

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: McGRAW-EDISON

Report Number: P940369

Luminaire Tested: **GALN-SB3B-927-U-T4FT**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940369  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB3B-927-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

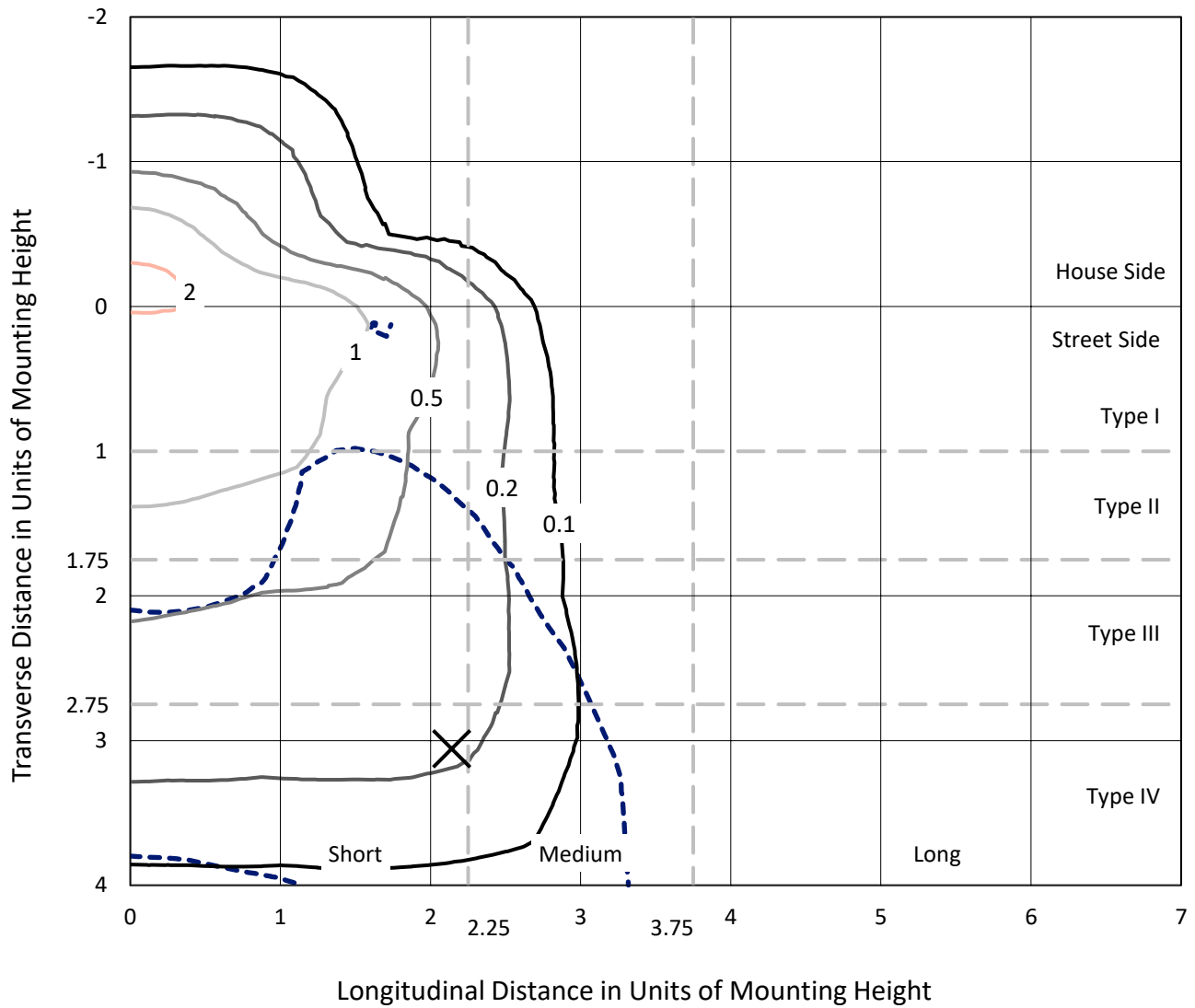
Lumens per Lamp: N/A  
Luminaire Lumens: 10164 lumens  
Efficiency: N/A  
Efficacy: 93.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

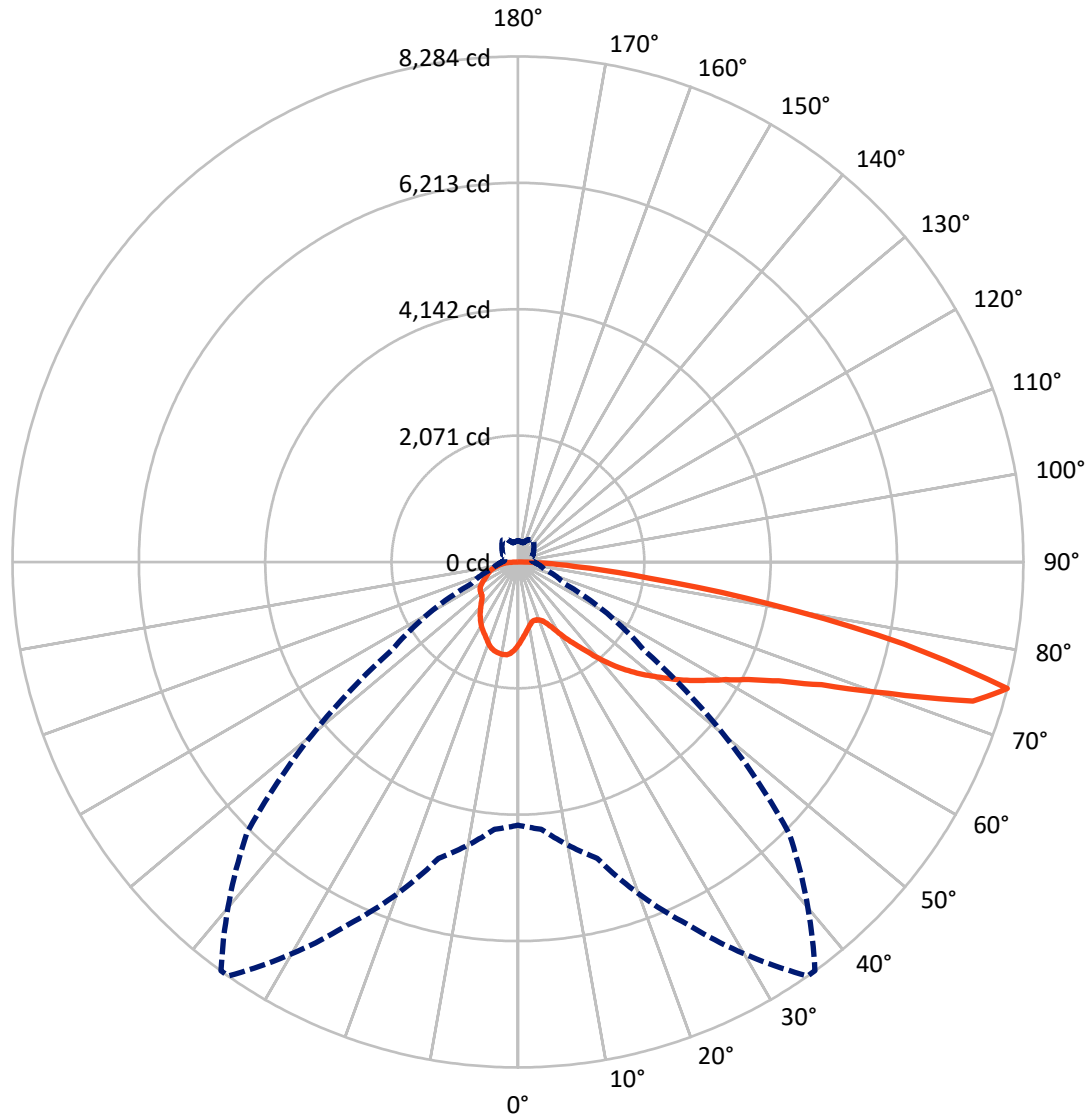
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 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   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2418.8   | 0.0    | 2418.8  |
|                    | % Fixture | 23.8     | 0.0    | 23.8    |
| <b>Street Side</b> | Lumens    | 7745.2   | 0.0    | 7745.2  |
|                    | % Fixture | 76.2     | 0.0    | 76.2    |
| <b>Total</b>       | Lumens    | 10164.0  | 0.0    | 10164.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 128.2   | 1.3       |
| 10°-20°   | 369.9   | 3.6       |
| 20°-30°   | 621.1   | 6.1       |
| 30°-40°   | 965.3   | 9.5       |
| 40°-50°   | 1432.8  | 14.1      |
| 50°-60°   | 1978.1  | 19.5      |
| 60°-70°   | 2399.9  | 23.6      |
| 70°-80°   | 1983.3  | 19.5      |
| 80°-90°   | 285.3   | 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°    | 10164.0 | 100.0     |
| 0°-180°   | 10164.0 | 100.0     |



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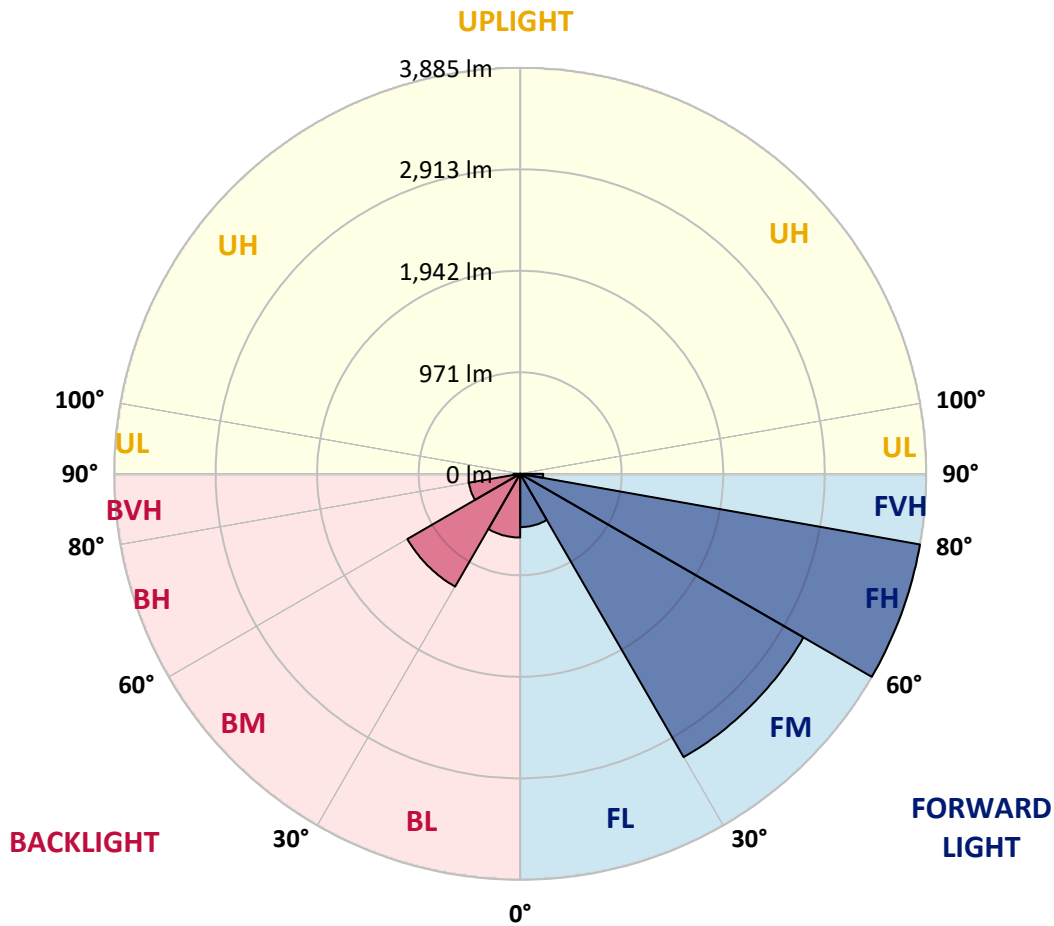
