

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: P852073

Luminaire Tested: **GLAN-SB1A-927-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852073  
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-SB1A-927-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD  
THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2856 lumens  
Efficiency: N/A  
Efficacy: 92.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G1

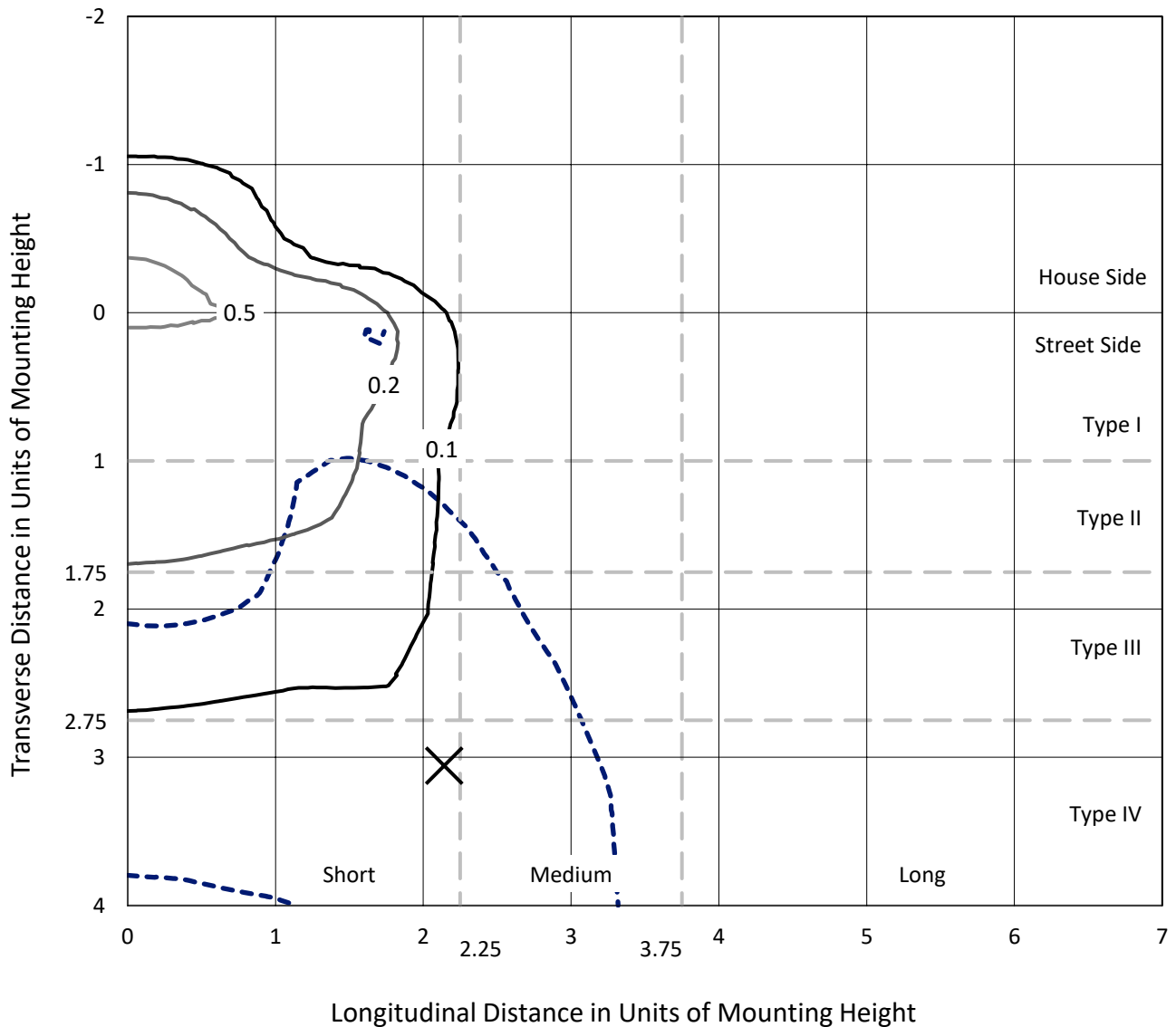
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

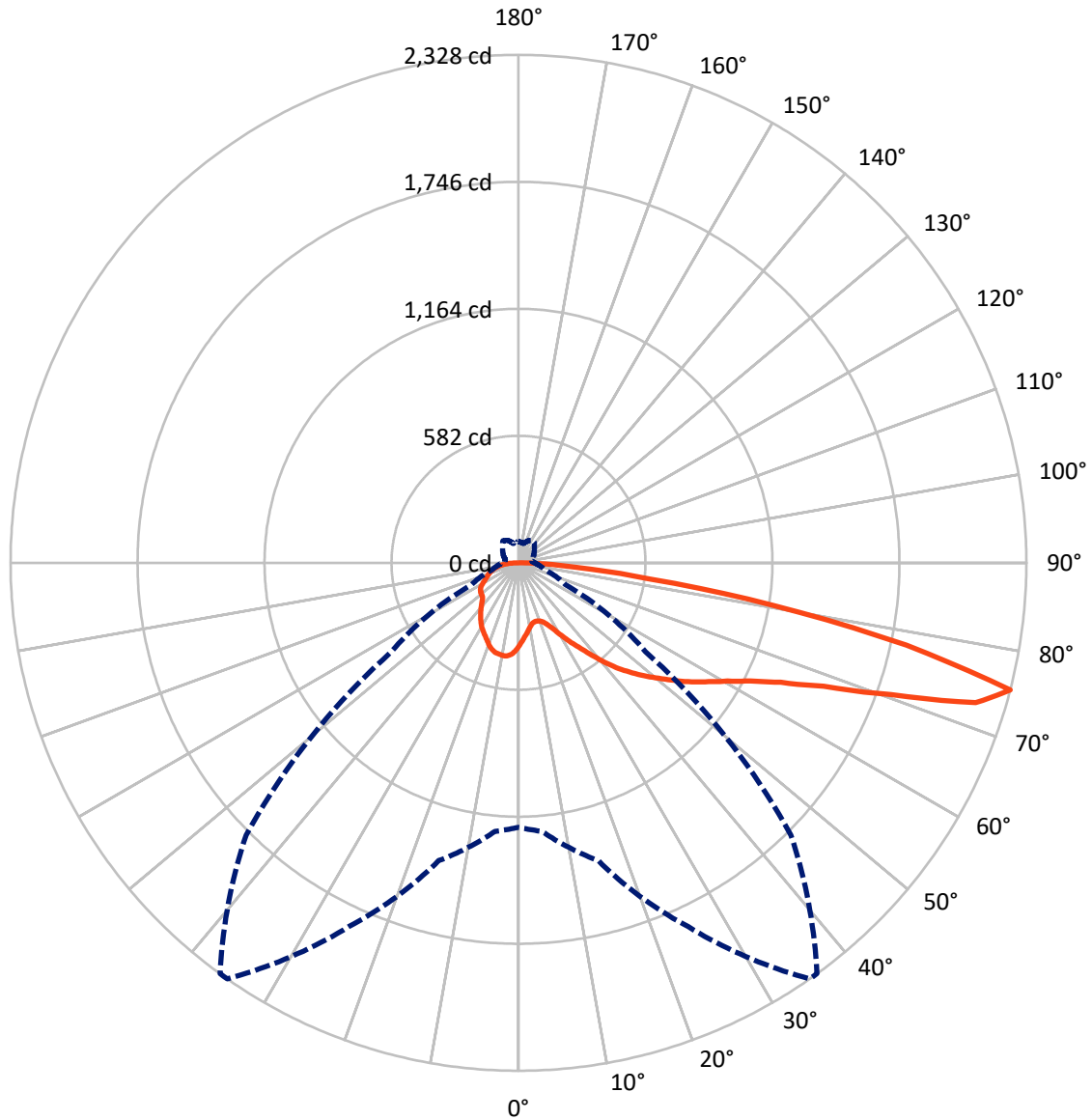
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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    | 679.7    | 0.0    | 679.7  |
|                    | % Fixture | 23.8     | 0.0    | 23.8   |
| <b>Street Side</b> | Lumens    | 2176.3   | 0.0    | 2176.3 |
|                    | % Fixture | 76.2     | 0.0    | 76.2   |
| <b>Total</b>       | Lumens    | 2856.0   | 0.0    | 2856.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 36.0   | 1.3       |
| 10°-20°   | 103.9  | 3.6       |
| 20°-30°   | 174.5  | 6.1       |
| 30°-40°   | 271.3  | 9.5       |
| 40°-50°   | 402.6  | 14.1      |
| 50°-60°   | 555.8  | 19.5      |
| 60°-70°   | 674.3  | 23.6      |
| 70°-80°   | 557.3  | 19.5      |
| 80°-90°   | 80.2   | 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°    | 2856.0 | 100.0     |
| 0°-180°   | 2856.0 | 100.0     |

**Coefficient of Utilization**



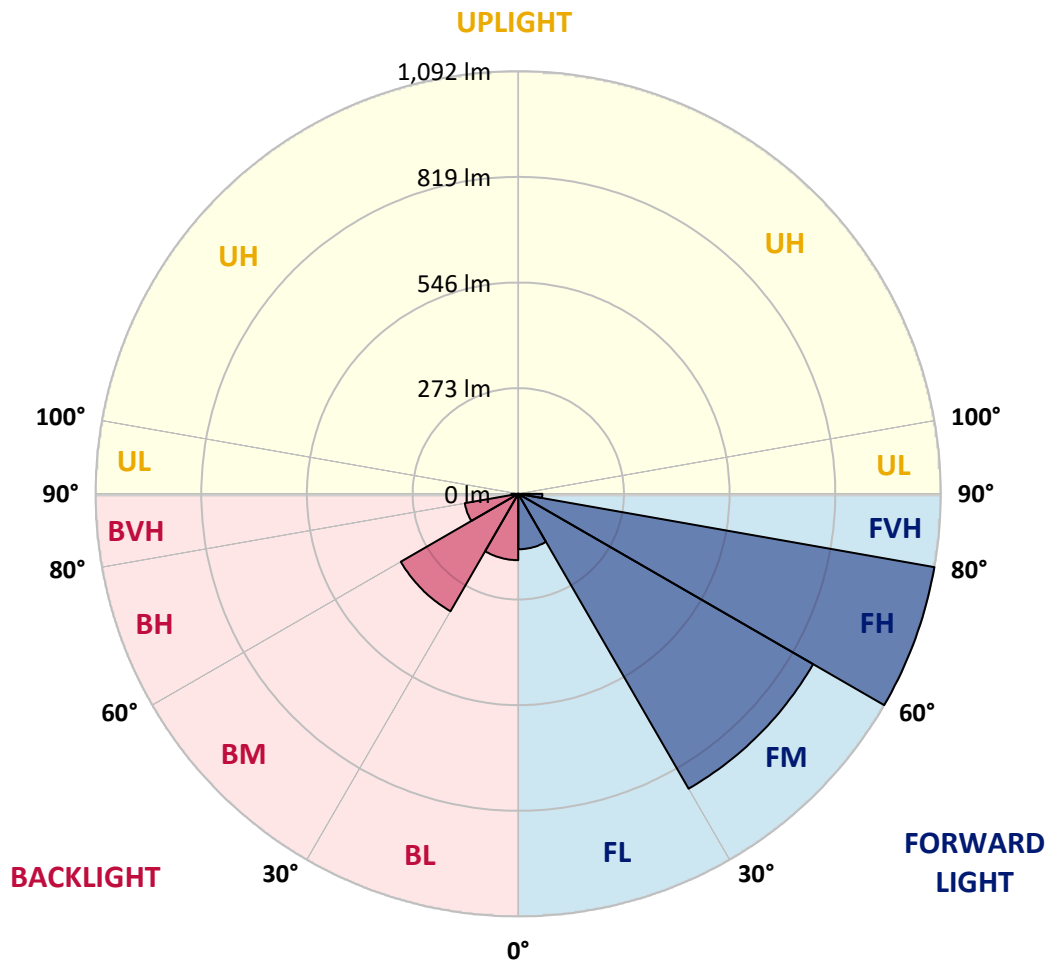
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 143.2  | 5.0       |                         |      |         |
| FM (30°-60°)   | 879.5  | 30.8      |                         |      |         |
