

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: P846127

Luminaire Tested: **GLAN-SB1C-835-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846127
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1C-835-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3500K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4865 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

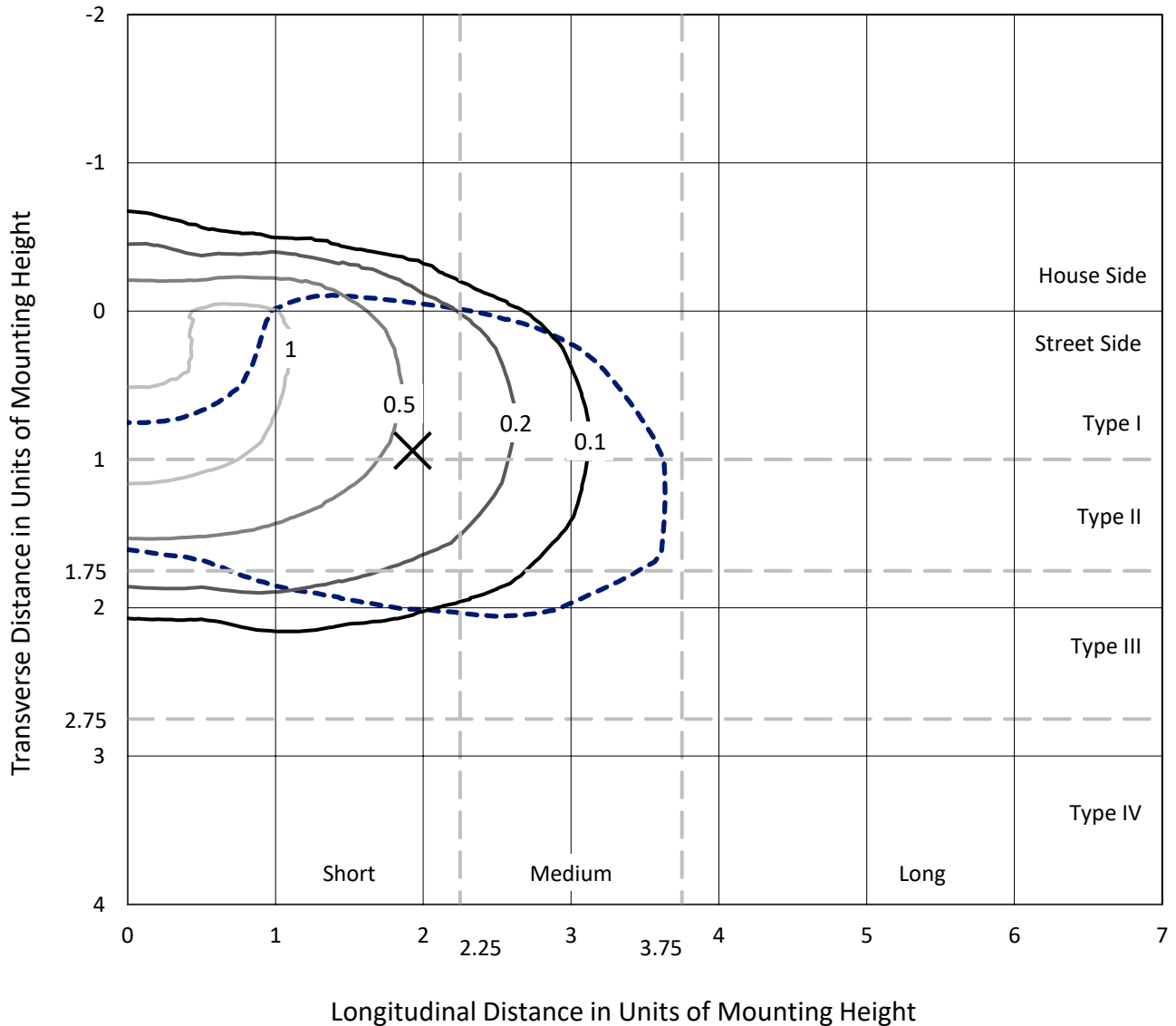
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

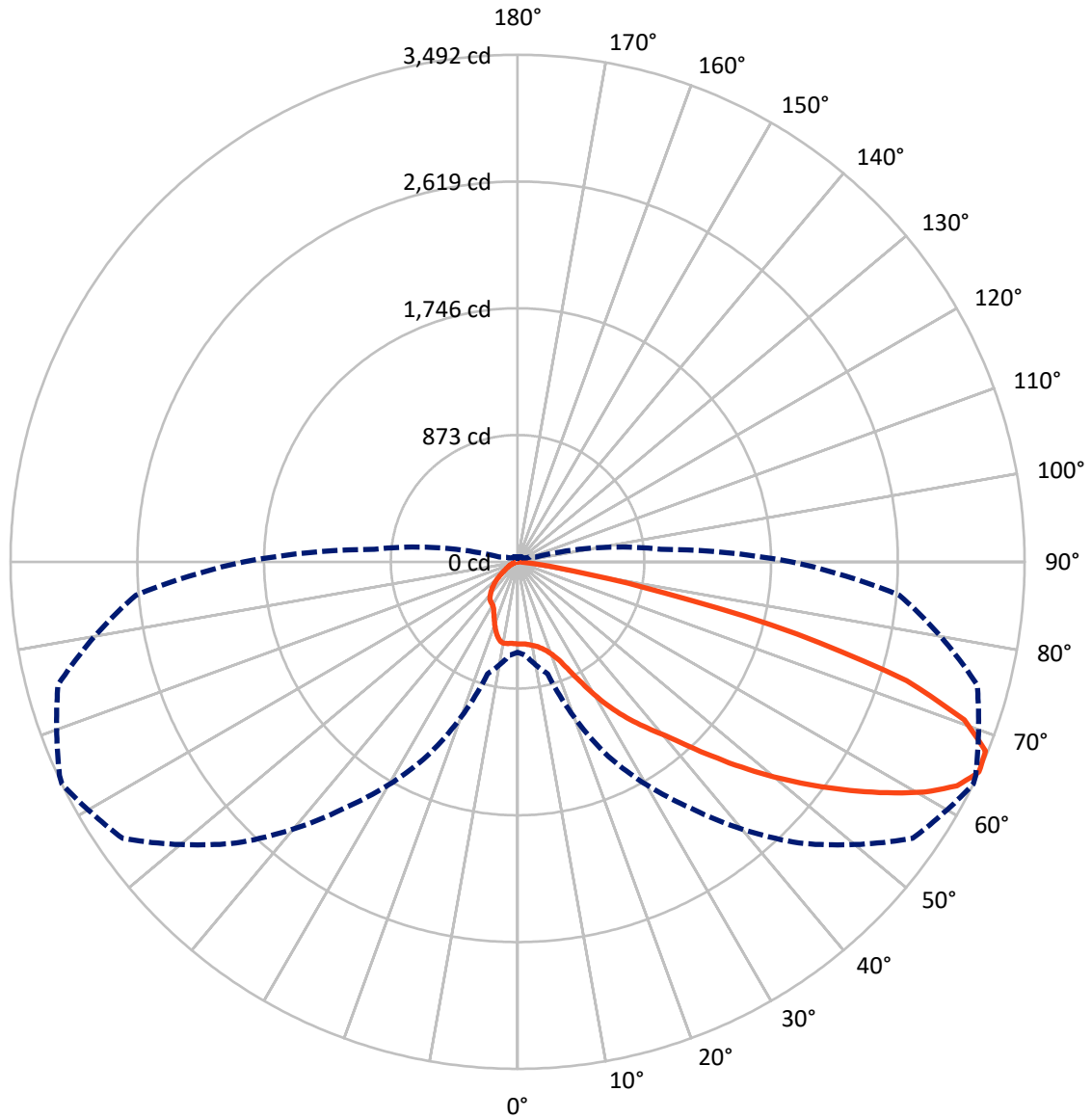
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 650.6 | 0.0 | 650.6 |
| | % Fixture | 13.4 | 0.0 | 13.4 |
| Street Side | Lumens | 4214.4 | 0.0 | 4214.4 |
| | % Fixture | 86.6 | 0.0 | 86.6 |
| Total | Lumens | 4865.0 | 0.0 | 4865.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 52.2 | 1.1 |
| 10°-20° | 141.6 | 2.9 |
| 20°-30° | 268.3 | 5.5 |
| 30°-40° | 542.9 | 11.2 |
| 40°-50° | 924.9 | 19.0 |
| 50°-60° | 1257.8 | 25.9 |
| 60°-70° | 1181.1 | 24.3 |
| 70°-80° | 473.2 | 9.7 |
| 80°-90° | 22.9 | 0.5 |
| 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° | 4865.0 | 100.0 |
| 0°-180° | 4865.0 | 100.0 |

Coefficient of Utilization



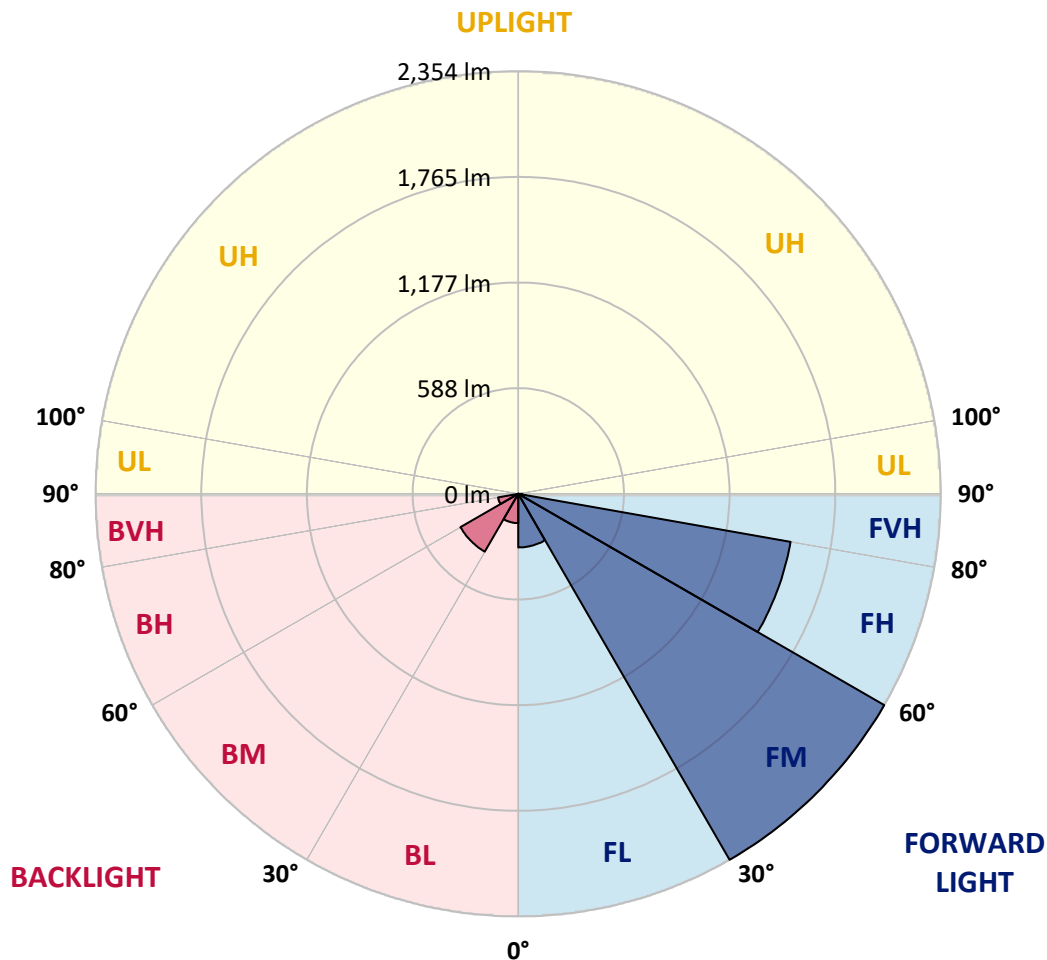
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 298.8 | 6.1 | | | |
| FM (30°-60°) | 2353.7 | 48.4 | | | |
| FH (60°-80°) | 1540.1 | 31.7 | | | G1/1800 |
| FVH (80°-90°) | 21.8 | 0.4 | | | G1/100 |
| BL (0°-30°) | 163.3 | 3.4 | B1/500 | | |
| BM (30°-60°) | 371.9 | 7.6 | B1/1000 | | |