CATALOG NUMBER: GALN-SB3B-927-U-T4FT

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 509.7  | 5.0       |                         |      |         |
| FM (30°-60°)   | 3130.0 | 30.8      |                         |      |         |
| FH (60°-80°)   | 3884.5 | 38.2      |                         |      | G2/5000 |
| FVH (80°-90°)  | 221.0  | 2.2       |                         |      | G2/225  |
| BL (0°-30°)    | 609.6  | 6.0       | B2/1000                 |      |         |
| BM (30°-60°)   | 1246.3 | 12.3      | B2/2500                 |      |         |
| BH (60°-80°)   | 498.7  | 4.9       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 64.2   | 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°    | 1354.4 | 1354.4 | 1354.4 | 1354.4 | 1354.4 | 1354.4 | 1354.4 | 1354.4 | 1354.4 | 1354.4 |
| 2.5°  | 1248.9 | 1256.6 | 1259.9 | 1258.3 | 1266.5 | 1265.4 | 1276.9 | 1291.2 | 1311.0 | 1330.2 |
| 5°    | 1152.8 | 1161.0 | 1168.2 | 1174.7 | 1190.7 | 1195.6 | 1213.8 | 1241.2 | 1277.5 | 1314.3 |
| 7.5°  | 1063.2 | 1070.4 | 1081.3 | 1093.4 | 1120.4 | 1125.3 | 1155.5 | 1198.4 | 1248.9 | 1302.8 |
| 10°   | 990.1  | 997.3  | 1008.8 | 1022.5 | 1056.1 | 1062.1 | 1100.6 | 1157.7 | 1223.7 | 1291.8 |
| 12.5° | 958.8  | 961.0  | 967.6  | 981.3  | 1010.5 | 1014.3 | 1056.6 | 1122.0 | 1198.9 | 1283.5 |
| 15°   | 957.2  | 961.6  | 962.1  | 969.2  | 993.4  | 995.1  | 1034.1 | 1098.9 | 1183.5 | 1281.9 |
