

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: P846573

Luminaire Tested: **GLAN-SB2B-735-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846573
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2B-735-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10954 lumens
Efficiency: N/A
Efficacy: 148.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

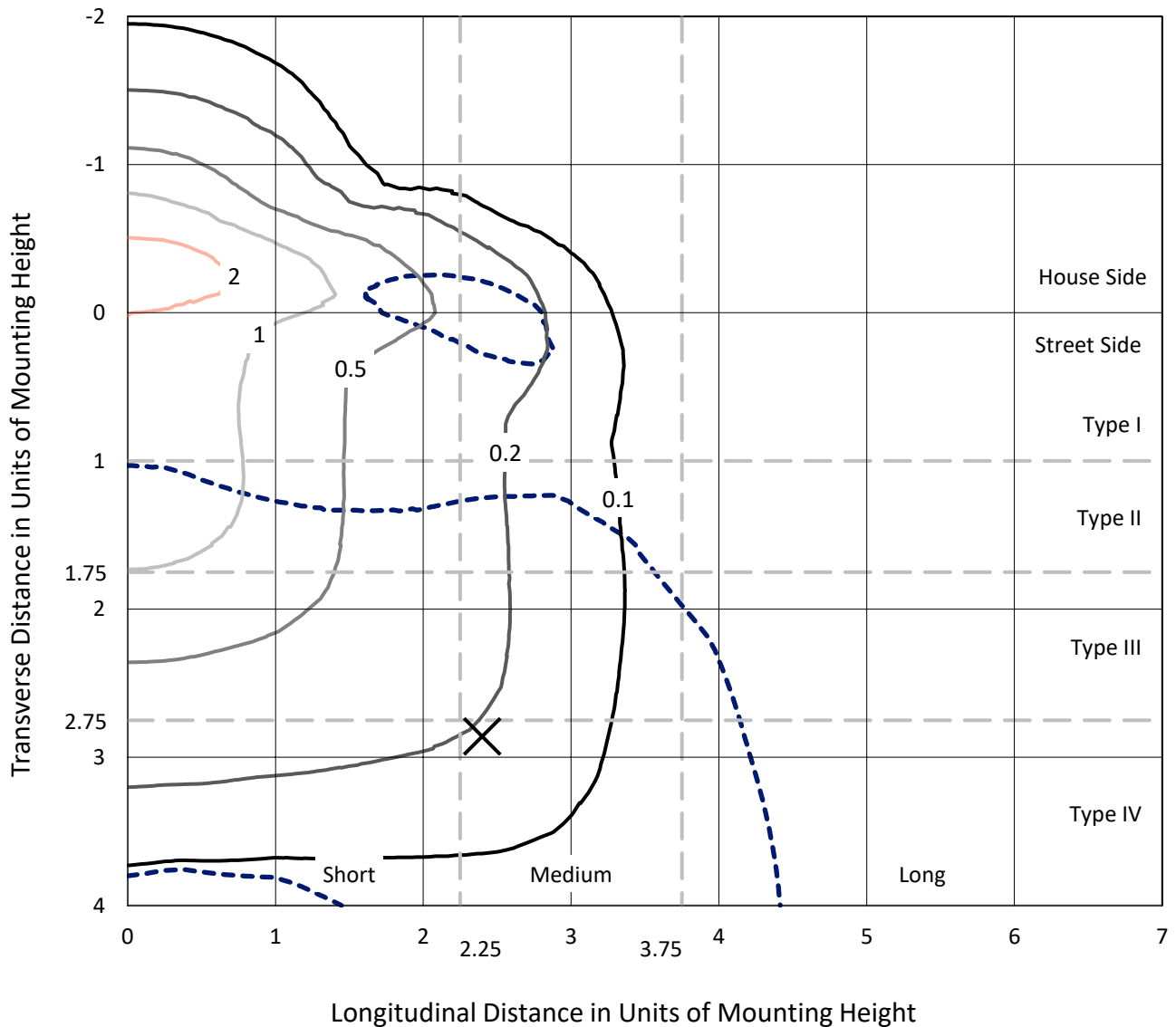
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

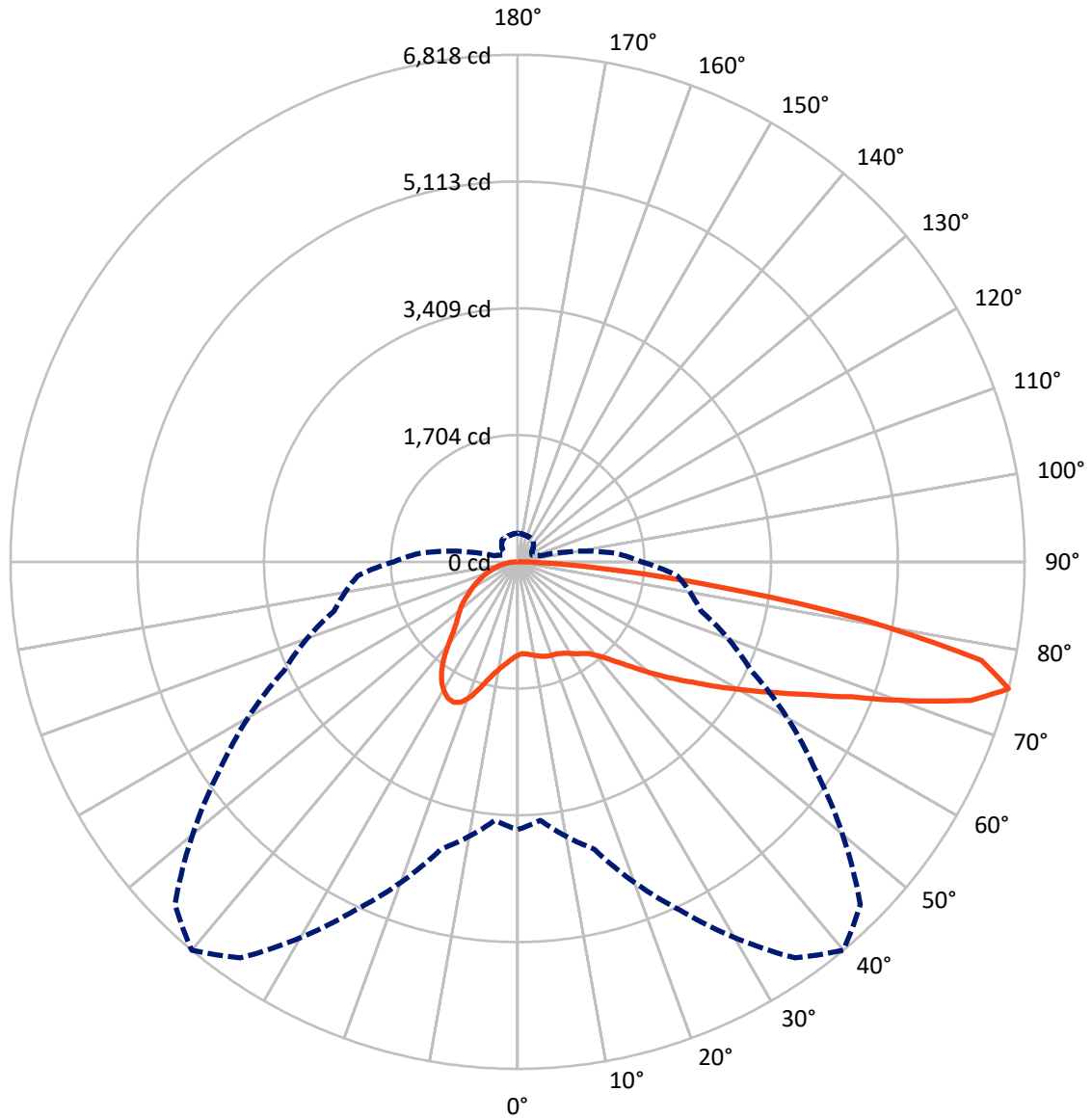
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 3393.9 | 0.0 | 3393.9 |
| | % Fixture | 31.0 | 0.0 | 31.0 |
| Street Side | Lumens | 7560.1 | 0.0 | 7560.1 |
| | % Fixture | 69.0 | 0.0 | 69.0 |
| Total | Lumens | 10954.0 | 0.0 | 10954.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 125.0 | 1.1 |
| 10°-20° | 419.8 | 3.8 |
| 20°-30° | 766.5 | 7.0 |
| 30°-40° | 1087.1 | 9.9 |
| 40°-50° | 1467.9 | 13.4 |
| 50°-60° | 1974.8 | 18.0 |
| 60°-70° | 2506.5 | 22.9 |
| 70°-80° | 2274.8 | 20.8 |
| 80°-90° | 331.6 | 3.0 |
| 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° | 10954.0 | 100.0 |
| 0°-180° | 10954.0 | 100.0 |

Coefficient of Utilization

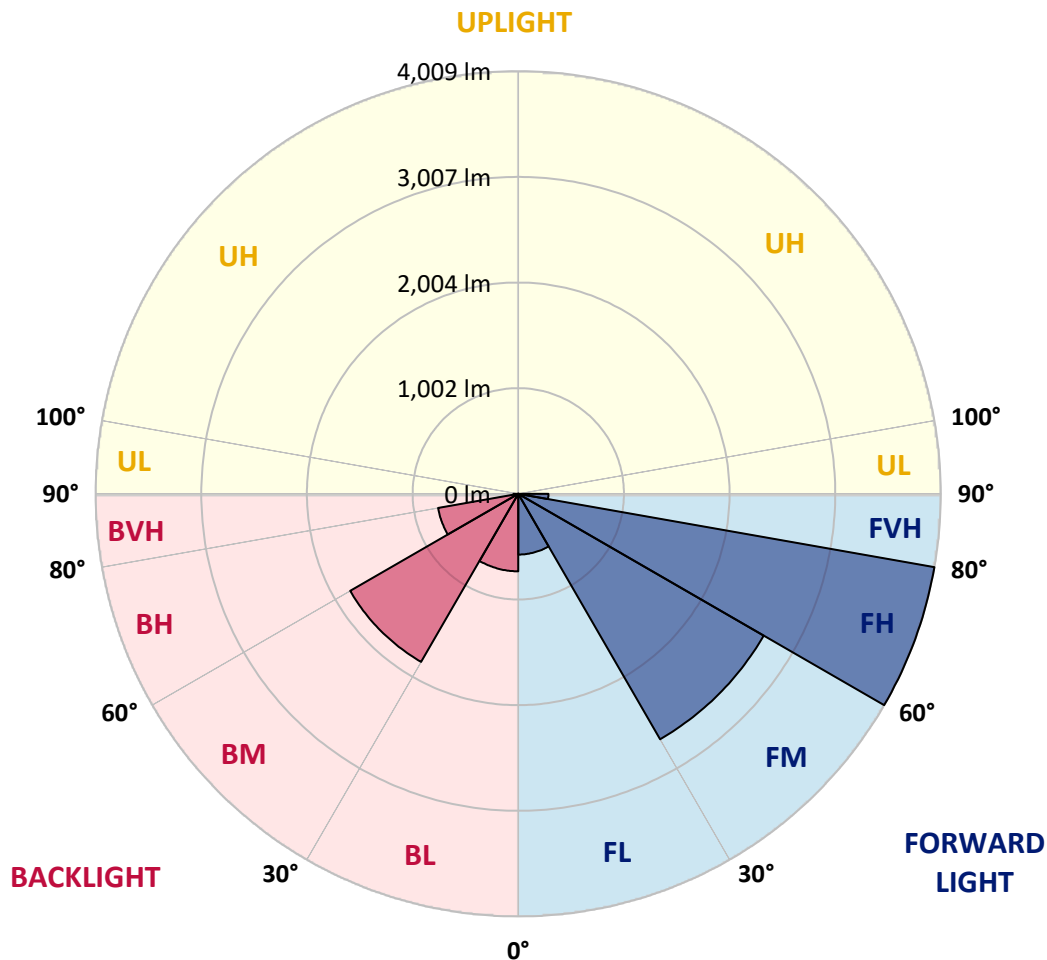


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 576.2 | 5.3 | | | |
| FM (30°-60°) | 2689.0 | 24.5 | | | |
| FH (60°-80°) | 4009.0 | 36.6 | | | G2/5000 |
