

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: P948194

Luminaire Tested: **GLAN-SB3B-827-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948194  
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-SB3B-827-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15129 lumens  
Efficiency: N/A  
Efficacy: 138.5 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): 109.2  
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

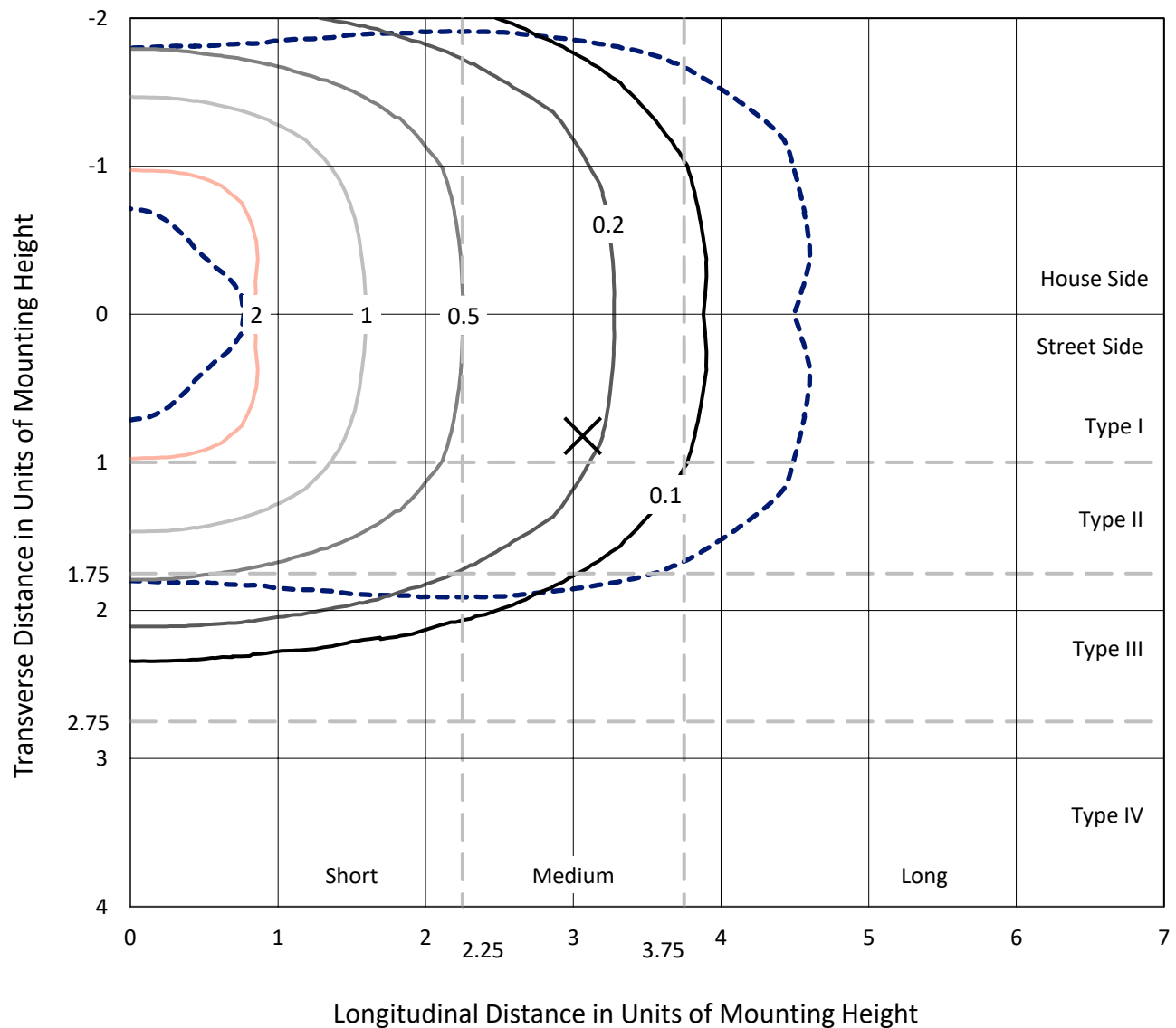


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## Iso-Footcandle Lines of Horizontal Illumination

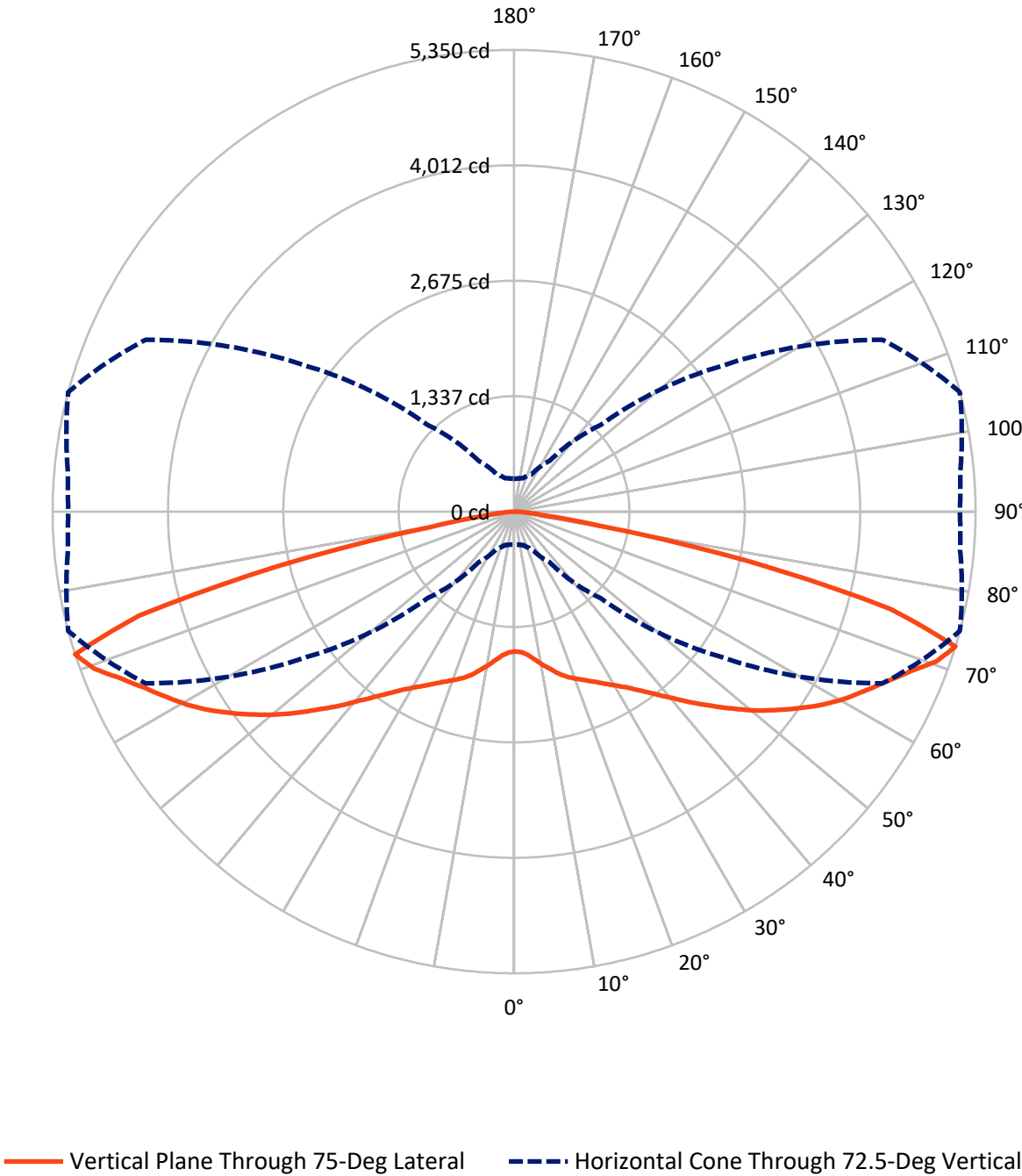
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc  
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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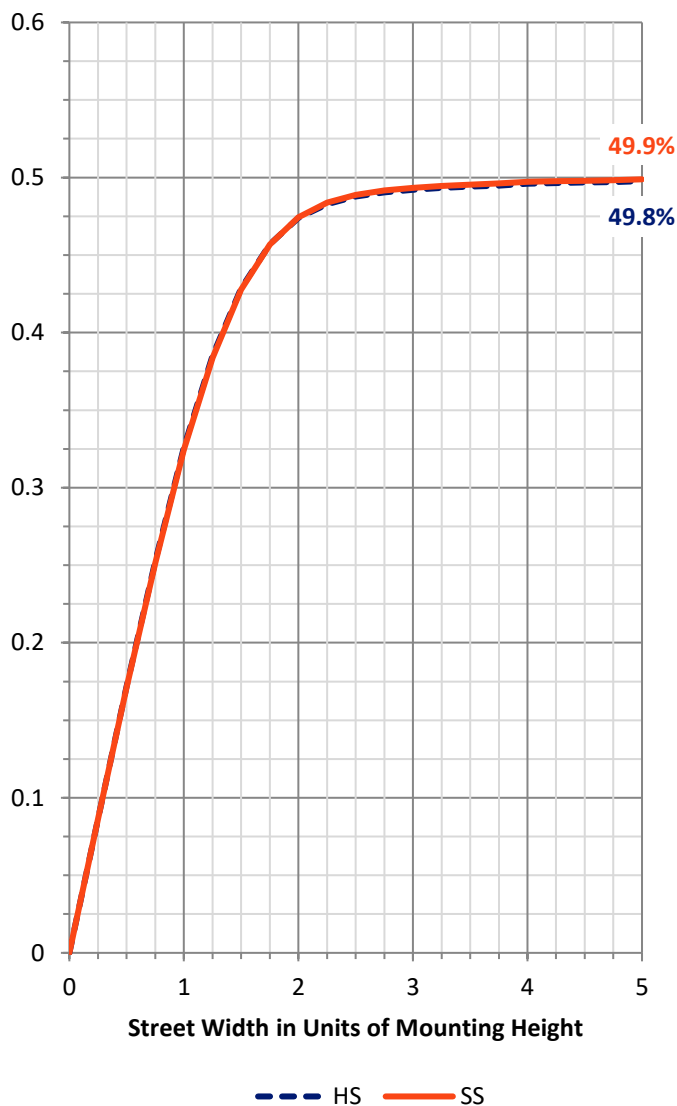
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7564.5   | 0.0    | 7564.5  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 7564.5   | 0.0    | 7564.5  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 15129.0  | 0.0    | 15129.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 158.8   | 1.0       |
| 10°-20°   | 523.6   | 3.5       |
| 20°-30°   | 1011.7  | 6.7       |
| 30°-40°   | 1708.4  | 11.3      |
| 40°-50°   | 2709.3  | 17.9      |
