

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: P846398

Luminaire Tested: **GLAN-SB2A-730-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846398
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-SB2A-730-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8671 lumens
Efficiency: N/A
Efficacy: 151.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

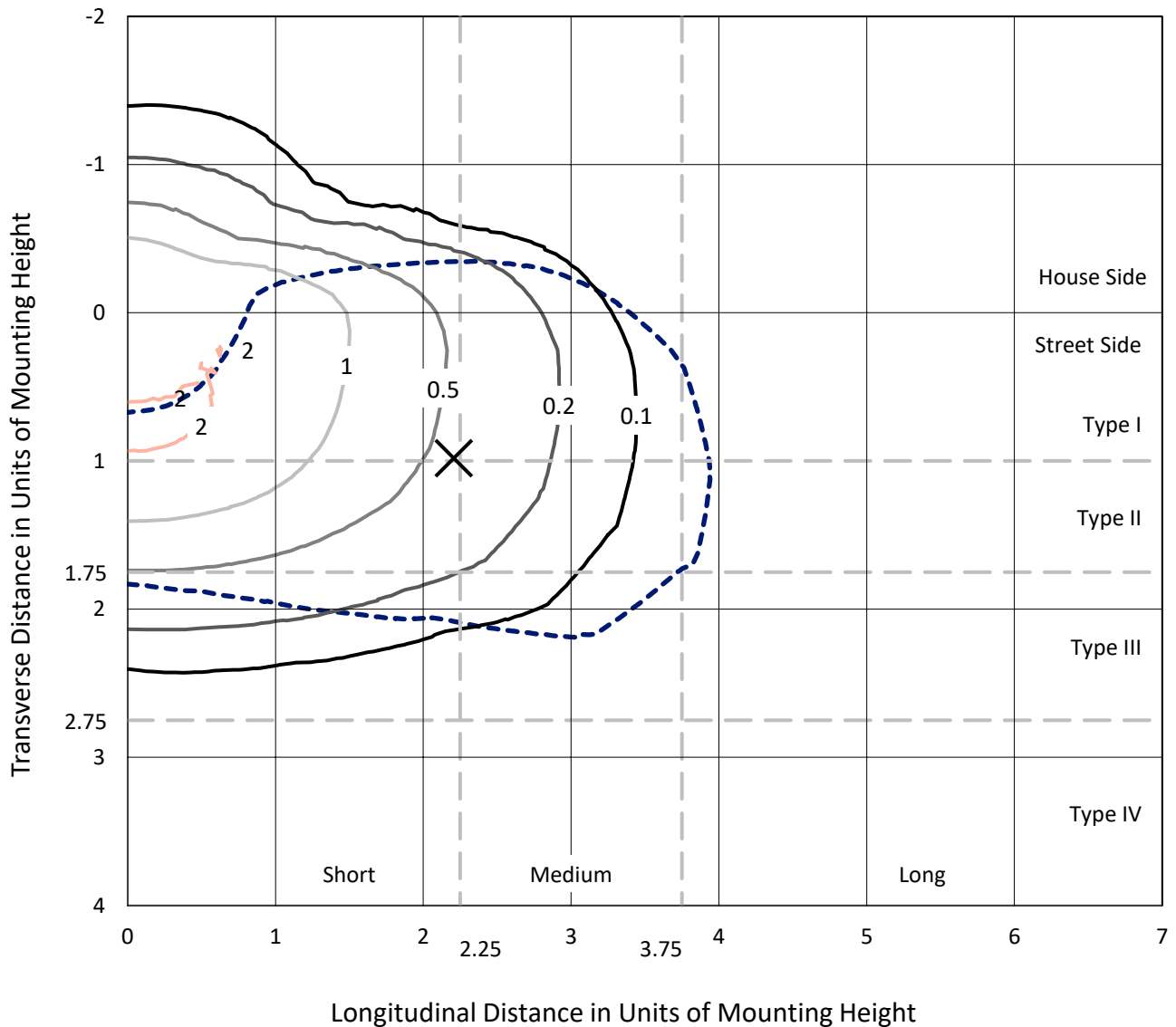
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

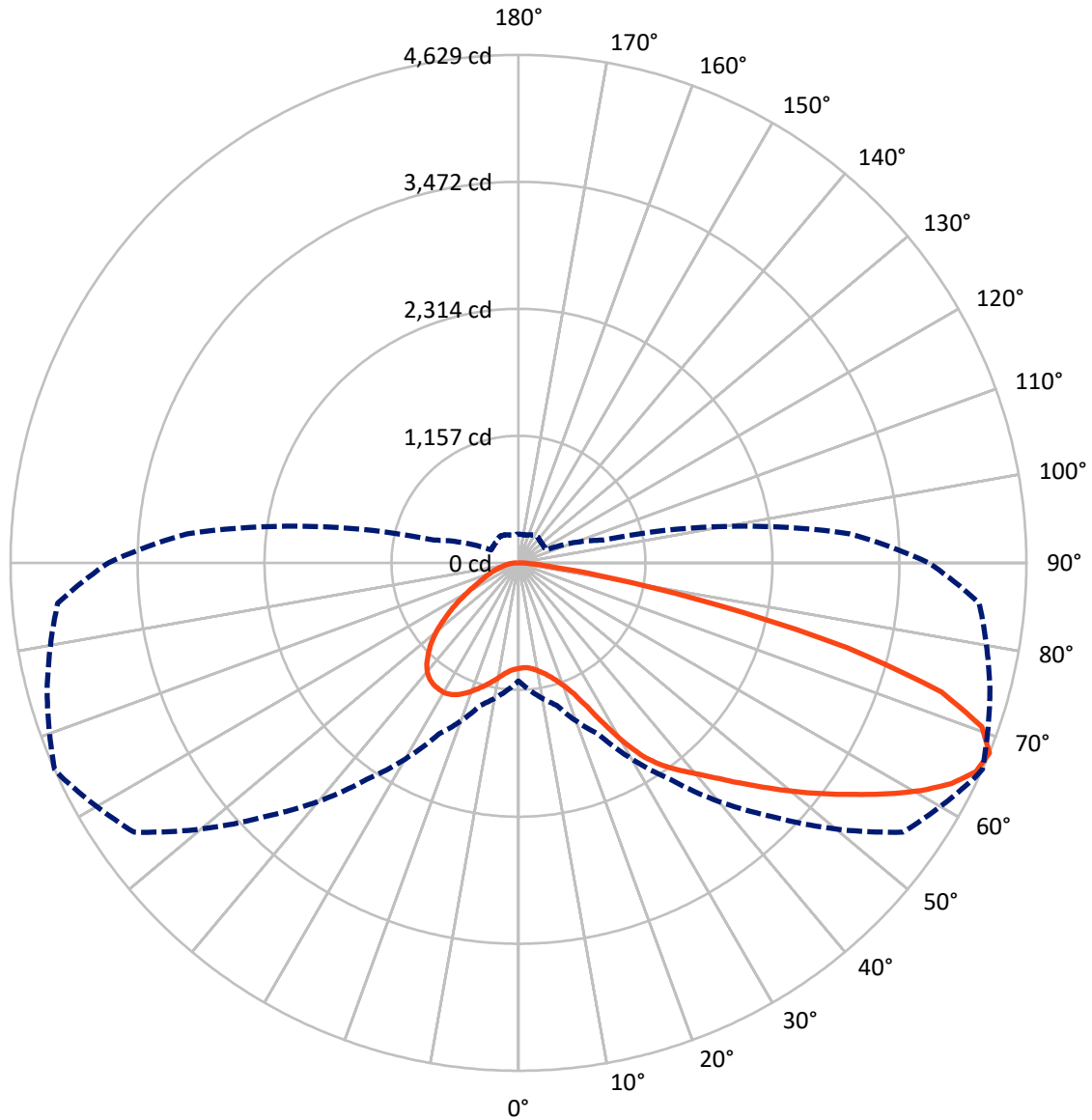
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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 |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 2156.0 | 0.0 | 2156.0 |
| | % Fixture | 24.9 | 0.0 | 24.9 |
| Street Side | Lumens | 6515.0 | 0.0 | 6515.0 |
| | % Fixture | 75.1 | 0.0 | 75.1 |
| Total | Lumens | 8671.0 | 0.0 | 8671.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 95.4 | 1.1 |
| 10°-20° | 315.0 | 3.6 |
| 20°-30° | 607.2 | 7.0 |
| 30°-40° | 1064.6 | 12.3 |
| 40°-50° | 1582.8 | 18.3 |
| 50°-60° | 2006.3 | 23.1 |
| 60°-70° | 1963.1 | 22.6 |
| 70°-80° | 936.4 | 10.8 |
| 80°-90° | 100.1 | 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° | 8671.0 | 100.0 |
| 0°-180° | 8671.0 | 100.0 |

Coefficient of Utilization



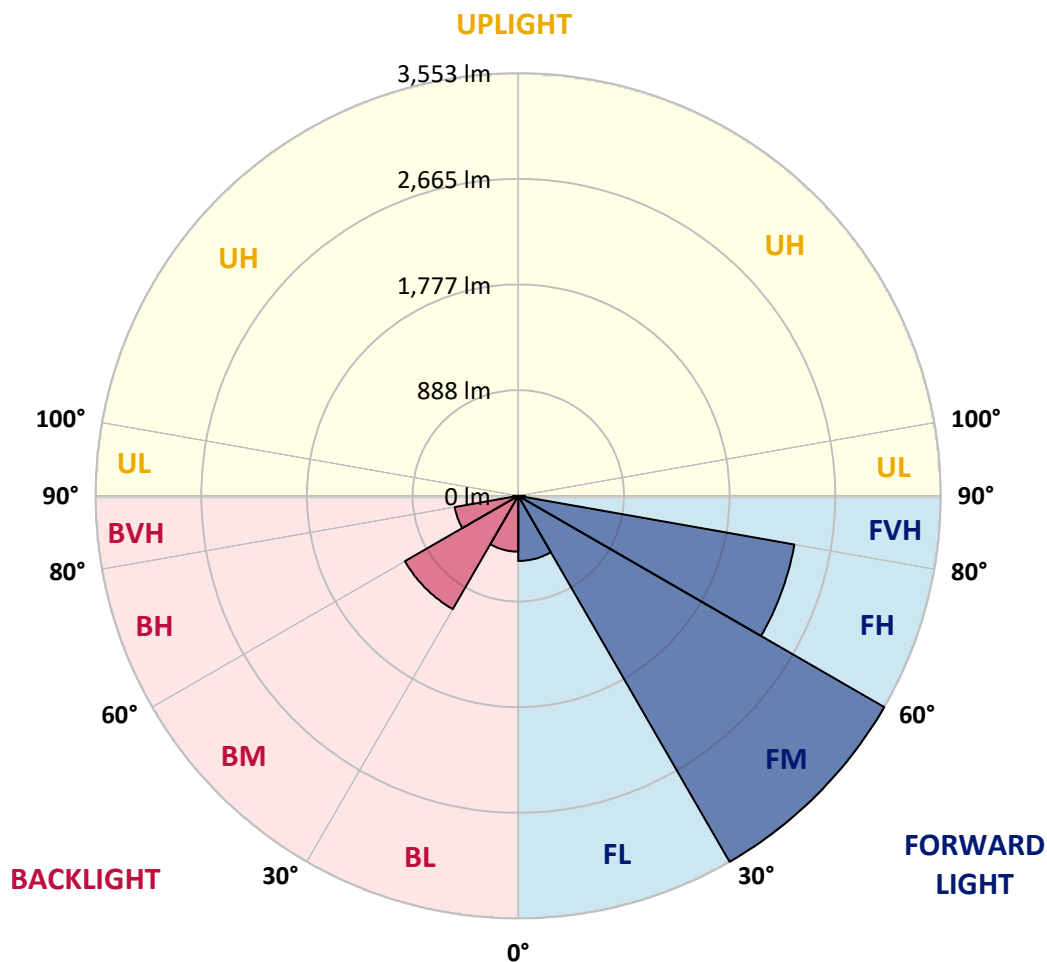
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 547.9 | 6.3 | | | |
