

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: P847424

Luminaire Tested: **GLAN-SB3C-735-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847424  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3C-735-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21813 lumens  
Efficiency: N/A  
Efficacy: 146.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

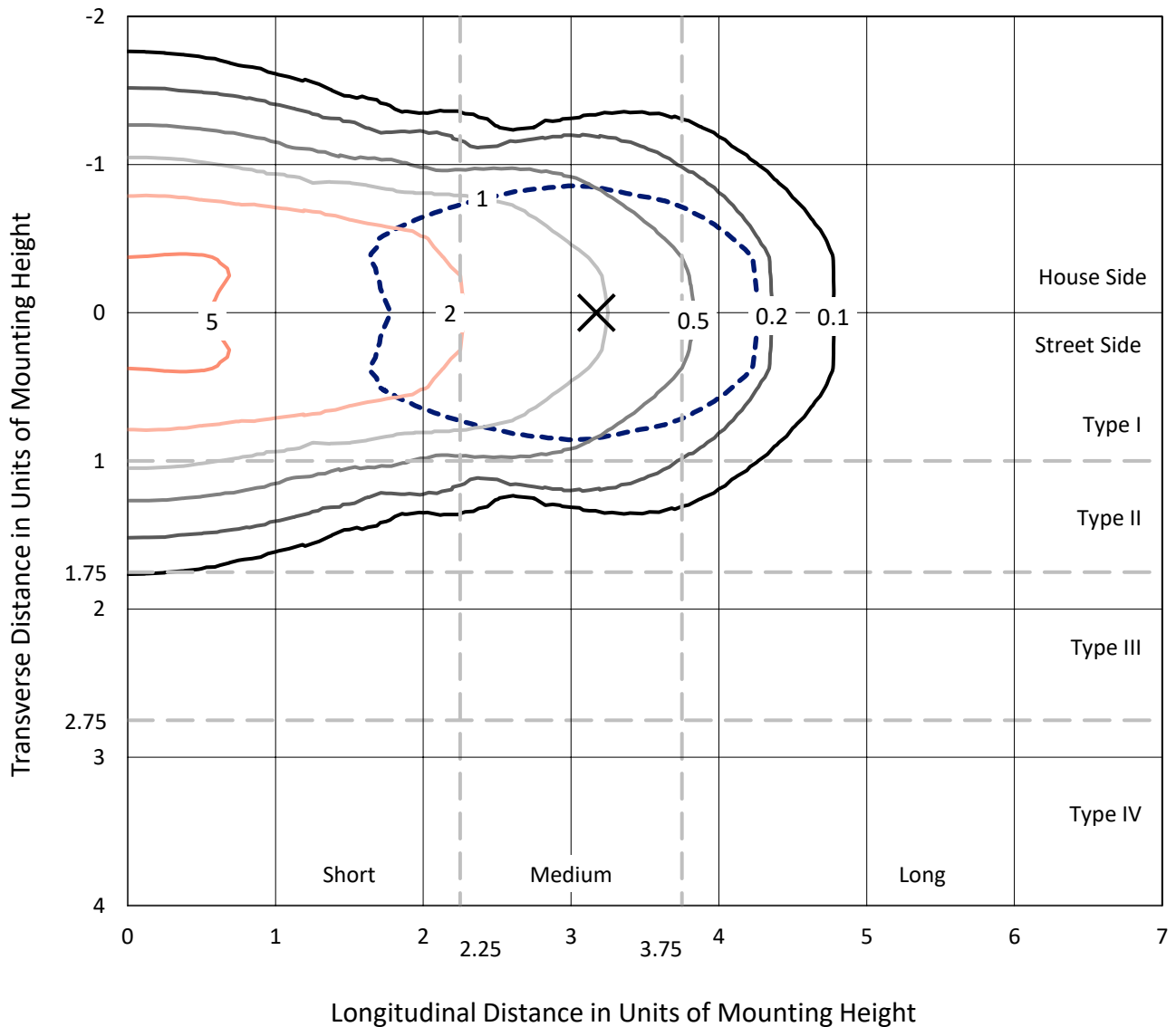
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