| FH (60°-80°)   | 1091.5 | 38.2      |                         |      | G1/1800 |
| FVH (80°-90°)  | 62.1   | 2.2       |                         |      | G1/100  |
| BL (0°-30°)    | 171.3  | 6.0       | B1/500                  |      |         |
| BM (30°-60°)   | 350.2  | 12.3      | B1/1000                 |      |         |
| BH (60°-80°)   | 140.1  | 4.9       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 18.1   | 0.6       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G1**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 36°    | 45°    | 55°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 380.6  | 380.6  | 380.6  | 380.6  | 380.6  | 380.6  | 380.6  | 380.6  | 380.6  | 380.6  |
| 2.5°  | 350.9  | 353.1  | 354.0  | 353.6  | 355.9  | 355.6  | 358.8  | 362.8  | 368.4  | 373.8  |
| 5°    | 323.9  | 326.2  | 328.2  | 330.1  | 334.6  | 336.0  | 341.1  | 348.8  | 359.0  | 369.3  |
| 7.5°  | 298.8  | 300.8  | 303.8  | 307.2  | 314.8  | 316.2  | 324.7  | 336.7  | 350.9  | 366.1  |
| 10°   | 278.2  | 280.2  | 283.5  | 287.3  | 296.7  | 298.4  | 309.3  | 325.3  | 343.8  | 363.0  |
| 12.5° | 269.4  | 270.0  | 271.9  | 275.7  | 283.9  | 285.0  | 296.9  | 315.3  | 336.9  | 360.7  |
| 15°   | 269.0  | 270.2  | 270.3  | 272.4  | 279.1  | 279.6  | 290.6  | 308.8  | 332.6  | 360.2  |
| 17.5° | 273.6  | 274.5  | 273.1  | 274.4  | 280.1  | 280.8  | 289.5  | 305.7  | 331.2  | 362.2  |
| 20°   | 285.9  | 286.7  | 282.5  | 280.8  | 285.0  | 285.6  | 294.1  | 307.7  | 332.6  | 366.4  |
| 22.5° | 312.2  | 312.6  | 302.5  | 295.5  | 295.8  | 296.1  | 303.5  | 315.9  | 338.0  | 373.9  |
| 25°   | 353.1  | 352.8  | 336.6  | 323.1  | 315.4  | 313.7  | 318.7  | 329.2  | 347.1  | 384.0  |