| BH (60°-80°) | 114.2 | 2.3 | B1/500 | | G1/500 |
| BVH (80°-90°) | 1.1 | 0.0 | | | 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 III Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 64° | 65° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 565.9 | 565.9 | 565.9 | 565.9 | 565.9 | 565.9 | 565.9 | 565.9 | 565.9 | 565.9 |
| 2.5° | 563.9 | 567.8 | 566.8 | 565.9 | 565.5 | 566.2 | 566.5 | 566.2 | 566.2 | 566.2 |
| 5° | 553.1 | 556.4 | 556.4 | 558.7 | 561.9 | 565.9 | 568.8 | 569.4 | 570.1 | 571.1 |
| 7.5° | 532.6 | 535.2 | 537.1 | 544.7 | 552.8 | 563.2 | 572.0 | 576.6 | 577.3 | 580.9 |
| 10° | 518.6 | 521.8 | 525.1 | 532.9 | 544.7 | 560.3 | 575.3 | 586.4 | 588.0 | 596.5 |
| 12.5° | 517.9 | 521.2 | 525.4 | 533.9 | 547.6 | 564.2 | 582.5 | 598.5 | 601.4 | 613.8 |
| 15° | 524.8 | 528.7 | 532.6 | 543.0 | 557.7 | 577.9 | 597.5 | 617.4 | 620.3 | 637.9 |
| 17.5° | 538.8 | 544.0 | 546.9 | 557.4 | 573.0 | 595.5 | 621.3 | 644.1 | 646.7 | 667.3 |
| 20° | 566.5 | 572.7 | 573.7 | 582.2 | 597.5 | 621.6 | 652.3 | 680.7 | 683.9 | 707.4 |
| 22.5° | 623.9 | 632.7 | 624.9 | 629.1 | 642.8 | 667.0 | 700.2 | 736.1 | 740.7 | 767.4 |
| 25° | 725.0 | 737.4 | 717.2 | 710.0 | 715.9 | 741.0 | 782.7 | 828.1 | 833.3 | 854.8 |
| 27.5° | 923.6 | 907.6 | 877.0 | 847.0 | 829.4 | 843.7 | 890.7 | 946.8 | 953.3 | 974.2 |
| 30° | 1141.8 | 1127.8 | 1086.4 | 1019.8 | 978.1 | 975.8 | 1019.2 | 1081.8 | 1089.3 | 1109.2 |
| 32.5° | 1360.3 | 1347.0 | 1301.9 | 1220.1 | 1147.7 | 1111.8 | 1141.8 | 1211.3 | 1215.2 | 1227.9 |
