

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: P847527

Luminaire Tested: **GLAN-SB3C-930-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847527
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-SB3C-930-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 3000K, 615mA 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: 11889 lumens
Efficiency: N/A
Efficacy: 79.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

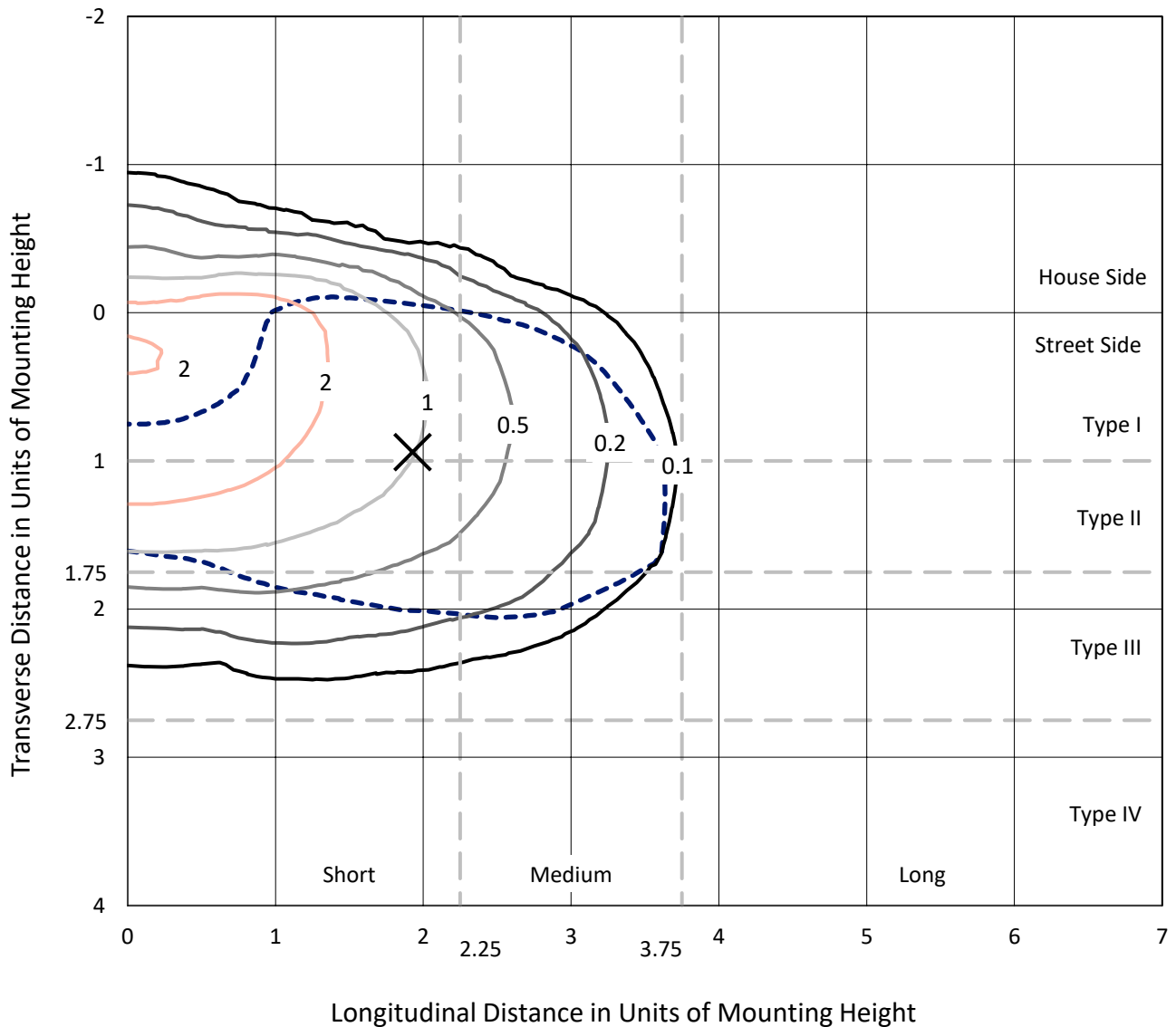
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

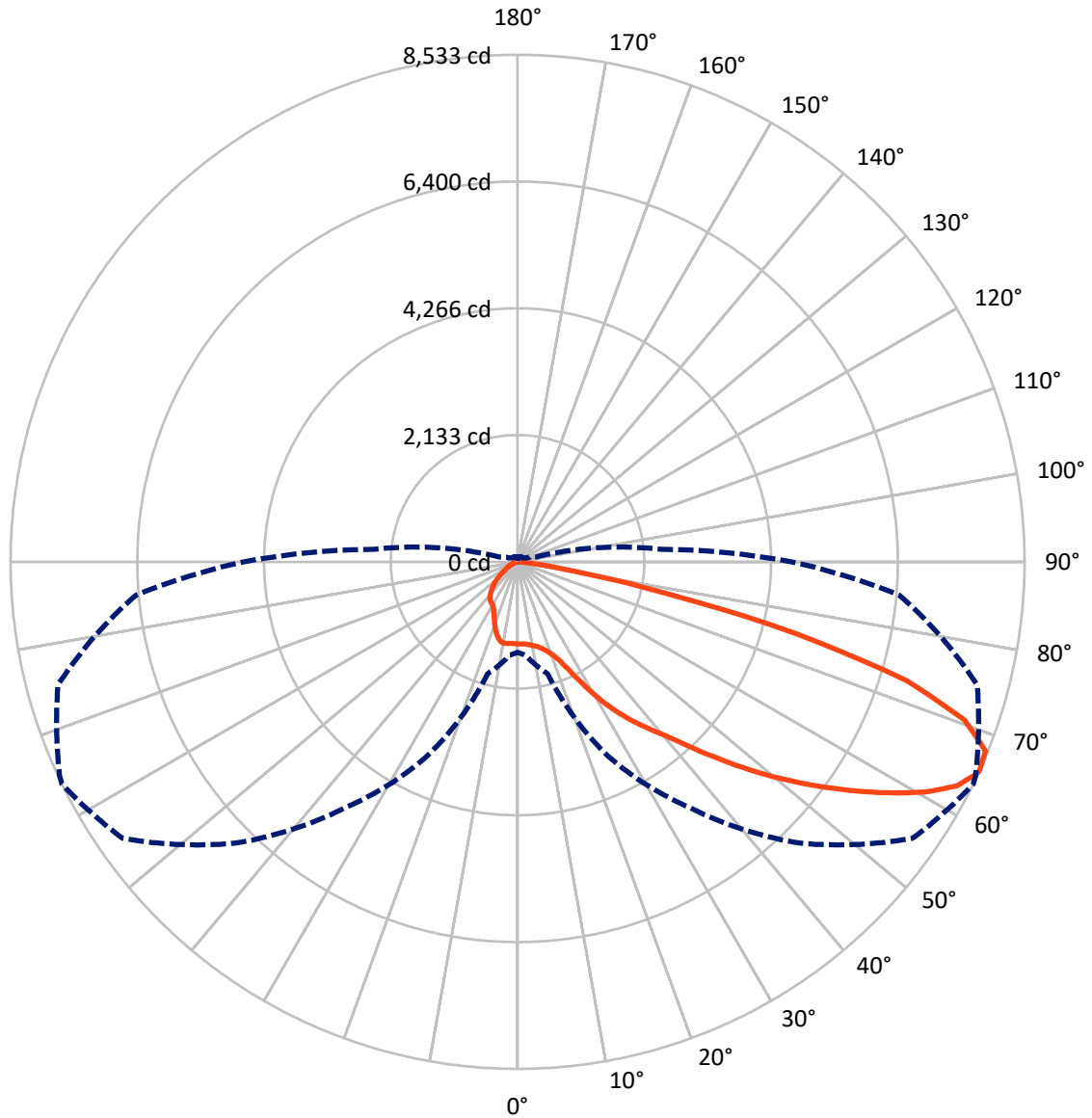
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 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 | 1589.9 | 0.0 | 1589.9 |
| | % Fixture | 13.4 | 0.0 | 13.4 |
| Street Side | Lumens | 10299.1 | 0.0 | 10299.1 |
| | % Fixture | 86.6 | 0.0 | 86.6 |
| Total | Lumens | 11889.0 | 0.0 | 11889.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 127.6 | 1.1 |
| 10°-20° | 346.0 | 2.9 |
| 20°-30° | 655.7 | 5.5 |
| 30°-40° | 1326.8 | 11.2 |
| 40°-50° | 2260.2 | 19.0 |
| 50°-60° | 3073.8 | 25.9 |
| 60°-70° | 2886.4 | 24.3 |
| 70°-80° | 1156.4 | 9.7 |
| 80°-90° | 56.0 | 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° | 11889.0 | 100.0 |
| 0°-180° | 11889.0 | 100.0 |

Coefficient of Utilization



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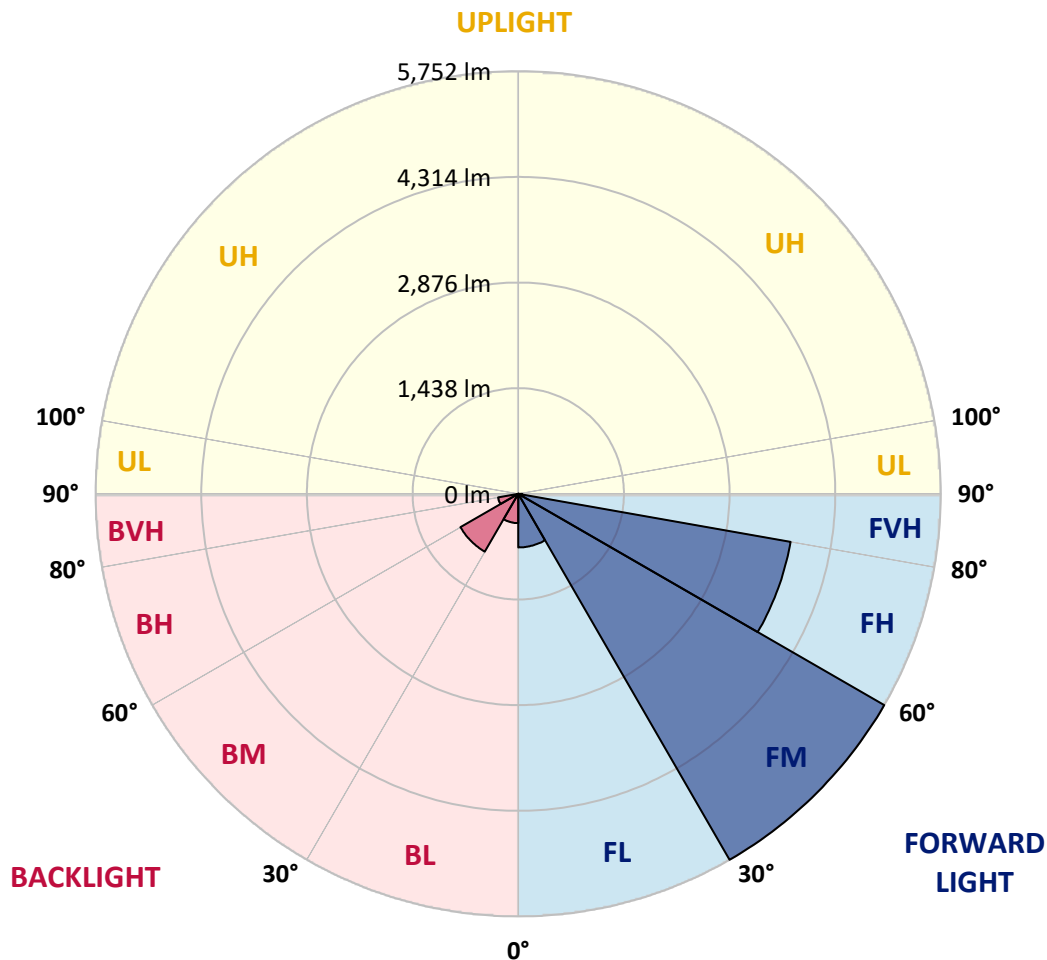
