

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: P846055

Luminaire Tested: **GLAN-SB1C-730-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846055
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1C-730-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH
HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5284 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

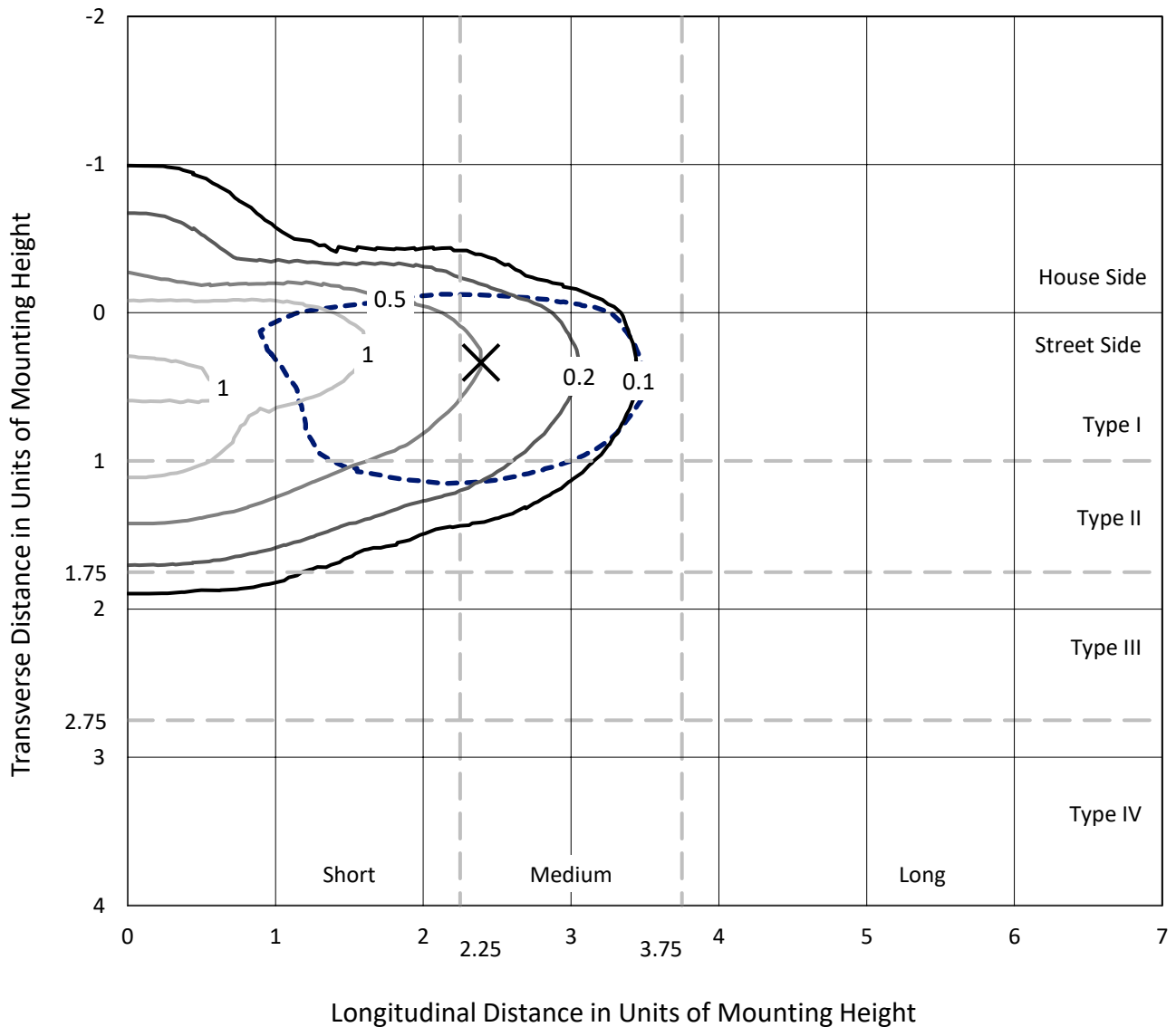
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

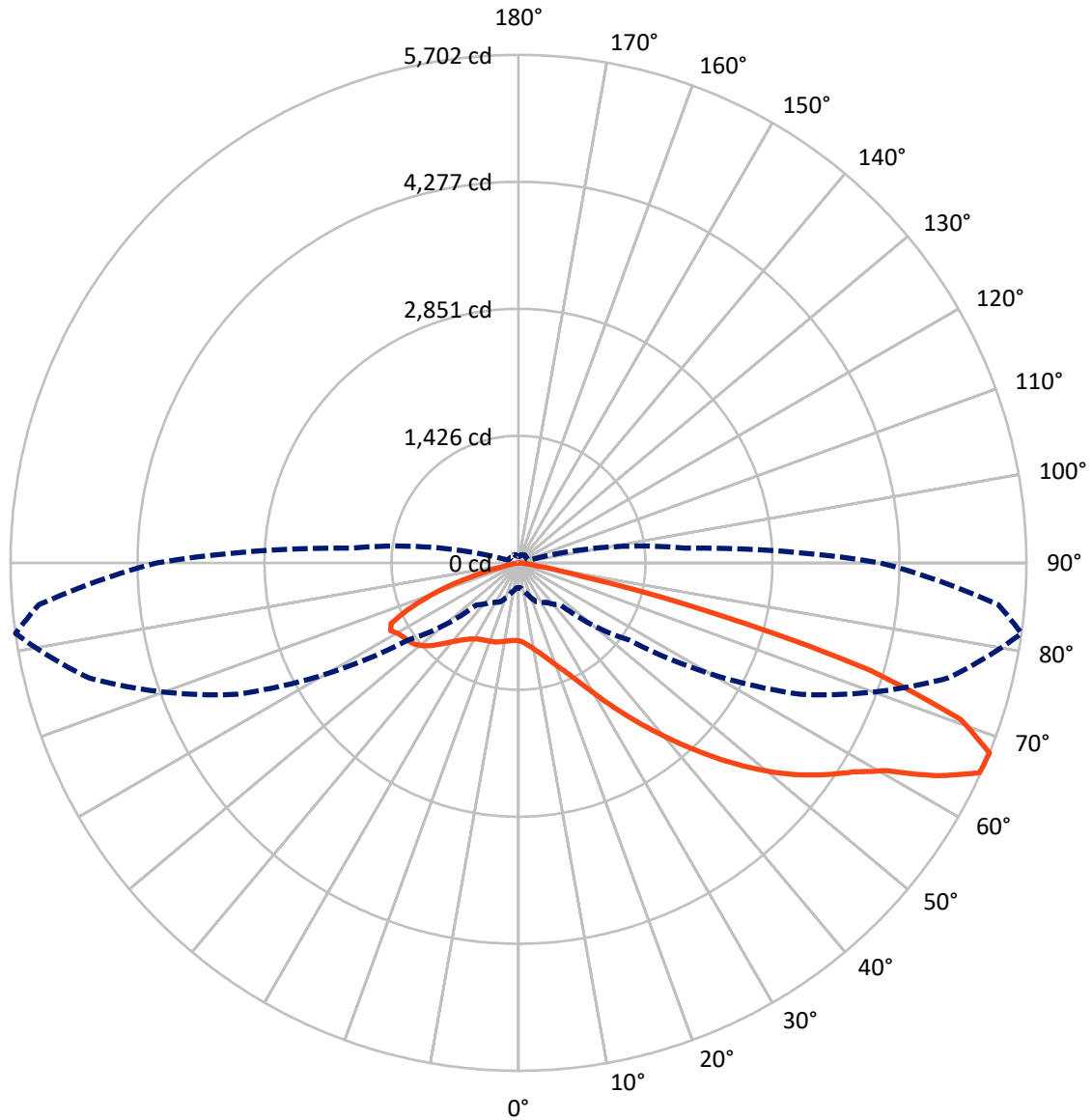
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 957.2 | 0.0 | 957.2 |
| | % Fixture | 18.1 | 0.0 | 18.1 |
| Street Side | Lumens | 4326.8 | 0.0 | 4326.8 |
| | % Fixture | 81.9 | 0.0 | 81.9 |
| Total | Lumens | 5284.0 | 0.0 | 5284.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 78.0 | 1.5 |
| 10°-20° | 202.7 | 3.8 |
| 20°-30° | 324.6 | 6.1 |
| 30°-40° | 574.0 | 10.9 |
| 40°-50° | 1005.7 | 19.0 |
| 50°-60° | 1341.3 | 25.4 |
| 60°-70° | 1248.7 | 23.6 |
| 70°-80° | 479.3 | 9.1 |
| 80°-90° | 29.8 | 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° | 5284.0 | 100.0 |
| 0°-180° | 5284.0 | 100.0 |

Coefficient of Utilization

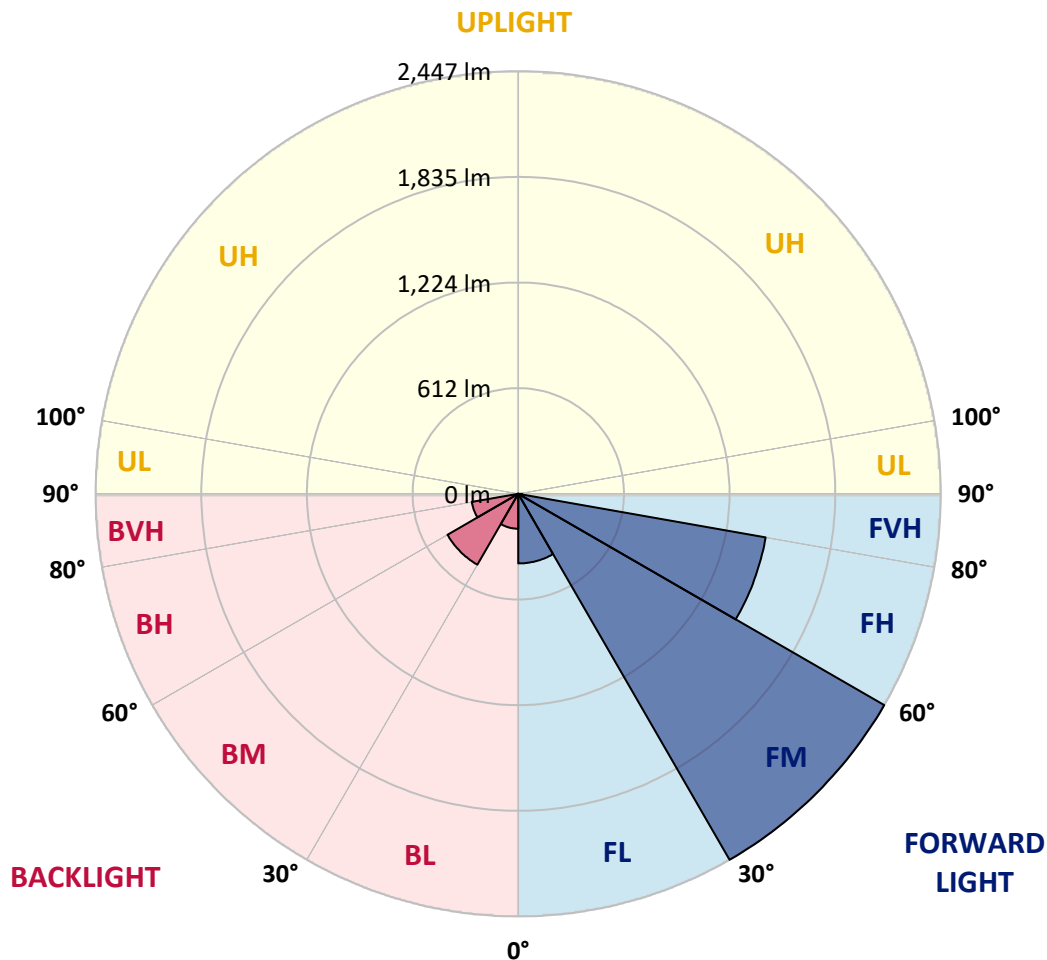


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 403.1 | 7.6 | | | |
| FM (30°-60°) | 2447.3 | 46.3 | | | |
| FH (60°-80°) | 1454.8 | 27.5 | | | G1/1800 |
| FVH (80°-90°) | 21.6 | 0.4 | | | G1/100 |
| BL (0°-30°) | 202.1 | 3.8 | B1/500 | | |
| BM (30°-60°) | 473.7 | 9.0 | B1/1000 | | |
| BH (60°-80°) | 273.2 | 5.2 | B1/500 | | G1/500 |
