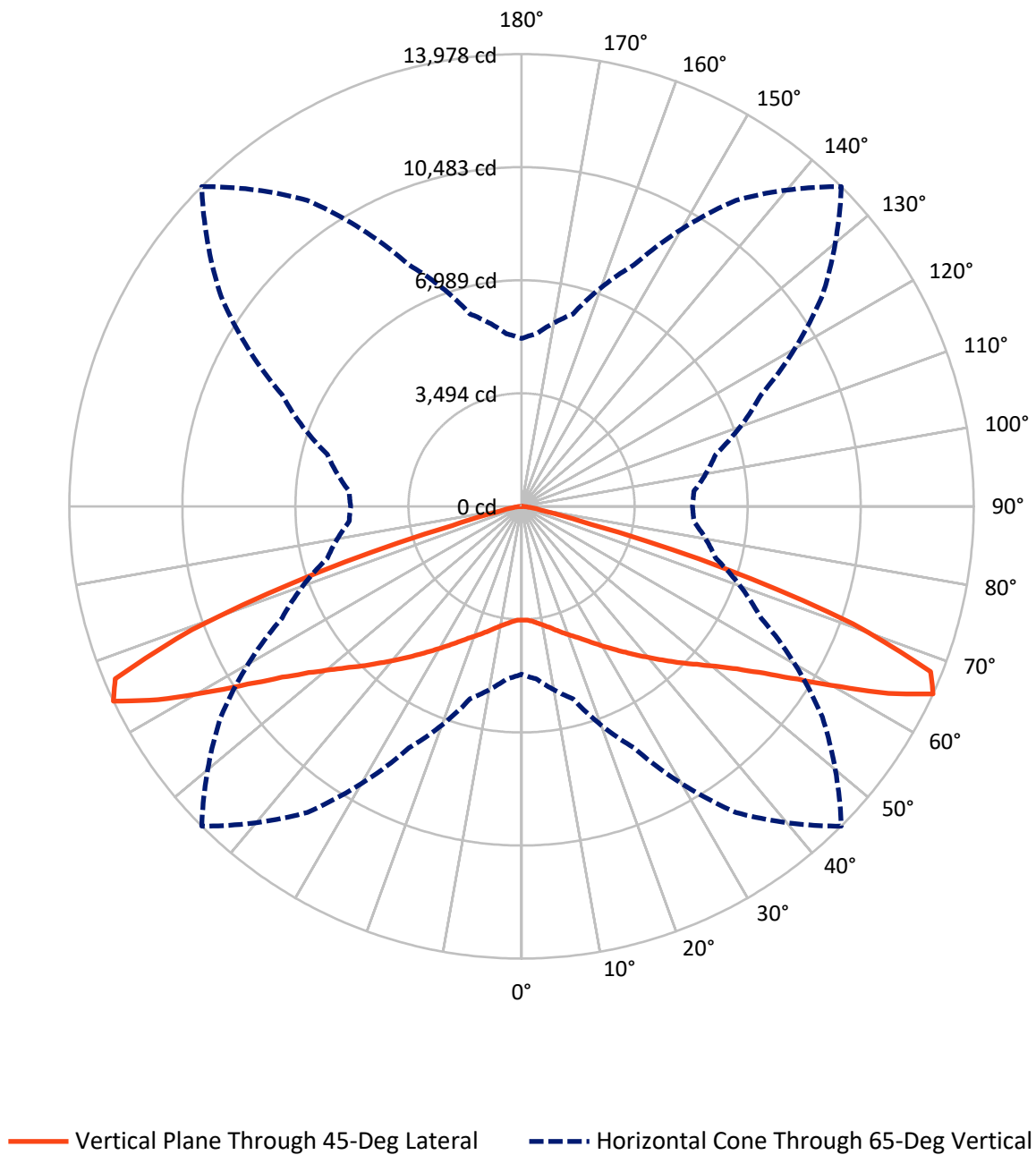


Based on 25 foot mounting height. Maximum calculated value = 5.7 fc  
 Type V - Short - N/A

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## Luminous Intensity Polar Plot



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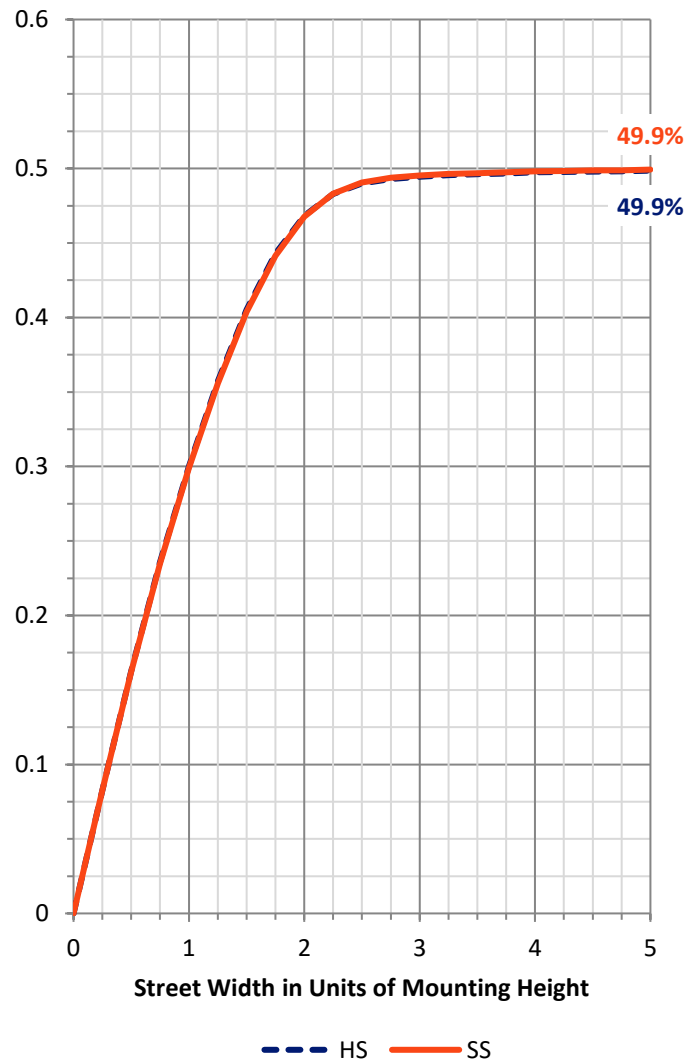
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 14779.5  | 0.0    | 14779.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 14779.5  | 0.0    | 14779.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 29559.0  | 0.0    | 29559.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 347.2   | 1.2       |
| 10°-20°   | 1132.9  | 3.8       |
| 20°-30°   | 2139.0  | 7.2       |
| 30°-40°   | 3502.5  | 11.8      |
| 40°-50°   | 5430.6  | 18.4      |
| 50°-60°   | 8022.2  | 27.1      |
| 60°-70°   | 7636.4  | 25.8      |
| 70°-80°   | 1232.2  | 4.2       |
| 80°-90°   | 116.2   | 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°    | 29559.0 | 100.0     |
| 0°-180°   | 29559.0 | 100.0     |

**Coefficient of Utilization**



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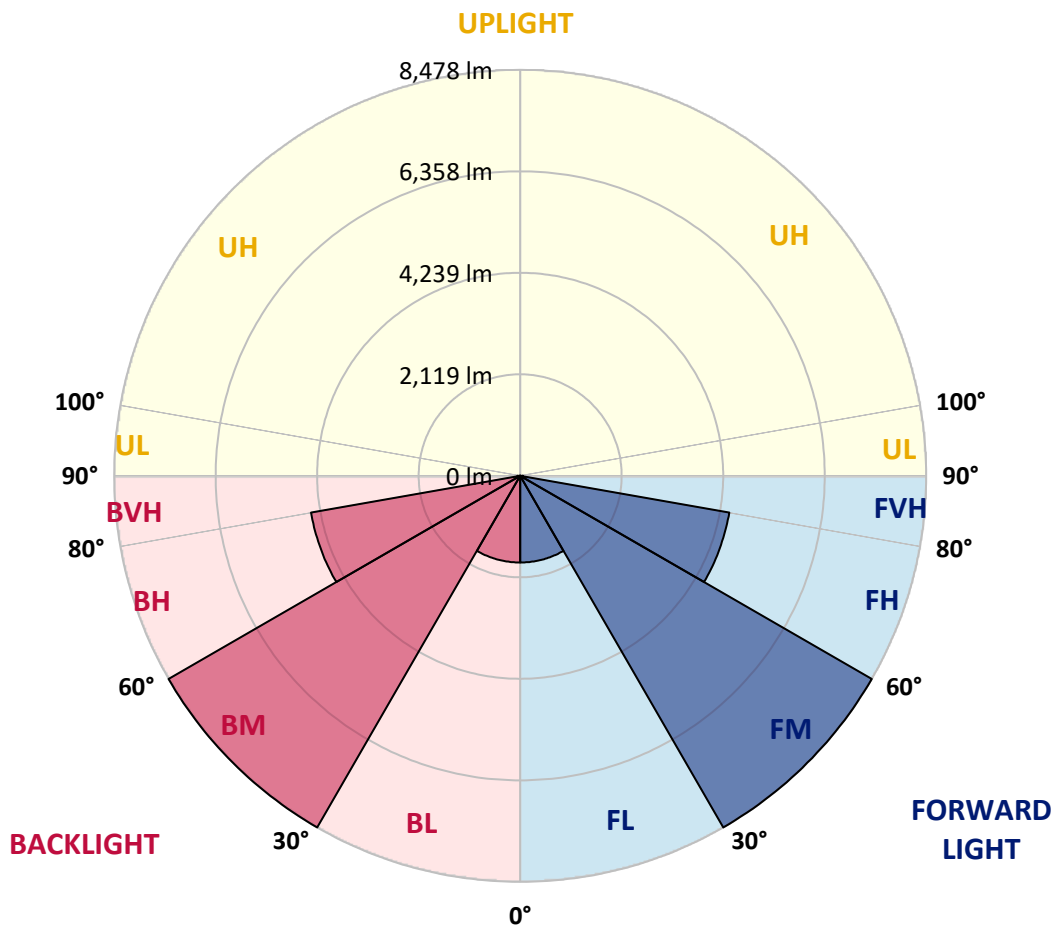
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1809.5 | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 8477.6 | 28.7      |                         |      |         |