CATALOG NUMBER: GLAN-SB3C-930-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 730.1 | 6.1 | | | |
| FM (30°-60°) | 5751.9 | 48.4 | | | |
| FH (60°-80°) | 3763.8 | 31.7 | | | G2/5000 |
| FVH (80°-90°) | 53.3 | 0.4 | | | G1/100 |
| BL (0°-30°) | 399.2 | 3.4 | B1/500 | | |
| BM (30°-60°) | 908.9 | 7.6 | B1/1000 | | |
| BH (60°-80°) | 279.1 | 2.3 | B1/500 | | G1/500 |
| BVH (80°-90°) | 2.7 | 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-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 64° | 65° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1382.8 | 1382.8 | 1382.8 | 1382.8 | 1382.8 | 1382.8 | 1382.8 | 1382.8 | 1382.8 | 1382.8 |
| 2.5° | 1378.0 | 1387.6 | 1385.2 | 1382.8 | 1382.0 | 1383.6 | 1384.4 | 1383.6 | 1383.6 | 1383.6 |
| 5° | 1351.7 | 1359.7 | 1359.7 | 1365.3 | 1373.3 | 1382.8 | 1390.0 | 1393.2 | 1393.2 | 1395.6 |
| 7.5° | 1301.5 | 1307.9 | 1312.7 | 1331.0 | 1350.9 | 1376.4 | 1398.0 | 1410.7 | 1410.7 | 1419.5 |
| 10° | 1267.2 | 1275.2 | 1283.2 | 1302.3 | 1331.0 | 1369.3 | 1405.9 | 1437.0 | 1437.0 | 1457.7 |
| 12.5° | 1265.7 | 1273.6 | 1284.0 | 1304.7 | 1338.2 | 1378.8 | 1423.5 | 1469.7 | 1469.7 | 1500.0 |
| 15° | 1282.4 | 1292.0 | 1301.5 | 1327.0 | 1362.9 | 1412.3 | 1460.1 | 1515.9 | 1515.9 | 1559.0 |
| 17.5° | 1316.7 | 1329.4 | 1336.6 | 1362.1 | 1400.3 | 1455.3 | 1518.3 | 1580.5 | 1580.5 | 1630.7 |
