

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: P943420

Luminaire Tested: **GLAN-SB7D-927-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P943420  
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-SB7D-927-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 44557 lumens  
Efficiency: N/A  
Efficacy: 86.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

Input Watts (W): 512.8  
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



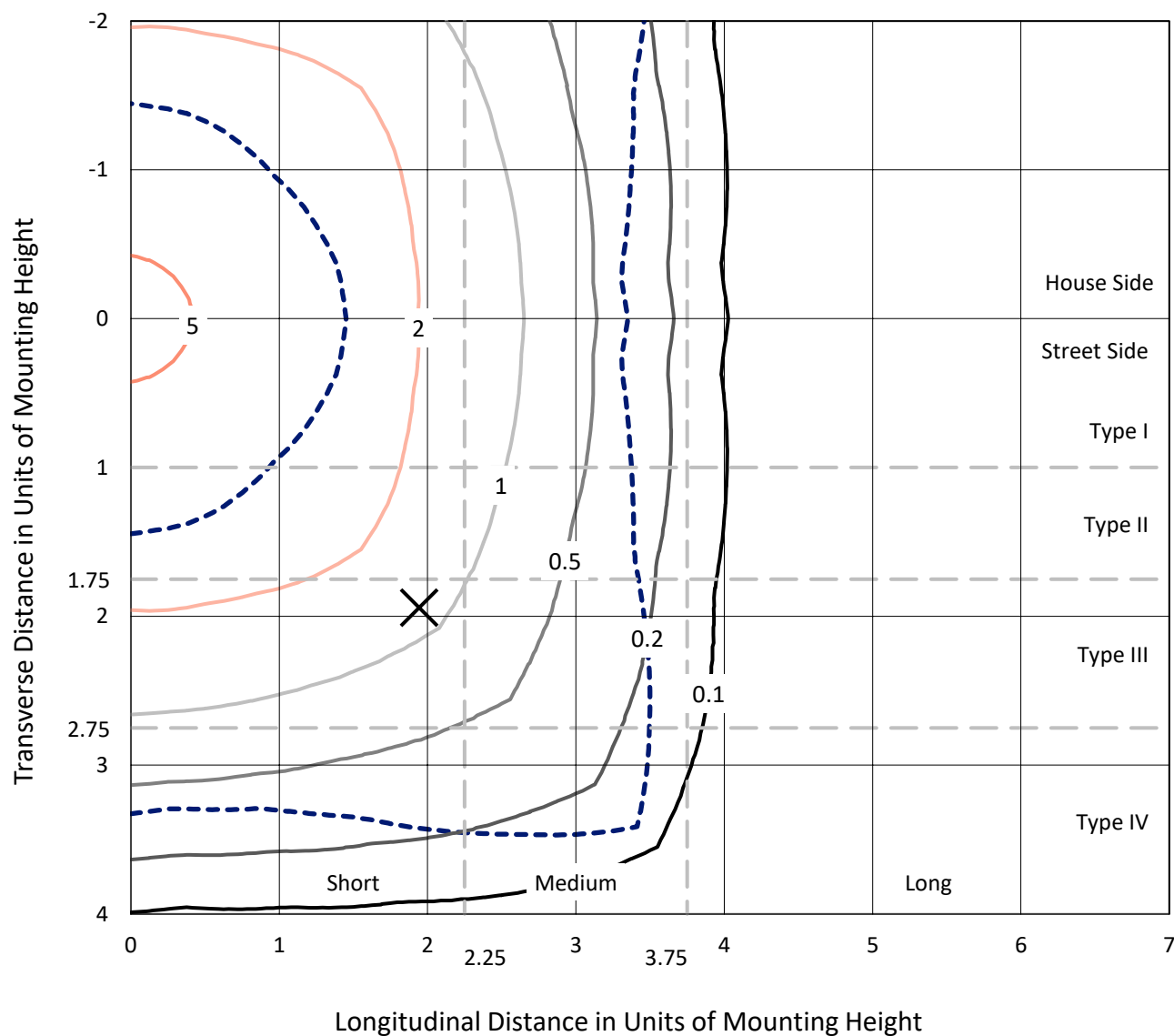
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

