

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: P157443

Luminaire Tested: **VTS-F03-LED-E1-5WQ-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P157443  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33709)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: VTS-F03-LED-E1-5WQ-8030  
Description: VENTUS LED SITE LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE  
Light Source: (21) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

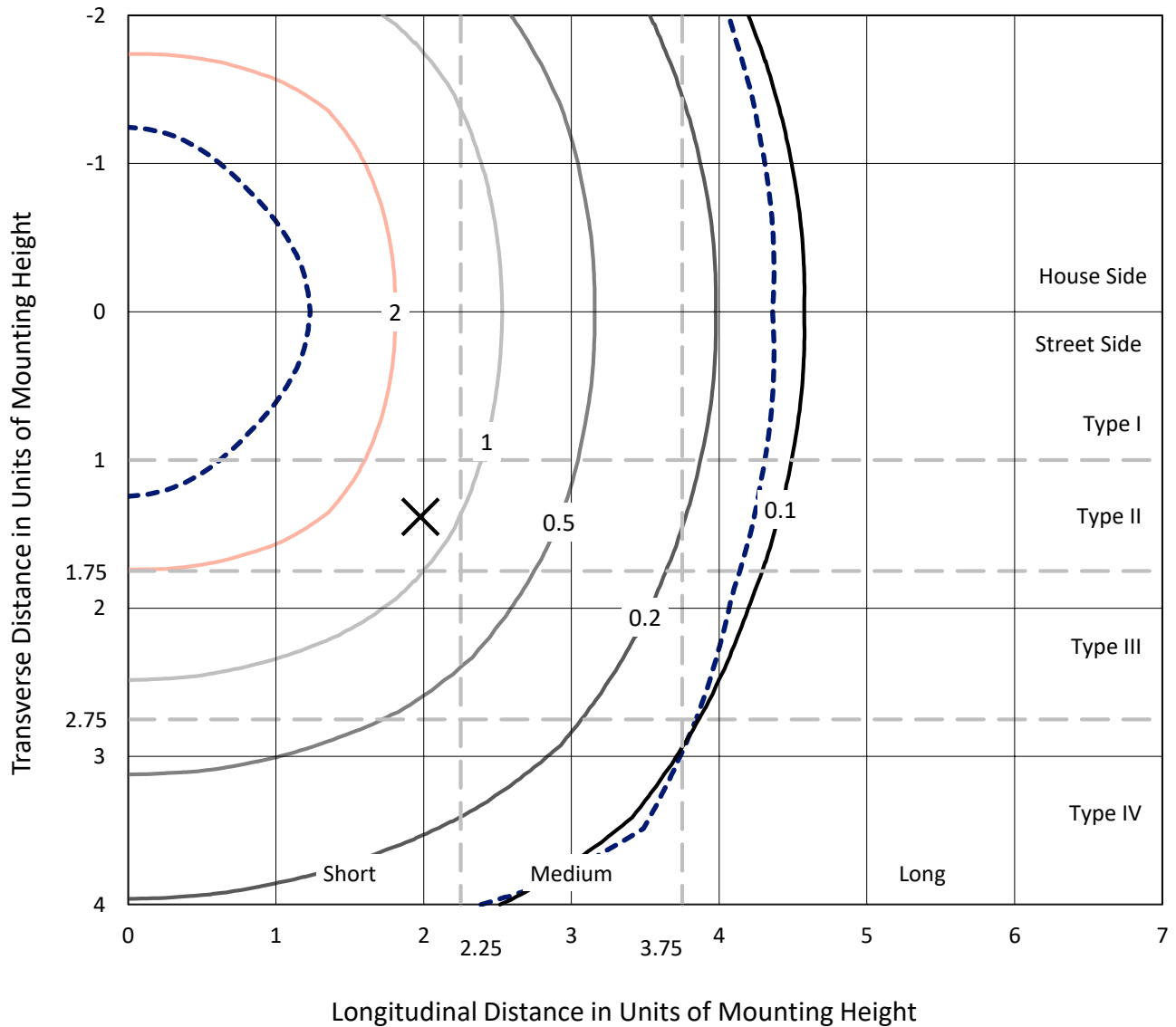
Lumens per Lamp: N/A  
Luminaire Lumens: 6599.8 lumens  
Efficiency: N/A  
Efficacy: 84.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short - Semi-Cutoff  
BUG Rating: B3 - U0 - G1

Input Watts (W): 78.3  
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: 25 FT

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### Iso-Footcandle Lines of Horizontal Illumination

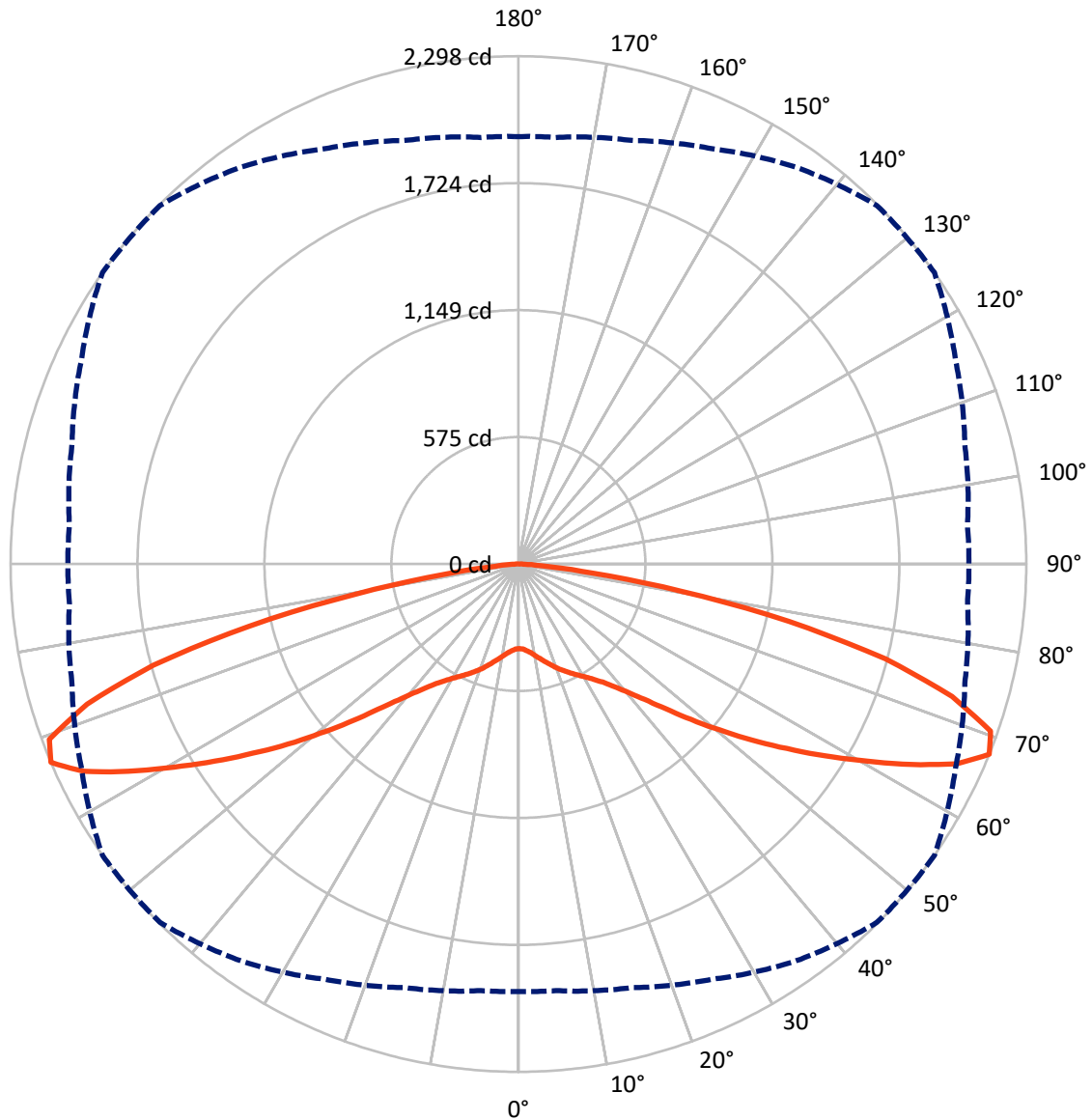
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.2 fc  
 Type V - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 3299.9   | 0.0    | 3299.9 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 3299.9   | 0.0    | 3299.9 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 6599.8   | 0.0    | 6599.8 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 38.4   | 0.6       |