| FVH (80°-90°) | 285.9 | 2.6 | | | G3/500 |
| BL (0°-30°) | 735.2 | 6.7 | B2/1000 | | |
| BM (30°-60°) | 1840.9 | 16.8 | B2/2500 | | |
| BH (60°-80°) | 772.2 | 7.0 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 45.7 | 0.4 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G3
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 40° | 45° | 55° | 65° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1252.6 | 1252.6 | 1252.6 | 1252.6 | 1252.6 | 1252.6 | 1252.6 | 1252.6 | 1252.6 | 1252.6 |
| 2.5° | 1233.4 | 1240.4 | 1238.7 | 1236.3 | 1236.3 | 1236.3 | 1236.3 | 1240.4 | 1244.5 | 1248.5 |
| 5° | 1246.2 | 1253.2 | 1249.7 | 1246.8 | 1244.5 | 1243.9 | 1242.1 | 1241.6 | 1243.9 | 1249.1 |
| 7.5° | 1271.2 | 1278.2 | 1272.9 | 1267.7 | 1263.1 | 1260.7 | 1258.4 | 1254.9 | 1253.2 | 1256.1 |
| 10° | 1299.1 | 1306.1 | 1299.7 | 1290.4 | 1282.8 | 1279.9 | 1277.6 | 1274.1 | 1271.8 | 1273.5 |
| 12.5° | 1327.0 | 1333.9 | 1325.2 | 1312.4 | 1302.6 | 1300.8 | 1297.9 | 1296.8 | 1296.2 | 1295.6 |
| 15° | 1353.1 | 1358.9 | 1347.9 | 1332.8 | 1322.3 | 1319.4 | 1316.5 | 1318.3 | 1321.2 | 1324.6 |
| 17.5° | 1373.4 | 1379.3 | 1363.0 | 1343.2 | 1333.4 | 1332.2 | 1330.5 | 1336.3 | 1344.4 | 1353.1 |
| 20° | 1392.0 | 1397.9 | 1376.9 | 1350.2 | 1338.6 | 1338.6 | 1339.2 | 1351.4 | 1363.0 | 1375.8 |
| 22.5° | 1418.2 | 1422.8 | 1397.3 | 1360.7 | 1343.8 | 1345.0 | 1349.6 | 1361.8 | 1376.4 | 1393.8 |
