

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: P530095

Luminaire Tested: **GLAN-SA5B-740-U-5NQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530095  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA5B-740-U-5NQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19576 lumens  
Efficiency: N/A  
Efficacy: 96.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

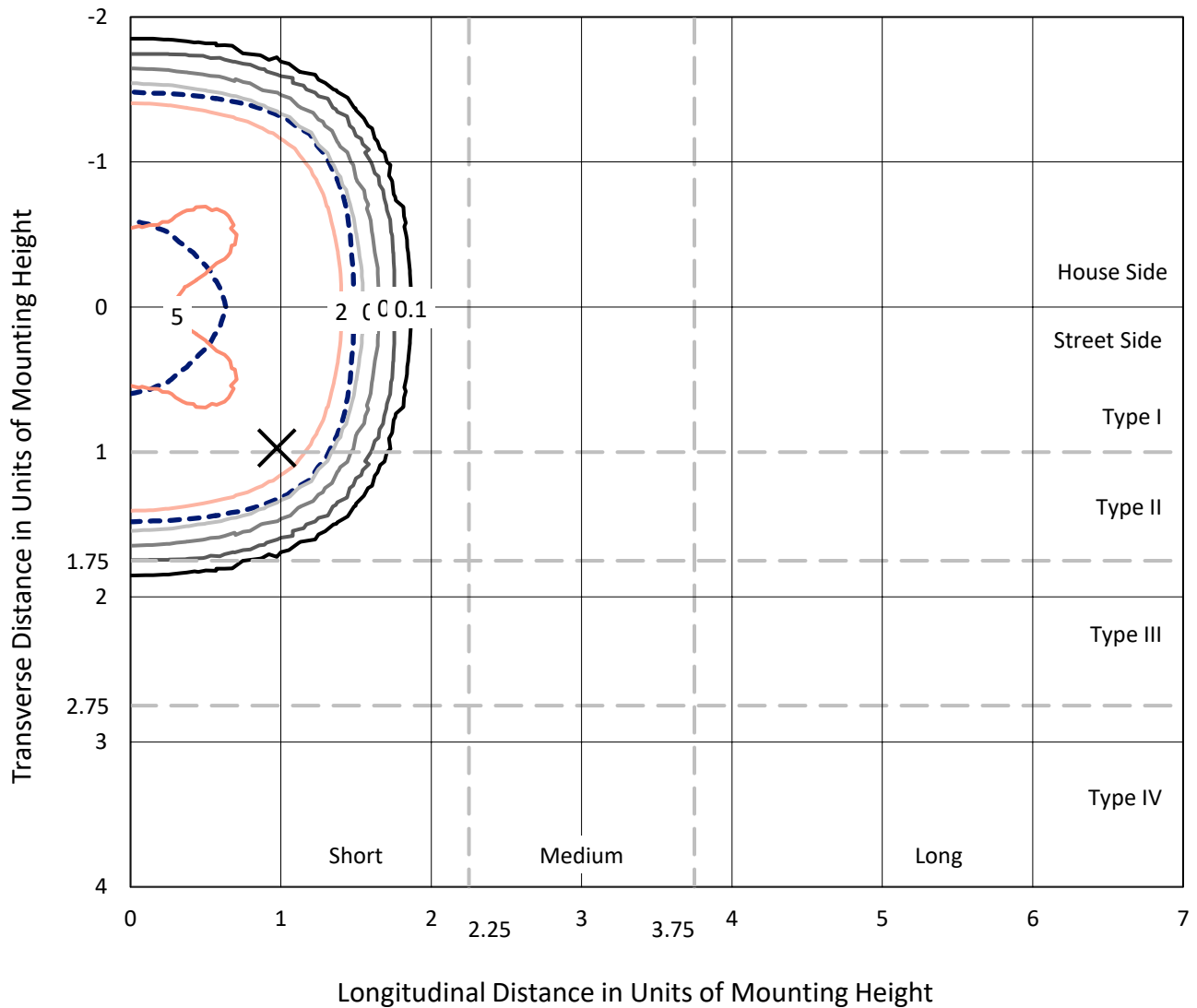
Input Watts (W): 204  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

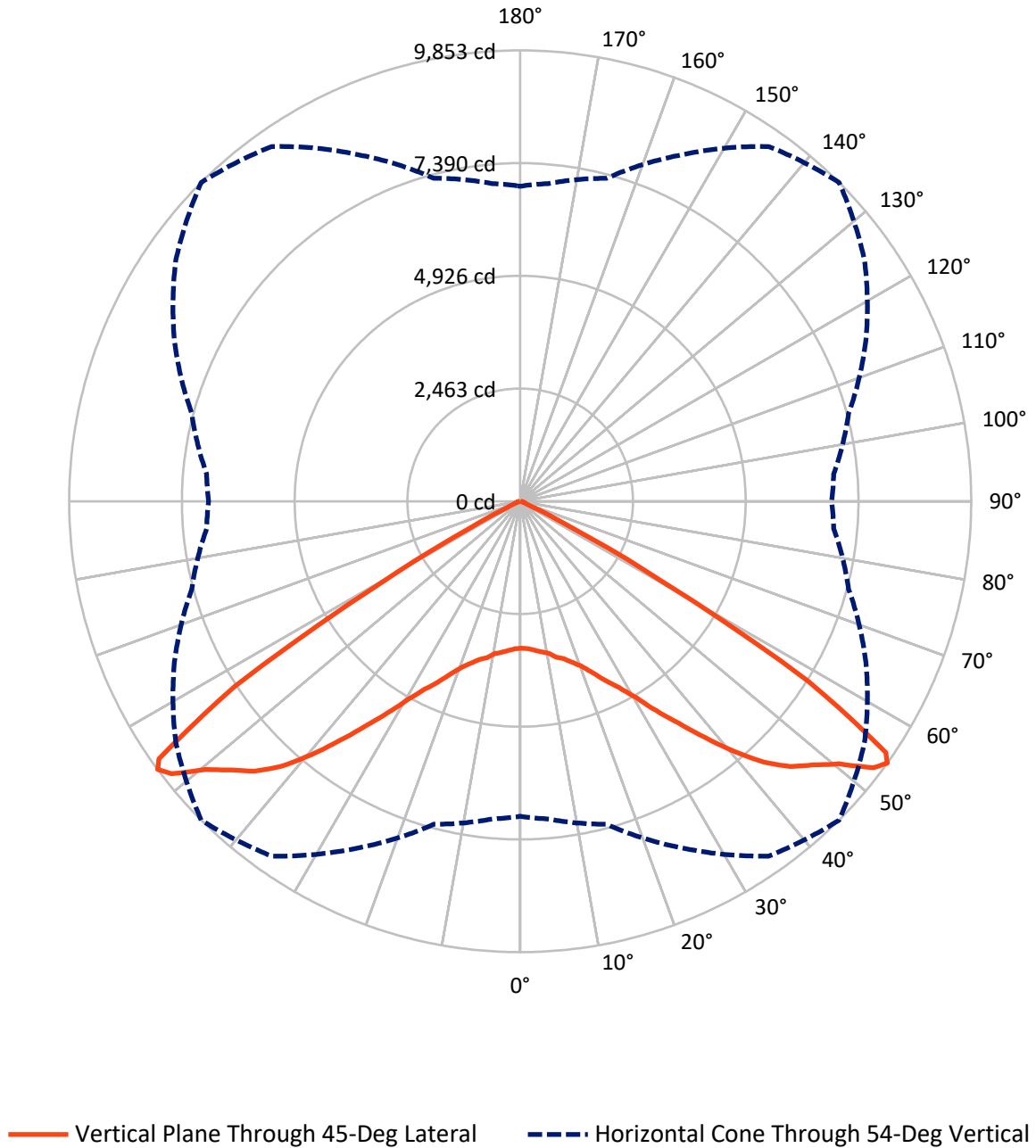
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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    | 9788.0   | 0.0    | 9788.0  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 9788.0   | 0.0    | 9788.0  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 19576.0  | 0.0    | 19576.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 314.2   | 1.6       |
| 10°-20°   | 1017.4  | 5.2       |
| 20°-30°   | 1994.0  | 10.2      |
| 30°-40°   | 3585.7  | 18.3      |
| 40°-50°   | 6138.0  | 31.4      |
| 50°-60°   | 5939.1  | 30.3      |
| 60°-70°   | 508.4   | 2.6       |
| 70°-80°   | 60.2    | 0.3       |
| 80°-90°   | 18.9    | 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°    | 19576.0 | 100.0     |
