

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: P940713

Luminaire Tested: **GLAN-SB3D-930-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940713  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3D-930-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21012 lumens  
Efficiency: N/A  
Efficacy: 96.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type I - Short  
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

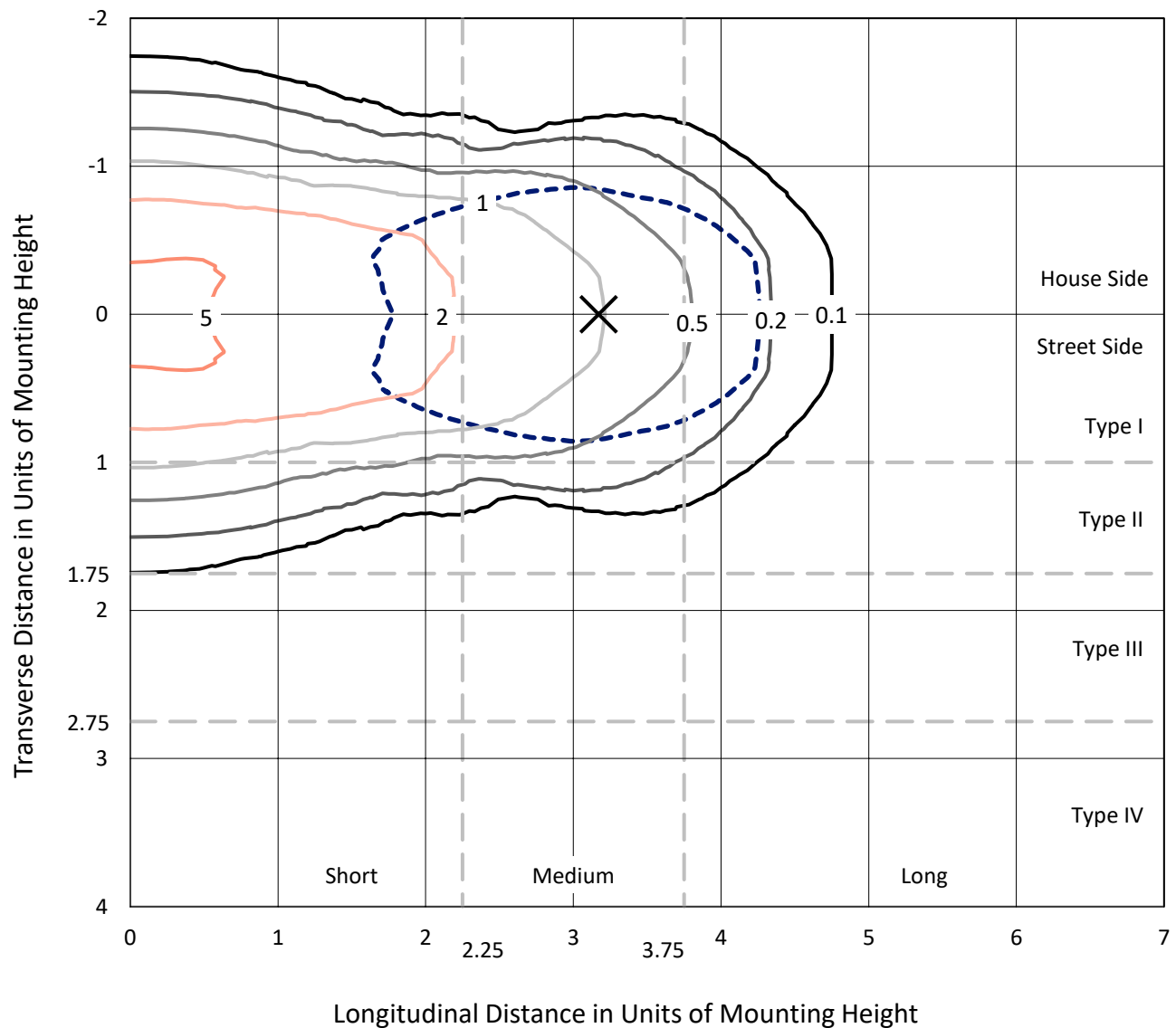


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

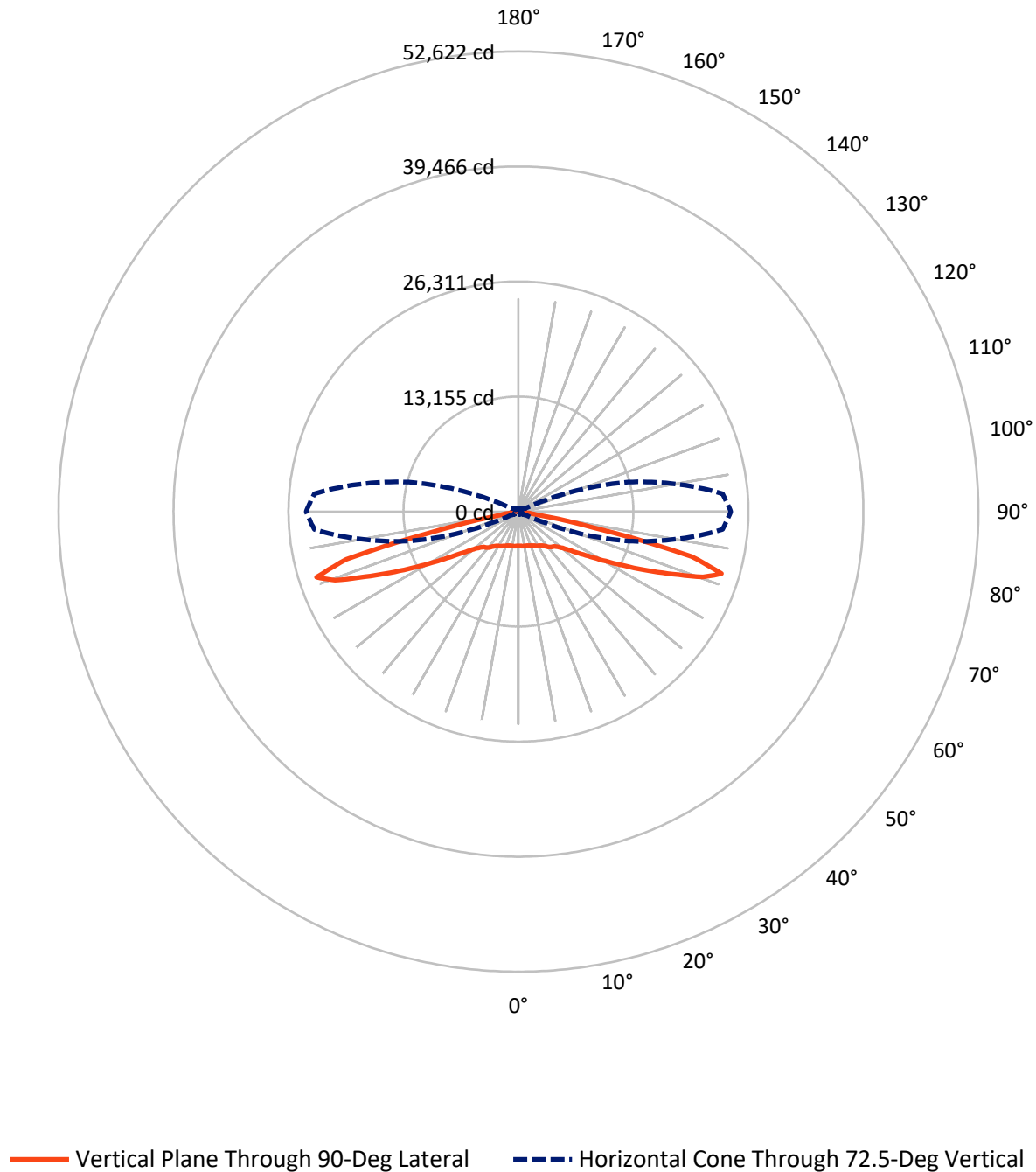


Based on 25 foot mounting height. Maximum calculated value = 6.3 fc

Type I - Short - N/A

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## Luminous Intensity Polar Plot