| FM (30°-60°) | 3553.3 | 41.0 | | | |
| FH (60°-80°) | 2357.0 | 27.2 | | | G2/5000 |
| FVH (80°-90°) | 56.7 | 0.7 | | | G1/100 |
| BL (0°-30°) | 469.7 | 5.4 | B1/500 | | |
| BM (30°-60°) | 1100.5 | 12.7 | B2/2500 | | |
| BH (60°-80°) | 542.6 | 6.3 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 43.3 | 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° | 961.7 | 961.7 | 961.7 | 961.7 | 961.7 | 961.7 | 961.7 | 961.7 | 961.7 | 961.7 |
| 2.5° | 951.7 | 957.2 | 955.8 | 953.5 | 953.1 | 954.0 | 955.4 | 956.7 | 956.3 | 958.5 |
| 5° | 949.0 | 954.4 | 954.0 | 954.0 | 955.8 | 959.5 | 961.7 | 964.0 | 961.7 | 964.5 |
| 7.5° | 950.8 | 954.9 | 956.7 | 958.5 | 963.1 | 969.9 | 975.4 | 980.4 | 977.7 | 980.9 |
| 10° | 974.0 | 977.2 | 979.0 | 979.0 | 982.2 | 990.0 | 995.4 | 1004.6 | 1002.3 | 1007.3 |
| 12.5° | 1016.4 | 1019.6 | 1019.6 | 1017.8 | 1020.0 | 1025.1 | 1026.9 | 1036.9 | 1032.8 | 1041.0 |
| 15° | 1068.3 | 1074.7 | 1069.7 | 1066.5 | 1067.4 | 1072.4 | 1072.0 | 1079.7 | 1075.6 | 1082.5 |
| 17.5° | 1125.7 | 1133.9 | 1125.7 | 1125.3 | 1123.5 | 1128.9 | 1129.4 | 1136.2 | 1128.9 | 1133.9 |
| 20° | 1193.6 | 1205.0 | 1198.2 | 1200.5 | 1196.4 | 1198.6 | 1200.9 | 1210.9 | 1199.5 | 1203.2 |
| 22.5° | 1289.3 | 1303.0 | 1295.7 | 1304.3 | 1301.6 | 1299.8 | 1299.3 | 1317.1 | 1299.3 | 1300.7 |
