

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: P847267

Luminaire Tested: **GLAN-SB3B-740-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847267
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-SB3B-740-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14019 lumens
Efficiency: N/A
Efficacy: 128.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

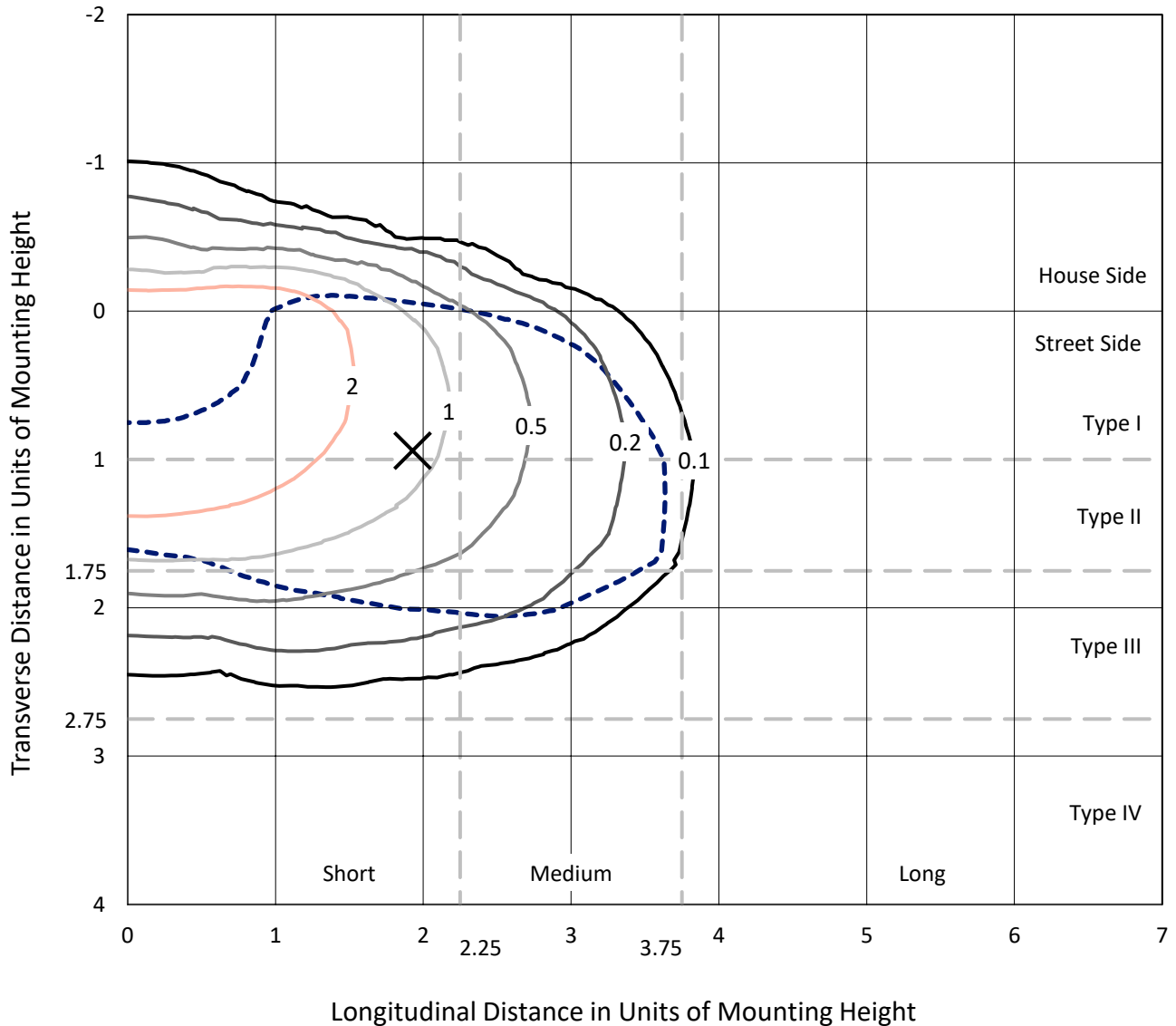
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

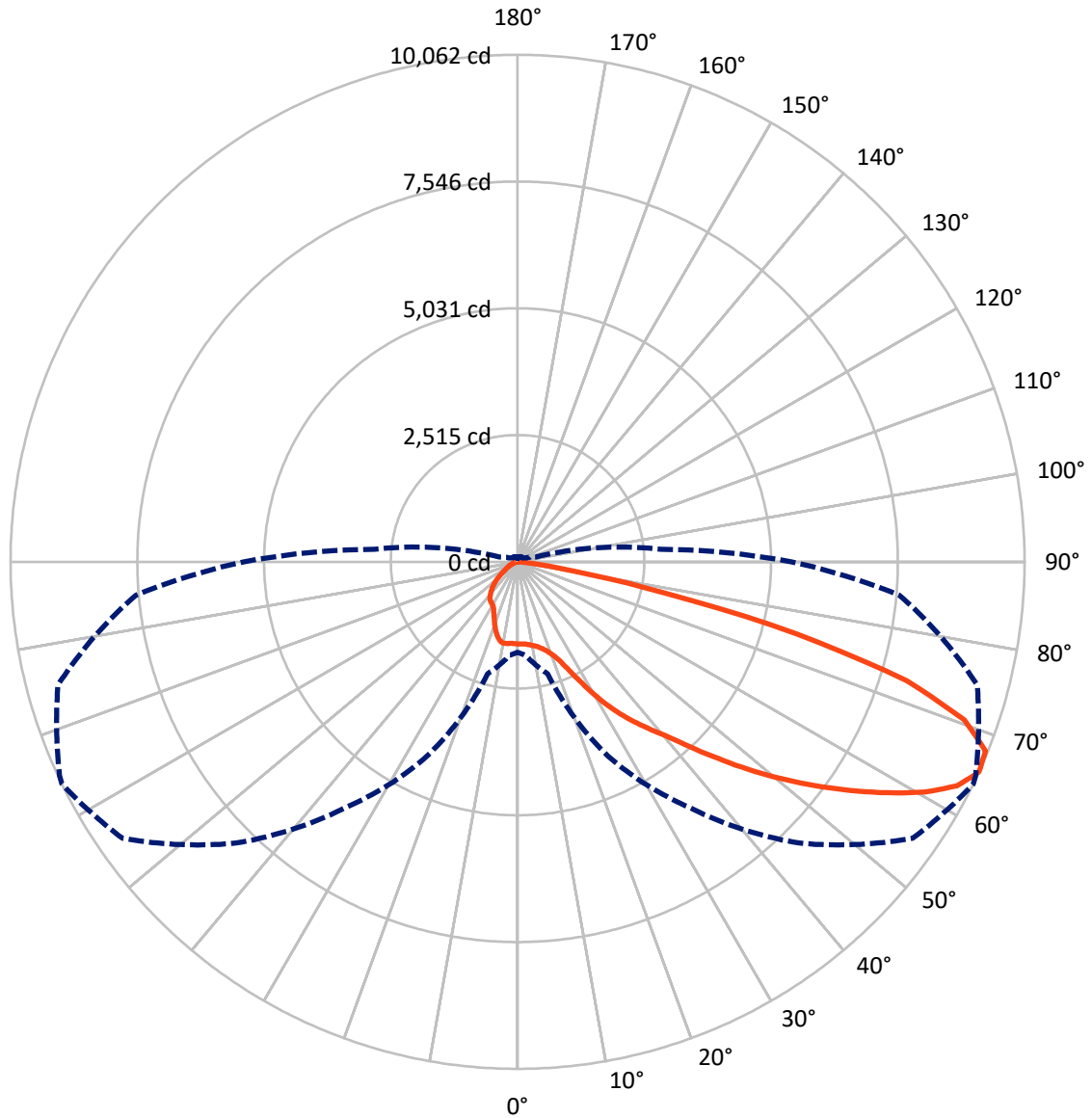
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 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 | 1874.8 | 0.0 | 1874.8 |
| | % Fixture | 13.4 | 0.0 | 13.4 |
| Street Side | Lumens | 12144.2 | 0.0 | 12144.2 |
| | % Fixture | 86.6 | 0.0 | 86.6 |
| Total | Lumens | 14019.0 | 0.0 | 14019.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 150.4 | 1.1 |
| 10°-20° | 408.0 | 2.9 |
| 20°-30° | 773.2 | 5.5 |
| 30°-40° | 1564.5 | 11.2 |
| 40°-50° | 2665.2 | 19.0 |
| 50°-60° | 3624.5 | 25.9 |
| 60°-70° | 3403.5 | 24.3 |
| 70°-80° | 1363.6 | 9.7 |
| 80°-90° | 66.1 | 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° | 14019.0 | 100.0 |
| 0°-180° | 14019.0 | 100.0 |

Coefficient of Utilization



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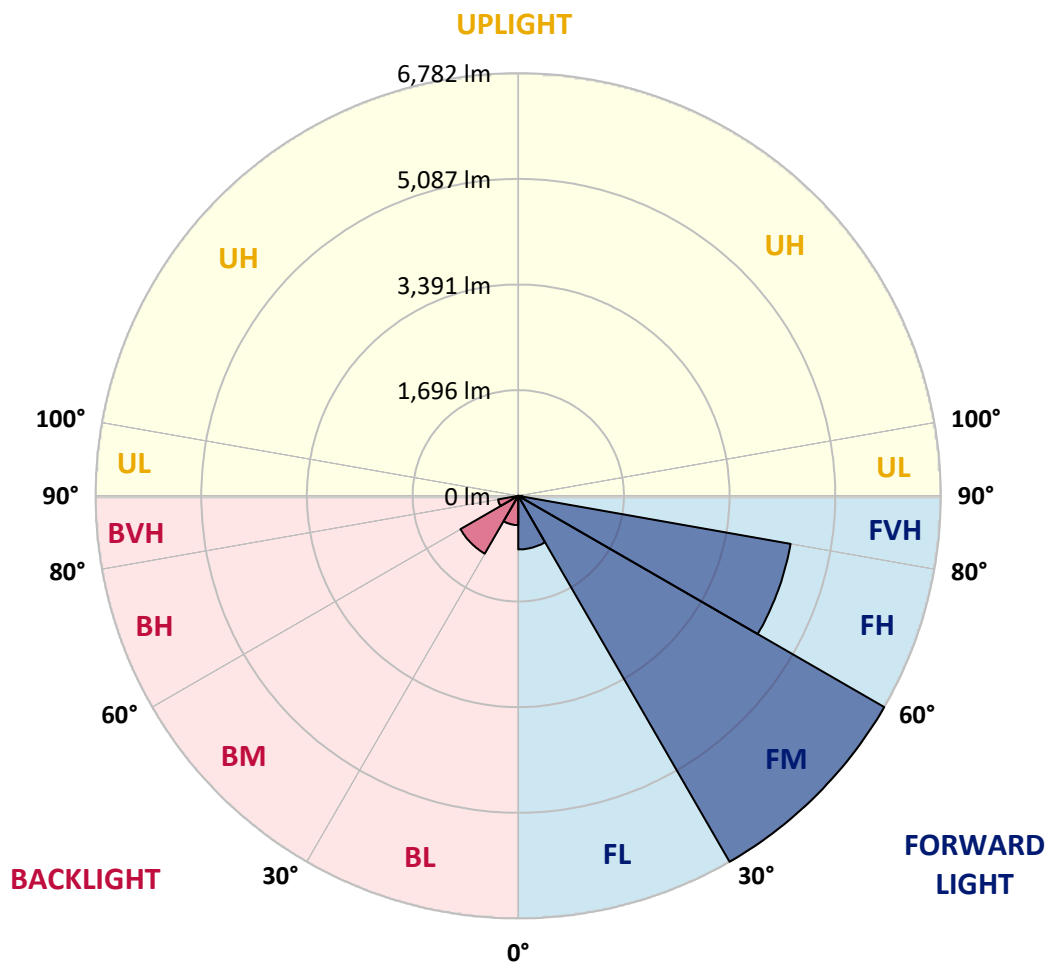
