

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: P532251

Luminaire Tested: **GLAN-SA7C-760-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532251
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA7C-760-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29388 lumens
Efficiency: N/A
Efficacy: 78.0 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

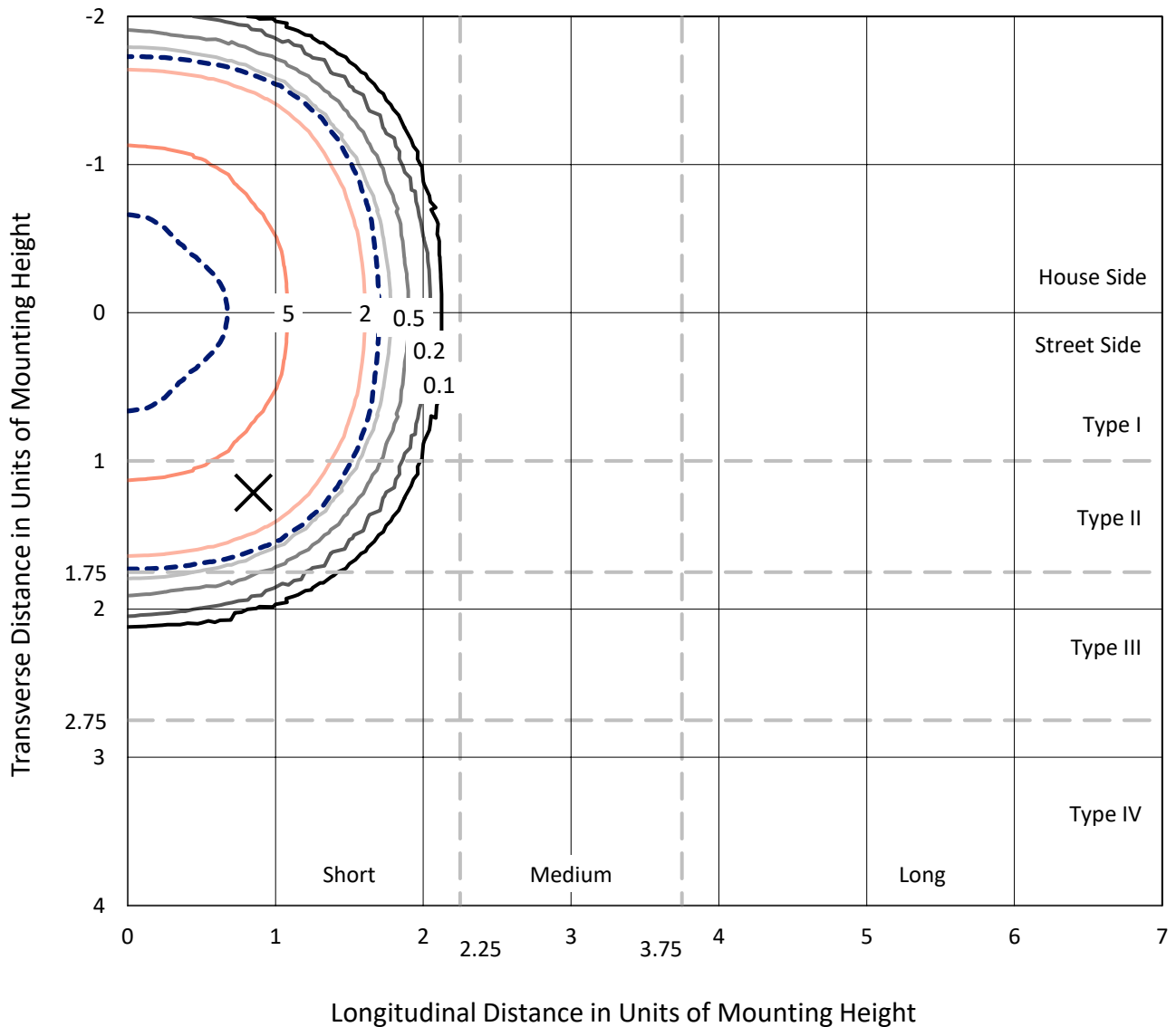
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

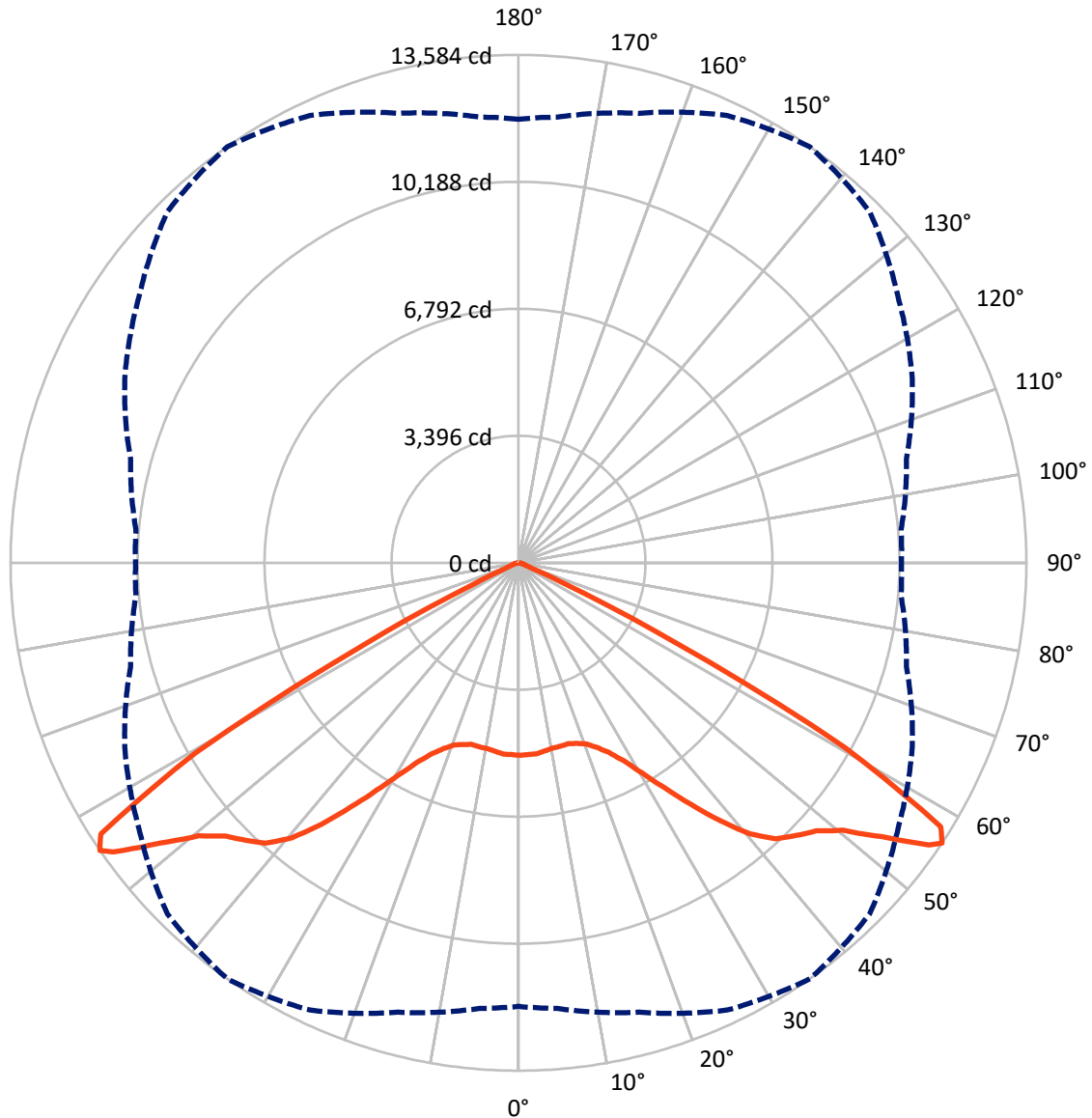
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 14694.0 | 0.0 | 14694.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 14694.0 | 0.0 | 14694.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 29388.0 | 0.0 | 29388.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 484.0 | 1.6 |
| 10°-20° | 1412.9 | 4.8 |
| 20°-30° | 2558.6 | 8.7 |
| 30°-40° | 4744.7 | 16.1 |
| 40°-50° | 7788.0 | 26.5 |
| 50°-60° | 10033.3 | 34.1 |
| 60°-70° | 2211.2 | 7.5 |
| 70°-80° | 128.3 | 0.4 |
| 80°-90° | 27.0 | 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° | 29388.0 | 100.0 |