| 10°-20°   | 131.3  | 2.0       |
| 20°-30°   | 252.5  | 3.8       |
| 30°-40°   | 413.6  | 6.3       |
| 40°-50°   | 719.1  | 10.9      |
| 50°-60°   | 1283.5 | 19.4      |
| 60°-70°   | 1981.6 | 30.0      |
| 70°-80°   | 1604.1 | 24.3      |
| 80°-90°   | 175.7  | 2.7       |
| 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°    | 6599.8 | 100.0     |
| 0°-180°   | 6599.8 | 100.0     |



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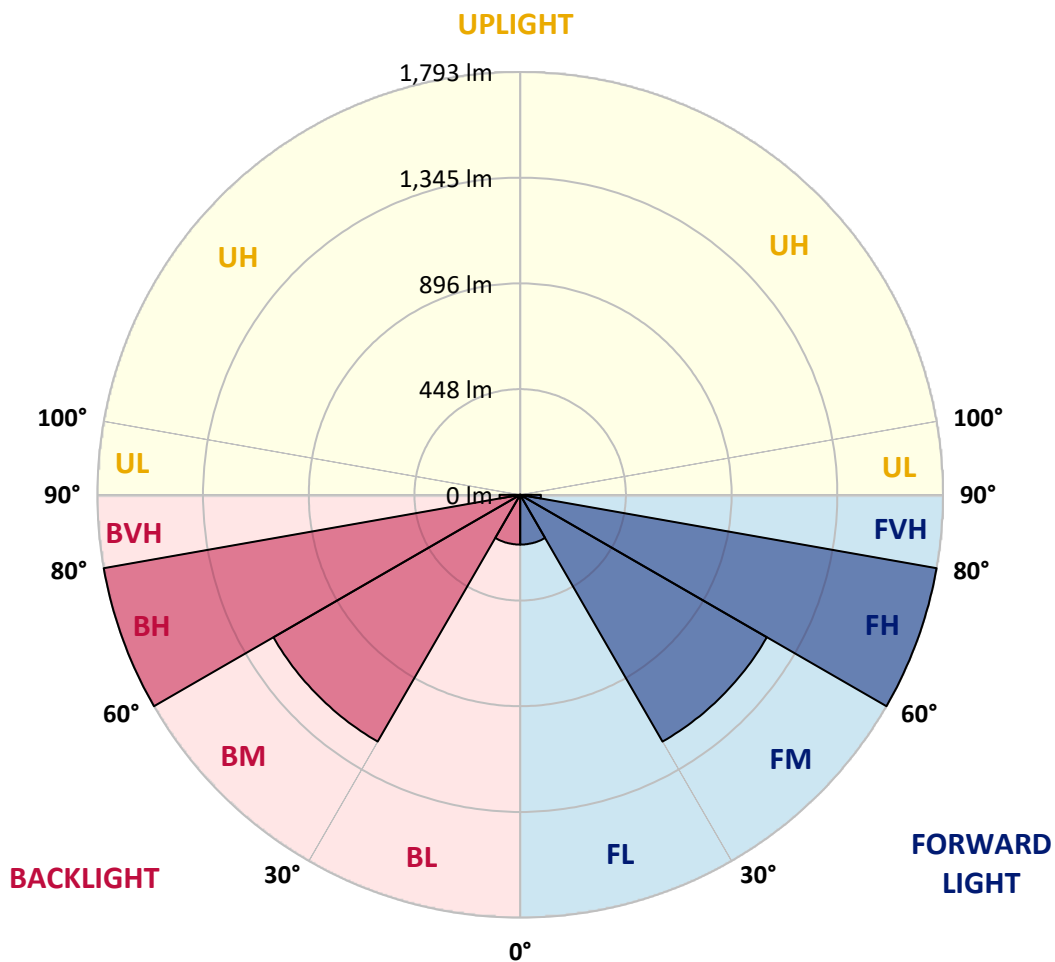
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 211.1  | 3.2       |                         |      |         |
| FM   | (30°-60°)   | 1208.1 | 18.3      |                         |      |         |
| FH   | (60°-80°)   | 1792.9 | 27.2      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 87.9   | 1.3       |                         |      | G1/100  |
| BL   | (0°-30°)    | 211.1  | 3.2       | B1/500                  |      |         |
| BM   | (30°-60°)   | 1208.1 | 18.3      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1792.9 | 27.2      | B3/2500                 |      | G1/1800 |
| BVH  | (80°-90°)   | 87.9   | 1.3       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 382.9  | 382.9  | 382.9  | 382.9  | 382.9  | 382.9  | 382.9  | 382.9  | 382.9  | 382.9  | 382.9  |
