

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: P949559

Luminaire Tested: **GLAN-SB4B-740-U-RW**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P949559  
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-SB4B-740-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

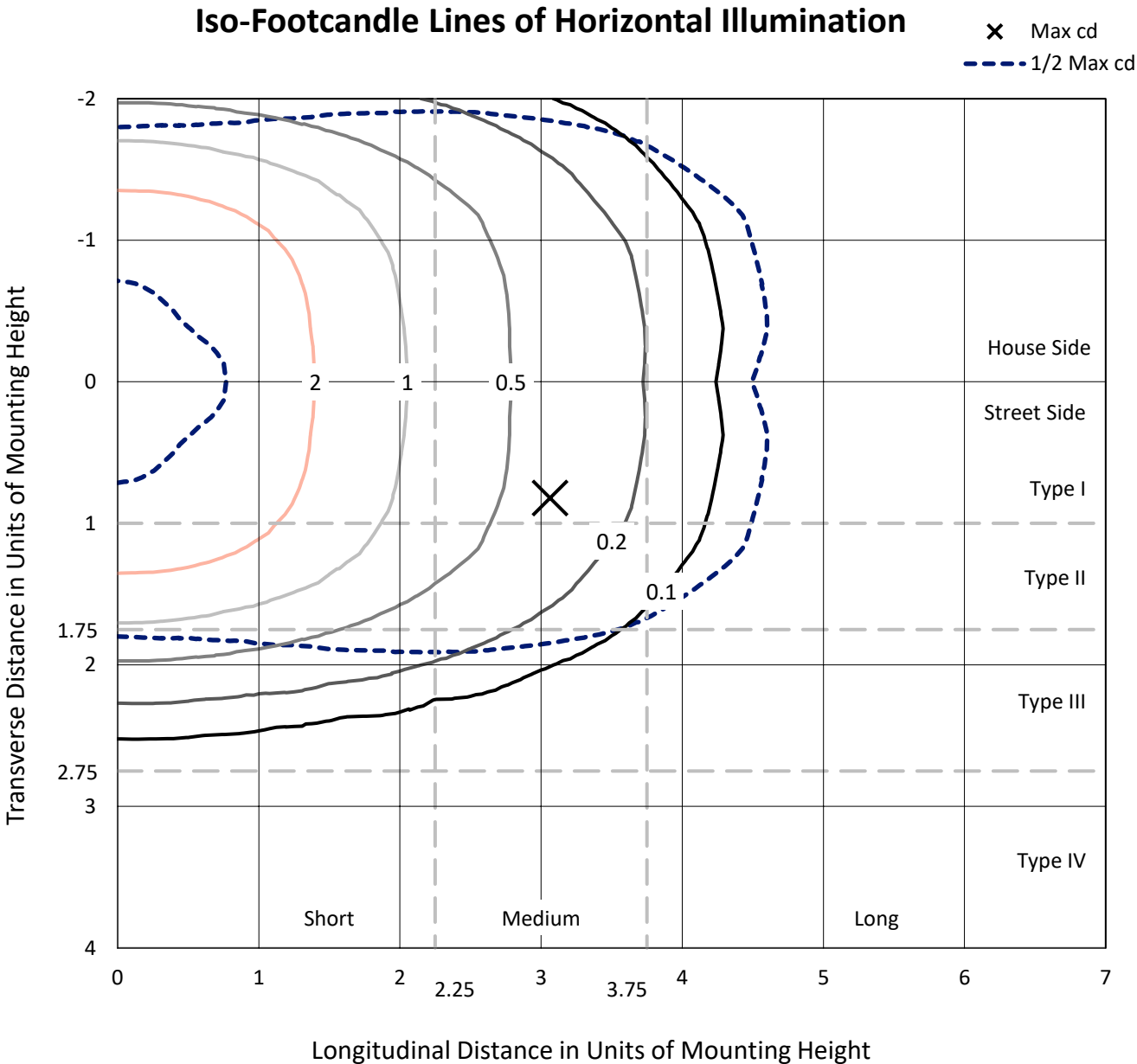
### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 24587 lumens  
Efficiency: N/A  
Efficacy: 167.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B4 - U0 - G4

Input Watts (W): 147  
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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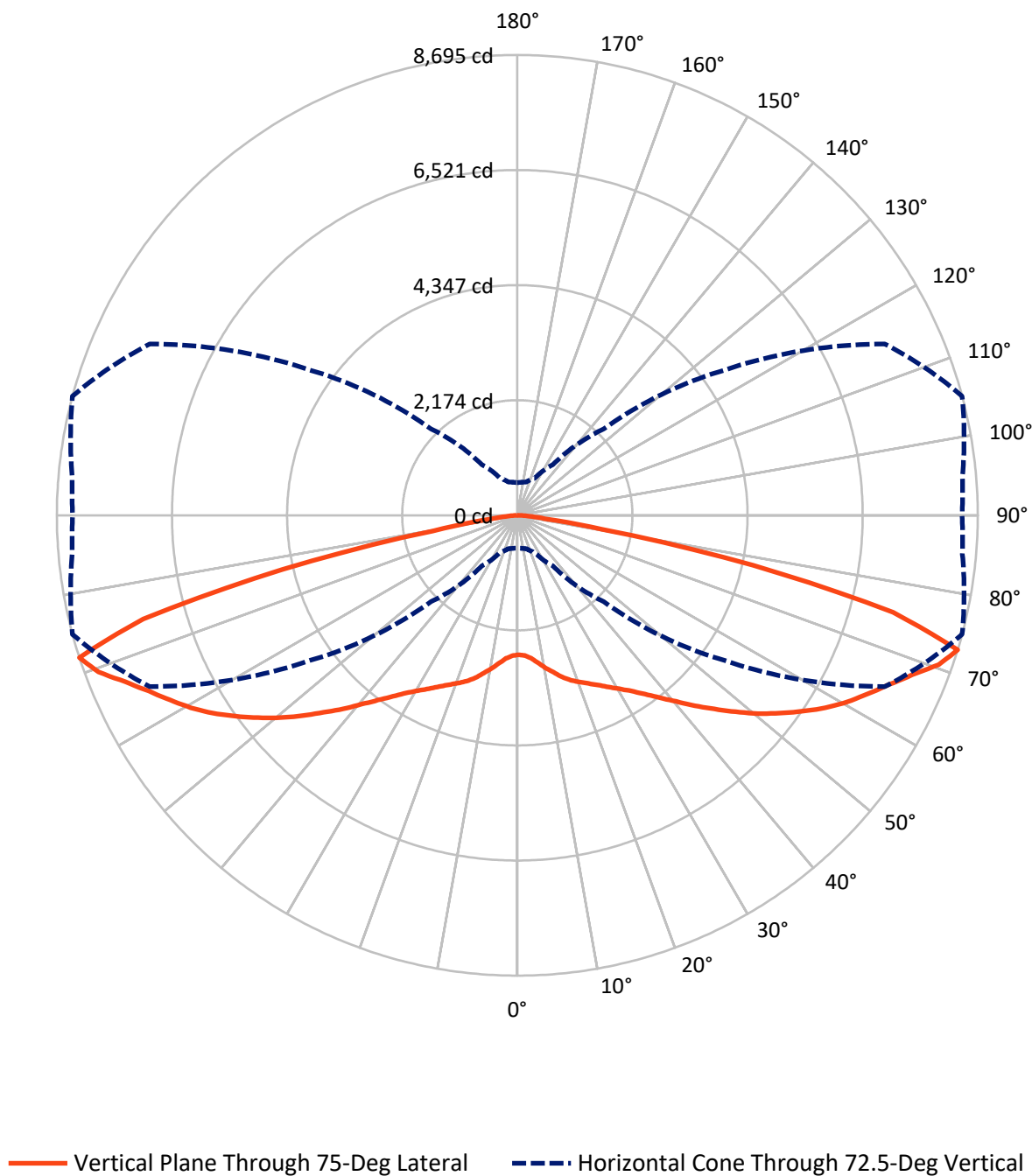


Based on 25 foot mounting height. Maximum calculated value = 4.6 fc  
Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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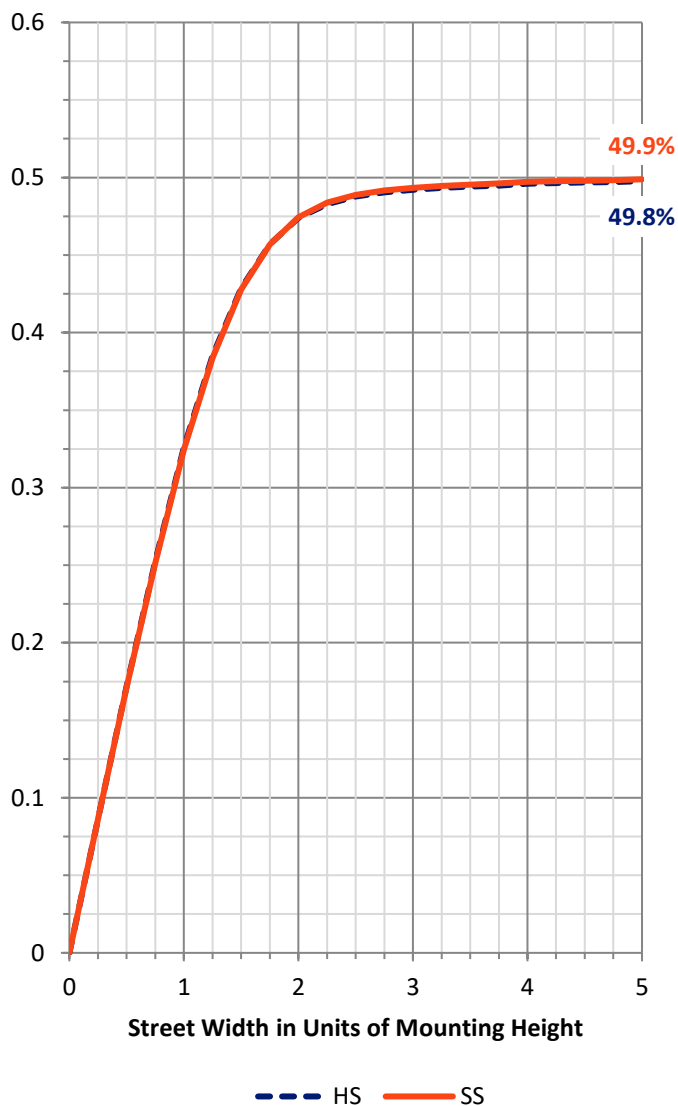
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 12293.5  | 0.0    | 12293.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 12293.5  | 0.0    | 12293.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 24587.0  | 0.0    | 24587.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 258.0   | 1.0       |
| 10°-20°   | 850.9   | 3.5       |
| 20°-30°   | 1644.2  | 6.7       |
| 30°-40°   | 2776.4  | 11.3      |
