

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: P846078

Luminaire Tested: **GLAN-SB1C-740-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846078  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1C-740-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 4000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7931 lumens  
Efficiency: N/A  
Efficacy: 145.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2

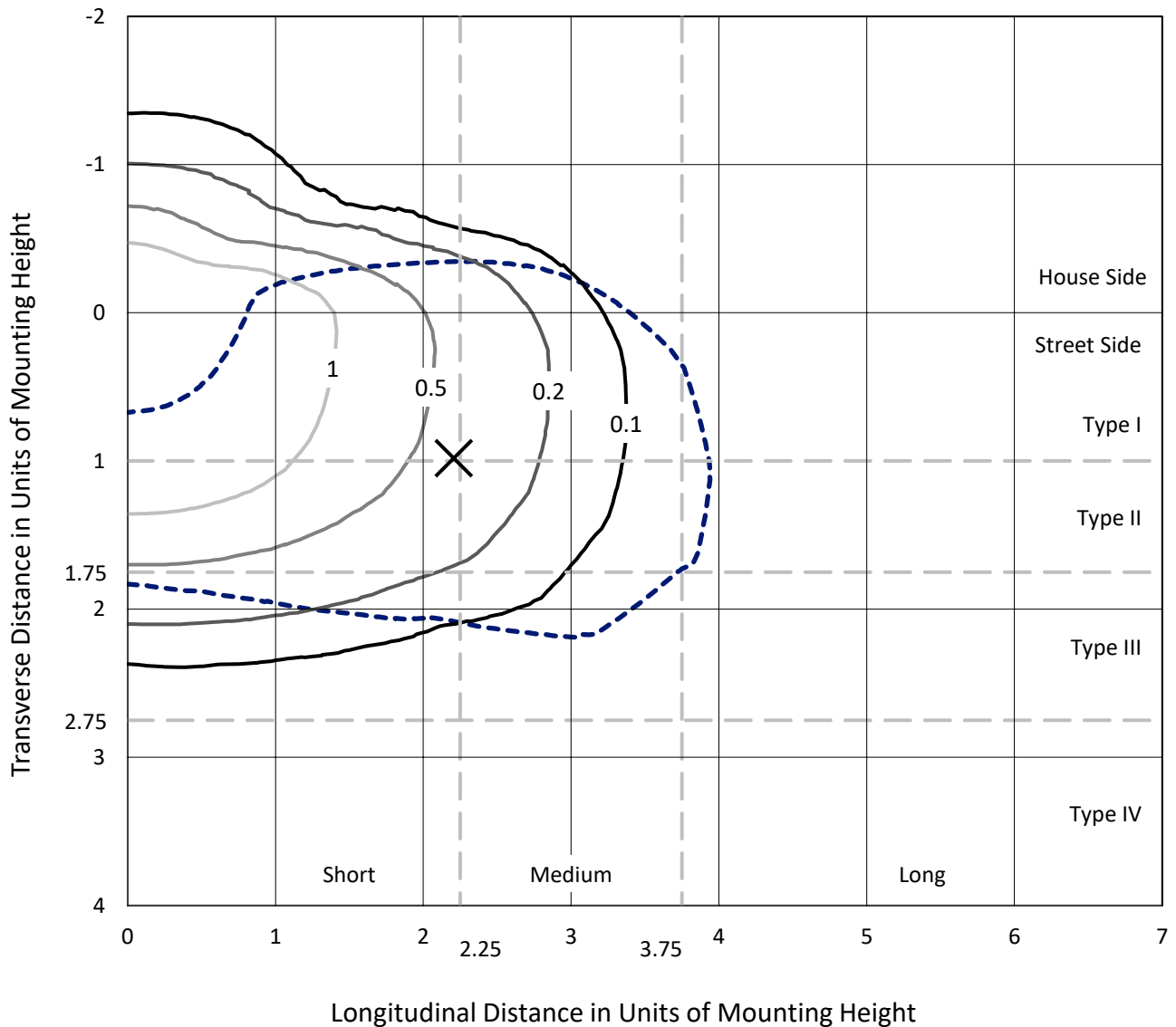
Input Watts (W): 54.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

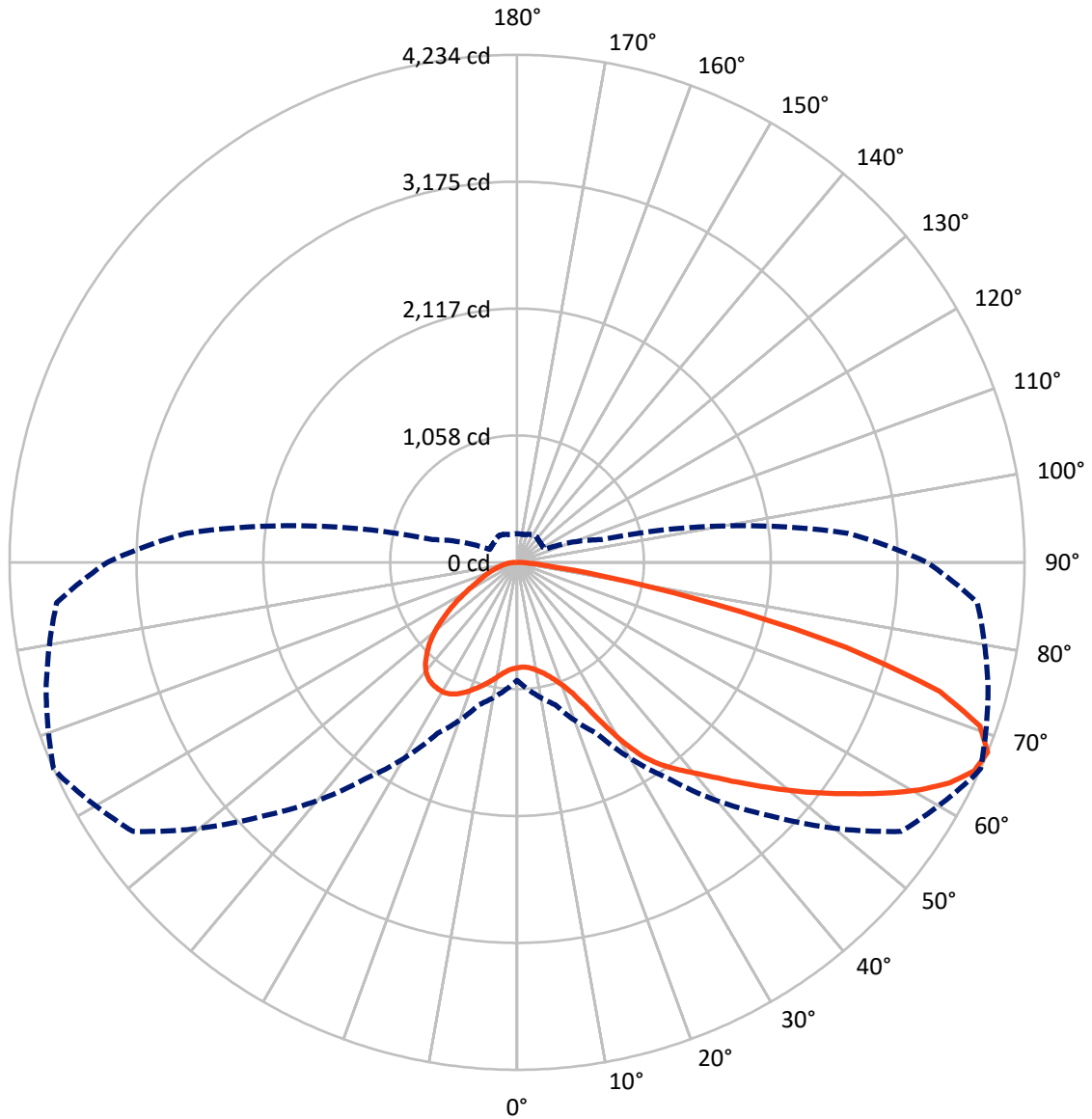
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1972.0   | 0.0    | 1972.0 |
|                    | % Fixture | 24.9     | 0.0    | 24.9   |
| <b>Street Side</b> | Lumens    | 5959.0   | 0.0    | 5959.0 |
|                    | % Fixture | 75.1     | 0.0    | 75.1   |
| <b>Total</b>       | Lumens    | 7931.0   | 0.0    | 7931.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 87.2   | 1.1       |
| 10°-20°   | 288.1  | 3.6       |
| 20°-30°   | 555.4  | 7.0       |
| 30°-40°   | 973.8  | 12.3      |
| 40°-50°   | 1447.7 | 18.3      |
| 50°-60°   | 1835.1 | 23.1      |
| 60°-70°   | 1795.6 | 22.6      |
| 70°-80°   | 856.5  | 10.8      |
| 80°-90°   | 91.5   | 1.2       |
| 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°    | 7931.0 | 100.0     |
| 0°-180°   | 7931.0 | 100.0     |

**Coefficient of Utilization**



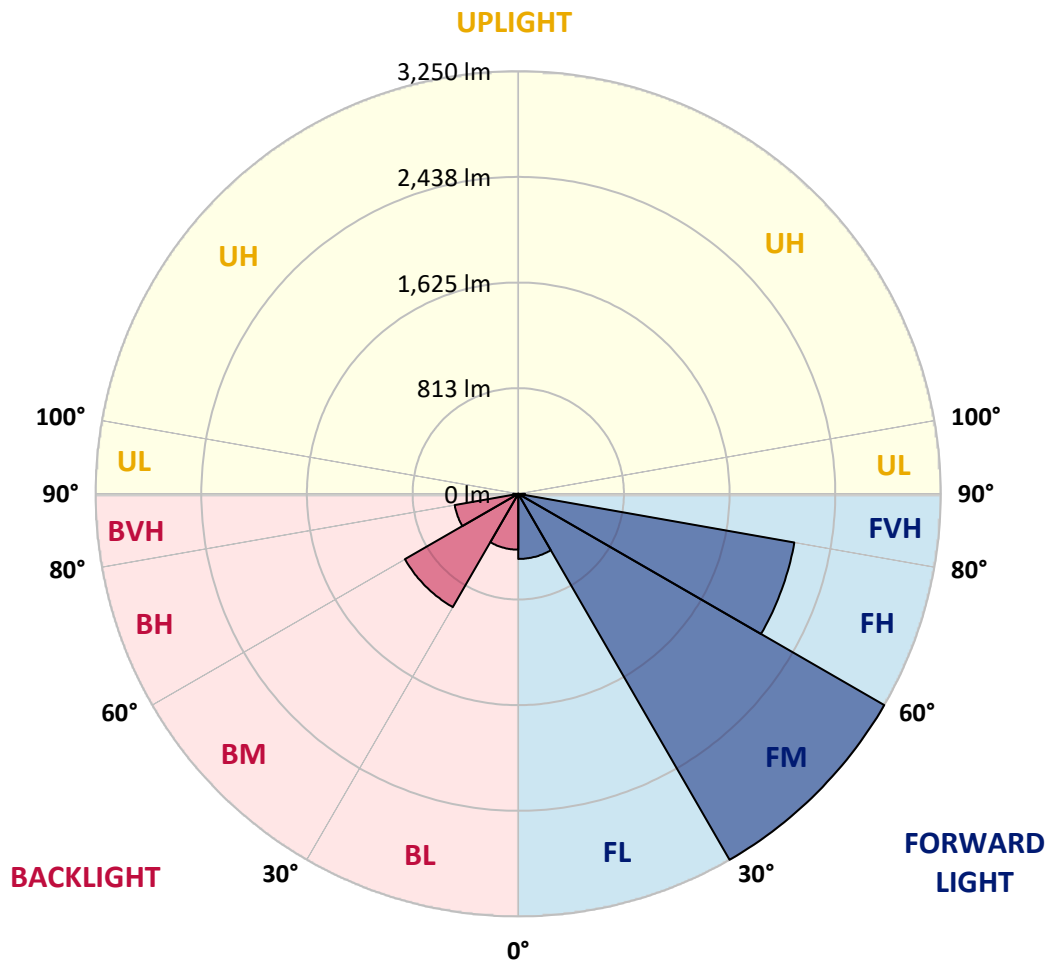
