

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: P948929

Luminaire Tested: **GLAN-SB3D-830-U-RW**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P948929  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3D-830-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

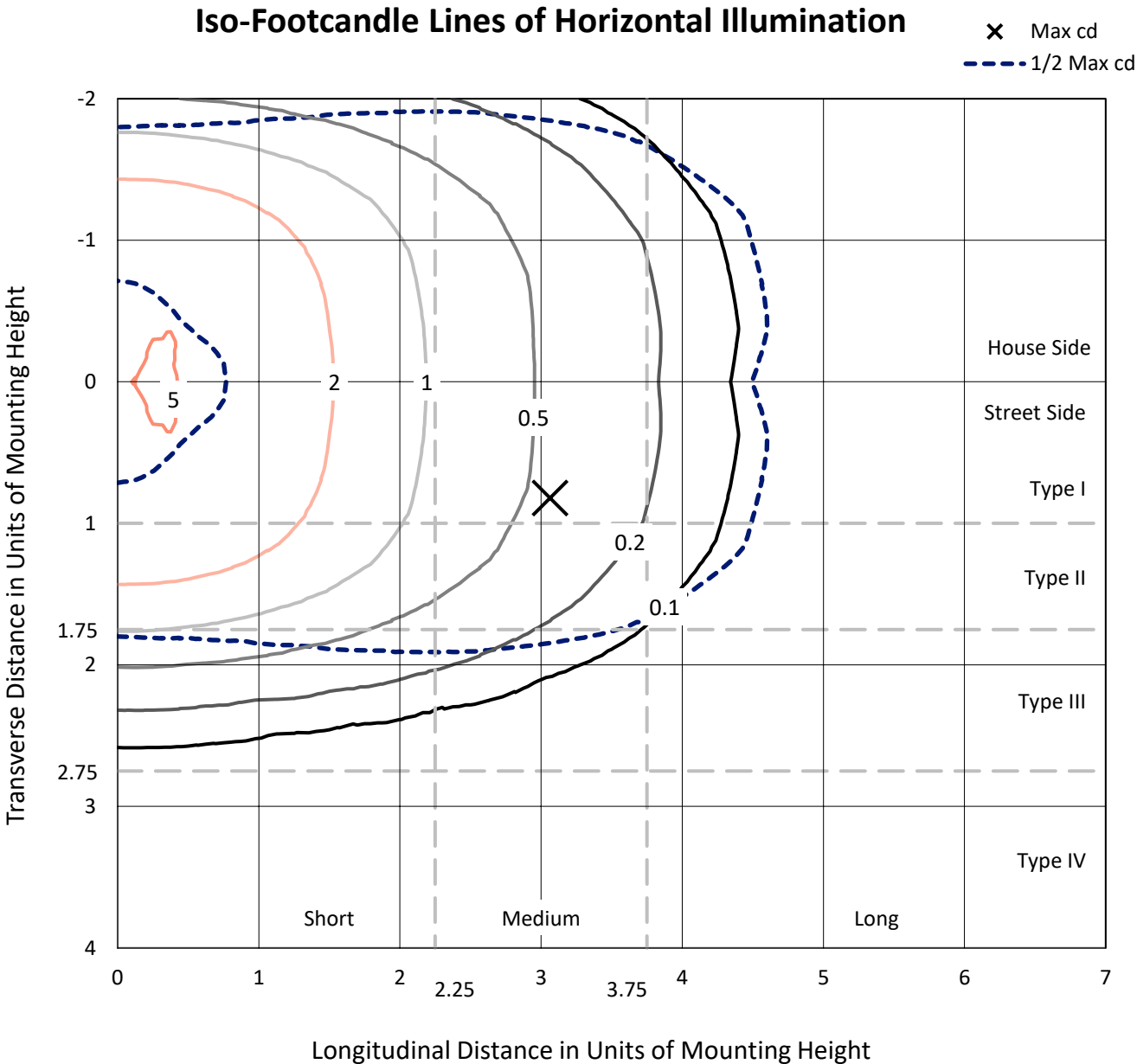
### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 28251 lumens  
Efficiency: N/A  
Efficacy: 129.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B4 - U0 - G4