| BVH (80°-90°) | 8.1 | 0.2 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G1
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 82° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 875.4 | 875.4 | 875.4 | 875.4 | 875.4 | 875.4 | 875.4 | 875.4 | 875.4 | 875.4 |
| 2.5° | 925.2 | 930.5 | 927.5 | 926.0 | 923.3 | 919.5 | 916.5 | 907.0 | 897.1 | 890.6 |
| 5° | 943.9 | 949.2 | 948.8 | 950.3 | 952.2 | 953.4 | 952.6 | 942.0 | 927.9 | 916.8 |
| 7.5° | 927.9 | 934.0 | 938.9 | 946.5 | 959.8 | 973.9 | 980.8 | 978.5 | 964.0 | 948.8 |
| 10° | 882.6 | 889.1 | 900.9 | 918.7 | 946.9 | 977.3 | 1002.8 | 1014.6 | 1005.5 | 988.7 |
| 12.5° | 799.7 | 806.1 | 829.3 | 868.2 | 915.3 | 968.2 | 1016.9 | 1048.5 | 1050.8 | 1034.0 |
| 15° | 706.5 | 712.9 | 737.7 | 786.4 | 858.3 | 943.1 | 1024.5 | 1084.2 | 1104.4 | 1089.9 |
| 17.5° | 648.6 | 654.3 | 673.0 | 712.2 | 787.1 | 892.9 | 1021.8 | 1122.3 | 1168.3 | 1156.9 |
| 20° | 631.1 | 636.1 | 644.8 | 672.2 | 734.6 | 840.8 | 1004.3 | 1158.0 | 1237.2 | 1230.7 |
| 22.5° | 649.8 | 654.3 | 657.0 | 669.2 | 708.4 | 806.5 | 982.3 | 1194.6 | 1317.1 | 1317.8 |
| 25° | 692.8 | 697.3 | 694.3 | 701.9 | 719.0 | 795.9 | 973.9 | 1237.6 | 1417.5 | 1425.9 |
| 27.5° | 763.5 | 763.9 | 756.7 | 756.3 | 759.0 | 811.8 | 982.7 | 1283.6 | 1544.2 | 1559.8 |
| 30° | 905.4 | 899.7 | 872.0 | 841.9 | 828.2 | 859.8 | 1007.0 | 1338.0 | 1693.7 | 1721.5 |
| 32.5° | 1124.2 | 1115.8 | 1064.8 | 992.9 | 920.7 | 937.0 | 1050.8 | 1400.0 | 1856.5 | 1906.7 |