| 35° | 1575.2 | 1561.6 | 1516.5 | 1432.7 | 1343.7 | 1262.2 | 1256.3 | 1334.6 | 1335.9 | 1349.2 |
| 37.5° | 1791.5 | 1780.1 | 1732.1 | 1649.9 | 1562.2 | 1449.7 | 1395.2 | 1451.3 | 1452.9 | 1466.0 |
| 40° | 1945.7 | 1950.6 | 1917.7 | 1854.1 | 1778.8 | 1655.8 | 1551.1 | 1575.6 | 1565.8 | 1587.6 |
| 42.5° | 2078.2 | 2087.9 | 2059.2 | 2027.3 | 1983.6 | 1875.3 | 1744.2 | 1739.9 | 1724.3 | 1736.0 |
| 45° | 2192.6 | 2200.8 | 2175.0 | 2167.5 | 2166.5 | 2090.5 | 1955.2 | 1929.8 | 1907.9 | 1905.6 |
| 47.5° | 2234.7 | 2250.4 | 2261.4 | 2286.6 | 2335.5 | 2303.5 | 2173.4 | 2133.9 | 2109.5 | 2091.5 |
| 50° | 2250.7 | 2267.3 | 2305.1 | 2378.2 | 2494.0 | 2507.7 | 2390.6 | 2346.2 | 2316.2 | 2283.6 |
| 52.5° | 2229.2 | 2258.8 | 2309.7 | 2432.7 | 2600.6 | 2671.4 | 2599.0 | 2560.2 | 2525.9 | 2472.8 |
| 55° | 2102.3 | 2132.0 | 2236.0 | 2432.0 | 2653.8 | 2786.2 | 2796.0 | 2778.7 | 2740.2 | 2656.4 |
| 57.5° | 1834.9 | 1878.9 | 2043.6 | 2349.2 | 2652.8 | 2885.0 | 2989.1 | 3001.5 | 2958.4 | 2838.4 |
| 60° | 1464.4 | 1524.0 | 1724.9 | 2165.6 | 2570.9 | 2938.5 | 3158.3 | 3220.3 | 3174.6 | 3017.8 |
| 62.5° | 1021.8 | 1090.9 | 1281.1 | 1877.9 | 2383.7 | 2900.0 | 3281.9 | 3396.4 | 3361.8 | 3178.2 |
| 65° | 623.3 | 645.4 | 798.7 | 1477.7 | 2065.4 | 2738.9 | 3320.1 | 3491.6 | 3480.2 | 3276.4 |
| 67.5° | 415.2 | 433.8 | 477.8 | 1013.3 | 1603.3 | 2417.0 | 3228.8 | 3475.0 | 3478.3 | 3260.4 |
| 70° | 250.1 | 266.1 | 294.8 | 589.3 | 1039.1 | 1913.1 | 2946.0 | 3263.0 | 3281.9 | 3046.8 |
