

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: P952373

Luminaire Tested: **GALN-SB6B-730-U-RW**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P952373  
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-730-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 35163 lumens  
Efficiency: N/A  
Efficacy: 159.5 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

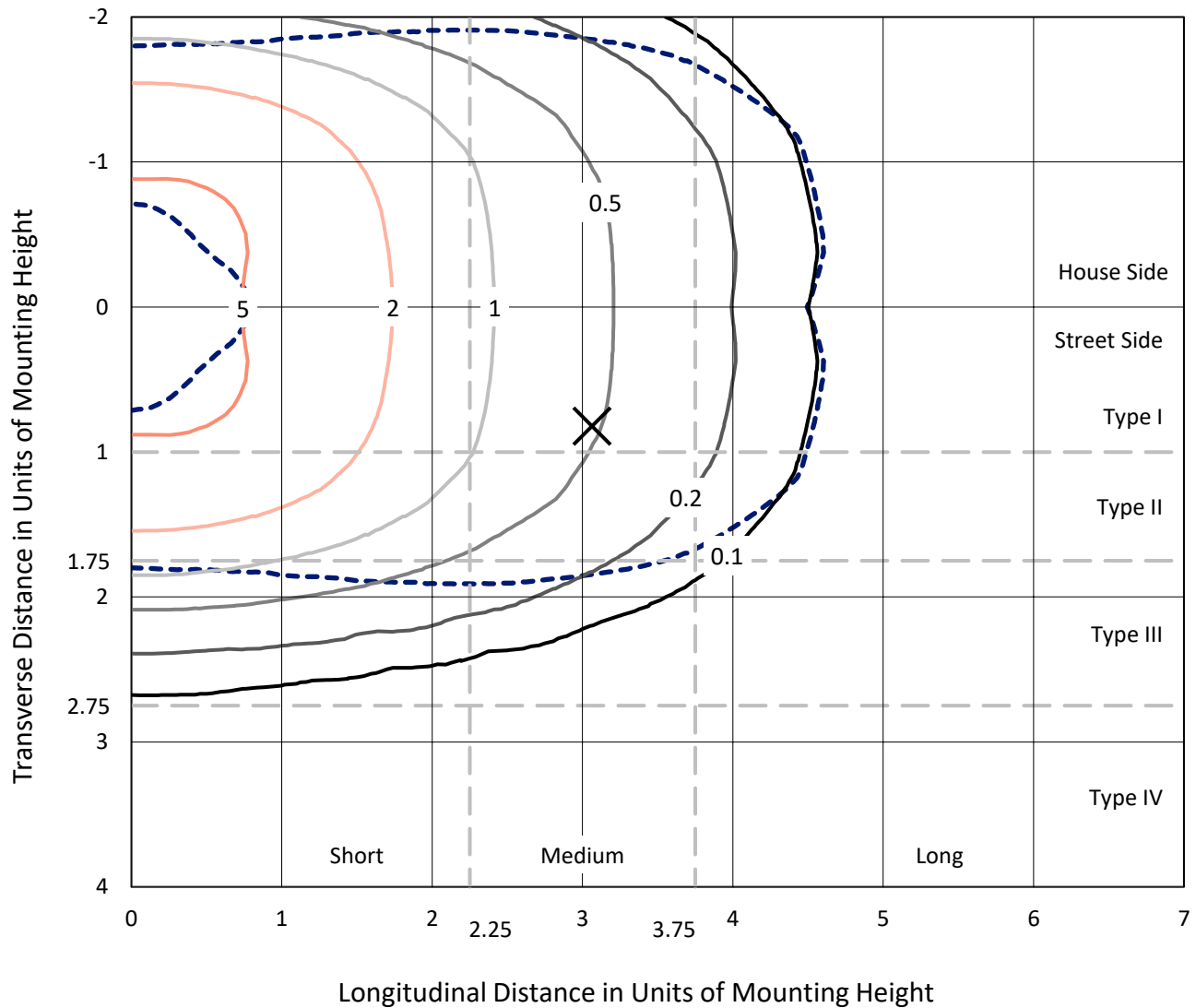


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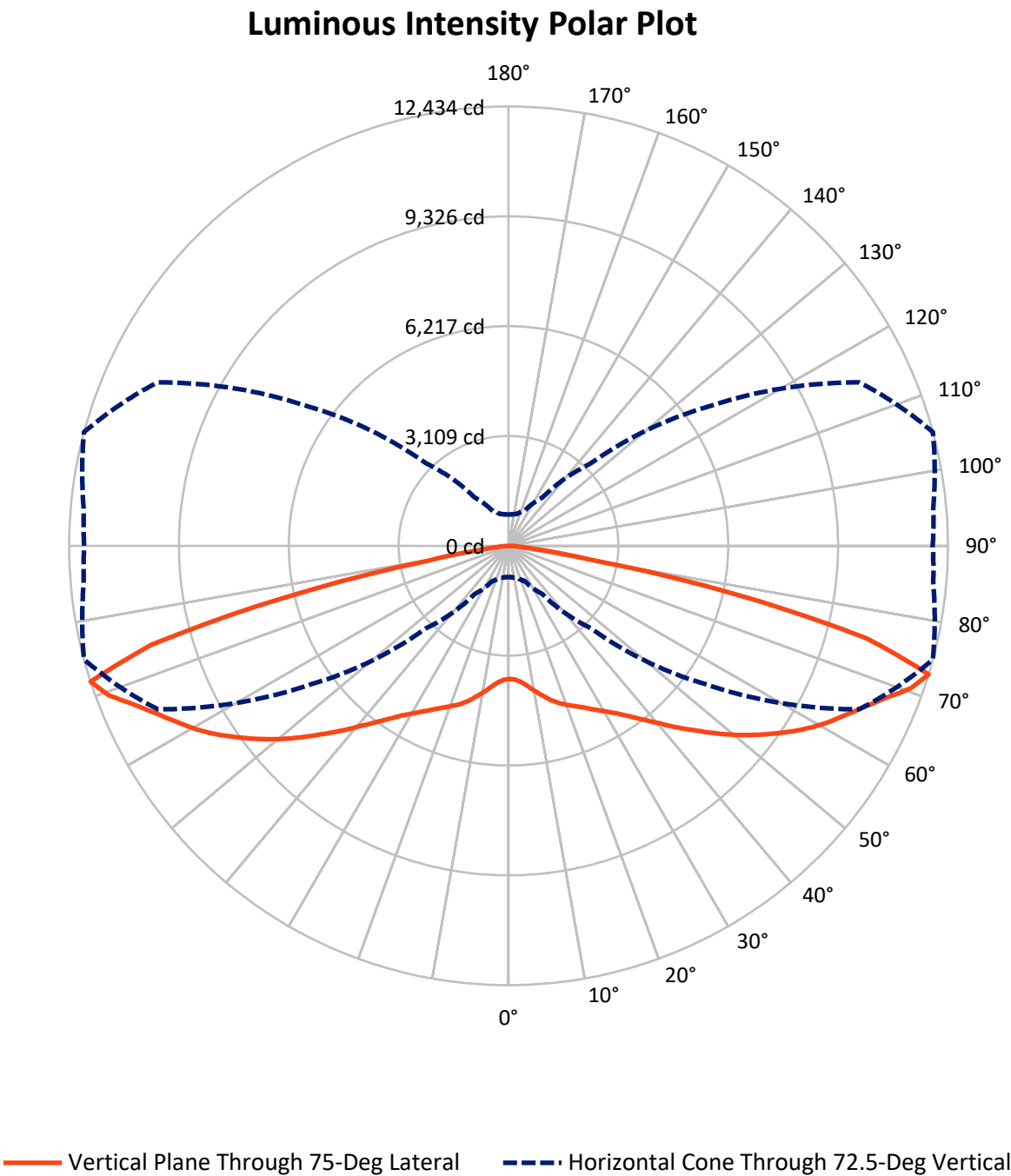
## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc  
 Type III - Medium - N/A

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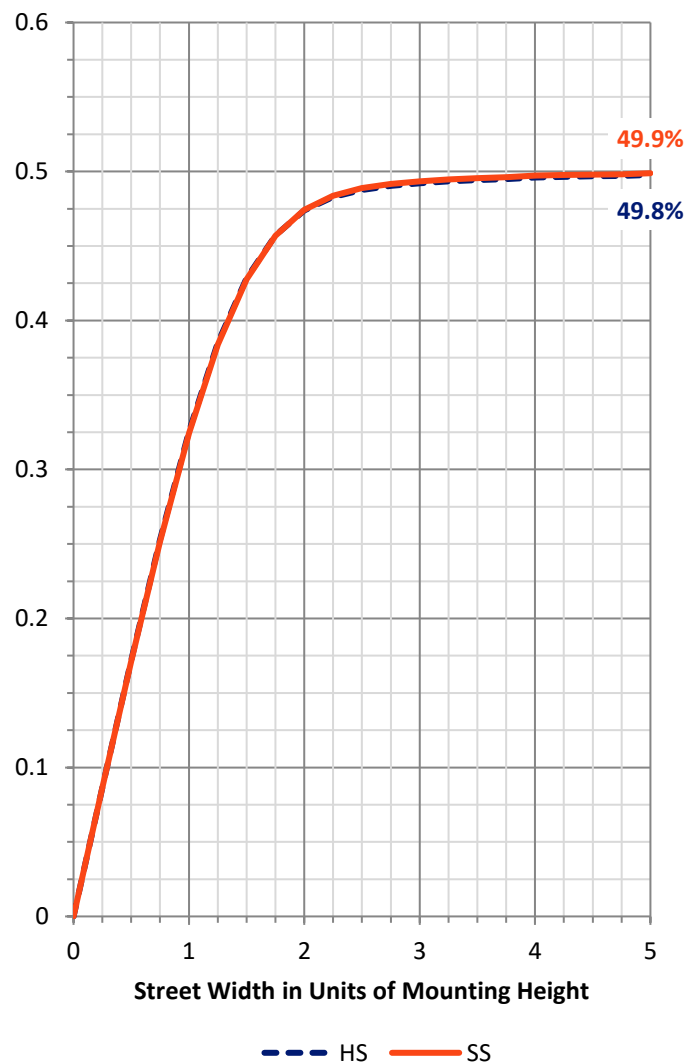
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 17581.5  | 0.0    | 17581.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 17581.5  | 0.0    | 17581.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 35163.0  | 0.0    | 35163.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 369.0   | 1.0       |
| 10°-20°   | 1216.9  | 3.5       |
| 20°-30°   | 2351.5  | 6.7       |
| 30°-40°   | 3970.6  | 11.3      |
| 40°-50°   | 6296.9  | 17.9      |
| 50°-60°   | 8430.9  | 24.0      |
| 60°-70°   | 8023.5  | 22.8      |
| 70°-80°   | 4186.8  | 11.9      |
