

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: P943790

Luminaire Tested: **GLAN-SB8B-940-U-5WQ**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P943790  
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-SB8B-940-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 33375 lumens  
Efficiency: N/A  
Efficacy: 114.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

Input Watts (W): 292.8  
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

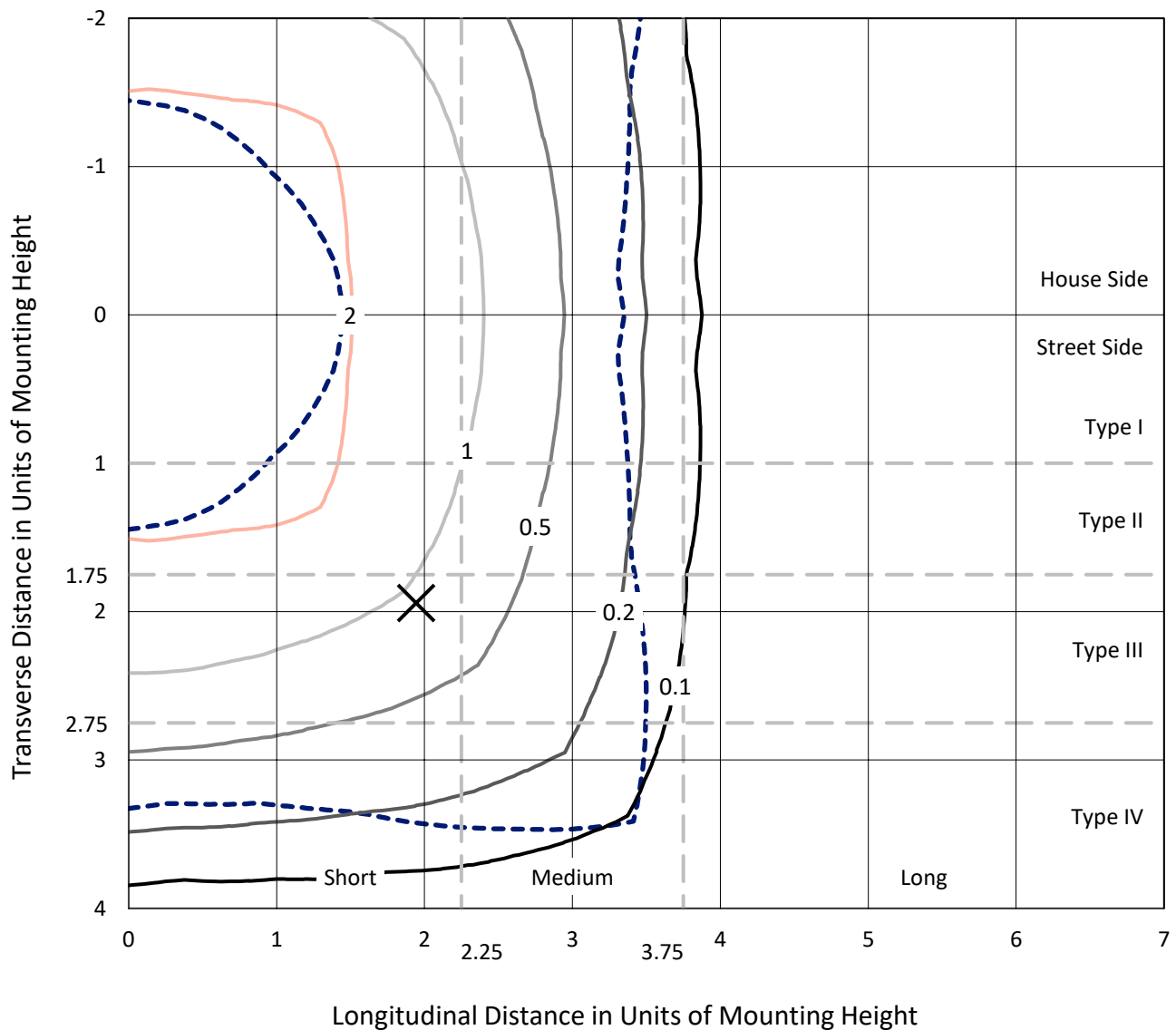


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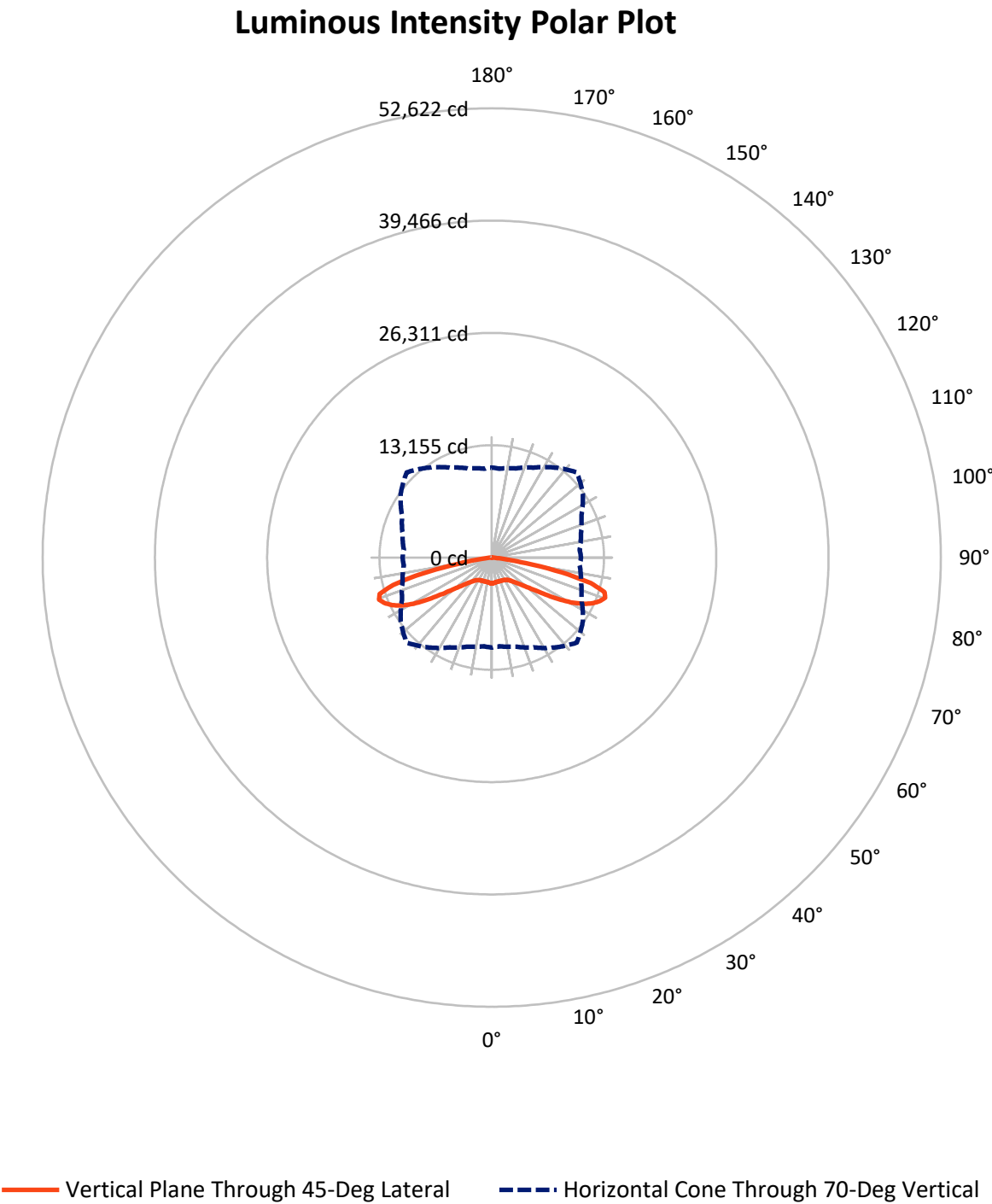
## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc  
Type V - Short - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 16687.5  | 0.0    | 16687.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 16687.5  | 0.0    | 16687.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 33375.0  | 0.0    | 33375.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 283.2   | 0.8       |
| 10°-20°   | 831.6   | 2.5       |
| 20°-30°   | 1383.8  | 4.1       |
| 30°-40°   | 2092.8  | 6.3       |
| 40°-50°   | 3477.7  | 10.4      |
| 50°-60°   | 6562.4  | 19.7      |
| 60°-70°   | 11080.8 | 33.2      |
| 70°-80°   | 7281.2  | 21.8      |
| 80°-90°   | 381.5   | 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°    | 33375.0 | 100.0     |
| 0°-180°   | 33375.0 | 100.0     |

