

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: P529863

Luminaire Tested: **GLAN-SA5A-740-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529863
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA5A-740-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11946 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

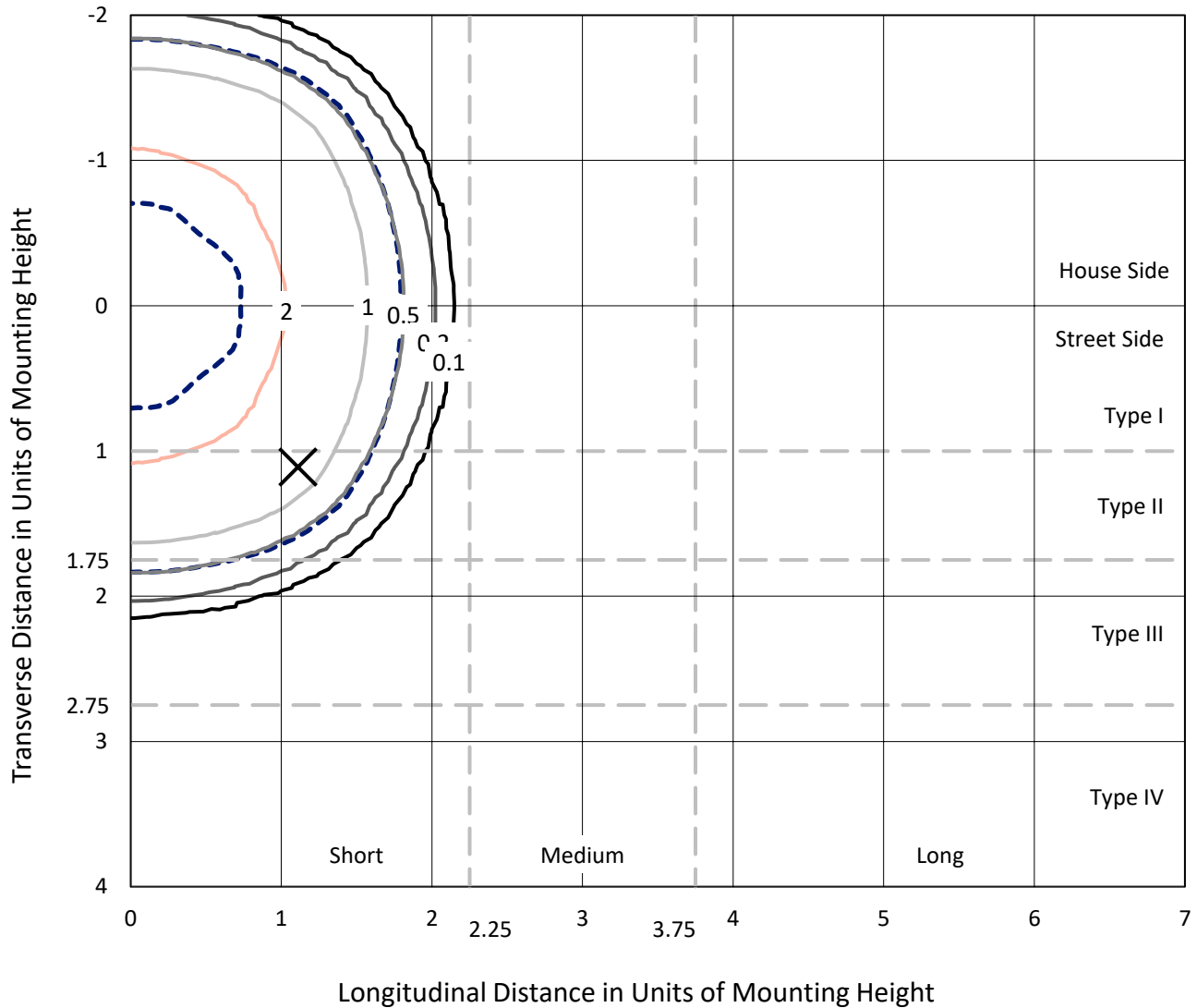
Input Watts (W): 154
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

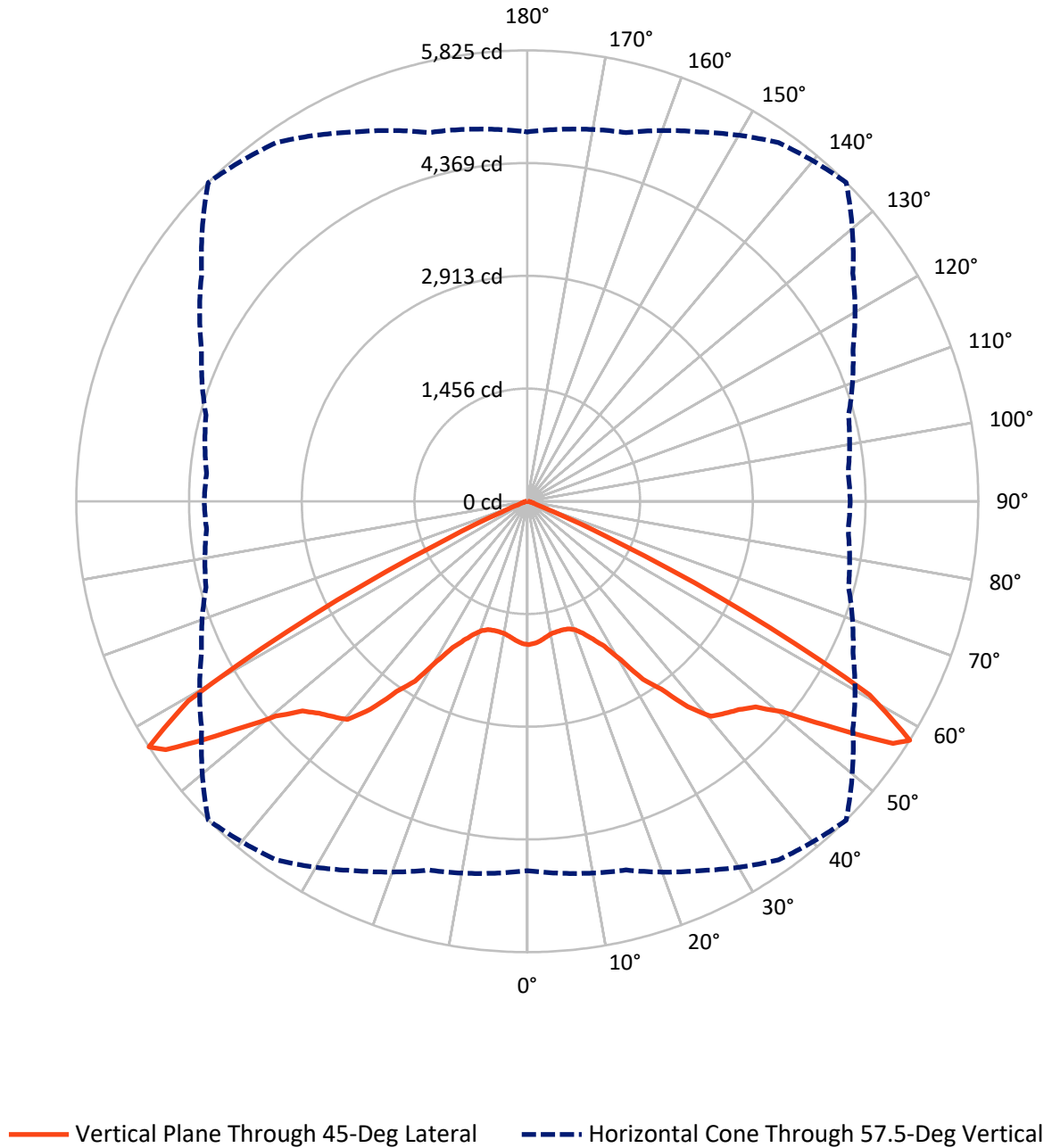
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 5973.0 | 0.0 | 5973.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 5973.0 | 0.0 | 5973.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 11946.0 | 0.0 | 11946.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 170.3 | 1.4 |
| 10°-20° | 492.2 | 4.1 |
| 20°-30° | 908.5 | 7.6 |
| 30°-40° | 1786.7 | 15.0 |
| 40°-50° | 2910.0 | 24.4 |
| 50°-60° | 4150.0 | 34.7 |
| 60°-70° | 1436.8 | 12.0 |
| 70°-80° | 77.1 | 0.6 |
| 80°-90° | 14.5 | 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° | 11946.0 | 100.0 |
| 0°-180° | 11946.0 | 100.0 |

