

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: P945132

Luminaire Tested: **GALN-SB1A-935-U-SL3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P945132  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB1A-935-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 3500K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

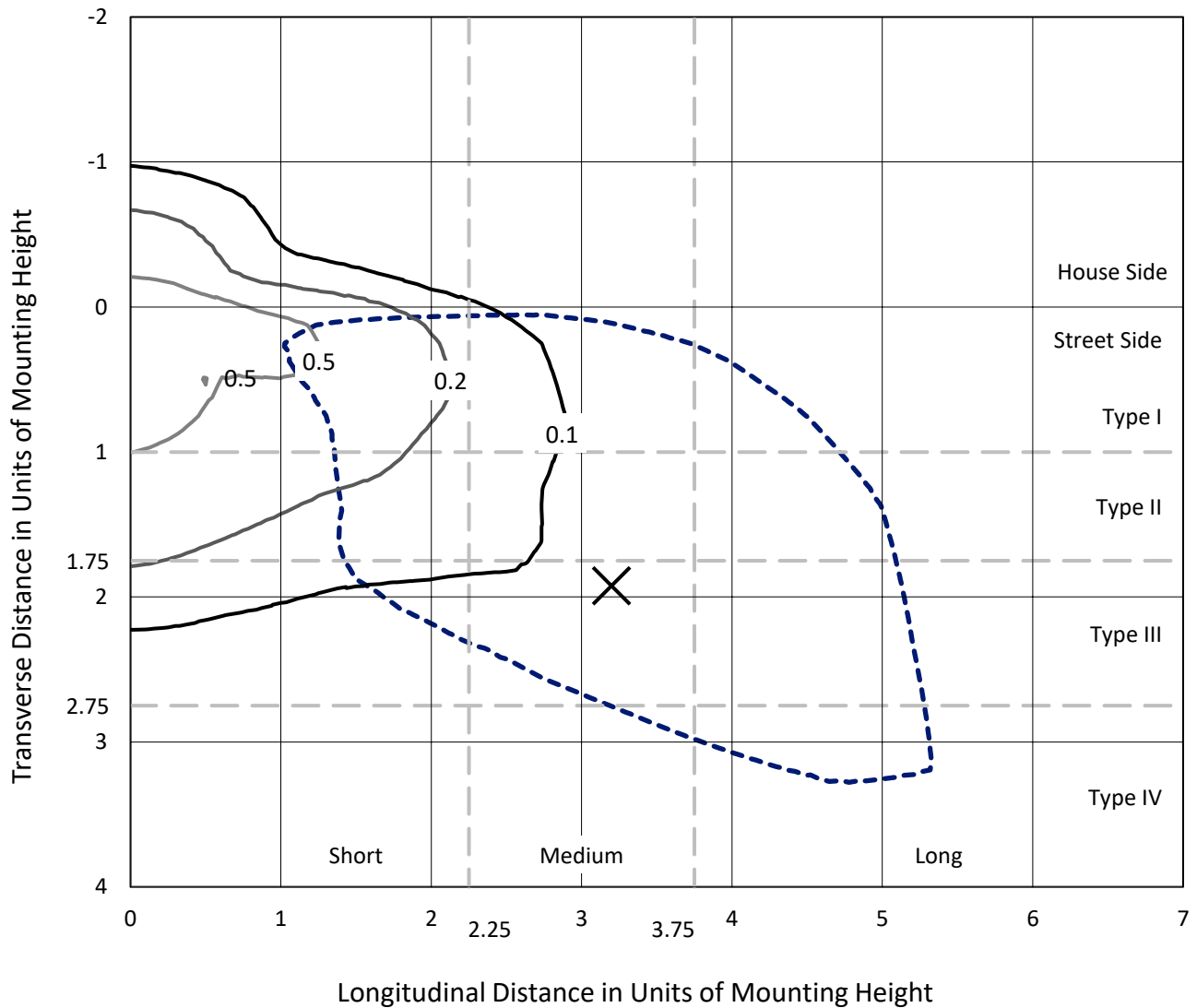
Lumens per Lamp: N/A  
Luminaire Lumens: 3051 lumens  
Efficiency: N/A  
Efficacy: 98.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

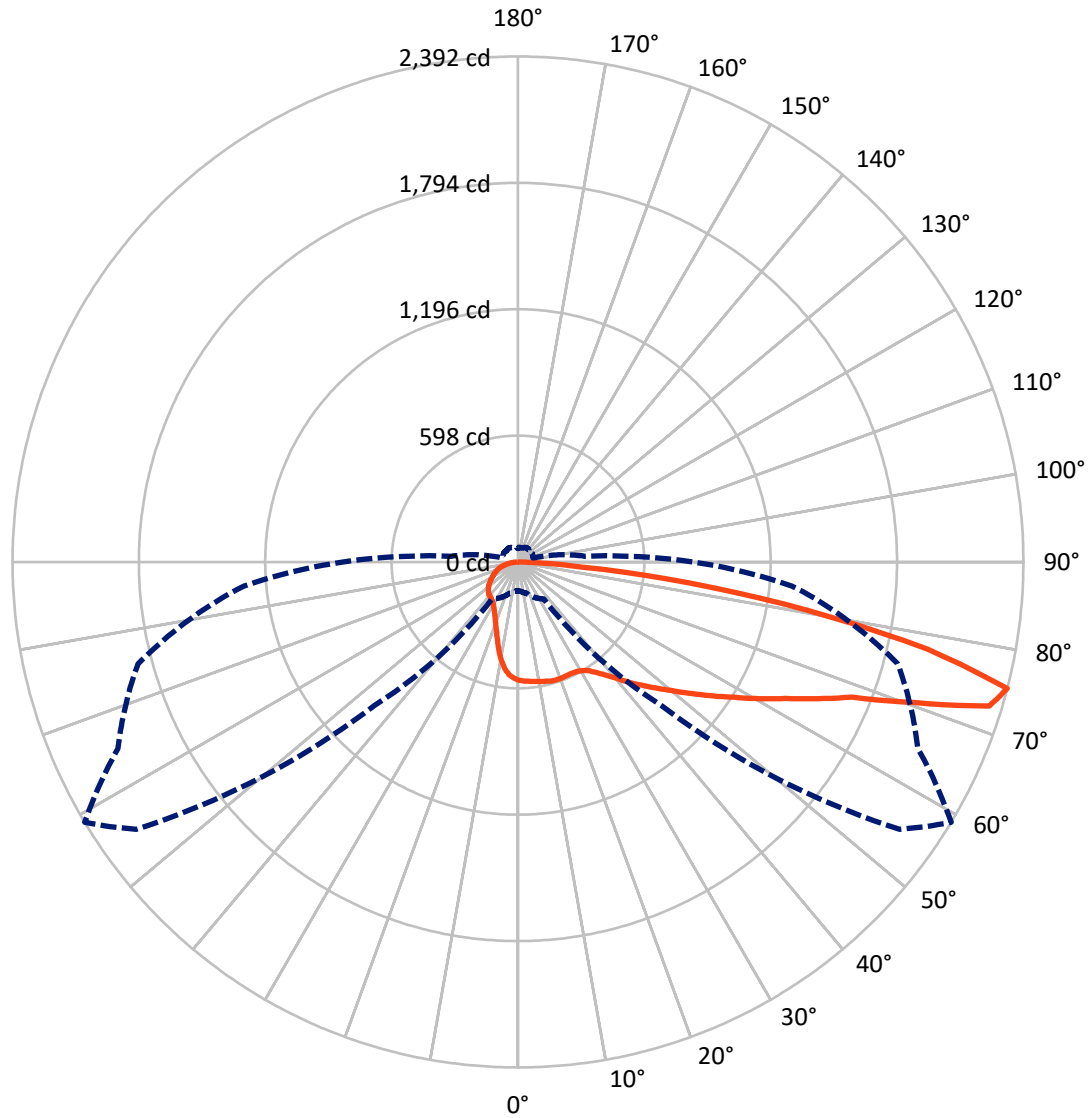
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 572.2    | 0.0    | 572.2  |
|                    | % Fixture | 18.8     | 0.0    | 18.8   |
| <b>Street Side</b> | Lumens    | 2478.8   | 0.0    | 2478.8 |
|                    | % Fixture | 81.2     | 0.0    | 81.2   |
| <b>Total</b>       | Lumens    | 3051.0   | 0.0    | 3051.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 50.2   | 1.6       |
| 10°-20°   | 128.3  | 4.2       |
| 20°-30°   | 195.0  | 6.4       |
| 30°-40°   | 289.8  | 9.5       |
| 40°-50°   | 431.0  | 14.1      |
| 50°-60°   | 585.0  | 19.2      |
| 60°-70°   | 714.2  | 23.4      |
| 70°-80°   | 560.5  | 18.4      |
| 80°-90°   | 97.1   | 3.2       |
| 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°    | 3051.0 | 100.0     |
| 0°-180°   | 3051.0 | 100.0     |

**Coefficient of Utilization**

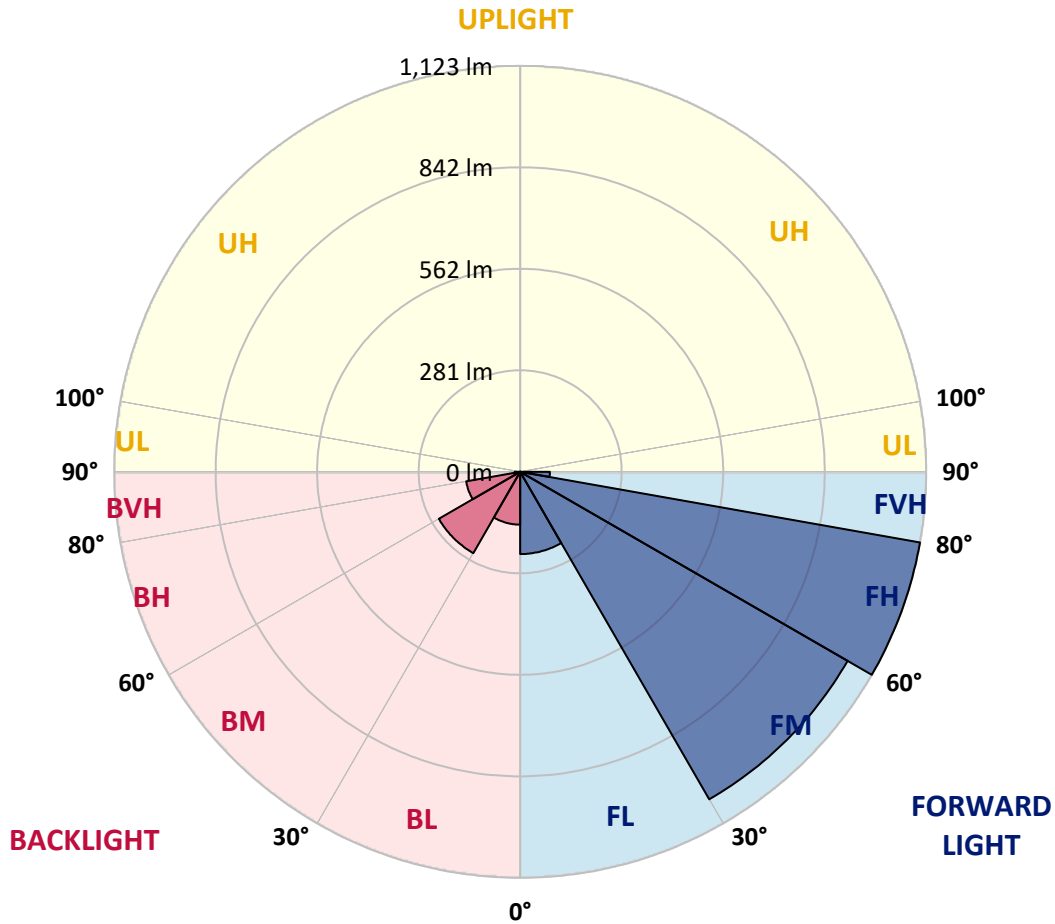


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 227.5  | 7.5       |                         |      |         |
| FM (30°-60°)   | 1046.0 | 34.3      |                         |      |         |
| FH (60°-80°)   | 1123.0 | 36.8      |                         |      | G1/1800 |