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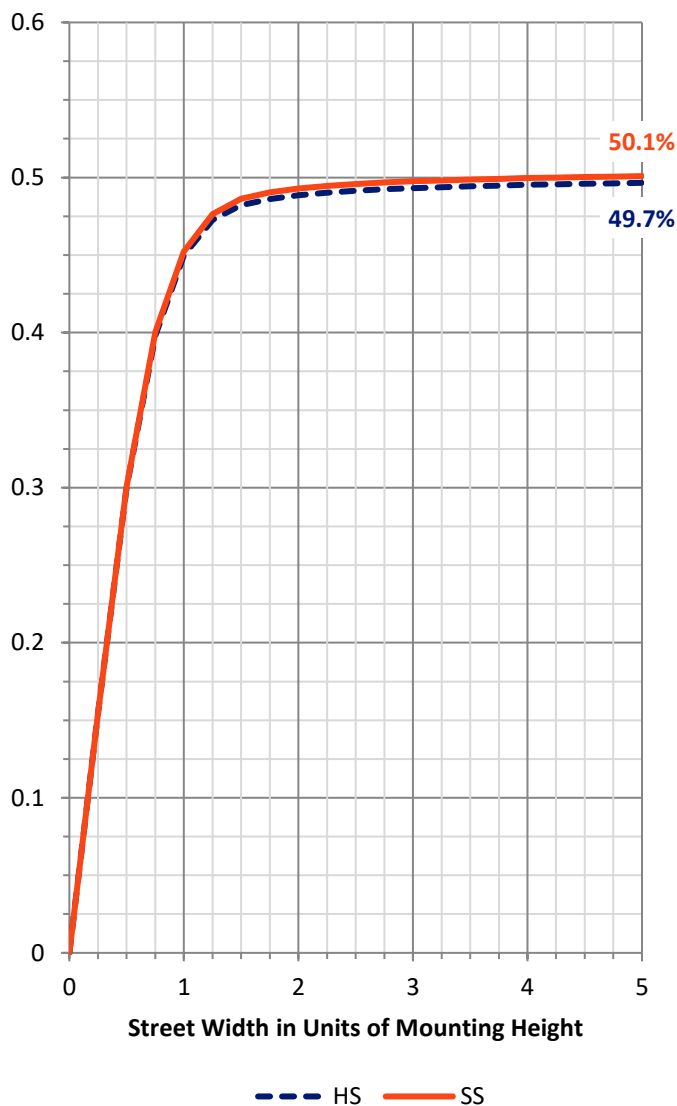
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 10506.0  | 0.0    | 10506.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 10506.0  | 0.0    | 10506.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 21012.0  | 0.0    | 21012.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 380.7   | 1.8       |
| 10°-20°   | 1164.0  | 5.5       |
| 20°-30°   | 1940.9  | 9.2       |
| 30°-40°   | 2669.4  | 12.7      |
| 40°-50°   | 3260.0  | 15.5      |
| 50°-60°   | 3770.6  | 17.9      |
| 60°-70°   | 4495.8  | 21.4      |
| 70°-80°   | 3137.8  | 14.9      |
| 80°-90°   | 192.7   | 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°    | 21012.0 | 100.0     |
| 0°-180°   | 21012.0 | 100.0     |

**Coefficient of Utilization**



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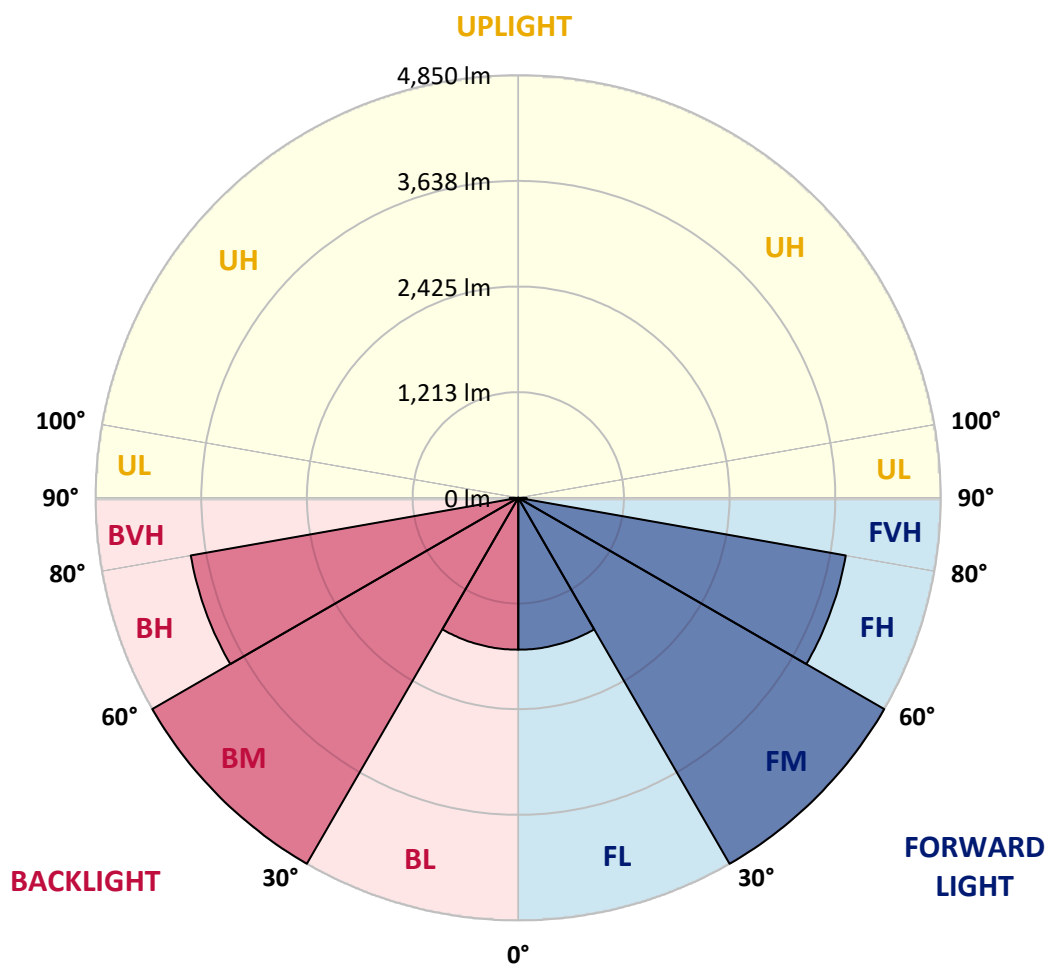
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1742.8 | 8.3       |                         |      |         |
| FM   | (30°-60°)   | 4850.0 | 23.1      |                         |      |         |
| FH   | (60°-80°)   | 3816.8 | 18.2      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 96.4   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 1742.8 | 8.3       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 4850.0 | 23.1      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 3816.8 | 18.2      | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 96.4   | 0.5       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