| 17.5° | 973.6  | 976.9  | 972.0  | 976.4  | 996.7  | 999.5  | 1030.2 | 1087.9 | 1178.6 | 1289.0 |
| 20°   | 1017.6 | 1020.3 | 1005.5 | 999.5  | 1014.3 | 1016.5 | 1046.7 | 1095.1 | 1183.5 | 1303.9 |
| 22.5° | 1111.0 | 1112.7 | 1076.4 | 1051.7 | 1052.8 | 1053.9 | 1080.2 | 1124.2 | 1202.8 | 1330.8 |
| 25°   | 1256.6 | 1255.5 | 1197.8 | 1150.0 | 1122.5 | 1116.5 | 1134.1 | 1171.5 | 1235.2 | 1366.5 |
| 27.5° | 1427.0 | 1418.7 | 1361.0 | 1289.6 | 1229.7 | 1220.9 | 1217.1 | 1233.0 | 1281.3 | 1413.8 |
| 30°   | 1619.3 | 1611.6 | 1549.5 | 1456.1 | 1373.1 | 1358.8 | 1322.6 | 1314.3 | 1350.0 | 1478.1 |
| 32.5° | 1830.3 | 1825.3 | 1751.1 | 1637.9 | 1527.0 | 1510.5 | 1449.5 | 1427.5 | 1455.5 | 1575.3 |
| 35°   | 2007.2 | 2002.8 | 1941.2 | 1824.8 | 1689.0 | 1668.7 | 1606.6 | 1581.9 | 1596.2 | 1700.0 |
| 37.5° | 2167.1 | 2164.9 | 2112.1 | 2020.4 | 1880.3 | 1855.5 | 1785.7 | 1777.5 | 1774.8 | 1864.3 |
| 40°   | 2315.4 | 2309.9 | 2255.0 | 2206.6 | 2102.8 | 2080.3 | 2018.7 | 2011.6 | 1990.7 | 2066.5 |
| 42.5° | 2479.7 | 2465.4 | 2385.8 | 2363.2 | 2335.2 | 2316.5 | 2279.7 | 2280.8 | 2234.7 | 2294.5 |
| 45°   | 2613.8 | 2605.5 | 2523.7 | 2510.5 | 2540.7 | 2533.0 | 2564.9 | 2573.1 | 2483.6 | 2533.6 |
| 47.5° | 2757.7 | 2750.1 | 2680.8 | 2671.5 | 2753.3 | 2755.5 | 2868.2 | 2870.9 | 2726.4 | 2781.9 |
| 50°   | 2935.2 | 2924.2 | 2855.5 | 2867.1 | 2958.8 | 2967.1 | 3173.1 | 3154.5 | 2950.1 | 3034.1 |
| 52.5° | 3052.3 | 3058.9 | 3044.0 | 3062.7 | 3188.0 | 3195.7 | 3473.1 | 3425.3 | 3171.5 | 3283.0 |
| 55°   | 3138.5 | 3151.7 | 3197.9 | 3240.7 | 3429.7 | 3437.4 | 3756.1 | 3683.0 | 3355.0 | 3513.8 |