| FVH (80°-90°)  | 82.2   | 2.7       |                         |      | G1/100  |
| BL (0°-30°)    | 146.0  | 4.8       | B1/500                  |      |         |
| BM (30°-60°)   | 259.7  | 8.5       | B1/1000                 |      |         |
| BH (60°-80°)   | 151.6  | 5.0       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 14.9   | 0.5       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G1**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 59°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 560.0  | 560.0  | 560.0  | 560.0  | 560.0  | 560.0  | 560.0  | 560.0  | 560.0  | 560.0  |
| 2.5°  | 564.8  | 562.8  | 564.8  | 563.9  | 563.6  | 563.0  | 563.1  | 564.3  | 563.6  | 564.4  |
| 5°    | 561.0  | 559.8  | 561.8  | 561.3  | 563.5  | 563.8  | 565.9  | 567.2  | 568.0  | 568.2  |
| 7.5°  | 554.8  | 553.6  | 556.4  | 558.7  | 563.3  | 564.6  | 569.0  | 571.2  | 572.3  | 574.3  |
| 10°   | 531.9  | 531.4  | 538.3  | 547.0  | 557.9  | 564.6  | 571.3  | 574.9  | 576.7  | 582.0  |
| 12.5° | 491.6  | 492.2  | 501.2  | 518.0  | 539.7  | 561.3  | 574.0  | 579.2  | 582.0  | 588.6  |
| 15°   | 453.0  | 452.8  | 462.7  | 480.6  | 510.9  | 546.9  | 575.3  | 584.3  | 589.1  | 598.7  |
| 17.5° | 430.7  | 430.0  | 436.9  | 450.5  | 478.8  | 524.7  | 572.0  | 587.1  | 597.3  | 609.4  |
| 20°   | 426.6  | 425.3  | 428.9  | 435.6  | 455.6  | 500.4  | 563.5  | 587.1  | 603.8  | 619.6  |
| 22.5° | 441.5  | 439.4  | 437.9  | 437.1  | 445.9  | 480.4  | 553.8  | 585.1  | 613.5  | 634.2  |
| 25°   | 471.5  | 468.3  | 460.7  | 453.3  | 450.7  | 471.4  | 545.2  | 584.6  | 628.0  | 653.9  |
| 27.5° | 520.1  | 516.0  | 500.8  | 483.0  | 467.1  | 476.0  | 541.5  | 587.6  | 643.9  | 674.7  |