| 0°-180°   | 19576.0 | 100.0     |

**Coefficient of Utilization**



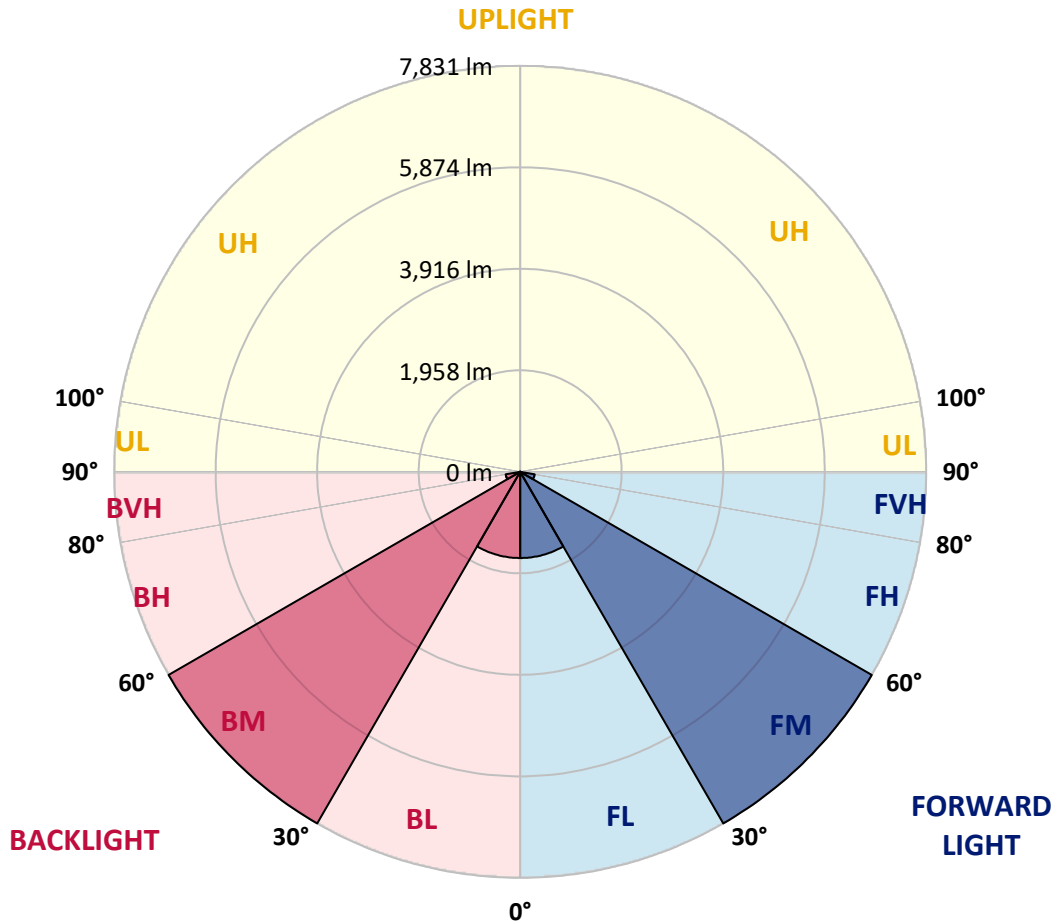
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|----------------|--------|-----------|-------------------------|------|--------|
|                |        |           | B                       | U    | G      |
| FL (0°-30°)    | 1662.8 | 8.5       |                         |      |        |
| FM (30°-60°)   | 7831.4 | 40.0      |                         |      |        |
| FH (60°-80°)   | 284.3  | 1.5       |                         |      | G0/660 |
| FVH (80°-90°)  | 9.4    | 0.0       |                         |      | G0/10  |
| BL (0°-30°)    | 1662.8 | 8.5       | B3/2500                 |      |        |
| BM (30°-60°)   | 7831.4 | 40.0      | B4/8500                 |      |        |
| BH (60°-80°)   | 284.3  | 1.5       | B1/500                  |      | G0/660 |
| BVH (80°-90°)  | 9.4    | 0.0       |                         |      | G0/10  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |        |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |        |

**BUG Rating: B4-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3209.9 | 3209.9 | 3209.9 | 3209.9 | 3209.9 | 3209.9 | 3209.9 | 3209.9 | 3209.9 | 3209.9 | 3209.9 |
| 2.5°  | 3225.4 | 3244.0 | 3231.6 | 3240.9 | 3240.9 | 3225.4 | 3234.7 | 3197.4 | 3222.3 | 3203.7 | 3206.8 |
