

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: P952583

Luminaire Tested: **GLAN-SB6B-927-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952583  
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-SB6B-927-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21403 lumens  
Efficiency: N/A  
Efficacy: 97.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B4 - U0 - G4

Input Watts (W): 220.4  
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

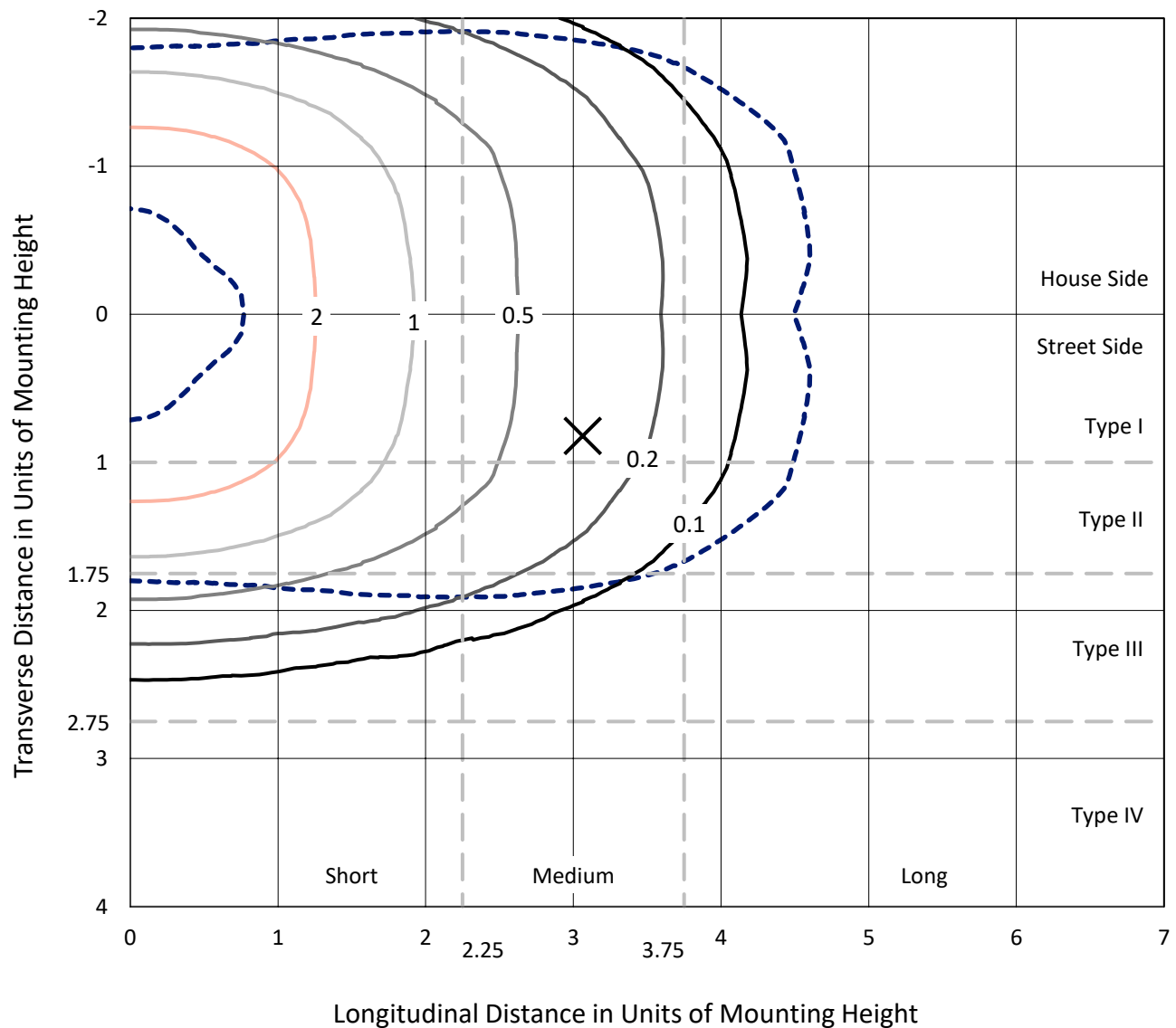


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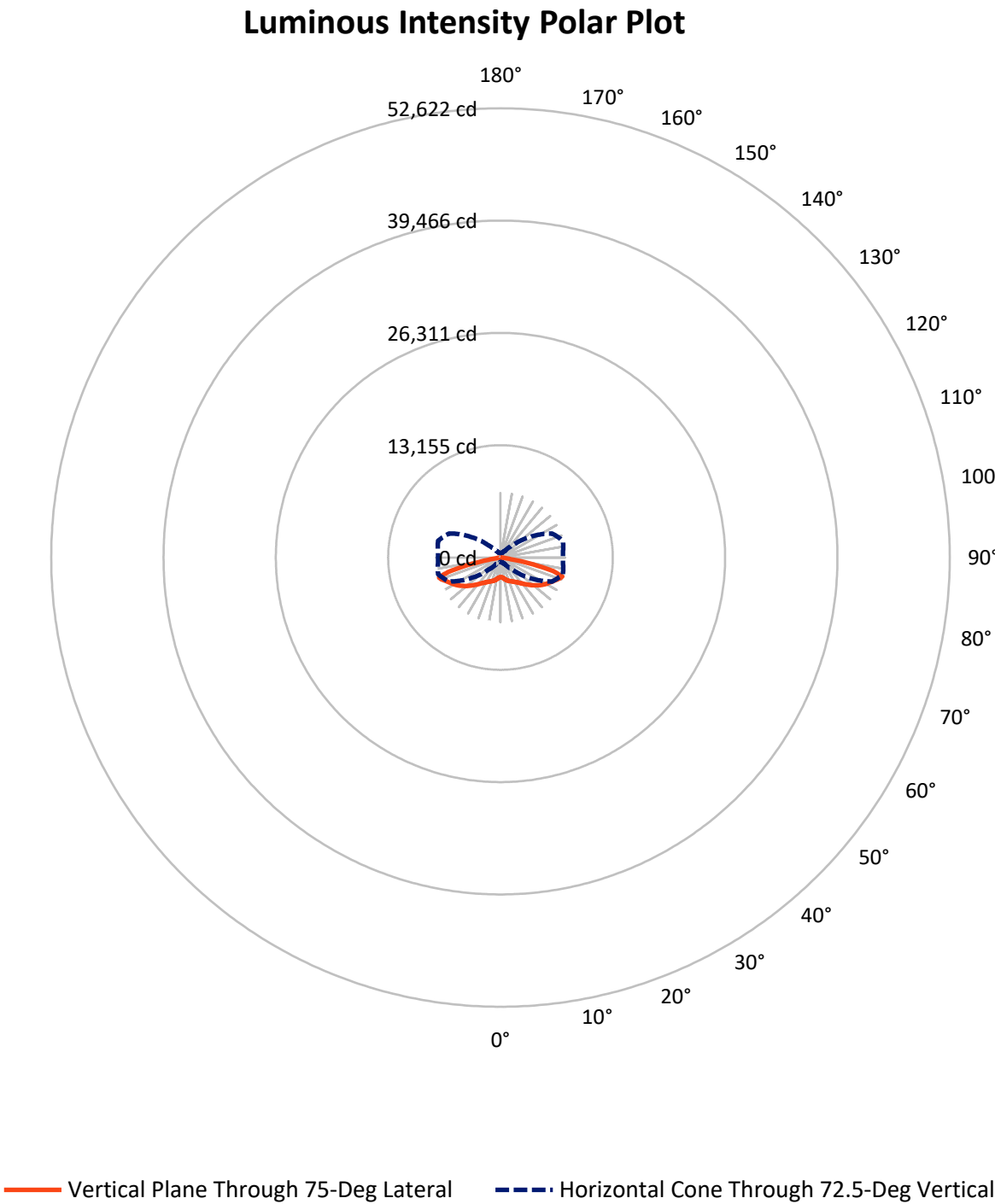
## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc  
Type III - Medium - N/A

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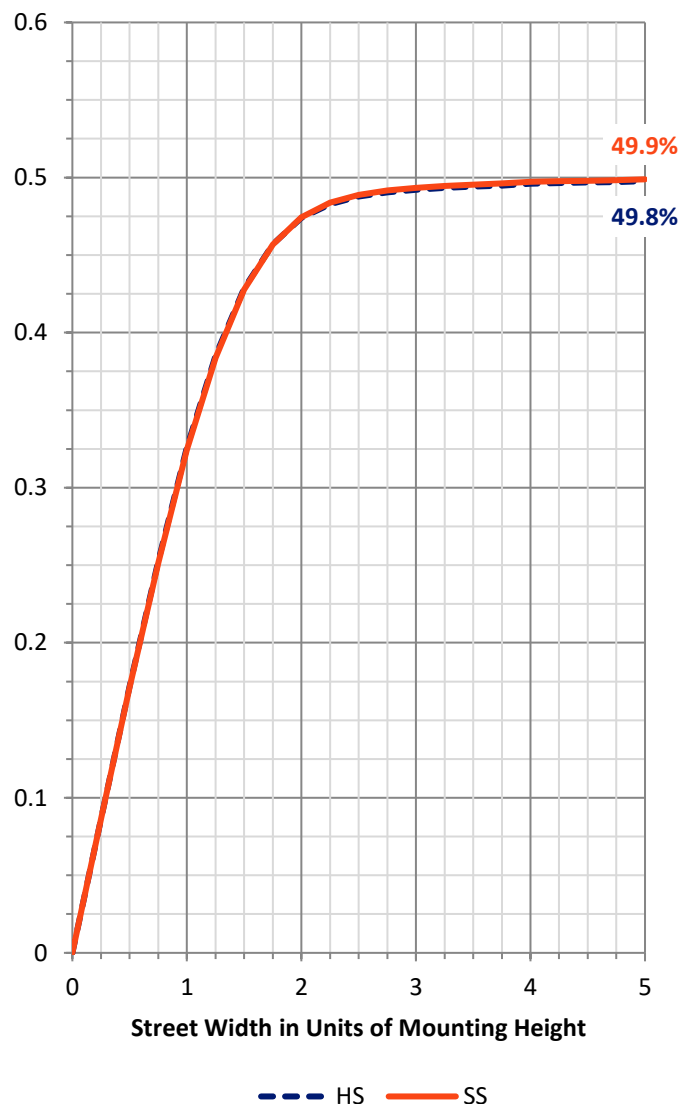
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 10701.5  | 0.0    | 10701.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 10701.5  | 0.0    | 10701.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 21403.0  | 0.0    | 21403.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 224.6   | 1.0       |
| 10°-20°   | 740.7   | 3.5       |
| 20°-30°   | 1431.3  | 6.7       |
| 30°-40°   | 2416.8  | 11.3      |
| 40°-50°   | 3832.8  | 17.9      |
| 50°-60°   | 5131.7  | 24.0      |