| 40°-50°   | 4403.0  | 17.9      |
| 50°-60°   | 5895.1  | 24.0      |
| 60°-70°   | 5610.2  | 22.8      |
| 70°-80°   | 2927.5  | 11.9      |
| 80°-90°   | 221.6   | 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°    | 24587.0 | 100.0     |
| 0°-180°   | 24587.0 | 100.0     |

**Coefficient of Utilization**



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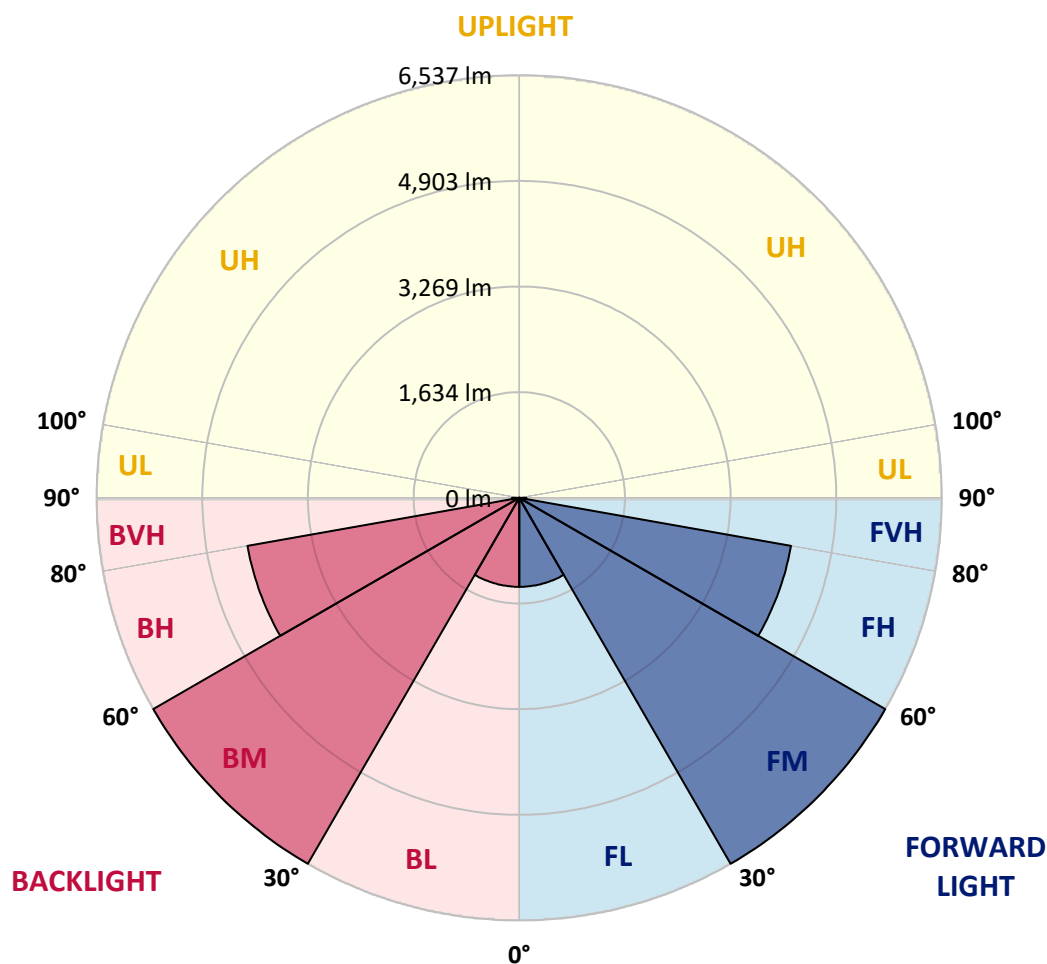
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1376.6 | 5.6       |                         |      |         |
| FM   | (30°-60°)   | 6537.2 | 26.6      |                         |      |         |
| FH   | (60°-80°)   | 4268.9 | 17.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 110.8  | 0.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1376.6 | 5.6       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 6537.2 | 26.6      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 4268.9 | 17.4      | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 110.8  | 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 III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2633.7 | 2633.7 | 2633.7 | 2633.7 | 2633.7 | 2633.7 | 2633.7 | 2633.7 | 2633.7 | 2633.7 |
| 2.5°  | 2633.7 | 2631.2 | 2633.7 | 2636.2 | 2635.0 | 2635.0 | 2641.2 | 2645.0 | 2652.5 | 2651.3 |