Input Watts (W): 218.1  
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



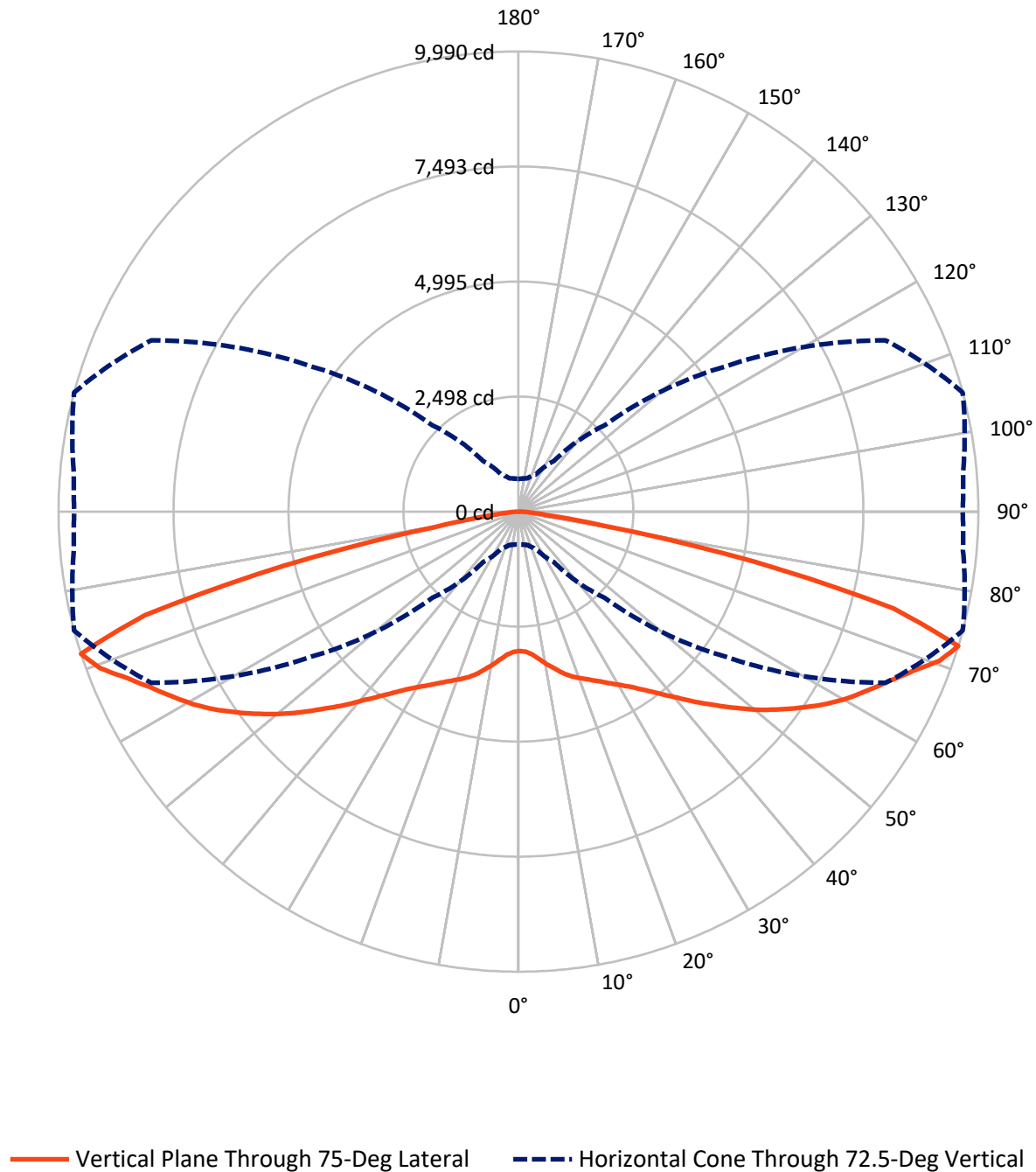
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CATALOG NUMBER: GLAN-SB3D-830-U-RW



