

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: P453324

Luminaire Tested: **GLAN-SA4B-760-U-5WQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P453324
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA4B-760-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23559 lumens
Efficiency: N/A
Efficacy: 143.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

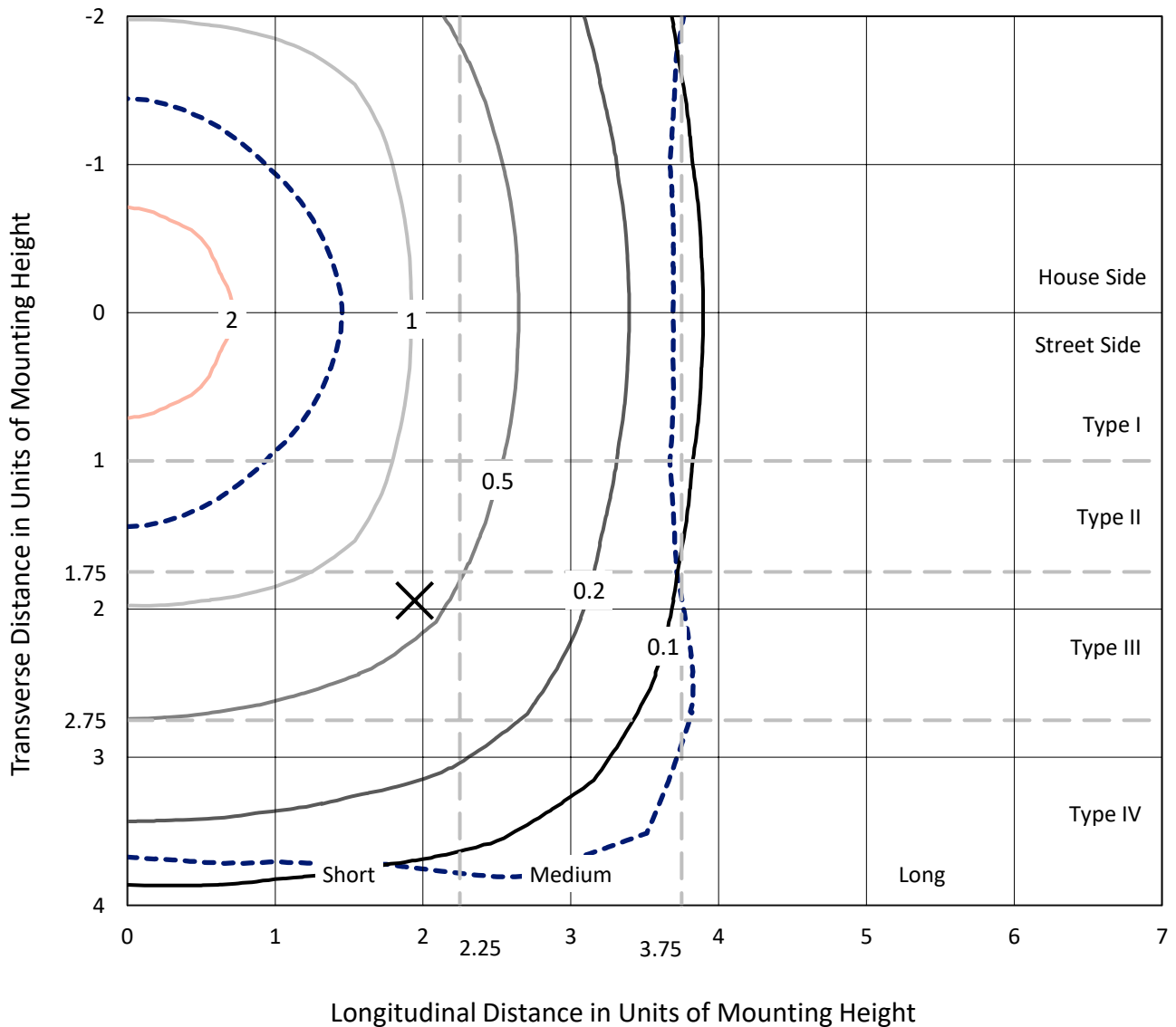
Input Watts (W): 164
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

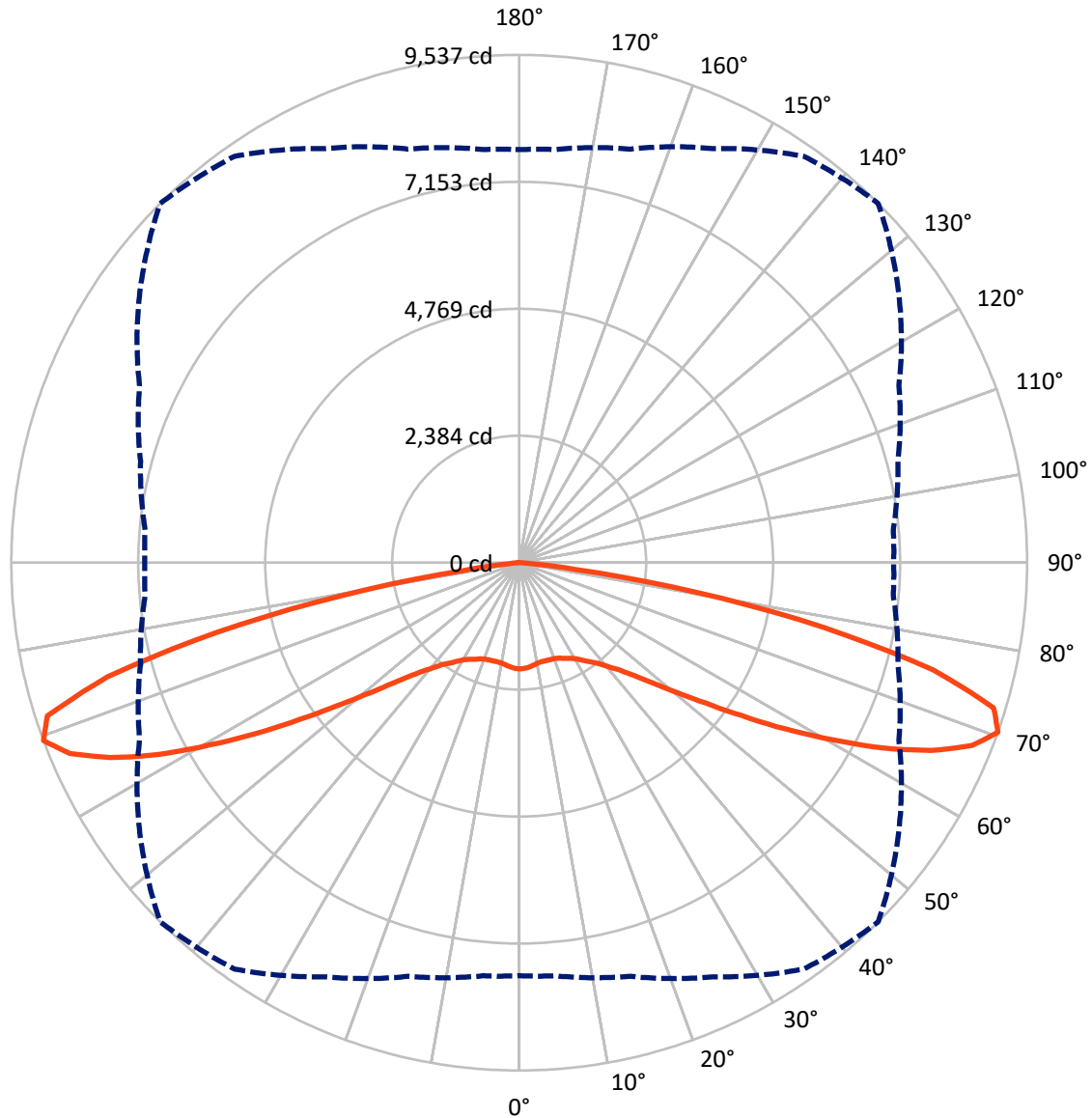
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 11779.5 | 0.0 | 11779.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 11779.5 | 0.0 | 11779.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 23559.0 | 0.0 | 23559.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 186.5 | 0.8 |
| 10°-20° | 546.1 | 2.3 |
| 20°-30° | 930.4 | 3.9 |
| 30°-40° | 1442.1 | 6.1 |
| 40°-50° | 2427.2 | 10.3 |
| 50°-60° | 4416.2 | 18.7 |
| 60°-70° | 7476.6 | 31.7 |
| 70°-80° | 5787.1 | 24.6 |
| 80°-90° | 346.8 | 1.5 |
| 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° | 23559.0 | 100.0 |
