

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: P944490

Luminaire Tested: **GALN-SB9C-722-U-5WQ**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P944490  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB9C-722-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 56999 lumens  
Efficiency: N/A  
Efficacy: 126.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 449.8  
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



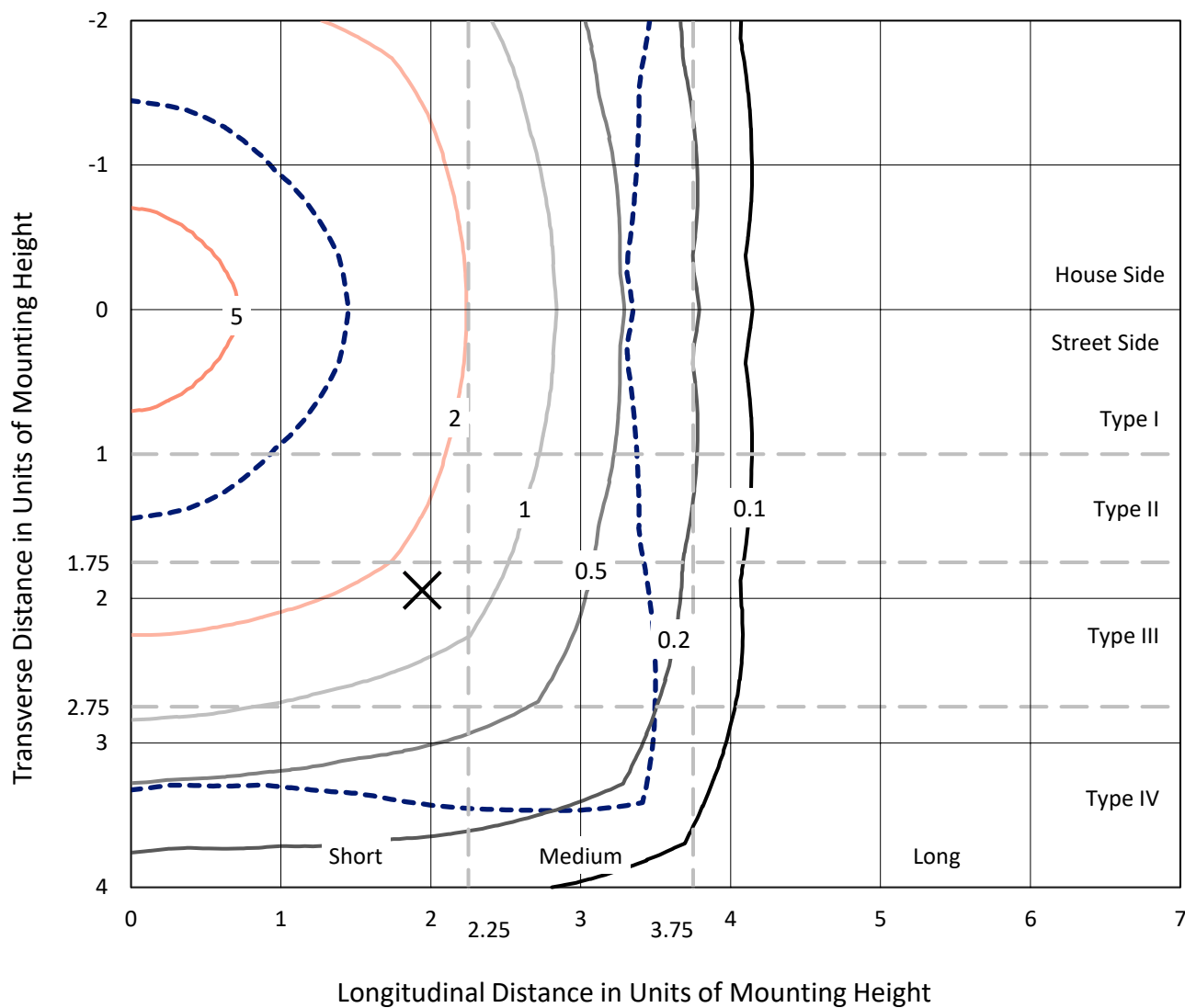
REPORT NUMBER: P944490

CATALOG NUMBER: GALN-SB9C-722-U-5WQ

## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

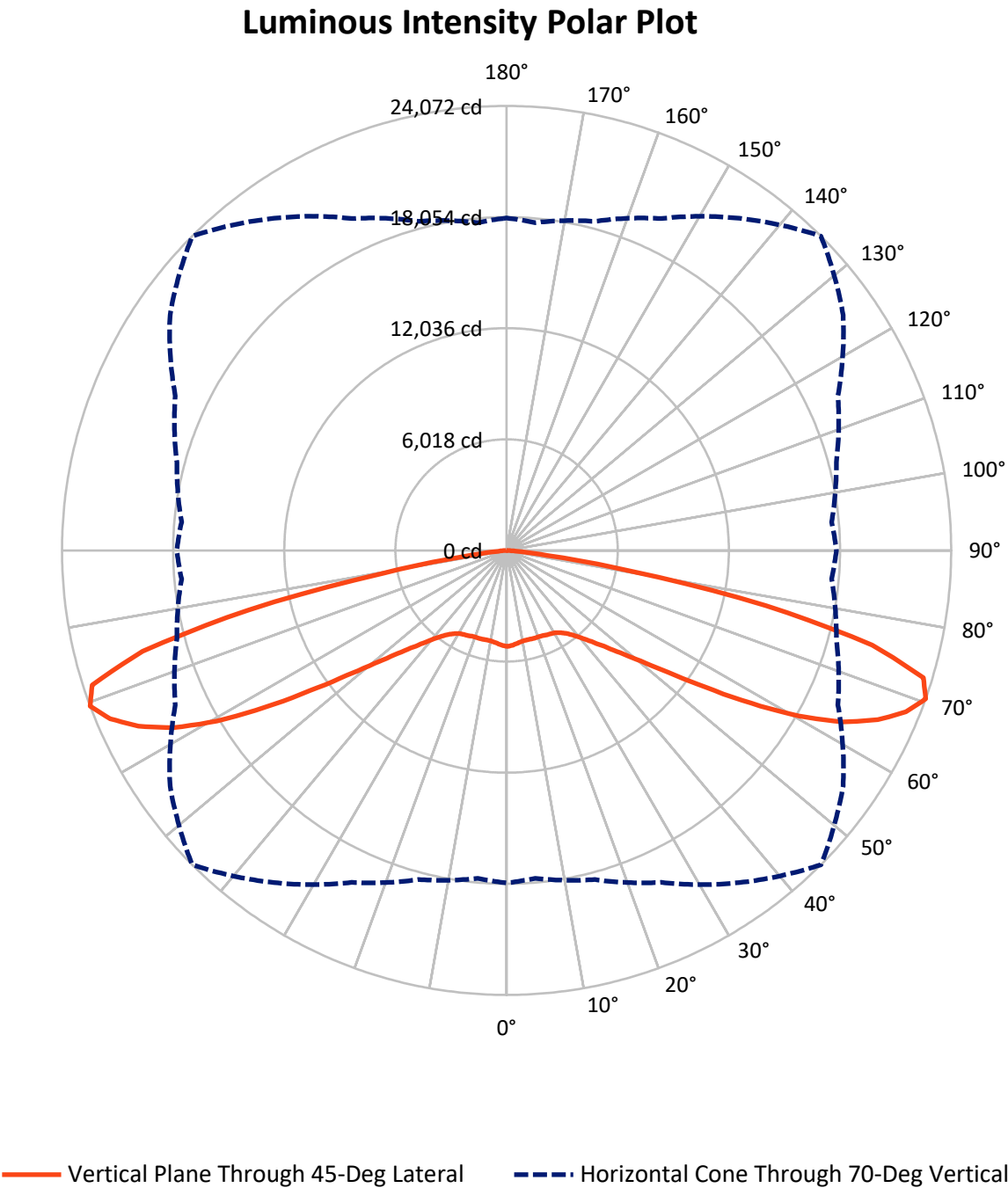
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc

Type V - Short - N/A

REPORT NUMBER: P944490  
CATALOG NUMBER: GALN-SB9C-722-U-5WQ



REPORT NUMBER: P944490

CATALOG NUMBER: GALN-SB9C-722-U-5WQ

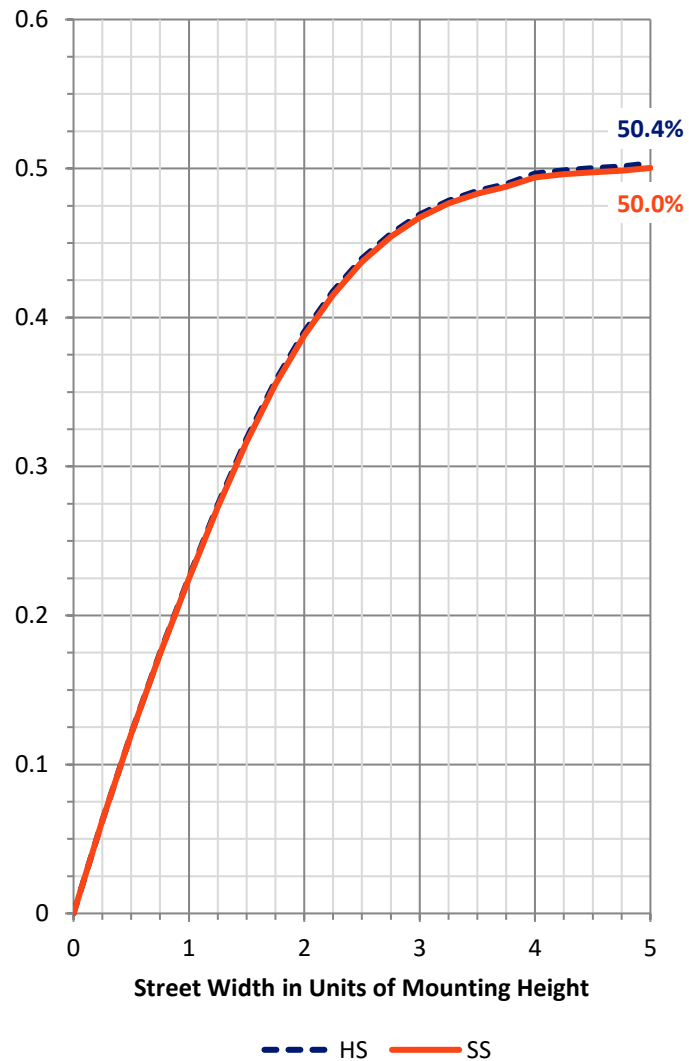
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 28499.5  | 0.0    | 28499.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 28499.5  | 0.0    | 28499.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 56999.0  | 0.0    | 56999.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 483.7   | 0.8       |
| 10°-20°   | 1420.2  | 2.5       |
| 20°-30°   | 2363.4  | 4.1       |
| 30°-40°   | 3574.2  | 6.3       |
| 40°-50°   | 5939.4  | 10.4      |
| 50°-60°   | 11207.4 | 19.7      |
| 60°-70°   | 18924.2 | 33.2      |
| 70°-80°   | 12435.1 | 21.8      |
| 80°-90°   | 651.5   | 1.1       |
| 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°    | 56999.0 | 100.0     |
| 0°-180°   | 56999.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P944490