| 30°   | 580.4  | 575.9  | 556.7  | 529.5  | 500.9  | 493.0  | 546.2  | 596.3  | 664.2  | 702.5  |
| 32.5° | 634.4  | 629.4  | 613.0  | 585.3  | 546.7  | 522.6  | 561.3  | 612.9  | 696.2  | 741.0  |
| 35°   | 682.3  | 676.5  | 661.8  | 636.2  | 602.8  | 564.1  | 588.6  | 642.2  | 741.7  | 803.7  |
| 37.5° | 729.2  | 722.5  | 706.4  | 679.3  | 656.0  | 619.4  | 626.1  | 680.0  | 802.1  | 879.9  |
| 40°   | 781.7  | 772.1  | 752.5  | 725.8  | 703.1  | 684.2  | 675.6  | 726.3  | 863.5  | 964.9  |
| 42.5° | 832.6  | 823.4  | 800.1  | 777.3  | 748.9  | 743.5  | 732.8  | 780.4  | 930.6  | 1058.3 |
| 45°   | 887.4  | 876.4  | 848.2  | 819.3  | 801.4  | 782.9  | 788.3  | 834.6  | 996.4  | 1153.5 |
| 47.5° | 938.8  | 926.5  | 893.2  | 861.0  | 851.2  | 816.0  | 839.2  | 894.2  | 1064.9 | 1250.0 |
| 50°   | 966.5  | 954.4  | 926.7  | 897.6  | 889.9  | 856.9  | 894.3  | 959.7  | 1136.6 | 1346.2 |
| 52.5° | 989.7  | 976.6  | 940.3  | 924.2  | 921.9  | 901.4  | 962.3  | 1034.5 | 1208.3 | 1431.2 |
| 55°   | 1014.3 | 999.7  | 953.4  | 939.0  | 949.5  | 951.3  | 1042.9 | 1119.4 | 1284.1 | 1514.1 |
| 57.5° | 1042.7 | 1024.2 | 966.1  | 951.4  | 976.4  | 1009.7 | 1135.4 | 1207.3 | 1358.7 | 1590.9 |
| 60°   | 1069.5 | 1050.7 | 990.3  | 971.3  | 1005.4 | 1077.5 | 1241.6 | 1313.8 | 1443.0 | 1659.3 |
| 62.5° | 1074.7 | 1059.3 | 1009.7 | 1009.6 | 1044.8 | 1156.6 | 1367.3 | 1421.3 | 1516.7 | 1727.0 |
| 65°   | 983.8  | 974.1  | 944.7  | 1008.1 | 1101.3 | 1270.5 | 1507.4 | 1558.9 | 1610.4 | 1786.0 |
| 67.5° | 748.8  | 750.1  | 747.9  | 870.2  | 1055.7 | 1434.1 | 1710.0 | 1706.1 | 1726.1 | 1852.3 |
| 70°   | 342.4  | 350.1  | 400.3  | 600.7  | 845.8  | 1453.0 | 2045.2 | 1994.2 | 1871.4 | 1938.2 |