| 80°-90°   | 316.9   | 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°    | 35163.0 | 100.0     |
| 0°-180°   | 35163.0 | 100.0     |

**Coefficient of Utilization**



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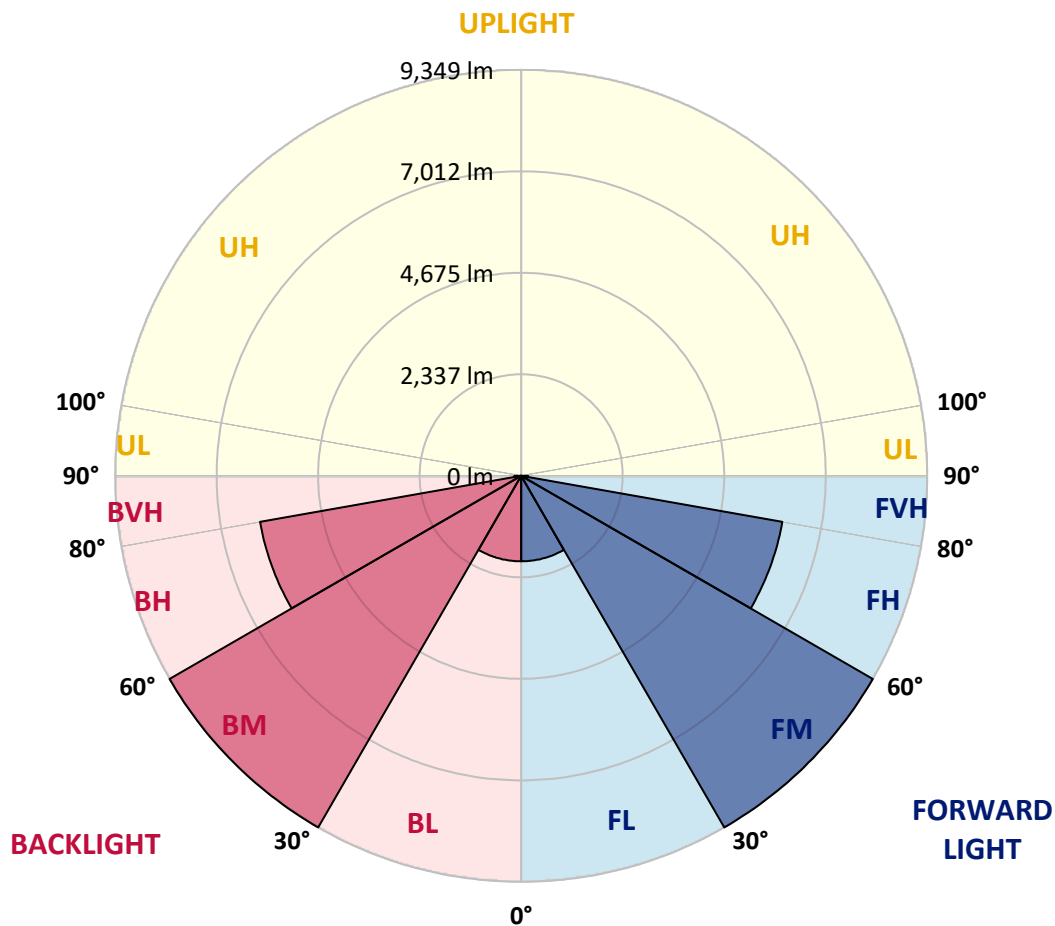
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1968.7 | 5.6       |                         |      |         |
| FM   | (30°-60°)   | 9349.2 | 26.6      |                         |      |         |
| FH   | (60°-80°)   | 6105.1 | 17.4      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 158.5  | 0.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1968.7 | 5.6       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 9349.2 | 26.6      | B5                      |      |         |
| BH   | (60°-80°)   | 6105.1 | 17.4      | B5                      |      | G5      |
| BVH  | (80°-90°)   | 158.5  | 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



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     | 90°     |
|-------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3766.6 | 3766.6 | 3766.6 | 3766.6 | 3766.6  | 3766.6  | 3766.6  | 3766.6  | 3766.6  | 3766.6  | 3766.6  |
| 2.5°  | 3766.6 | 3763.0 | 3766.6 | 3770.2 | 3768.4  | 3768.4  | 3777.4  | 3782.7  | 3793.5  | 3791.7  | 3789.9  |
