

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: P852224

Luminaire Tested: **GLAN-SB2B-735-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852224
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2B-735-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8367 lumens
Efficiency: N/A
Efficacy: 113.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

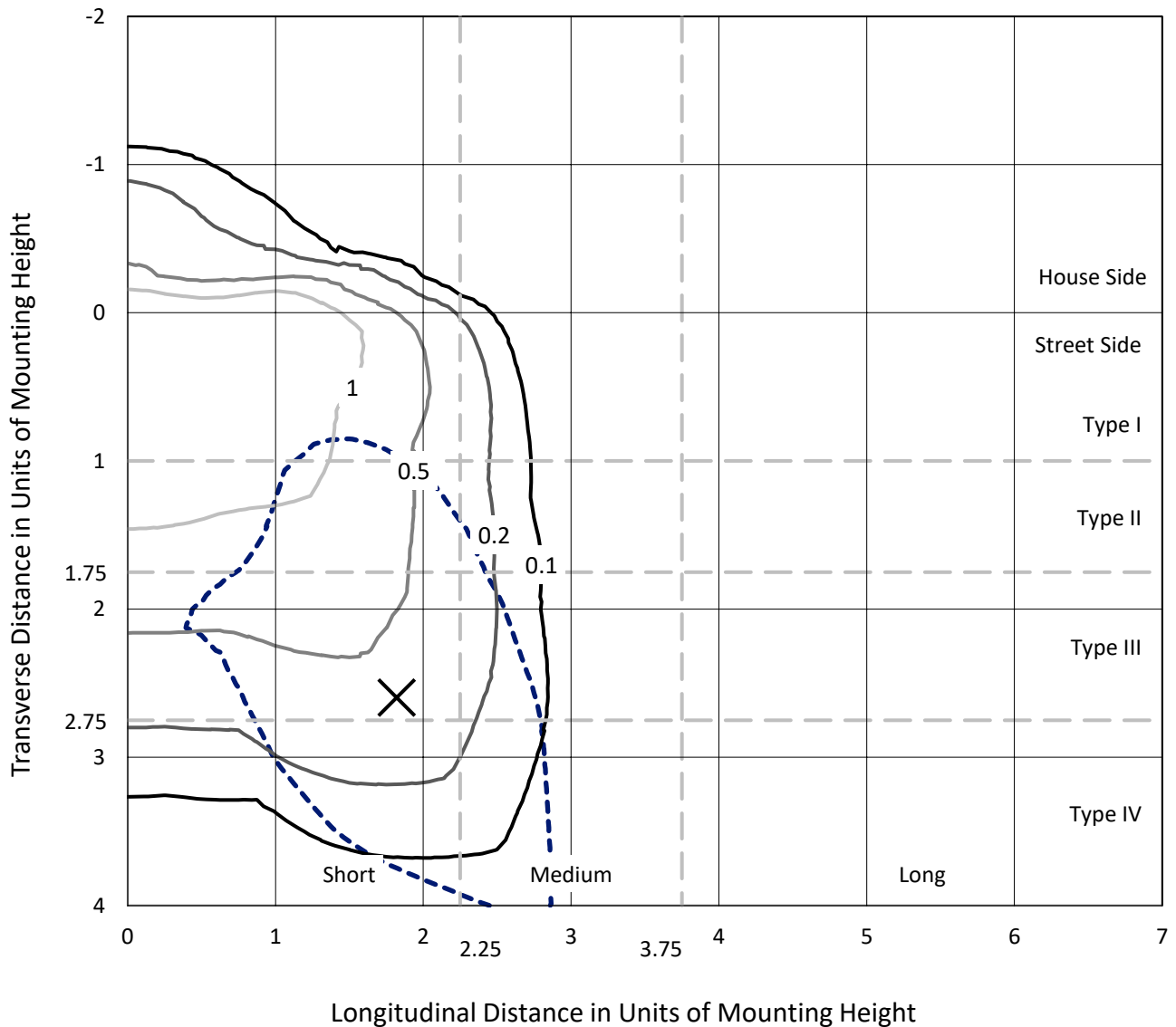
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