| 20° | 1384.4 | 1399.6 | 1401.9 | 1422.7 | 1460.1 | 1519.1 | 1594.0 | 1671.3 | 1671.3 | 1728.7 |
| 22.5° | 1524.7 | 1546.2 | 1527.1 | 1537.4 | 1570.9 | 1629.9 | 1711.2 | 1810.0 | 1810.0 | 1875.4 |
| 25° | 1771.8 | 1802.0 | 1752.6 | 1735.1 | 1749.4 | 1810.8 | 1912.8 | 2036.4 | 2036.4 | 2089.0 |
| 27.5° | 2257.1 | 2218.1 | 2143.2 | 2069.8 | 2026.8 | 2061.9 | 2176.6 | 2329.7 | 2329.7 | 2380.7 |
| 30° | 2790.3 | 2756.1 | 2654.8 | 2492.3 | 2390.2 | 2384.7 | 2490.7 | 2662.0 | 2662.0 | 2710.6 |
| 32.5° | 3324.3 | 3291.7 | 3181.7 | 2981.6 | 2804.7 | 2717.0 | 2790.3 | 2969.7 | 2969.7 | 3000.7 |
| 35° | 3849.6 | 3816.1 | 3706.1 | 3501.3 | 3283.7 | 3084.4 | 3070.1 | 3264.6 | 3264.6 | 3297.2 |
| 37.5° | 4378.0 | 4350.1 | 4232.9 | 4032.1 | 3817.7 | 3542.7 | 3409.6 | 3550.7 | 3550.7 | 3582.6 |
| 40° | 4755.0 | 4766.9 | 4686.4 | 4531.0 | 4346.9 | 4046.4 | 3790.6 | 3826.5 | 3826.5 | 3879.8 |
| 42.5° | 5078.6 | 5102.5 | 5032.3 | 4954.2 | 4847.4 | 4582.8 | 4262.4 | 4213.8 | 4213.8 | 4242.5 |
| 45° | 5358.3 | 5378.2 | 5315.3 | 5296.9 | 5294.5 | 5108.8 | 4778.1 | 4662.5 | 4662.5 | 4656.9 |
| 47.5° | 5461.1 | 5499.4 | 5526.5 | 5587.8 | 5707.4 | 5629.3 | 5311.3 | 5155.1 | 5155.1 | 5111.2 |
| 50° | 5500.2 | 5540.8 | 5633.3 | 5811.8 | 6094.7 | 6128.2 | 5842.1 | 5660.4 | 5660.4 | 5580.7 |
| 52.5° | 5447.6 | 5520.1 | 5644.4 | 5944.9 | 6355.4 | 6528.3 | 6351.4 | 6172.9 | 6172.9 | 6042.9 |