CATALOG NUMBER: GLAN-SB3B-740-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 860.9 | 6.1 | | | |
| FM (30°-60°) | 6782.4 | 48.4 | | | |
| FH (60°-80°) | 4438.1 | 31.7 | | | G2/5000 |
| FVH (80°-90°) | 62.8 | 0.4 | | | G1/100 |
| BL (0°-30°) | 470.7 | 3.4 | B1/500 | | |
| BM (30°-60°) | 1071.8 | 7.6 | B2/2500 | | |
| BH (60°-80°) | 329.1 | 2.3 | B1/500 | | G1/500 |
| BVH (80°-90°) | 3.2 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 64° | 65° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| 0° | 1630.6 | 1630.6 | 1630.6 | 1630.6 | 1630.6 | 1630.6 | 1630.6 | 1630.6 | 1630.6 | 1630.6 |
| 2.5° | 1624.9 | 1636.2 | 1633.4 | 1630.6 | 1629.6 | 1631.5 | 1632.4 | 1631.5 | 1631.5 | 1631.5 |
| 5° | 1593.9 | 1603.3 | 1603.3 | 1609.9 | 1619.3 | 1630.6 | 1639.0 | 1640.9 | 1642.8 | 1645.6 |
| 7.5° | 1534.7 | 1542.2 | 1547.9 | 1569.5 | 1593.0 | 1623.0 | 1648.4 | 1661.6 | 1663.4 | 1673.8 |
| 10° | 1494.3 | 1503.7 | 1513.1 | 1535.6 | 1569.5 | 1614.6 | 1657.8 | 1689.8 | 1694.5 | 1718.9 |
| 12.5° | 1492.4 | 1501.8 | 1514.0 | 1538.5 | 1577.9 | 1625.9 | 1678.5 | 1724.5 | 1733.0 | 1768.7 |
| 15° | 1512.1 | 1523.4 | 1534.7 | 1564.8 | 1607.1 | 1665.3 | 1721.7 | 1779.0 | 1787.5 | 1838.3 |
| 17.5° | 1552.6 | 1567.6 | 1576.0 | 1606.1 | 1651.2 | 1716.1 | 1790.3 | 1856.1 | 1863.6 | 1922.8 |
| 20° | 1632.4 | 1650.3 | 1653.1 | 1677.5 | 1721.7 | 1791.3 | 1879.6 | 1961.4 | 1970.8 | 2038.4 |