**Coefficient of Utilization**



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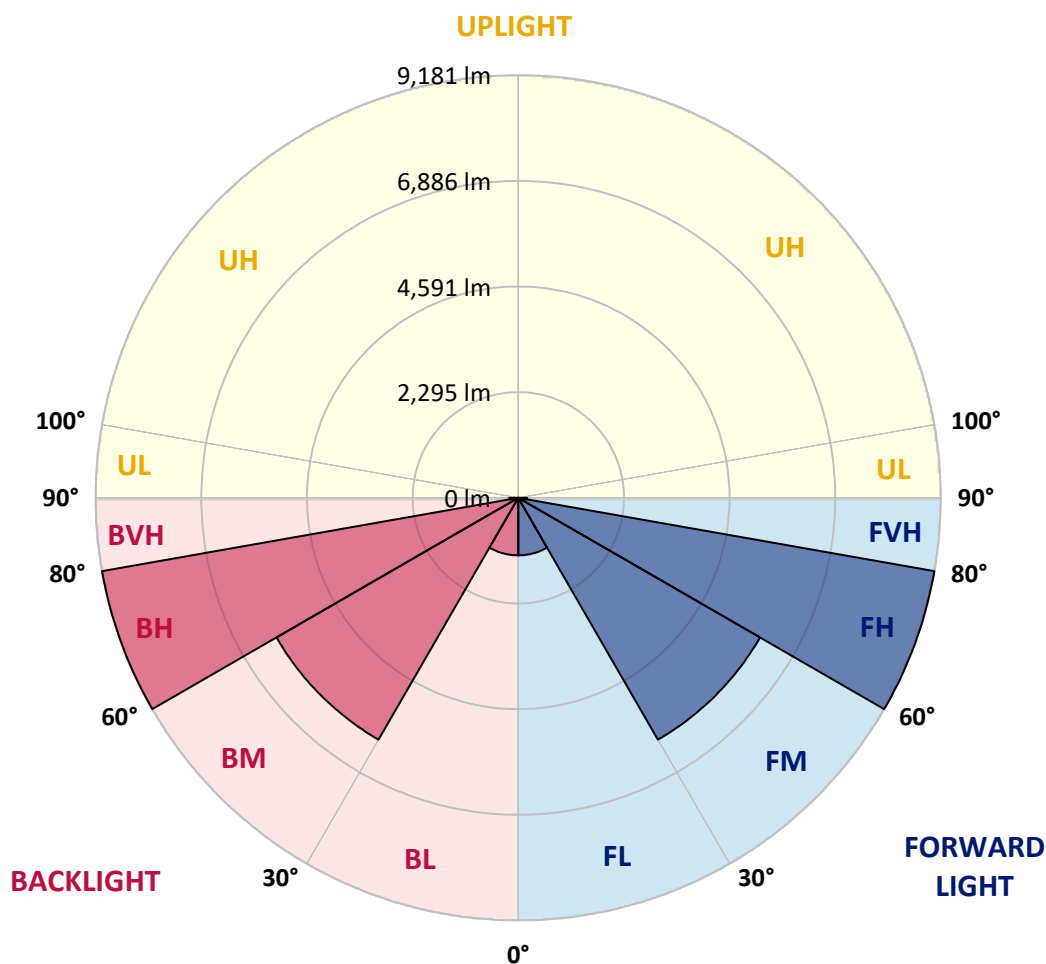
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|--------|-----------|-------------------------|------|----------|
|      |             |        |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1249.3 | 3.7       |                         |      |          |
| FM   | (30°-60°)   | 6066.4 | 18.2      |                         |      |          |
| FH   | (60°-80°)   | 9181.0 | 27.5      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 190.7  | 0.6       |                         |      | G2/225   |
| BL   | (0°-30°)    | 1249.3 | 3.7       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 6066.4 | 18.2      | B4/8500                 |      |          |
| BH   | (60°-80°)   | 9181.0 | 27.5      | B5                      |      | G4/12000 |
| BVH  | (80°-90°)   | 190.7  | 0.6       |                         |      | G2/225   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |          |

**BUG Rating: B5-U0-G4**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3044.5  | 3044.5  | 3044.5  | 3044.5  | 3044.5  | 3044.5  | 3044.5  | 3044.5  | 3044.5  | 3044.5  |
| 2.5°  | 3025.4  | 3034.1  | 3030.6  | 3023.7  | 3023.7  | 3018.5  | 3023.7  | 3027.1  | 3032.3  | 3035.8  |
| 5°    | 2985.5  | 2992.4  | 2990.7  | 2985.5  | 2987.2  | 2982.0  | 2985.5  | 2990.7  | 2994.2  | 2995.9  |
