

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: P954977

Luminaire Tested: **GLAN-SB8A-827-U-RW**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P954977  
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-SB8A-827-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

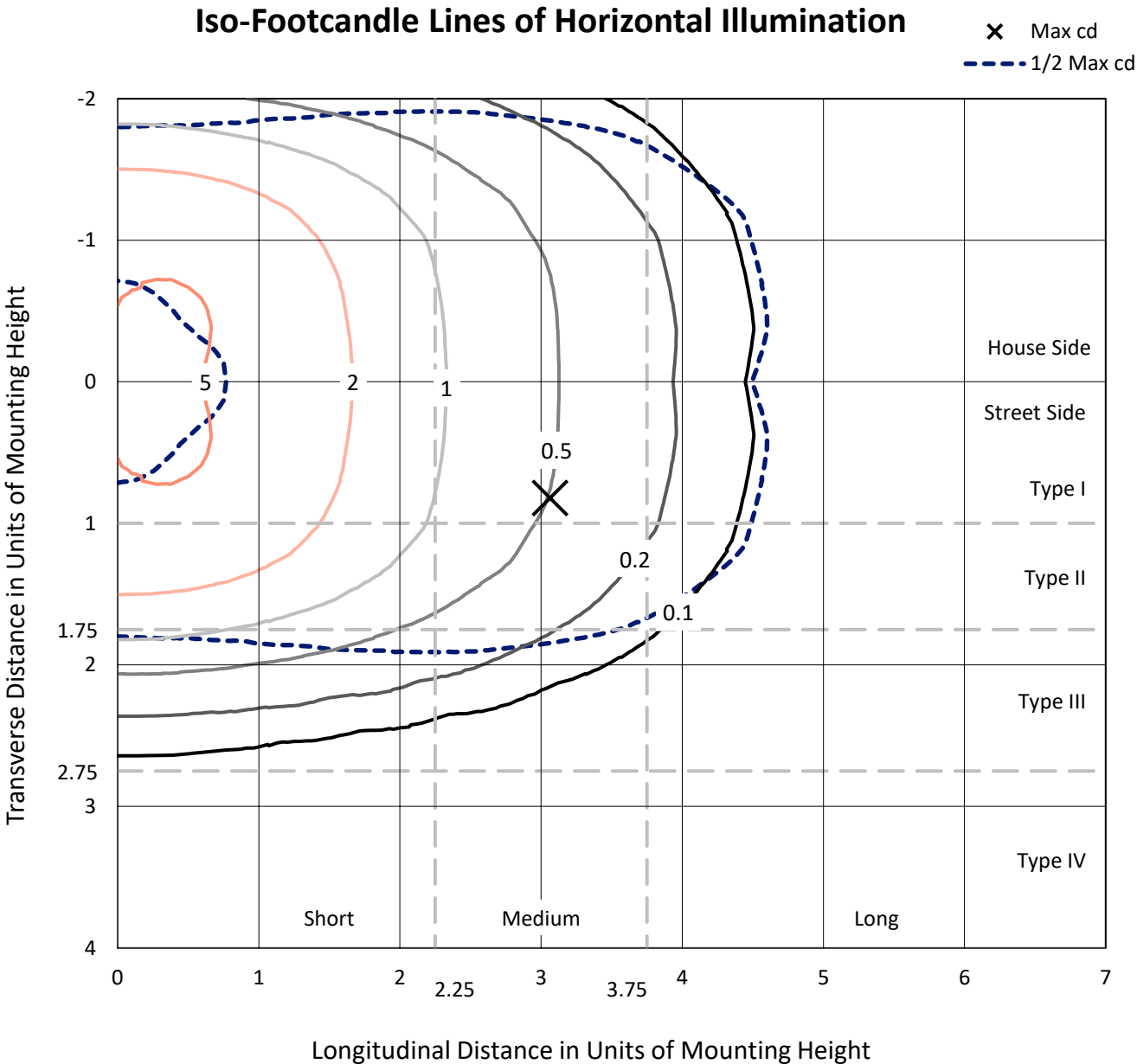
### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 32480 lumens  
Efficiency: N/A  
Efficacy: 143.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B5 - U0 - G5

Input Watts (W): 227.1  
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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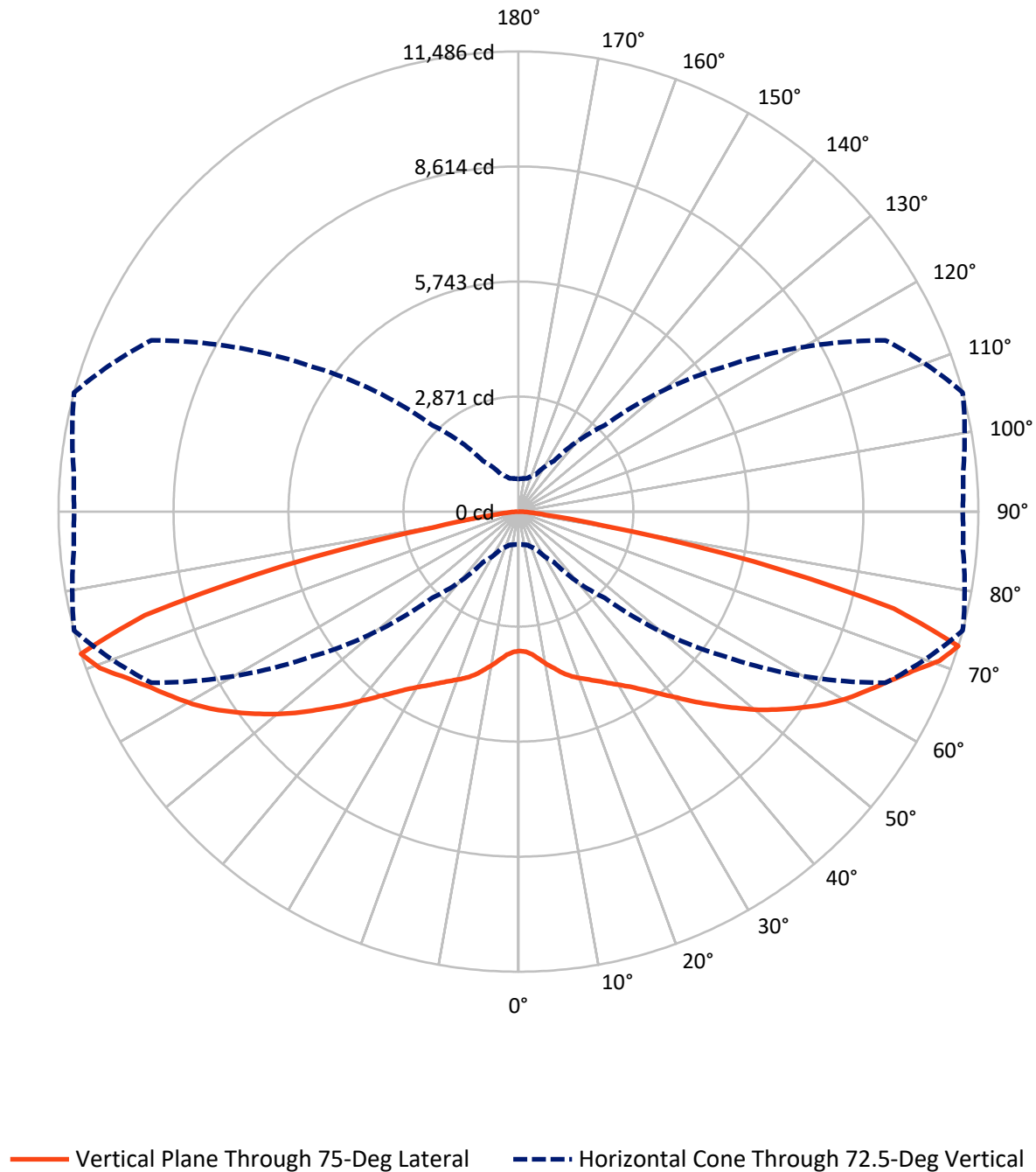


Based on 25 foot mounting height. Maximum calculated value = 6.1 fc  
Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 16240.0  | 0.0    | 16240.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 16240.0  | 0.0    | 16240.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 32480.0  | 0.0    | 32480.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 340.8   | 1.0       |
| 10°-20°   | 1124.1  | 3.5       |
| 20°-30°   | 2172.1  | 6.7       |
| 30°-40°   | 3667.6  | 11.3      |
| 40°-50°   | 5816.5  | 17.9      |
| 50°-60°   | 7787.6  | 24.0      |
| 60°-70°   | 7411.3  | 22.8      |
| 70°-80°   | 3867.3  | 11.9      |