| 60°-70°   | 4883.7  | 22.8      |
| 70°-80°   | 2548.4  | 11.9      |
| 80°-90°   | 192.9   | 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°    | 21403.0 | 100.0     |
| 0°-180°   | 21403.0 | 100.0     |

**Coefficient of Utilization**



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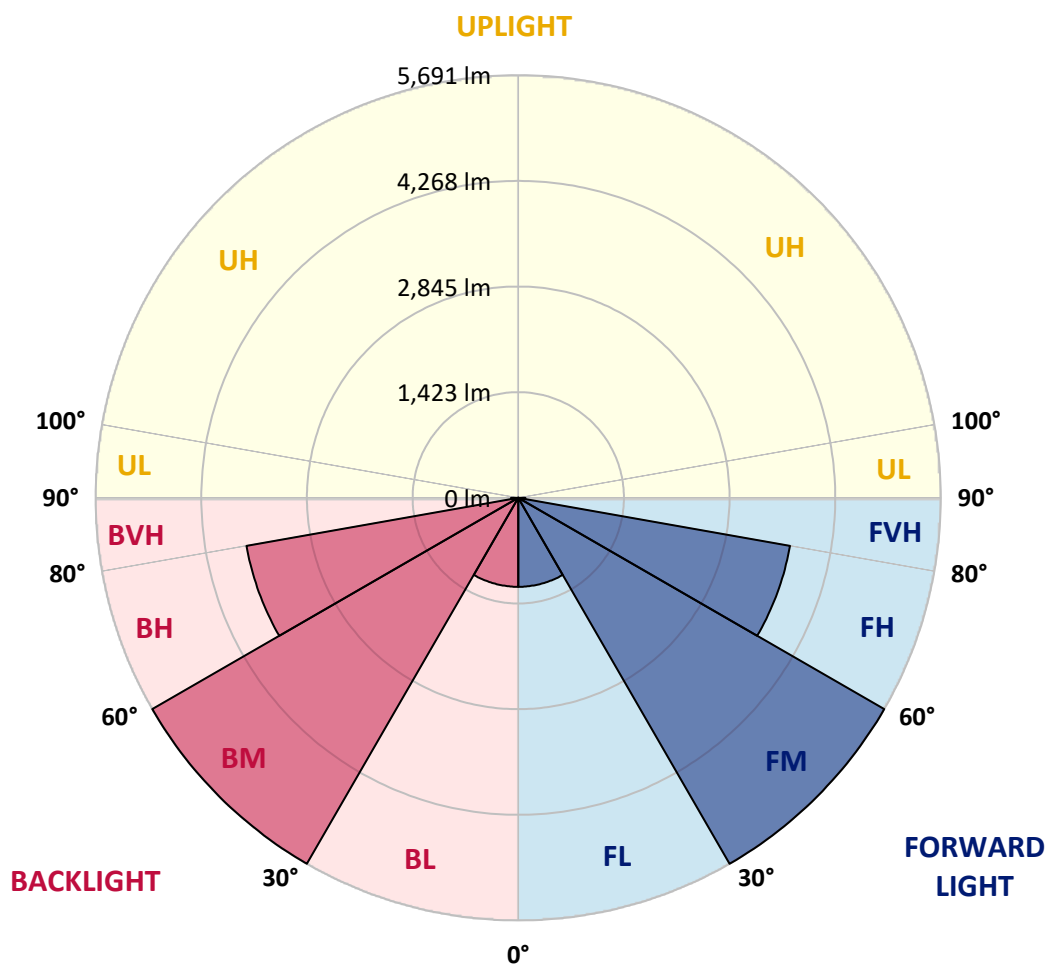
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1198.3 | 5.6       |                         |      |         |
| FM   | (30°-60°)   | 5690.7 | 26.6      |                         |      |         |
| FH   | (60°-80°)   | 3716.1 | 17.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 96.5   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 1198.3 | 5.6       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 5690.7 | 26.6      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 3716.1 | 17.4      | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 96.5   | 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 III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2292.6 | 2292.6 | 2292.6 | 2292.6 | 2292.6 | 2292.6 | 2292.6 | 2292.6 | 2292.6 | 2292.6 |
| 2.5°  | 2292.6 | 2290.5 | 2292.6 | 2294.8 | 2293.7 | 2293.7 | 2299.2 | 2302.5 | 2309.0 | 2307.9 |