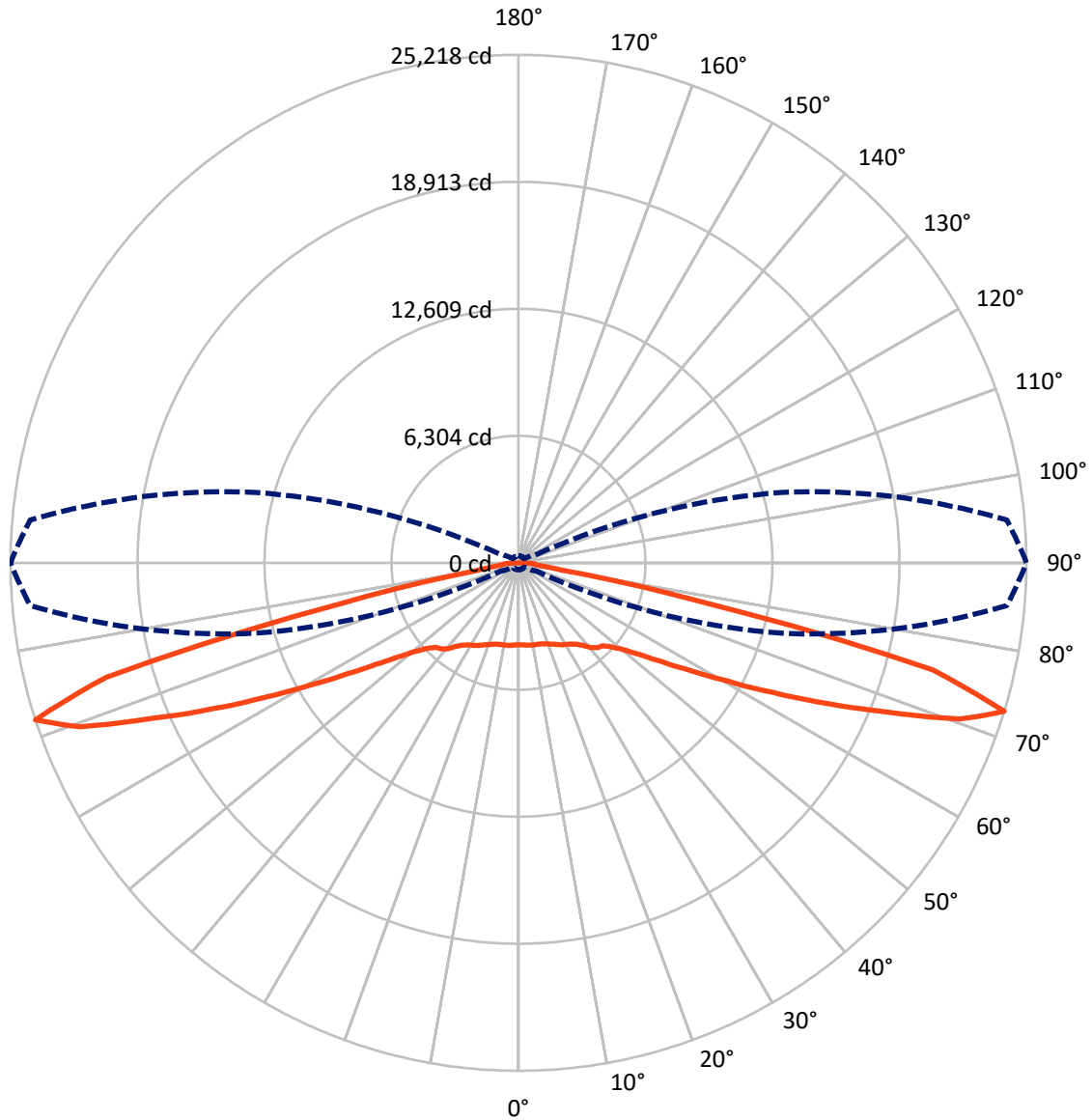
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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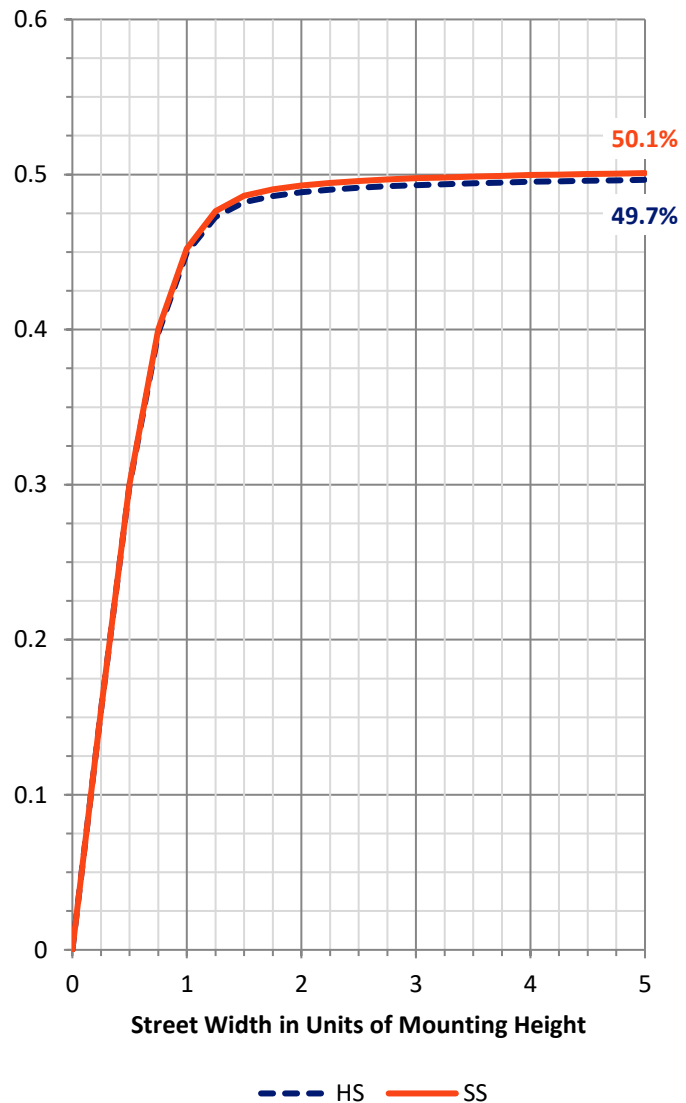
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 10906.5  | 0.0    | 10906.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 10906.5  | 0.0    | 10906.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 21813.0  | 0.0    | 21813.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 395.2   | 1.8       |
| 10°-20°   | 1208.4  | 5.5       |
| 20°-30°   | 2014.9  | 9.2       |
| 30°-40°   | 2771.1  | 12.7      |
| 40°-50°   | 3384.3  | 15.5      |
| 50°-60°   | 3914.3  | 17.9      |
| 60°-70°   | 4667.2  | 21.4      |
| 70°-80°   | 3257.4  | 14.9      |
| 80°-90°   | 200.1   | 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°    | 21813.0 | 100.0     |
| 0°-180°   | 21813.0 | 100.0     |