| 25° | 1428.7 | 1445.1 | 1432.3 | 1444.2 | 1444.2 | 1450.1 | 1456.9 | 1479.7 | 1450.1 | 1441.5 |
| 27.5° | 1634.6 | 1651.0 | 1626.0 | 1633.3 | 1631.0 | 1645.6 | 1638.3 | 1694.8 | 1662.9 | 1648.7 |
| 30° | 1882.5 | 1911.6 | 1864.2 | 1862.4 | 1860.1 | 1883.4 | 1893.8 | 1931.2 | 1898.9 | 1884.7 |
| 32.5° | 2150.3 | 2180.9 | 2124.4 | 2108.0 | 2099.3 | 2113.4 | 2104.8 | 2134.8 | 2112.5 | 2090.7 |
| 35° | 2433.7 | 2463.8 | 2410.0 | 2378.1 | 2343.5 | 2313.9 | 2282.9 | 2290.7 | 2269.7 | 2236.4 |
| 37.5° | 2701.6 | 2756.7 | 2699.8 | 2665.6 | 2601.8 | 2544.0 | 2457.4 | 2421.4 | 2401.8 | 2371.3 |
| 40° | 2974.5 | 3005.9 | 2962.6 | 2933.5 | 2864.2 | 2773.6 | 2635.1 | 2559.0 | 2532.6 | 2503.0 |
| 42.5° | 3175.4 | 3205.5 | 3182.2 | 3162.2 | 3108.0 | 3002.7 | 2823.7 | 2728.5 | 2690.2 | 2656.9 |
| 45° | 3334.8 | 3357.2 | 3342.6 | 3349.9 | 3326.6 | 3224.6 | 3019.1 | 2910.2 | 2870.6 | 2830.1 |
| 47.5° | 3399.1 | 3422.8 | 3446.0 | 3489.3 | 3528.9 | 3453.7 | 3229.1 | 3107.1 | 3065.1 | 3023.7 |
| 50° | 3391.8 | 3415.9 | 3483.4 | 3575.4 | 3698.4 | 3673.3 | 3450.6 | 3316.6 | 3277.9 | 3230.5 |
| 52.5° | 3333.5 | 3360.8 | 3447.4 | 3600.4 | 3796.3 | 3837.8 | 3676.1 | 3533.0 | 3496.6 | 3440.1 |
| 55° | 3180.4 | 3196.8 | 3326.6 | 3543.5 | 3819.6 | 3952.6 | 3897.0 | 3763.5 | 3727.1 | 3648.3 |
| 57.5° | 2896.6 | 2920.3 | 3109.3 | 3390.0 | 3761.3 | 4030.5 | 4091.1 | 4005.9 | 3970.8 | 3857.4 |
