

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P642307

Luminaire Tested: GWS-SA6C-760-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642307  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6C-760-U-5NQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (96) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

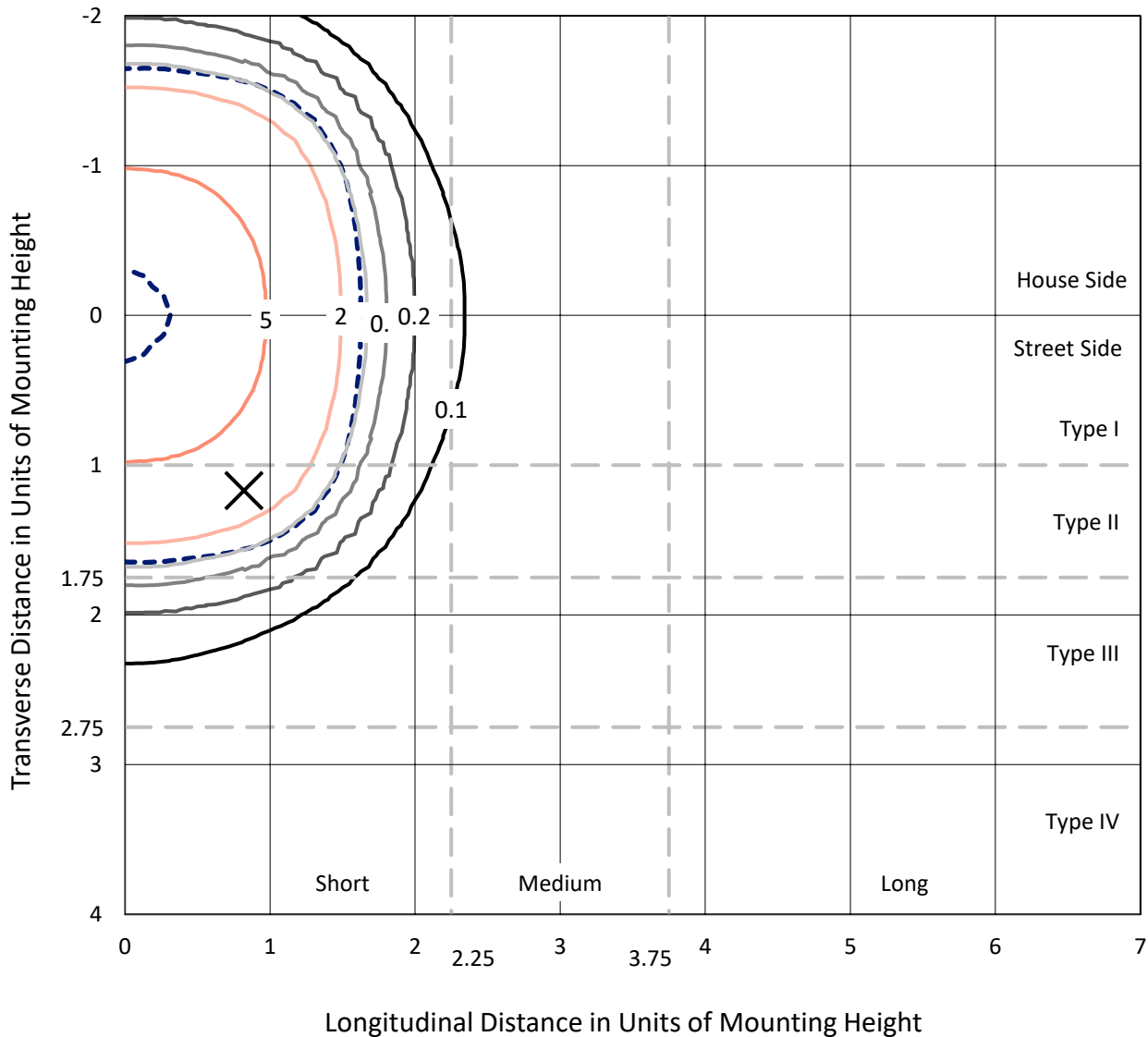
Lumens per Lamp: N/A  
Luminaire Lumens: 25970.4 lumens  
Efficiency: N/A  
Efficacy: 137.3 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1  
  
Input Watts (W): 189.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

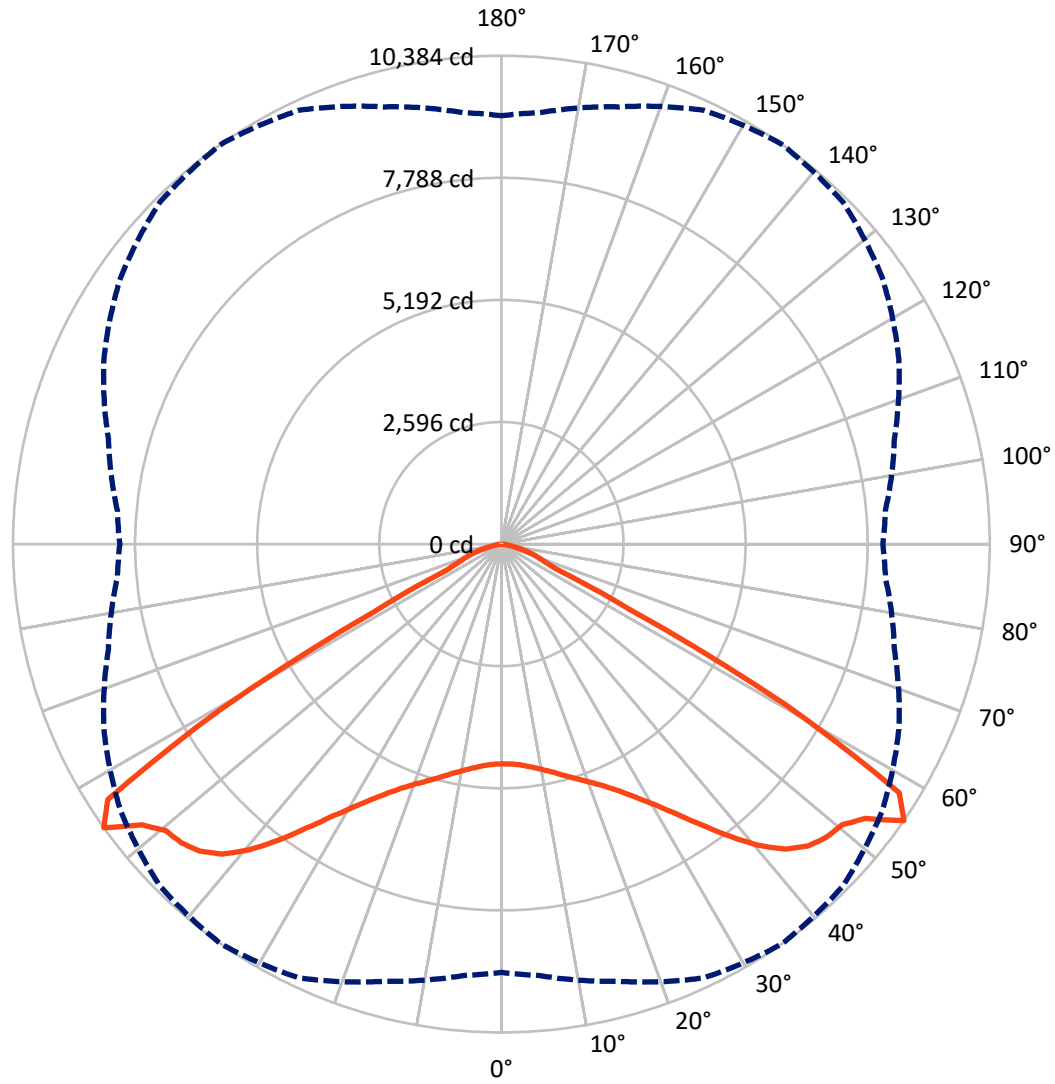
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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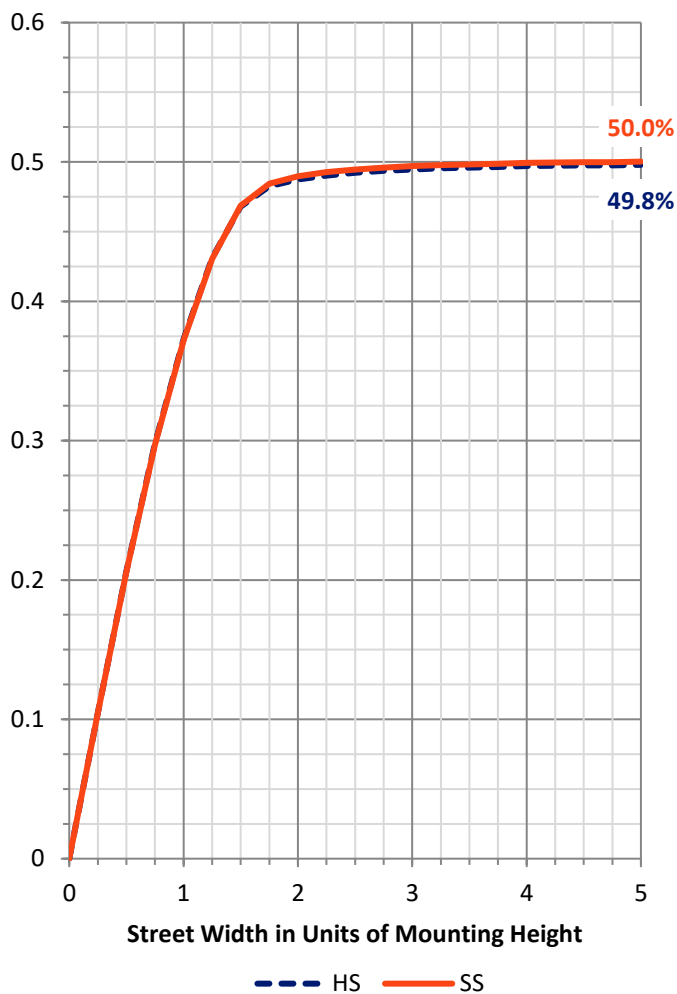
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 12985.2  | 0.0    | 12985.2 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 12985.2  | 0.0    | 12985.2 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 25970.4  | 0.0    | 25970.4 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 455.7   | 1.8       |
| 10°-20°   | 1450.9  | 5.6       |
| 20°-30°   | 2685.3  | 10.3      |
| 30°-40°   | 4491.9  | 17.3      |
| 40°-50°   | 6845.0  | 26.4      |
| 50°-60°   | 7667.8  | 29.5      |
| 60°-70°   | 1814.3  | 7.0       |
