

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: P940220

Luminaire Tested: **GLAN-SB3A-940-U-5WQ**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P940220  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3A-940-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 9865 lumens  
Efficiency: N/A  
Efficacy: 116.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

Input Watts (W): 84.7  
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



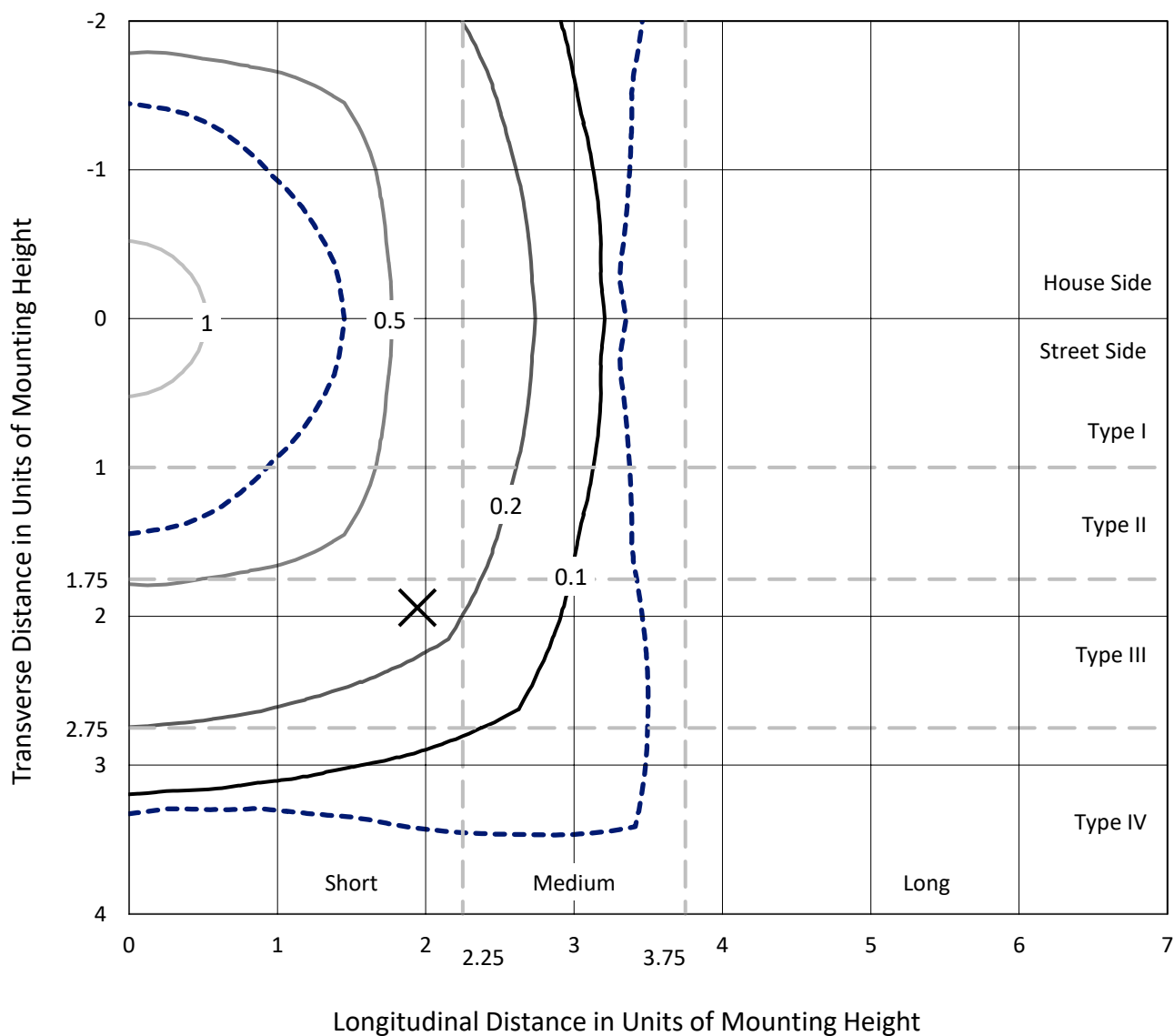
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