| 7.5°  | 2950.8  | 2957.7  | 2954.3  | 2945.6  | 2945.6  | 2940.4  | 2942.1  | 2947.3  | 2952.5  | 2954.3  |
| 10°   | 2942.1  | 2949.1  | 2938.7  | 2924.8  | 2919.6  | 2912.6  | 2914.4  | 2919.6  | 2930.0  | 2935.2  |
| 12.5° | 2945.6  | 2950.8  | 2940.4  | 2919.6  | 2914.4  | 2907.4  | 2907.4  | 2912.6  | 2926.5  | 2933.4  |
| 15°   | 2956.0  | 2961.2  | 2945.6  | 2923.0  | 2917.8  | 2912.6  | 2910.9  | 2917.8  | 2933.4  | 2945.6  |
| 17.5° | 2975.1  | 2980.3  | 2956.0  | 2924.8  | 2917.8  | 2919.6  | 2917.8  | 2923.0  | 2947.3  | 2969.9  |
| 20°   | 2992.4  | 2995.9  | 2962.9  | 2924.8  | 2917.8  | 2919.6  | 2917.8  | 2928.2  | 2959.5  | 2990.7  |
| 22.5° | 2997.6  | 3001.1  | 2969.9  | 2936.9  | 2931.7  | 2933.4  | 2931.7  | 2942.1  | 2971.6  | 3002.8  |
| 25°   | 2999.4  | 3004.6  | 2980.3  | 2954.3  | 2962.9  | 2966.4  | 2962.9  | 2964.7  | 2987.2  | 3015.0  |
| 27.5° | 3025.4  | 3032.3  | 3009.8  | 2987.2  | 2992.4  | 2990.7  | 2995.9  | 3001.1  | 3018.5  | 3046.2  |
| 30°   | 3079.2  | 3084.4  | 3065.3  | 3042.7  | 3039.3  | 3027.1  | 3042.7  | 3060.1  | 3079.2  | 3103.5  |
| 32.5° | 3167.6  | 3178.0  | 3153.8  | 3129.5  | 3113.9  | 3106.9  | 3119.1  | 3148.6  | 3174.6  | 3200.6  |
| 35°   | 3315.1  | 3322.0  | 3299.5  | 3254.4  | 3226.6  | 3226.6  | 3237.0  | 3275.2  | 3316.8  | 3349.8  |