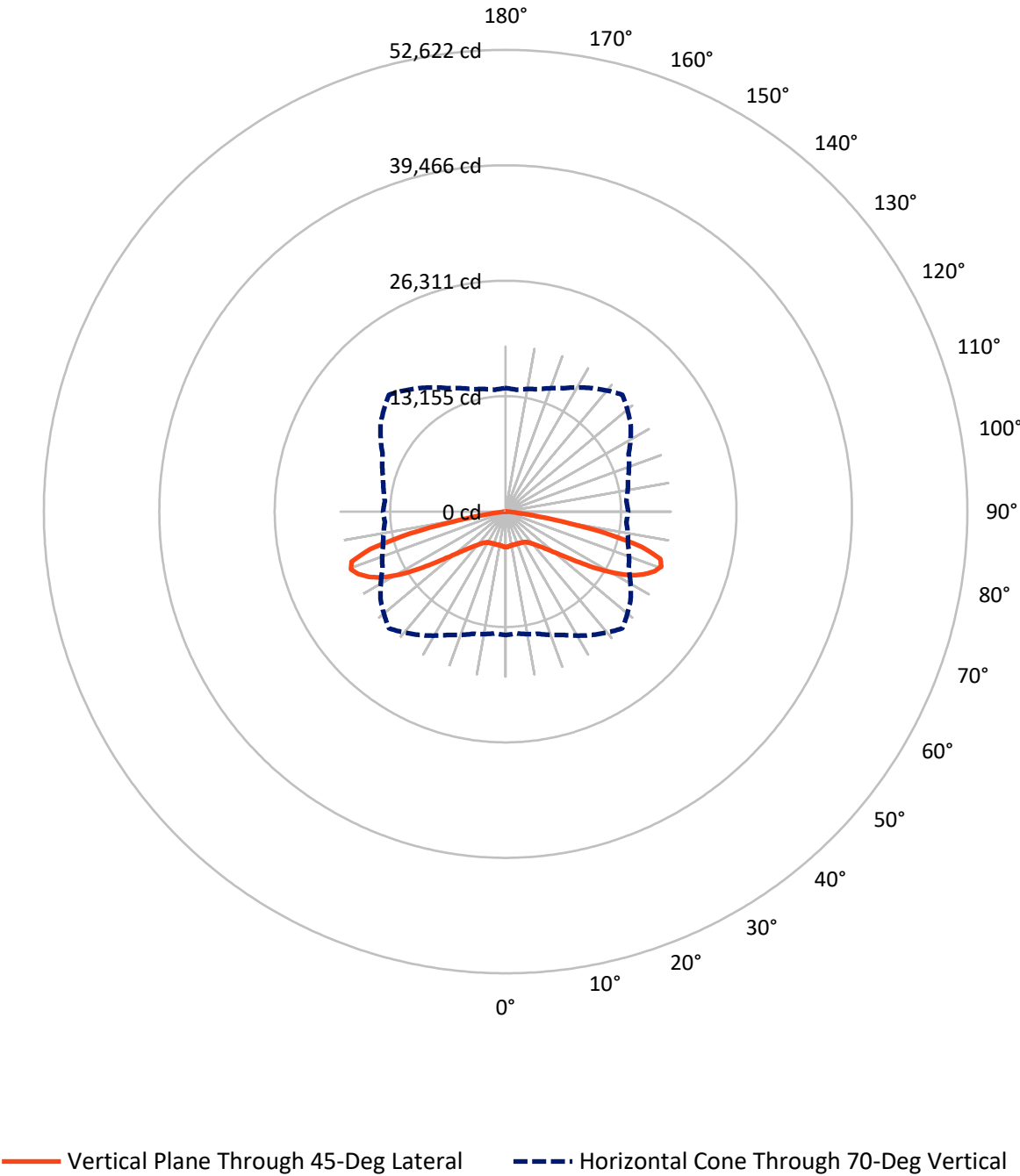


Based on 25 foot mounting height. Maximum calculated value = 6.5 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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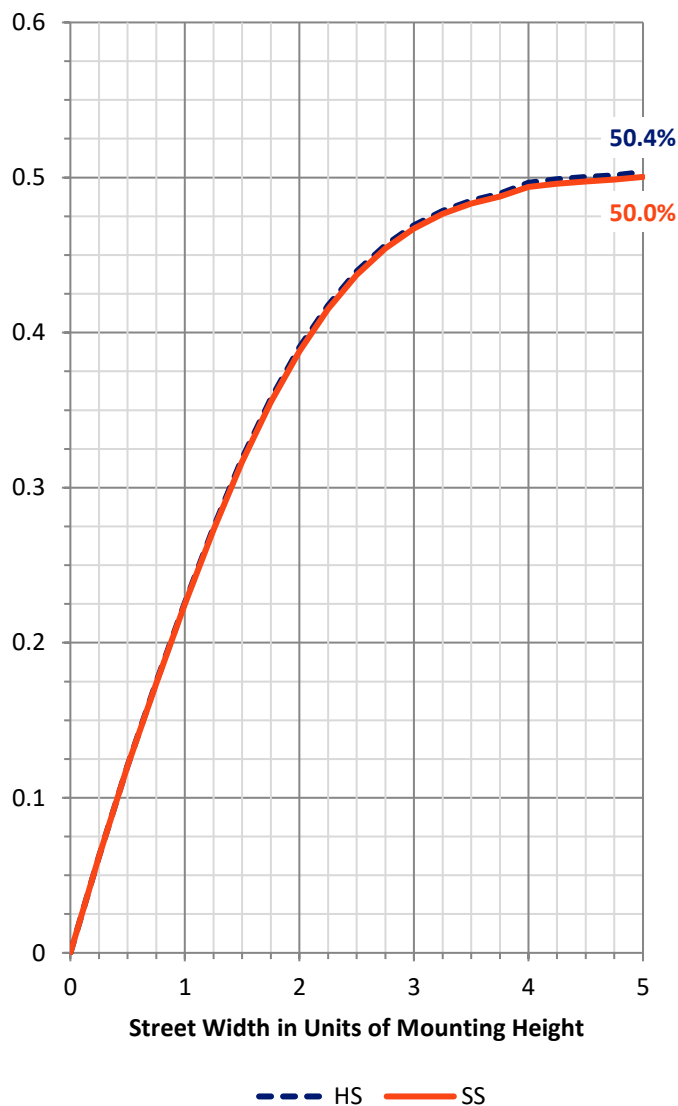
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 22278.5  | 0.0    | 22278.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 22278.5  | 0.0    | 22278.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 44557.0  | 0.0    | 44557.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 378.1   | 0.8       |
| 10°-20°   | 1110.2  | 2.5       |
| 20°-30°   | 1847.5  | 4.1       |
| 30°-40°   | 2794.0  | 6.3       |
| 40°-50°   | 4642.9  | 10.4      |
| 50°-60°   | 8761.0  | 19.7      |
| 60°-70°   | 14793.3 | 33.2      |
| 70°-80°   | 9720.7  | 21.8      |
| 80°-90°   | 509.3   | 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°    | 44557.0 | 100.0     |
| 0°-180°   | 44557.0 | 100.0     |