| 57.5° | 3249.5 | 3230.8 | 3317.1 | 3400.6 | 3659.4 | 3679.7 | 4031.4 | 3931.4 | 3517.7 | 3712.7 |
| 60°   | 3408.9 | 3395.7 | 3462.7 | 3586.3 | 3916.6 | 3949.0 | 4322.6 | 4155.0 | 3636.9 | 3870.4 |
| 62.5° | 3731.9 | 3699.0 | 3709.4 | 3818.8 | 4240.7 | 4283.6 | 4651.2 | 4350.1 | 3696.2 | 3931.9 |
| 65°   | 4214.9 | 4158.3 | 4105.6 | 4181.4 | 4697.3 | 4739.7 | 5022.1 | 4503.4 | 3674.2 | 3812.7 |
| 67.5° | 4823.2 | 4767.1 | 4702.3 | 4773.7 | 5369.9 | 5403.4 | 5479.8 | 4589.6 | 3501.2 | 3353.4 |
| 70°   | 5324.8 | 5303.9 | 5381.4 | 5675.4 | 6444.1 | 6445.2 | 6066.6 | 4518.2 | 3027.0 | 2377.5 |
| 72.5° | 5258.3 | 5245.7 | 5654.0 | 6562.8 | 7798.0 | 7768.8 | 6622.1 | 3977.5 | 2039.1 | 1072.5 |
| 75°   | 4313.8 | 4395.7 | 5028.1 | 6546.8 | 8284.2 | 8280.4 | 6282.0 | 2528.6 | 843.4  | 444.5  |
| 77.5° | 2313.2 | 2442.9 | 3264.3 | 4833.6 | 6467.2 | 6564.4 | 4416.6 | 884.6  | 362.1  | 284.6  |
| 80°   | 754.4  | 867.6  | 1301.1 | 2461.0 | 4202.3 | 4184.1 | 1892.9 | 347.3  | 247.8  | 201.7  |
| 82.5° | 320.3  | 333.5  | 581.3  | 1162.1 | 2156.6 | 2123.1 | 602.8  | 199.5  | 174.2  | 137.9  |
| 85°   | 125.3  | 140.1  | 256.6  | 537.4  | 934.1  | 913.8  | 217.6  | 98.9   | 111.5  | 90.1   |
| 87.5° | 41.2   | 50.0   | 91.8   | 184.1  | 290.7  | 280.2  | 53.3   | 34.1   | 48.4   | 41.2   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1354.4 | 0°    | 1354.4 | 1354.4 | 1354.4 | 1354.4 | 1354.4 | 1354.4 | 1354.4 | 1354.4 | 1354.4 | 1354.4 |
