

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: P852189

Luminaire Tested: **GLAN-SB2A-730-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852189
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2A-730-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8565 lumens
Efficiency: N/A
Efficacy: 149.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

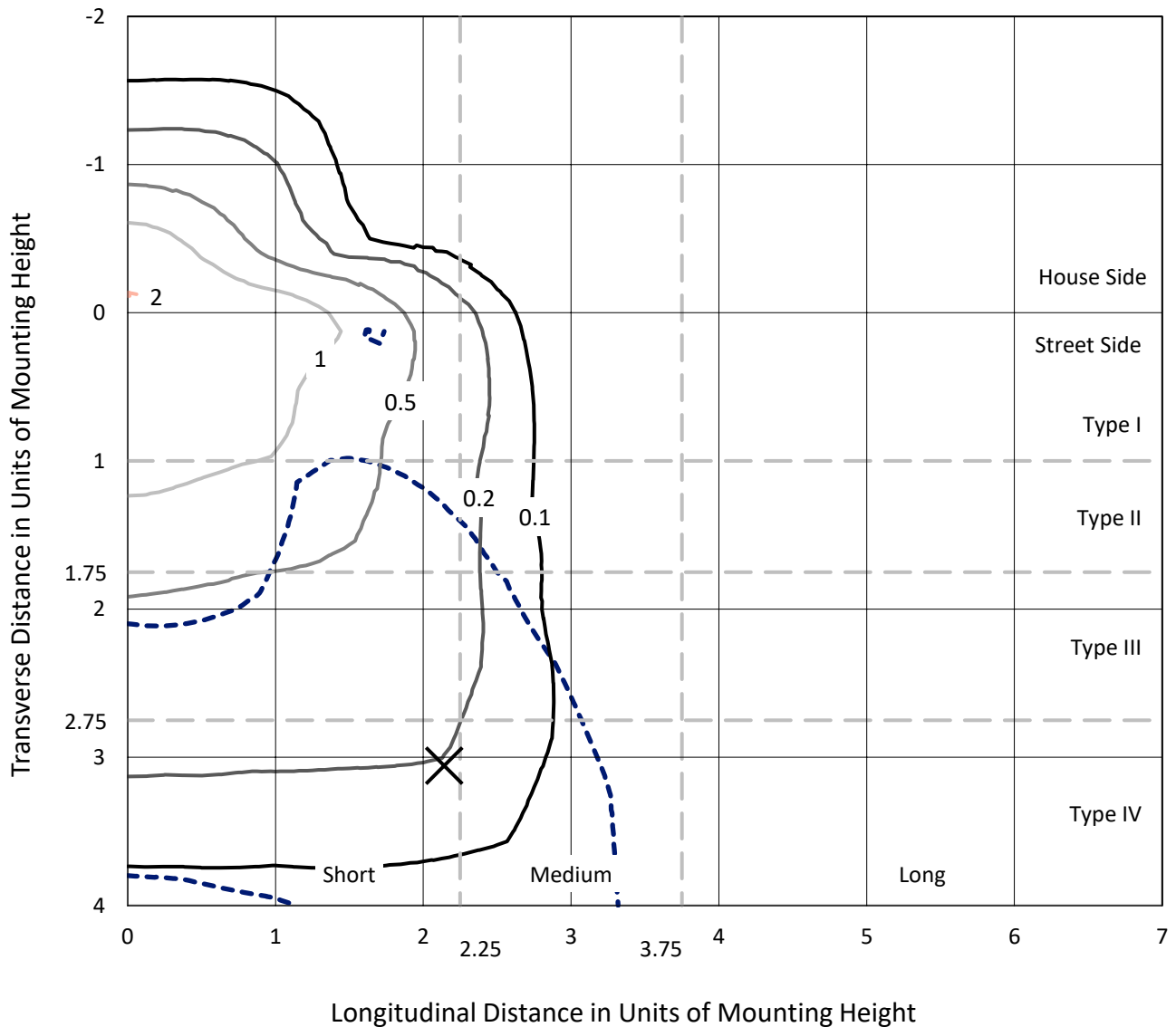
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

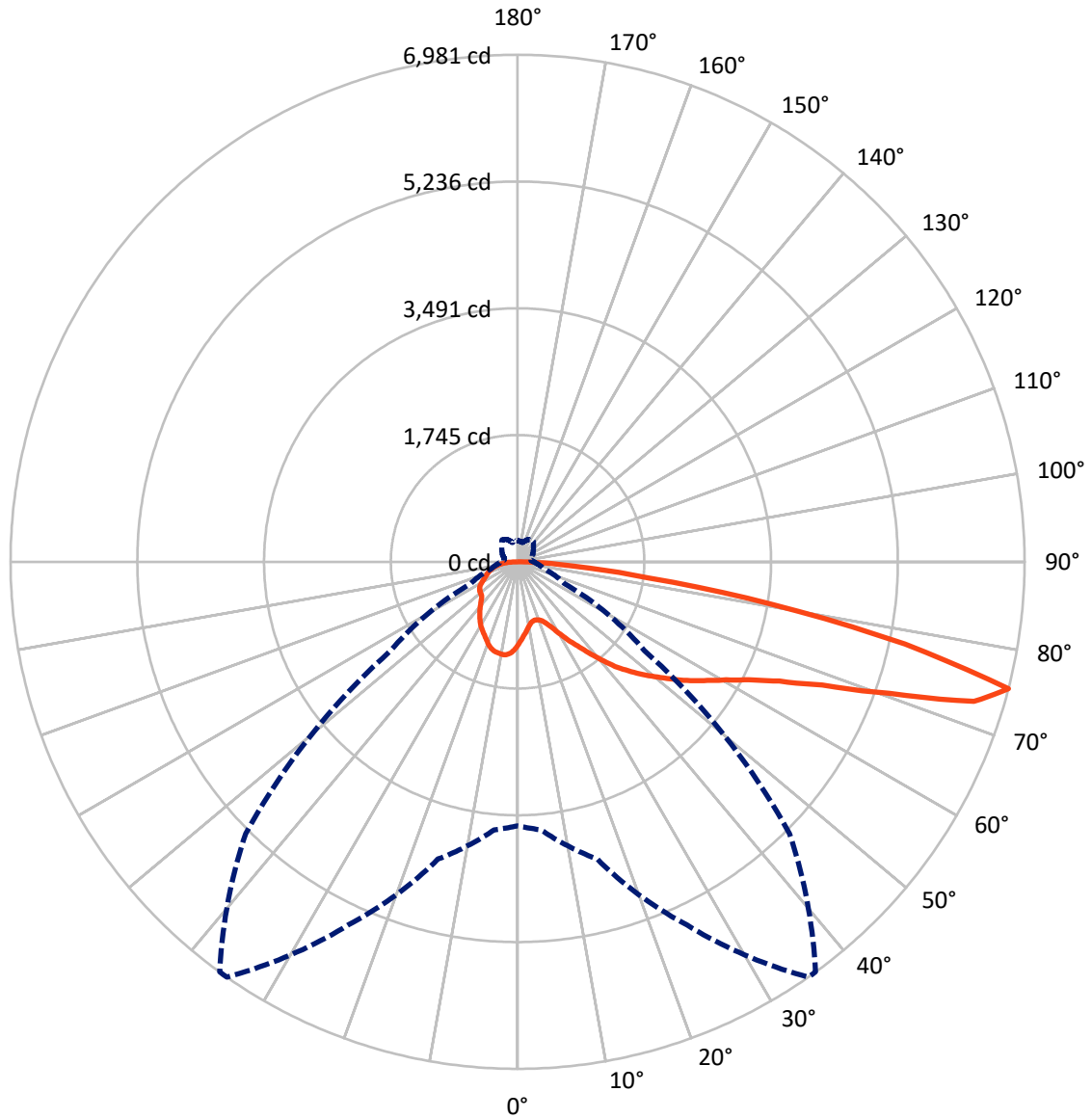
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 2038.3 | 0.0 | 2038.3 |
| | % Fixture | 23.8 | 0.0 | 23.8 |
| Street Side | Lumens | 6526.7 | 0.0 | 6526.7 |
| | % Fixture | 76.2 | 0.0 | 76.2 |
| Total | Lumens | 8565.0 | 0.0 | 8565.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 108.1 | 1.3 |
| 10°-20° | 311.7 | 3.6 |
| 20°-30° | 523.4 | 6.1 |
| 30°-40° | 813.5 | 9.5 |
| 40°-50° | 1207.4 | 14.1 |
| 50°-60° | 1666.9 | 19.5 |
| 60°-70° | 2022.3 | 23.6 |
| 70°-80° | 1671.3 | 19.5 |
| 80°-90° | 240.4 | 2.8 |
| 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° | 8565.0 | 100.0 |
| 0°-180° | 8565.0 | 100.0 |

Coefficient of Utilization



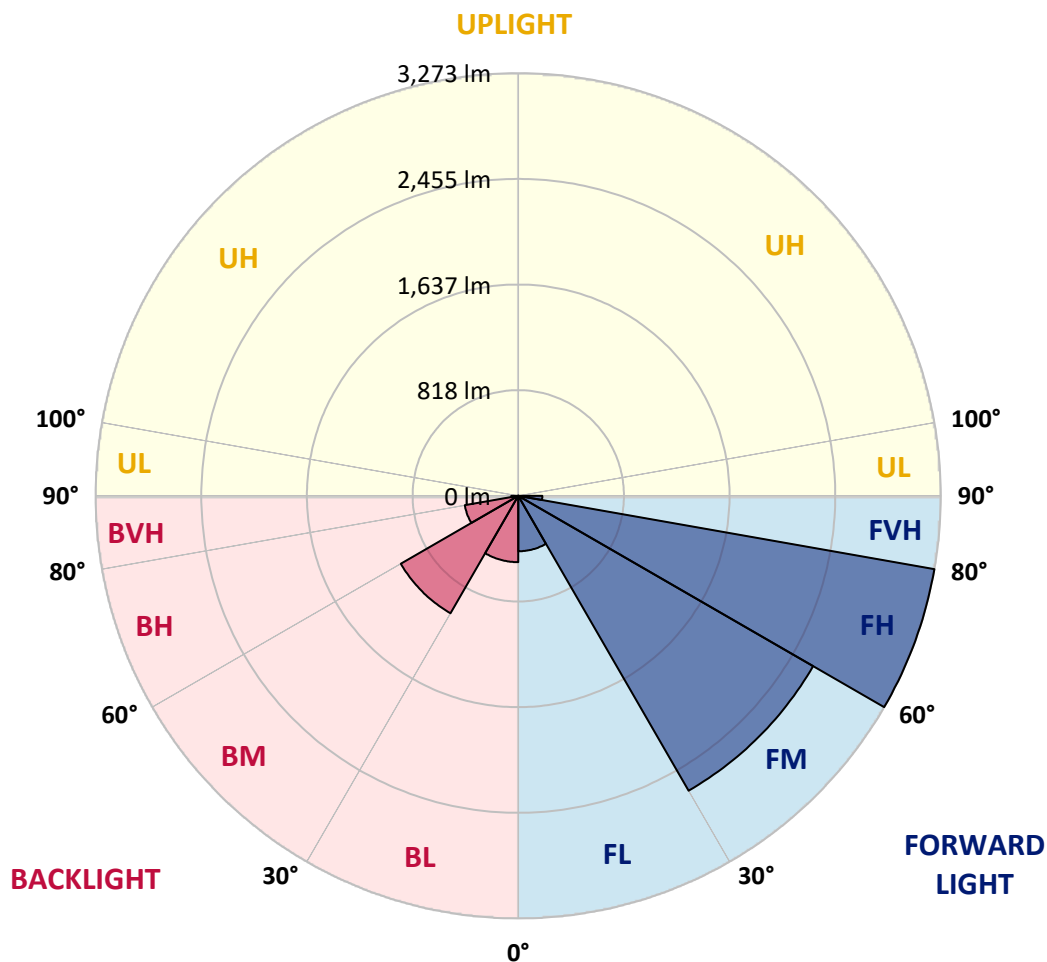
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 429.5 | 5.0 | | | |
| FM (30°-60°) | 2637.6 | 30.8 | | | |
| FH (60°-80°) | 3273.4 | 38.2 | | | G2/5000 |