| 27.5° | 401.0  | 398.6  | 382.4  | 362.4  | 345.5  | 343.1  | 342.0  | 346.5  | 360.0  | 397.3  |
| 30°   | 455.0  | 452.8  | 435.4  | 409.1  | 385.8  | 381.8  | 371.6  | 369.3  | 379.3  | 415.3  |
| 32.5° | 514.3  | 512.9  | 492.1  | 460.2  | 429.1  | 424.4  | 407.3  | 401.1  | 409.0  | 442.6  |
| 35°   | 564.0  | 562.8  | 545.5  | 512.7  | 474.6  | 468.9  | 451.4  | 444.5  | 448.5  | 477.7  |
| 37.5° | 608.9  | 608.3  | 593.5  | 567.7  | 528.3  | 521.4  | 501.8  | 499.5  | 498.7  | 523.9  |
| 40°   | 650.6  | 649.1  | 633.6  | 620.0  | 590.9  | 584.5  | 567.2  | 565.2  | 559.4  | 580.7  |
| 42.5° | 696.8  | 692.8  | 670.4  | 664.0  | 656.2  | 650.9  | 640.6  | 640.9  | 627.9  | 644.7  |
| 45°   | 734.5  | 732.1  | 709.1  | 705.4  | 713.9  | 711.8  | 720.7  | 723.0  | 697.9  | 711.9  |
| 47.5° | 774.9  | 772.7  | 753.3  | 750.7  | 773.7  | 774.3  | 805.9  | 806.7  | 766.1  | 781.7  |
| 50°   | 824.8  | 821.7  | 802.4  | 805.6  | 831.4  | 833.7  | 891.6  | 886.4  | 828.9  | 852.6  |
| 52.5° | 857.7  | 859.5  | 855.3  | 860.6  | 895.8  | 898.0  | 975.9  | 962.5  | 891.2  | 922.5  |
| 55°   | 881.9  | 885.6  | 898.6  | 910.6  | 963.7  | 965.9  | 1055.4 | 1034.9 | 942.7  | 987.3  |
| 57.5° | 913.1  | 907.8  | 932.1  | 955.5  | 1028.3 | 1034.0 | 1132.8 | 1104.7 | 988.4  | 1043.2 |
| 60°   | 957.9  | 954.2  | 973.0  | 1007.7 | 1100.5 | 1109.6 | 1214.6 | 1167.5 | 1021.9 | 1087.6 |
| 62.5° | 1048.6 | 1039.4 | 1042.3 | 1073.0 | 1191.6 | 1203.7 | 1306.9 | 1222.3 | 1038.6 | 1104.8 |
| 65°   | 1184.4 | 1168.5 | 1153.6 | 1174.9 | 1319.9 | 1331.8 | 1411.2 | 1265.4 | 1032.4 | 1071.3 |
