

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: P952331

Luminaire Tested: **GALN-SB6B-722-U-RW**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P952331  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)  
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-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 29048 lumens  
Efficiency: N/A  
Efficacy: 131.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B5 - U0 - G5  
  
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



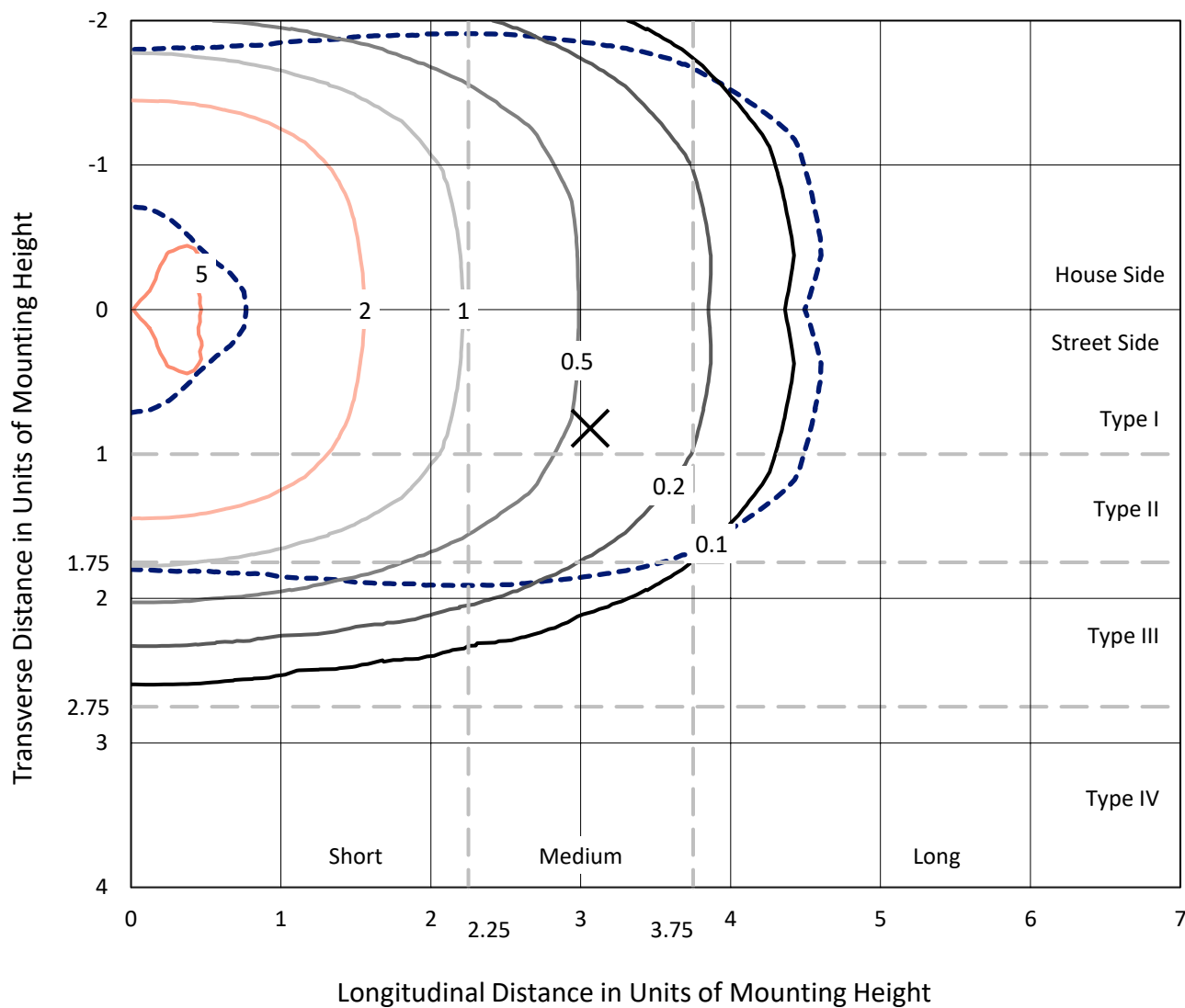
REPORT NUMBER: P952331

CATALOG NUMBER: GALN-SB6B-722-U-RW

## Iso-Footcandle Lines of Horizontal Illumination

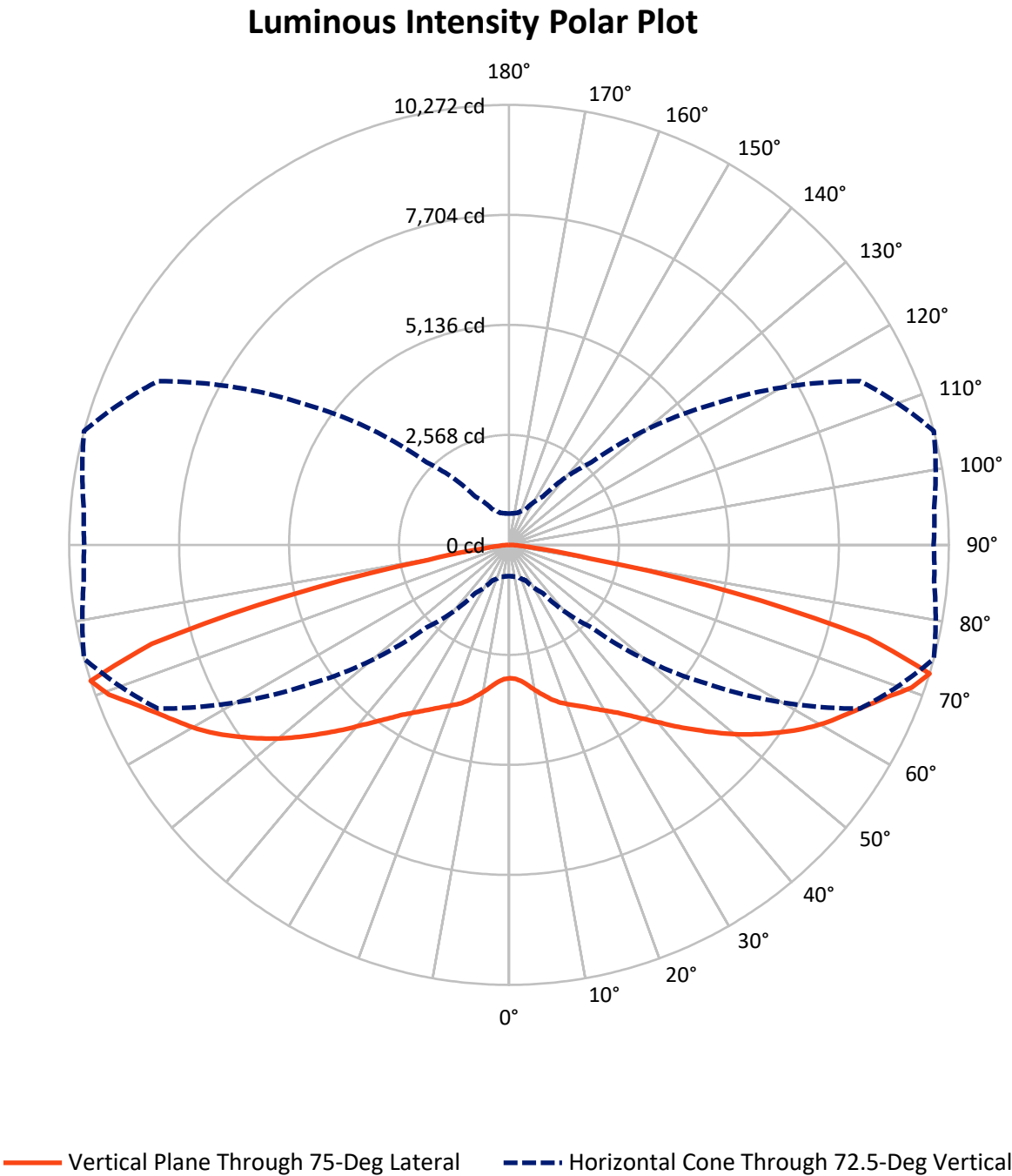
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc  
Type III - Medium - N/A