| 35° | 1361.6 | 1359.3 | 1306.0 | 1199.1 | 1072.8 | 1047.0 | 1121.9 | 1481.4 | 2034.2 | 2114.1 |
| 37.5° | 1582.2 | 1581.1 | 1550.7 | 1424.7 | 1271.0 | 1200.3 | 1236.0 | 1587.9 | 2224.4 | 2340.1 |
| 40° | 1783.9 | 1787.3 | 1756.8 | 1644.2 | 1489.4 | 1397.0 | 1391.2 | 1719.6 | 2435.9 | 2586.2 |
| 42.5° | 1958.1 | 1961.9 | 1931.1 | 1847.8 | 1705.1 | 1614.6 | 1581.8 | 1880.9 | 2642.5 | 2850.6 |
| 45° | 2076.4 | 2100.0 | 2095.4 | 2028.9 | 1926.5 | 1832.6 | 1810.9 | 2083.3 | 2878.0 | 3131.0 |
| 47.5° | 2109.9 | 2131.6 | 2165.8 | 2174.9 | 2112.6 | 2020.1 | 2046.0 | 2327.1 | 3116.1 | 3411.7 |
| 50° | 2027.3 | 2047.5 | 2118.6 | 2213.4 | 2256.7 | 2228.2 | 2274.6 | 2588.5 | 3360.0 | 3691.7 |
| 52.5° | 1864.5 | 1885.1 | 1974.8 | 2124.7 | 2301.6 | 2391.4 | 2504.0 | 2846.0 | 3596.2 | 3956.9 |
| 55° | 1629.0 | 1650.7 | 1766.0 | 1935.7 | 2216.0 | 2458.7 | 2695.4 | 3103.2 | 3812.7 | 4195.4 |
| 57.5° | 1308.7 | 1324.7 | 1444.5 | 1681.9 | 2000.7 | 2391.8 | 2836.5 | 3384.0 | 4016.6 | 4429.8 |
| 60° | 852.9 | 867.0 | 1006.2 | 1271.0 | 1643.9 | 2168.1 | 2864.7 | 3697.1 | 4287.5 | 4734.5 |
| 62.5° | 567.2 | 576.7 | 659.3 | 853.7 | 1157.7 | 1738.6 | 2699.9 | 3947.0 | 4684.7 | 5264.8 |
| 65° | 389.2 | 398.7 | 481.2 | 616.7 | 747.9 | 1150.1 | 2226.3 | 3913.9 | 5044.6 | 5686.0 |
| 67.5° | 277.7 | 285.7 | 355.7 | 483.5 | 541.4 | 668.0 | 1509.2 | 3490.9 | 4992.8 | 5702.0 |
| 70° | 199.0 | 203.5 | 261.4 | 376.6 | 430.3 | 401.4 | 839.2 | 2669.9 | 4371.6 | 5265.2 |
| 72.5° | 139.2 | 140.8 | 181.5 | 286.8 | 346.6 | 292.9 | 399.5 | 1780.1 | 3306.4 | 4132.7 |