| 22.5° | 1797.8 | 1823.2 | 1800.7 | 1812.9 | 1852.3 | 1921.9 | 2017.8 | 2121.1 | 2134.3 | 2211.4 |
| 25° | 2089.2 | 2124.9 | 2066.6 | 2045.9 | 2062.9 | 2135.2 | 2255.5 | 2386.2 | 2401.2 | 2463.2 |
| 27.5° | 2661.5 | 2615.5 | 2527.1 | 2440.7 | 2389.9 | 2431.3 | 2566.6 | 2728.2 | 2747.0 | 2807.2 |
| 30° | 3290.2 | 3249.8 | 3130.5 | 2938.8 | 2818.5 | 2811.9 | 2936.9 | 3117.3 | 3138.9 | 3196.3 |
| 32.5° | 3919.9 | 3881.4 | 3751.7 | 3515.8 | 3307.2 | 3203.8 | 3290.2 | 3490.4 | 3501.7 | 3538.4 |
| 35° | 4539.2 | 4499.8 | 4370.1 | 4128.5 | 3872.0 | 3637.0 | 3620.1 | 3845.7 | 3849.4 | 3888.0 |
| 37.5° | 5162.3 | 5129.4 | 4991.3 | 4754.5 | 4501.6 | 4177.4 | 4020.5 | 4182.1 | 4186.8 | 4224.4 |
| 40° | 5606.9 | 5621.0 | 5526.0 | 5342.8 | 5125.7 | 4771.4 | 4469.7 | 4540.2 | 4512.0 | 4575.0 |
| 42.5° | 5988.4 | 6016.6 | 5933.9 | 5841.8 | 5715.9 | 5403.9 | 5026.1 | 5013.8 | 4968.7 | 5002.6 |
| 45° | 6318.3 | 6341.8 | 6267.5 | 6245.9 | 6243.1 | 6024.1 | 5634.1 | 5560.8 | 5497.8 | 5491.3 |
| 47.5° | 6439.5 | 6484.6 | 6516.6 | 6588.9 | 6729.9 | 6637.8 | 6262.8 | 6149.1 | 6078.6 | 6026.9 |
| 50° | 6485.6 | 6533.5 | 6642.5 | 6853.0 | 7186.7 | 7226.1 | 6888.7 | 6760.9 | 6674.5 | 6580.5 |
| 52.5° | 6423.5 | 6509.1 | 6655.7 | 7010.0 | 7494.0 | 7697.9 | 7489.3 | 7377.4 | 7278.8 | 7125.6 |
| 55° | 6058.0 | 6143.5 | 6443.3 | 7008.1 | 7647.2 | 8028.7 | 8056.9 | 8007.1 | 7896.2 | 7654.7 |