| 67.5° | 1355.3 | 1339.5 | 1321.3 | 1341.4 | 1508.9 | 1518.3 | 1539.8 | 1289.7 | 983.8  | 942.3  |
| 70°   | 1496.2 | 1490.4 | 1512.1 | 1594.7 | 1810.7 | 1811.0 | 1704.7 | 1269.6 | 850.6  | 668.1  |
| 72.5° | 1477.6 | 1474.0 | 1588.7 | 1844.1 | 2191.2 | 2183.0 | 1860.8 | 1117.7 | 573.0  | 301.4  |
| 75°   | 1212.1 | 1235.2 | 1412.9 | 1839.6 | 2327.8 | 2326.7 | 1765.2 | 710.5  | 237.0  | 124.9  |
| 77.5° | 650.0  | 686.4  | 917.3  | 1358.2 | 1817.2 | 1844.5 | 1241.0 | 248.6  | 101.7  | 80.0   |
| 80°   | 212.0  | 243.8  | 365.6  | 691.5  | 1180.8 | 1175.7 | 531.9  | 97.6   | 69.6   | 56.7   |
| 82.5° | 90.0   | 93.7   | 163.3  | 326.5  | 606.0  | 596.6  | 169.4  | 56.0   | 48.9   | 38.8   |
| 85°   | 35.2   | 39.4   | 72.1   | 151.0  | 262.5  | 256.8  | 61.1   | 27.8   | 31.3   | 25.3   |
| 87.5° | 11.6   | 14.0   | 25.8   | 51.7   | 81.7   | 78.7   | 15.0   | 9.6    | 13.6   | 11.6   |
| 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°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 380.6  | 0°    | 380.6  | 380.6 | 380.6 | 380.6 | 380.6 | 380.6 | 380.6 | 380.6 | 380.6 | 380.6 |
| 381.7  | 2.5°  | 383.8  | 386.3 | 389.2 | 393.6 | 397.3 | 400.3 | 403.6 | 405.6 | 406.4 | 408.7 |
| 382.3  | 5°    | 386.6  | 392.0 | 399.3 | 406.4 | 413.3 | 417.5 | 421.2 | 423.0 | 424.7 | 426.0 |
| 384.0  | 7.5°  | 391.2  | 398.2 | 409.6 | 418.9 | 424.7 | 428.1 | 430.6 | 430.0 | 430.6 | 430.9 |
| 385.8  | 10°   | 395.2  | 405.0 | 418.6 | 427.4 | 431.8 | 432.0 | 431.4 | 429.2 | 428.1 | 428.3 |
| 388.6  | 12.5° | 400.0  | 410.8 | 425.5 | 432.9 | 434.2 | 430.8 | 428.1 | 424.4 | 423.0 | 422.4 |
| 392.8  | 15°   | 406.5  | 418.9 | 433.1 | 435.9 | 432.8 | 428.4 | 424.0 | 417.9 | 414.9 | 412.4 |