| 70°-80°   | 489.1   | 1.9       |
| 80°-90°   | 70.4    | 0.3       |
| 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°    | 25970.4 | 100.0     |
| 0°-180°   | 25970.4 | 100.0     |

**Coefficient of Utilization**



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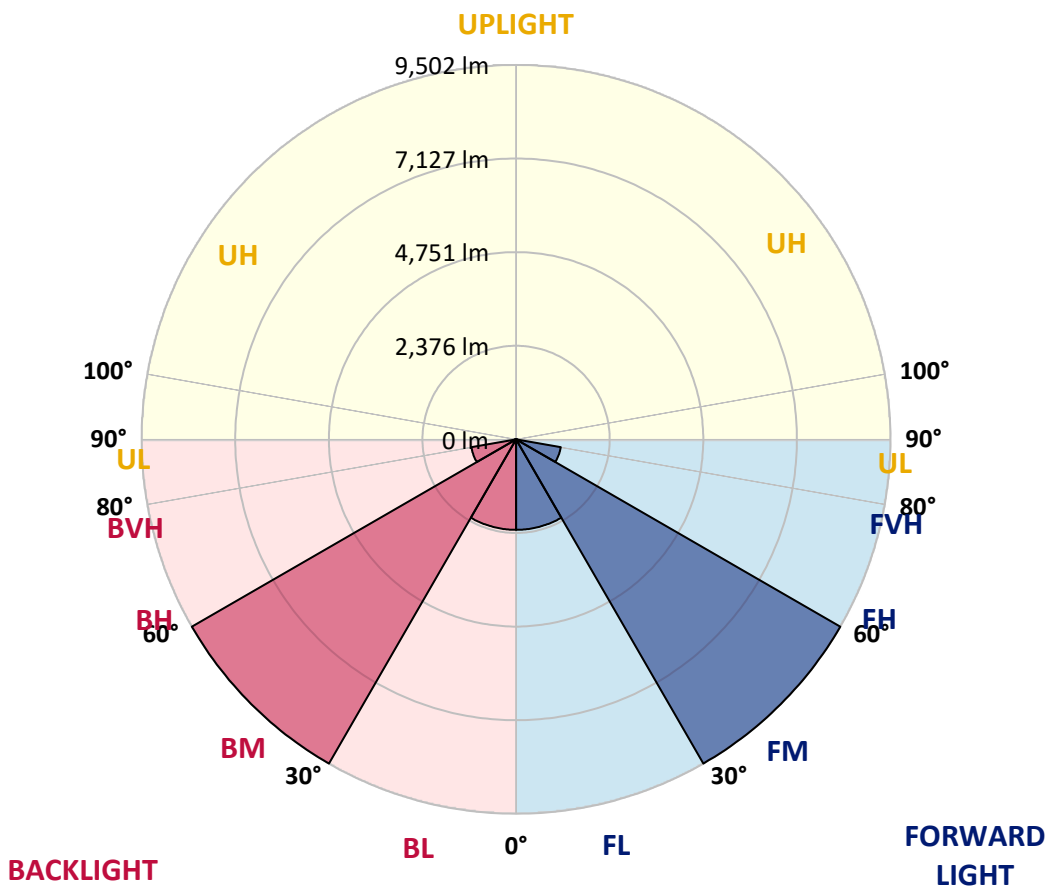
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 2295.9 | 8.8       |                         |      |         |
| FM (30°-60°)   | 9502.4 | 36.6      |                         |      |         |
| FH (60°-80°)   | 1151.7 | 4.4       |                         |      | G1/1800 |
| FVH (80°-90°)  | 35.2   | 0.1       |                         |      | G1/100  |
| BL (0°-30°)    | 2295.9 | 8.8       | B3/2500                 |      |         |
| BM (30°-60°)   | 9502.4 | 36.6      | B5                      |      |         |
| BH (60°-80°)   | 1151.7 | 4.4       | B3/2500                 |      | G1/1800 |
| BVH (80°-90°)  | 35.2   | 0.1       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B5-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°     | 35°     | 45°     | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|---------|---------|---------|--------|--------|--------|--------|--------|
| 0°    | 4672.1 | 4672.1 | 4672.1 | 4672.1  | 4672.1  | 4672.1  | 4672.1 | 4672.1 | 4672.1 | 4672.1 | 4672.1 |