| 25° | 1457.1 | 1460.6 | 1429.2 | 1380.4 | 1361.2 | 1364.7 | 1368.8 | 1374.6 | 1388.6 | 1408.9 |
| 27.5° | 1519.9 | 1522.8 | 1481.5 | 1415.3 | 1386.2 | 1392.0 | 1397.9 | 1393.8 | 1400.2 | 1417.6 |
| 30° | 1608.2 | 1609.9 | 1557.6 | 1469.9 | 1428.6 | 1431.5 | 1432.7 | 1415.9 | 1403.7 | 1417.6 |
| 32.5° | 1712.7 | 1712.2 | 1650.0 | 1536.1 | 1476.9 | 1474.0 | 1464.1 | 1431.0 | 1402.5 | 1414.7 |
| 35° | 1874.8 | 1868.4 | 1788.3 | 1629.1 | 1531.5 | 1513.5 | 1490.2 | 1447.8 | 1408.3 | 1411.8 |
| 37.5° | 2143.3 | 2123.5 | 2012.5 | 1781.3 | 1612.8 | 1566.9 | 1532.6 | 1475.1 | 1421.1 | 1410.6 |
| 40° | 2445.9 | 2421.0 | 2299.0 | 1989.9 | 1734.8 | 1661.0 | 1605.8 | 1514.0 | 1442.0 | 1415.9 |
| 42.5° | 2805.0 | 2769.6 | 2638.3 | 2235.6 | 1889.4 | 1782.5 | 1699.4 | 1563.4 | 1472.8 | 1432.7 |
| 45° | 3246.0 | 3198.9 | 3013.0 | 2512.8 | 2084.0 | 1941.7 | 1830.7 | 1638.4 | 1519.9 | 1465.2 |
| 47.5° | 3691.6 | 3703.2 | 3438.9 | 2830.0 | 2317.6 | 2138.0 | 1995.1 | 1751.1 | 1588.4 | 1517.5 |
| 50° | 4165.1 | 4173.2 | 3862.4 | 3181.5 | 2582.5 | 2360.0 | 2179.9 | 1877.2 | 1683.7 | 1591.9 |
| 52.5° | 4534.6 | 4535.8 | 4247.0 | 3549.2 | 2858.4 | 2604.0 | 2379.1 | 2021.2 | 1794.1 | 1690.7 |
| 55° | 4765.8 | 4762.9 | 4516.6 | 3897.2 | 3175.7 | 2860.2 | 2599.9 | 2185.1 | 1928.9 | 1806.9 |
| 57.5° | 4933.7 | 4925.0 | 4702.5 | 4196.5 | 3513.8 | 3162.9 | 2849.7 | 2371.0 | 2088.1 | 1945.1 |