| 37.5° | 3523.3  | 3531.9  | 3492.0  | 3438.3  | 3396.6  | 3396.6  | 3410.5  | 3450.4  | 3512.9  | 3559.7  |
| 40°   | 3776.5  | 3788.7  | 3738.4  | 3682.9  | 3643.0  | 3636.0  | 3653.4  | 3698.5  | 3757.5  | 3816.4  |
| 42.5° | 4081.8  | 4095.7  | 4029.8  | 3981.2  | 3950.0  | 3950.0  | 3958.7  | 4000.3  | 4054.1  | 4127.0  |
| 45°   | 4472.2  | 4496.5  | 4406.2  | 4357.7  | 4328.2  | 4335.1  | 4340.3  | 4376.8  | 4425.3  | 4508.6  |
| 47.5° | 4937.1  | 4961.4  | 4866.0  | 4815.6  | 4810.4  | 4843.4  | 4822.6  | 4848.6  | 4874.6  | 4970.0  |
| 50°   | 5464.4  | 5506.1  | 5440.2  | 5436.7  | 5447.1  | 5507.8  | 5459.2  | 5473.1  | 5443.6  | 5504.3  |
| 52.5° | 6109.8  | 6170.5  | 6158.3  | 6179.2  | 6295.4  | 6420.3  | 6309.3  | 6260.7  | 6149.7  | 6168.7  |
| 55°   | 6892.1  | 6984.1  | 7001.4  | 7126.3  | 7390.0  | 7645.0  | 7409.1  | 7213.1  | 6977.1  | 6933.8  |
| 57.5° | 7782.1  | 7854.9  | 7938.2  | 8193.2  | 8685.9  | 9138.6  | 8685.9  | 8252.2  | 7880.9  | 7792.5  |
| 60°   | 8739.6  | 8829.8  | 8909.6  | 9286.1  | 10018.1 | 10654.8 | 10004.3 | 9315.6  | 8824.6  | 8704.9  |
| 62.5° | 9768.3  | 9884.6  | 9940.1  | 10358.1 | 11211.6 | 11971.5 | 11223.8 | 10389.4 | 9844.7  | 9716.3  |
| 65°   | 10755.4 | 10850.8 | 10913.3 | 11359.1 | 12174.4 | 12936.0 | 12229.9 | 11407.7 | 10847.3 | 10679.1 |
| 67.5° | 11215.1 | 11267.1 | 11419.8 | 11924.6 | 12785.0 | 13654.2 | 12930.8 | 11978.4 | 11352.2 | 11057.2 |