| 5°    | 3741.5 | 3739.7 | 3754.0 | 3770.2 | 3782.7  | 3804.3  | 3831.2  | 3851.0  | 3876.1  | 3881.5  | 3881.5  |
| 7.5°  | 3728.9 | 3723.5 | 3748.6 | 3777.4 | 3816.9  | 3870.7  | 3922.8  | 3976.6  | 4019.7  | 4034.1  | 4037.7  |
| 10°   | 3737.9 | 3739.7 | 3773.8 | 3827.6 | 3890.5  | 3965.9  | 4039.5  | 4131.0  | 4192.1  | 4206.4  | 4220.8  |
| 12.5° | 3779.2 | 3775.6 | 3833.0 | 3919.2 | 4005.4  | 4100.5  | 4186.7  | 4287.2  | 4353.7  | 4387.8  | 4402.1  |
| 15°   | 3854.6 | 3847.4 | 3928.2 | 4055.6 | 4181.3  | 4292.6  | 4362.6  | 4457.8  | 4535.0  | 4578.1  | 4594.2  |
| 17.5° | 3944.3 | 3947.9 | 4053.8 | 4219.0 | 4384.2  | 4509.9  | 4576.3  | 4624.8  | 4684.0  | 4721.7  | 4739.7  |
| 20°   | 4102.3 | 4109.5 | 4228.0 | 4423.7 | 4612.2  | 4755.8  | 4809.7  | 4791.7  | 4807.9  | 4836.6  | 4858.1  |
| 22.5° | 4314.2 | 4317.8 | 4450.6 | 4662.5 | 4859.9  | 5017.9  | 5053.8  | 4980.2  | 4935.3  | 4955.1  | 4969.5  |
| 25°   | 4560.1 | 4583.5 | 4716.3 | 4933.5 | 5136.4  | 5287.2  | 5303.4  | 5192.1  | 5080.8  | 5086.1  | 5095.1  |
| 27.5° | 4859.9 | 4881.5 | 5016.1 | 5231.6 | 5438.0  | 5569.1  | 5567.3  | 5418.3  | 5254.9  | 5213.6  | 5226.2  |
| 30°   | 5184.9 | 5208.2 | 5346.5 | 5569.1 | 5761.2  | 5876.1  | 5851.0  | 5673.2  | 5439.8  | 5362.6  | 5371.6  |
| 32.5° | 5570.9 | 5585.2 | 5725.3 | 5947.9 | 6125.6  | 6217.2  | 6165.1  | 5946.1  | 5655.3  | 5567.3  | 5588.8  |