| 57.5° | 5287.3 | 5414.2 | 5888.8 | 6769.4 | 7644.3 | 8313.5 | 8613.3 | 8649.0 | 8524.9 | 8179.1 |
| 60° | 4219.7 | 4391.7 | 4970.6 | 6240.3 | 7408.5 | 8467.6 | 9101.0 | 9279.6 | 9148.0 | 8696.0 |
| 62.5° | 2944.4 | 3143.6 | 3691.5 | 5411.4 | 6869.0 | 8356.7 | 9457.2 | 9787.1 | 9687.5 | 9158.4 |
| 65° | 1796.0 | 1859.9 | 2301.6 | 4258.2 | 5951.8 | 7892.5 | 9567.2 | 10061.5 | 10028.6 | 9441.2 |
| 67.5° | 1196.4 | 1249.9 | 1376.8 | 2920.0 | 4620.1 | 6964.9 | 9304.0 | 10013.6 | 10023.0 | 9395.2 |
| 70° | 720.8 | 766.9 | 849.6 | 1698.2 | 2994.2 | 5512.9 | 8489.2 | 9402.7 | 9457.2 | 8779.6 |
| 72.5° | 297.0 | 328.0 | 403.2 | 769.7 | 1550.7 | 3498.9 | 6760.0 | 8072.9 | 8199.8 | 7382.1 |
| 75° | 168.2 | 184.2 | 236.8 | 386.3 | 672.9 | 1630.6 | 4094.7 | 5730.9 | 5917.9 | 5088.1 |
| 77.5° | 111.8 | 119.4 | 153.2 | 250.0 | 378.7 | 556.4 | 1749.9 | 2985.7 | 3342.9 | 2779.0 |
| 80° | 75.2 | 81.8 | 105.3 | 167.3 | 246.2 | 238.7 | 557.3 | 1106.1 | 1360.8 | 954.8 |
| 82.5° | 50.7 | 51.7 | 75.2 | 110.0 | 156.0 | 115.6 | 164.5 | 344.0 | 432.3 | 276.3 |
| 85° | 29.1 | 28.2 | 55.4 | 63.9 | 69.5 | 47.9 | 49.8 | 103.4 | 135.3 | 116.5 |
| 87.5° | 3.8 | 5.6 | 21.6 | 16.9 | 9.4 | 10.3 | 10.3 | 17.9 | 26.3 | 28.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

REPORT NUMBER: P847267
 CATALOG NUMBER: GLAN-SB3B-740-U-T3-HSS

CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1630.6 | 0° | 1630.6 | 1630.6 | 1630.6 | 1630.6 | 1630.6 | 1630.6 | 1630.6 | 1630.6 | 1630.6 | 1630.6 |
| 1632.4 | 2.5° | 1632.4 | 1631.5 | 1628.7 | 1625.9 | 1619.3 | 1615.5 | 1617.4 | 1615.5 | 1614.6 | 1615.5 |
| 1644.7 | 5° | 1644.7 | 1641.8 | 1634.3 | 1624.9 | 1611.8 | 1595.8 | 1585.4 | 1570.4 | 1556.3 | 1547.9 |
| 1677.5 | 7.5° | 1677.5 | 1674.7 | 1664.4 | 1638.1 | 1595.8 | 1529.1 | 1468.0 | 1414.4 | 1374.0 | 1350.5 |
| 1730.2 | 10° | 1730.2 | 1725.5 | 1709.5 | 1651.2 | 1540.3 | 1394.7 | 1273.4 | 1172.9 | 1107.1 | 1076.1 |
| 1792.2 | 12.5° | 1792.2 | 1786.6 | 1758.4 | 1639.0 | 1435.1 | 1207.6 | 1040.4 | 928.5 | 867.4 | 840.2 |
| 1863.6 | 15° | 1865.5 | 1858.0 | 1802.5 | 1580.7 | 1281.9 | 1000.9 | 847.7 | 764.1 | 724.6 | 700.2 |
| 1954.8 | 17.5° | 1956.7 | 1943.5 | 1835.4 | 1493.3 | 1115.5 | 843.0 | 729.3 | 666.3 | 631.5 | 608.1 |
| 2074.1 | 20° | 2075.1 | 2053.5 | 1861.7 | 1389.0 | 962.4 | 743.4 | 649.4 | 596.8 | 570.5 | 549.8 |
| 2243.3 | 22.5° | 2240.5 | 2209.5 | 1893.7 | 1276.3 | 854.3 | 674.8 | 590.2 | 551.7 | 530.0 | 506.6 |
| 2479.2 | 25° | 2445.4 | 2408.7 | 1933.2 | 1171.9 | 780.0 | 615.6 | 547.0 | 515.0 | 489.6 | 462.4 |
| 2788.4 | 27.5° | 2732.0 | 2666.2 | 1980.2 | 1086.4 | 716.1 | 564.8 | 507.5 | 471.8 | 442.6 | 420.1 |
| 3138.9 | 30° | 3051.5 | 2943.5 | 2021.5 | 1034.7 | 657.9 | 517.8 | 455.8 | 420.1 | 392.8 | 376.9 |