| 5°    | 3275.0 | 3271.9 | 3271.9 | 3275.0 | 3262.6 | 3268.8 | 3256.4 | 3244.0 | 3234.7 | 3222.3 | 3259.5 |
| 7.5°  | 3337.0 | 3337.0 | 3315.3 | 3321.5 | 3315.3 | 3324.6 | 3299.8 | 3275.0 | 3265.7 | 3256.4 | 3250.2 |
| 10°   | 3395.9 | 3389.7 | 3380.4 | 3408.3 | 3386.6 | 3374.2 | 3361.8 | 3346.3 | 3312.2 | 3299.8 | 3287.4 |
| 12.5° | 3482.8 | 3479.7 | 3467.3 | 3495.2 | 3482.8 | 3495.2 | 3448.7 | 3408.3 | 3402.1 | 3361.8 | 3383.5 |
| 15°   | 3585.1 | 3613.0 | 3591.3 | 3591.3 | 3585.1 | 3569.6 | 3551.0 | 3532.4 | 3476.6 | 3461.1 | 3464.2 |
| 17.5° | 3718.5 | 3709.2 | 3712.3 | 3712.3 | 3743.3 | 3703.0 | 3665.7 | 3619.2 | 3591.3 | 3582.0 | 3551.0 |
| 20°   | 3845.6 | 3858.0 | 3854.9 | 3876.6 | 3895.2 | 3851.8 | 3811.5 | 3805.3 | 3727.8 | 3740.2 | 3696.8 |
| 22.5° | 4068.9 | 4059.6 | 4075.1 | 4090.6 | 4078.2 | 4072.0 | 4034.8 | 3988.3 | 3920.1 | 3889.0 | 3882.8 |
| 25°   | 4304.6 | 4289.1 | 4261.2 | 4298.4 | 4317.0 | 4344.9 | 4273.6 | 4248.8 | 4143.3 | 4096.8 | 4099.9 |
| 27.5° | 4506.2 | 4527.9 | 4558.9 | 4574.4 | 4620.9 | 4611.6 | 4562.0 | 4481.4 | 4400.8 | 4348.0 | 4313.9 |
| 30°   | 4782.2 | 4794.6 | 4847.3 | 4869.1 | 4949.7 | 4971.4 | 4893.9 | 4800.8 | 4658.2 | 4589.9 | 4549.6 |
