

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: P949744

Luminaire Tested: **GLAN-SB4B-930-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P949744  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4B-930-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16441 lumens  
Efficiency: N/A  
Efficacy: 111.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

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

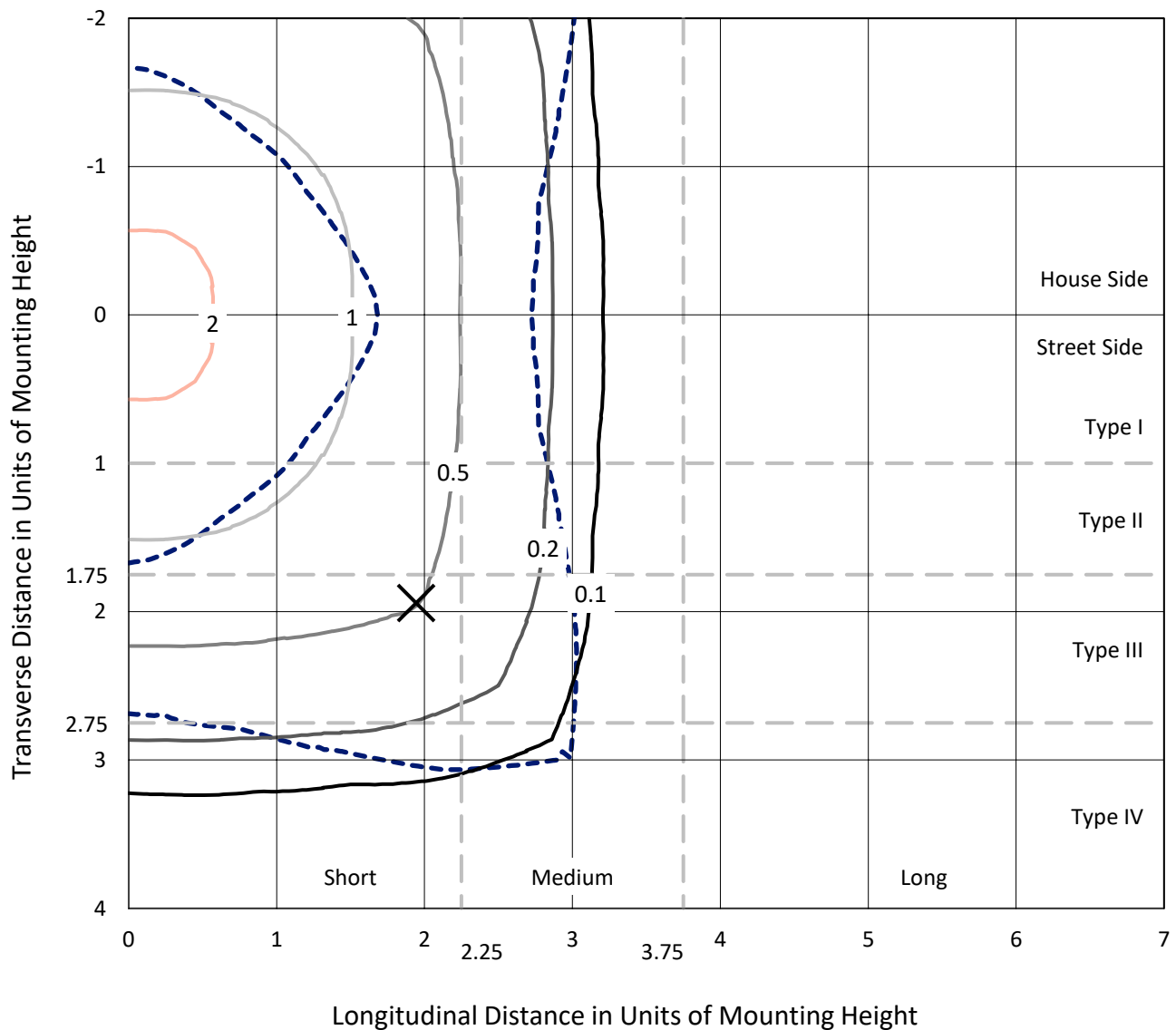


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## Iso-Footcandle Lines of Horizontal Illumination