| 75° | 94.3 | 96.2 | 122.1 | 210.4 | 278.1 | 223.7 | 211.5 | 954.5 | 1941.0 | 2287.6 |
| 77.5° | 57.8 | 58.6 | 78.7 | 143.8 | 208.1 | 170.4 | 136.2 | 404.4 | 751.0 | 737.3 |
| 80° | 32.7 | 32.7 | 50.2 | 89.4 | 141.9 | 109.9 | 95.5 | 172.0 | 237.8 | 208.9 |
| 82.5° | 18.3 | 18.6 | 36.5 | 55.5 | 94.0 | 65.1 | 52.5 | 79.5 | 102.7 | 90.9 |
| 85° | 7.6 | 8.4 | 22.4 | 26.2 | 44.9 | 32.3 | 21.3 | 33.5 | 38.0 | 33.9 |
| 87.5° | 0.8 | 1.1 | 6.8 | 4.9 | 5.3 | 6.5 | 3.0 | 6.5 | 5.3 | 5.3 |
| 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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CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 875.4 | 0° | 875.4 | 875.4 | 875.4 | 875.4 | 875.4 | 875.4 | 875.4 | 875.4 | 875.4 | 875.4 |
| 888.3 | 2.5° | 881.1 | 875.4 | 860.9 | 844.2 | 822.1 | 811.5 | 797.0 | 787.1 | 778.7 | 779.5 |
| 910.4 | 5° | 898.2 | 883.7 | 851.4 | 811.1 | 760.9 | 725.1 | 687.1 | 660.8 | 639.5 | 634.9 |
| 940.8 | 7.5° | 921.8 | 899.0 | 842.3 | 769.6 | 684.8 | 620.5 | 563.0 | 526.1 | 499.9 | 491.5 |
| 977.7 | 10° | 952.2 | 919.1 | 830.5 | 717.5 | 595.4 | 513.6 | 452.0 | 423.0 | 405.2 | 399.1 |
| 1021.1 | 12.5° | 987.6 | 942.3 | 814.9 | 654.0 | 503.3 | 424.6 | 385.4 | 370.9 | 365.2 | 363.3 |
| 1074.3 | 15° | 1032.1 | 971.2 | 791.3 | 578.6 | 425.3 | 370.2 | 353.4 | 351.5 | 352.3 | 351.5 |
| 1138.3 | 17.5° | 1085.0 | 1002.8 | 752.9 | 501.0 | 372.8 | 342.4 | 336.3 | 337.8 | 339.7 | 339.3 |
| 1209.8 | 20° | 1142.8 | 1034.0 | 703.8 | 432.2 | 337.1 | 322.6 | 319.2 | 320.7 | 322.2 | 321.5 |