Coefficient of Utilization

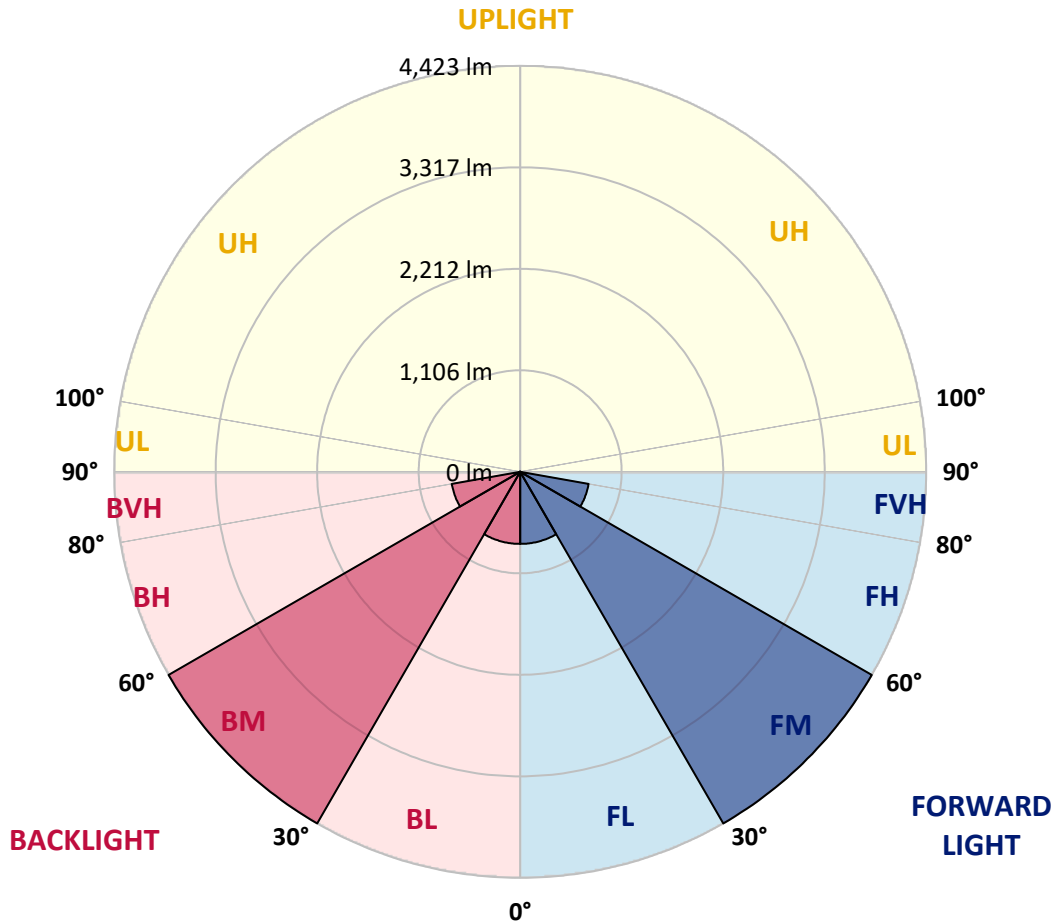


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 785.5 | 6.6 | | | |
| FM (30°-60°) | 4423.3 | 37.0 | | | |
| FH (60°-80°) | 757.0 | 6.3 | | | G1/1800 |
| FVH (80°-90°) | 7.2 | 0.1 | | | G0/10 |
| BL (0°-30°) | 785.5 | 6.6 | B2/1000 | | |
| BM (30°-60°) | 4423.3 | 37.0 | B3/5000 | | |
| BH (60°-80°) | 757.0 | 6.3 | B2/1000 | | G1/1800 |
| BVH (80°-90°) | 7.2 | 0.1 | | | G0/10 |
| 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° | 1852.9 | 1852.9 | 1852.9 | 1852.9 | 1852.9 | 1852.9 | 1852.9 | 1852.9 | 1852.9 | 1852.9 | 1852.9 |
| 2.5° | 1848.0 | 1857.9 | 1845.5 | 1840.5 | 1838.0 | 1838.0 | 1830.5 | 1830.5 | 1828.0 | 1830.5 | 1820.6 |
| 5° | 1818.1 | 1828.0 | 1828.0 | 1825.6 | 1810.6 | 1808.1 | 1800.6 | 1795.7 | 1798.2 | 1788.2 | 1795.7 |
| 7.5° | 1788.2 | 1795.7 | 1785.7 | 1783.2 | 1778.2 | 1768.3 | 1765.8 | 1743.4 | 1745.9 | 1745.9 | 1750.8 |
| 10° | 1783.2 | 1780.7 | 1765.8 | 1753.3 | 1738.4 | 1735.9 | 1728.4 | 1723.4 | 1723.4 | 1721.0 | 1728.4 |