| 70°   | 10542.0 | 10436.2 | 10804.0 | 11612.4 | 12857.9 | 14094.8 | 13024.4 | 11588.1 | 10821.3 | 10342.5 |
| 72.5° | 8146.3  | 7964.2  | 8602.6  | 9985.2  | 12025.2 | 13813.7 | 12108.5 | 10063.2 | 8999.8  | 8028.4  |
| 75°   | 4432.3  | 4225.8  | 5107.1  | 6855.7  | 9589.7  | 11973.2 | 9810.0  | 7051.7  | 5686.5  | 4399.3  |
| 77.5° | 1250.7  | 1172.7  | 1883.9  | 3316.8  | 5768.0  | 8406.6  | 5990.1  | 3389.7  | 2234.3  | 1325.3  |
| 80°   | 383.4   | 371.2   | 503.1   | 999.2   | 2449.5  | 4026.3  | 2354.0  | 1011.4  | 640.1   | 404.2   |
| 82.5° | 227.3   | 208.2   | 249.8   | 364.3   | 624.5   | 1264.6  | 607.2   | 379.9   | 305.3   | 204.7   |
| 85°   | 130.1   | 121.4   | 147.5   | 176.9   | 209.9   | 268.9   | 175.2   | 180.4   | 163.1   | 109.3   |
| 87.5° | 53.8    | 48.6    | 57.2    | 55.5    | 48.6    | 62.5    | 46.8    | 55.5    | 65.9    | 43.4    |
| 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°     |
|---------|
| 3044.5  |
| 3034.1  |
| 2995.9  |
| 2954.3  |
| 2935.2  |
| 2935.2  |
| 2947.3  |
| 2969.9  |
| 2992.4  |
| 3002.8  |
| 3013.2  |
| 3039.3  |
| 3098.2  |
| 3190.2  |
| 3337.6  |
| 3542.3  |
| 3797.3  |
| 4121.7  |
| 4505.1  |
| 4942.3  |
| 5467.9  |
| 6104.6  |
| 6866.1  |
| 7730.0  |
| 8600.9  |
| 9612.2  |
| 10595.8 |
| 11060.7 |
| 10457.0 |
| 8269.5  |
| 4685.5  |
| 1472.8  |
| 426.7   |
| 222.0   |
| 114.5   |
| 39.9    |
| 0.0     |