| 2.5°  | 4661.9 | 4661.9 | 4670.1 | 4680.4  | 4682.4  | 4703.0  | 4698.8 | 4690.6 | 4686.5 | 4678.3 | 4696.8 |
| 5°    | 4713.2 | 4715.3 | 4721.4 | 4727.6  | 4723.5  | 4739.9  | 4733.8 | 4723.5 | 4717.3 | 4707.1 | 4725.5 |
| 7.5°  | 4781.0 | 4781.0 | 4787.2 | 4795.4  | 4791.3  | 4815.9  | 4803.6 | 4789.2 | 4778.9 | 4766.6 | 4783.0 |
| 10°   | 4842.6 | 4846.7 | 4852.9 | 4869.3  | 4877.5  | 4904.2  | 4896.0 | 4875.5 | 4859.0 | 4844.7 | 4863.1 |
| 12.5° | 4935.0 | 4939.1 | 4945.3 | 4967.9  | 4982.3  | 5008.9  | 4996.6 | 4967.9 | 4943.2 | 4922.7 | 4943.2 |
| 15°   | 5054.1 | 5050.0 | 5066.5 | 5095.2  | 5113.7  | 5138.3  | 5124.0 | 5074.7 | 5041.8 | 5015.1 | 5035.6 |
| 17.5° | 5175.3 | 5173.2 | 5189.7 | 5226.6  | 5253.3  | 5286.2  | 5261.6 | 5204.1 | 5169.1 | 5136.3 | 5156.8 |
| 20°   | 5306.7 | 5312.9 | 5329.3 | 5364.2  | 5403.3  | 5446.4  | 5425.8 | 5364.2 | 5325.2 | 5288.3 | 5304.7 |
| 22.5° | 5469.0 | 5471.0 | 5489.5 | 5534.7  | 5586.0  | 5627.1  | 5614.8 | 5538.8 | 5489.5 | 5450.5 | 5471.0 |
| 25°   | 5664.1 | 5662.0 | 5686.7 | 5740.1  | 5811.9  | 5853.0  | 5826.3 | 5742.1 | 5688.7 | 5643.5 | 5660.0 |
| 27.5° | 5887.9 | 5885.9 | 5922.8 | 5992.7  | 6095.4  | 6152.9  | 6097.4 | 5992.7 | 5918.7 | 5855.1 | 5869.4 |
| 30°   | 6169.3 | 6163.1 | 6204.2 | 6298.7  | 6432.2  | 6528.7  | 6446.5 | 6300.7 | 6204.2 | 6136.4 | 6150.8 |