| 1358.3 | 2.5°  | 1366.0 | 1374.8 | 1385.2 | 1400.6 | 1413.8 | 1424.8 | 1436.3 | 1443.4 | 1446.2 | 1454.4 |
| 1360.5 | 5°    | 1375.9 | 1395.1 | 1420.9 | 1446.2 | 1470.9 | 1485.7 | 1498.9 | 1505.5 | 1511.6 | 1516.0 |
| 1366.5 | 7.5°  | 1392.3 | 1417.1 | 1457.7 | 1490.7 | 1511.6 | 1523.7 | 1532.4 | 1530.2 | 1532.4 | 1533.5 |
| 1373.1 | 10°   | 1406.6 | 1441.2 | 1489.6 | 1520.9 | 1536.8 | 1537.4 | 1535.2 | 1527.5 | 1523.7 | 1524.2 |
| 1383.0 | 12.5° | 1423.7 | 1462.1 | 1514.3 | 1540.7 | 1545.1 | 1533.0 | 1523.7 | 1510.5 | 1505.5 | 1503.3 |
| 1397.8 | 15°   | 1446.7 | 1490.7 | 1541.2 | 1551.1 | 1540.1 | 1524.8 | 1508.8 | 1487.4 | 1476.4 | 1467.6 |
| 1423.1 | 17.5° | 1474.8 | 1523.1 | 1562.1 | 1555.0 | 1531.3 | 1506.1 | 1480.2 | 1447.8 | 1425.3 | 1416.0 |
| 1457.7 | 20°   | 1513.8 | 1557.2 | 1578.1 | 1546.7 | 1511.0 | 1472.6 | 1428.6 | 1389.0 | 1368.2 | 1358.8 |
| 1501.7 | 22.5° | 1561.0 | 1602.8 | 1593.4 | 1532.4 | 1481.9 | 1420.4 | 1365.4 | 1336.3 | 1325.8 | 1319.3 |
| 1558.3 | 25°   | 1617.6 | 1653.3 | 1604.4 | 1511.6 | 1434.1 | 1351.1 | 1308.8 | 1299.5 | 1294.5 | 1289.6 |
| 1627.5 | 27.5° | 1691.2 | 1710.5 | 1612.7 | 1480.8 | 1359.4 | 1277.5 | 1262.1 | 1263.8 | 1262.1 | 1253.9 |
| 1723.7 | 30°   | 1788.5 | 1784.6 | 1620.4 | 1430.8 | 1273.7 | 1211.0 | 1212.1 | 1219.3 | 1220.4 | 1214.9 |
| 1857.7 | 32.5° | 1916.5 | 1877.5 | 1624.2 | 1366.0 | 1191.8 | 1152.8 | 1153.9 | 1161.6 | 1167.1 | 1157.7 |
| 2033.0 | 35°   | 2071.5 | 1985.8 | 1618.2 | 1284.6 | 1128.6 | 1097.3 | 1089.0 | 1091.2 | 1092.9 | 1084.1 |