| 80°-90°   | 292.7   | 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°    | 32480.0 | 100.0     |
| 0°-180°   | 32480.0 | 100.0     |

**Coefficient of Utilization**



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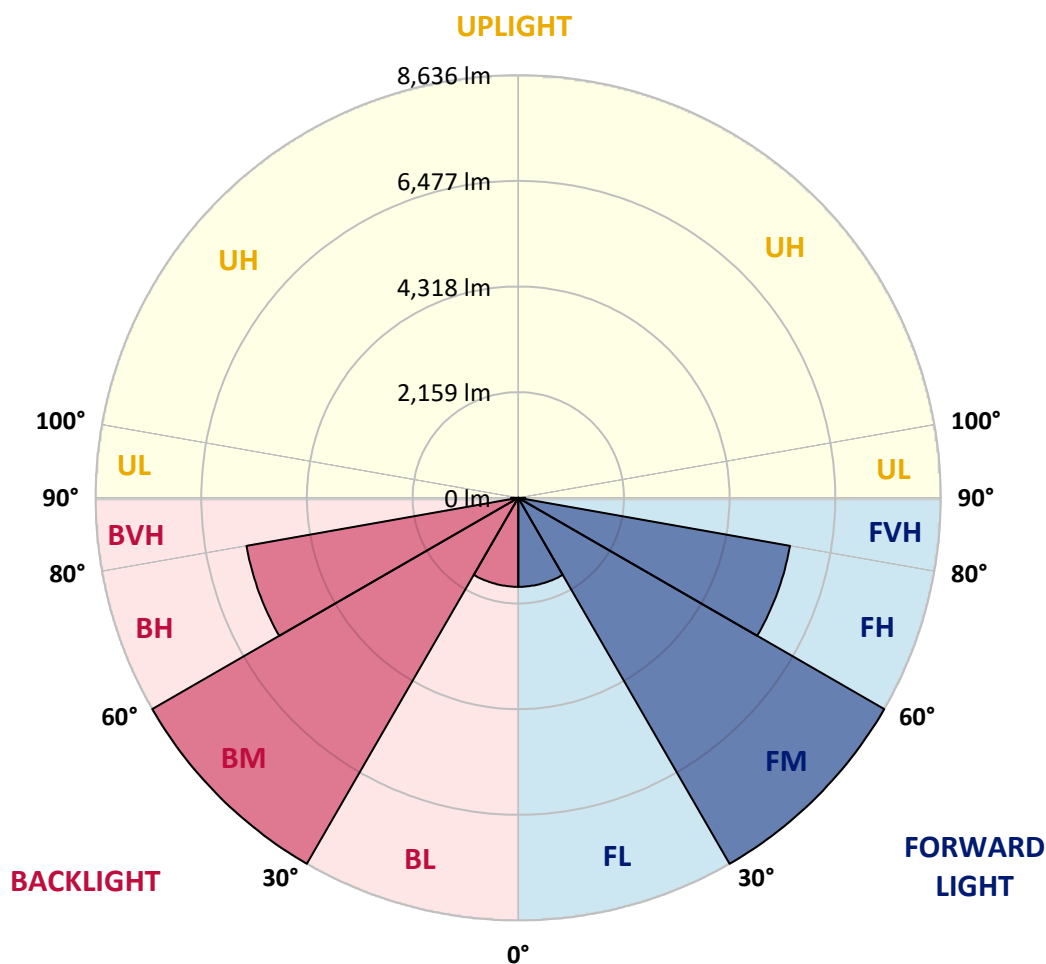
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1818.5 | 5.6       |                         |      |         |
| FM   | (30°-60°)   | 8635.8 | 26.6      |                         |      |         |
| FH   | (60°-80°)   | 5639.3 | 17.4      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 146.4  | 0.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1818.5 | 5.6       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 8635.8 | 26.6      | B5                      |      |         |
| BH   | (60°-80°)   | 5639.3 | 17.4      | B5                      |      | G5      |
| BVH  | (80°-90°)   | 146.4  | 0.5       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B5-U0-G5**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°     | 65°     | 75°     | 85°     |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| 0°    | 3479.2 | 3479.2 | 3479.2 | 3479.2 | 3479.2 | 3479.2 | 3479.2  | 3479.2  | 3479.2  | 3479.2  |
| 2.5°  | 3479.2 | 3475.9 | 3479.2 | 3482.5 | 3480.8 | 3480.8 | 3489.1  | 3494.1  | 3504.1  | 3502.4  |
| 5°    | 3456.0 | 3454.3 | 3467.6 | 3482.5 | 3494.1 | 3514.0 | 3538.9  | 3557.1  | 3580.3  | 3585.3  |