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 501.2  | 6.3       |                         |      |         |
| FM (30°-60°)   | 3250.1 | 41.0      |                         |      |         |
| FH (60°-80°)   | 2155.9 | 27.2      |                         |      | G2/5000 |
| FVH (80°-90°)  | 51.9   | 0.7       |                         |      | G1/100  |
| BL (0°-30°)    | 429.6  | 5.4       | B1/500                  |      |         |
| BM (30°-60°)   | 1006.5 | 12.7      | B2/2500                 |      |         |
| BH (60°-80°)   | 496.3  | 6.3       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 39.6   | 0.5       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 66°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 879.7  | 879.7  | 879.7  | 879.7  | 879.7  | 879.7  | 879.7  | 879.7  | 879.7  | 879.7  |
| 2.5°  | 870.5  | 875.5  | 874.2  | 872.2  | 871.7  | 872.6  | 873.8  | 875.1  | 874.7  | 876.7  |
| 5°    | 868.0  | 873.0  | 872.6  | 872.6  | 874.2  | 877.6  | 879.7  | 881.7  | 879.7  | 882.2  |
| 7.5°  | 869.7  | 873.4  | 875.1  | 876.7  | 880.9  | 887.2  | 892.2  | 896.7  | 894.2  | 897.2  |
| 10°   | 890.9  | 893.8  | 895.5  | 895.5  | 898.4  | 905.5  | 910.5  | 918.8  | 916.7  | 921.3  |
| 12.5° | 929.7  | 932.6  | 932.6  | 930.9  | 933.0  | 937.6  | 939.2  | 948.4  | 944.7  | 952.2  |
| 15°   | 977.2  | 983.0  | 978.4  | 975.5  | 976.3  | 980.9  | 980.5  | 987.6  | 983.8  | 990.1  |
| 17.5° | 1029.7 | 1037.2 | 1029.7 | 1029.2 | 1027.6 | 1032.6 | 1033.0 | 1039.2 | 1032.6 | 1037.2 |