| 2245.6 | 37.5° | 2252.2 | 2107.2 | 1591.2 | 1194.5 | 1076.4 | 1042.9 | 1025.3 | 1010.5 | 1001.7 | 993.4  |
| 2486.3 | 40°   | 2450.6 | 2239.6 | 1541.8 | 1106.6 | 1018.2 | 985.2  | 958.8  | 930.8  | 901.1  | 890.1  |
| 2741.3 | 42.5° | 2658.3 | 2375.9 | 1481.9 | 1022.5 | 951.1  | 924.2  | 896.2  | 855.5  | 811.0  | 788.5  |
| 3006.1 | 45°   | 2873.7 | 2515.4 | 1423.1 | 939.6  | 882.4  | 870.9  | 838.5  | 789.6  | 741.2  | 712.7  |
| 3271.5 | 47.5° | 3084.7 | 2647.3 | 1336.8 | 856.1  | 818.1  | 830.8  | 805.5  | 760.5  | 706.6  | 661.6  |
| 3534.7 | 50°   | 3286.3 | 2770.9 | 1195.6 | 771.4  | 765.9  | 818.7  | 794.5  | 729.7  | 668.1  | 610.5  |
| 3792.9 | 52.5° | 3486.3 | 2870.9 | 1014.9 | 694.5  | 737.9  | 815.4  | 780.2  | 708.8  | 633.5  | 573.1  |
| 4035.8 | 55°   | 3656.1 | 2922.6 | 840.7  | 628.6  | 697.3  | 787.4  | 763.2  | 684.1  | 584.6  | 520.3  |
| 4202.3 | 57.5° | 3752.8 | 2880.8 | 695.6  | 563.7  | 641.2  | 741.2  | 734.1  | 631.3  | 526.4  | 476.9  |
| 4234.7 | 60°   | 3711.1 | 2711.6 | 576.9  | 507.2  | 587.9  | 691.2  | 683.5  | 579.1  | 481.9  | 435.2  |
| 4061.1 | 62.5° | 3480.8 | 2389.1 | 483.0  | 457.7  | 539.6  | 640.1  | 633.0  | 539.0  | 447.8  | 402.8  |
| 3600.1 | 65°   | 3017.1 | 1943.4 | 409.9  | 416.5  | 490.7  | 578.6  | 589.0  | 505.5  | 420.9  | 376.9  |
| 2785.2 | 67.5° | 2301.1 | 1407.7 | 352.8  | 380.8  | 442.9  | 518.1  | 548.4  | 481.3  | 398.4  | 356.6  |
| 1611.6 | 70°   | 1311.6 | 799.5  | 304.4  | 346.2  | 400.6  | 462.1  | 517.0  | 462.1  | 374.2  | 339.6  |