| FVH (80°-90°) | 186.3 | 2.2 | | | G2/225 |
| BL (0°-30°) | 513.7 | 6.0 | B2/1000 | | |
| BM (30°-60°) | 1050.2 | 12.3 | B2/2500 | | |
| BH (60°-80°) | 420.2 | 4.9 | B1/500 | | G1/500 |
| BVH (80°-90°) | 54.1 | 0.6 | | | 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 IV Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 36° | 45° | 55° | 65° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1141.3 | 1141.3 | 1141.3 | 1141.3 | 1141.3 | 1141.3 | 1141.3 | 1141.3 | 1141.3 | 1141.3 |
| 2.5° | 1052.4 | 1058.9 | 1061.7 | 1060.3 | 1067.3 | 1066.3 | 1076.1 | 1088.1 | 1104.8 | 1121.0 |
| 5° | 971.4 | 978.4 | 984.4 | 989.9 | 1003.4 | 1007.5 | 1022.8 | 1046.0 | 1076.5 | 1107.5 |
| 7.5° | 895.9 | 902.0 | 911.2 | 921.4 | 944.1 | 948.3 | 973.7 | 1009.8 | 1052.4 | 1097.8 |
| 10° | 834.4 | 840.4 | 850.1 | 861.7 | 889.9 | 895.0 | 927.4 | 975.6 | 1031.1 | 1088.6 |
| 12.5° | 808.0 | 809.8 | 815.4 | 827.0 | 851.5 | 854.7 | 890.4 | 945.5 | 1010.3 | 1081.6 |
| 15° | 806.6 | 810.3 | 810.7 | 816.8 | 837.1 | 838.5 | 871.4 | 926.0 | 997.3 | 1080.2 |
| 17.5° | 820.5 | 823.2 | 819.1 | 822.8 | 839.9 | 842.2 | 868.2 | 916.8 | 993.2 | 1086.2 |
| 20° | 857.5 | 859.8 | 847.3 | 842.2 | 854.7 | 856.6 | 882.1 | 922.8 | 997.3 | 1098.7 |
| 22.5° | 936.2 | 937.6 | 907.1 | 886.2 | 887.1 | 888.1 | 910.3 | 947.3 | 1013.6 | 1121.4 |
| 25° | 1058.9 | 1058.0 | 1009.4 | 969.1 | 945.9 | 940.9 | 955.7 | 987.2 | 1040.9 | 1151.5 |