| 50°-60°   | 3627.4  | 24.0      |
| 60°-70°   | 3452.1  | 22.8      |
| 70°-80°   | 1801.4  | 11.9      |
| 80°-90°   | 136.4   | 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°    | 15129.0 | 100.0     |
| 0°-180°   | 15129.0 | 100.0     |

**Coefficient of Utilization**



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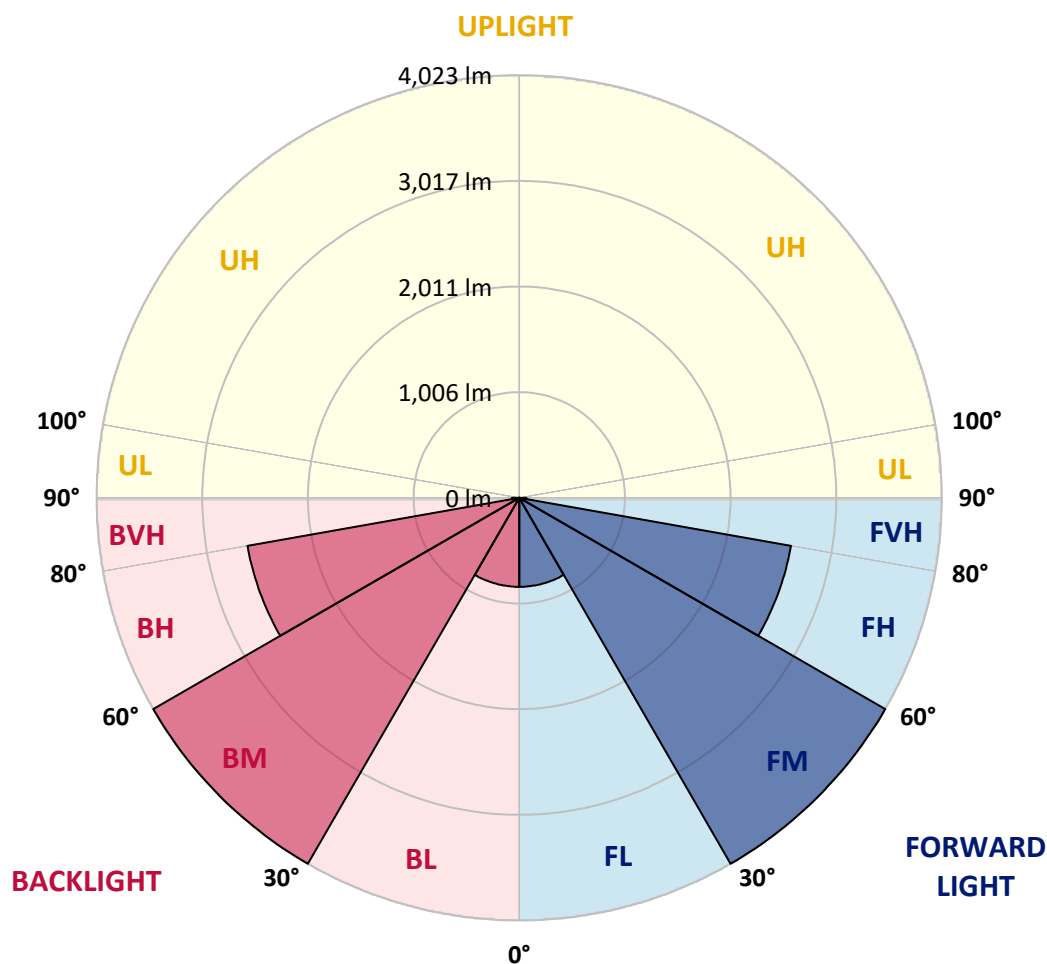
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 847.0  | 5.6       |                         |      |         |
| FM   | (30°-60°)   | 4022.5 | 26.6      |                         |      |         |
| FH   | (60°-80°)   | 2626.8 | 17.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 68.2   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 847.0  | 5.6       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 4022.5 | 26.6      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 2626.8 | 17.4      | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 68.2   | 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°    | 1620.6 | 1620.6 | 1620.6 | 1620.6 | 1620.6 | 1620.6 | 1620.6 | 1620.6 | 1620.6 | 1620.6 |
| 2.5°  | 1620.6 | 1619.0 | 1620.6 | 1622.1 | 1621.4 | 1621.4 | 1625.2 | 1627.5 | 1632.2 | 1631.4 |
| 5°    | 1609.8 | 1609.0 | 1615.2 | 1622.1 | 1627.5 | 1636.8 | 1648.4 | 1656.9 | 1667.7 | 1670.0 |
