

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: P532728

Luminaire Tested: **GALN-SA8A-760-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532728  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA8A-760-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32358 lumens  
Efficiency: N/A  
Efficacy: 132.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

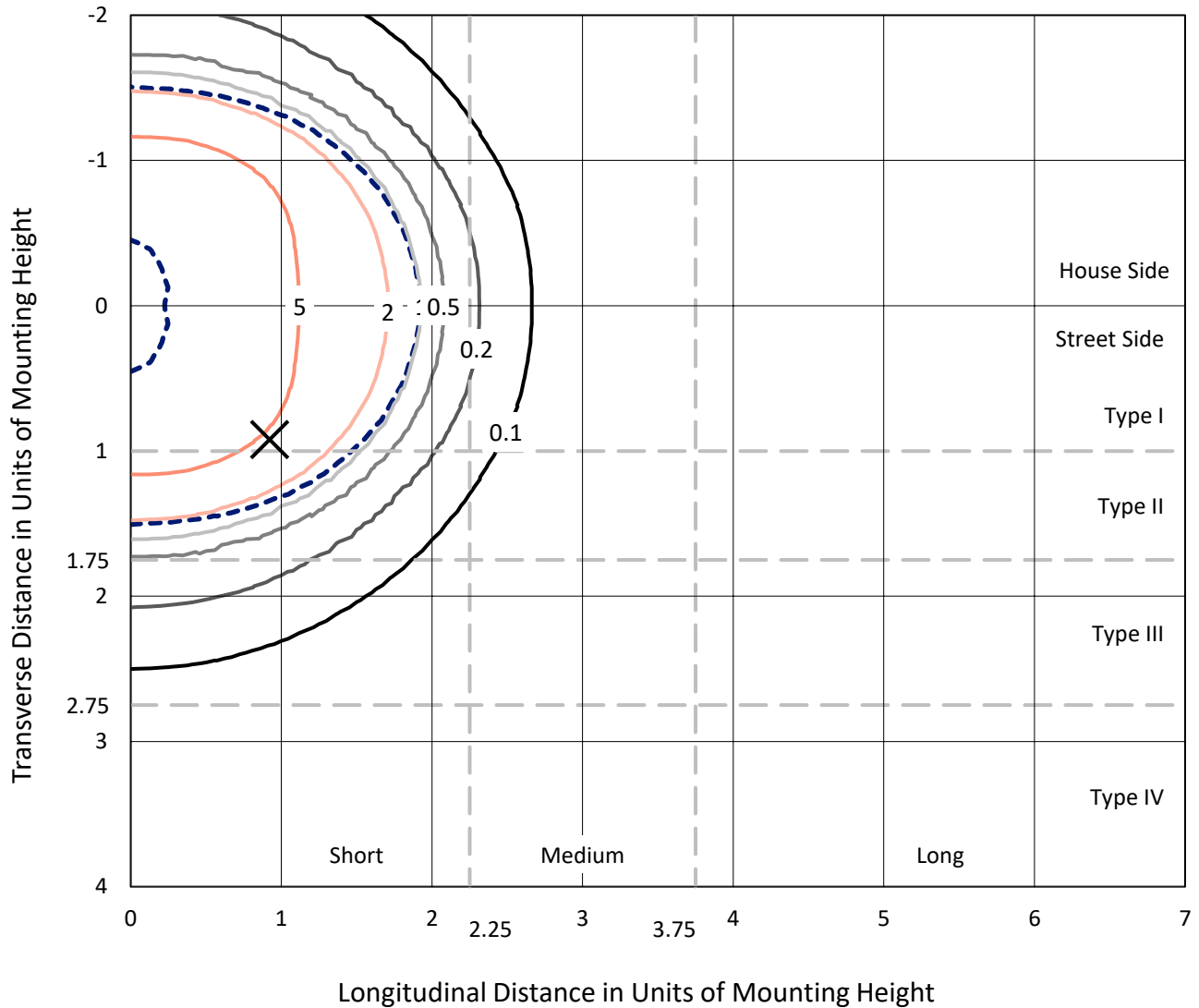
Input Watts (W): 244  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

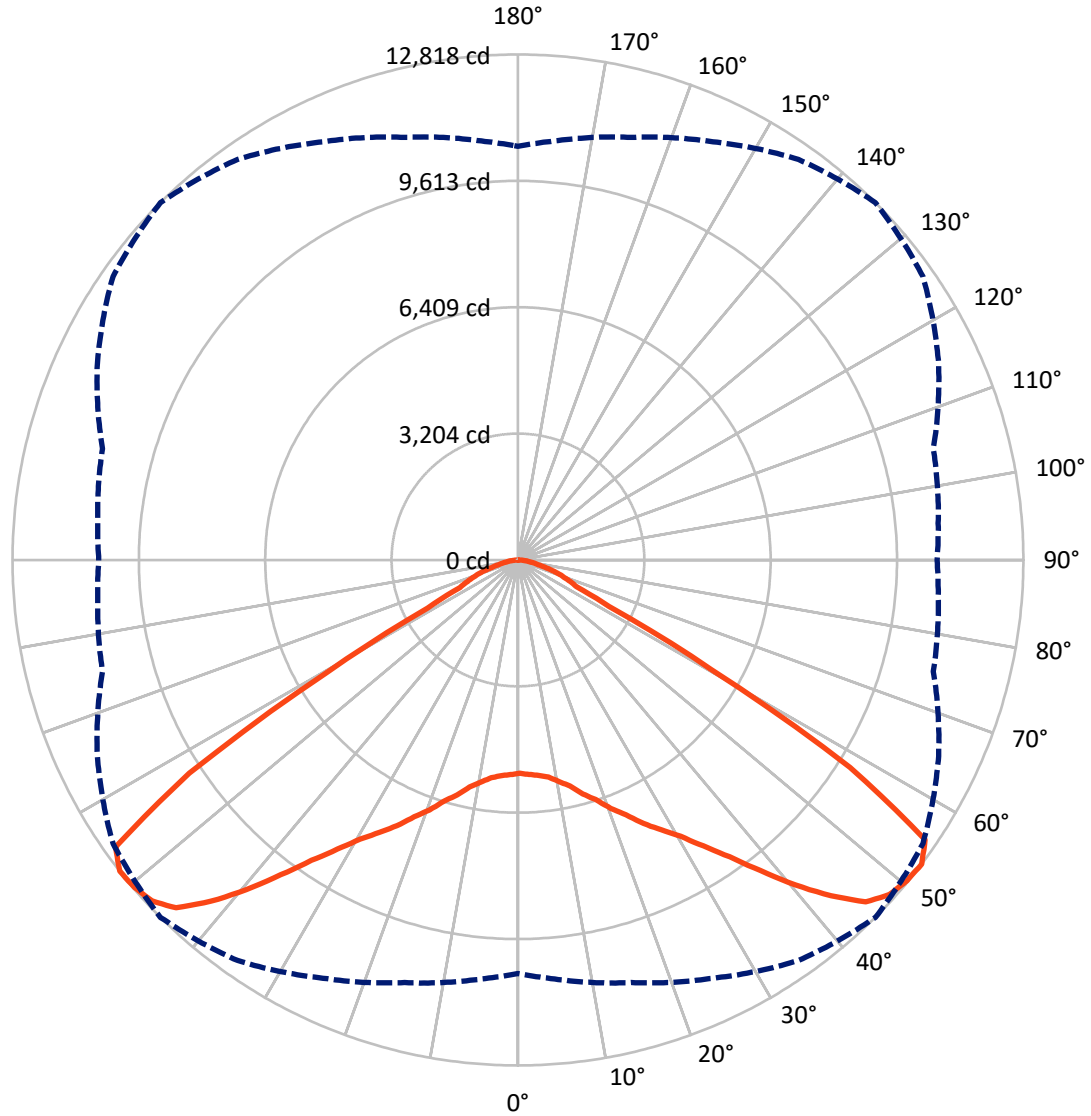
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 52.5-Deg Vertical

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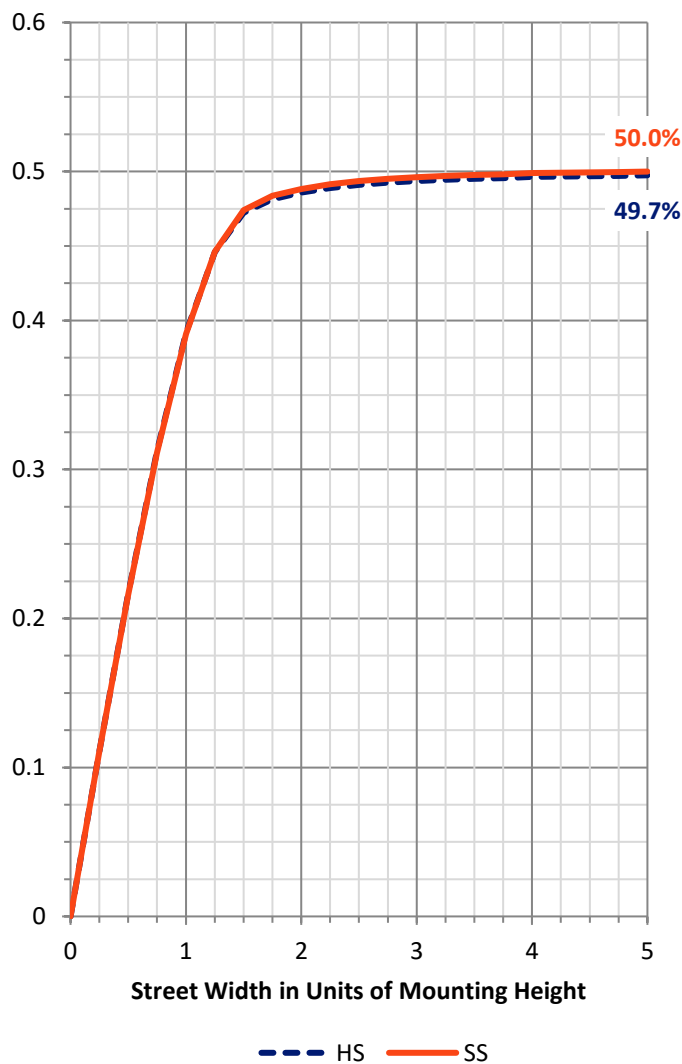
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 16179.0  | 0.0    | 16179.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 16179.0  | 0.0    | 16179.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 32358.0  | 0.0    | 32358.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 531.4   | 1.6       |
| 10°-20°   | 1746.2  | 5.4       |
| 20°-30°   | 3324.6  | 10.3      |
| 30°-40°   | 5708.5  | 17.6      |
| 40°-50°   | 8774.2  | 27.1      |
| 50°-60°   | 8910.0  | 27.5      |
| 60°-70°   | 2483.1  | 7.7       |
| 70°-80°   | 732.5   | 2.3       |
| 80°-90°   | 147.5   | 0.5       |
| 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°    | 32358.0 | 100.0     |