| 72.5° | 185.0  | 190.9  | 211.4  | 291.0  | 508.5  | 1291.9 | 2295.7 | 2331.9 | 2064.6 | 1996.0 |
| 75°   | 135.7  | 139.0  | 153.3  | 185.0  | 213.5  | 960.1  | 2205.9 | 2392.0 | 2088.7 | 1861.2 |
| 77.5° | 101.6  | 103.1  | 114.7  | 146.6  | 109.3  | 506.2  | 1762.6 | 1981.0 | 1788.0 | 1529.2 |
| 80°   | 73.7   | 75.3   | 84.0   | 110.0  | 76.6   | 185.1  | 1210.3 | 1390.5 | 1224.6 | 974.8  |
| 82.5° | 50.9   | 51.5   | 55.3   | 74.8   | 53.5   | 71.9   | 686.7  | 815.4  | 683.6  | 342.0  |
| 85°   | 30.7   | 31.5   | 33.2   | 43.7   | 30.4   | 34.1   | 296.4  | 306.6  | 204.3  | 81.7   |
| 87.5° | 12.6   | 13.5   | 14.8   | 18.4   | 12.0   | 9.5    | 48.9   | 61.4   | 38.2   | 24.0   |
| 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°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 560.0  | 0°    | 560.0  | 560.0 | 560.0 | 560.0 | 560.0 | 560.0 | 560.0 | 560.0 | 560.0 | 560.0 |
| 561.6  | 2.5°  | 560.8  | 559.7 | 556.6 | 552.3 | 548.4 | 543.4 | 541.3 | 539.5 | 537.8 | 534.7 |
| 566.1  | 5°    | 564.3  | 561.2 | 552.8 | 542.0 | 529.6 | 516.2 | 503.1 | 494.0 | 486.3 | 480.6 |
| 571.2  | 7.5°  | 569.5  | 563.6 | 548.4 | 526.2 | 498.0 | 469.1 | 443.0 | 424.4 | 410.5 | 405.4 |
| 578.4  | 10°   | 574.9  | 567.9 | 541.3 | 502.2 | 453.5 | 409.0 | 374.4 | 355.3 | 344.2 | 340.6 |
| 586.9  | 12.5° | 581.3  | 571.0 | 530.3 | 468.9 | 403.8 | 355.0 | 324.8 | 313.6 | 307.9 | 305.9 |
| 597.4  | 15°   | 590.7  | 573.6 | 513.7 | 427.2 | 356.3 | 315.6 | 296.1 | 288.4 | 285.4 | 285.3 |
| 608.3  | 17.5° | 597.8  | 574.1 | 488.0 | 382.6 | 319.9 | 291.8 | 275.7 | 272.8 | 274.8 | 277.7 |
| 618.9  | 20°   | 605.6  | 569.7 | 454.1 | 341.9 | 294.3 | 271.0 | 264.2 | 266.2 | 271.0 | 275.2 |