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

Type I Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°     | 85°     |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0°    | 3926.3 | 3926.3 | 3926.3 | 3926.3 | 3926.3 | 3926.3 | 3926.3 | 3926.3 | 3926.3  | 3926.3  |
| 2.5°  | 3929.7 | 3934.1 | 3934.1 | 3930.8 | 3938.6 | 3931.9 | 3931.9 | 3928.5 | 3931.9  | 3928.5  |
| 5°    | 3949.8 | 3955.3 | 3957.6 | 3956.5 | 3966.5 | 3960.9 | 3960.9 | 3956.5 | 3957.6  | 3954.2  |
| 7.5°  | 3987.7 | 3995.5 | 4000.0 | 4005.6 | 4020.1 | 4013.4 | 4008.9 | 3995.5 | 3990.0  | 3981.0  |
| 10°   | 4000.0 | 4008.9 | 4023.5 | 4052.5 | 4086.0 | 4087.1 | 4073.7 | 4040.2 | 4014.5  | 3994.4  |
| 12.5° | 3962.0 | 3974.3 | 4004.5 | 4063.7 | 4138.5 | 4168.6 | 4147.4 | 4091.6 | 4041.3  | 4005.6  |
| 15°   | 3914.0 | 3927.4 | 3973.2 | 4062.6 | 4173.1 | 4243.5 | 4241.2 | 4167.5 | 4087.1  | 4031.3  |
| 17.5° | 3839.2 | 3852.6 | 3918.5 | 4043.6 | 4199.9 | 4316.0 | 4347.3 | 4271.4 | 4158.6  | 4083.8  |
| 20°   | 3704.1 | 3716.4 | 3807.9 | 3983.3 | 4208.8 | 4393.1 | 4474.6 | 4407.6 | 4266.9  | 4165.3  |
| 22.5° | 3528.8 | 3547.8 | 3655.0 | 3879.4 | 4187.6 | 4473.5 | 4619.8 | 4574.0 | 4393.1  | 4252.4  |
| 25°   | 3341.2 | 3361.3 | 3486.3 | 3752.1 | 4132.9 | 4531.6 | 4791.8 | 4762.7 | 4536.0  | 4360.7  |
| 27.5° | 3179.2 | 3200.5 | 3336.7 | 3625.9 | 4048.0 | 4553.9 | 4961.5 | 4976.0 | 4709.1  | 4480.2  |
| 30°   | 3051.9 | 3072.0 | 3217.2 | 3524.3 | 3938.6 | 4531.6 | 5110.0 | 5210.5 | 4885.6  | 4584.0  |
| 32.5° | 2912.4 | 2938.0 | 3091.0 | 3400.3 | 3809.1 | 4478.0 | 5239.6 | 5464.0 | 5089.9  | 4695.7  |
| 35°   | 2735.9 | 2759.4 | 2920.2 | 3230.6 | 3639.3 | 4392.0 | 5347.9 | 5745.4 | 5382.5  | 4865.5  |
| 37.5° | 2521.5 | 2543.8 | 2703.5 | 3018.4 | 3470.7 | 4271.4 | 5430.5 | 6062.6 | 5730.9  | 5110.0  |
| 40°   | 2306.0 | 2327.2 | 2476.8 | 2781.7 | 3268.6 | 4117.3 | 5459.5 | 6373.0 | 6130.7  | 5446.1  |
| 42.5° | 2108.3 | 2127.3 | 2264.7 | 2548.3 | 3041.9 | 3920.7 | 5421.6 | 6643.2 | 6489.1  | 5680.6  |
| 45°   | 1926.3 | 1943.1 | 2064.8 | 2329.4 | 2806.3 | 3681.8 | 5307.7 | 6933.6 | 6915.7  | 5848.2  |