| 0°-180° | 29388.0 | 100.0 |

Coefficient of Utilization

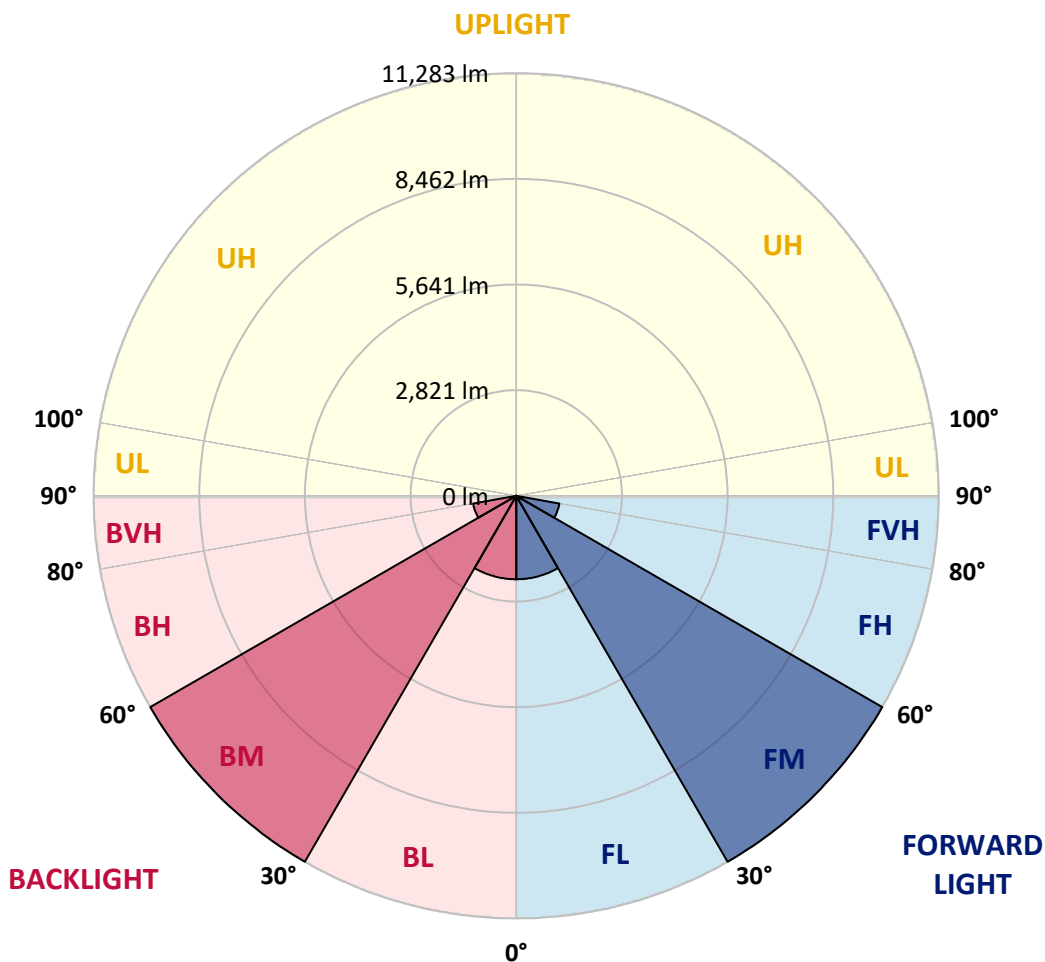


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2227.8 | 7.6 | | | |
| FM (30°-60°) | 11283.0 | 38.4 | | | |
| FH (60°-80°) | 1169.8 | 4.0 | | | G1/1800 |
| FVH (80°-90°) | 13.5 | 0.0 | | | G1/100 |
| BL (0°-30°) | 2227.8 | 7.6 | B3/2500 | | |
| BM (30°-60°) | 11283.0 | 38.4 | B5 | | |
| BH (60°-80°) | 1169.8 | 4.0 | B3/2500 | | G1/1800 |
| BVH (80°-90°) | 13.5 | 0.0 | | | 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° | 5149.4 | 5149.4 | 5149.4 | 5149.4 | 5149.4 | 5149.4 | 5149.4 | 5149.4 | 5149.4 | 5149.4 | 5149.4 |
| 2.5° | 5160.1 | 5160.1 | 5165.4 | 5170.7 | 5133.4 | 5117.5 | 5122.8 | 5112.1 | 5106.8 | 5122.8 | 5122.8 |
| 5° | 5144.1 | 5144.1 | 5128.1 | 5133.4 | 5133.4 | 5085.5 | 5085.5 | 5096.2 | 5096.2 | 5064.2 | 5053.6 |
| 7.5° | 5101.5 | 5090.8 | 5069.5 | 5096.2 | 5080.2 | 5080.2 | 5042.9 | 5016.3 | 5005.6 | 5026.9 | 5005.6 |
| 10° | 5011.0 | 5016.3 | 5037.6 | 5048.2 | 5037.6 | 5069.5 | 5005.6 | 4968.4 | 4931.1 | 4915.1 | 4915.1 |