| 0°-180°   | 32358.0 | 100.0     |

**Coefficient of Utilization**



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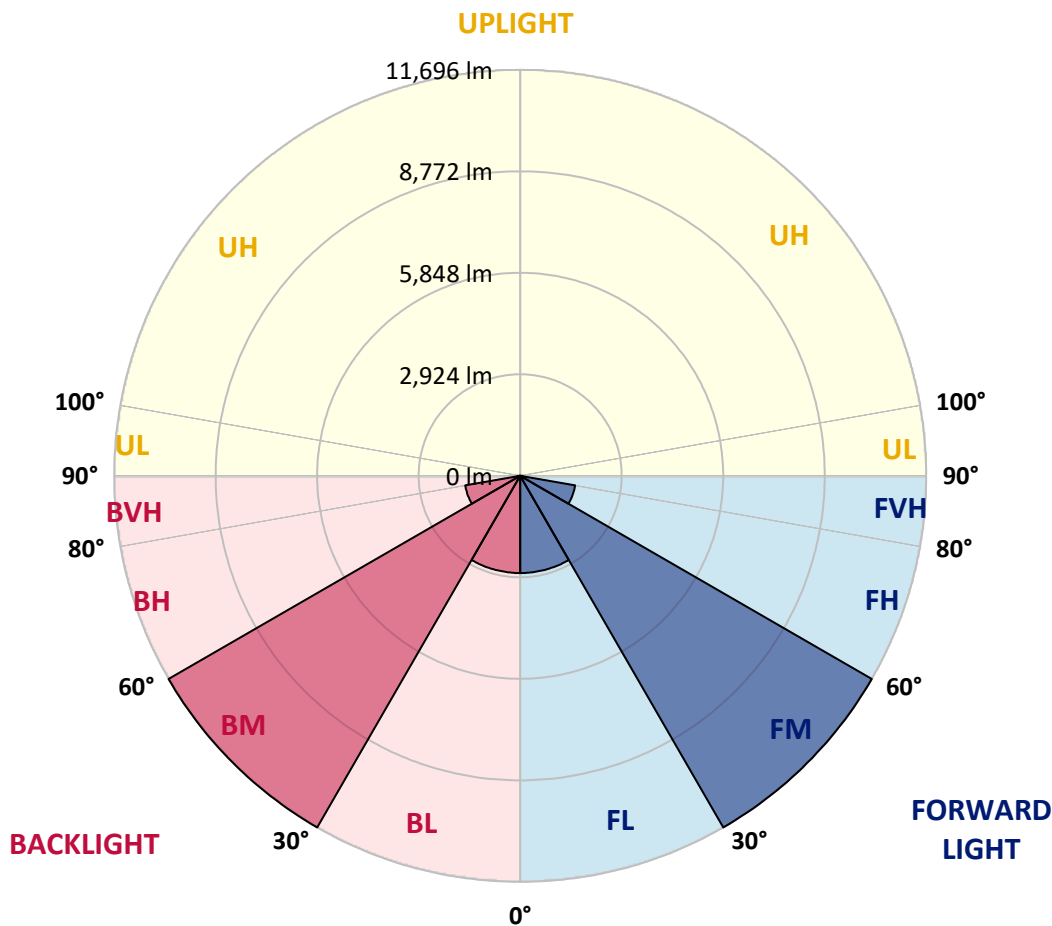
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|---------|-----------|-------------------------|------|---------|
|                |         |           | B                       | U    | G       |
| FL (0°-30°)    | 2801.1  | 8.7       |                         |      |         |
| FM (30°-60°)   | 11696.3 | 36.1      |                         |      |         |
| FH (60°-80°)   | 1607.8  | 5.0       |                         |      | G1/1800 |
| FVH (80°-90°)  | 73.8    | 0.2       |                         |      | G1/100  |
| BL (0°-30°)    | 2801.1  | 8.7       | B4/5000                 |      |         |
| BM (30°-60°)   | 11696.3 | 36.1      | B5                      |      |         |
| BH (60°-80°)   | 1607.8  | 5.0       | B3/2500                 |      | G1/1800 |
| BVH (80°-90°)  | 73.8    | 0.2       |                         |      | 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°    | 5409.1  | 5409.1  | 5409.1  | 5409.1  | 5409.1  | 5409.1  | 5409.1  | 5409.1  | 5409.1  | 5409.1  | 5409.1  |
| 2.5°  | 5421.1  | 5364.9  | 5385.0  | 5397.0  | 5449.2  | 5445.2  | 5433.2  | 5449.2  | 5465.3  | 5469.3  | 5461.3  |