| 60° | 4997.6 | 4992.4 | 4828.6 | 4455.0 | 3869.4 | 3497.5 | 3137.9 | 2579.0 | 2268.7 | 2108.4 |
| 62.5° | 5022.0 | 5031.9 | 4952.3 | 4705.4 | 4249.9 | 3868.2 | 3454.5 | 2827.7 | 2472.1 | 2293.1 |
| 65° | 5108.0 | 5126.0 | 5109.8 | 5033.1 | 4679.8 | 4302.2 | 3874.6 | 3123.4 | 2694.0 | 2491.3 |
| 67.5° | 5278.3 | 5296.3 | 5303.2 | 5425.2 | 5205.0 | 4843.1 | 4398.6 | 3491.7 | 2953.7 | 2696.9 |
| 70° | 5274.2 | 5269.0 | 5392.1 | 5737.2 | 5862.7 | 5592.0 | 5105.1 | 3944.9 | 3263.4 | 2867.7 |
| 72.5° | 4800.7 | 4758.9 | 5049.9 | 5733.7 | 6410.0 | 6374.0 | 5967.9 | 4529.4 | 3530.6 | 2888.7 |
| 75° | 3601.5 | 3490.0 | 4004.2 | 5167.3 | 6501.2 | 6817.9 | 6516.3 | 4891.9 | 3467.3 | 2552.3 |
| 77.5° | 1540.2 | 1428.1 | 2034.0 | 3825.2 | 5818.6 | 6373.4 | 6013.2 | 4267.9 | 2767.8 | 1687.8 |
| 80° | 403.2 | 402.6 | 614.7 | 1734.2 | 3957.1 | 4706.6 | 4129.1 | 2756.2 | 1581.4 | 603.1 |
| 82.5° | 166.7 | 162.7 | 226.0 | 674.5 | 1933.5 | 2641.2 | 2155.5 | 1229.4 | 571.1 | 163.3 |
| 85° | 62.2 | 61.6 | 109.8 | 233.0 | 682.1 | 1089.3 | 788.4 | 314.3 | 142.3 | 79.6 |
| 87.5° | 17.4 | 16.8 | 23.8 | 80.8 | 166.2 | 252.1 | 134.8 | 51.7 | 40.1 | 31.4 |
| 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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 CATALOG NUMBER: GLAN-SB2B-735-U-SL4

CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1252.6 | 0° | 1252.6 | 1252.6 | 1252.6 | 1252.6 | 1252.6 | 1252.6 | 1252.6 | 1252.6 | 1252.6 | 1252.6 |