| 55° | 5137.5 | 5210.1 | 5464.3 | 5943.3 | 6485.3 | 6808.9 | 6832.8 | 6696.5 | 6696.5 | 6491.7 |
| 57.5° | 4484.0 | 4591.6 | 4994.1 | 5740.9 | 6482.9 | 7050.4 | 7304.6 | 7229.7 | 7229.7 | 6936.4 |
| 60° | 3578.6 | 3724.4 | 4215.4 | 5292.2 | 6282.8 | 7181.1 | 7718.3 | 7758.1 | 7758.1 | 7374.7 |
| 62.5° | 2497.0 | 2666.0 | 3130.7 | 4589.2 | 5825.4 | 7087.0 | 8020.3 | 8215.6 | 8215.6 | 7766.9 |
| 65° | 1523.1 | 1577.3 | 1951.9 | 3611.3 | 5047.5 | 6693.3 | 8113.6 | 8504.9 | 8504.9 | 8006.8 |
| 67.5° | 1014.6 | 1060.0 | 1167.6 | 2476.3 | 3918.1 | 5906.6 | 7890.4 | 8500.1 | 8500.1 | 7967.7 |
| 70° | 611.3 | 650.4 | 720.5 | 1440.2 | 2539.3 | 4675.3 | 7199.4 | 8020.3 | 8020.3 | 7445.7 |
| 72.5° | 251.9 | 278.2 | 341.9 | 652.8 | 1315.1 | 2967.3 | 5732.9 | 6953.9 | 6953.9 | 6260.5 |
| 75° | 142.7 | 156.2 | 200.8 | 327.6 | 570.7 | 1382.8 | 3472.6 | 5018.8 | 5018.8 | 4315.0 |
| 77.5° | 94.8 | 101.2 | 129.9 | 212.0 | 321.2 | 471.8 | 1484.0 | 2835.0 | 2835.0 | 2356.8 |
| 80° | 63.8 | 69.3 | 89.3 | 141.9 | 208.8 | 202.4 | 472.6 | 1154.1 | 1154.1 | 809.8 |
| 82.5° | 43.0 | 43.8 | 63.8 | 93.3 | 132.3 | 98.0 | 139.5 | 366.6 | 366.6 | 234.3 |
| 85° | 24.7 | 23.9 | 47.0 | 54.2 | 59.0 | 40.6 | 42.2 | 114.8 | 114.8 | 98.8 |
| 87.5° | 3.2 | 4.8 | 18.3 | 14.3 | 8.0 | 8.8 | 8.8 | 22.3 | 22.3 | 23.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

REPORT NUMBER: P847527