REPORT NUMBER: P952331  
CATALOG NUMBER: GALN-SB6B-722-U-RW



REPORT NUMBER: P952331

CATALOG NUMBER: GALN-SB6B-722-U-RW

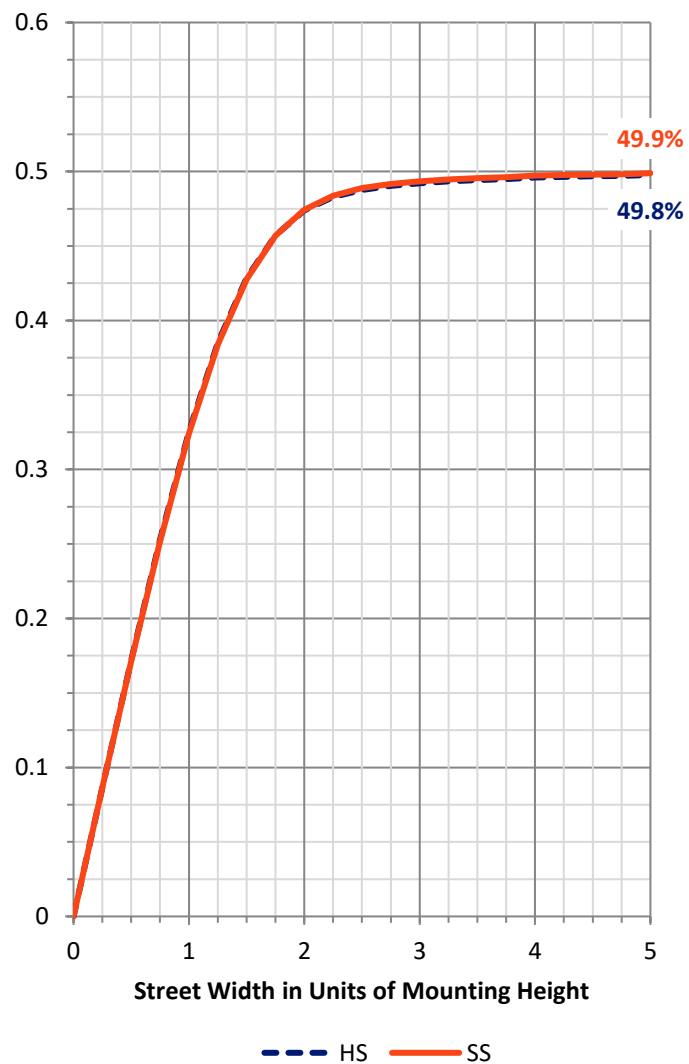
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 14524.0  | 0.0    | 14524.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 14524.0  | 0.0    | 14524.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 29048.0  | 0.0    | 29048.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 304.8   | 1.0       |
| 10°-20°   | 1005.3  | 3.5       |
| 20°-30°   | 1942.5  | 6.7       |
| 30°-40°   | 3280.1  | 11.3      |
| 40°-50°   | 5201.9  | 17.9      |
| 50°-60°   | 6964.7  | 24.0      |
| 60°-70°   | 6628.2  | 22.8      |
| 70°-80°   | 3458.7  | 11.9      |
| 80°-90°   | 261.8   | 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°    | 29048.0 | 100.0     |
| 0°-180°   | 29048.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P952331