| 60° | 2526.2 | 2564.0 | 2780.4 | 3132.1 | 3612.7 | 4030.1 | 4267.4 | 4244.2 | 4215.0 | 4063.3 |
| 62.5° | 2107.1 | 2150.8 | 2359.0 | 2767.6 | 3353.1 | 3915.7 | 4377.7 | 4443.7 | 4428.7 | 4253.3 |
| 65° | 1618.2 | 1648.3 | 1855.6 | 2296.1 | 2949.0 | 3670.1 | 4390.4 | 4579.9 | 4582.7 | 4397.7 |
| 67.5° | 1077.4 | 1164.0 | 1344.0 | 1723.0 | 2407.7 | 3268.8 | 4278.3 | 4602.3 | 4628.7 | 4447.4 |
| 70° | 525.7 | 639.6 | 815.9 | 1119.8 | 1723.0 | 2653.3 | 3985.4 | 4419.1 | 4477.9 | 4302.5 |
| 72.5° | 218.2 | 255.1 | 351.3 | 552.6 | 989.1 | 1790.4 | 3396.8 | 3922.5 | 4031.4 | 3812.3 |
| 75° | 147.2 | 159.5 | 200.9 | 283.4 | 450.6 | 882.9 | 2449.7 | 2924.8 | 3100.2 | 2879.3 |
| 77.5° | 113.4 | 121.2 | 146.2 | 198.2 | 267.9 | 333.9 | 1311.2 | 1762.6 | 1853.3 | 1715.7 |
| 80° | 89.3 | 95.2 | 109.3 | 144.4 | 190.0 | 178.6 | 446.9 | 798.6 | 851.0 | 713.9 |
| 82.5° | 77.4 | 79.7 | 78.4 | 97.9 | 126.2 | 104.3 | 146.7 | 294.8 | 325.3 | 236.0 |
| 85° | 56.0 | 62.4 | 65.1 | 60.6 | 67.0 | 52.8 | 60.1 | 104.3 | 114.8 | 102.5 |
| 87.5° | 22.8 | 33.7 | 41.5 | 39.2 | 24.6 | 15.0 | 18.7 | 30.5 | 35.1 | 38.3 |
| 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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 CATALOG NUMBER: GLAN-SB2A-730-U-T3

CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 961.7 | 0° | 961.7 | 961.7 | 961.7 | 961.7 | 961.7 | 961.7 | 961.7 | 961.7 | 961.7 | 961.7 |