| 7.5°  | 1604.4 | 1602.0 | 1612.9 | 1625.2 | 1642.2 | 1665.4 | 1687.8 | 1711.0 | 1729.5 | 1735.7 |
| 10°   | 1608.2 | 1609.0 | 1623.7 | 1646.8 | 1673.9 | 1706.3 | 1738.0 | 1777.4 | 1803.7 | 1809.8 |
| 12.5° | 1626.0 | 1624.4 | 1649.2 | 1686.2 | 1723.3 | 1764.3 | 1801.3 | 1844.6 | 1873.2 | 1887.9 |
| 15°   | 1658.4 | 1655.3 | 1690.1 | 1745.0 | 1799.0 | 1846.9 | 1877.0 | 1918.0 | 1951.2 | 1969.7 |
| 17.5° | 1697.1 | 1698.6 | 1744.2 | 1815.2 | 1886.3 | 1940.4 | 1969.0 | 1989.8 | 2015.3 | 2031.5 |
| 20°   | 1765.0 | 1768.1 | 1819.1 | 1903.3 | 1984.4 | 2046.2 | 2069.4 | 2061.7 | 2068.6 | 2081.0 |
| 22.5° | 1856.2 | 1857.7 | 1914.9 | 2006.0 | 2091.0 | 2159.0 | 2174.4 | 2142.8 | 2123.4 | 2131.9 |
| 25°   | 1962.0 | 1972.0 | 2029.2 | 2122.7 | 2210.0 | 2274.8 | 2281.8 | 2233.9 | 2186.0 | 2188.3 |
| 27.5° | 2091.0 | 2100.3 | 2158.2 | 2250.9 | 2339.7 | 2396.1 | 2395.3 | 2331.2 | 2260.9 | 2243.2 |
| 30°   | 2230.8 | 2240.9 | 2300.3 | 2396.1 | 2478.8 | 2528.2 | 2517.4 | 2440.9 | 2340.5 | 2307.3 |
| 32.5° | 2396.9 | 2403.1 | 2463.3 | 2559.1 | 2635.6 | 2675.0 | 2652.6 | 2558.3 | 2433.2 | 2395.3 |
| 35°   | 2597.7 | 2607.0 | 2651.8 | 2742.2 | 2809.4 | 2841.8 | 2804.0 | 2692.7 | 2552.2 | 2509.7 |
| 37.5° | 2827.1 | 2821.0 | 2871.9 | 2952.3 | 3007.9 | 3028.0 | 2976.2 | 2844.1 | 2688.1 | 2637.9 |