| 399.9  | 17.5° | 414.4  | 428.0 | 438.9 | 436.9 | 430.3 | 423.2 | 415.9 | 406.8 | 400.5 | 397.9 |
| 409.6  | 20°   | 425.4  | 437.6 | 443.4 | 434.6 | 424.6 | 413.8 | 401.4 | 390.3 | 384.4 | 381.8 |
| 422.0  | 22.5° | 438.6  | 450.4 | 447.7 | 430.6 | 416.4 | 399.1 | 383.7 | 375.5 | 372.6 | 370.7 |
| 437.9  | 25°   | 454.5  | 464.6 | 450.8 | 424.7 | 403.0 | 379.7 | 367.8 | 365.1 | 363.8 | 362.4 |
| 457.3  | 27.5° | 475.2  | 480.6 | 453.1 | 416.1 | 382.0 | 359.0 | 354.6 | 355.1 | 354.6 | 352.3 |
| 484.3  | 30°   | 502.6  | 501.5 | 455.3 | 402.0 | 357.9 | 340.3 | 340.6 | 342.6 | 342.9 | 341.4 |
| 522.0  | 32.5° | 538.5  | 527.6 | 456.4 | 383.8 | 334.9 | 323.9 | 324.2 | 326.4 | 327.9 | 325.3 |
| 571.3  | 35°   | 582.1  | 558.0 | 454.7 | 361.0 | 317.1 | 308.3 | 306.0 | 306.6 | 307.1 | 304.6 |
| 631.0  | 37.5° | 632.9  | 592.1 | 447.1 | 335.7 | 302.5 | 293.0 | 288.1 | 283.9 | 281.5 | 279.1 |
| 698.6  | 40°   | 688.6  | 629.3 | 433.2 | 310.9 | 286.1 | 276.8 | 269.4 | 261.5 | 253.2 | 250.1 |
| 770.3  | 42.5° | 747.0  | 667.6 | 416.4 | 287.3 | 267.3 | 259.7 | 251.8 | 240.4 | 227.9 | 221.6 |
| 844.7  | 45°   | 807.5  | 706.8 | 399.9 | 264.0 | 248.0 | 244.7 | 235.6 | 221.9 | 208.3 | 200.2 |
| 919.3  | 47.5° | 866.8  | 743.9 | 375.6 | 240.5 | 229.9 | 233.4 | 226.3 | 213.7 | 198.6 | 185.9 |
| 993.2  | 50°   | 923.4  | 778.6 | 336.0 | 216.8 | 215.2 | 230.0 | 223.3 | 205.0 | 187.7 | 171.5 |
| 1065.8 | 52.5° | 979.6  | 806.7 | 285.2 | 195.2 | 207.4 | 229.1 | 219.2 | 199.2 | 178.0 | 161.0 |
| 1134.0 | 55°   | 1027.3 | 821.2 | 236.2 | 176.6 | 195.9 | 221.2 | 214.5 | 192.2 | 164.3 | 146.2 |
| 1180.8 | 57.5° | 1054.5 | 809.5 | 195.5 | 158.4 | 180.2 | 208.3 | 206.3 | 177.4 | 147.9 | 134.0 |