| 32.5° | 5036.5 | 5123.4 | 5120.3 | 5228.8 | 5359.1 | 5449.0 | 5309.4 | 5166.8 | 5024.1 | 4943.5 | 4872.2 |
| 35°   | 5449.0 | 5433.5 | 5523.4 | 5638.2 | 5849.1 | 5951.4 | 5799.4 | 5635.1 | 5418.0 | 5287.7 | 5231.9 |
| 37.5° | 5833.6 | 5839.8 | 5960.7 | 6143.7 | 6385.6 | 6543.8 | 6410.4 | 6140.6 | 5917.3 | 5749.8 | 5672.3 |
| 40°   | 6391.8 | 6404.2 | 6528.3 | 6736.0 | 7009.0 | 7179.5 | 7024.5 | 6751.5 | 6453.8 | 6323.6 | 6323.6 |
| 42.5° | 7046.2 | 7098.9 | 7179.5 | 7359.4 | 7604.4 | 7793.6 | 7654.0 | 7440.0 | 7139.2 | 6971.7 | 6996.6 |
| 45°   | 7719.2 | 7744.0 | 7796.7 | 8063.4 | 8178.2 | 8271.2 | 8140.9 | 8041.7 | 7840.1 | 7635.4 | 7601.3 |
| 47.5° | 8348.7 | 8358.0 | 8513.1 | 8596.8 | 8686.8 | 8609.2 | 8693.0 | 8562.7 | 8336.3 | 8137.8 | 8097.5 |
| 50°   | 8627.8 | 8612.3 | 8832.5 | 9086.8 | 9155.1 | 9018.6 | 8947.3 | 8860.4 | 8516.2 | 8277.4 | 8171.9 |
| 52.5° | 7815.3 | 7905.2 | 8314.6 | 9021.7 | 9555.1 | 9669.9 | 9254.3 | 8854.2 | 8212.3 | 7747.1 | 7675.7 |
| 54°   | 6884.9 | 6968.6 | 7306.7 | 8354.9 | 9465.2 | 9852.9 | 9183.0 | 8333.2 | 7427.6 | 6875.6 | 6804.3 |
| 55°   | 5963.8 | 5870.8 | 6484.8 | 7554.8 | 9043.4 | 9691.6 | 8900.8 | 7660.2 | 6624.4 | 6118.9 | 6019.6 |
| 57.5° | 3228.5 | 3244.0 | 3761.9 | 4772.9 | 6354.6 | 7430.7 | 6562.4 | 5182.3 | 3913.9 | 3346.3 | 3296.7 |