| 7.5°  | 3444.4 | 3439.4 | 3462.6 | 3489.1 | 3525.6 | 3575.4 | 3623.5  | 3673.2  | 3713.0  | 3726.3  |
| 10°   | 3452.7 | 3454.3 | 3485.8 | 3535.6 | 3593.6 | 3663.3 | 3731.3  | 3815.8  | 3872.2  | 3885.5  |
| 12.5° | 3490.8 | 3487.5 | 3540.5 | 3620.1 | 3699.7 | 3787.6 | 3867.2  | 3960.1  | 4021.5  | 4053.0  |
| 15°   | 3560.4 | 3553.8 | 3628.4 | 3746.2 | 3862.3 | 3965.1 | 4029.8  | 4117.6  | 4189.0  | 4228.8  |
| 17.5° | 3643.4 | 3646.7 | 3744.5 | 3897.1 | 4049.7 | 4165.7 | 4227.1  | 4271.9  | 4326.6  | 4361.4  |
| 20°   | 3789.3 | 3795.9 | 3905.4 | 4086.1 | 4260.3 | 4392.9 | 4442.7  | 4426.1  | 4441.0  | 4467.6  |
| 22.5° | 3985.0 | 3988.3 | 4111.0 | 4306.7 | 4489.1 | 4635.0 | 4668.2  | 4600.2  | 4558.8  | 4577.0  |
| 25°   | 4212.2 | 4233.7 | 4356.4 | 4557.1 | 4744.5 | 4883.8 | 4898.7  | 4795.9  | 4693.1  | 4698.1  |
| 27.5° | 4489.1 | 4509.0 | 4633.4 | 4832.4 | 5023.1 | 5144.2 | 5142.5  | 5004.9  | 4854.0  | 4815.8  |
| 30°   | 4789.3 | 4810.8 | 4938.5 | 5144.2 | 5321.6 | 5427.7 | 5404.5  | 5240.3  | 5024.8  | 4953.5  |
| 32.5° | 5145.8 | 5159.1 | 5288.4 | 5494.1 | 5658.2 | 5742.8 | 5694.7  | 5492.4  | 5223.8  | 5142.5  |
| 35°   | 5577.0 | 5596.9 | 5693.1 | 5887.1 | 6031.4 | 6101.0 | 6019.8  | 5781.0  | 5479.1  | 5387.9  |
| 37.5° | 6069.5 | 6056.2 | 6165.7 | 6338.2 | 6457.6 | 6500.7 | 6389.6  | 6106.0  | 5771.0  | 5663.2  |
