

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: STREETWORKS

Report Number: P533039

Luminaire Tested: **GLAN-SA8C-722-U-RW-GRSBK**

Issue Date: 5/27/2021

### Test Information

Test Method: LM-79-08  
Report Number: P533039  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA8C-722-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 2200K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 26970 lumens  
Efficiency: N/A  
Efficacy: 62.9 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): 429  
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



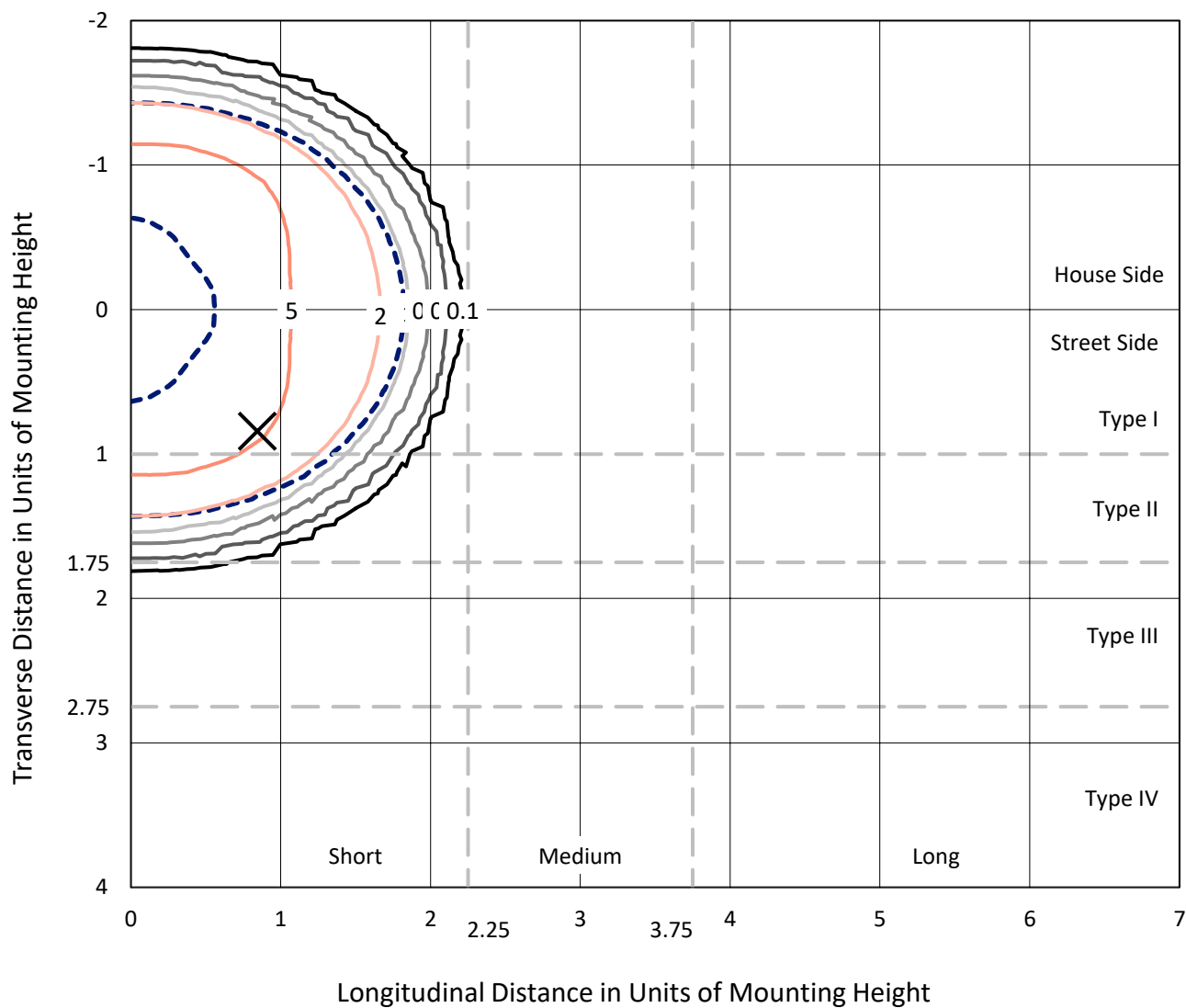
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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