**Coefficient of Utilization**



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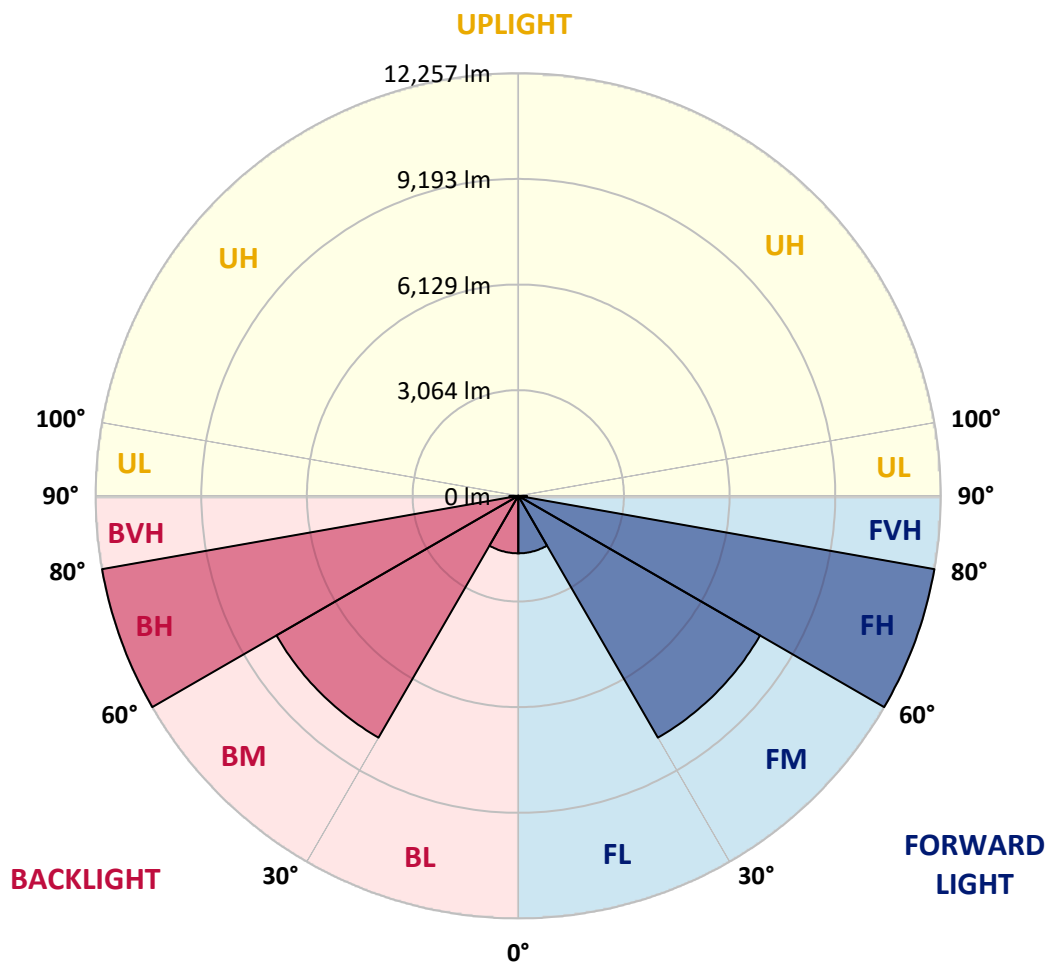
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|---------|-----------|-------------------------|------|--------|
|      |             |         |           | B                       | U    | G      |
| FL   | (0°-30°)    | 1667.9  | 3.7       |                         |      |        |
| FM   | (30°-60°)   | 8098.9  | 18.2      |                         |      |        |
| FH   | (60°-80°)   | 12257.0 | 27.5      |                         |      | G5     |
| FVH  | (80°-90°)   | 254.6   | 0.6       |                         |      | G3/500 |
| BL   | (0°-30°)    | 1667.9  | 3.7       | B3/2500                 |      |        |
| BM   | (30°-60°)   | 8098.9  | 18.2      | B4/8500                 |      |        |
| BH   | (60°-80°)   | 12257.0 | 27.5      | B5                      |      | G5     |
| BVH  | (80°-90°)   | 254.6   | 0.6       |                         |      | G3/500 |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |        |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |        |