| 5°    | 2277.3 | 2276.3 | 2285.0 | 2294.8 | 2302.5 | 2315.6 | 2332.0 | 2344.0 | 2359.3 | 2362.6 |
| 7.5°  | 2269.7 | 2266.4 | 2281.7 | 2299.2 | 2323.2 | 2356.0 | 2387.7 | 2420.5 | 2446.7 | 2455.5 |
| 10°   | 2275.2 | 2276.3 | 2297.0 | 2329.8 | 2368.0 | 2413.9 | 2458.7 | 2514.5 | 2551.6 | 2560.4 |
| 12.5° | 2300.3 | 2298.1 | 2333.1 | 2385.5 | 2438.0 | 2495.9 | 2548.4 | 2609.5 | 2650.0 | 2670.7 |
| 15°   | 2346.2 | 2341.8 | 2391.0 | 2468.6 | 2545.1 | 2612.8 | 2655.4 | 2713.4 | 2760.4 | 2786.6 |
| 17.5° | 2400.8 | 2403.0 | 2467.5 | 2568.0 | 2668.6 | 2745.1 | 2785.5 | 2815.0 | 2851.1 | 2874.0 |
| 20°   | 2497.0 | 2501.4 | 2573.5 | 2692.6 | 2807.3 | 2894.8 | 2927.5 | 2916.6 | 2926.5 | 2943.9 |
| 22.5° | 2625.9 | 2628.1 | 2709.0 | 2837.9 | 2958.1 | 3054.3 | 3076.2 | 3031.4 | 3004.0 | 3016.1 |
| 25°   | 2775.7 | 2789.9 | 2870.7 | 3002.9 | 3126.4 | 3218.2 | 3228.1 | 3160.3 | 3092.6 | 3095.8 |
| 27.5° | 2958.1 | 2971.3 | 3053.2 | 3184.3 | 3310.0 | 3389.8 | 3388.7 | 3298.0 | 3198.6 | 3173.4 |
| 30°   | 3155.9 | 3170.1 | 3254.3 | 3389.8 | 3506.7 | 3576.7 | 3561.4 | 3453.2 | 3311.1 | 3264.1 |
| 32.5° | 3390.9 | 3399.6 | 3484.9 | 3620.4 | 3728.6 | 3784.3 | 3752.6 | 3619.3 | 3442.2 | 3388.7 |
| 35°   | 3675.0 | 3688.1 | 3751.5 | 3879.4 | 3974.4 | 4020.3 | 3966.8 | 3809.4 | 3610.5 | 3550.4 |