| 12.5° | 4968.4 | 5000.3 | 4968.4 | 4995.0 | 5032.3 | 5005.6 | 4968.4 | 4941.7 | 4888.5 | 4867.2 | 4867.2 |
| 15° | 4963.0 | 4984.3 | 4995.0 | 5032.3 | 5016.3 | 5026.9 | 4952.4 | 4920.4 | 4840.6 | 4803.3 | 4787.3 |
| 17.5° | 4957.7 | 4984.3 | 5000.3 | 5069.5 | 5080.2 | 5085.5 | 5026.9 | 4931.1 | 4861.9 | 4824.6 | 4787.3 |
| 20° | 5016.3 | 5026.9 | 5058.9 | 5128.1 | 5170.7 | 5245.3 | 5138.8 | 5037.6 | 4888.5 | 4845.9 | 4829.9 |
| 22.5° | 5090.8 | 5144.1 | 5176.0 | 5250.6 | 5362.4 | 5426.3 | 5287.9 | 5160.1 | 5005.6 | 4952.4 | 4888.5 |
| 25° | 5330.5 | 5319.8 | 5373.1 | 5527.5 | 5618.0 | 5665.9 | 5554.1 | 5367.7 | 5165.4 | 5101.5 | 5112.1 |
| 27.5° | 5628.7 | 5639.3 | 5687.2 | 5857.7 | 5990.8 | 6065.3 | 5932.2 | 5687.2 | 5490.2 | 5383.7 | 5373.1 |
| 30° | 6017.4 | 6006.8 | 6060.0 | 6289.0 | 6528.6 | 6640.4 | 6406.1 | 6118.6 | 5926.9 | 5788.4 | 5820.4 |
| 32.5° | 6427.4 | 6432.8 | 6581.9 | 6789.6 | 7178.3 | 7396.6 | 7018.5 | 6667.1 | 6379.5 | 6283.7 | 6235.7 |
| 35° | 7034.5 | 7061.1 | 7178.3 | 7497.8 | 7929.1 | 8211.4 | 7796.0 | 7375.3 | 7045.2 | 6869.4 | 6890.7 |
| 37.5° | 7785.4 | 7758.7 | 7955.8 | 8301.9 | 8754.5 | 8962.2 | 8610.8 | 8131.5 | 7796.0 | 7678.9 | 7753.4 |