| 5°    | 5417.1  | 5376.9  | 5393.0  | 5405.1  | 5457.3  | 5485.4  | 5477.3  | 5545.6  | 5593.8  | 5581.7  | 5642.0  |
| 7.5°  | 5385.0  | 5409.1  | 5389.0  | 5449.2  | 5493.4  | 5561.7  | 5633.9  | 5698.2  | 5758.4  | 5826.7  | 5838.7  |
| 10°   | 5457.3  | 5457.3  | 5493.4  | 5541.6  | 5658.0  | 5710.2  | 5814.6  | 5907.0  | 6023.5  | 6103.8  | 6071.6  |
| 12.5° | 5533.6  | 5545.6  | 5545.6  | 5670.1  | 5766.5  | 5882.9  | 5979.3  | 6103.8  | 6268.4  | 6364.8  | 6413.0  |
| 15°   | 5609.8  | 5617.9  | 5658.0  | 5826.7  | 5971.3  | 6156.0  | 6244.3  | 6356.8  | 6449.1  | 6629.8  | 6633.8  |
| 17.5° | 5678.1  | 5722.3  | 5842.8  | 6031.5  | 6212.2  | 6388.9  | 6529.4  | 6645.9  | 6726.2  | 6798.5  | 6782.4  |
| 20°   | 5935.1  | 5967.2  | 6091.7  | 6280.5  | 6549.5  | 6722.2  | 6770.4  | 6790.4  | 6842.6  | 6987.2  | 6943.0  |
| 22.5° | 6184.1  | 6196.1  | 6312.6  | 6601.7  | 6790.4  | 7019.3  | 7071.5  | 7059.5  | 7079.6  | 7115.7  | 7180.0  |
| 25°   | 6441.1  | 6461.2  | 6621.8  | 6866.7  | 7131.8  | 7404.8  | 7449.0  | 7356.7  | 7328.5  | 7368.7  | 7372.7  |
| 27.5° | 6770.4  | 6774.4  | 6979.2  | 7192.0  | 7493.2  | 7750.2  | 7818.4  | 7746.2  | 7613.7  | 7645.8  | 7698.0  |
| 30°   | 7188.0  | 7159.9  | 7364.7  | 7669.9  | 7987.1  | 8131.7  | 8248.1  | 8212.0  | 8067.4  | 8039.3  | 7995.1  |
| 32.5° | 7669.9  | 7677.9  | 7862.6  | 8195.9  | 8404.7  | 8645.7  | 8770.2  | 8709.9  | 8617.6  | 8569.4  | 8597.5  |