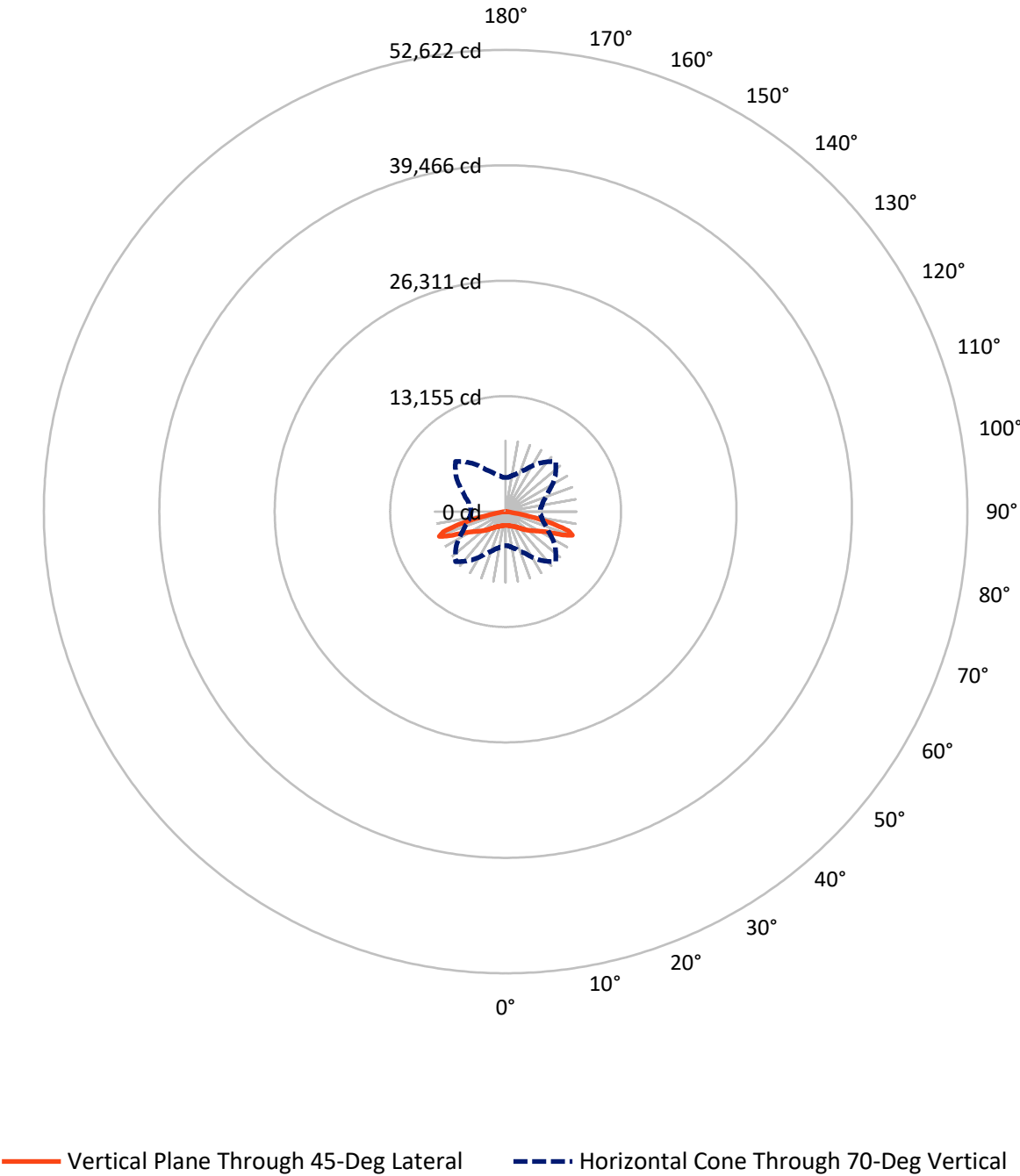
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc  
Type V - Short - N/A

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Luminous Intensity Polar Plot