| 0°-180° | 23559.0 | 100.0 |

Coefficient of Utilization



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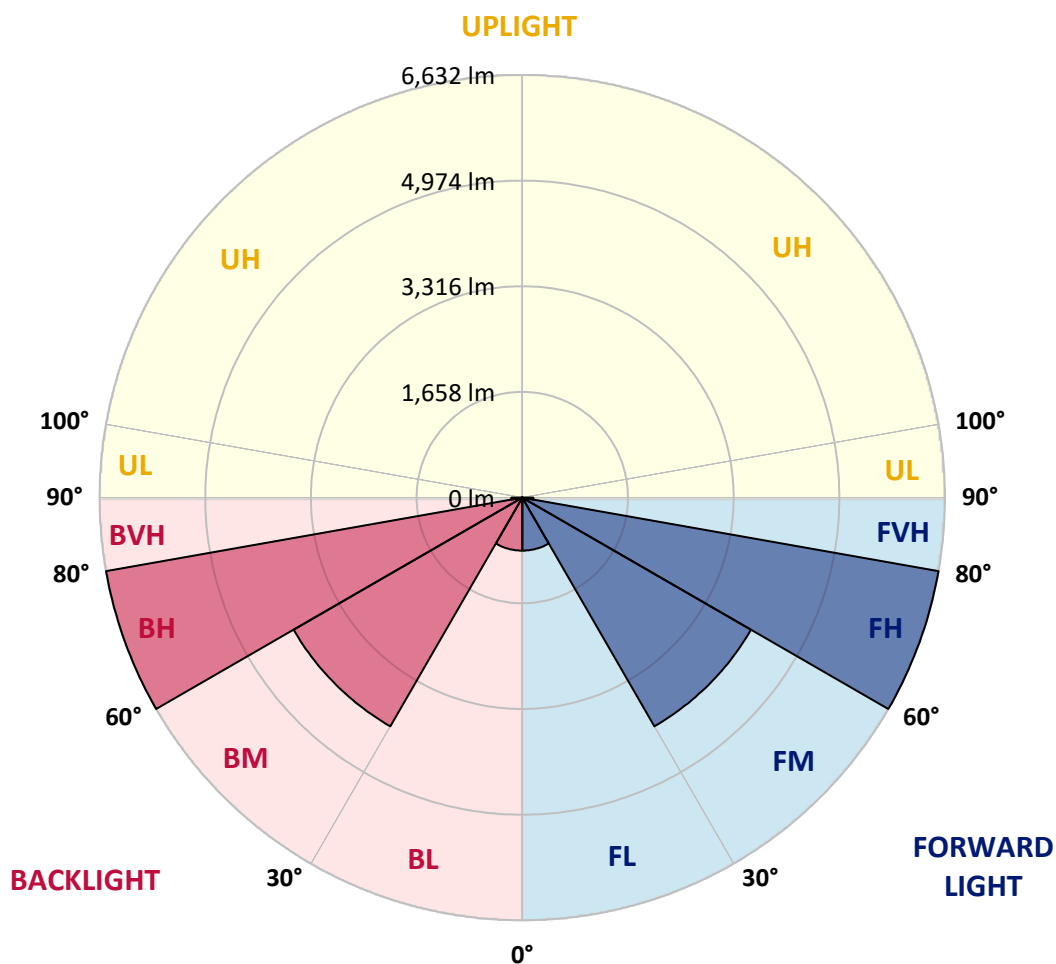
CATALOG NUMBER: GLAN-SA4B-760-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 831.5 | 3.5 | | | |
| FM (30°-60°) | 4142.8 | 17.6 | | | |
| FH (60°-80°) | 6631.9 | 28.1 | | | G3/7500 |
| FVH (80°-90°) | 173.4 | 0.7 | | | G2/225 |
| BL (0°-30°) | 831.5 | 3.5 | B2/1000 | | |
| BM (30°-60°) | 4142.8 | 17.6 | B3/5000 | | |
| BH (60°-80°) | 6631.9 | 28.1 | B5 | | G3/7500 |
| BVH (80°-90°) | 173.4 | 0.7 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1994.6 | 1994.6 | 1994.6 | 1994.6 | 1994.6 | 1994.6 | 1994.6 | 1994.6 | 1994.6 | 1994.6 | 1994.6 |
| 2.5° | 1989.6 | 1990.8 | 1990.8 | 1988.3 | 1987.1 | 1987.1 | 1985.8 | 1985.8 | 1989.6 | 1990.8 | 1992.1 |
| 5° | 1972.2 | 1972.2 | 1972.2 | 1970.9 | 1968.4 | 1968.4 | 1965.9 | 1965.9 | 1967.2 | 1970.9 | 1968.4 |
| 7.5° | 1948.5 | 1951.0 | 1951.0 | 1946.0 | 1942.3 | 1942.3 | 1941.1 | 1942.3 | 1943.5 | 1947.3 | 1946.0 |
| 10° | 1941.1 | 1942.3 | 1936.1 | 1927.4 | 1921.1 | 1917.4 | 1918.7 | 1921.1 | 1927.4 | 1929.9 | 1931.1 |