| 1254.9 | 2.5° | 1256.7 | 1259.6 | 1264.8 | 1268.9 | 1274.1 | 1279.9 | 1288.0 | 1293.3 | 1298.5 | 1302.0 |
| 1257.8 | 5° | 1261.9 | 1268.3 | 1281.7 | 1295.0 | 1310.7 | 1325.2 | 1342.1 | 1354.3 | 1364.2 | 1367.1 |
| 1268.3 | 7.5° | 1273.5 | 1284.0 | 1306.6 | 1329.3 | 1354.3 | 1378.1 | 1402.5 | 1423.4 | 1440.3 | 1446.7 |
| 1286.9 | 10° | 1293.9 | 1307.8 | 1339.8 | 1371.7 | 1404.8 | 1441.4 | 1472.8 | 1503.0 | 1526.8 | 1536.7 |
| 1309.0 | 12.5° | 1319.4 | 1336.8 | 1378.7 | 1422.8 | 1468.7 | 1519.3 | 1559.9 | 1597.1 | 1626.8 | 1640.1 |
| 1339.8 | 15° | 1352.5 | 1375.2 | 1428.6 | 1487.9 | 1555.3 | 1625.6 | 1677.3 | 1718.6 | 1751.7 | 1767.9 |
| 1371.7 | 17.5° | 1388.6 | 1418.8 | 1486.2 | 1575.6 | 1672.1 | 1764.5 | 1824.9 | 1855.1 | 1889.4 | 1905.1 |
| 1401.3 | 20° | 1423.4 | 1460.6 | 1557.0 | 1687.2 | 1815.6 | 1913.8 | 1962.6 | 1970.7 | 1973.0 | 1974.8 |
| 1429.2 | 22.5° | 1459.4 | 1509.4 | 1645.9 | 1827.8 | 1965.5 | 2033.4 | 2040.4 | 2005.6 | 1956.8 | 1934.1 |
| 1456.5 | 25° | 1498.9 | 1565.2 | 1762.1 | 1982.9 | 2094.5 | 2102.6 | 2049.1 | 1964.3 | 1871.9 | 1829.5 |
| 1478.6 | 27.5° | 1537.3 | 1629.7 | 1901.6 | 2131.1 | 2187.4 | 2115.9 | 2000.9 | 1880.6 | 1769.1 | 1724.4 |
| 1494.3 | 30° | 1575.6 | 1703.4 | 2055.5 | 2260.6 | 2229.8 | 2082.8 | 1924.8 | 1790.6 | 1678.5 | 1631.4 |
| 1508.2 | 32.5° | 1614.6 | 1789.4 | 2232.7 | 2354.2 | 2222.3 | 2012.5 | 1830.1 | 1689.5 | 1590.7 | 1541.4 |