| 37.5° | 3999.6 | 3990.8 | 4062.9 | 4176.6 | 4255.3 | 4283.7 | 4210.5 | 4023.6 | 3802.9 | 3731.8 |
| 40°   | 4338.3 | 4334.0 | 4412.6 | 4521.9 | 4564.5 | 4582.0 | 4473.8 | 4269.5 | 4024.7 | 3948.2 |
| 42.5° | 4645.4 | 4642.1 | 4748.1 | 4869.4 | 4920.8 | 4901.1 | 4764.5 | 4530.7 | 4281.5 | 4194.1 |
| 45°   | 4891.3 | 4886.9 | 5016.9 | 5187.4 | 5287.9 | 5255.2 | 5071.6 | 4819.1 | 4541.6 | 4450.9 |
| 47.5° | 5080.3 | 5082.5 | 5222.4 | 5433.3 | 5609.2 | 5621.2 | 5385.2 | 5113.1 | 4827.9 | 4725.2 |
| 50°   | 5216.9 | 5223.5 | 5373.2 | 5607.0 | 5847.4 | 5953.4 | 5705.4 | 5414.7 | 5124.0 | 5008.2 |
| 52.5° | 5250.8 | 5262.8 | 5443.1 | 5717.4 | 6000.4 | 6202.6 | 6031.0 | 5704.3 | 5404.9 | 5294.5 |
| 55°   | 5070.5 | 5094.5 | 5322.9 | 5708.7 | 6094.4 | 6366.5 | 6317.3 | 5998.2 | 5687.9 | 5574.3 |
| 57.5° | 4656.3 | 4690.2 | 4956.8 | 5460.6 | 6073.7 | 6479.1 | 6539.2 | 6280.2 | 5970.9 | 5861.7 |
| 60°   | 4076.1 | 4116.5 | 4372.2 | 4921.9 | 5780.8 | 6520.6 | 6695.4 | 6554.5 | 6231.0 | 6125.0 |
| 62.5° | 3200.7 | 3253.2 | 3559.2 | 4203.9 | 5162.3 | 6327.2 | 6828.8 | 6802.5 | 6464.9 | 6332.6 |
| 65°   | 2053.3 | 2109.1 | 2431.4 | 3193.1 | 4337.2 | 5734.9 | 6870.3 | 7044.0 | 6711.8 | 6527.2 |
| 67.5° | 1238.1 | 1263.2 | 1422.8 | 1935.3 | 3170.1 | 4842.1 | 6518.4 | 7311.8 | 7000.3 | 6770.8 |