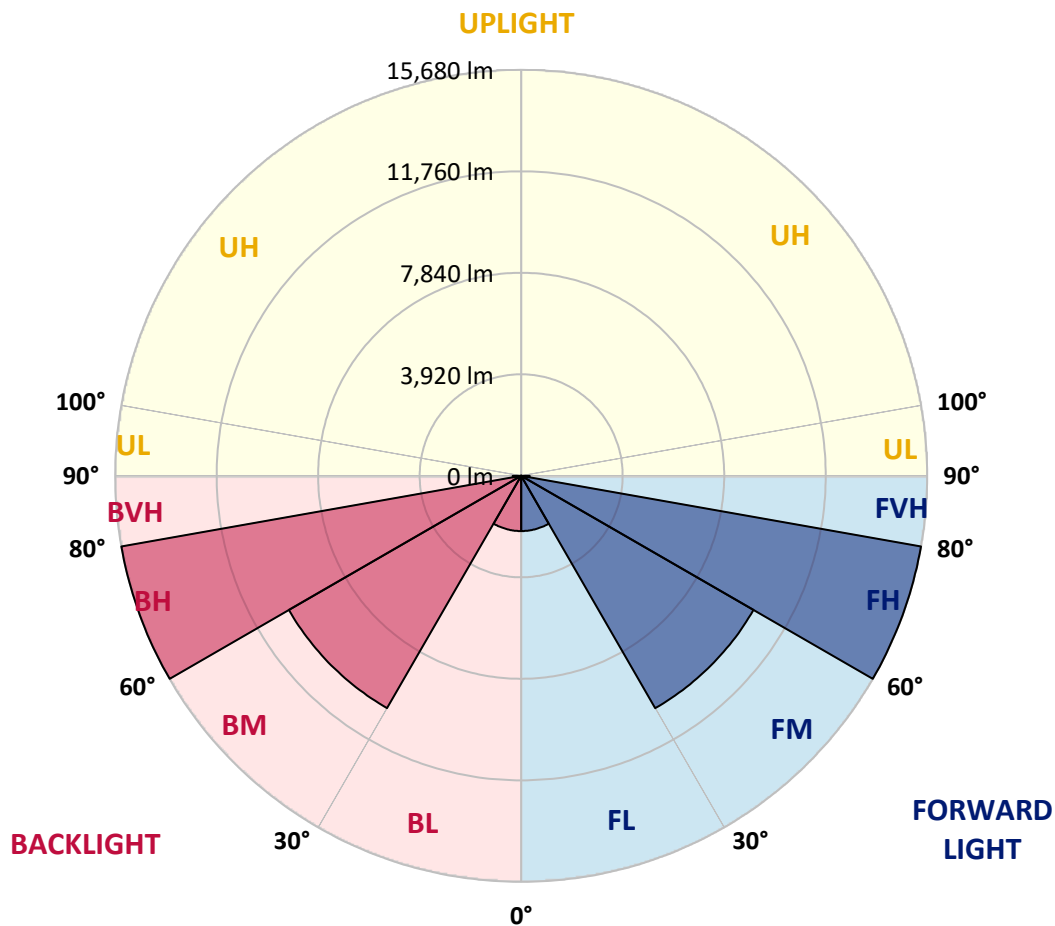
CATALOG NUMBER: GALN-SB9C-722-U-5WQ

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|---------|-----------|-------------------------|------|--------|
|      |             |         |           | B                       | U    | G      |
| FL   | (0°-30°)    | 2133.6  | 3.7       |                         |      |        |
| FM   | (30°-60°)   | 10360.5 | 18.2      |                         |      |        |
| FH   | (60°-80°)   | 15679.7 | 27.5      |                         |      | G5     |
| FVH  | (80°-90°)   | 325.7   | 0.6       |                         |      | G3/500 |
| BL   | (0°-30°)    | 2133.6  | 3.7       | B3/2500                 |      |        |
| BM   | (30°-60°)   | 10360.5 | 18.2      | B5                      |      |        |
| BH   | (60°-80°)   | 15679.7 | 27.5      | B5                      |      | G5     |
| BVH  | (80°-90°)   | 325.7   | 0.6       |                         |      | G3/500 |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |        |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |        |

