

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: P528249

Luminaire Tested: **GLAN-SA3B-750-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528249
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-SA3B-750-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 5000K, 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: 11669 lumens
Efficiency: N/A
Efficacy: 96.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

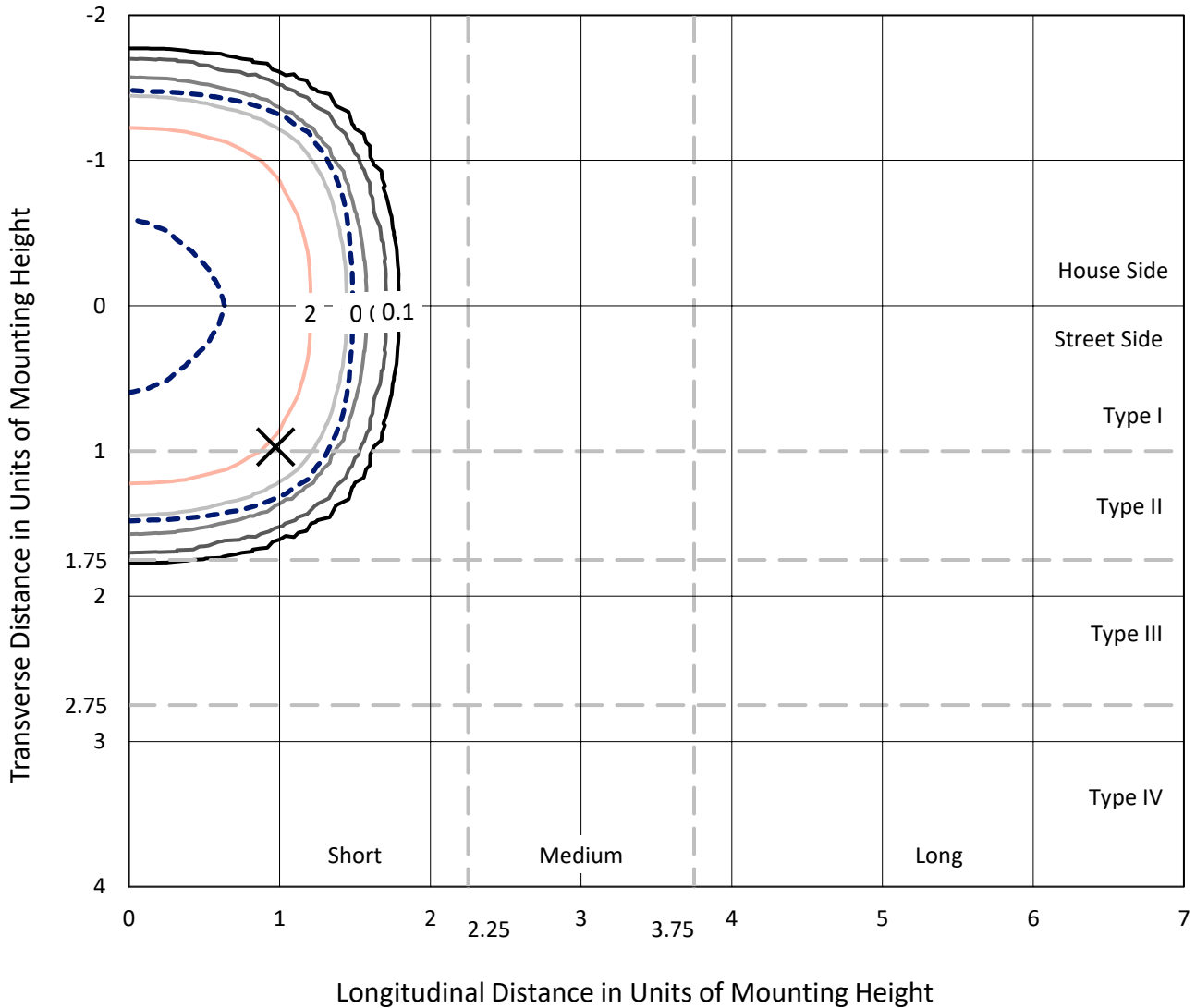
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

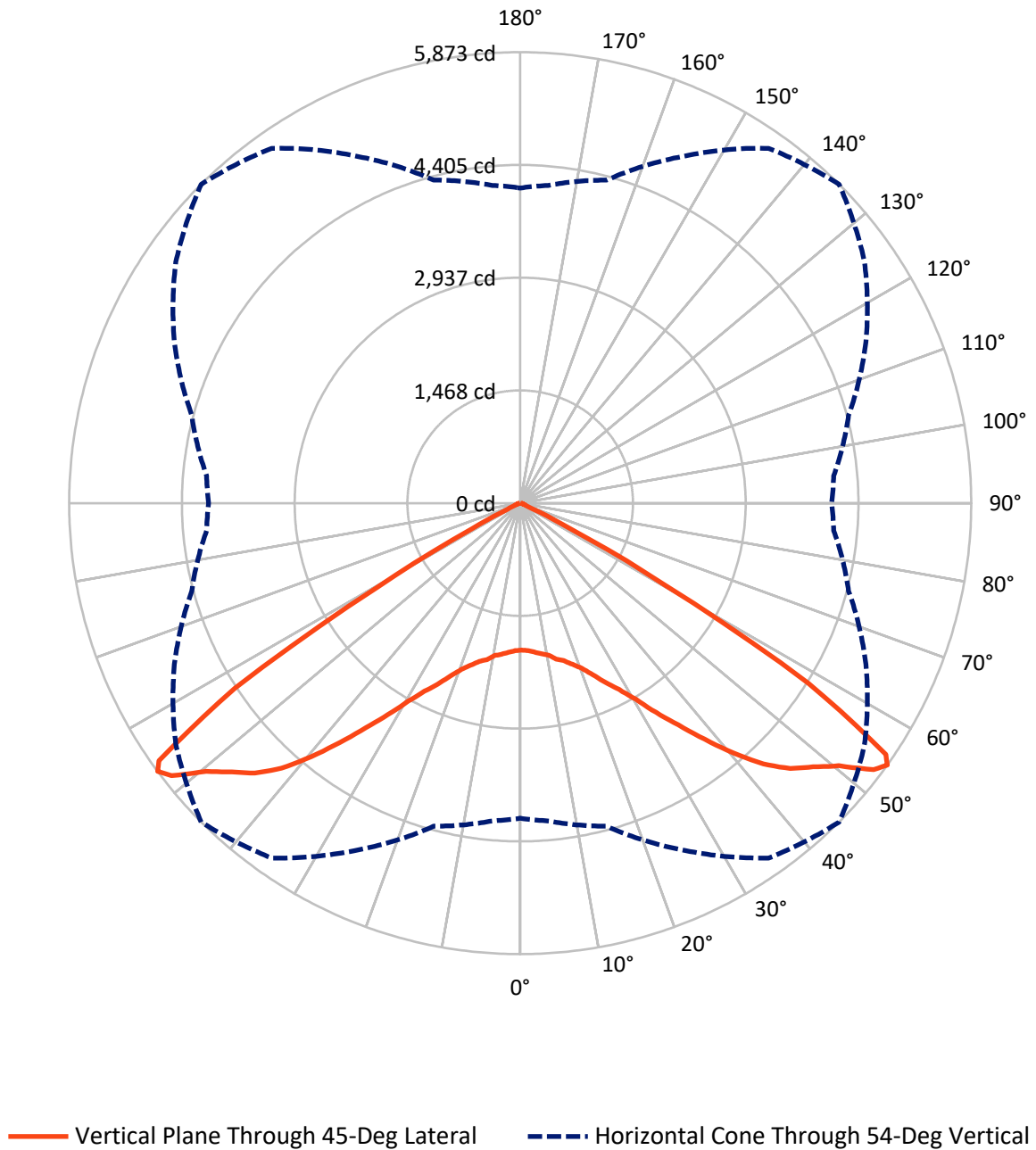
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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 | 5834.5 | 0.0 | 5834.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 5834.5 | 0.0 | 5834.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 11669.0 | 0.0 | 11669.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 187.3 | 1.6 |
| 10°-20° | 606.5 | 5.2 |
| 20°-30° | 1188.6 | 10.2 |
| 30°-40° | 2137.4 | 18.3 |
| 40°-50° | 3658.8 | 31.4 |
| 50°-60° | 3540.2 | 30.3 |
| 60°-70° | 303.1 | 2.6 |
| 70°-80° | 35.9 | 0.3 |