| 3453.8 | 32.5° | 3354.2 | 3207.5 | 2048.8 | 1012.2 | 605.2 | 464.3 | 399.4 | 360.9 | 340.2 | 335.5 |
| 3762.0 | 35° | 3639.9 | 3446.3 | 2045.9 | 990.6 | 558.2 | 410.7 | 344.0 | 304.5 | 288.5 | 291.3 |
| 4093.8 | 37.5° | 3968.8 | 3700.9 | 2026.2 | 956.7 | 519.7 | 361.8 | 296.0 | 261.3 | 247.2 | 248.1 |
| 4496.9 | 40° | 4351.3 | 3995.1 | 2014.0 | 892.8 | 477.4 | 316.7 | 256.6 | 228.4 | 218.0 | 214.3 |
| 4921.7 | 42.5° | 4759.2 | 4279.9 | 2015.9 | 820.4 | 424.8 | 276.3 | 229.3 | 205.8 | 196.4 | 193.6 |
| 5394.5 | 45° | 5168.9 | 4551.5 | 2018.7 | 745.3 | 369.3 | 245.3 | 209.6 | 189.8 | 184.2 | 180.4 |
| 5873.8 | 47.5° | 5554.2 | 4782.6 | 1966.1 | 664.4 | 314.8 | 221.8 | 193.6 | 180.4 | 175.7 | 171.0 |
| 6354.9 | 50° | 5913.2 | 4936.8 | 1839.2 | 570.5 | 271.6 | 203.0 | 181.4 | 172.0 | 167.3 | 162.6 |
| 6791.0 | 52.5° | 6192.4 | 4961.2 | 1629.6 | 473.7 | 241.5 | 188.9 | 173.9 | 165.4 | 159.8 | 155.1 |
| 7143.4 | 55° | 6316.4 | 4808.0 | 1331.7 | 383.4 | 218.0 | 176.7 | 166.3 | 157.9 | 151.3 | 146.6 |
| 7420.7 | 57.5° | 6284.5 | 4485.7 | 1038.5 | 308.3 | 195.5 | 164.5 | 156.9 | 151.3 | 143.8 | 136.3 |
| 7645.3 | 60° | 6127.5 | 4054.3 | 782.9 | 256.6 | 174.8 | 151.3 | 146.6 | 141.9 | 131.6 | 120.3 |
| 7731.7 | 62.5° | 5855.9 | 3512.0 | 558.2 | 212.4 | 152.2 | 136.3 | 134.4 | 130.6 | 115.6 | 94.9 |