| 40° | 8584.1 | 8610.8 | 8711.9 | 9026.1 | 9532.0 | 9670.5 | 9148.6 | 8887.7 | 8594.8 | 8536.2 | 8626.7 |
| 42.5° | 9382.9 | 9366.9 | 9441.5 | 9723.7 | 10091.1 | 9995.3 | 9686.4 | 9532.0 | 9324.3 | 9207.2 | 9329.6 |
| 45° | 9968.7 | 9942.0 | 10080.5 | 10272.2 | 10405.3 | 10224.3 | 10085.8 | 10032.6 | 9926.1 | 9798.3 | 9910.1 |
| 47.5° | 10538.5 | 10517.1 | 10650.3 | 10703.5 | 10714.2 | 10474.5 | 10501.2 | 10597.0 | 10330.8 | 10064.5 | 10192.3 |
| 50° | 11023.0 | 10985.8 | 11150.8 | 11268.0 | 11241.4 | 10858.0 | 10953.8 | 10858.0 | 10442.6 | 10128.4 | 10080.5 |
| 52.5° | 11832.5 | 11848.4 | 12024.2 | 12237.2 | 12173.3 | 11853.8 | 11715.3 | 11278.6 | 10746.1 | 10463.9 | 10298.8 |
| 55° | 12343.7 | 12263.8 | 12567.3 | 13243.6 | 13318.2 | 12988.0 | 12375.6 | 11731.3 | 10932.5 | 10586.4 | 10543.8 |
| 56° | 11864.4 | 11965.6 | 12444.9 | 13201.0 | 13584.4 | 13280.9 | 12391.6 | 11619.5 | 10740.8 | 10272.2 | 10240.2 |
| 57.5° | 10645.0 | 10591.7 | 11241.4 | 12274.4 | 13318.2 | 13190.4 | 11954.9 | 10820.7 | 9798.3 | 9271.1 | 9207.2 |