| 12.5° | 1783.2 | 1770.8 | 1768.3 | 1740.9 | 1716.0 | 1725.9 | 1706.0 | 1693.6 | 1711.0 | 1716.0 | 1725.9 |
| 15° | 1780.7 | 1793.2 | 1750.8 | 1738.4 | 1721.0 | 1723.4 | 1706.0 | 1693.6 | 1703.5 | 1708.5 | 1716.0 |
| 17.5° | 1795.7 | 1788.2 | 1775.7 | 1750.8 | 1743.4 | 1733.4 | 1711.0 | 1701.0 | 1701.0 | 1713.5 | 1716.0 |
| 20° | 1835.5 | 1815.6 | 1790.7 | 1778.2 | 1785.7 | 1773.3 | 1745.9 | 1708.5 | 1718.5 | 1728.4 | 1735.9 |
| 22.5° | 1872.9 | 1857.9 | 1840.5 | 1833.0 | 1875.4 | 1855.4 | 1808.1 | 1765.8 | 1750.8 | 1768.3 | 1780.7 |
| 25° | 1945.1 | 1945.1 | 1912.7 | 1922.7 | 1970.0 | 1972.5 | 1917.7 | 1843.0 | 1833.0 | 1840.5 | 1845.5 |
| 27.5° | 2092.0 | 2099.5 | 2072.1 | 2082.1 | 2102.0 | 2119.4 | 2072.1 | 2009.9 | 1987.4 | 1984.9 | 1992.4 |
| 30° | 2251.4 | 2266.4 | 2263.9 | 2306.2 | 2363.5 | 2373.5 | 2303.7 | 2201.6 | 2134.4 | 2121.9 | 2131.9 |
| 32.5° | 2460.6 | 2468.1 | 2463.1 | 2512.9 | 2667.4 | 2739.6 | 2557.8 | 2413.3 | 2323.7 | 2346.1 | 2323.7 |
| 35° | 2854.1 | 2846.7 | 2791.9 | 2801.8 | 2928.9 | 2981.2 | 2806.8 | 2714.7 | 2672.3 | 2717.2 | 2707.2 |