| 72.5° | 103.1 | 113.8 | 139.9 | 267.1 | 538.1 | 1214.2 | 2345.9 | 2801.5 | 2845.6 | 2561.8 |
| 75° | 58.4 | 63.9 | 82.2 | 134.0 | 233.5 | 565.9 | 1421.0 | 1988.8 | 2053.7 | 1765.7 |
| 77.5° | 38.8 | 41.4 | 53.2 | 86.8 | 131.4 | 193.1 | 607.3 | 1036.1 | 1160.1 | 964.4 |
| 80° | 26.1 | 28.4 | 36.5 | 58.1 | 85.4 | 82.8 | 193.4 | 383.9 | 472.2 | 331.4 |
| 82.5° | 17.6 | 17.9 | 26.1 | 38.2 | 54.1 | 40.1 | 57.1 | 119.4 | 150.0 | 95.9 |
| 85° | 10.1 | 9.8 | 19.2 | 22.2 | 24.1 | 16.6 | 17.3 | 35.9 | 47.0 | 40.4 |
| 87.5° | 1.3 | 2.0 | 7.5 | 5.9 | 3.3 | 3.6 | 3.6 | 6.2 | 9.1 | 9.8 |
| 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° |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 565.9 | 0° | 565.9 | 565.9 | 565.9 | 565.9 | 565.9 | 565.9 | 565.9 | 565.9 | 565.9 | 565.9 |
| 566.5 | 2.5° | 566.5 | 566.2 | 565.2 | 564.2 | 561.9 | 560.6 | 561.3 | 560.6 | 560.3 | 560.6 |
| 570.7 | 5° | 570.7 | 569.8 | 567.2 | 563.9 | 559.3 | 553.8 | 550.2 | 545.0 | 540.1 | 537.1 |
| 582.2 | 7.5° | 582.2 | 581.2 | 577.6 | 568.5 | 553.8 | 530.6 | 509.4 | 490.8 | 476.8 | 468.7 |
| 600.4 | 10° | 600.4 | 598.8 | 593.2 | 573.0 | 534.5 | 484.0 | 441.9 | 407.0 | 384.2 | 373.4 |
| 621.9 | 12.5° | 621.9 | 620.0 | 610.2 | 568.8 | 498.0 | 419.1 | 361.0 | 322.2 | 301.0 | 291.6 |
| 646.7 | 15° | 647.4 | 644.8 | 625.5 | 548.6 | 444.9 | 347.3 | 294.2 | 265.2 | 251.5 | 243.0 |
| 678.4 | 17.5° | 679.0 | 674.5 | 636.9 | 518.2 | 387.1 | 292.5 | 253.1 | 231.2 | 219.2 | 211.0 |