**Coefficient of Utilization**



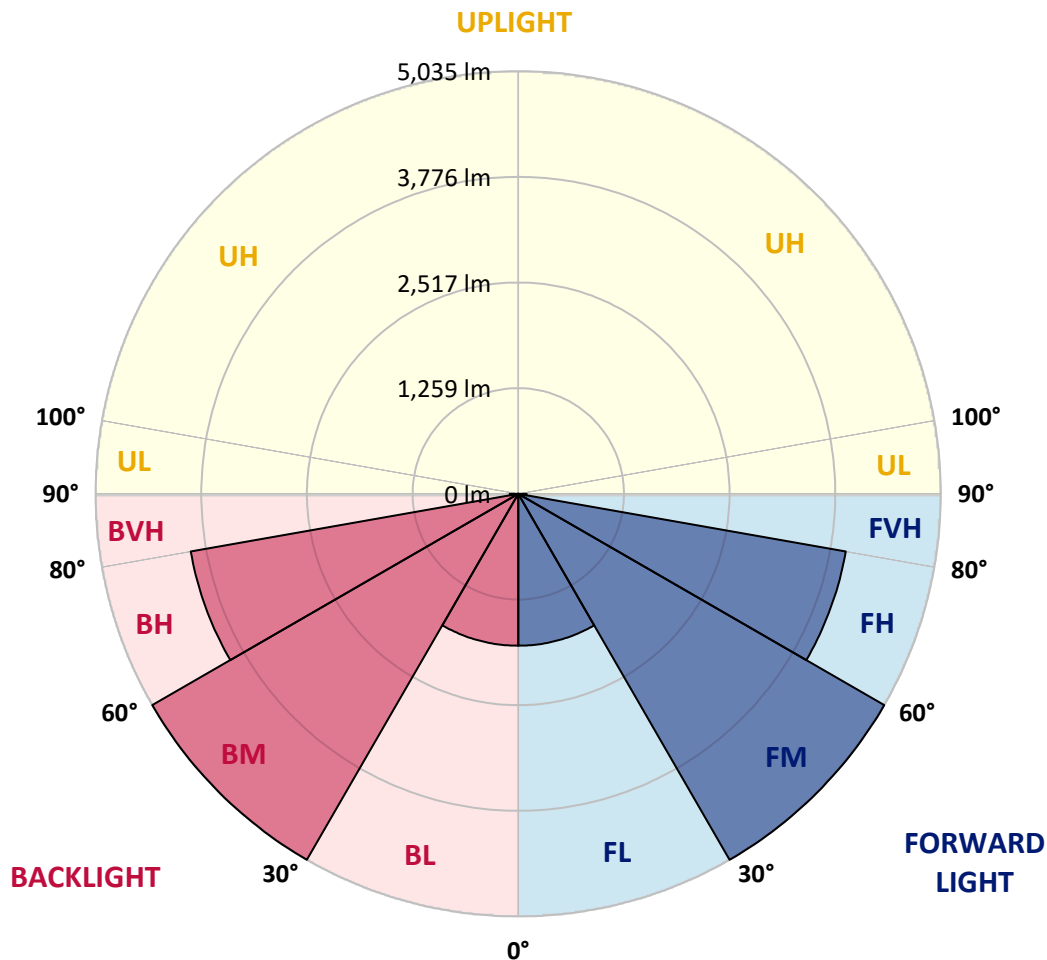
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 1809.3 | 8.3       |                         |      |         |
| FM (30°-60°)   | 5034.9 | 23.1      |                         |      |         |
| FH (60°-80°)   | 3962.3 | 18.2      |                         |      | G2/5000 |
| FVH (80°-90°)  | 100.0  | 0.5       |                         |      | G2/225  |
| BL (0°-30°)    | 1809.3 | 8.3       | B3/2500                 |      |         |
| BM (30°-60°)   | 5034.9 | 23.1      | B4/8500                 |      |         |
| BH (60°-80°)   | 3962.3 | 18.2      | B4/5000                 |      | G4/5000 |
| BVH (80°-90°)  | 100.0  | 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 I Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°     | 85°     |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0°    | 4076.0 | 4076.0 | 4076.0 | 4076.0 | 4076.0 | 4076.0 | 4076.0 | 4076.0 | 4076.0  | 4076.0  |
| 2.5°  | 4079.5 | 4084.1 | 4084.1 | 4080.6 | 4088.7 | 4081.8 | 4081.8 | 4078.3 | 4081.8  | 4078.3  |
| 5°    | 4100.3 | 4106.1 | 4108.4 | 4107.3 | 4117.7 | 4111.9 | 4111.9 | 4107.3 | 4108.4  | 4105.0  |
| 7.5°  | 4139.7 | 4147.9 | 4152.5 | 4158.3 | 4173.4 | 4166.4 | 4161.8 | 4147.9 | 4142.1  | 4132.8  |
| 10°   | 4152.5 | 4161.8 | 4176.8 | 4207.0 | 4241.8 | 4242.9 | 4229.0 | 4194.2 | 4167.6  | 4146.7  |
| 12.5° | 4113.1 | 4125.8 | 4157.1 | 4218.6 | 4296.3 | 4327.6 | 4305.5 | 4247.6 | 4195.4  | 4158.3  |
| 15°   | 4063.2 | 4077.1 | 4124.7 | 4217.4 | 4332.2 | 4405.2 | 4402.9 | 4326.4 | 4242.9  | 4185.0  |
| 17.5° | 3985.6 | 3999.5 | 4067.9 | 4197.7 | 4360.0 | 4480.6 | 4513.0 | 4434.2 | 4317.1  | 4239.4  |
| 20°   | 3845.3 | 3858.0 | 3953.1 | 4135.1 | 4369.3 | 4560.6 | 4645.2 | 4575.6 | 4429.6  | 4324.1  |
| 22.5° | 3663.3 | 3683.0 | 3794.3 | 4027.3 | 4347.3 | 4644.0 | 4795.9 | 4748.4 | 4560.6  | 4414.5  |
| 25°   | 3468.5 | 3489.4 | 3619.2 | 3895.1 | 4290.5 | 4704.3 | 4974.4 | 4944.3 | 4709.0  | 4526.9  |
| 27.5° | 3300.4 | 3322.5 | 3463.9 | 3764.1 | 4202.3 | 4727.5 | 5150.6 | 5165.7 | 4888.6  | 4651.0  |
| 30°   | 3168.3 | 3189.1 | 3339.9 | 3658.7 | 4088.7 | 4704.3 | 5304.8 | 5409.1 | 5071.8  | 4758.8  |
| 32.5° | 3023.4 | 3050.0 | 3208.9 | 3530.0 | 3954.3 | 4648.7 | 5439.3 | 5672.3 | 5283.9  | 4874.7  |
| 35°   | 2840.2 | 2864.6 | 3031.5 | 3353.8 | 3778.1 | 4559.4 | 5551.7 | 5964.4 | 5587.7  | 5050.9  |
| 37.5° | 2617.6 | 2640.8 | 2806.6 | 3133.5 | 3603.0 | 4434.2 | 5637.5 | 6293.7 | 5949.4  | 5304.8  |