| 20°   | 1091.8 | 1102.2 | 1095.9 | 1098.0 | 1094.3 | 1096.3 | 1098.4 | 1107.6 | 1097.2 | 1100.5 |
| 22.5° | 1179.3 | 1191.8 | 1185.1 | 1193.0 | 1190.5 | 1188.8 | 1188.4 | 1204.7 | 1188.4 | 1189.7 |
| 25°   | 1306.8 | 1321.8 | 1310.1 | 1320.9 | 1320.9 | 1326.4 | 1332.6 | 1353.4 | 1326.4 | 1318.4 |
| 27.5° | 1495.1 | 1510.1 | 1487.2 | 1493.9 | 1491.8 | 1505.1 | 1498.5 | 1550.1 | 1521.0 | 1508.0 |
| 30°   | 1721.8 | 1748.5 | 1705.1 | 1703.5 | 1701.4 | 1722.6 | 1732.2 | 1766.4 | 1736.8 | 1723.9 |
| 32.5° | 1966.8 | 1994.7 | 1943.1 | 1928.1 | 1920.2 | 1933.1 | 1925.2 | 1952.7 | 1932.2 | 1912.2 |
| 35°   | 2226.0 | 2253.5 | 2204.3 | 2175.2 | 2143.5 | 2116.4 | 2088.1 | 2095.2 | 2076.0 | 2045.6 |
| 37.5° | 2471.0 | 2521.4 | 2469.4 | 2438.1 | 2379.8 | 2326.9 | 2247.7 | 2214.8 | 2196.8 | 2168.9 |
| 40°   | 2720.6 | 2749.4 | 2709.8 | 2683.1 | 2619.8 | 2536.9 | 2410.2 | 2340.6 | 2316.4 | 2289.3 |
| 42.5° | 2904.4 | 2931.9 | 2910.6 | 2892.3 | 2842.7 | 2746.5 | 2582.7 | 2495.6 | 2460.6 | 2430.2 |
| 45°   | 3050.2 | 3070.7 | 3057.3 | 3064.0 | 3042.7 | 2949.4 | 2761.5 | 2661.9 | 2625.6 | 2588.5 |
| 47.5° | 3109.0 | 3130.7 | 3151.9 | 3191.5 | 3227.8 | 3159.0 | 2953.6 | 2841.9 | 2803.6 | 2765.6 |
| 50°   | 3102.3 | 3124.4 | 3186.1 | 3270.3 | 3382.8 | 3359.8 | 3156.1 | 3033.6 | 2998.2 | 2954.8 |
| 52.5° | 3049.0 | 3074.0 | 3153.2 | 3293.2 | 3472.4 | 3510.3 | 3362.3 | 3231.5 | 3198.2 | 3146.5 |
| 55°   | 2909.0 | 2924.0 | 3042.7 | 3241.1 | 3493.6 | 3615.3 | 3564.4 | 3442.4 | 3409.0 | 3336.9 |