| 1520.4 | 35° | 1658.7 | 1895.2 | 2400.6 | 2405.3 | 2171.7 | 1909.1 | 1705.2 | 1568.7 | 1482.7 | 1443.2 |
| 1535.0 | 37.5° | 1716.2 | 2029.4 | 2548.8 | 2418.1 | 2083.4 | 1757.5 | 1550.1 | 1425.7 | 1354.9 | 1336.8 |
| 1556.5 | 40° | 1787.7 | 2190.9 | 2662.1 | 2397.7 | 1952.7 | 1573.3 | 1380.4 | 1281.1 | 1241.0 | 1245.1 |
| 1585.5 | 42.5° | 1880.6 | 2371.6 | 2741.7 | 2345.4 | 1770.8 | 1383.3 | 1231.7 | 1187.5 | 1206.7 | 1223.0 |
| 1629.1 | 45° | 2001.5 | 2559.2 | 2791.1 | 2256.5 | 1565.2 | 1222.4 | 1144.0 | 1154.4 | 1168.9 | 1170.7 |
| 1699.4 | 47.5° | 2156.0 | 2749.2 | 2823.6 | 2122.3 | 1355.4 | 1109.1 | 1088.2 | 1090.5 | 1087.6 | 1075.4 |
| 1804.5 | 50° | 2348.9 | 2934.0 | 2852.6 | 1944.6 | 1177.1 | 1038.2 | 1010.3 | 1002.2 | 962.1 | 922.6 |
| 1944.6 | 52.5° | 2568.5 | 3103.6 | 2864.8 | 1723.8 | 1038.2 | 979.0 | 933.6 | 882.5 | 807.6 | 795.4 |
| 2120.6 | 55° | 2812.6 | 3260.5 | 2833.5 | 1452.5 | 921.4 | 902.9 | 834.3 | 772.7 | 764.6 | 754.1 |
| 2352.4 | 57.5° | 3104.2 | 3429.6 | 2769.6 | 1149.8 | 801.8 | 814.0 | 747.1 | 754.1 | 739.6 | 723.3 |
| 2650.5 | 60° | 3423.2 | 3604.4 | 2657.4 | 873.8 | 678.0 | 703.0 | 724.5 | 723.9 | 719.8 | 706.5 |
| 2964.8 | 62.5° | 3710.2 | 3719.5 | 2436.7 | 669.3 | 569.4 | 617.0 | 675.7 | 675.1 | 671.6 | 664.1 |
| 3293.0 | 65° | 3881.0 | 3702.0 | 2068.3 | 527.0 | 479.9 | 546.1 | 609.5 | 614.1 | 614.7 | 614.1 |