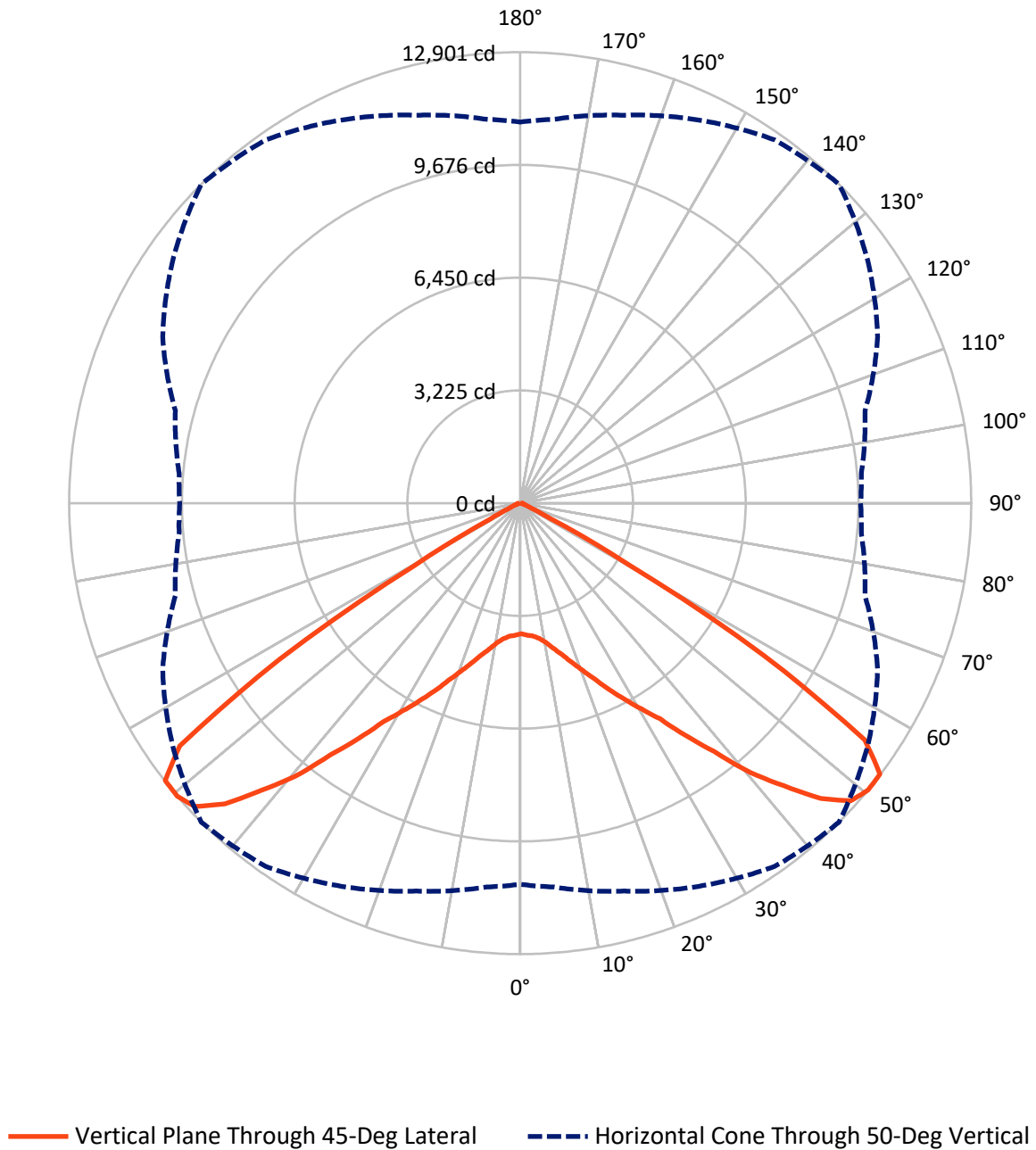


Based on 25 foot mounting height. Maximum calculated value = 7.2 fc  
 Type V - Short - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 13485.0  | 0.0    | 13485.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 13485.0  | 0.0    | 13485.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 26970.0  | 0.0    | 26970.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 372.0   | 1.4       |
| 10°-20°   | 1282.1  | 4.8       |
| 20°-30°   | 2618.5  | 9.7       |
| 30°-40°   | 4993.4  | 18.5      |
| 40°-50°   | 8414.7  | 31.2      |
| 50°-60°   | 8024.9  | 29.8      |
| 60°-70°   | 1120.2  | 4.2       |
| 70°-80°   | 107.1   | 0.4       |
| 80°-90°   | 37.0    | 0.1       |
| 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°    | 26970.0 | 100.0     |
| 0°-180°   | 26970.0 | 100.0     |