| 719.8 | 20° | 720.1 | 712.6 | 646.1 | 482.0 | 334.0 | 258.0 | 225.4 | 207.1 | 198.0 | 190.8 |
| 778.5 | 22.5° | 777.5 | 766.8 | 657.2 | 442.9 | 296.5 | 234.2 | 204.8 | 191.4 | 183.9 | 175.8 |
| 860.4 | 25° | 848.6 | 835.9 | 670.9 | 406.7 | 270.7 | 213.6 | 189.8 | 178.7 | 169.9 | 160.5 |
| 967.7 | 27.5° | 948.1 | 925.3 | 687.2 | 377.0 | 248.5 | 196.0 | 176.1 | 163.7 | 153.6 | 145.8 |
| 1089.3 | 30° | 1059.0 | 1021.5 | 701.5 | 359.1 | 228.3 | 179.7 | 158.2 | 145.8 | 136.3 | 130.8 |
| 1198.6 | 32.5° | 1164.0 | 1113.1 | 711.0 | 351.3 | 210.0 | 161.1 | 138.6 | 125.2 | 118.1 | 116.4 |
| 1305.5 | 35° | 1263.1 | 1195.9 | 710.0 | 343.7 | 193.7 | 142.5 | 119.4 | 105.7 | 100.1 | 101.1 |
| 1420.7 | 37.5° | 1377.3 | 1284.3 | 703.2 | 332.0 | 180.4 | 125.6 | 102.7 | 90.7 | 85.8 | 86.1 |
| 1560.6 | 40° | 1510.0 | 1386.4 | 698.9 | 309.8 | 165.7 | 109.9 | 89.0 | 79.3 | 75.7 | 74.4 |
| 1708.0 | 42.5° | 1651.6 | 1485.2 | 699.6 | 284.7 | 147.4 | 95.9 | 79.6 | 71.4 | 68.2 | 67.2 |
| 1872.0 | 45° | 1793.8 | 1579.5 | 700.5 | 258.6 | 128.2 | 85.1 | 72.7 | 65.9 | 63.9 | 62.6 |
| 2038.4 | 47.5° | 1927.5 | 1659.7 | 682.3 | 230.6 | 109.3 | 77.0 | 67.2 | 62.6 | 61.0 | 59.4 |
| 2205.3 | 50° | 2052.1 | 1713.2 | 638.3 | 198.0 | 94.3 | 70.4 | 62.9 | 59.7 | 58.1 | 56.4 |
| 2356.7 | 52.5° | 2148.9 | 1721.7 | 565.5 | 164.4 | 83.8 | 65.6 | 60.3 | 57.4 | 55.4 | 53.8 |
| 2479.0 | 55° | 2192.0 | 1668.5 | 462.1 | 133.1 | 75.7 | 61.3 | 57.7 | 54.8 | 52.5 | 50.9 |
| 2575.2 | 57.5° | 2180.9 | 1556.7 | 360.4 | 107.0 | 67.8 | 57.1 | 54.5 | 52.5 | 49.9 | 47.3 |