| 633.0  | 22.5° | 611.2  | 561.6 | 413.3 | 310.2 | 272.1 | 259.0 | 258.7 | 262.8 | 265.4 | 267.5 |
| 649.6  | 25°   | 616.1  | 548.0 | 369.9 | 283.6 | 253.9 | 251.8 | 255.4 | 254.1 | 252.3 | 254.1 |
| 666.2  | 27.5° | 619.7  | 526.5 | 331.2 | 260.3 | 241.1 | 246.8 | 244.7 | 241.8 | 241.6 | 242.6 |
| 685.7  | 30°   | 618.6  | 497.8 | 299.4 | 238.1 | 232.1 | 237.7 | 232.6 | 232.1 | 231.6 | 232.1 |
| 715.1  | 32.5° | 618.6  | 465.1 | 274.9 | 222.9 | 226.3 | 224.2 | 223.7 | 222.6 | 220.6 | 220.4 |
| 755.0  | 35°   | 622.0  | 432.5 | 253.9 | 214.7 | 221.6 | 216.5 | 216.8 | 214.0 | 209.9 | 207.9 |
| 807.8  | 37.5° | 629.1  | 406.2 | 233.1 | 210.7 | 213.2 | 213.0 | 211.7 | 207.0 | 199.7 | 193.5 |
| 873.8  | 40°   | 646.2  | 398.5 | 218.8 | 208.9 | 209.3 | 211.2 | 207.8 | 198.6 | 182.2 | 172.0 |
| 940.8  | 42.5° | 672.9  | 411.5 | 215.7 | 204.5 | 206.6 | 208.6 | 201.9 | 180.5 | 168.9 | 162.8 |
| 1011.0 | 45°   | 706.9  | 434.1 | 222.4 | 198.1 | 200.4 | 203.8 | 183.8 | 173.6 | 168.4 | 168.6 |
| 1080.6 | 47.5° | 749.9  | 457.9 | 234.9 | 192.5 | 191.4 | 193.3 | 171.8 | 165.6 | 158.4 | 160.2 |
| 1147.4 | 50°   | 799.6  | 482.0 | 246.7 | 185.0 | 181.4 | 175.0 | 164.1 | 158.2 | 149.0 | 144.8 |
| 1211.9 | 52.5° | 853.5  | 505.3 | 251.4 | 175.8 | 170.5 | 163.1 | 158.9 | 151.7 | 140.5 | 133.4 |
| 1272.8 | 55°   | 904.5  | 526.5 | 246.2 | 164.8 | 159.7 | 154.0 | 153.3 | 148.9 | 136.9 | 127.0 |
| 1327.0 | 57.5° | 952.8  | 544.2 | 233.1 | 153.6 | 148.7 | 145.3 | 149.7 | 147.6 | 132.5 | 119.8 |
| 1378.2 | 60°   | 993.6  | 556.4 | 214.0 | 142.3 | 138.9 | 137.0 | 143.8 | 143.1 | 126.2 | 112.1 |
| 1424.1 | 62.5° | 1026.1 | 561.2 | 193.0 | 131.5 | 130.6 | 127.4 | 135.6 | 135.6 | 118.3 | 104.5 |