| 35°   | 6037.7 | 6059.2 | 6163.3 | 6373.4 | 6529.6  | 6605.0  | 6517.0  | 6258.5  | 5931.7  | 5833.0  | 5847.4  |
| 37.5° | 6570.9 | 6556.5 | 6675.0 | 6861.7 | 6991.0  | 7037.7  | 6917.4  | 6610.4  | 6247.7  | 6131.0  | 6152.6  |
| 40°   | 7127.4 | 7120.2 | 7249.5 | 7429.0 | 7499.1  | 7527.8  | 7350.1  | 7014.3  | 6612.2  | 6486.5  | 6527.8  |
| 42.5° | 7631.9 | 7626.5 | 7800.7 | 8000.0 | 8084.3  | 8052.0  | 7827.6  | 7443.4  | 7034.1  | 6890.4  | 6926.4  |
| 45°   | 8035.9 | 8028.7 | 8242.3 | 8522.4 | 8687.6  | 8633.7  | 8332.1  | 7917.4  | 7461.4  | 7312.3  | 7346.5  |
| 47.5° | 8346.5 | 8350.0 | 8579.8 | 8926.3 | 9215.4  | 9235.1  | 8847.3  | 8400.3  | 7931.7  | 7763.0  | 7813.2  |
| 50°   | 8570.9 | 8581.6 | 8827.6 | 9211.8 | 9606.8  | 9780.9  | 9373.4  | 8895.8  | 8418.3  | 8228.0  | 8285.4  |
| 52.5° | 8626.5 | 8646.3 | 8942.5 | 9393.1 | 9858.1  | 10190.3 | 9908.4  | 9371.6  | 8879.7  | 8698.3  | 8745.0  |
| 55°   | 8330.3 | 8369.8 | 8745.0 | 9378.8 | 10012.5 | 10459.5 | 10378.8 | 9854.5  | 9344.7  | 9157.9  | 9210.0  |
| 57.5° | 7649.9 | 7705.5 | 8143.6 | 8971.2 | 9978.4  | 10644.5 | 10743.2 | 10317.7 | 9809.6  | 9630.1  | 9671.4  |
| 60°   | 6696.6 | 6763.0 | 7183.1 | 8086.1 | 9497.3  | 10712.7 | 10999.9 | 10768.3 | 10236.9 | 10062.8 | 10100.5 |