| 35°   | 8348.5  | 8384.7  | 8509.1  | 8786.2  | 9123.5  | 9244.0  | 9440.8  | 9312.3  | 9071.3  | 9131.6  | 9183.8  |
| 37.5° | 8906.7  | 9011.1  | 9244.0  | 9573.3  | 9774.1  | 9994.9  | 10067.2 | 9894.5  | 9717.8  | 9645.6  | 9818.2  |
| 40°   | 9762.0  | 9729.9  | 9986.9  | 10316.2 | 10613.3 | 10834.2 | 10741.8 | 10569.2 | 10131.5 | 10135.5 | 10183.7 |
| 42.5° | 10496.9 | 10512.9 | 10709.7 | 11103.2 | 11508.8 | 11645.4 | 11352.2 | 10930.6 | 10444.7 | 10392.5 | 10496.9 |
| 45°   | 11115.3 | 11179.5 | 11292.0 | 11818.0 | 12215.6 | 12364.2 | 11822.0 | 11324.1 | 10673.6 | 10456.7 | 10629.4 |
| 47.5° | 11336.1 | 11440.6 | 11685.5 | 12167.4 | 12560.9 | 12681.4 | 12247.7 | 11532.9 | 10886.4 | 10533.0 | 10625.4 |
| 50°   | 11368.3 | 11332.1 | 11733.7 | 12175.4 | 12520.8 | 12781.8 | 12400.3 | 11685.5 | 10834.2 | 10649.5 | 10621.4 |
| 52.5° | 10488.8 | 10665.5 | 11095.2 | 11701.6 | 12400.3 | 12817.9 | 12536.8 | 11769.8 | 10906.5 | 10697.7 | 10629.4 |
| 55°   | 8489.1  | 8280.2  | 9063.3  | 10083.3 | 11368.3 | 12528.8 | 12488.6 | 11814.0 | 10950.6 | 10778.0 | 10685.6 |
| 57.5° | 4738.5  | 4798.7  | 5240.4  | 6348.7  | 8007.2  | 9934.7  | 11103.2 | 11348.2 | 10930.6 | 10830.2 | 10878.4 |
| 60°   | 2192.5  | 2212.6  | 2401.4  | 2919.4  | 3947.4  | 5633.9  | 7171.9  | 8734.0  | 9452.8  | 9597.4  | 9597.4  |