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc  
Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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CATALOG NUMBER: GLAN-SB3D-830-U-RW

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 14125.5  | 0.0    | 14125.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 14125.5  | 0.0    | 14125.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 28251.0  | 0.0    | 28251.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 296.4   | 1.0       |
| 10°-20°   | 977.7   | 3.5       |
| 20°-30°   | 1889.2  | 6.7       |
| 30°-40°   | 3190.1  | 11.3      |
| 40°-50°   | 5059.2  | 17.9      |
| 50°-60°   | 6773.6  | 24.0      |
| 60°-70°   | 6446.3  | 22.8      |
| 70°-80°   | 3363.8  | 11.9      |
| 80°-90°   | 254.6   | 0.9       |
| 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°    | 28251.0 | 100.0     |
| 0°-180°   | 28251.0 | 100.0     |

**Coefficient of Utilization**



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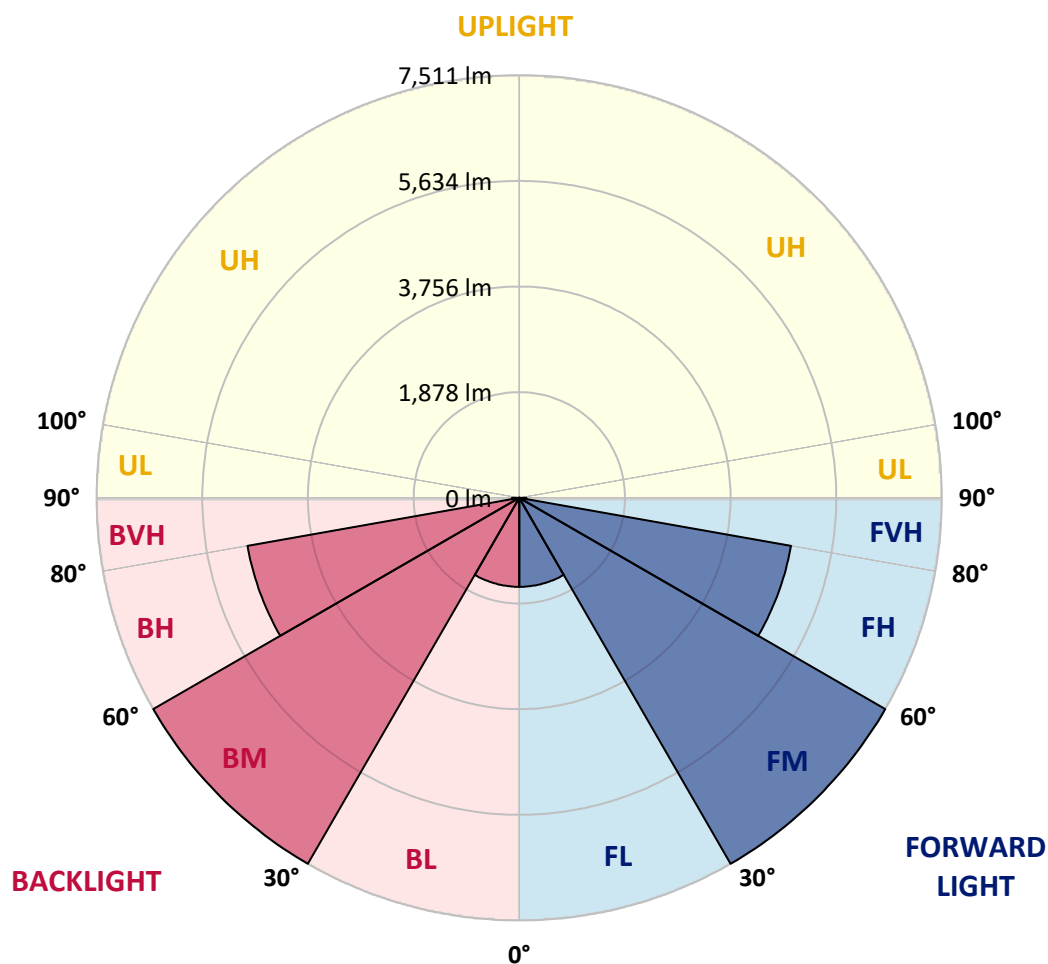
CATALOG NUMBER: GLAN-SB3D-830-U-RW