| 37.5° | 3192.9 | 3165.5 | 3120.6 | 3185.4 | 3317.4 | 3364.7 | 3182.9 | 3021.0 | 2943.8 | 3018.5 | 3050.9 |
| 40° | 3479.3 | 3409.5 | 3347.3 | 3412.0 | 3588.8 | 3653.6 | 3387.1 | 3255.1 | 3225.2 | 3280.0 | 3349.8 |
| 42.5° | 3720.8 | 3676.0 | 3593.8 | 3598.8 | 3715.9 | 3745.7 | 3531.6 | 3454.4 | 3424.5 | 3511.6 | 3546.5 |
| 45° | 3892.7 | 3850.3 | 3773.1 | 3768.2 | 3857.8 | 3837.9 | 3646.1 | 3593.8 | 3611.3 | 3668.5 | 3686.0 |
| 47.5° | 3979.9 | 4002.3 | 3957.4 | 3969.9 | 4017.2 | 3969.9 | 3818.0 | 3818.0 | 3778.1 | 3813.0 | 3795.6 |
| 50° | 4231.4 | 4161.7 | 4218.9 | 4218.9 | 4268.8 | 4273.7 | 4121.8 | 4067.0 | 3959.9 | 3900.2 | 3900.2 |
| 52.5° | 4525.3 | 4530.3 | 4552.7 | 4634.9 | 4719.5 | 4791.8 | 4575.1 | 4341.0 | 4161.7 | 4084.5 | 4074.5 |
| 55° | 4766.9 | 4816.7 | 4906.3 | 5060.7 | 5304.8 | 5404.4 | 5030.9 | 4612.5 | 4393.3 | 4273.7 | 4248.8 |
| 56° | 4898.9 | 4851.5 | 5006.0 | 5217.6 | 5536.4 | 5665.9 | 5105.6 | 4667.2 | 4425.7 | 4291.2 | 4288.7 |
| 57.5° | 4771.8 | 4824.1 | 4931.2 | 5265.0 | 5656.0 | 5825.3 | 5133.0 | 4642.3 | 4296.2 | 4159.2 | 4171.6 |