| 962.2 | 2.5° | 962.6 | 965.8 | 968.1 | 970.8 | 972.7 | 975.4 | 980.9 | 984.1 | 984.5 | 986.8 |
| 969.5 | 5° | 971.3 | 975.9 | 980.9 | 988.2 | 996.4 | 1003.2 | 1013.7 | 1021.0 | 1023.7 | 1026.0 |
| 987.2 | 7.5° | 990.0 | 996.4 | 1005.5 | 1018.2 | 1030.1 | 1039.2 | 1051.9 | 1060.6 | 1069.2 | 1072.4 |
| 1015.5 | 10° | 1017.8 | 1026.9 | 1040.1 | 1057.4 | 1070.2 | 1082.0 | 1095.2 | 1102.5 | 1111.2 | 1114.8 |
| 1049.2 | 12.5° | 1052.4 | 1062.0 | 1079.3 | 1103.4 | 1115.3 | 1123.5 | 1128.0 | 1126.2 | 1128.0 | 1131.2 |
| 1089.7 | 15° | 1092.0 | 1102.5 | 1122.1 | 1148.1 | 1156.3 | 1149.0 | 1138.9 | 1129.8 | 1128.5 | 1129.4 |
| 1138.9 | 17.5° | 1138.9 | 1146.7 | 1169.5 | 1191.3 | 1185.4 | 1155.3 | 1133.5 | 1118.9 | 1111.6 | 1109.3 |
| 1201.8 | 20° | 1204.6 | 1204.6 | 1223.2 | 1236.9 | 1197.3 | 1146.2 | 1112.1 | 1088.4 | 1073.3 | 1067.0 |
| 1287.5 | 22.5° | 1284.3 | 1277.0 | 1288.8 | 1279.3 | 1195.0 | 1120.7 | 1073.3 | 1032.3 | 1009.6 | 1000.5 |
| 1407.3 | 25° | 1385.4 | 1376.8 | 1373.6 | 1314.3 | 1178.6 | 1080.2 | 1003.2 | 953.5 | 933.5 | 928.5 |
| 1579.9 | 27.5° | 1538.0 | 1516.2 | 1474.7 | 1333.5 | 1148.5 | 1016.4 | 921.2 | 875.2 | 863.8 | 864.2 |
| 1801.8 | 30° | 1741.2 | 1697.5 | 1595.9 | 1336.7 | 1099.3 | 926.2 | 837.4 | 804.6 | 799.1 | 801.4 |
| 1988.1 | 32.5° | 1929.4 | 1887.9 | 1719.8 | 1322.1 | 1023.7 | 837.8 | 762.2 | 740.3 | 732.1 | 734.8 |