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CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1382.8 | 0° | 1382.8 | 1382.8 | 1382.8 | 1382.8 | 1382.8 | 1382.8 | 1382.8 | 1382.8 | 1382.8 | 1382.8 |
| 1384.4 | 2.5° | 1384.4 | 1383.6 | 1381.2 | 1378.8 | 1373.3 | 1370.1 | 1371.7 | 1370.1 | 1369.3 | 1370.1 |
| 1394.8 | 5° | 1394.8 | 1392.4 | 1386.0 | 1378.0 | 1366.9 | 1353.3 | 1344.6 | 1331.8 | 1319.9 | 1312.7 |
| 1422.7 | 7.5° | 1422.7 | 1420.3 | 1411.5 | 1389.2 | 1353.3 | 1296.7 | 1244.9 | 1199.5 | 1165.2 | 1145.3 |
| 1467.3 | 10° | 1467.3 | 1463.3 | 1449.8 | 1400.3 | 1306.3 | 1182.8 | 1079.9 | 994.7 | 938.9 | 912.6 |
| 1519.9 | 12.5° | 1519.9 | 1515.1 | 1491.2 | 1390.0 | 1217.0 | 1024.2 | 882.3 | 787.4 | 735.6 | 712.5 |
| 1580.5 | 15° | 1582.1 | 1575.7 | 1528.7 | 1340.6 | 1087.1 | 848.8 | 718.9 | 648.0 | 614.5 | 593.8 |
| 1657.8 | 17.5° | 1659.4 | 1648.2 | 1556.6 | 1266.5 | 946.1 | 714.9 | 618.5 | 565.1 | 535.6 | 515.7 |
| 1759.0 | 20° | 1759.8 | 1741.5 | 1578.9 | 1178.0 | 816.1 | 630.4 | 550.7 | 506.1 | 483.8 | 466.3 |
| 1902.5 | 22.5° | 1900.1 | 1873.8 | 1606.0 | 1082.3 | 724.5 | 572.3 | 500.5 | 467.8 | 449.5 | 429.6 |
| 2102.5 | 25° | 2073.8 | 2042.7 | 1639.5 | 993.9 | 661.5 | 522.0 | 463.9 | 436.8 | 415.2 | 392.1 |
| 2364.7 | 27.5° | 2316.9 | 2261.1 | 1679.3 | 921.3 | 607.3 | 479.0 | 430.4 | 400.1 | 375.4 | 356.3 |