| 27.5° | 1202.5 | 1195.5 | 1146.9 | 1086.7 | 1036.2 | 1028.8 | 1025.6 | 1039.0 | 1079.8 | 1191.4 |
| 30° | 1364.5 | 1358.0 | 1305.7 | 1227.0 | 1157.1 | 1145.0 | 1114.5 | 1107.5 | 1137.6 | 1245.5 |
| 32.5° | 1542.3 | 1538.2 | 1475.6 | 1380.3 | 1286.7 | 1272.8 | 1221.4 | 1202.9 | 1226.5 | 1327.5 |
| 35° | 1691.4 | 1687.7 | 1635.8 | 1537.7 | 1423.3 | 1406.2 | 1353.9 | 1333.0 | 1345.1 | 1432.6 |
| 37.5° | 1826.2 | 1824.3 | 1779.8 | 1702.5 | 1584.5 | 1563.6 | 1504.8 | 1497.9 | 1495.6 | 1571.0 |
| 40° | 1951.2 | 1946.5 | 1900.2 | 1859.5 | 1772.0 | 1753.0 | 1701.1 | 1695.1 | 1677.5 | 1741.4 |
| 42.5° | 2089.6 | 2077.6 | 2010.4 | 1991.4 | 1967.8 | 1952.1 | 1921.1 | 1922.0 | 1883.1 | 1933.6 |
| 45° | 2202.6 | 2195.6 | 2126.7 | 2115.5 | 2141.0 | 2134.5 | 2161.4 | 2168.3 | 2092.9 | 2135.0 |
| 47.5° | 2323.9 | 2317.4 | 2259.1 | 2251.2 | 2320.2 | 2322.0 | 2417.0 | 2419.3 | 2297.5 | 2344.3 |
| 50° | 2473.5 | 2464.2 | 2406.3 | 2416.0 | 2493.4 | 2500.3 | 2673.9 | 2658.2 | 2486.0 | 2556.8 |
| 52.5° | 2572.1 | 2577.6 | 2565.1 | 2580.9 | 2686.4 | 2692.9 | 2926.7 | 2886.5 | 2672.6 | 2766.5 |
| 55° | 2644.8 | 2655.9 | 2694.8 | 2730.9 | 2890.2 | 2896.7 | 3165.2 | 3103.6 | 2827.2 | 2961.0 |
| 57.5° | 2738.3 | 2722.6 | 2795.3 | 2865.6 | 3083.7 | 3100.8 | 3397.2 | 3312.9 | 2964.3 | 3128.6 |