| 2130.3 | 35° | 2077.0 | 2065.6 | 1834.6 | 1301.6 | 930.7 | 754.9 | 694.8 | 676.1 | 660.1 | 656.5 |
| 2264.2 | 37.5° | 2216.4 | 2211.8 | 1920.7 | 1272.9 | 838.7 | 696.1 | 640.5 | 615.9 | 592.7 | 580.0 |
| 2412.3 | 40° | 2369.5 | 2364.9 | 1977.2 | 1228.7 | 757.2 | 645.1 | 591.8 | 559.5 | 530.8 | 507.5 |
| 2579.9 | 42.5° | 2541.7 | 2514.8 | 2004.1 | 1165.4 | 687.9 | 601.8 | 552.2 | 508.4 | 470.6 | 449.2 |
| 2769.5 | 45° | 2729.8 | 2669.2 | 2003.6 | 1084.7 | 629.6 | 562.2 | 509.8 | 447.8 | 412.8 | 392.7 |
| 2964.0 | 47.5° | 2929.4 | 2816.8 | 1979.0 | 995.4 | 573.1 | 518.4 | 444.2 | 396.8 | 373.6 | 361.3 |
| 3175.4 | 50° | 3135.3 | 2954.9 | 1937.1 | 892.9 | 515.3 | 468.8 | 403.2 | 370.8 | 353.1 | 341.7 |
| 3385.0 | 52.5° | 3328.9 | 3080.2 | 1886.6 | 776.8 | 456.5 | 420.5 | 385.0 | 359.9 | 341.2 | 328.5 |
| 3588.1 | 55° | 3508.9 | 3188.1 | 1815.0 | 657.9 | 408.7 | 388.2 | 376.3 | 355.4 | 333.9 | 318.9 |
| 3794.5 | 57.5° | 3668.8 | 3258.3 | 1691.6 | 546.2 | 374.5 | 365.8 | 367.2 | 347.6 | 323.0 | 310.2 |
| 3997.7 | 60° | 3801.8 | 3309.8 | 1508.9 | 442.8 | 346.7 | 344.0 | 353.1 | 333.0 | 304.3 | 289.7 |
| 4169.5 | 62.5° | 3881.5 | 3308.9 | 1284.7 | 362.6 | 323.0 | 323.9 | 334.4 | 314.8 | 285.6 | 272.0 |
| 4259.2 | 65° | 3874.7 | 3227.8 | 1038.7 | 310.2 | 300.2 | 301.1 | 314.8 | 294.8 | 270.2 | 262.0 |