| 5°    | 2616.1 | 2614.9 | 2624.9 | 2636.2 | 2645.0 | 2660.1 | 2678.9 | 2692.7 | 2710.3 | 2714.0 |
| 7.5°  | 2607.3 | 2603.6 | 2621.2 | 2641.2 | 2668.9 | 2706.5 | 2742.9 | 2780.6 | 2810.7 | 2820.8 |
| 10°   | 2613.6 | 2614.9 | 2638.7 | 2676.4 | 2720.3 | 2773.1 | 2824.5 | 2888.5 | 2931.2 | 2941.3 |
| 12.5° | 2642.5 | 2640.0 | 2680.2 | 2740.4 | 2800.7 | 2867.2 | 2927.5 | 2997.8 | 3044.2 | 3068.1 |
| 15°   | 2695.2 | 2690.2 | 2746.7 | 2835.8 | 2923.7 | 3001.5 | 3050.5 | 3117.0 | 3171.0 | 3201.1 |
| 17.5° | 2758.0 | 2760.5 | 2834.6 | 2950.1 | 3065.5 | 3153.4 | 3199.9 | 3233.8 | 3275.2 | 3301.5 |
| 20°   | 2868.5 | 2873.5 | 2956.3 | 3093.2 | 3225.0 | 3325.4 | 3363.1 | 3350.5 | 3361.8 | 3381.9 |
| 22.5° | 3016.6 | 3019.1 | 3112.0 | 3260.1 | 3398.2 | 3508.7 | 3533.8 | 3482.3 | 3450.9 | 3464.7 |
| 25°   | 3188.6 | 3204.9 | 3297.8 | 3449.7 | 3591.5 | 3697.0 | 3708.3 | 3630.4 | 3552.6 | 3556.4 |
| 27.5° | 3398.2 | 3413.3 | 3507.4 | 3658.1 | 3802.4 | 3894.1 | 3892.8 | 3788.6 | 3674.4 | 3645.5 |
| 30°   | 3625.4 | 3641.7 | 3738.4 | 3894.1 | 4028.4 | 4108.7 | 4091.2 | 3966.9 | 3803.7 | 3749.7 |
| 32.5° | 3895.3 | 3905.4 | 4003.3 | 4158.9 | 4283.2 | 4347.2 | 4310.8 | 4157.7 | 3954.3 | 3892.8 |
| 35°   | 4221.7 | 4236.8 | 4309.6 | 4456.5 | 4565.7 | 4618.4 | 4556.9 | 4376.1 | 4147.7 | 4078.6 |