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

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4064.5  | 4064.5  | 4064.5  | 4064.5  | 4064.5  | 4064.5  | 4064.5  | 4064.5  | 4064.5  | 4064.5  |
| 2.5°  | 4039.0  | 4050.6  | 4046.0  | 4036.7  | 4036.7  | 4029.8  | 4036.7  | 4041.3  | 4048.3  | 4052.9  |
| 5°    | 3985.8  | 3995.0  | 3992.7  | 3985.8  | 3988.1  | 3981.1  | 3985.8  | 3992.7  | 3997.3  | 3999.6  |
| 7.5°  | 3939.4  | 3948.7  | 3944.1  | 3932.5  | 3932.5  | 3925.5  | 3927.9  | 3934.8  | 3941.8  | 3944.1  |
| 10°   | 3927.9  | 3937.1  | 3923.2  | 3904.7  | 3897.7  | 3888.5  | 3890.8  | 3897.7  | 3911.6  | 3918.6  |
| 12.5° | 3932.5  | 3939.4  | 3925.5  | 3897.7  | 3890.8  | 3881.5  | 3881.5  | 3888.5  | 3907.0  | 3916.3  |
| 15°   | 3946.4  | 3953.3  | 3932.5  | 3902.4  | 3895.4  | 3888.5  | 3886.2  | 3895.4  | 3916.3  | 3932.5  |
| 17.5° | 3971.9  | 3978.8  | 3946.4  | 3904.7  | 3895.4  | 3897.7  | 3895.4  | 3902.4  | 3934.8  | 3964.9  |
| 20°   | 3995.0  | 3999.6  | 3955.6  | 3904.7  | 3895.4  | 3897.7  | 3895.4  | 3909.3  | 3951.0  | 3992.7  |
| 22.5° | 4002.0  | 4006.6  | 3964.9  | 3920.9  | 3914.0  | 3916.3  | 3914.0  | 3927.9  | 3967.2  | 4008.9  |
| 25°   | 4004.3  | 4011.2  | 3978.8  | 3944.1  | 3955.6  | 3960.3  | 3955.6  | 3958.0  | 3988.1  | 4025.1  |
| 27.5° | 4039.0  | 4048.3  | 4018.2  | 3988.1  | 3995.0  | 3992.7  | 3999.6  | 4006.6  | 4029.8  | 4066.8  |
| 30°   | 4110.8  | 4117.8  | 4092.3  | 4062.2  | 4057.5  | 4041.3  | 4062.2  | 4085.3  | 4110.8  | 4143.2  |
| 32.5° | 4228.9  | 4242.8  | 4210.4  | 4178.0  | 4157.1  | 4147.9  | 4164.1  | 4203.5  | 4238.2  | 4272.9  |
| 35°   | 4425.8  | 4435.0  | 4404.9  | 4344.7  | 4307.7  | 4307.7  | 4321.6  | 4372.5  | 4428.1  | 4472.1  |
| 37.5° | 4703.7  | 4715.3  | 4662.0  | 4590.2  | 4534.6  | 4534.6  | 4553.2  | 4606.4  | 4689.8  | 4752.3  |
| 40°   | 5041.8  | 5058.0  | 4990.9  | 4916.8  | 4863.5  | 4854.2  | 4877.4  | 4937.6  | 5016.4  | 5095.1  |
| 42.5° | 5449.4  | 5468.0  | 5380.0  | 5315.1  | 5273.4  | 5273.4  | 5285.0  | 5340.6  | 5412.4  | 5509.6  |
| 45°   | 5970.5  | 6002.9  | 5882.5  | 5817.7  | 5778.3  | 5787.6  | 5794.5  | 5843.1  | 5908.0  | 6019.2  |
| 47.5° | 6591.2  | 6623.6  | 6496.2  | 6429.1  | 6422.1  | 6466.1  | 6438.3  | 6473.1  | 6507.8  | 6635.2  |