| FH   | (60°-80°)   | 4434.3 | 15.0      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 58.1   | 0.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 1809.5 | 6.1       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 8477.6 | 28.7      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 4434.3 | 15.0      | B4/5000                 |      | G2/5000 |
| BVH  | (80°-90°)   | 58.1   | 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°    | 3517.8 | 3517.8 | 3517.8 | 3517.8 | 3517.8  | 3517.8  | 3517.8  | 3517.8 | 3517.8 | 3517.8 | 3517.8 |
| 2.5°  | 3541.5 | 3529.7 | 3538.6 | 3531.2 | 3525.2  | 3519.3  | 3522.3  | 3532.6 | 3537.1 | 3538.6 | 3538.6 |
| 5°    | 3589.0 | 3578.6 | 3583.1 | 3583.1 | 3572.7  | 3569.7  | 3571.2  | 3578.6 | 3587.5 | 3587.5 | 3587.5 |
| 7.5°  | 3666.1 | 3655.7 | 3666.1 | 3660.2 | 3651.3  | 3648.3  | 3646.8  | 3652.8 | 3666.1 | 3666.1 | 3661.7 |
| 10°   | 3759.6 | 3747.7 | 3753.6 | 3750.7 | 3740.3  | 3735.8  | 3734.3  | 3743.2 | 3755.1 | 3753.6 | 3750.7 |
| 12.5° | 3861.9 | 3848.5 | 3856.0 | 3847.1 | 3844.1  | 3839.6  | 3839.6  | 3838.2 | 3845.6 | 3839.6 | 3842.6 |
| 15°   | 3976.1 | 3967.2 | 3970.1 | 3964.2 | 3968.7  | 3965.7  | 3953.8  | 3947.9 | 3950.9 | 3942.0 | 3943.5 |
| 17.5° | 4111.0 | 4090.3 | 4100.7 | 4097.7 | 4097.7  | 4103.6  | 4084.3  | 4076.9 | 4082.9 | 4074.0 | 4081.4 |
| 20°   | 4266.8 | 4246.0 | 4250.4 | 4244.5 | 4237.1  | 4243.0  | 4219.3  | 4225.2 | 4229.7 | 4223.8 | 4237.1 |
| 22.5° | 4437.3 | 4410.6 | 4409.1 | 4412.1 | 4395.8  | 4397.3  | 4381.0  | 4395.8 | 4404.7 | 4388.4 | 4404.7 |