| 37.5° | 4594.6 | 4584.5 | 4667.4 | 4797.9 | 4888.3 | 4920.9 | 4836.8 | 4622.2 | 4368.6 | 4287.0 |
| 40°   | 4983.7 | 4978.7 | 5069.1 | 5194.6 | 5243.6 | 5263.6 | 5139.4 | 4904.6 | 4623.4 | 4535.6 |
| 42.5° | 5336.5 | 5332.7 | 5454.5 | 5593.8 | 5652.8 | 5630.2 | 5473.3 | 5204.6 | 4918.4 | 4818.0 |
| 45°   | 5618.9 | 5613.9 | 5763.3 | 5959.1 | 6074.6 | 6036.9 | 5826.0 | 5536.1 | 5217.2 | 5113.0 |
| 47.5° | 5836.1 | 5838.6 | 5999.3 | 6241.6 | 6443.7 | 6457.5 | 6186.3 | 5873.7 | 5546.1 | 5428.1 |
| 50°   | 5993.0 | 6000.5 | 6172.5 | 6441.2 | 6717.3 | 6839.1 | 6554.1 | 6220.2 | 5886.3 | 5753.2 |
| 52.5° | 6031.9 | 6045.7 | 6252.9 | 6568.0 | 6893.1 | 7125.3 | 6928.2 | 6552.9 | 6208.9 | 6082.1 |
| 55°   | 5824.8 | 5852.4 | 6114.8 | 6557.9 | 7001.0 | 7313.6 | 7257.1 | 6890.6 | 6534.1 | 6403.5 |
| 57.5° | 5349.0 | 5387.9 | 5694.2 | 6272.9 | 6977.2 | 7442.9 | 7512.0 | 7214.5 | 6859.2 | 6733.7 |
| 60°   | 4682.4 | 4728.9 | 5022.6 | 5654.1 | 6640.8 | 7490.6 | 7691.5 | 7529.5 | 7158.0 | 7036.2 |
| 62.5° | 3676.9 | 3737.2 | 4088.6 | 4829.3 | 5930.2 | 7268.4 | 7844.6 | 7814.5 | 7426.6 | 7274.7 |
| 65°   | 2358.8 | 2422.8 | 2793.1 | 3668.1 | 4982.5 | 6588.0 | 7892.3 | 8091.9 | 7710.3 | 7498.2 |
| 67.5° | 1422.3 | 1451.2 | 1634.5 | 2223.2 | 3641.7 | 5562.4 | 7488.1 | 8399.5 | 8041.7 | 7778.1 |