| 50°   | 7295.2  | 7350.8  | 7262.8  | 7258.2  | 7272.1  | 7353.1  | 7288.3  | 7306.8  | 7267.5  | 7348.5  |
| 52.5° | 8156.8  | 8237.8  | 8221.6  | 8249.4  | 8404.6  | 8571.3  | 8423.1  | 8358.3  | 8210.0  | 8235.5  |
| 55°   | 9201.3  | 9324.0  | 9347.2  | 9513.9  | 9866.0  | 10206.4 | 9891.4  | 9629.7  | 9314.8  | 9256.9  |
| 57.5° | 10389.4 | 10486.6 | 10597.8 | 10938.2 | 11596.0 | 12200.4 | 11596.0 | 11017.0 | 10521.4 | 10403.3 |
| 60°   | 11667.8 | 11788.2 | 11894.7 | 12397.3 | 13374.6 | 14224.6 | 13356.1 | 12436.7 | 11781.2 | 11621.4 |
| 62.5° | 13041.1 | 13196.3 | 13270.4 | 13828.5 | 14968.0 | 15982.4 | 14984.2 | 13870.2 | 13143.0 | 12971.6 |
| 65°   | 14358.9 | 14486.3 | 14569.7 | 15164.9 | 16253.4 | 17270.1 | 16327.5 | 15229.7 | 14481.6 | 14257.0 |
| 67.5° | 14972.6 | 15042.1 | 15245.9 | 15919.9 | 17068.6 | 18228.9 | 17263.1 | 15991.6 | 15155.6 | 14761.9 |
| 70°   | 14074.0 | 13932.8 | 14423.7 | 15503.0 | 17165.8 | 18817.1 | 17388.2 | 15470.6 | 14446.9 | 13807.7 |
| 72.5° | 10875.7 | 10632.5 | 11484.8 | 13330.6 | 16054.2 | 18441.9 | 16165.3 | 13434.8 | 12015.2 | 10718.2 |
| 75°   | 5917.3  | 5641.7  | 6818.2  | 9152.6  | 12802.6 | 15984.7 | 13096.7 | 9414.3  | 7591.7  | 5873.3  |
| 77.5° | 1669.8  | 1565.6  | 2515.1  | 4428.1  | 7700.5  | 11223.1 | 7997.0  | 4525.4  | 2982.9  | 1769.4  |
| 80°   | 511.8   | 495.6   | 671.6   | 1334.0  | 3270.1  | 5375.3  | 3142.7  | 1350.2  | 854.6   | 539.6   |
| 82.5° | 303.4   | 277.9   | 333.5   | 486.3   | 833.7   | 1688.3  | 810.6   | 507.2   | 407.6   | 273.3   |
| 85°   | 173.7   | 162.1   | 196.9   | 236.2   | 280.2   | 359.0   | 233.9   | 240.9   | 217.7   | 145.9   |
| 87.5° | 71.8    | 64.8    | 76.4    | 74.1    | 64.8    | 83.4    | 62.5    | 74.1    | 88.0    | 57.9    |
| 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°     |
|---------|
| 4064.5  |
| 4050.6  |
| 3999.6  |
| 3944.1  |
| 3918.6  |
| 3918.6  |
| 3934.8  |
| 3964.9  |
| 3995.0  |
| 4008.9  |
| 4022.8  |
| 4057.5  |
| 4136.3  |
| 4259.0  |
| 4455.9  |
| 4729.2  |
| 5069.6  |
| 5502.7  |
| 6014.5  |
| 6598.1  |
| 7299.9  |
| 8149.8  |
| 9166.5  |
| 10319.9 |
| 11482.5 |
| 12832.7 |
| 14145.8 |
| 14766.5 |
| 13960.6 |
| 11040.1 |
| 6255.4  |
| 1966.2  |
| 569.7   |
| 296.4   |
| 152.9   |
| 53.3    |
| 0.0     |

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