| 25°   | 4612.3 | 4584.1 | 4603.4 | 4596.0 | 4575.2  | 4579.7  | 4567.8  | 4582.7 | 4590.1 | 4569.3 | 4593.0 |
| 27.5° | 4797.7 | 4778.4 | 4796.2 | 4800.7 | 4775.5  | 4793.2  | 4775.5  | 4788.8 | 4796.2 | 4765.1 | 4788.8 |
| 30°   | 5014.2 | 4994.9 | 5011.3 | 5023.1 | 4993.5  | 5021.6  | 5006.8  | 5015.7 | 5017.2 | 4980.1 | 5002.4 |
| 32.5° | 5250.0 | 5220.4 | 5261.9 | 5267.8 | 5235.2  | 5269.3  | 5250.0  | 5261.9 | 5269.3 | 5218.9 | 5253.0 |
| 35°   | 5537.7 | 5500.7 | 5548.1 | 5540.7 | 5512.5  | 5540.7  | 5522.9  | 5540.7 | 5558.5 | 5497.7 | 5534.8 |
| 37.5° | 5847.7 | 5809.1 | 5859.6 | 5846.2 | 5819.5  | 5838.8  | 5828.4  | 5840.3 | 5868.5 | 5803.2 | 5843.3 |
| 40°   | 6188.8 | 6141.3 | 6209.6 | 6185.8 | 6160.6  | 6157.7  | 6163.6  | 6171.0 | 6208.1 | 6135.4 | 6159.1 |
| 42.5° | 6553.6 | 6503.2 | 6605.5 | 6568.5 | 6532.9  | 6509.1  | 6528.4  | 6543.3 | 6578.9 | 6497.3 | 6540.3 |
| 45°   | 6970.4 | 6912.5 | 7046.0 | 7001.5 | 6945.2  | 6896.2  | 6927.4  | 6949.6 | 7001.5 | 6903.6 | 6954.1 |
| 47.5° | 7430.1 | 7364.9 | 7507.2 | 7493.9 | 7401.9  | 7295.2  | 7366.4  | 7430.1 | 7468.7 | 7350.0 | 7390.1 |
| 50°   | 7879.5 | 7829.1 | 8015.9 | 8032.2 | 7919.5  | 7769.7  | 7869.1  | 7965.5 | 7975.9 | 7820.2 | 7839.5 |
| 52.5° | 8300.7 | 8250.3 | 8521.7 | 8624.0 | 8523.1  | 8345.2  | 8450.5  | 8548.4 | 8469.8 | 8268.1 | 8274.0 |
| 55°   | 8637.3 | 8595.8 | 8941.4 | 9205.3 | 9239.5  | 9092.6  | 9154.9  | 9152.0 | 8893.9 | 8583.9 | 8594.3 |