| 12.5° | 1946.0 | 1946.0 | 1934.8 | 1922.4 | 1911.2 | 1906.2 | 1905.0 | 1913.7 | 1924.9 | 1932.3 | 1934.8 |
| 15° | 1952.3 | 1949.8 | 1936.1 | 1919.9 | 1908.7 | 1907.5 | 1906.2 | 1912.4 | 1928.6 | 1943.5 | 1944.8 |
| 17.5° | 1956.0 | 1954.7 | 1937.3 | 1917.4 | 1911.2 | 1911.2 | 1909.9 | 1914.9 | 1932.3 | 1951.0 | 1952.3 |
| 20° | 1968.4 | 1964.7 | 1944.8 | 1923.6 | 1918.7 | 1921.1 | 1917.4 | 1923.6 | 1942.3 | 1964.7 | 1969.7 |
| 22.5° | 1993.3 | 1989.6 | 1969.7 | 1948.5 | 1946.0 | 1946.0 | 1944.8 | 1951.0 | 1970.9 | 1994.6 | 1998.3 |
| 25° | 2023.2 | 2019.4 | 2000.8 | 1985.8 | 1988.3 | 1993.3 | 1990.8 | 1992.1 | 2008.2 | 2028.2 | 2034.4 |
| 27.5° | 2063.0 | 2056.8 | 2040.6 | 2028.2 | 2035.6 | 2035.6 | 2035.6 | 2034.4 | 2044.3 | 2063.0 | 2069.2 |
| 30° | 2111.5 | 2109.0 | 2091.6 | 2090.4 | 2096.6 | 2090.4 | 2090.4 | 2091.6 | 2092.9 | 2110.3 | 2116.5 |
| 32.5° | 2175.0 | 2170.0 | 2161.3 | 2158.8 | 2176.2 | 2181.2 | 2163.8 | 2147.6 | 2156.3 | 2173.7 | 2177.5 |
| 35° | 2279.5 | 2272.0 | 2259.6 | 2245.9 | 2259.6 | 2283.2 | 2245.9 | 2233.5 | 2255.9 | 2279.5 | 2282.0 |