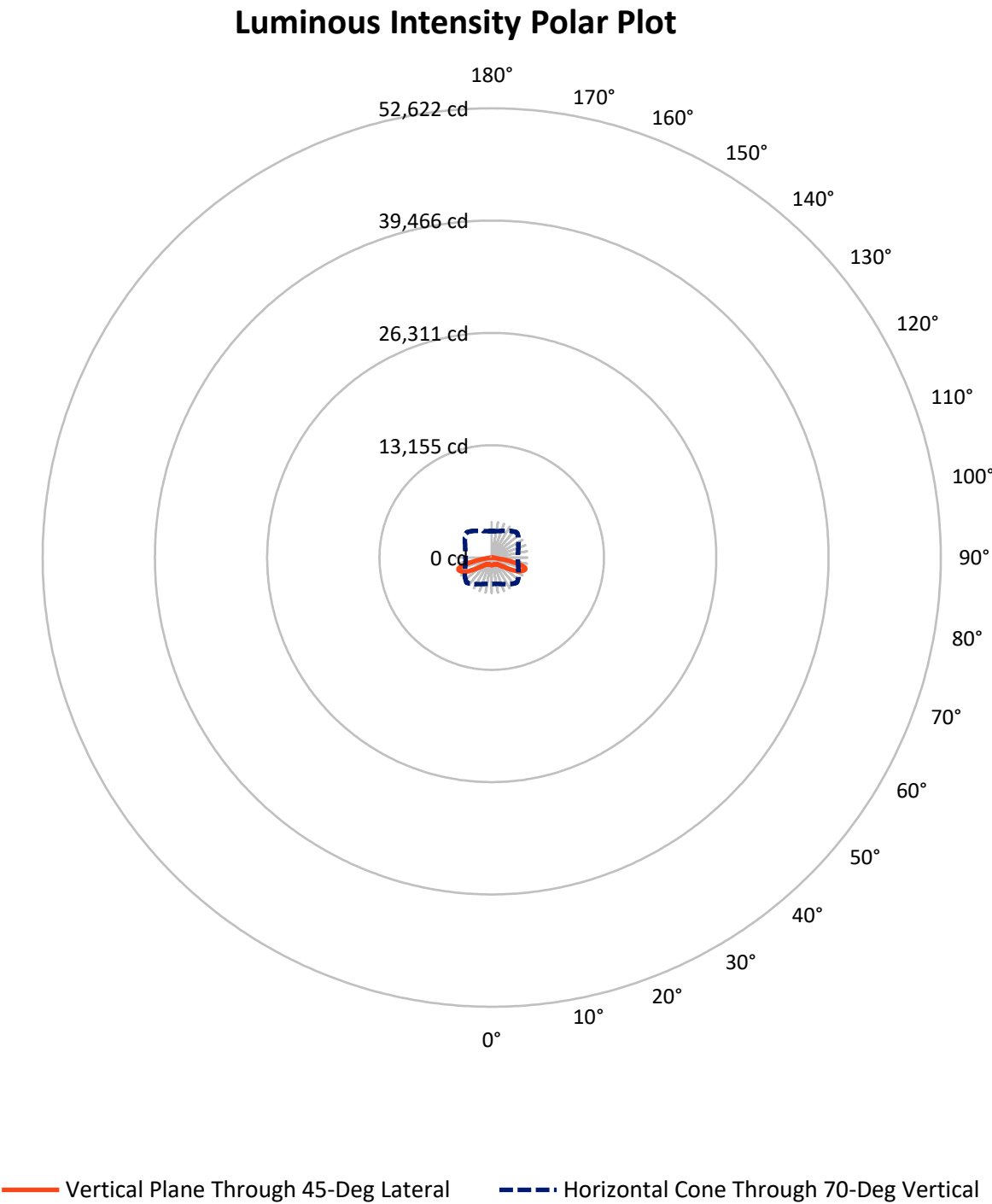
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc

Type V - Short - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 4932.5   | 0.0    | 4932.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 4932.5   | 0.0    | 4932.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 9865.0   | 0.0    | 9865.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 83.7   | 0.8       |
| 10°-20°   | 245.8  | 2.5       |
| 20°-30°   | 409.0  | 4.1       |
| 30°-40°   | 618.6  | 6.3       |
| 40°-50°   | 1027.9 | 10.4      |
| 50°-60°   | 1939.7 | 19.7      |
| 60°-70°   | 3275.3 | 33.2      |
| 70°-80°   | 2152.2 | 21.8      |
| 80°-90°   | 112.8  | 1.1       |
| 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°    | 9865.0 | 100.0     |
| 0°-180°   | 9865.0 | 100.0     |

**Coefficient of Utilization**



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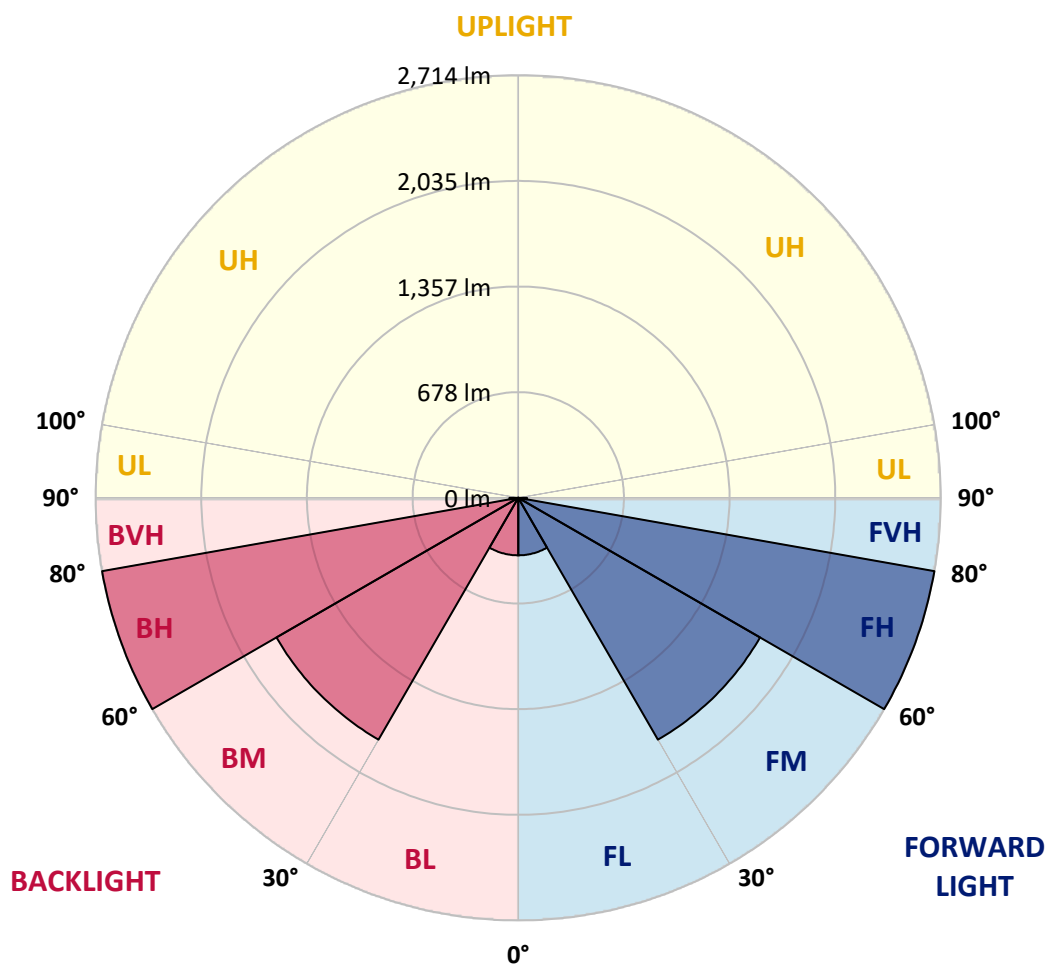
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 369.3  | 3.7       |                         |      |         |
| FM   | (30°-60°)   | 1793.1 | 18.2      |                         |      |         |
| FH   | (60°-80°)   | 2713.7 | 27.5      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 56.4   | 0.6       |                         |      | G1/100  |
| BL   | (0°-30°)    | 369.3  | 3.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 1793.1 | 18.2      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 2713.7 | 27.5      | B4/5000                 |      | G2/5000 |
| BVH  | (80°-90°)   | 56.4   | 0.6       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 899.9  | 899.9  | 899.9  | 899.9  | 899.9  | 899.9  | 899.9  | 899.9  | 899.9  | 899.9  |
| 2.5°  | 894.2  | 896.8  | 895.8  | 893.7  | 893.7  | 892.2  | 893.7  | 894.8  | 896.3  | 897.3  |
| 5°    | 882.5  | 884.5  | 884.0  | 882.5  | 883.0  | 881.4  | 882.5  | 884.0  | 885.0  | 885.5  |
| 7.5°  | 872.2  | 874.2  | 873.2  | 870.7  | 870.7  | 869.1  | 869.6  | 871.2  | 872.7  | 873.2  |