| 57.5° | 2649.4 | 2671.0 | 2844.0 | 3100.7 | 3440.3 | 3686.5 | 3742.0 | 3664.0 | 3632.0 | 3528.2 |
| 60°   | 2310.6 | 2345.2 | 2543.1 | 2864.8 | 3304.4 | 3686.1 | 3903.2 | 3882.0 | 3855.3 | 3716.5 |
| 62.5° | 1927.2 | 1967.2 | 2157.7 | 2531.4 | 3066.9 | 3581.5 | 4004.1 | 4064.5 | 4050.7 | 3890.3 |
| 65°   | 1480.1 | 1507.6 | 1697.2 | 2100.2 | 2697.3 | 3356.9 | 4015.7 | 4189.1 | 4191.6 | 4022.4 |
| 67.5° | 985.5  | 1064.7 | 1229.3 | 1576.0 | 2202.3 | 2989.8 | 3913.2 | 4209.5 | 4233.7 | 4067.8 |
| 70°   | 480.9  | 585.0  | 746.3  | 1024.2 | 1576.0 | 2426.9 | 3645.3 | 4042.0 | 4095.7 | 3935.3 |
| 72.5° | 199.6  | 233.4  | 321.3  | 505.5  | 904.7  | 1637.6 | 3106.9 | 3587.8 | 3687.4 | 3486.9 |
| 75°   | 134.6  | 145.8  | 183.8  | 259.2  | 412.1  | 807.6  | 2240.6 | 2675.2 | 2835.6 | 2633.5 |
| 77.5° | 103.8  | 110.8  | 133.8  | 181.3  | 245.0  | 305.4  | 1199.3 | 1612.2 | 1695.1 | 1569.3 |
| 80°   | 81.7   | 87.1   | 100.0  | 132.1  | 173.8  | 163.3  | 408.8  | 730.5  | 778.4  | 653.0  |
| 82.5° | 70.8   | 72.9   | 71.7   | 89.6   | 115.4  | 95.4   | 134.2  | 269.6  | 297.5  | 215.9  |
| 85°   | 51.3   | 57.1   | 59.6   | 55.4   | 61.3   | 48.3   | 55.0   | 95.4   | 105.0  | 93.8   |
| 87.5° | 20.8   | 30.8   | 37.9   | 35.8   | 22.5   | 13.8   | 17.1   | 27.9   | 32.1   | 35.0   |
| 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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**CANDELA DISTRIBUTION (continued):**