| 32.5° | 6481.4 | 6489.7 | 6541.0 | 6668.3  | 6836.7  | 6962.0  | 6838.8 | 6676.5 | 6547.2 | 6448.6 | 6465.0 |
| 35°   | 6824.4 | 6824.4 | 6929.1 | 7087.3  | 7327.6  | 7493.9  | 7302.9 | 7068.8 | 6896.3 | 6760.7 | 6764.9 |
| 37.5° | 7206.4 | 7210.5 | 7348.1 | 7565.8  | 7880.0  | 8075.1  | 7816.3 | 7526.8 | 7317.3 | 7171.5 | 7163.3 |
| 40°   | 7672.6 | 7684.9 | 7826.6 | 8068.9  | 8422.2  | 8600.9  | 8323.6 | 8040.2 | 7826.6 | 7654.1 | 7637.7 |
| 42.5° | 8198.3 | 8202.4 | 8352.4 | 8570.0  | 8867.8  | 8974.6  | 8756.9 | 8524.9 | 8350.3 | 8194.2 | 8177.8 |
| 45°   | 8699.4 | 8689.2 | 8818.5 | 8980.8  | 9153.3  | 9163.6  | 9042.4 | 8947.9 | 8796.0 | 8662.5 | 8637.8 |
| 47.5° | 9089.6 | 9081.4 | 9198.5 | 9286.8  | 9307.3  | 9206.7  | 9245.7 | 9260.1 | 9083.5 | 8902.7 | 8855.5 |
| 50°   | 9327.9 | 9344.3 | 9455.2 | 9504.5  | 9383.3  | 9219.0  | 9366.9 | 9329.9 | 9077.3 | 8841.1 | 8765.1 |
| 52.5° | 9471.6 | 9496.3 | 9689.3 | 9814.6  | 9689.3  | 9533.2  | 9553.8 | 9336.1 | 8972.6 | 8660.4 | 8561.8 |
| 55°   | 9108.1 | 9206.7 | 9623.6 | 10178.1 | 10383.5 | 10274.6 | 9884.4 | 9323.8 | 8650.1 | 8196.3 | 8112.1 |
| 57.5° | 6750.5 | 6906.6 | 7524.7 | 8726.1  | 9974.8  | 10371.1 | 9231.3 | 7816.3 | 6795.7 | 6212.4 | 6163.1 |
| 60°   | 3446.1 | 3620.7 | 4115.6 | 5349.9  | 6955.8  | 7514.5  | 6430.1 | 5004.8 | 3978.0 | 3505.6 | 3452.3 |