| 80°-90° | 11.3 | 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° | 11669.0 | 100.0 |
| 0°-180° | 11669.0 | 100.0 |

Coefficient of Utilization



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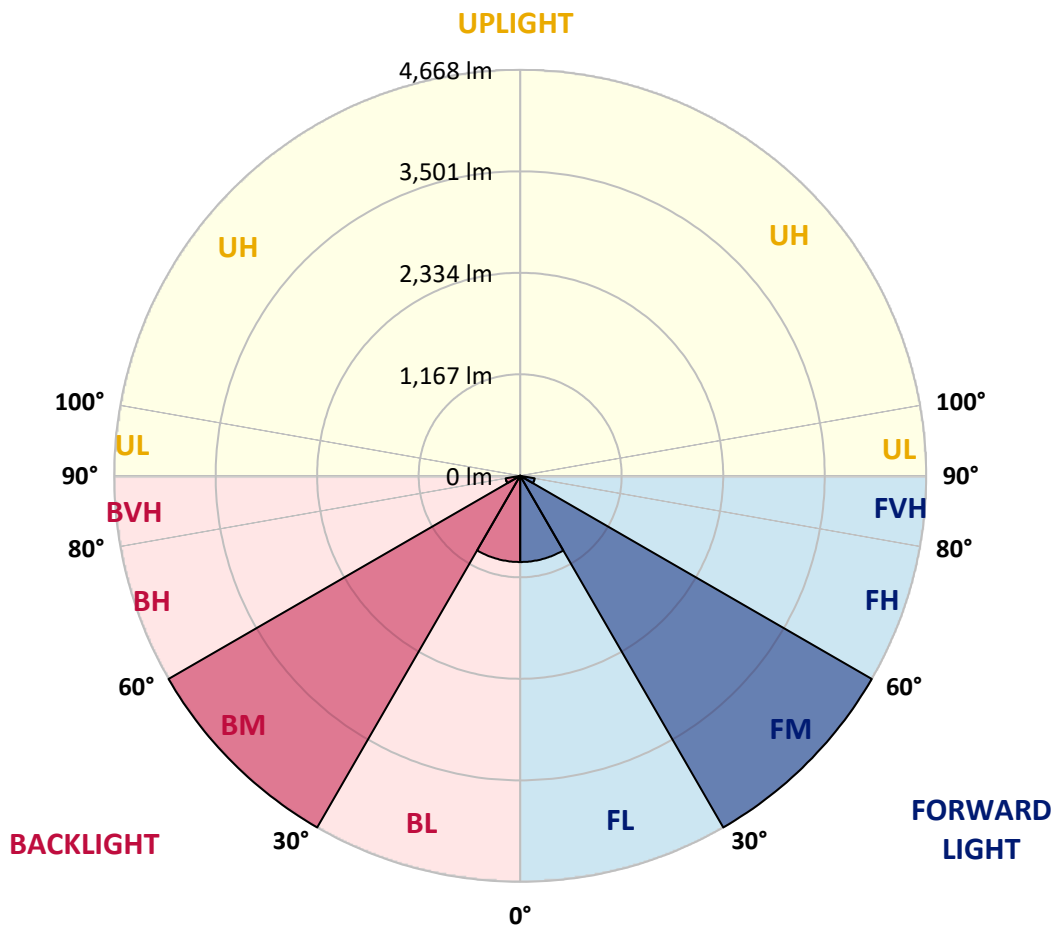
CATALOG NUMBER: GLAN-SA3B-750-U-5NQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 991.2 | 8.5 | | | |
| FM (30°-60°) | 4668.2 | 40.0 | | | |
| FH (60°-80°) | 169.5 | 1.5 | | | G0/660 |
| FVH (80°-90°) | 5.6 | 0.0 | | | G0/10 |
| BL (0°-30°) | 991.2 | 8.5 | B2/1000 | | |
| BM (30°-60°) | 4668.2 | 40.0 | B3/5000 | | |
| BH (60°-80°) | 169.5 | 1.5 | B1/500 | | G0/660 |
| BVH (80°-90°) | 5.6 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1913.4 | 1913.4 | 1913.4 | 1913.4 | 1913.4 | 1913.4 | 1913.4 | 1913.4 | 1913.4 | 1913.4 | 1913.4 |
| 2.5° | 1922.6 | 1933.7 | 1926.3 | 1931.8 | 1931.8 | 1922.6 | 1928.1 | 1906.0 | 1920.7 | 1909.7 | 1911.5 |
| 5° | 1952.2 | 1950.3 | 1950.3 | 1952.2 | 1944.8 | 1948.5 | 1941.1 | 1933.7 | 1928.1 | 1920.7 | 1942.9 |
| 7.5° | 1989.1 | 1989.1 | 1976.2 | 1979.9 | 1976.2 | 1981.8 | 1967.0 | 1952.2 | 1946.6 | 1941.1 | 1937.4 |