| 62.5° | 1634.4  | 1626.3  | 1674.5  | 1766.9  | 1983.7  | 2590.1  | 3457.5  | 4698.3  | 5686.1  | 6376.8  | 6557.5  |
| 65°   | 1477.8  | 1473.7  | 1497.8  | 1530.0  | 1546.0  | 1630.3  | 1823.1  | 2204.6  | 2525.8  | 2710.6  | 2678.4  |
| 67.5° | 1293.0  | 1289.0  | 1297.1  | 1317.1  | 1345.2  | 1389.4  | 1437.6  | 1517.9  | 1630.3  | 1622.3  | 1602.2  |
| 70°   | 1044.1  | 1044.1  | 1056.1  | 1072.2  | 1104.3  | 1156.5  | 1212.7  | 1268.9  | 1365.3  | 1385.4  | 1381.4  |
| 72.5° | 771.0   | 759.0   | 783.0   | 815.2   | 847.3   | 911.6   | 971.8   | 1024.0  | 1092.3  | 1112.3  | 1104.3  |
| 75°   | 489.9   | 497.9   | 514.0   | 550.1   | 606.4   | 650.5   | 714.8   | 759.0   | 803.1   | 819.2   | 823.2   |
| 77.5° | 273.1   | 281.1   | 309.2   | 353.4   | 409.6   | 457.8   | 514.0   | 550.1   | 578.3   | 582.3   | 586.3   |
| 80°   | 164.6   | 168.7   | 196.8   | 236.9   | 285.1   | 337.3   | 381.5   | 417.6   | 441.7   | 429.7   | 425.7   |
| 82.5° | 100.4   | 104.4   | 128.5   | 164.6   | 204.8   | 245.0   | 293.1   | 325.3   | 349.4   | 333.3   | 317.2   |
| 85°   | 52.2    | 56.2    | 76.3    | 100.4   | 132.5   | 152.6   | 152.6   | 136.5   | 132.5   | 124.5   | 120.5   |
| 87.5° | 16.1    | 16.1    | 20.1    | 24.1    | 20.1    | 24.1    | 28.1    | 32.1    | 32.1    | 36.1    | 32.1    |
| 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)