| 7603.9 | 65° | 5440.5 | 2853.2 | 375.9 | 176.7 | 130.6 | 119.4 | 120.3 | 113.7 | 94.0 | 70.5 |
| 7135.9 | 67.5° | 4833.4 | 2086.4 | 240.6 | 144.7 | 109.0 | 99.6 | 100.6 | 96.8 | 79.9 | 60.1 |
| 6248.7 | 70° | 4059.9 | 1381.5 | 156.9 | 110.0 | 87.4 | 77.1 | 82.7 | 83.6 | 67.7 | 48.9 |
| 4795.8 | 72.5° | 2976.4 | 815.7 | 110.0 | 81.8 | 63.9 | 53.6 | 67.7 | 69.5 | 54.5 | 36.7 |
| 2885.2 | 75° | 1696.3 | 387.2 | 82.7 | 59.2 | 39.5 | 37.6 | 52.6 | 52.6 | 37.6 | 24.4 |
| 1249.0 | 77.5° | 712.4 | 161.6 | 58.3 | 38.5 | 22.6 | 21.6 | 35.7 | 32.9 | 18.8 | 11.3 |
| 304.5 | 80° | 205.8 | 72.4 | 31.0 | 18.8 | 9.4 | 8.5 | 14.1 | 10.3 | 4.7 | 1.9 |
| 115.6 | 82.5° | 80.8 | 32.0 | 12.2 | 7.5 | 3.8 | 3.8 | 1.9 | 0.0 | 0.0 | 0.0 |
| 65.8 | 85° | 47.9 | 13.2 | 5.6 | 2.8 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14.1 | 87.5° | 12.2 | 2.8 | 1.9 | 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° |
|--------|
| 1630.6 |
| 1619.3 |
| 1549.7 |
| 1351.4 |
| 1073.3 |
| 837.4 |
| 701.1 |
| 606.2 |
| 546.0 |
| 502.8 |
| 459.6 |
| 415.4 |
| 374.0 |
| 338.3 |
| 291.3 |
| 251.9 |
| 213.3 |
| 192.7 |
| 180.4 |
| 171.0 |
| 162.6 |
| 154.1 |
| 145.7 |
| 135.3 |
| 118.4 |
| 93.0 |
| 68.6 |
| 57.3 |
| 47.0 |
| 34.8 |
| 22.6 |
| 11.3 |
| 1.9 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |

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