| 37.5° | 2421.3 | 2417.6 | 2397.7 | 2372.8 | 2371.6 | 2396.5 | 2357.9 | 2356.6 | 2398.9 | 2427.6 | 2431.3 |
| 40° | 2599.3 | 2603.0 | 2578.1 | 2554.5 | 2542.0 | 2561.9 | 2532.1 | 2543.3 | 2584.3 | 2616.7 | 2614.2 |
| 42.5° | 2849.4 | 2835.7 | 2797.1 | 2774.7 | 2761.0 | 2753.6 | 2746.1 | 2763.5 | 2809.6 | 2844.4 | 2871.8 |
| 45° | 3141.8 | 3136.8 | 3088.3 | 3060.9 | 3031.0 | 3019.8 | 3017.3 | 3048.5 | 3104.4 | 3146.7 | 3150.5 |
| 47.5° | 3472.7 | 3461.5 | 3430.4 | 3401.8 | 3390.6 | 3376.9 | 3364.5 | 3388.1 | 3444.1 | 3474.0 | 3482.7 |
| 50° | 3813.7 | 3816.2 | 3816.2 | 3811.2 | 3822.4 | 3824.9 | 3791.3 | 3800.0 | 3831.1 | 3828.6 | 3826.1 |
| 52.5° | 4203.1 | 4216.8 | 4281.5 | 4287.7 | 4341.2 | 4377.3 | 4316.4 | 4280.3 | 4269.1 | 4201.9 | 4206.9 |
| 55° | 4661.0 | 4673.5 | 4770.5 | 4867.6 | 5011.9 | 5072.9 | 4944.7 | 4832.7 | 4753.1 | 4651.1 | 4656.0 |
| 57.5° | 5232.1 | 5238.4 | 5330.4 | 5517.1 | 5746.0 | 5889.1 | 5663.9 | 5442.4 | 5280.7 | 5183.6 | 5145.0 |
| 60° | 5846.8 | 5853.0 | 5987.4 | 6215.1 | 6571.0 | 6745.2 | 6466.4 | 6104.4 | 5900.3 | 5752.2 | 5762.2 |
| 62.5° | 6584.7 | 6609.5 | 6730.2 | 7043.8 | 7475.5 | 7670.9 | 7301.4 | 6817.3 | 6541.1 | 6357.0 | 6364.4 |