| 1189.9 | 60°   | 1042.8 | 761.9 | 162.1 | 142.5 | 165.2 | 194.2 | 192.1 | 162.7 | 135.4 | 122.3 |
| 1141.1 | 62.5° | 978.1  | 671.3 | 135.7 | 128.6 | 151.6 | 179.9 | 177.9 | 151.5 | 125.8 | 113.2 |
| 1011.6 | 65°   | 847.8  | 546.1 | 115.2 | 117.0 | 137.9 | 162.6 | 165.5 | 142.0 | 118.3 | 105.9 |
| 782.6  | 67.5° | 646.6  | 395.6 | 99.1  | 107.0 | 124.4 | 145.6 | 154.1 | 135.2 | 111.9 | 100.2 |
| 452.8  | 70°   | 368.5  | 224.6 | 85.5  | 97.3  | 112.6 | 129.8 | 145.3 | 129.8 | 105.1 | 95.4  |
| 169.7  | 72.5° | 139.7  | 103.1 | 74.0  | 87.5  | 101.1 | 116.6 | 135.6 | 121.4 | 97.3  | 90.0  |
| 87.7   | 75°   | 74.6   | 62.8  | 62.2  | 76.1  | 88.0  | 103.6 | 123.4 | 113.0 | 91.4  | 95.1  |
| 60.7   | 77.5° | 50.8   | 44.5  | 52.0  | 65.2  | 73.6  | 89.2  | 110.4 | 100.4 | 79.2  | 78.9  |
| 42.0   | 80°   | 35.2   | 31.5  | 42.3  | 52.5  | 57.0  | 75.0  | 96.3  | 86.2  | 64.5  | 60.2  |
| 25.9   | 82.5° | 21.2   | 20.5  | 31.7  | 39.2  | 40.3  | 57.9  | 79.8  | 72.3  | 52.8  | 46.0  |
| 15.4   | 85°   | 11.6   | 12.2  | 20.2  | 23.0  | 23.5  | 40.5  | 62.5  | 55.9  | 40.6  | 34.1  |
| 5.6    | 87.5° | 3.2    | 4.2   | 7.4   | 9.1   | 11.3  | 21.0  | 37.2  | 33.2  | 20.4  | 14.2  |
| 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°  |
|-------|
| 380.6 |
| 408.5 |
| 426.3 |
| 431.4 |
| 428.6 |
| 422.1 |
| 413.2 |
| 398.0 |
| 381.5 |
| 371.0 |
| 362.4 |
| 352.8 |
| 342.1 |
| 326.5 |
| 306.3 |
| 280.7 |
| 251.5 |
| 222.3 |
| 199.6 |
| 184.5 |
| 170.1 |
| 159.2 |
| 144.7 |
| 132.2 |
| 120.4 |
| 111.2 |
| 103.9 |
| 98.3  |
| 94.2  |
| 88.8  |
| 98.2  |
| 72.7  |
| 57.6  |
| 46.3  |
| 34.4  |
| 14.2  |
| 0.0   |

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