| 57.5° | 8718.9 | 8713.0 | 9149.0 | 9708.1 | 10064.0 | 10081.8 | 9958.7  | 9644.3 | 9088.2 | 8671.4 | 8644.8 |
| 60°   | 8348.1 | 8385.2 | 8984.4 | 9970.6 | 10919.8 | 11314.3 | 10781.8 | 9884.6 | 8867.2 | 8288.8 | 8220.6 |
| 62.5° | 7238.8 | 7336.7 | 8058.9 | 9650.3 | 11610.9 | 12732.1 | 11441.8 | 9519.8 | 7959.6 | 7204.7 | 7160.2 |
| 65°   | 5187.7 | 5358.3 | 6156.2 | 8235.4 | 11548.6 | 13977.8 | 11346.9 | 8168.7 | 6215.5 | 5344.9 | 5281.2 |
| 67.5° | 2353.6 | 2527.1 | 3204.9 | 5638.6 | 10038.8 | 13639.7 | 10015.1 | 5697.9 | 3365.1 | 2536.0 | 2499.0 |
| 70°   | 852.8  | 882.4  | 1100.4 | 2257.2 | 6415.7  | 10867.9 | 6690.1  | 2273.5 | 1170.1 | 940.3  | 928.4  |
| 72.5° | 516.1  | 520.6  | 566.5  | 808.3  | 2229.0  | 6598.1  | 2324.0  | 835.0  | 578.4  | 513.1  | 522.0  |
| 75°   | 327.8  | 324.8  | 403.4  | 493.9  | 790.5   | 2226.1  | 829.0   | 493.9  | 401.9  | 366.3  | 369.3  |
| 77.5° | 235.8  | 243.2  | 289.2  | 369.3  | 498.3   | 754.9   | 489.4   | 353.0  | 289.2  | 237.3  | 241.7  |
| 80°   | 176.5  | 180.9  | 210.6  | 287.7  | 350.0   | 470.1   | 311.4   | 261.0  | 218.0  | 148.3  | 152.8  |
| 82.5° | 127.5  | 127.5  | 137.9  | 209.1  | 213.6   | 253.6   | 169.1   | 183.9  | 143.9  | 105.3  | 105.3  |
| 85°   | 75.6   | 74.2   | 86.0   | 124.6  | 111.2   | 93.4    | 77.1    | 112.7  | 90.5   | 65.3   | 63.8   |
| 87.5° | 26.7   | 28.2   | 26.7   | 35.6   | 29.7    | 25.2    | 23.7    | 31.1   | 25.2   | 22.2   | 20.8   |
| 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)