| 70°   | 910.1  | 926.4  | 1035.7 | 1305.6 | 2058.8 | 4058.5 | 6486.4 | 8457.2 | 8443.4 | 8065.6 |
| 72.5° | 617.6  | 622.6  | 651.5  | 773.3  | 1165.0 | 2306.1 | 4784.1 | 7656.3 | 8694.5 | 8435.9 |
| 75°   | 451.9  | 479.5  | 526.0  | 547.3  | 661.6  | 1152.4 | 2741.7 | 5379.1 | 7327.4 | 7440.4 |
| 77.5° | 336.4  | 337.7  | 401.7  | 426.8  | 472.0  | 613.9  | 1159.9 | 3002.8 | 4549.4 | 4776.6 |
| 80°   | 285.0  | 269.9  | 268.6  | 344.0  | 355.3  | 382.9  | 518.5  | 1036.9 | 1629.4 | 988.0  |
| 82.5° | 237.3  | 220.9  | 199.6  | 268.6  | 242.3  | 234.7  | 224.7  | 421.8  | 518.5  | 254.8  |
| 85°   | 165.7  | 158.2  | 150.6  | 175.7  | 138.1  | 118.0  | 108.0  | 197.1  | 218.4  | 108.0  |
| 87.5° | 71.6   | 74.1   | 75.3   | 77.8   | 57.7   | 41.4   | 41.4   | 55.2   | 55.2   | 42.7   |
| 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°    |
|--------|
| 2633.7 |
| 2650.0 |
| 2714.0 |
| 2823.3 |
| 2951.3 |
| 3078.1 |
| 3212.4 |
| 3314.1 |
| 3397.0 |
| 3474.8 |
| 3562.7 |
| 3654.3 |
| 3756.0 |
| 3907.9 |
| 4088.6 |
| 4302.1 |
| 4564.4 |
| 4843.1 |
| 5136.9 |
| 5463.2 |
| 5793.4 |
| 6114.8 |
| 6439.9 |
| 6762.5 |
| 7062.6 |
| 7292.3 |
| 7524.5 |
| 7798.2 |
| 8063.1 |
| 8395.7 |
| 7166.7 |
| 4260.6 |
| 746.9  |
| 217.2  |
| 95.4   |
| 31.4   |
| 0.0    |

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