| 85°    |       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 879.7  | 0°    | 879.7  | 879.7  | 879.7  | 879.7  | 879.7  | 879.7  | 879.7  | 879.7  | 879.7  | 879.7  |
| 880.1  | 2.5°  | 880.5  | 883.4  | 885.5  | 888.0  | 889.7  | 892.2  | 897.2  | 900.1  | 900.5  | 902.6  |
| 886.7  | 5°    | 888.4  | 892.6  | 897.2  | 903.8  | 911.3  | 917.6  | 927.2  | 933.8  | 936.3  | 938.4  |
| 903.0  | 7.5°  | 905.5  | 911.3  | 919.7  | 931.3  | 942.2  | 950.5  | 962.2  | 970.1  | 978.0  | 980.9  |
| 928.8  | 10°   | 930.9  | 939.2  | 951.3  | 967.2  | 978.8  | 989.7  | 1001.7 | 1008.4 | 1016.3 | 1019.7 |
| 959.7  | 12.5° | 962.6  | 971.3  | 987.2  | 1009.2 | 1020.1 | 1027.6 | 1031.7 | 1030.1 | 1031.7 | 1034.7 |
| 996.7  | 15°   | 998.8  | 1008.4 | 1026.3 | 1050.1 | 1057.6 | 1050.9 | 1041.7 | 1033.4 | 1032.2 | 1033.0 |
| 1041.7 | 17.5° | 1041.7 | 1048.8 | 1069.7 | 1089.7 | 1084.3 | 1056.8 | 1036.7 | 1023.4 | 1016.7 | 1014.7 |
| 1099.3 | 20°   | 1101.8 | 1101.8 | 1118.8 | 1131.3 | 1095.1 | 1048.4 | 1017.2 | 995.5  | 981.7  | 975.9  |
| 1177.6 | 22.5° | 1174.7 | 1168.0 | 1178.8 | 1170.1 | 1093.0 | 1025.1 | 981.7  | 944.2  | 923.4  | 915.1  |
| 1287.2 | 25°   | 1267.2 | 1259.3 | 1256.3 | 1202.2 | 1078.0 | 988.0  | 917.6  | 872.2  | 853.8  | 849.2  |
| 1445.1 | 27.5° | 1406.8 | 1386.8 | 1348.9 | 1219.7 | 1050.5 | 929.7  | 842.6  | 800.5  | 790.1  | 790.5  |
| 1648.0 | 30°   | 1592.6 | 1552.6 | 1459.7 | 1222.6 | 1005.5 | 847.2  | 765.9  | 735.9  | 730.9  | 733.0  |
| 1818.5 | 32.5° | 1764.7 | 1726.8 | 1573.0 | 1209.3 | 936.3  | 766.3  | 697.1  | 677.1  | 669.6  | 672.1  |