| 60° | 2872.6 | 2861.5 | 2918.0 | 3022.1 | 3300.4 | 3327.7 | 3642.6 | 3501.4 | 3064.7 | 3261.5 |
| 62.5° | 3144.8 | 3117.1 | 3125.8 | 3218.0 | 3573.6 | 3609.7 | 3919.5 | 3665.7 | 3114.7 | 3313.4 |
| 65° | 3551.8 | 3504.1 | 3459.7 | 3523.6 | 3958.4 | 3994.0 | 4232.0 | 3794.9 | 3096.2 | 3212.9 |
| 67.5° | 4064.4 | 4017.2 | 3962.5 | 4022.7 | 4525.1 | 4553.3 | 4617.7 | 3867.6 | 2950.4 | 2825.8 |
| 70° | 4487.1 | 4469.5 | 4534.8 | 4782.5 | 5430.3 | 5431.2 | 5112.2 | 3807.4 | 2550.8 | 2003.5 |
| 72.5° | 4431.1 | 4420.5 | 4764.5 | 5530.3 | 6571.2 | 6546.6 | 5580.3 | 3351.8 | 1718.3 | 903.8 |
| 75° | 3635.2 | 3704.2 | 4237.1 | 5516.9 | 6981.0 | 6977.7 | 5293.7 | 2130.8 | 710.7 | 374.6 |
| 77.5° | 1949.3 | 2058.6 | 2750.8 | 4073.2 | 5449.7 | 5531.7 | 3721.8 | 745.5 | 305.1 | 239.8 |
| 80° | 635.7 | 731.1 | 1096.4 | 2073.9 | 3541.2 | 3525.9 | 1595.1 | 292.6 | 208.8 | 169.9 |
| 82.5° | 269.9 | 281.1 | 489.9 | 979.3 | 1817.4 | 1789.1 | 507.9 | 168.1 | 146.8 | 116.2 |
| 85° | 105.6 | 118.1 | 216.2 | 452.8 | 787.1 | 770.0 | 183.4 | 83.3 | 94.0 | 75.9 |
| 87.5° | 34.7 | 42.1 | 77.3 | 155.1 | 244.9 | 236.1 | 44.9 | 28.7 | 40.7 | 34.7 |
| 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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 CATALOG NUMBER: GLAN-SB2A-730-U-T4FT

CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1141.3 | 0° | 1141.3 | 1141.3 | 1141.3 | 1141.3 | 1141.3 | 1141.3 | 1141.3 | 1141.3 | 1141.3 | 1141.3 |