| 40°   | 6583.6 | 6577.0 | 6696.4 | 6862.2 | 6926.9 | 6953.4 | 6789.2  | 6479.1  | 6107.7  | 5991.6  |
| 42.5° | 7049.6 | 7044.6 | 7205.5 | 7389.5 | 7467.5 | 7437.6 | 7230.3  | 6875.5  | 6497.4  | 6364.7  |
| 45°   | 7422.7 | 7416.1 | 7613.4 | 7872.1 | 8024.7 | 7974.9 | 7696.3  | 7313.3  | 6892.0  | 6754.4  |
| 47.5° | 7709.6 | 7712.9 | 7925.2 | 8245.2 | 8512.2 | 8530.5 | 8172.3  | 7759.4  | 7326.5  | 7170.6  |
| 50°   | 7916.9 | 7926.8 | 8154.0 | 8508.9 | 8873.8 | 9034.6 | 8658.2  | 8217.1  | 7775.9  | 7600.2  |
| 52.5° | 7968.3 | 7986.5 | 8260.2 | 8676.4 | 9105.9 | 9412.7 | 9152.4  | 8656.5  | 8202.1  | 8034.6  |
| 55°   | 7694.7 | 7731.2 | 8077.8 | 8663.1 | 9248.5 | 9661.5 | 9586.8  | 9102.6  | 8631.6  | 8459.2  |
| 57.5° | 7066.2 | 7117.6 | 7522.2 | 8286.7 | 9217.0 | 9832.3 | 9923.5  | 9530.5  | 9061.1  | 8895.3  |
| 60°   | 6185.6 | 6247.0 | 6635.0 | 7469.1 | 8772.6 | 9895.3 | 10160.6 | 9946.7  | 9455.8  | 9295.0  |
| 62.5° | 4857.3 | 4936.9 | 5401.2 | 6379.6 | 7834.0 | 9601.8 | 10362.9 | 10323.1 | 9810.7  | 9610.1  |
| 65°   | 3116.0 | 3200.6 | 3689.8 | 4845.7 | 6581.9 | 8702.9 | 10426.0 | 10689.6 | 10185.5 | 9905.2  |
| 67.5° | 1878.9 | 1917.0 | 2159.2 | 2936.9 | 4810.8 | 7348.1 | 9892.0  | 11095.9 | 10623.3 | 10275.1 |
| 70°   | 1202.3 | 1223.9 | 1368.1 | 1724.7 | 2719.7 | 5361.4 | 8568.6  | 11172.2 | 11154.0 | 10654.8 |