| 40°   | 3066.6 | 3063.5 | 3119.1 | 3196.4 | 3226.5 | 3238.9 | 3162.4 | 3017.9 | 2844.9 | 2790.8 |
| 42.5° | 3283.7 | 3281.3 | 3356.3 | 3442.0 | 3478.3 | 3464.4 | 3367.9 | 3202.6 | 3026.4 | 2964.6 |
| 45°   | 3457.5 | 3454.4 | 3546.3 | 3666.8 | 3737.9 | 3714.7 | 3584.9 | 3406.5 | 3210.3 | 3146.2 |
| 47.5° | 3591.1 | 3592.6 | 3691.5 | 3840.6 | 3965.0 | 3973.5 | 3806.6 | 3614.3 | 3412.7 | 3340.0 |
| 50°   | 3687.6 | 3692.3 | 3798.1 | 3963.4 | 4133.3 | 4208.3 | 4032.9 | 3827.5 | 3622.0 | 3540.1 |
| 52.5° | 3711.6 | 3720.1 | 3847.5 | 4041.4 | 4241.5 | 4384.4 | 4263.1 | 4032.2 | 3820.5 | 3742.5 |
| 55°   | 3584.1 | 3601.1 | 3762.6 | 4035.2 | 4307.9 | 4500.3 | 4465.5 | 4239.9 | 4020.6 | 3940.2 |
| 57.5° | 3291.4 | 3315.3 | 3503.8 | 3859.9 | 4293.2 | 4579.8 | 4622.3 | 4439.2 | 4220.6 | 4143.4 |
| 60°   | 2881.2 | 2909.8 | 3090.5 | 3479.1 | 4086.2 | 4609.2 | 4732.8 | 4633.1 | 4404.5 | 4329.5 |
| 62.5° | 2262.5 | 2299.6 | 2515.8 | 2971.6 | 3649.0 | 4472.4 | 4827.0 | 4808.5 | 4569.8 | 4476.3 |
| 65°   | 1451.4 | 1490.8 | 1718.7 | 2257.1 | 3065.8 | 4053.8 | 4856.4 | 4979.2 | 4744.3 | 4613.8 |
| 67.5° | 875.2  | 892.9  | 1005.7 | 1368.0 | 2240.9 | 3422.7 | 4607.6 | 5168.4 | 4948.3 | 4786.1 |