| 10°   | 869.6  | 871.7  | 868.6  | 864.5  | 863.0  | 860.9  | 861.4  | 863.0  | 866.0  | 867.6  |
| 12.5° | 870.7  | 872.2  | 869.1  | 863.0  | 861.4  | 859.4  | 859.4  | 860.9  | 865.0  | 867.1  |
| 15°   | 873.7  | 875.3  | 870.7  | 864.0  | 862.5  | 860.9  | 860.4  | 862.5  | 867.1  | 870.7  |
| 17.5° | 879.4  | 880.9  | 873.7  | 864.5  | 862.5  | 863.0  | 862.5  | 864.0  | 871.2  | 877.8  |
| 20°   | 884.5  | 885.5  | 875.8  | 864.5  | 862.5  | 863.0  | 862.5  | 865.5  | 874.8  | 884.0  |
| 22.5° | 886.0  | 887.1  | 877.8  | 868.1  | 866.6  | 867.1  | 866.6  | 869.6  | 878.4  | 887.6  |
| 25°   | 886.6  | 888.1  | 880.9  | 873.2  | 875.8  | 876.8  | 875.8  | 876.3  | 883.0  | 891.2  |
| 27.5° | 894.2  | 896.3  | 889.6  | 883.0  | 884.5  | 884.0  | 885.5  | 887.1  | 892.2  | 900.4  |
| 30°   | 910.1  | 911.7  | 906.0  | 899.4  | 898.3  | 894.8  | 899.4  | 904.5  | 910.1  | 917.3  |
| 32.5° | 936.3  | 939.4  | 932.2  | 925.0  | 920.4  | 918.3  | 921.9  | 930.7  | 938.3  | 946.0  |
| 35°   | 979.9  | 981.9  | 975.3  | 961.9  | 953.7  | 953.7  | 956.8  | 968.1  | 980.4  | 990.1  |
| 37.5° | 1041.4 | 1044.0 | 1032.2 | 1016.3 | 1004.0 | 1004.0 | 1008.1 | 1019.9 | 1038.3 | 1052.2 |
| 40°   | 1116.3 | 1119.9 | 1105.0 | 1088.6 | 1076.8 | 1074.7 | 1079.9 | 1093.2 | 1110.6 | 1128.1 |
| 42.5° | 1206.5 | 1210.6 | 1191.1 | 1176.8 | 1167.5 | 1167.5 | 1170.1 | 1182.4 | 1198.3 | 1219.8 |
| 45°   | 1321.9 | 1329.1 | 1302.4 | 1288.0 | 1279.3 | 1281.4 | 1282.9 | 1293.7 | 1308.0 | 1332.7 |
| 47.5° | 1459.3 | 1466.5 | 1438.3 | 1423.4 | 1421.9 | 1431.6 | 1425.5 | 1433.2 | 1440.8 | 1469.0 |
| 50°   | 1615.2 | 1627.5 | 1608.0 | 1607.0 | 1610.1 | 1628.0 | 1613.6 | 1617.7 | 1609.0 | 1627.0 |
| 52.5° | 1805.9 | 1823.9 | 1820.3 | 1826.4 | 1860.8 | 1897.7 | 1864.9 | 1850.5 | 1817.7 | 1823.4 |
| 55°   | 2037.2 | 2064.4 | 2069.5 | 2106.4 | 2184.3 | 2259.7 | 2190.0 | 2132.0 | 2062.3 | 2049.5 |