| 72.5° | 815.9  | 822.5  | 860.7  | 1021.5 | 1538.9 | 3046.4 | 6319.9  | 10114.2 | 11485.6 | 11144.0 |
| 75°   | 597.0  | 633.5  | 694.8  | 723.0  | 873.9  | 1522.4 | 3621.8  | 7106.0  | 9679.7  | 9829.0  |
| 77.5° | 444.4  | 446.1  | 530.7  | 563.8  | 623.5  | 810.9  | 1532.3  | 3966.7  | 6009.8  | 6310.0  |
| 80°   | 376.4  | 356.5  | 354.9  | 454.4  | 469.3  | 505.8  | 684.9   | 1369.8  | 2152.5  | 1305.1  |
| 82.5° | 313.4  | 291.9  | 263.7  | 354.9  | 320.1  | 310.1  | 296.8   | 557.2   | 684.9   | 336.6   |
| 85°   | 218.9  | 209.0  | 199.0  | 232.2  | 182.4  | 155.9  | 142.6   | 260.4   | 288.6   | 142.6   |
| 87.5° | 94.5   | 97.8   | 99.5   | 102.8  | 76.3   | 54.7   | 54.7    | 73.0    | 73.0    | 56.4    |
| 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°     |
|---------|
| 3479.2  |
| 3500.7  |
| 3585.3  |
| 3729.6  |
| 3898.7  |
| 4066.2  |
| 4243.7  |
| 4378.0  |
| 4487.5  |
| 4590.3  |
| 4706.4  |
| 4827.4  |
| 4961.7  |
| 5162.4  |
| 5401.2  |
| 5683.1  |
| 6029.7  |
| 6397.9  |
| 6785.9  |
| 7217.1  |
| 7653.2  |
| 8077.8  |
| 8507.3  |
| 8933.5  |
| 9329.8  |
| 9633.3  |
| 9940.1  |
| 10301.6 |
| 10651.5 |
| 11091.0 |
| 9467.4  |
| 5628.4  |
| 986.7   |
| 286.9   |
| 126.0   |
| 41.5    |
| 0.0     |

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