| 2.5°  | 385.4  | 385.9  | 385.4  | 385.4  | 385.0  | 385.0  | 385.0  | 385.4  | 385.4  | 386.3  | 385.9  |
| 5°    | 393.4  | 393.8  | 393.0  | 393.8  | 393.8  | 394.2  | 393.8  | 393.4  | 393.8  | 394.2  | 393.0  |
| 7.5°  | 404.7  | 405.5  | 405.1  | 405.5  | 405.9  | 405.5  | 405.5  | 405.1  | 405.9  | 405.5  | 404.7  |
| 10°   | 419.3  | 420.1  | 419.7  | 420.5  | 421.0  | 421.4  | 421.4  | 420.5  | 420.1  | 420.1  | 419.7  |
| 12.5° | 436.9  | 436.9  | 436.9  | 438.1  | 438.9  | 439.8  | 439.4  | 438.5  | 437.3  | 437.7  | 436.0  |
| 15°   | 456.1  | 456.9  | 456.9  | 457.3  | 459.4  | 459.8  | 459.4  | 458.2  | 457.8  | 456.9  | 456.1  |
| 17.5° | 477.4  | 477.8  | 478.2  | 478.7  | 481.2  | 482.4  | 480.7  | 478.7  | 478.7  | 478.2  | 478.2  |
| 20°   | 499.6  | 499.1  | 500.0  | 500.8  | 502.5  | 503.7  | 503.3  | 501.2  | 499.6  | 500.8  | 500.4  |
| 22.5° | 520.0  | 520.5  | 520.9  | 522.1  | 525.1  | 525.5  | 524.2  | 522.6  | 520.5  | 520.9  | 520.9  |
| 25°   | 539.3  | 539.7  | 540.5  | 542.2  | 545.5  | 547.6  | 546.0  | 543.5  | 540.5  | 540.5  | 540.9  |
| 27.5° | 558.9  | 559.3  | 559.8  | 562.7  | 566.9  | 569.4  | 568.1  | 563.9  | 560.6  | 559.8  | 558.5  |
| 30°   | 580.7  | 580.7  | 581.5  | 585.3  | 590.7  | 593.6  | 591.9  | 586.9  | 581.9  | 581.1  | 581.1  |