| 2662.0 | 30° | 2587.9 | 2496.2 | 1714.4 | 877.5 | 557.9 | 439.2 | 386.6 | 356.3 | 333.2 | 319.6 |
| 2929.0 | 32.5° | 2844.5 | 2720.2 | 1737.5 | 858.4 | 513.3 | 393.7 | 338.7 | 306.1 | 288.5 | 284.5 |
| 3190.4 | 35° | 3086.8 | 2922.6 | 1735.1 | 840.0 | 473.4 | 348.3 | 291.7 | 258.2 | 244.7 | 247.1 |
| 3471.8 | 37.5° | 3365.8 | 3138.6 | 1718.4 | 811.4 | 440.7 | 306.8 | 251.1 | 221.6 | 209.6 | 210.4 |
| 3813.7 | 40° | 3690.2 | 3388.1 | 1708.0 | 757.2 | 404.9 | 268.6 | 217.6 | 193.7 | 184.9 | 181.7 |
| 4173.9 | 42.5° | 4036.1 | 3629.6 | 1709.6 | 695.8 | 360.2 | 234.3 | 194.5 | 174.5 | 166.6 | 164.2 |
| 4574.8 | 45° | 4383.6 | 3859.9 | 1712.0 | 632.0 | 313.2 | 208.0 | 177.7 | 161.0 | 156.2 | 153.0 |
| 4981.3 | 47.5° | 4710.3 | 4056.0 | 1667.3 | 563.5 | 267.0 | 188.1 | 164.2 | 153.0 | 149.0 | 145.1 |
| 5389.4 | 50° | 5014.8 | 4186.7 | 1559.8 | 483.8 | 230.3 | 172.2 | 153.8 | 145.9 | 141.9 | 137.9 |
| 5759.2 | 52.5° | 5251.5 | 4207.4 | 1382.0 | 401.7 | 204.8 | 160.2 | 147.4 | 140.3 | 135.5 | 131.5 |
| 6058.1 | 55° | 5356.7 | 4077.5 | 1129.4 | 325.2 | 184.9 | 149.8 | 141.1 | 133.9 | 128.3 | 124.3 |
| 6293.2 | 57.5° | 5329.6 | 3804.1 | 880.7 | 261.4 | 165.8 | 139.5 | 133.1 | 128.3 | 121.9 | 115.6 |
| 6483.7 | 60° | 5196.5 | 3438.3 | 663.9 | 217.6 | 148.2 | 128.3 | 124.3 | 120.3 | 111.6 | 102.0 |
| 6557.0 | 62.5° | 4966.2 | 2978.4 | 473.4 | 180.1 | 129.1 | 115.6 | 114.0 | 110.8 | 98.0 | 80.5 |