| 603.9  | 72.5° | 497.3  | 367.0  | 263.2  | 311.5  | 359.9  | 414.8  | 482.4  | 431.9  | 346.2  | 320.3  |
| 312.1  | 75°   | 265.4  | 223.6  | 221.4  | 270.9  | 313.2  | 368.7  | 439.0  | 402.2  | 325.3  | 338.5  |
| 215.9  | 77.5° | 180.8  | 158.2  | 185.2  | 231.9  | 262.1  | 317.6  | 392.9  | 357.1  | 281.9  | 280.8  |
| 149.5  | 80°   | 125.3  | 112.1  | 150.6  | 186.8  | 202.8  | 267.0  | 342.9  | 306.6  | 229.7  | 214.3  |
| 92.3   | 82.5° | 75.3   | 73.1   | 112.6  | 139.6  | 143.4  | 206.0  | 284.1  | 257.1  | 187.9  | 163.7  |
| 54.9   | 85°   | 41.2   | 43.4   | 72.0   | 81.9   | 83.5   | 144.0  | 222.5  | 198.9  | 144.5  | 121.4  |
| 19.8   | 87.5° | 11.5   | 14.8   | 26.4   | 32.4   | 40.1   | 74.7   | 132.4  | 118.1  | 72.5   | 50.6   |
| 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> |
|-------------|
| 1354.4      |
| 1453.9      |
| 1517.1      |
| 1535.2      |
| 1525.3      |
| 1502.2      |
| 1470.4      |
| 1416.5      |
| 1357.7      |
| 1320.4      |
| 1289.6      |
| 1255.5      |
| 1217.6      |
| 1162.1      |
| 1090.1      |
| 998.9       |
| 895.1       |
| 791.2       |
| 710.5       |
| 656.6       |
| 605.5       |
| 566.5       |
| 514.8       |
| 470.3       |
| 428.6       |
| 395.6       |
| 369.8       |
| 350.0       |
| 335.2       |
| 315.9       |
| 349.5       |
| 258.8       |
| 204.9       |
| 164.8       |
| 122.5       |
| 50.6        |
| 0.0         |

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