| 1948.5 | 35°   | 1899.7 | 1889.3 | 1678.0 | 1190.5 | 851.3  | 690.5  | 635.5  | 618.4  | 603.8  | 600.5  |
| 2071.0 | 37.5° | 2027.2 | 2023.1 | 1756.8 | 1164.3 | 767.1  | 636.7  | 585.9  | 563.4  | 542.1  | 530.5  |
| 2206.4 | 40°   | 2167.3 | 2163.1 | 1808.5 | 1123.8 | 692.6  | 590.0  | 541.3  | 511.7  | 485.5  | 464.2  |
| 2359.8 | 42.5° | 2324.8 | 2300.2 | 1833.1 | 1065.9 | 629.2  | 550.5  | 505.0  | 465.0  | 430.5  | 410.9  |
| 2533.1 | 45°   | 2496.9 | 2441.4 | 1832.6 | 992.2  | 575.9  | 514.2  | 466.3  | 409.6  | 377.5  | 359.2  |
| 2711.0 | 47.5° | 2679.4 | 2576.5 | 1810.1 | 910.5  | 524.2  | 474.2  | 406.3  | 362.9  | 341.7  | 330.4  |
| 2904.4 | 50°   | 2867.7 | 2702.7 | 1771.8 | 816.7  | 471.3  | 428.8  | 368.8  | 339.2  | 322.9  | 312.5  |
| 3096.1 | 52.5° | 3044.8 | 2817.3 | 1725.6 | 710.5  | 417.5  | 384.6  | 352.1  | 329.2  | 312.1  | 300.4  |
| 3281.9 | 55°   | 3209.4 | 2916.1 | 1660.1 | 601.7  | 373.8  | 355.0  | 344.2  | 325.0  | 305.4  | 291.7  |
| 3470.7 | 57.5° | 3355.7 | 2980.2 | 1547.2 | 499.6  | 342.5  | 334.6  | 335.9  | 317.9  | 295.4  | 283.8  |
| 3656.5 | 60°   | 3477.4 | 3027.3 | 1380.1 | 405.0  | 317.1  | 314.6  | 322.9  | 304.6  | 278.4  | 265.0  |
| 3813.6 | 62.5° | 3550.3 | 3026.5 | 1175.1 | 331.7  | 295.4  | 296.3  | 305.9  | 287.9  | 261.3  | 248.8  |
| 3895.7 | 65°   | 3544.0 | 2952.3 | 950.1  | 283.8  | 274.6  | 275.4  | 287.9  | 269.6  | 247.1  | 239.6  |
| 3854.5 | 67.5° | 3418.6 | 2771.5 | 728.8  | 252.5  | 251.7  | 255.4  | 270.0  | 257.1  | 238.4  | 237.5  |