**Coefficient of Utilization**



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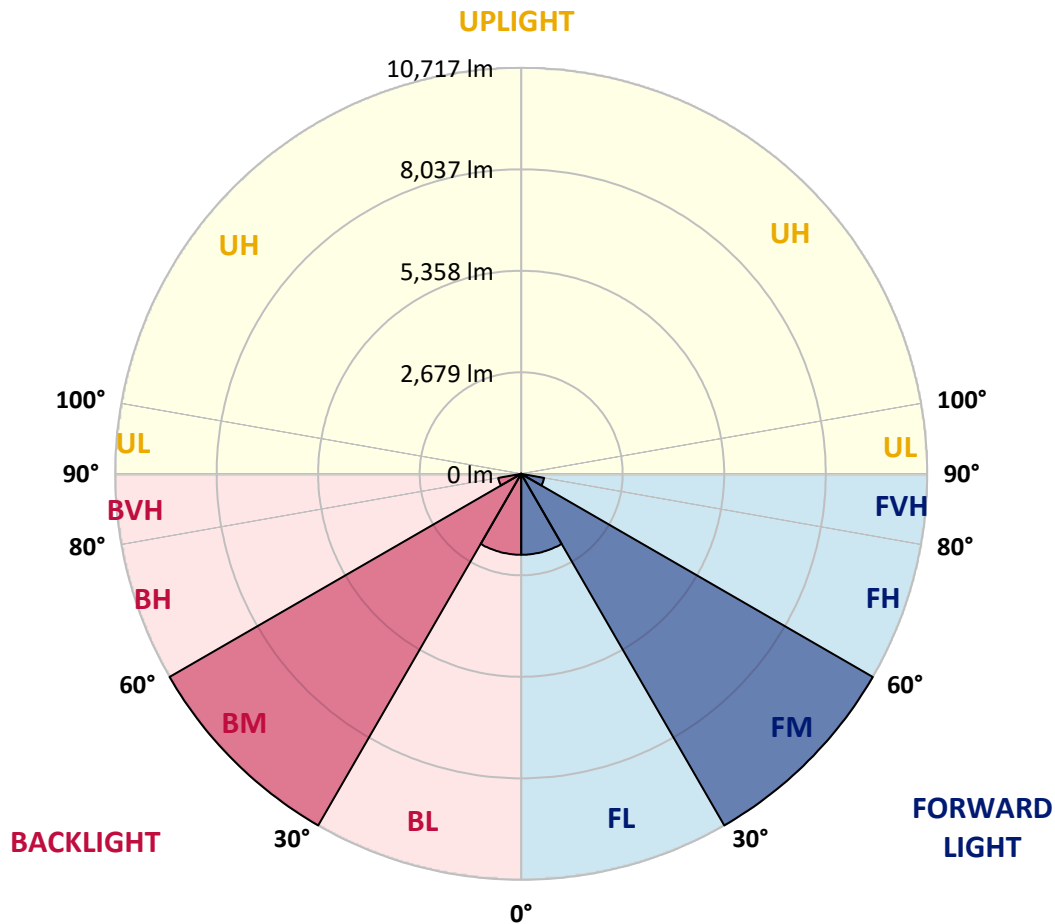
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|---------|-----------|-------------------------|------|--------|
|      |             |         |           | B                       | U    | G      |
| FL   | (0°-30°)    | 2136.3  | 7.9       |                         |      |        |
| FM   | (30°-60°)   | 10716.5 | 39.7      |                         |      |        |
| FH   | (60°-80°)   | 613.7   | 2.3       |                         |      | G0/660 |
| FVH  | (80°-90°)   | 18.5    | 0.1       |                         |      | G1/100 |
| BL   | (0°-30°)    | 2136.3  | 7.9       | B3/2500                 |      |        |
| BM   | (30°-60°)   | 10716.5 | 39.7      | B5                      |      |        |
| BH   | (60°-80°)   | 613.7   | 2.3       | B2/1000                 |      | G0/660 |
| BVH  | (80°-90°)   | 18.5    | 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°    | 3739.1  | 3739.1  | 3739.1  | 3739.1  | 3739.1  | 3739.1  | 3739.1  | 3739.1  | 3739.1  | 3739.1  | 3739.1  |
| 2.5°  | 3725.5  | 3725.5  | 3720.9  | 3757.2  | 3739.1  | 3779.9  | 3775.4  | 3789.0  | 3802.6  | 3798.1  | 3834.4  |
| 5°    | 3693.7  | 3689.2  | 3689.2  | 3730.0  | 3770.9  | 3816.2  | 3857.1  | 3884.3  | 3929.7  | 3929.7  | 3975.1  |
| 7.5°  | 3725.5  | 3702.8  | 3734.6  | 3752.7  | 3829.8  | 3907.0  | 3975.1  | 4029.5  | 4133.9  | 4170.2  | 4156.6  |
| 10°   | 3734.6  | 3761.8  | 3784.5  | 3838.9  | 3934.2  | 4052.2  | 4111.2  | 4247.3  | 4365.3  | 4447.0  | 4465.1  |
| 12.5° | 3793.5  | 3834.4  | 3897.9  | 4029.5  | 4115.7  | 4270.0  | 4351.7  | 4483.3  | 4646.6  | 4737.4  | 4800.9  |