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

Type V Short



REPORT NUMBER: P944490

CATALOG NUMBER: GALN-SB9C-722-U-5WQ

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     | 90°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5199.5  | 5199.5  | 5199.5  | 5199.5  | 5199.5  | 5199.5  | 5199.5  | 5199.5  | 5199.5  | 5199.5  | 5199.5  |
| 2.5°  | 5166.9  | 5181.7  | 5175.8  | 5163.9  | 5163.9  | 5155.0  | 5163.9  | 5169.8  | 5178.7  | 5184.6  | 5181.7  |
| 5°    | 5098.7  | 5110.6  | 5107.6  | 5098.7  | 5101.7  | 5092.8  | 5098.7  | 5107.6  | 5113.5  | 5116.5  | 5116.5  |
| 7.5°  | 5039.5  | 5051.3  | 5045.4  | 5030.6  | 5030.6  | 5021.7  | 5024.7  | 5033.5  | 5042.4  | 5045.4  | 5045.4  |
| 10°   | 5024.7  | 5036.5  | 5018.7  | 4995.0  | 4986.1  | 4974.3  | 4977.3  | 4986.1  | 5003.9  | 5012.8  | 5012.8  |
| 12.5° | 5030.6  | 5039.5  | 5021.7  | 4986.1  | 4977.3  | 4965.4  | 4965.4  | 4974.3  | 4998.0  | 5009.8  | 5012.8  |
| 15°   | 5048.4  | 5057.2  | 5030.6  | 4992.1  | 4983.2  | 4974.3  | 4971.3  | 4983.2  | 5009.8  | 5030.6  | 5033.5  |
| 17.5° | 5081.0  | 5089.8  | 5048.4  | 4995.0  | 4983.2  | 4986.1  | 4983.2  | 4992.1  | 5033.5  | 5072.1  | 5072.1  |
| 20°   | 5110.6  | 5116.5  | 5060.2  | 4995.0  | 4983.2  | 4986.1  | 4983.2  | 5001.0  | 5054.3  | 5107.6  | 5110.6  |
| 22.5° | 5119.5  | 5125.4  | 5072.1  | 5015.8  | 5006.9  | 5009.8  | 5006.9  | 5024.7  | 5075.0  | 5128.4  | 5128.4  |
| 25°   | 5122.4  | 5131.3  | 5089.8  | 5045.4  | 5060.2  | 5066.1  | 5060.2  | 5063.2  | 5101.7  | 5149.1  | 5146.1  |
| 27.5° | 5166.9  | 5178.7  | 5140.2  | 5101.7  | 5110.6  | 5107.6  | 5116.5  | 5125.4  | 5155.0  | 5202.4  | 5190.6  |
| 30°   | 5258.7  | 5267.6  | 5235.0  | 5196.5  | 5190.6  | 5169.8  | 5196.5  | 5226.1  | 5258.7  | 5300.2  | 5291.3  |
| 32.5° | 5409.8  | 5427.6  | 5386.1  | 5344.6  | 5318.0  | 5306.1  | 5326.9  | 5377.2  | 5421.7  | 5466.1  | 5448.3  |
| 35°   | 5661.6  | 5673.5  | 5635.0  | 5557.9  | 5510.5  | 5510.5  | 5528.3  | 5593.5  | 5664.6  | 5720.9  | 5700.1  |
| 37.5° | 6017.1  | 6032.0  | 5963.8  | 5872.0  | 5800.9  | 5800.9  | 5824.6  | 5892.7  | 5999.4  | 6079.4  | 6049.7  |
| 40°   | 6449.7  | 6470.4  | 6384.5  | 6289.7  | 6221.6  | 6209.7  | 6239.3  | 6316.4  | 6417.1  | 6517.8  | 6485.2  |