| 3608.6 | 70°   | 3079.0 | 2396.0 | 525.0  | 227.5  | 227.9  | 233.4  | 252.5  | 249.2  | 233.8  | 235.4  |
| 3034.0 | 72.5° | 2468.9 | 1826.8 | 352.5  | 201.3  | 201.7  | 210.4  | 235.9  | 242.9  | 229.2  | 251.3  |
| 2152.7 | 75°   | 1644.3 | 1139.3 | 226.7  | 173.3  | 173.8  | 185.0  | 221.3  | 230.9  | 216.7  | 250.4  |
| 1120.1 | 77.5° | 790.1  | 512.1  | 164.2  | 145.8  | 145.8  | 156.3  | 191.3  | 206.7  | 184.6  | 194.6  |
| 360.0  | 80°   | 272.9  | 192.5  | 129.2  | 117.5  | 115.0  | 122.1  | 161.3  | 179.2  | 159.2  | 146.7  |
| 117.5  | 82.5° | 107.5  | 100.0  | 103.8  | 91.3   | 82.9   | 87.5   | 125.4  | 147.9  | 117.1  | 105.8  |
| 66.3   | 85°   | 61.7   | 65.0   | 73.3   | 60.4   | 47.9   | 53.8   | 92.1   | 106.3  | 88.3   | 77.9   |
| 21.7   | 87.5° | 16.7   | 22.9   | 33.8   | 31.3   | 21.7   | 22.9   | 43.8   | 58.8   | 50.8   | 39.2   |
| 0.0    | 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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|        |
|--------|
| 180°   |
| <hr/>  |
| 879.7  |
| 902.2  |
| 938.0  |
| 981.3  |
| 1021.3 |
| 1035.5 |
| 1035.9 |
| 1017.6 |
| 974.7  |
| 913.8  |
| 850.1  |
| 791.7  |
| 740.1  |
| 675.5  |
| 603.0  |
| 530.9  |
| 466.3  |
| 412.1  |
| 358.4  |
| 327.9  |
| 308.8  |
| 295.4  |
| 286.3  |
| 276.3  |
| 259.2  |
| 245.0  |
| 239.2  |
| 238.8  |
| 235.0  |
| 254.6  |
| 252.5  |
| 178.3  |
| 137.5  |
| 105.4  |
| 79.6   |
| 40.4   |
| 0.0    |

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