| 15°   | 3907.0  | 3920.6  | 4002.3  | 4170.2  | 4356.2  | 4496.9  | 4624.0  | 4719.2  | 4878.1  | 4982.4  | 4987.0  |
| 17.5° | 4052.2  | 4111.2  | 4224.6  | 4383.5  | 4578.6  | 4787.3  | 4887.1  | 4991.5  | 5050.5  | 5191.2  | 5222.9  |
| 20°   | 4342.6  | 4351.7  | 4460.6  | 4669.3  | 4914.4  | 5105.0  | 5177.6  | 5232.0  | 5209.3  | 5354.5  | 5381.8  |
| 22.5° | 4614.9  | 4624.0  | 4760.1  | 5041.4  | 5304.6  | 5468.0  | 5499.7  | 5468.0  | 5399.9  | 5504.3  | 5513.3  |
| 25°   | 4891.7  | 4973.4  | 5073.2  | 5354.5  | 5681.2  | 5899.1  | 5903.6  | 5817.4  | 5676.7  | 5694.9  | 5740.2  |
| 27.5° | 5322.8  | 5381.8  | 5486.1  | 5744.8  | 6103.3  | 6348.3  | 6307.5  | 6203.1  | 6021.6  | 6035.2  | 6021.6  |
| 30°   | 5826.5  | 5880.9  | 5967.1  | 6298.4  | 6561.6  | 6829.3  | 6888.3  | 6788.5  | 6516.2  | 6457.2  | 6525.3  |
| 32.5° | 6434.5  | 6511.6  | 6670.5  | 6974.5  | 7196.8  | 7360.2  | 7401.0  | 7364.7  | 7110.6  | 7087.9  | 7133.3  |
| 35°   | 7174.2  | 7278.5  | 7423.7  | 7691.5  | 7873.0  | 8167.9  | 8167.9  | 8045.4  | 7814.0  | 7841.2  | 7836.7  |
| 37.5° | 7954.6  | 8108.9  | 8335.8  | 8608.1  | 8853.1  | 9011.9  | 8962.0  | 8857.7  | 8626.2  | 8567.2  | 8626.2  |
| 40°   | 8934.8  | 9011.9  | 9297.8  | 9651.8  | 9951.3  | 10132.8 | 9919.5  | 9692.6  | 9139.0  | 9225.2  | 9384.0  |
| 42.5° | 9828.7  | 9951.3  | 10169.1 | 10559.3 | 10899.6 | 11049.4 | 10795.3 | 10346.0 | 9679.0  | 9610.9  | 9728.9  |
| 45°   | 10591.1 | 10722.7 | 11008.5 | 11566.7 | 11925.2 | 12056.8 | 11494.1 | 10768.0 | 10005.7 | 9833.3  | 9883.2  |
| 47.5° | 11099.3 | 11167.4 | 11566.7 | 12097.6 | 12424.3 | 12723.8 | 11916.1 | 11058.5 | 10160.0 | 9833.3  | 9815.1  |
| 50°   | 10904.2 | 11022.2 | 11489.5 | 12093.1 | 12687.5 | 12900.8 | 12129.4 | 11280.8 | 10209.9 | 9792.4  | 9738.0  |