| 62.5° | 5258.5 | 5344.7 | 5847.4 | 6906.6 | 8481.1  | 10394.9 | 11219.0 | 11175.9 | 10621.1 | 10403.9 | 10429.0 |
| 65°   | 3373.4 | 3465.0 | 3994.6 | 5245.9 | 7125.6  | 9421.9  | 11287.2 | 11572.6 | 11026.9 | 10723.5 | 10761.2 |
| 67.5° | 2034.1 | 2075.4 | 2337.5 | 3179.5 | 5208.2  | 7955.1  | 10709.1 | 12012.5 | 11500.8 | 11123.8 | 11152.5 |
| 70°   | 1301.6 | 1324.9 | 1481.1 | 1867.1 | 2944.3  | 5804.3  | 9276.4  | 12095.1 | 12075.3 | 11534.9 | 11531.4 |
| 72.5° | 883.3  | 890.5  | 931.8  | 1105.9 | 1666.1  | 3298.0  | 6842.0  | 10949.7 | 12434.4 | 12064.6 | 12007.1 |
| 75°   | 646.3  | 685.8  | 752.2  | 782.8  | 946.1   | 1648.1  | 3921.0  | 7693.0  | 10479.3 | 10640.9 | 10249.5 |
| 77.5° | 481.1  | 482.9  | 574.5  | 610.4  | 675.0   | 877.9   | 1658.9  | 4294.4  | 6506.2  | 6831.2  | 6093.3  |
| 80°   | 407.5  | 386.0  | 384.2  | 491.9  | 508.1   | 547.6   | 741.5   | 1482.9  | 2330.3  | 1412.9  | 1068.2  |
| 82.5° | 339.3  | 316.0  | 285.5  | 384.2  | 346.5   | 335.7   | 321.4   | 603.2   | 741.5   | 364.5   | 310.6   |
| 85°   | 237.0  | 226.2  | 215.4  | 251.3  | 197.5   | 168.8   | 154.4   | 281.9   | 312.4   | 154.4   | 136.4   |
| 87.5° | 102.3  | 105.9  | 107.7  | 111.3  | 82.6    | 59.2    | 59.2    | 79.0    | 79.0    | 61.0    | 44.9    |
| 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)