| 1144.6 | 2.5° | 1151.1 | 1158.5 | 1167.3 | 1180.2 | 1191.4 | 1200.6 | 1210.3 | 1216.4 | 1218.7 | 1225.6 |
| 1146.4 | 5° | 1159.4 | 1175.6 | 1197.4 | 1218.7 | 1239.5 | 1252.0 | 1263.1 | 1268.7 | 1273.8 | 1277.5 |
| 1151.5 | 7.5° | 1173.3 | 1194.1 | 1228.4 | 1256.2 | 1273.8 | 1284.0 | 1291.4 | 1289.5 | 1291.4 | 1292.3 |
| 1157.1 | 10° | 1185.3 | 1214.5 | 1255.2 | 1281.6 | 1295.1 | 1295.5 | 1293.7 | 1287.2 | 1284.0 | 1284.4 |
| 1165.4 | 12.5° | 1199.7 | 1232.1 | 1276.1 | 1298.3 | 1302.0 | 1291.8 | 1284.0 | 1272.8 | 1268.7 | 1266.8 |
| 1177.9 | 15° | 1219.1 | 1256.2 | 1298.8 | 1307.1 | 1297.8 | 1284.9 | 1271.5 | 1253.4 | 1244.1 | 1236.7 |
| 1199.2 | 17.5° | 1242.7 | 1283.5 | 1316.4 | 1310.3 | 1290.4 | 1269.1 | 1247.4 | 1220.1 | 1201.1 | 1193.2 |
| 1228.4 | 20° | 1275.6 | 1312.2 | 1329.8 | 1303.4 | 1273.3 | 1240.9 | 1203.9 | 1170.5 | 1152.9 | 1145.0 |
| 1265.4 | 22.5° | 1315.4 | 1350.6 | 1342.8 | 1291.4 | 1248.8 | 1196.9 | 1150.6 | 1126.1 | 1117.3 | 1111.7 |
| 1313.1 | 25° | 1363.1 | 1393.2 | 1352.0 | 1273.8 | 1208.5 | 1138.6 | 1102.9 | 1095.0 | 1090.9 | 1086.7 |
| 1371.5 | 27.5° | 1425.2 | 1441.4 | 1359.0 | 1247.8 | 1145.5 | 1076.5 | 1063.6 | 1064.9 | 1063.6 | 1056.6 |
| 1452.5 | 30° | 1507.1 | 1503.9 | 1365.4 | 1205.7 | 1073.3 | 1020.5 | 1021.4 | 1027.4 | 1028.4 | 1023.7 |