| 52.5° | 9683.5  | 9887.7  | 10409.6 | 11221.8 | 12120.3 | 12882.6 | 12424.3 | 11208.2 | 10191.8 | 9833.3  | 9915.0  |
| 55°   | 6738.5  | 6743.1  | 7378.4  | 8576.3  | 10164.5 | 11961.5 | 11993.2 | 11289.9 | 10309.7 | 10087.4 | 10091.9 |
| 57.5° | 2709.0  | 2845.2  | 3330.7  | 4533.2  | 5998.9  | 8213.3  | 9765.2  | 10473.1 | 10323.3 | 10268.9 | 10409.6 |
| 60°   | 685.2   | 689.7   | 839.5   | 1279.6  | 2110.0  | 3521.3  | 5114.0  | 6920.0  | 7968.3  | 8326.7  | 8376.7  |
| 62.5° | 349.4   | 353.9   | 390.2   | 453.8   | 576.3   | 943.8   | 1679.0  | 2663.7  | 3789.0  | 4360.8  | 4510.5  |
| 65°   | 285.9   | 285.9   | 308.6   | 340.3   | 344.9   | 363.0   | 435.6   | 621.7   | 903.0   | 1025.5  | 1039.1  |
| 67.5° | 217.8   | 217.8   | 236.0   | 254.1   | 263.2   | 258.7   | 249.6   | 258.7   | 313.1   | 299.5   | 290.4   |
| 70°   | 136.1   | 140.7   | 149.7   | 167.9   | 177.0   | 181.5   | 186.0   | 195.1   | 222.3   | 231.4   | 222.3   |
| 72.5° | 81.7    | 81.7    | 86.2    | 99.8    | 113.4   | 122.5   | 136.1   | 145.2   | 158.8   | 181.5   | 177.0   |
| 75°   | 36.3    | 36.3    | 45.4    | 59.0    | 72.6    | 86.2    | 99.8    | 113.4   | 122.5   | 136.1   | 140.7   |
| 77.5° | 9.1     | 13.6    | 22.7    | 40.8    | 54.5    | 72.6    | 90.8    | 104.4   | 113.4   | 113.4   | 108.9   |
| 80°   | 4.5     | 4.5     | 18.2    | 31.8    | 59.0    | 77.1    | 99.8    | 108.9   | 122.5   | 113.4   | 99.8    |
| 82.5° | 4.5     | 4.5     | 18.2    | 31.8    | 54.5    | 77.1    | 104.4   | 118.0   | 127.1   | 113.4   | 95.3    |
| 85°   | 0.0     | 4.5     | 13.6    | 27.2    | 45.4    | 54.5    | 45.4    | 31.8    | 18.2    | 18.2    | 13.6    |
| 87.5° | 0.0     | 0.0     | 4.5     | 4.5     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 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)