| 1464.5 | 65°   | 1051.6 | 556.6 | 171.7 | 120.8 | 122.4 | 117.5 | 125.6 | 124.6 | 110.0 | 97.8  |
| 1511.0 | 67.5° | 1074.1 | 541.5 | 148.0 | 110.3 | 114.1 | 107.8 | 115.1 | 112.8 | 100.8 | 91.1  |
| 1551.2 | 70°   | 1084.1 | 506.3 | 121.1 | 99.8  | 104.4 | 98.3  | 104.5 | 100.3 | 90.4  | 83.9  |
| 1507.0 | 72.5° | 1003.6 | 420.8 | 95.4  | 88.8  | 92.7  | 87.8  | 93.2  | 88.3  | 79.3  | 76.3  |
| 1301.4 | 75°   | 830.3  | 315.8 | 73.4  | 76.8  | 79.8  | 76.0  | 79.6  | 76.0  | 67.8  | 69.9  |
| 961.3  | 77.5° | 603.0  | 213.2 | 56.1  | 64.2  | 65.5  | 63.5  | 66.6  | 62.5  | 55.1  | 54.7  |
| 479.1  | 80°   | 299.9  | 124.9 | 44.0  | 50.7  | 50.2  | 48.9  | 52.5  | 50.6  | 44.3  | 46.9  |
| 129.3  | 82.5° | 86.8   | 53.5  | 32.0  | 35.6  | 34.6  | 35.0  | 37.6  | 38.6  | 57.8  | 57.3  |
| 40.2   | 85°   | 27.2   | 21.0  | 19.2  | 19.9  | 18.9  | 19.4  | 22.2  | 44.0  | 40.7  | 23.8  |
| 12.5   | 87.5° | 7.1    | 7.2   | 4.8   | 5.1   | 5.3   | 6.2   | 7.1   | 26.8  | 12.8  | 8.4   |
| 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> |
|-------------|
| 560.0       |
| 533.3       |
| 475.8       |
| 396.5       |
| 335.0       |
| 306.4       |
| 285.9       |
| 278.9       |
| 276.7       |
| 268.7       |
| 255.2       |
| 244.2       |
| 233.9       |
| 222.6       |
| 209.9       |
| 195.6       |
| 173.3       |
| 162.8       |
| 169.4       |
| 164.8       |
| 145.9       |
| 133.3       |
| 127.0       |
| 119.2       |
| 111.6       |
| 104.1       |
| 97.2        |
| 90.4        |
| 82.6        |
| 73.9        |
| 63.8        |
| 52.2        |
| 46.4        |
| 58.6        |
| 25.8        |
| 8.9         |
| 0.0         |

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