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1581.7 | 5.6       |                         |      |         |
| FM   | (30°-60°)   | 7511.4 | 26.6      |                         |      |         |
| FH   | (60°-80°)   | 4905.0 | 17.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 127.3  | 0.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1581.7 | 5.6       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 7511.4 | 26.6      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 4905.0 | 17.4      | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 127.3  | 0.5       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G4**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3026.2 | 3026.2 | 3026.2 | 3026.2 | 3026.2 | 3026.2 | 3026.2 | 3026.2 | 3026.2 | 3026.2 |
| 2.5°  | 3026.2 | 3023.3 | 3026.2 | 3029.1 | 3027.6 | 3027.6 | 3034.8 | 3039.2 | 3047.8 | 3046.4 |
| 5°    | 3006.0 | 3004.6 | 3016.1 | 3029.1 | 3039.2 | 3056.5 | 3078.1 | 3094.0 | 3114.2 | 3118.5 |
| 7.5°  | 2995.9 | 2991.6 | 3011.8 | 3034.8 | 3066.6 | 3109.8 | 3151.7 | 3195.0 | 3229.6 | 3241.1 |
| 10°   | 3003.1 | 3004.6 | 3032.0 | 3075.2 | 3125.7 | 3186.3 | 3245.4 | 3319.0 | 3368.0 | 3379.6 |
| 12.5° | 3036.3 | 3033.4 | 3079.6 | 3148.8 | 3218.0 | 3294.5 | 3363.7 | 3444.5 | 3497.9 | 3525.3 |
| 15°   | 3096.9 | 3091.1 | 3156.0 | 3258.4 | 3359.4 | 3448.8 | 3505.1 | 3581.5 | 3643.5 | 3678.2 |
| 17.5° | 3169.0 | 3171.9 | 3257.0 | 3389.7 | 3522.4 | 3623.3 | 3676.7 | 3715.7 | 3763.3 | 3793.6 |
| 20°   | 3295.9 | 3301.7 | 3396.9 | 3554.1 | 3705.6 | 3821.0 | 3864.2 | 3849.8 | 3862.8 | 3885.9 |
| 22.5° | 3466.1 | 3469.0 | 3575.7 | 3746.0 | 3904.6 | 4031.6 | 4060.4 | 4001.3 | 3965.2 | 3981.1 |
| 25°   | 3663.7 | 3682.5 | 3789.2 | 3963.8 | 4126.8 | 4247.9 | 4260.9 | 4171.5 | 4082.0 | 4086.4 |
| 27.5° | 3904.6 | 3921.9 | 4030.1 | 4203.2 | 4369.1 | 4474.4 | 4472.9 | 4353.2 | 4222.0 | 4188.8 |
| 30°   | 4165.7 | 4184.4 | 4295.5 | 4474.4 | 4628.7 | 4721.0 | 4700.8 | 4558.0 | 4370.5 | 4308.5 |
| 32.5° | 4475.8 | 4487.4 | 4599.9 | 4778.7 | 4921.5 | 4995.1 | 4953.3 | 4777.3 | 4543.6 | 4472.9 |
| 35°   | 4850.8 | 4868.2 | 4951.8 | 5120.6 | 5246.1 | 5306.6 | 5236.0 | 5028.3 | 4765.7 | 4686.4 |
| 37.5° | 5279.2 | 5267.7 | 5362.9 | 5512.9 | 5616.8 | 5654.3 | 5557.6 | 5311.0 | 5019.6 | 4925.8 |
| 40°   | 5726.4 | 5720.6 | 5824.5 | 5968.7 | 6025.0 | 6048.0 | 5905.2 | 5635.5 | 5312.4 | 5211.4 |