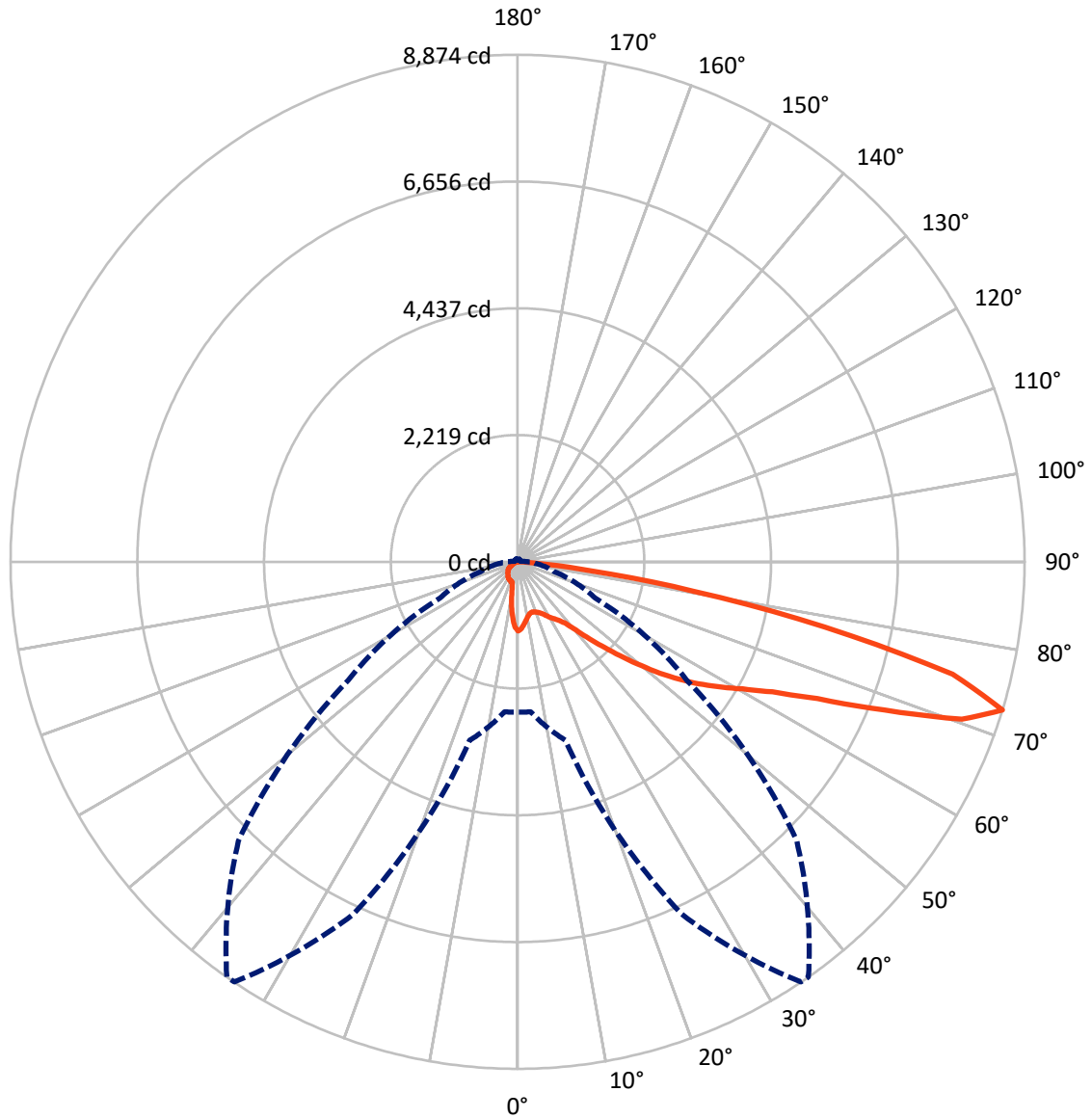
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 941.7 | 0.0 | 941.7 |
| | % Fixture | 11.3 | 0.0 | 11.3 |
| Street Side | Lumens | 7425.3 | 0.0 | 7425.3 |
| | % Fixture | 88.7 | 0.0 | 88.7 |
| Total | Lumens | 8367.0 | 0.0 | 8367.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 99.6 | 1.2 |
| 10°-20° | 233.1 | 2.8 |
| 20°-30° | 378.7 | 4.5 |
| 30°-40° | 631.8 | 7.6 |
| 40°-50° | 1195.5 | 14.3 |
| 50°-60° | 1899.6 | 22.7 |
| 60°-70° | 2349.9 | 28.1 |
| 70°-80° | 1460.7 | 17.5 |
| 80°-90° | 118.0 | 1.4 |
| 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° | 8367.0 | 100.0 |
| 0°-180° | 8367.0 | 100.0 |