| 65° | 7374.8 | 7417.1 | 7549.0 | 7893.6 | 8291.8 | 8502.1 | 8049.2 | 7490.5 | 7147.1 | 6921.8 | 6945.5 |
| 67.5° | 7887.4 | 7924.7 | 8115.1 | 8495.8 | 8992.3 | 9166.5 | 8581.7 | 7930.9 | 7501.7 | 7232.9 | 7183.1 |
| 70° | 7756.8 | 7787.9 | 8041.7 | 8581.7 | 9317.1 | 9537.3 | 8708.6 | 7866.2 | 7361.1 | 7051.3 | 7031.3 |
| 72.5° | 6847.2 | 6782.5 | 7153.3 | 7928.5 | 8946.3 | 9315.8 | 8309.2 | 7184.4 | 6548.6 | 6230.0 | 6192.7 |
| 75° | 4537.8 | 4678.4 | 5225.9 | 6139.2 | 7568.9 | 8026.8 | 7092.3 | 5768.4 | 4968.4 | 4703.3 | 4662.3 |
| 77.5° | 1516.8 | 1625.0 | 2111.5 | 3480.2 | 5160.0 | 5848.0 | 5167.4 | 3772.6 | 2668.9 | 2150.1 | 2160.0 |
| 80° | 401.9 | 396.9 | 513.9 | 956.8 | 2229.7 | 3386.9 | 2595.5 | 1277.9 | 699.3 | 506.4 | 480.3 |
| 82.5° | 144.3 | 161.8 | 207.8 | 265.0 | 591.0 | 1052.6 | 742.8 | 358.3 | 262.5 | 194.1 | 187.9 |
| 85° | 63.5 | 62.2 | 89.6 | 105.8 | 148.1 | 196.6 | 174.2 | 151.8 | 133.1 | 88.3 | 82.1 |
| 87.5° | 13.7 | 13.7 | 21.2 | 16.2 | 26.1 | 26.1 | 32.4 | 38.6 | 39.8 | 26.1 | 21.2 |
| 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)