| 60° | 6624.5 | 6778.9 | 7348.7 | 8626.7 | 10021.9 | 10085.8 | 8861.0 | 7886.5 | 6693.7 | 6225.1 | 6336.9 |
| 62.5° | 2593.3 | 2460.2 | 2817.0 | 3770.2 | 4728.7 | 4941.7 | 4478.4 | 3722.3 | 3056.6 | 2593.3 | 2561.4 |
| 65° | 601.7 | 585.8 | 660.3 | 910.6 | 1272.7 | 1475.1 | 1400.5 | 1006.5 | 740.2 | 702.9 | 649.7 |
| 67.5° | 340.8 | 340.8 | 324.8 | 324.8 | 356.8 | 378.1 | 362.1 | 356.8 | 372.8 | 388.7 | 383.4 |
| 70° | 239.6 | 234.3 | 223.7 | 229.0 | 218.3 | 218.3 | 234.3 | 260.9 | 282.2 | 282.2 | 287.6 |
| 72.5° | 143.8 | 143.8 | 143.8 | 159.8 | 159.8 | 159.8 | 175.7 | 197.0 | 202.4 | 197.0 | 191.7 |
| 75° | 63.9 | 63.9 | 74.6 | 90.5 | 101.2 | 106.5 | 122.5 | 133.1 | 143.8 | 133.1 | 122.5 |
| 77.5° | 16.0 | 16.0 | 26.6 | 37.3 | 47.9 | 58.6 | 79.9 | 95.9 | 101.2 | 95.9 | 79.9 |
| 80° | 5.3 | 5.3 | 10.7 | 26.6 | 47.9 | 58.6 | 79.9 | 85.2 | 90.5 | 79.9 | 63.9 |
| 82.5° | 5.3 | 5.3 | 10.7 | 26.6 | 37.3 | 47.9 | 63.9 | 74.6 | 79.9 | 69.2 | 63.9 |
| 85° | 0.0 | 5.3 | 10.7 | 21.3 | 32.0 | 42.6 | 42.6 | 32.0 | 26.6 | 16.0 | 21.3 |
| 87.5° | 0.0 | 0.0 | 5.3 | 5.3 | 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)