| 42.5° | 6971.1  | 6994.8  | 6882.2  | 6799.3  | 6746.0  | 6746.0  | 6760.8  | 6831.9  | 6923.7  | 7048.2  | 7039.3  |
| 45°   | 7637.7  | 7679.2  | 7525.1  | 7442.2  | 7391.8  | 7403.7  | 7412.6  | 7474.8  | 7557.7  | 7699.9  | 7694.0  |
| 47.5° | 8431.7  | 8473.2  | 8310.2  | 8224.3  | 8215.4  | 8271.7  | 8236.2  | 8280.6  | 8325.1  | 8488.0  | 8440.6  |
| 50°   | 9332.4  | 9403.5  | 9290.9  | 9285.0  | 9302.7  | 9406.4  | 9323.5  | 9347.2  | 9296.8  | 9400.5  | 9338.3  |
| 52.5° | 10434.5 | 10538.2 | 10517.4 | 10553.0 | 10751.5 | 10964.8 | 10775.2 | 10692.2 | 10502.6 | 10535.2 | 10425.6 |
| 55°   | 11770.6 | 11927.6 | 11957.3 | 12170.6 | 12620.9 | 13056.4 | 12653.5 | 12318.7 | 11915.8 | 11841.7 | 11726.2 |
| 57.5° | 13290.5 | 13414.9 | 13557.1 | 13992.6 | 14834.0 | 15607.3 | 14834.0 | 14093.3 | 13459.3 | 13308.2 | 13201.6 |
| 60°   | 14925.8 | 15079.9 | 15216.2 | 15859.1 | 17109.3 | 18196.6 | 17085.6 | 15909.4 | 15071.0 | 14866.6 | 14688.8 |
| 62.5° | 16682.7 | 16881.2 | 16976.0 | 17690.0 | 19147.6 | 20445.3 | 19168.4 | 17743.3 | 16813.1 | 16593.8 | 16416.1 |
| 65°   | 18368.4 | 18531.4 | 18638.1 | 19399.5 | 20791.9 | 22092.5 | 20886.7 | 19482.4 | 18525.5 | 18238.1 | 18095.9 |
| 67.5° | 19153.6 | 19242.4 | 19503.1 | 20365.3 | 21834.8 | 23319.0 | 22083.6 | 20457.1 | 19387.6 | 18884.0 | 18889.9 |
| 70°   | 18004.0 | 17823.3 | 18451.4 | 19832.0 | 21959.2 | 24071.6 | 22243.6 | 19790.5 | 18481.0 | 17663.3 | 17858.9 |
| 72.5° | 13912.6 | 13601.5 | 14691.8 | 17053.0 | 20537.1 | 23591.6 | 20679.3 | 17186.4 | 15370.2 | 13711.2 | 14123.0 |
| 75°   | 7569.6  | 7217.0  | 8722.1  | 11708.4 | 16377.5 | 20448.2 | 16753.8 | 12043.2 | 9711.6  | 7513.3  | 8002.1  |
| 77.5° | 2136.1  | 2002.8  | 3217.4  | 5664.6  | 9850.8  | 14357.0 | 10230.0 | 5789.0  | 3815.9  | 2263.5  | 2515.3  |
| 80°   | 654.7   | 634.0   | 859.2   | 1706.5  | 4183.3  | 6876.3  | 4020.3  | 1727.2  | 1093.2  | 690.3   | 728.8   |
| 82.5° | 388.1   | 355.5   | 426.6   | 622.2   | 1066.6  | 2159.8  | 1036.9  | 648.8   | 521.4   | 349.6   | 379.2   |
| 85°   | 222.2   | 207.4   | 251.8   | 302.2   | 358.5   | 459.2   | 299.2   | 308.1   | 278.5   | 186.6   | 195.5   |
| 87.5° | 91.8    | 83.0    | 97.8    | 94.8    | 83.0    | 106.7   | 80.0    | 94.8    | 112.6   | 74.1    | 68.1    |
| 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)