| 10° | 2024.3 | 2020.6 | 2015.0 | 2031.7 | 2018.7 | 2011.3 | 2003.9 | 1994.7 | 1974.4 | 1967.0 | 1959.6 |
| 12.5° | 2076.0 | 2074.2 | 2066.8 | 2083.4 | 2076.0 | 2083.4 | 2055.7 | 2031.7 | 2028.0 | 2003.9 | 2016.9 |
| 15° | 2137.0 | 2153.7 | 2140.7 | 2140.7 | 2137.0 | 2127.8 | 2116.7 | 2105.6 | 2072.3 | 2063.1 | 2064.9 |
| 17.5° | 2216.5 | 2211.0 | 2212.8 | 2212.8 | 2231.3 | 2207.3 | 2185.1 | 2157.4 | 2140.7 | 2135.2 | 2116.7 |
| 20° | 2292.3 | 2299.7 | 2297.9 | 2310.8 | 2321.9 | 2296.0 | 2272.0 | 2268.3 | 2222.1 | 2229.5 | 2203.6 |
| 22.5° | 2425.4 | 2419.9 | 2429.1 | 2438.4 | 2431.0 | 2427.3 | 2405.1 | 2377.4 | 2336.7 | 2318.2 | 2314.5 |
| 25° | 2565.9 | 2556.7 | 2540.0 | 2562.2 | 2573.3 | 2590.0 | 2547.4 | 2532.7 | 2469.8 | 2442.1 | 2443.9 |
| 27.5° | 2686.1 | 2699.0 | 2717.5 | 2726.8 | 2754.5 | 2748.9 | 2719.4 | 2671.3 | 2623.2 | 2591.8 | 2571.5 |
| 30° | 2850.6 | 2858.0 | 2889.4 | 2902.4 | 2950.4 | 2963.4 | 2917.2 | 2861.7 | 2776.7 | 2736.0 | 2712.0 |
| 32.5° | 3002.2 | 3054.0 | 3052.1 | 3116.8 | 3194.5 | 3248.1 | 3164.9 | 3079.9 | 2994.8 | 2946.7 | 2904.2 |