| 60° | 3768.2 | 3818.0 | 3962.4 | 4336.0 | 4948.7 | 5080.7 | 4343.5 | 3827.9 | 3519.1 | 3322.4 | 3324.8 |
| 62.5° | 2131.9 | 2169.2 | 2281.3 | 2627.5 | 3008.6 | 3135.6 | 2707.2 | 2363.5 | 2149.3 | 2039.7 | 2004.9 |
| 65° | 784.5 | 769.6 | 787.0 | 963.8 | 1197.9 | 1305.0 | 1125.7 | 951.4 | 839.3 | 799.5 | 784.5 |
| 67.5° | 293.9 | 271.5 | 254.0 | 271.5 | 341.2 | 361.1 | 331.2 | 276.4 | 259.0 | 266.5 | 271.5 |
| 70° | 181.8 | 171.8 | 137.0 | 129.5 | 127.0 | 124.5 | 132.0 | 139.5 | 159.4 | 186.8 | 191.8 |
| 72.5° | 127.0 | 119.5 | 97.1 | 92.1 | 87.2 | 84.7 | 97.1 | 107.1 | 124.5 | 144.5 | 146.9 |
| 75° | 49.8 | 52.3 | 49.8 | 54.8 | 57.3 | 59.8 | 69.7 | 77.2 | 84.7 | 84.7 | 82.2 |
| 77.5° | 10.0 | 10.0 | 14.9 | 19.9 | 24.9 | 32.4 | 47.3 | 54.8 | 57.3 | 54.8 | 47.3 |
| 80° | 0.0 | 0.0 | 5.0 | 10.0 | 19.9 | 27.4 | 42.3 | 47.3 | 52.3 | 47.3 | 37.4 |
| 82.5° | 0.0 | 0.0 | 5.0 | 12.5 | 19.9 | 24.9 | 39.8 | 49.8 | 57.3 | 52.3 | 39.8 |
| 85° | 0.0 | 0.0 | 5.0 | 10.0 | 14.9 | 17.4 | 17.4 | 12.5 | 12.5 | 7.5 | 5.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 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)