| 1292.3 | 22.5° | 1208.6 | 1067.5 | 649.4 | 378.5 | 313.1 | 304.3 | 300.5 | 300.9 | 300.9 | 299.4 |
| 1397.0 | 25° | 1287.4 | 1104.4 | 592.3 | 340.5 | 294.8 | 288.0 | 283.4 | 281.9 | 279.6 | 275.1 |
| 1524.0 | 27.5° | 1381.4 | 1143.6 | 537.6 | 313.9 | 280.4 | 273.9 | 268.6 | 264.8 | 259.1 | 251.5 |
| 1676.6 | 30° | 1487.1 | 1191.1 | 491.1 | 297.1 | 269.0 | 262.5 | 256.4 | 250.7 | 242.3 | 232.8 |
| 1852.0 | 32.5° | 1611.5 | 1242.1 | 457.3 | 286.1 | 258.7 | 251.8 | 244.6 | 237.8 | 228.6 | 219.1 |
| 2049.0 | 35° | 1759.9 | 1303.7 | 437.5 | 278.5 | 250.7 | 241.6 | 233.6 | 226.0 | 219.1 | 210.8 |
| 2263.2 | 37.5° | 1920.8 | 1369.2 | 431.4 | 274.7 | 245.4 | 231.3 | 222.2 | 216.8 | 216.1 | 211.1 |
| 2494.9 | 40° | 2097.0 | 1446.8 | 436.0 | 272.4 | 239.7 | 221.4 | 211.5 | 210.4 | 212.3 | 203.5 |
| 2742.6 | 42.5° | 2283.4 | 1538.9 | 443.6 | 269.7 | 231.7 | 211.5 | 202.0 | 202.0 | 200.5 | 188.3 |
| 3004.3 | 45° | 2485.0 | 1645.0 | 451.2 | 263.3 | 222.2 | 201.6 | 194.4 | 191.7 | 185.3 | 173.5 |
| 3267.6 | 47.5° | 2688.2 | 1753.0 | 456.9 | 251.5 | 210.8 | 193.3 | 186.8 | 180.7 | 171.2 | 160.5 |
| 3525.9 | 50° | 2881.0 | 1850.1 | 450.8 | 234.0 | 197.8 | 185.3 | 178.4 | 170.1 | 159.8 | 152.6 |
| 3770.5 | 52.5° | 3053.4 | 1934.1 | 424.9 | 213.4 | 184.1 | 176.9 | 170.8 | 162.1 | 153.7 | 146.1 |
| 3991.1 | 55° | 3203.3 | 2002.2 | 379.3 | 194.0 | 172.0 | 169.7 | 163.6 | 152.6 | 141.1 | 134.7 |
| 4209.9 | 57.5° | 3347.1 | 2054.0 | 322.2 | 178.0 | 160.9 | 161.7 | 152.6 | 142.7 | 132.0 | 125.2 |
| 4504.7 | 60° | 3538.4 | 2123.2 | 264.4 | 163.2 | 149.1 | 151.4 | 141.5 | 134.3 | 121.0 | 112.2 |