| 60°   | 1023.4 | 1048.2 | 1274.6 | 1929.0 | 3036.2 | 3625.4 | 3107.5 | 2081.0 | 1439.0 | 1153.7 | 1107.2 |
| 62.5° | 319.4  | 331.8  | 362.9  | 539.6  | 831.2  | 1187.8 | 930.4  | 558.2  | 415.6  | 381.5  | 387.7  |
| 65°   | 195.4  | 195.4  | 198.5  | 210.9  | 248.1  | 288.4  | 279.1  | 245.0  | 235.7  | 229.5  | 226.4  |
| 67.5° | 127.2  | 124.1  | 130.3  | 139.6  | 145.8  | 148.9  | 158.2  | 167.5  | 164.4  | 158.2  | 158.2  |
| 70°   | 77.5   | 74.4   | 80.6   | 93.0   | 96.1   | 102.3  | 111.6  | 124.1  | 121.0  | 114.7  | 117.8  |
| 72.5° | 43.4   | 43.4   | 46.5   | 55.8   | 65.1   | 71.3   | 80.6   | 89.9   | 93.0   | 89.9   | 89.9   |
| 75°   | 15.5   | 18.6   | 24.8   | 34.1   | 40.3   | 49.6   | 58.9   | 68.2   | 77.5   | 71.3   | 68.2   |
| 77.5° | 6.2    | 6.2    | 12.4   | 21.7   | 31.0   | 40.3   | 55.8   | 65.1   | 71.3   | 65.1   | 58.9   |
| 80°   | 3.1    | 3.1    | 9.3    | 18.6   | 27.9   | 37.2   | 46.5   | 55.8   | 58.9   | 52.7   | 46.5   |
| 82.5° | 3.1    | 3.1    | 9.3    | 18.6   | 27.9   | 34.1   | 49.6   | 55.8   | 62.0   | 55.8   | 46.5   |
| 85°   | 0.0    | 3.1    | 9.3    | 18.6   | 24.8   | 27.9   | 27.9   | 18.6   | 15.5   | 9.3    | 9.3    |
| 87.5° | 0.0    | 0.0    | 3.1    | 0.0    | 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)