| 32.5° | 608.3  | 606.6  | 607.8  | 612.8  | 618.7  | 622.0  | 620.8  | 614.9  | 608.7  | 607.4  | 607.4  |
| 35°   | 641.3  | 640.4  | 641.3  | 647.1  | 654.2  | 659.3  | 656.3  | 650.9  | 644.2  | 642.9  | 642.1  |
| 37.5° | 680.6  | 681.0  | 683.5  | 690.2  | 699.8  | 706.1  | 703.1  | 694.4  | 686.4  | 686.4  | 686.4  |
| 40°   | 730.3  | 731.2  | 736.2  | 746.2  | 760.0  | 765.4  | 762.1  | 751.2  | 742.0  | 738.7  | 739.5  |
| 42.5° | 798.0  | 797.6  | 805.6  | 818.1  | 834.4  | 842.4  | 836.9  | 825.2  | 811.8  | 806.4  | 806.8  |
| 45°   | 877.9  | 883.7  | 892.1  | 908.0  | 928.5  | 942.3  | 932.7  | 919.7  | 899.6  | 891.7  | 891.3  |
| 47.5° | 974.5  | 980.7  | 991.2  | 1017.5 | 1042.2 | 1058.9 | 1051.4 | 1030.1 | 1001.2 | 989.9  | 985.7  |
| 50°   | 1084.4 | 1092.3 | 1105.7 | 1139.6 | 1174.7 | 1193.5 | 1180.1 | 1152.1 | 1121.2 | 1104.0 | 1099.9 |
| 52.5° | 1208.1 | 1210.6 | 1230.7 | 1271.7 | 1315.2 | 1338.2 | 1323.1 | 1289.7 | 1249.9 | 1234.1 | 1222.4 |
| 55°   | 1345.3 | 1347.3 | 1370.3 | 1416.7 | 1466.1 | 1493.2 | 1474.0 | 1431.8 | 1395.0 | 1367.4 | 1369.9 |
| 57.5° | 1472.3 | 1478.6 | 1512.5 | 1566.8 | 1624.9 | 1658.0 | 1637.0 | 1592.3 | 1553.9 | 1522.5 | 1526.3 |
| 60°   | 1608.2 | 1614.9 | 1650.4 | 1715.2 | 1793.8 | 1837.7 | 1810.5 | 1762.5 | 1722.7 | 1693.1 | 1689.3 |