| 57.5° | 2300.2 | 2321.8 | 2346.4 | 2421.7 | 2567.4 | 2701.2 | 2567.4 | 2439.2 | 2329.5 | 2303.3 |
| 60°   | 2583.3 | 2609.9 | 2633.5 | 2744.8 | 2961.2 | 3149.3 | 2957.1 | 2753.5 | 2608.4 | 2573.0 |
| 62.5° | 2887.3 | 2921.7 | 2938.1 | 3061.7 | 3313.9 | 3538.5 | 3317.5 | 3070.9 | 2909.9 | 2871.9 |
| 65°   | 3179.1 | 3207.3 | 3225.7 | 3357.5 | 3598.5 | 3823.6 | 3614.9 | 3371.9 | 3206.3 | 3156.5 |
| 67.5° | 3315.0 | 3330.3 | 3375.5 | 3524.7 | 3779.0 | 4035.9 | 3822.1 | 3540.6 | 3355.5 | 3268.3 |
| 70°   | 3116.0 | 3084.7 | 3193.4 | 3432.4 | 3800.5 | 4166.1 | 3849.8 | 3425.2 | 3198.6 | 3057.1 |
| 72.5° | 2407.9 | 2354.1 | 2542.8 | 2951.4 | 3554.4 | 4083.1 | 3579.0 | 2974.5 | 2660.2 | 2373.0 |
| 75°   | 1310.1 | 1249.1 | 1509.6 | 2026.4 | 2834.5 | 3539.0 | 2899.6 | 2084.4 | 1680.8 | 1300.3 |
| 77.5° | 369.7  | 346.6  | 556.9  | 980.4  | 1704.9 | 2484.8 | 1770.5 | 1001.9 | 660.4  | 391.7  |
| 80°   | 113.3  | 109.7  | 148.7  | 295.3  | 724.0  | 1190.1 | 695.8  | 298.9  | 189.2  | 119.5  |
| 82.5° | 67.2   | 61.5   | 73.8   | 107.7  | 184.6  | 373.8  | 179.5  | 112.3  | 90.2   | 60.5   |
| 85°   | 38.5   | 35.9   | 43.6   | 52.3   | 62.0   | 79.5   | 51.8   | 53.3   | 48.2   | 32.3   |
| 87.5° | 15.9   | 14.4   | 16.9   | 16.4   | 14.4   | 18.5   | 13.8   | 16.4   | 19.5   | 12.8   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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| 90°    |
|--------|
| 899.9  |
| 896.8  |
| 885.5  |
| 873.2  |
| 867.6  |
| 867.6  |
| 871.2  |
| 877.8  |
| 884.5  |
| 887.6  |
| 890.7  |
| 898.3  |
| 915.8  |
| 943.0  |
| 986.5  |
| 1047.0 |
| 1122.4 |
| 1218.3 |
| 1331.6 |
| 1460.8 |
| 1616.2 |
| 1804.4 |
| 2029.5 |
| 2284.8 |
| 2542.2 |
| 2841.2 |
| 3131.9 |
| 3269.3 |
| 3090.9 |
| 2444.3 |
| 1385.0 |
| 435.3  |
| 126.1  |
| 65.6   |
| 33.8   |
| 11.8   |
| 0.0    |

OF REPORT)