| 3539.9 | 67.5° | 3850.8 | 3498.1 | 1562.9 | 419.5 | 406.1 | 474.1 | 543.8 | 550.2 | 554.8 | 556.0 |
| 3571.3 | 70° | 3509.2 | 3050.2 | 1019.0 | 334.6 | 340.5 | 410.8 | 481.6 | 488.0 | 492.1 | 496.7 |
| 3099.0 | 72.5° | 2735.3 | 2242.6 | 583.3 | 270.7 | 282.9 | 356.1 | 420.1 | 427.6 | 429.9 | 438.6 |
| 2156.6 | 75° | 1666.8 | 1318.8 | 314.9 | 213.2 | 232.4 | 304.4 | 359.0 | 367.8 | 371.8 | 382.3 |
| 1059.1 | 77.5° | 792.5 | 571.1 | 179.5 | 166.2 | 187.1 | 248.7 | 303.3 | 313.2 | 302.1 | 307.9 |
| 292.2 | 80° | 267.8 | 212.1 | 113.3 | 126.7 | 142.9 | 194.0 | 242.9 | 252.7 | 229.5 | 228.3 |
| 97.0 | 82.5° | 93.5 | 86.0 | 72.0 | 84.2 | 92.4 | 138.9 | 183.6 | 196.4 | 170.8 | 170.2 |
| 43.6 | 85° | 36.6 | 34.9 | 40.1 | 45.9 | 55.2 | 85.4 | 120.8 | 127.2 | 105.2 | 84.8 |
| 12.8 | 87.5° | 7.6 | 8.1 | 9.9 | 10.5 | 16.8 | 29.6 | 43.6 | 53.5 | 42.4 | 36.0 |
| 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° |
|--------|
| 1252.6 |
| 1299.7 |
| 1368.2 |
| 1447.2 |
| 1537.3 |
| 1640.1 |
| 1766.8 |
| 1904.5 |
| 1979.4 |
| 1940.5 |
| 1835.9 |
| 1729.6 |
| 1636.6 |
| 1547.7 |
| 1451.9 |
| 1349.6 |
| 1259.0 |
| 1238.1 |
| 1182.3 |
| 1084.7 |
| 927.8 |
| 799.4 |
| 755.9 |
| 720.4 |
| 701.8 |
| 661.2 |
| 614.1 |
| 557.2 |
| 499.1 |
| 442.1 |
| 383.5 |
| 303.3 |
| 226.0 |
| 162.1 |
| 83.7 |
| 33.1 |
| 0.0 |

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