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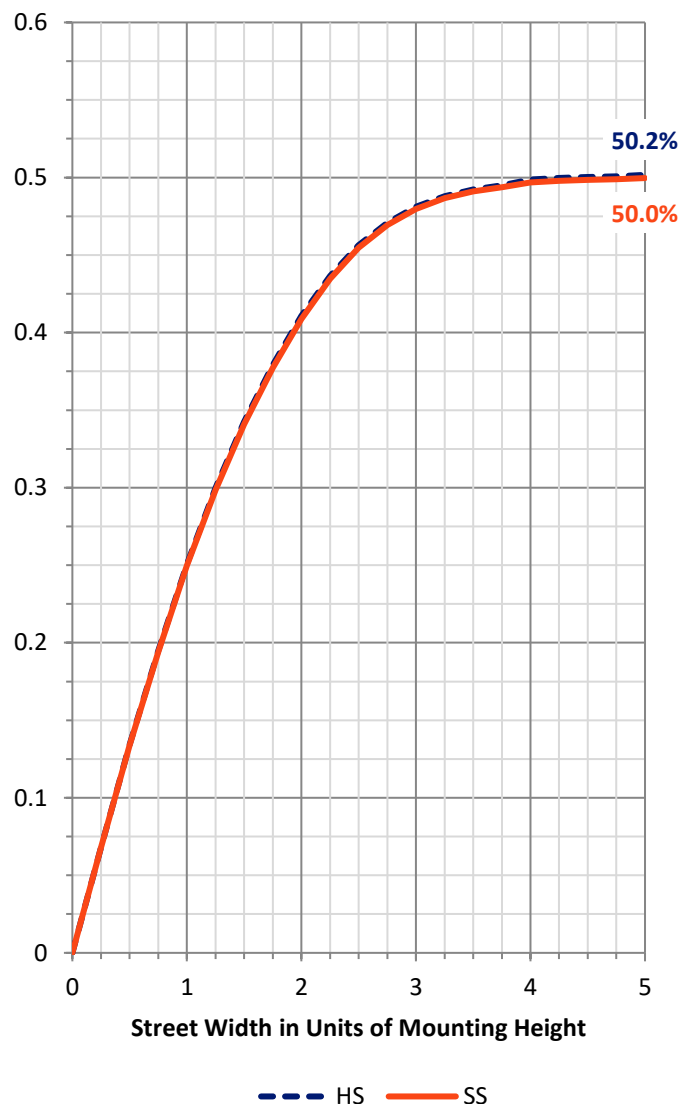
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 8220.5   | 0.0    | 8220.5  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 8220.5   | 0.0    | 8220.5  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 16441.0  | 0.0    | 16441.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 153.0   | 0.9       |
| 10°-20°   | 474.4   | 2.9       |
| 20°-30°   | 847.9   | 5.2       |
| 30°-40°   | 1374.4  | 8.4       |
| 40°-50°   | 2238.6  | 13.6      |
| 50°-60°   | 3413.2  | 20.8      |
| 60°-70°   | 5077.7  | 30.9      |
| 70°-80°   | 2767.5  | 16.8      |
| 80°-90°   | 94.2    | 0.6       |
| 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°    | 16441.0 | 100.0     |
| 0°-180°   | 16441.0 | 100.0     |