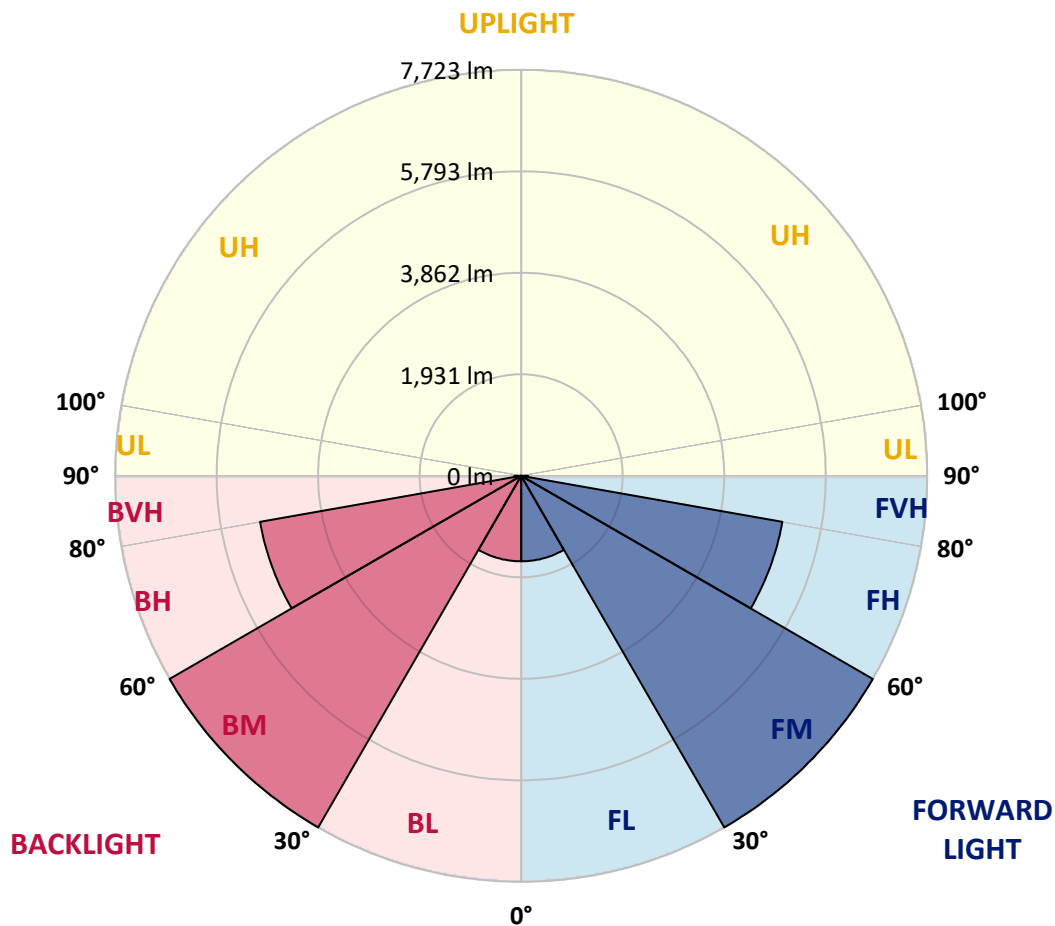
CATALOG NUMBER: GALN-SB6B-722-U-RW

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1626.3 | 5.6       |                         |      |         |
| FM   | (30°-60°)   | 7723.3 | 26.6      |                         |      |         |
| FH   | (60°-80°)   | 5043.4 | 17.4      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 130.9  | 0.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1626.3 | 5.6       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 7723.3 | 26.6      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 5043.4 | 17.4      | B5                      |      | G5      |
| BVH  | (80°-90°)   | 130.9  | 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 III Medium