| 40°   | 2393.9 | 2415.9 | 2571.3 | 2887.7 | 3393.2 | 4274.2 | 5667.7 | 6615.9 | 6364.4  | 5653.8  |
| 42.5° | 2188.7 | 2208.4 | 2351.0 | 2645.5 | 3157.8 | 4070.2 | 5628.3 | 6896.5 | 6736.5  | 5897.2  |
| 45°   | 1999.7 | 2017.1 | 2143.5 | 2418.2 | 2913.2 | 3822.1 | 5510.0 | 7197.9 | 7179.4  | 6071.1  |
| 47.5° | 1784.1 | 1801.5 | 1932.5 | 2198.0 | 2668.6 | 3531.1 | 5309.5 | 7494.7 | 7794.9  | 6465.2  |
| 50°   | 1521.0 | 1536.0 | 1670.5 | 1944.1 | 2414.8 | 3221.6 | 5031.2 | 7727.7 | 8571.6  | 7062.3  |
| 52.5° | 1209.1 | 1225.3 | 1356.3 | 1629.9 | 2113.3 | 2888.9 | 4664.9 | 7879.6 | 9468.9  | 7934.0  |
| 55°   | 899.6  | 911.2  | 1024.8 | 1270.6 | 1740.1 | 2509.8 | 4205.8 | 7922.4 | 10486.7 | 9125.8  |
| 57.5° | 652.7  | 659.6  | 732.7  | 915.8  | 1319.2 | 2035.7 | 3648.2 | 7811.2 | 11698.2 | 10653.7 |
| 60°   | 528.6  | 530.9  | 553.0  | 634.1  | 917.0  | 1500.1 | 2974.7 | 7428.6 | 13012.8 | 12623.3 |
| 62.5° | 479.9  | 479.9  | 485.7  | 507.8  | 620.2  | 990.0  | 2159.7 | 6635.7 | 14422.5 | 15112.2 |
| 65°   | 446.3  | 446.3  | 448.6  | 459.1  | 489.2  | 630.6  | 1363.3 | 5344.2 | 15610.7 | 18027.8 |
| 67.5° | 416.2  | 417.3  | 416.2  | 419.7  | 437.0  | 466.0  | 790.6  | 3691.1 | 16250.6 | 21048.8 |
| 70°   | 384.9  | 387.2  | 381.4  | 381.4  | 395.3  | 396.5  | 495.0  | 2024.1 | 15719.7 | 23580.7 |
| 72.5° | 347.8  | 351.3  | 342.0  | 339.7  | 350.1  | 345.5  | 372.1  | 971.5  | 13496.2 | 24336.5 |
| 75°   | 315.3  | 320.0  | 299.1  | 293.3  | 293.3  | 289.8  | 302.6  | 498.5  | 8759.4  | 19852.5 |
| 77.5° | 286.3  | 295.6  | 262.0  | 243.4  | 238.8  | 228.4  | 246.9  | 304.9  | 3831.4  | 9320.5  |
| 80°   | 236.5  | 249.2  | 215.6  | 193.6  | 185.5  | 173.9  | 194.8  | 213.3  | 1139.6  | 2164.4  |
| 82.5° | 176.2  | 182.0  | 153.0  | 138.0  | 131.0  | 122.9  | 146.1  | 148.4  | 371.0   | 766.3   |
| 85°   | 112.4  | 114.8  | 93.9   | 81.1   | 77.7   | 74.2   | 92.7   | 81.1   | 141.4   | 563.4   |
| 87.5° | 39.4   | 45.2   | 35.9   | 32.5   | 34.8   | 29.0   | 42.9   | 24.3   | 39.4    | 397.6   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |

(END C

90°

4076.0  
4078.3  
4105.0  
4132.8  
4143.2  
4152.5  
4175.7  
4226.7  
4304.4  
4387.8  
4489.8  
4611.6  
4702.0  
4802.9  
4970.9  
5198.2  
5540.1  
5751.1  
5874.0  
6238.0  
6777.1  
7582.8  
8686.4  
10100.7  
11926.6  
14179.0  
16847.7  
19774.8  
23245.7  
25217.6  
21234.3  
9126.9  
2072.8  
866.0  
818.4  
492.7  
0.0

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