| 5010.3 | 62.5° | 3844.3 | 2230.9 | 210.0 | 144.9 | 135.4 | 136.2 | 132.0 | 123.3 | 107.3 | 97.0 |
| 5385.1 | 65° | 4087.0 | 2191.3 | 165.5 | 125.2 | 119.8 | 121.0 | 121.0 | 111.5 | 94.3 | 82.6 |
| 5405.2 | 67.5° | 4059.6 | 1876.3 | 132.0 | 105.8 | 105.0 | 105.8 | 108.4 | 100.4 | 83.7 | 74.2 |
| 4993.6 | 70° | 3739.7 | 1492.4 | 105.8 | 87.9 | 91.3 | 89.4 | 97.0 | 91.7 | 75.3 | 65.8 |
| 3871.3 | 72.5° | 3051.5 | 1075.1 | 80.7 | 72.7 | 70.0 | 73.0 | 87.5 | 82.6 | 62.8 | 52.1 |
| 2050.5 | 75° | 1783.1 | 573.7 | 60.1 | 57.4 | 50.6 | 60.9 | 77.6 | 70.4 | 47.9 | 38.4 |
| 628.5 | 77.5° | 580.5 | 200.1 | 44.1 | 42.2 | 37.7 | 49.1 | 66.2 | 59.3 | 39.2 | 30.4 |
| 184.1 | 80° | 155.6 | 60.5 | 30.1 | 27.8 | 24.3 | 36.5 | 52.5 | 47.2 | 28.2 | 19.8 |
| 79.1 | 82.5° | 62.4 | 25.5 | 17.5 | 15.6 | 13.3 | 25.1 | 41.5 | 38.0 | 20.9 | 12.6 |
| 24.7 | 85° | 20.2 | 8.4 | 6.5 | 4.9 | 6.1 | 15.6 | 24.7 | 25.9 | 14.8 | 6.5 |
| 3.8 | 87.5° | 2.7 | 1.1 | 1.1 | 1.5 | 1.1 | 2.7 | 7.6 | 7.2 | 4.2 | 0.8 |
| 0.0 | 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END O

| 180° |
|-------|
| 875.4 |
| 771.9 |
| 624.7 |
| 483.2 |
| 394.5 |
| 362.2 |
| 351.1 |
| 338.6 |
| 321.1 |
| 298.6 |
| 274.3 |
| 250.7 |
| 232.1 |
| 219.5 |
| 210.0 |
| 210.8 |
| 203.9 |
| 188.3 |
| 173.1 |
| 160.2 |
| 151.4 |
| 145.3 |
| 133.9 |
| 124.4 |
| 111.1 |
| 96.2 |
| 81.4 |
| 72.7 |
| 64.7 |
| 51.0 |
| 37.3 |
| 29.3 |
| 19.4 |
| 12.6 |
| 4.9 |
| 0.0 |
| 0.0 |

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