| 62.5° | 1406.8 | 1435.5 | 1597.8 | 2074.2  | 3074.4  | 3546.7  | 3115.4 | 2187.2 | 1643.0 | 1513.6 | 1515.6 |
| 65°   | 1106.9 | 1113.1 | 1104.9 | 1133.6  | 1287.7  | 1429.4  | 1320.5 | 1160.3 | 1131.6 | 1146.0 | 1135.7 |
| 67.5° | 965.2  | 967.3  | 961.1  | 961.1   | 967.3   | 961.1   | 973.4  | 979.6  | 983.7  | 1000.1 | 989.9  |
| 70°   | 807.1  | 809.2  | 809.2  | 813.3   | 811.2   | 800.9   | 819.4  | 827.6  | 829.7  | 840.0  | 833.8  |
| 72.5° | 624.3  | 630.5  | 634.6  | 636.6   | 634.6   | 628.4   | 638.7  | 653.1  | 651.0  | 661.3  | 651.0  |
| 75°   | 423.1  | 431.3  | 435.4  | 443.6   | 441.5   | 441.5   | 453.9  | 460.0  | 453.9  | 462.1  | 453.9  |
| 77.5° | 240.3  | 246.4  | 258.8  | 267.0   | 275.2   | 281.4   | 289.6  | 293.7  | 291.6  | 295.7  | 291.6  |
| 80°   | 139.7  | 141.7  | 152.0  | 156.1   | 166.3   | 176.6   | 184.8  | 188.9  | 191.0  | 193.0  | 191.0  |
| 82.5° | 80.1   | 82.1   | 86.3   | 90.4    | 98.6    | 106.8   | 115.0  | 121.2  | 121.2  | 123.2  | 121.2  |
| 85°   | 39.0   | 39.0   | 41.1   | 43.1    | 47.2    | 53.4    | 59.6   | 65.7   | 67.8   | 67.8   | 67.8   |
| 87.5° | 6.2    | 6.2    | 8.2    | 8.2     | 10.3    | 12.3    | 16.4   | 20.5   | 22.6   | 22.6   | 22.6   |
| 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)