REPORT NUMBER: P952331

CATALOG NUMBER: GALN-SB6B-722-U-RW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°     | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|--------|
| 0°    | 3111.6 | 3111.6 | 3111.6 | 3111.6 | 3111.6 | 3111.6 | 3111.6 | 3111.6 | 3111.6  | 3111.6 | 3111.6 |
| 2.5°  | 3111.6 | 3108.6 | 3111.6 | 3114.5 | 3113.0 | 3113.0 | 3120.5 | 3124.9 | 3133.8  | 3132.3 | 3130.8 |
| 5°    | 3090.8 | 3089.3 | 3101.2 | 3114.5 | 3124.9 | 3142.7 | 3165.0 | 3181.3 | 3202.0  | 3206.5 | 3206.5 |
| 7.5°  | 3080.4 | 3076.0 | 3096.7 | 3120.5 | 3153.1 | 3197.6 | 3240.6 | 3285.1 | 3320.7  | 3332.5 | 3335.5 |
| 10°   | 3087.8 | 3089.3 | 3117.5 | 3162.0 | 3213.9 | 3276.2 | 3337.0 | 3412.6 | 3463.1  | 3474.9 | 3486.8 |
| 12.5° | 3121.9 | 3119.0 | 3166.4 | 3237.6 | 3308.8 | 3387.4 | 3458.6 | 3541.7 | 3596.5  | 3624.7 | 3636.6 |
| 15°   | 3184.2 | 3178.3 | 3245.0 | 3350.3 | 3454.2 | 3546.1 | 3604.0 | 3682.6 | 3746.3  | 3781.9 | 3795.3 |
| 17.5° | 3258.4 | 3261.4 | 3348.9 | 3485.3 | 3621.7 | 3725.6 | 3780.4 | 3820.5 | 3869.4  | 3900.6 | 3915.4 |
| 20°   | 3388.9 | 3394.8 | 3492.7 | 3654.4 | 3810.1 | 3928.8 | 3973.2 | 3958.4 | 3971.8  | 3995.5 | 4013.3 |
| 22.5° | 3563.9 | 3566.9 | 3676.6 | 3851.6 | 4014.8 | 4145.3 | 4174.9 | 4114.1 | 4077.1  | 4093.4 | 4105.2 |
| 25°   | 3767.1 | 3786.4 | 3896.1 | 4075.6 | 4243.2 | 4367.8 | 4381.1 | 4289.1 | 4197.2  | 4201.6 | 4209.1 |
| 27.5° | 4014.8 | 4032.6 | 4143.8 | 4321.8 | 4492.3 | 4600.6 | 4599.1 | 4476.0 | 4341.1  | 4306.9 | 4317.3 |
| 30°   | 4283.2 | 4302.5 | 4416.7 | 4600.6 | 4759.3 | 4854.2 | 4833.4 | 4686.6 | 4493.8  | 4430.0 | 4437.5 |
| 32.5° | 4602.1 | 4613.9 | 4729.6 | 4913.5 | 5060.4 | 5136.0 | 5093.0 | 4912.1 | 4671.8  | 4599.1 | 4616.9 |
| 35°   | 4987.7 | 5005.5 | 5091.5 | 5265.0 | 5394.1 | 5456.4 | 5383.7 | 5170.1 | 4900.2  | 4818.6 | 4830.5 |
| 37.5° | 5428.2 | 5416.3 | 5514.2 | 5668.4 | 5775.2 | 5813.8 | 5714.4 | 5460.8 | 5161.2  | 5064.8 | 5082.6 |
| 40°   | 5887.9 | 5882.0 | 5988.8 | 6137.1 | 6194.9 | 6218.7 | 6071.8 | 5794.5 | 5462.3  | 5358.5 | 5392.6 |
| 42.5° | 6304.7 | 6300.2 | 6444.1 | 6608.7 | 6678.4 | 6651.7 | 6466.4 | 6149.0 | 5810.8  | 5692.2 | 5721.8 |
| 45°   | 6638.4 | 6632.5 | 6808.9 | 7040.3 | 7176.8 | 7132.3 | 6883.1 | 6540.5 | 6163.8  | 6040.7 | 6068.9 |
| 47.5° | 6895.0 | 6897.9 | 7087.8 | 7374.0 | 7612.8 | 7629.1 | 7308.8 | 6939.5 | 6552.4  | 6413.0 | 6454.5 |
| 50°   | 7080.4 | 7089.3 | 7292.4 | 7609.8 | 7936.1 | 8080.0 | 7743.3 | 7348.8 | 6954.3  | 6797.1 | 6844.5 |
| 52.5° | 7126.3 | 7142.6 | 7387.4 | 7759.6 | 8143.7 | 8418.1 | 8185.3 | 7741.8 | 7335.5  | 7185.7 | 7224.2 |
| 55°   | 6881.6 | 6914.2 | 7224.2 | 7747.8 | 8271.3 | 8640.6 | 8573.8 | 8140.8 | 7719.6  | 7565.3 | 7608.3 |
| 57.5° | 6319.5 | 6365.5 | 6727.4 | 7411.1 | 8243.1 | 8793.3 | 8874.9 | 8523.4 | 8103.7  | 7955.4 | 7989.5 |
| 60°   | 5532.0 | 5586.9 | 5933.9 | 6679.9 | 7845.6 | 8849.7 | 9087.0 | 8895.7 | 8456.7  | 8312.8 | 8344.0 |
| 62.5° | 4344.0 | 4415.2 | 4830.5 | 5705.5 | 7006.2 | 8587.2 | 9267.9 | 9232.3 | 8774.1  | 8594.6 | 8615.4 |
| 65°   | 2786.8 | 2862.4 | 3299.9 | 4333.6 | 5886.5 | 7783.4 | 9324.3 | 9560.1 | 9109.2  | 8858.6 | 8889.7 |
| 67.5° | 1680.4 | 1714.5 | 1931.0 | 2626.6 | 4302.5 | 6571.7 | 8846.7 | 9923.5 | 9500.8  | 9189.3 | 9213.1 |
| 70°   | 1075.3 | 1094.5 | 1223.6 | 1542.4 | 2432.3 | 4794.9 | 7663.2 | 9991.7 | 9975.4  | 9529.0 | 9526.0 |
| 72.5° | 729.7  | 735.6  | 769.7  | 913.6  | 1376.3 | 2724.5 | 5652.1 | 9045.5 | 10272.0 | 9966.5 | 9919.0 |
| 75°   | 533.9  | 566.5  | 621.4  | 646.6  | 781.6  | 1361.5 | 3239.1 | 6355.1 | 8656.9  | 8790.4 | 8467.1 |
| 77.5° | 397.5  | 399.0  | 474.6  | 504.3  | 557.6  | 725.2  | 1370.4 | 3547.6 | 5374.8  | 5643.2 | 5033.7 |
| 80°   | 336.7  | 318.9  | 317.4  | 406.4  | 419.7  | 452.3  | 612.5  | 1225.0 | 1925.1  | 1167.2 | 882.4  |
| 82.5° | 280.3  | 261.0  | 235.8  | 317.4  | 286.2  | 277.3  | 265.5  | 498.3  | 612.5   | 301.1  | 256.6  |
| 85°   | 195.8  | 186.9  | 178.0  | 207.6  | 163.1  | 139.4  | 127.5  | 232.8  | 258.1   | 127.5  | 112.7  |
| 87.5° | 84.5   | 87.5   | 89.0   | 92.0   | 68.2   | 48.9   | 48.9   | 65.3   | 65.3    | 50.4   | 37.1   |
| 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)