| 4214.1 | 67.5° | 3737.6 | 3030.1 | 796.8 | 276.1 | 275.2 | 279.3 | 295.2 | 281.1 | 260.6 | 259.7 |
| 3945.3 | 70° | 3366.3 | 2619.6 | 574.0 | 248.7 | 249.2 | 255.1 | 276.1 | 272.4 | 255.6 | 257.4 |
| 3317.1 | 72.5° | 2699.3 | 1997.3 | 385.4 | 220.0 | 220.5 | 230.1 | 257.9 | 265.6 | 250.6 | 274.7 |
| 2353.5 | 75° | 1797.7 | 1245.6 | 247.8 | 189.5 | 190.0 | 202.3 | 241.9 | 252.4 | 236.9 | 273.8 |
| 1224.6 | 77.5° | 863.8 | 559.9 | 179.5 | 159.5 | 159.5 | 170.8 | 209.1 | 226.0 | 201.8 | 212.8 |
| 393.6 | 80° | 298.4 | 210.5 | 141.2 | 128.5 | 125.7 | 133.5 | 176.3 | 195.9 | 174.0 | 160.4 |
| 128.5 | 82.5° | 117.5 | 109.3 | 113.4 | 99.8 | 90.7 | 95.7 | 137.1 | 161.7 | 128.0 | 115.7 |
| 72.4 | 85° | 67.4 | 71.1 | 80.2 | 66.1 | 52.4 | 58.8 | 100.7 | 116.2 | 96.6 | 85.2 |
| 23.7 | 87.5° | 18.2 | 25.1 | 36.9 | 34.2 | 23.7 | 25.1 | 47.8 | 64.2 | 55.6 | 42.8 |
| 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/> |
| 961.7 |
| 986.3 |
| 1025.5 |
| 1072.9 |
| 1116.6 |
| 1132.1 |
| 1132.6 |
| 1112.5 |
| 1065.6 |
| 999.1 |
| 929.4 |
| 865.6 |
| 809.1 |
| 738.5 |
| 659.2 |
| 580.4 |
| 509.8 |
| 450.6 |
| 391.8 |
| 358.5 |
| 337.6 |
| 323.0 |
| 313.0 |
| 302.0 |
| 283.4 |
| 267.9 |
| 261.5 |
| 261.0 |
| 256.9 |
| 278.4 |
| 276.1 |
| 195.0 |
| 150.3 |
| 115.3 |
| 87.0 |
| 44.2 |
| 0.0 |

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