| 1565.5 | 32.5° | 1615.0 | 1582.1 | 1368.7 | 1151.1 | 1004.3 | 971.4 | 972.3 | 978.8 | 983.5 | 975.6 |
| 1713.2 | 35° | 1745.6 | 1673.4 | 1363.6 | 1082.5 | 951.0 | 924.7 | 917.7 | 919.6 | 920.9 | 913.5 |
| 1892.4 | 37.5° | 1897.9 | 1775.7 | 1340.9 | 1006.6 | 907.1 | 878.8 | 864.0 | 851.5 | 844.1 | 837.1 |
| 2095.2 | 40° | 2065.1 | 1887.3 | 1299.2 | 932.5 | 858.0 | 830.2 | 808.0 | 784.4 | 759.4 | 750.1 |
| 2310.0 | 42.5° | 2240.1 | 2002.1 | 1248.8 | 861.7 | 801.5 | 778.8 | 755.2 | 720.9 | 683.4 | 664.4 |
| 2533.2 | 45° | 2421.6 | 2119.7 | 1199.2 | 791.8 | 743.6 | 733.9 | 706.6 | 665.4 | 624.6 | 600.5 |
| 2756.8 | 47.5° | 2599.4 | 2230.8 | 1126.5 | 721.4 | 689.4 | 700.1 | 678.8 | 640.8 | 595.4 | 557.5 |
| 2978.6 | 50° | 2769.3 | 2335.0 | 1007.5 | 650.1 | 645.4 | 689.9 | 669.5 | 614.9 | 563.0 | 514.4 |
| 3196.2 | 52.5° | 2937.9 | 2419.3 | 855.2 | 585.3 | 621.8 | 687.1 | 657.5 | 597.3 | 533.9 | 482.9 |
| 3400.9 | 55° | 3080.9 | 2462.8 | 708.4 | 529.7 | 587.6 | 663.5 | 643.1 | 576.5 | 492.7 | 438.5 |
| 3541.2 | 57.5° | 3162.4 | 2427.6 | 586.2 | 475.1 | 540.3 | 624.6 | 618.6 | 532.0 | 443.6 | 401.9 |
| 3568.5 | 60° | 3127.2 | 2285.0 | 486.2 | 427.4 | 495.4 | 582.5 | 576.0 | 488.0 | 406.1 | 366.7 |
| 3422.2 | 62.5° | 2933.2 | 2013.2 | 407.0 | 385.7 | 454.7 | 539.4 | 533.4 | 454.2 | 377.4 | 339.4 |
| 3033.7 | 65° | 2542.4 | 1637.7 | 345.4 | 351.0 | 413.5 | 487.6 | 496.4 | 426.0 | 354.7 | 317.6 |