| 35° | 3248.1 | 3238.8 | 3292.4 | 3360.8 | 3486.6 | 3547.6 | 3457.0 | 3359.0 | 3229.6 | 3151.9 | 3118.7 |
| 37.5° | 3477.3 | 3481.0 | 3553.1 | 3662.2 | 3806.4 | 3900.7 | 3821.2 | 3660.3 | 3527.2 | 3427.4 | 3381.2 |
| 40° | 3810.1 | 3817.5 | 3891.4 | 4015.3 | 4177.9 | 4279.6 | 4187.2 | 4024.5 | 3847.0 | 3769.4 | 3769.4 |
| 42.5° | 4200.1 | 4231.6 | 4279.6 | 4386.8 | 4532.9 | 4645.7 | 4562.5 | 4434.9 | 4255.6 | 4155.8 | 4170.6 |
| 45° | 4601.3 | 4616.1 | 4647.5 | 4806.5 | 4874.9 | 4930.3 | 4852.7 | 4793.5 | 4673.4 | 4551.4 | 4531.0 |
| 47.5° | 4976.6 | 4982.1 | 5074.5 | 5124.5 | 5178.1 | 5131.9 | 5181.8 | 5104.1 | 4969.2 | 4850.9 | 4826.8 |
| 50° | 5142.9 | 5133.7 | 5265.0 | 5416.5 | 5457.2 | 5375.9 | 5333.4 | 5281.6 | 5076.4 | 4934.0 | 4871.2 |
| 52.5° | 4658.6 | 4712.2 | 4956.2 | 5377.7 | 5695.7 | 5764.1 | 5516.4 | 5277.9 | 4895.2 | 4617.9 | 4575.4 |
| 54° | 4104.0 | 4153.9 | 4355.4 | 4980.3 | 5642.1 | 5873.2 | 5473.9 | 4967.3 | 4427.5 | 4098.5 | 4055.9 |
| 55° | 3555.0 | 3499.5 | 3865.5 | 4503.3 | 5390.7 | 5777.0 | 5305.6 | 4566.2 | 3948.7 | 3647.4 | 3588.2 |