**Coefficient of Utilization**



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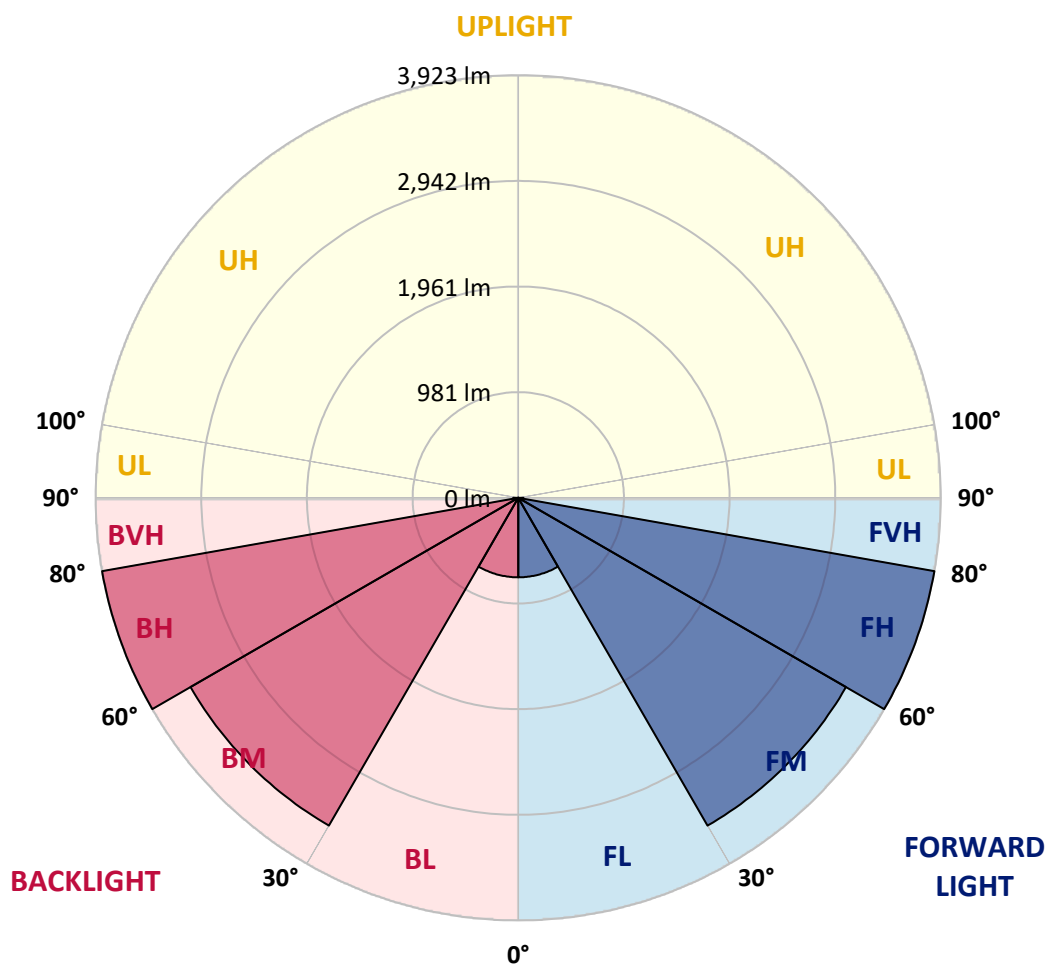
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 737.7  | 4.5       |                         |      |         |
| FM   | (30°-60°)   | 3513.1 | 21.4      |                         |      |         |
| FH   | (60°-80°)   | 3922.6 | 23.9      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 47.1   | 0.3       |                         |      | G1/100  |
| BL   | (0°-30°)    | 737.7  | 4.5       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 3513.1 | 21.4      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 3922.6 | 23.9      | B4/5000                 |      | G2/5000 |
| BVH  | (80°-90°)   | 47.1   | 0.3       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1574.9 | 1574.9 | 1574.9 | 1574.9 | 1574.9 | 1574.9 | 1574.9 | 1574.9 | 1574.9 | 1574.9 |
| 2.5°  | 1582.3 | 1584.0 | 1580.7 | 1579.0 | 1577.4 | 1574.9 | 1575.7 | 1579.8 | 1583.1 | 1582.3 |
| 5°    | 1595.5 | 1597.2 | 1594.7 | 1593.9 | 1590.6 | 1589.7 | 1589.7 | 1593.9 | 1596.3 | 1594.7 |
| 7.5°  | 1610.4 | 1612.8 | 1608.7 | 1607.9 | 1606.2 | 1604.6 | 1603.8 | 1607.9 | 1610.4 | 1610.4 |
| 10°   | 1624.4 | 1626.9 | 1623.6 | 1621.1 | 1619.4 | 1619.4 | 1617.8 | 1621.1 | 1625.2 | 1624.4 |
| 12.5° | 1639.3 | 1640.9 | 1637.6 | 1636.0 | 1636.0 | 1638.4 | 1636.0 | 1637.6 | 1640.9 | 1639.3 |
| 15°   | 1657.4 | 1658.2 | 1657.4 | 1659.9 | 1664.0 | 1672.3 | 1664.8 | 1663.2 | 1664.8 | 1660.7 |
| 17.5° | 1682.2 | 1683.8 | 1687.1 | 1692.9 | 1698.7 | 1713.5 | 1700.3 | 1696.2 | 1696.2 | 1688.0 |
| 20°   | 1712.7 | 1715.2 | 1720.1 | 1730.1 | 1737.5 | 1751.5 | 1738.3 | 1732.5 | 1730.1 | 1719.3 |
| 22.5° | 1744.9 | 1749.0 | 1756.5 | 1769.7 | 1782.9 | 1796.1 | 1782.9 | 1773.0 | 1765.5 | 1751.5 |
| 25°   | 1782.1 | 1787.0 | 1798.6 | 1820.0 | 1838.2 | 1857.2 | 1841.5 | 1821.7 | 1806.8 | 1787.0 |
| 27.5° | 1834.9 | 1840.7 | 1854.7 | 1881.1 | 1904.2 | 1920.7 | 1905.9 | 1880.3 | 1859.6 | 1835.7 |
| 30°   | 1909.2 | 1914.9 | 1931.5 | 1959.5 | 1975.2 | 1985.9 | 1976.0 | 1956.2 | 1931.5 | 1904.2 |
| 32.5° | 2004.9 | 2012.3 | 2030.5 | 2056.9 | 2060.2 | 2061.9 | 2058.6 | 2048.7 | 2030.5 | 1997.5 |
| 35°   | 2126.2 | 2134.5 | 2155.1 | 2176.6 | 2173.3 | 2176.6 | 2171.6 | 2168.3 | 2155.1 | 2117.2 |
| 37.5° | 2274.8 | 2284.7 | 2306.2 | 2322.7 | 2314.4 | 2310.3 | 2311.1 | 2312.0 | 2304.5 | 2262.4 |