| 2347.0 | 67.5° | 1939.1 | 1186.3 | 297.3 | 320.9 | 373.2 | 436.6 | 462.1 | 405.6 | 335.7 | 300.5 |
| 1358.0 | 70° | 1105.2 | 673.7 | 256.5 | 291.7 | 337.5 | 389.4 | 435.7 | 389.4 | 315.3 | 286.1 |
| 508.9 | 72.5° | 419.0 | 309.3 | 221.8 | 262.5 | 303.3 | 349.6 | 406.5 | 363.9 | 291.7 | 269.9 |
| 263.0 | 75° | 223.6 | 188.4 | 186.6 | 228.3 | 263.9 | 310.7 | 370.0 | 338.9 | 274.1 | 285.2 |
| 182.0 | 77.5° | 152.3 | 133.3 | 156.0 | 195.4 | 220.9 | 267.6 | 331.1 | 301.0 | 237.5 | 236.6 |
| 125.9 | 80° | 105.6 | 94.5 | 126.9 | 157.4 | 170.9 | 225.0 | 288.9 | 258.4 | 193.5 | 180.6 |
| 77.8 | 82.5° | 63.4 | 61.6 | 94.9 | 117.6 | 120.8 | 173.6 | 239.4 | 216.7 | 158.4 | 138.0 |
| 46.3 | 85° | 34.7 | 36.6 | 60.7 | 69.0 | 70.4 | 121.3 | 187.5 | 167.6 | 121.8 | 102.3 |
| 16.7 | 87.5° | 9.7 | 12.5 | 22.2 | 27.3 | 33.8 | 63.0 | 111.6 | 99.5 | 61.1 | 42.6 |
| 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

| <u>180°</u> |
|-------------|
| 1141.3 |
| 1225.2 |
| 1278.4 |
| 1293.7 |
| 1285.3 |
| 1265.9 |
| 1239.0 |
| 1193.7 |
| 1144.1 |
| 1112.6 |
| 1086.7 |
| 1058.0 |
| 1026.1 |
| 979.3 |
| 918.6 |
| 841.8 |
| 754.3 |
| 666.7 |
| 598.7 |
| 553.3 |
| 510.2 |
| 477.4 |
| 433.8 |
| 396.3 |
| 361.2 |
| 333.4 |
| 311.6 |
| 294.9 |
| 282.4 |
| 266.2 |
| 294.5 |
| 218.1 |
| 172.7 |
| 138.9 |
| 103.3 |
| 42.6 |
| 0.0 |

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