| 42.5° | 6131.7 | 6127.4 | 6267.3 | 6427.4 | 6495.2 | 6469.2 | 6288.9 | 5980.3 | 5651.4 | 5536.0 |
| 45°   | 6456.3 | 6450.5 | 6622.1 | 6847.1 | 6979.8 | 6936.6 | 6694.3 | 6361.1 | 5994.7 | 5875.0 |
| 47.5° | 6705.8 | 6708.7 | 6893.3 | 7171.7 | 7403.9 | 7419.8 | 7108.2 | 6749.1 | 6372.6 | 6237.0 |
| 50°   | 6886.1 | 6894.7 | 7092.4 | 7401.0 | 7718.4 | 7858.3 | 7530.9 | 7147.2 | 6763.5 | 6610.6 |
| 52.5° | 6930.8 | 6946.7 | 7184.7 | 7546.7 | 7920.3 | 8187.2 | 7960.7 | 7529.4 | 7134.2 | 6988.5 |
| 55°   | 6692.8 | 6724.5 | 7026.0 | 7535.2 | 8044.4 | 8403.5 | 8338.6 | 7917.4 | 7507.8 | 7357.8 |
| 57.5° | 6146.1 | 6190.8 | 6542.8 | 7207.8 | 8016.9 | 8552.1 | 8631.4 | 8289.6 | 7881.4 | 7737.1 |
| 60°   | 5380.2 | 5433.6 | 5771.1 | 6496.6 | 7630.4 | 8606.9 | 8837.7 | 8651.6 | 8224.7 | 8084.7 |
| 62.5° | 4224.8 | 4294.1 | 4697.9 | 5549.0 | 6814.0 | 8351.6 | 9013.7 | 8979.0 | 8533.3 | 8358.8 |
| 65°   | 2710.3 | 2783.9 | 3209.4 | 4214.7 | 5724.9 | 7569.8 | 9068.5 | 9297.8 | 8859.3 | 8615.5 |
| 67.5° | 1634.3 | 1667.4 | 1878.0 | 2554.5 | 4184.4 | 6391.3 | 8604.0 | 9651.2 | 9240.1 | 8937.2 |
| 70°   | 1045.8 | 1064.5 | 1190.0 | 1500.1 | 2365.6 | 4663.3 | 7453.0 | 9717.6 | 9701.7 | 9267.5 |
| 72.5° | 709.7  | 715.4  | 748.6  | 888.5  | 1338.6 | 2649.7 | 5497.0 | 8797.3 | 9990.2 | 9693.0 |
| 75°   | 519.3  | 551.0  | 604.4  | 628.9  | 760.2  | 1324.1 | 3150.2 | 6180.8 | 8419.4 | 8549.2 |
| 77.5° | 386.6  | 388.0  | 461.6  | 490.4  | 542.3  | 705.3  | 1332.8 | 3450.3 | 5227.3 | 5488.4 |
| 80°   | 327.4  | 310.1  | 308.7  | 395.2  | 408.2  | 439.9  | 595.7  | 1191.4 | 1872.3 | 1135.2 |
| 82.5° | 272.6  | 253.9  | 229.3  | 308.7  | 278.4  | 269.7  | 258.2  | 484.7  | 595.7  | 292.8  |
| 85°   | 190.4  | 181.7  | 173.1  | 201.9  | 158.7  | 135.6  | 124.0  | 226.5  | 251.0  | 124.0  |
| 87.5° | 82.2   | 85.1   | 86.5   | 89.4   | 66.4   | 47.6   | 47.6   | 63.5   | 63.5   | 49.0   |
| 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°    |
|--------|
| 3026.2 |
| 3044.9 |
| 3118.5 |
| 3244.0 |
| 3391.1 |
| 3536.8 |
| 3691.1 |
| 3808.0 |
| 3903.2 |
| 3992.6 |
| 4093.6 |
| 4198.9 |
| 4315.7 |
| 4490.2 |
| 4697.9 |
| 4943.2 |
| 5244.6 |
| 5564.8 |
| 5902.4 |
| 6277.4 |
| 6656.7 |
| 7026.0 |
| 7399.6 |
| 7770.3 |
| 8115.0 |
| 8379.0 |
| 8645.8 |
| 8960.3 |
| 9264.6 |
| 9646.9 |
| 8234.8 |
| 4895.6 |
| 858.2  |
| 249.5  |
| 109.6  |
| 36.1   |
| 0.0    |

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