| 70°   | 560.0  | 570.1  | 637.3  | 803.3  | 1266.8 | 2497.3 | 3991.2 | 5204.0 | 5195.5 | 4963.0 |
| 72.5° | 380.0  | 383.1  | 400.9  | 475.8  | 716.8  | 1419.0 | 2943.8 | 4711.1 | 5349.9 | 5190.8 |
| 75°   | 278.1  | 295.1  | 323.7  | 336.8  | 407.1  | 709.1  | 1687.0 | 3309.9 | 4508.8 | 4578.3 |
| 77.5° | 207.0  | 207.8  | 247.2  | 262.6  | 290.4  | 377.7  | 713.7  | 1847.7 | 2799.3 | 2939.1 |
| 80°   | 175.3  | 166.1  | 165.3  | 211.6  | 218.6  | 235.6  | 319.0  | 638.0  | 1002.6 | 607.9  |
| 82.5° | 146.0  | 136.0  | 122.8  | 165.3  | 149.1  | 144.4  | 138.3  | 259.5  | 319.0  | 156.8  |
| 85°   | 102.0  | 97.3   | 92.7   | 108.1  | 85.0   | 72.6   | 66.4   | 121.3  | 134.4  | 66.4   |
| 87.5° | 44.0   | 45.6   | 46.3   | 47.9   | 35.5   | 25.5   | 25.5   | 34.0   | 34.0   | 26.3   |
| 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°    |
|--------|
| 1620.6 |
| 1630.6 |
| 1670.0 |
| 1737.2 |
| 1816.0 |
| 1894.0 |
| 1976.7 |
| 2039.3 |
| 2090.2 |
| 2138.1 |
| 2192.2 |
| 2248.6 |
| 2311.2 |
| 2404.6 |
| 2515.8 |
| 2647.2 |
| 2808.6 |
| 2980.1 |
| 3160.8 |
| 3361.7 |
| 3564.8 |
| 3762.6 |
| 3962.6 |
| 4161.2 |
| 4345.8 |
| 4487.1 |
| 4630.0 |
| 4798.4 |
| 4961.4 |
| 5166.1 |
| 4409.9 |
| 2621.7 |
| 459.6  |
| 133.6  |
| 58.7   |
| 19.3   |
| 0.0    |

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