| 2653.1 | 60° | 2126.4 | 1407.0 | 271.7 | 89.0 | 60.7 | 52.5 | 50.9 | 49.2 | 45.7 | 41.7 |
| 2683.1 | 62.5° | 2032.2 | 1218.8 | 193.7 | 73.7 | 52.8 | 47.3 | 46.6 | 45.3 | 40.1 | 32.9 |
| 2638.8 | 65° | 1888.0 | 990.2 | 130.5 | 61.3 | 45.3 | 41.4 | 41.7 | 39.5 | 32.6 | 24.5 |
| 2476.4 | 67.5° | 1677.3 | 724.0 | 83.5 | 50.2 | 37.8 | 34.6 | 34.9 | 33.6 | 27.7 | 20.9 |
| 2168.5 | 70° | 1408.9 | 479.4 | 54.5 | 38.2 | 30.3 | 26.7 | 28.7 | 29.0 | 23.5 | 17.0 |
| 1664.3 | 72.5° | 1032.9 | 283.1 | 38.2 | 28.4 | 22.2 | 18.6 | 23.5 | 24.1 | 18.9 | 12.7 |
| 1001.2 | 75° | 588.7 | 134.4 | 28.7 | 20.5 | 13.7 | 13.0 | 18.3 | 18.3 | 13.0 | 8.5 |
| 433.4 | 77.5° | 247.2 | 56.1 | 20.2 | 13.4 | 7.8 | 7.5 | 12.4 | 11.4 | 6.5 | 3.9 |
| 105.7 | 80° | 71.4 | 25.1 | 10.8 | 6.5 | 3.3 | 2.9 | 4.9 | 3.6 | 1.6 | 0.7 |
| 40.1 | 82.5° | 28.0 | 11.1 | 4.2 | 2.6 | 1.3 | 1.3 | 0.7 | 0.0 | 0.0 | 0.0 |
| 22.8 | 85° | 16.6 | 4.6 | 2.0 | 1.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4.9 | 87.5° | 4.2 | 1.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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° |
| <hr/> |
| 565.9 |
| 561.9 |
| 537.8 |
| 469.0 |
| 372.4 |
| 290.6 |
| 243.3 |
| 210.4 |
| 189.5 |
| 174.5 |
| 159.5 |
| 144.2 |
| 129.8 |
| 117.4 |
| 101.1 |
| 87.4 |
| 74.0 |
| 66.9 |
| 62.6 |
| 59.4 |
| 56.4 |
| 53.5 |
| 50.6 |
| 47.0 |
| 41.1 |
| 32.3 |
| 23.8 |
| 19.9 |
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| 12.1 |
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