| 62.5° | 1752.4 | 1756.2 | 1795.1 | 1853.2 | 1953.5 | 2024.2 | 1998.2 | 1945.1 | 1898.7 | 1869.5 | 1866.6 |
| 65°   | 1885.8 | 1890.8 | 1923.8 | 1987.4 | 2090.6 | 2193.9 | 2179.2 | 2105.7 | 2043.0 | 2000.7 | 1994.9 |
| 67.5° | 1934.3 | 1937.6 | 1984.0 | 2073.1 | 2191.8 | 2293.8 | 2298.0 | 2182.2 | 2091.0 | 2039.6 | 2038.4 |
| 70°   | 1877.4 | 1879.9 | 1939.3 | 2045.1 | 2196.4 | 2281.3 | 2266.2 | 2150.0 | 2038.0 | 1974.8 | 1968.6 |
| 72.5° | 1749.9 | 1750.3 | 1804.7 | 1894.6 | 2046.3 | 2115.7 | 2051.7 | 1987.8 | 1872.0 | 1824.8 | 1812.2 |
| 75°   | 1517.9 | 1518.3 | 1555.9 | 1615.7 | 1724.0 | 1788.0 | 1715.2 | 1656.7 | 1588.6 | 1560.5 | 1545.9 |
| 77.5° | 1043.8 | 1050.1 | 1089.0 | 1158.0 | 1276.7 | 1347.3 | 1252.0 | 1145.9 | 1104.5 | 1080.6 | 1066.4 |
| 80°   | 502.5  | 512.1  | 556.8  | 625.0  | 749.1  | 862.0  | 744.5  | 613.7  | 533.0  | 467.4  | 479.1  |
| 82.5° | 134.2  | 135.9  | 174.3  | 250.4  | 349.1  | 409.7  | 332.8  | 232.8  | 146.7  | 98.7   | 90.3   |
| 85°   | 35.5   | 37.6   | 52.7   | 72.3   | 109.9  | 140.0  | 107.0  | 68.1   | 51.8   | 38.5   | 35.1   |
| 87.5° | 9.6    | 11.3   | 18.4   | 22.2   | 27.6   | 22.2   | 27.6   | 23.8   | 23.0   | 12.1   | 8.8    |
| 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)