| 6448.6 | 65° | 4613.9 | 2419.7 | 318.8 | 149.8 | 110.8 | 101.2 | 102.0 | 96.4 | 79.7 | 59.8 |
| 6051.7 | 67.5° | 4099.0 | 1769.4 | 204.0 | 122.7 | 92.5 | 84.5 | 85.3 | 82.1 | 67.7 | 51.0 |
| 5299.3 | 70° | 3443.1 | 1171.6 | 133.1 | 93.3 | 74.1 | 65.4 | 70.1 | 70.9 | 57.4 | 41.4 |
| 4067.1 | 72.5° | 2524.1 | 691.8 | 93.3 | 69.3 | 54.2 | 45.4 | 57.4 | 59.0 | 46.2 | 31.1 |
| 2446.8 | 75° | 1438.6 | 328.4 | 70.1 | 50.2 | 33.5 | 31.9 | 44.6 | 44.6 | 31.9 | 20.7 |
| 1059.2 | 77.5° | 604.1 | 137.1 | 49.4 | 32.7 | 19.1 | 18.3 | 30.3 | 27.9 | 15.9 | 9.6 |
| 258.2 | 80° | 174.5 | 61.4 | 26.3 | 15.9 | 8.0 | 7.2 | 12.0 | 8.8 | 4.0 | 1.6 |
| 98.0 | 82.5° | 68.5 | 27.1 | 10.4 | 6.4 | 3.2 | 3.2 | 1.6 | 0.0 | 0.0 | 0.0 |
| 55.8 | 85° | 40.6 | 11.2 | 4.8 | 2.4 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12.0 | 87.5° | 10.4 | 2.4 | 1.6 | 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° |
|--------|
| 1382.8 |
| 1373.3 |
| 1314.3 |
| 1146.1 |
| 910.2 |
| 710.1 |
| 594.6 |
| 514.1 |
| 463.1 |
| 426.4 |
| 389.7 |
| 352.3 |
| 317.2 |
| 286.9 |
| 247.1 |
| 213.6 |
| 180.9 |
| 163.4 |
| 153.0 |
| 145.1 |
| 137.9 |
| 130.7 |
| 123.5 |
| 114.8 |
| 100.4 |
| 78.9 |
| 58.2 |
| 48.6 |
| 39.9 |
| 29.5 |
| 19.1 |
| 9.6 |
| 1.6 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |

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