| 70°   | 792.3  | 806.5  | 901.5  | 1136.5 | 1792.2 | 3532.9 | 5646.4 | 7362.0 | 7350.0 | 7021.1 |
| 72.5° | 537.6  | 542.0  | 567.2  | 673.2  | 1014.1 | 2007.4 | 4164.6 | 6664.8 | 7568.6 | 7343.5 |
| 75°   | 393.4  | 417.4  | 457.9  | 476.5  | 575.9  | 1003.2 | 2386.6 | 4682.5 | 6378.5 | 6476.9 |
| 77.5° | 292.9  | 294.0  | 349.7  | 371.5  | 410.9  | 534.4  | 1009.7 | 2613.9 | 3960.2 | 4158.0 |
| 80°   | 248.1  | 234.9  | 233.9  | 299.4  | 309.3  | 333.3  | 451.3  | 902.6  | 1418.4 | 860.0  |
| 82.5° | 206.5  | 192.3  | 173.8  | 233.9  | 210.9  | 204.3  | 195.6  | 367.2  | 451.3  | 221.8  |
| 85°   | 144.2  | 137.7  | 131.1  | 153.0  | 120.2  | 102.7  | 94.0   | 171.6  | 190.1  | 94.0   |
| 87.5° | 62.3   | 64.5   | 65.6   | 67.8   | 50.3   | 36.1   | 36.1   | 48.1   | 48.1   | 37.2   |
| 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°    |
|--------|
| 2292.6 |
| 2306.9 |
| 2362.6 |
| 2457.7 |
| 2569.1 |
| 2679.5 |
| 2796.4 |
| 2884.9 |
| 2957.1 |
| 3024.8 |
| 3101.3 |
| 3181.1 |
| 3269.6 |
| 3401.8 |
| 3559.2 |
| 3744.9 |
| 3973.3 |
| 4215.9 |
| 4471.6 |
| 4755.8 |
| 5043.2 |
| 5322.9 |
| 5605.9 |
| 5886.8 |
| 6148.0 |
| 6347.9 |
| 6550.1 |
| 6788.3 |
| 7018.9 |
| 7308.5 |
| 6238.7 |
| 3708.9 |
| 650.2  |
| 189.1  |
| 83.1   |
| 27.3   |
| 0.0    |