| 47.5° | 1718.6 | 1735.4 | 1861.5 | 2117.3 | 2570.6 | 3401.5 | 5114.5 | 7219.5 | 7508.7  | 6227.8  |
| 50°   | 1465.1 | 1479.6 | 1609.2 | 1872.7 | 2326.1 | 3103.3 | 4846.5 | 7443.9 | 8256.9  | 6802.9  |
| 52.5° | 1164.7 | 1180.4 | 1306.5 | 1570.1 | 2035.7 | 2782.8 | 4493.6 | 7590.2 | 9121.2  | 7642.7  |
| 55°   | 866.6  | 877.7  | 987.2  | 1223.9 | 1676.2 | 2417.7 | 4051.4 | 7631.5 | 10101.7 | 8790.7  |
| 57.5° | 628.7  | 635.4  | 705.8  | 882.2  | 1270.8 | 1960.9 | 3514.3 | 7524.3 | 11268.6 | 10262.5 |
| 60°   | 509.2  | 511.4  | 532.7  | 610.8  | 883.3  | 1445.0 | 2865.4 | 7155.8 | 12534.9 | 12159.7 |
| 62.5° | 462.3  | 462.3  | 467.9  | 489.1  | 597.4  | 953.7  | 2080.4 | 6392.0 | 13892.9 | 14557.3 |
| 65°   | 429.9  | 429.9  | 432.2  | 442.2  | 471.2  | 607.5  | 1313.2 | 5148.0 | 15037.5 | 17365.8 |
| 67.5° | 400.9  | 402.0  | 400.9  | 404.2  | 421.0  | 448.9  | 761.6  | 3555.6 | 15653.9 | 20275.9 |
| 70°   | 370.7  | 373.0  | 367.4  | 367.4  | 380.8  | 381.9  | 476.8  | 1949.8 | 15142.4 | 22714.8 |
| 72.5° | 335.0  | 338.4  | 329.4  | 327.2  | 337.2  | 332.8  | 358.5  | 935.8  | 13000.6 | 23442.9 |
| 75°   | 303.7  | 308.2  | 288.1  | 282.5  | 282.5  | 279.2  | 291.5  | 480.2  | 8437.8  | 19123.5 |
| 77.5° | 275.8  | 284.8  | 252.4  | 234.5  | 230.0  | 220.0  | 237.9  | 293.7  | 3690.7  | 8978.3  |
| 80°   | 227.8  | 240.1  | 207.7  | 186.5  | 178.7  | 167.5  | 187.6  | 205.5  | 1097.7  | 2084.9  |
| 82.5° | 169.7  | 175.3  | 147.4  | 132.9  | 126.2  | 118.4  | 140.7  | 142.9  | 357.3   | 738.1   |
| 85°   | 108.3  | 110.6  | 90.5   | 78.2   | 74.8   | 71.5   | 89.3   | 78.2   | 136.2   | 542.7   |
| 87.5° | 38.0   | 43.6   | 34.6   | 31.3   | 33.5   | 27.9   | 41.3   | 23.5   | 38.0    | 383.0   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |

(END C

90°

3926.3  
3928.5  
3954.2  
3981.0  
3991.1  
4000.0  
4022.4  
4071.5  
4146.3  
4226.7  
4325.0  
4442.2  
4529.3  
4626.5  
4788.4  
5007.3  
5336.7  
5539.9  
5658.3  
6009.0  
6528.2  
7304.3  
8367.4  
9729.8  
11488.6  
13658.3  
16229.0  
19048.7  
22392.1  
24291.6  
20454.6  
8791.8  
1996.7  
834.2  
788.4  
474.6  
0.0

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