| 57.5° | 1924.4 | 1933.7 | 2242.4 | 2845.1 | 3787.9 | 4429.4 | 3911.7 | 3089.1 | 2333.0 | 1994.7 | 1965.1 |
| 60° | 610.1 | 624.8 | 759.8 | 1149.9 | 1809.8 | 2161.1 | 1852.3 | 1240.4 | 857.8 | 687.7 | 660.0 |
| 62.5° | 190.4 | 197.8 | 216.3 | 321.7 | 495.4 | 708.0 | 554.6 | 332.8 | 247.7 | 227.4 | 231.1 |
| 65° | 116.5 | 116.5 | 118.3 | 125.7 | 147.9 | 171.9 | 166.4 | 146.0 | 140.5 | 136.8 | 135.0 |
| 67.5° | 75.8 | 73.9 | 77.6 | 83.2 | 86.9 | 88.7 | 94.3 | 99.8 | 98.0 | 94.3 | 94.3 |
| 70° | 46.2 | 44.4 | 48.1 | 55.5 | 57.3 | 61.0 | 66.6 | 73.9 | 72.1 | 68.4 | 70.2 |
| 72.5° | 25.9 | 25.9 | 27.7 | 33.3 | 38.8 | 42.5 | 48.1 | 53.6 | 55.5 | 53.6 | 53.6 |
| 75° | 9.2 | 11.1 | 14.8 | 20.3 | 24.0 | 29.6 | 35.1 | 40.7 | 46.2 | 42.5 | 40.7 |
| 77.5° | 3.7 | 3.7 | 7.4 | 12.9 | 18.5 | 24.0 | 33.3 | 38.8 | 42.5 | 38.8 | 35.1 |
| 80° | 1.8 | 1.8 | 5.5 | 11.1 | 16.6 | 22.2 | 27.7 | 33.3 | 35.1 | 31.4 | 27.7 |
| 82.5° | 1.8 | 1.8 | 5.5 | 11.1 | 16.6 | 20.3 | 29.6 | 33.3 | 37.0 | 33.3 | 27.7 |
| 85° | 0.0 | 1.8 | 5.5 | 11.1 | 14.8 | 16.6 | 16.6 | 11.1 | 9.2 | 5.5 | 5.5 |
| 87.5° | 0.0 | 0.0 | 1.8 | 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)