| 40°   | 2447.3 | 2460.5 | 2476.2 | 2493.6 | 2479.5 | 2467.1 | 2475.4 | 2482.0 | 2475.4 | 2432.5 |
| 42.5° | 2624.8 | 2643.8 | 2660.3 | 2685.1 | 2673.5 | 2657.8 | 2669.4 | 2676.8 | 2662.8 | 2616.5 |
| 45°   | 2822.1 | 2840.2 | 2861.7 | 2898.8 | 2890.6 | 2874.1 | 2890.6 | 2892.2 | 2868.3 | 2813.8 |
| 47.5° | 3025.9 | 3044.9 | 3077.1 | 3126.6 | 3123.3 | 3105.2 | 3126.6 | 3115.1 | 3084.5 | 3019.3 |
| 50°   | 3219.1 | 3245.5 | 3295.0 | 3364.4 | 3371.0 | 3348.7 | 3377.6 | 3355.3 | 3304.1 | 3222.4 |
| 52.5° | 3400.7 | 3428.7 | 3507.2 | 3601.3 | 3625.2 | 3596.3 | 3635.1 | 3596.3 | 3519.5 | 3414.7 |
| 55°   | 3591.3 | 3622.7 | 3716.0 | 3839.0 | 3886.8 | 3865.4 | 3901.7 | 3843.1 | 3734.1 | 3607.0 |
| 57.5° | 3815.9 | 3834.8 | 3946.3 | 4092.4 | 4173.3 | 4178.2 | 4194.7 | 4095.7 | 3963.6 | 3819.2 |
| 60°   | 4059.4 | 4085.8 | 4207.1 | 4382.1 | 4510.0 | 4551.3 | 4534.0 | 4387.0 | 4233.5 | 4067.6 |
| 62.5° | 4371.4 | 4400.2 | 4545.5 | 4755.2 | 4957.4 | 5059.7 | 4992.1 | 4779.1 | 4589.3 | 4390.3 |
| 65°   | 4629.7 | 4661.9 | 4924.4 | 5298.3 | 5666.4 | 5871.9 | 5701.9 | 5309.8 | 4968.1 | 4687.5 |
| 67.5° | 4442.3 | 4482.0 | 4893.8 | 5580.6 | 6496.0 | 7109.2 | 6527.3 | 5664.8 | 4995.4 | 4614.9 |
| 70°   | 3882.7 | 3919.9 | 4400.2 | 5239.7 | 6729.5 | 8073.3 | 6869.9 | 5394.0 | 4415.9 | 3990.0 |
| 72.5° | 2577.7 | 2697.4 | 3183.6 | 4190.6 | 6009.0 | 7470.8 | 6068.4 | 4105.6 | 2953.3 | 2572.0 |
| 75°   | 855.1  | 950.9  | 1282.7 | 2172.5 | 4024.7 | 5587.2 | 3831.5 | 1922.4 | 1016.1 | 731.3  |
| 77.5° | 215.4  | 248.4  | 342.5  | 621.5  | 1605.4 | 3181.1 | 1445.3 | 507.6  | 276.5  | 193.1  |
| 80°   | 104.8  | 115.6  | 165.1  | 207.2  | 402.0  | 1011.1 | 377.2  | 194.8  | 130.4  | 100.7  |
| 82.5° | 57.8   | 58.6   | 93.3   | 117.2  | 149.4  | 261.7  | 155.2  | 113.9  | 75.1   | 61.1   |
| 85°   | 35.5   | 34.7   | 49.5   | 62.7   | 62.7   | 93.3   | 74.3   | 62.7   | 42.9   | 38.0   |
| 87.5° | 14.0   | 14.0   | 18.2   | 19.8   | 17.3   | 23.9   | 19.0   | 20.6   | 16.5   | 15.7   |
| 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°    |
|--------|
| 1574.9 |
| 1583.1 |
| 1595.5 |
| 1610.4 |
| 1624.4 |
| 1638.4 |
| 1660.7 |
| 1688.0 |
| 1719.3 |
| 1750.7 |
| 1786.2 |
| 1834.9 |
| 1904.2 |
| 1998.3 |
| 2117.2 |
| 2262.4 |
| 2432.5 |
| 2619.8 |
| 2819.6 |
| 3015.2 |
| 3220.7 |
| 3404.8 |
| 3589.7 |
| 3799.4 |
| 4041.2 |
| 4355.7 |
| 4641.3 |
| 4557.9 |
| 3933.1 |
| 2488.6 |
| 691.7  |
| 172.5  |
| 92.4   |
| 61.1   |
| 39.6   |
| 16.5   |
| 0.0    |