Coefficient of Utilization



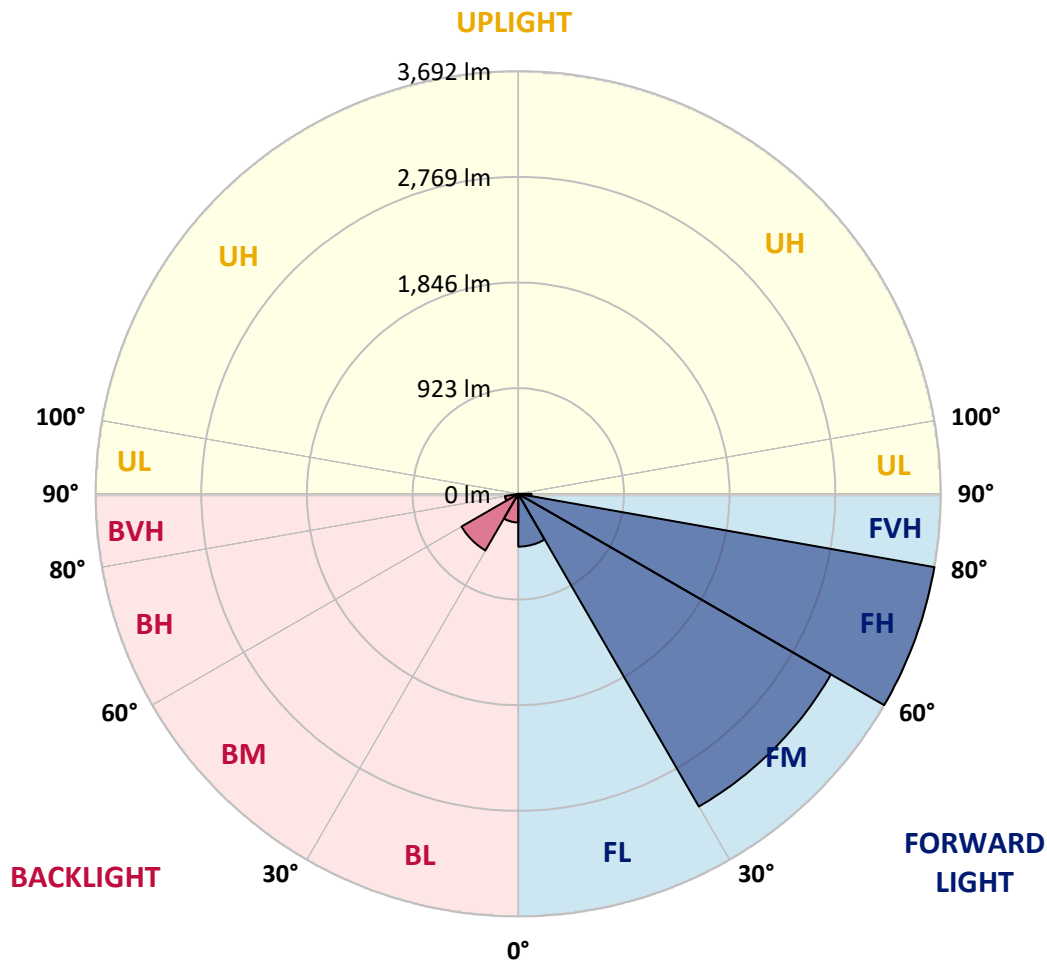
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 461.2 | 5.5 | | | |
| FM (30°-60°) | 3155.2 | 37.7 | | | |
| FH (60°-80°) | 3692.5 | 44.1 | | | G2/5000 |
| FVH (80°-90°) | 116.4 | 1.4 | | | G2/225 |
| BL (0°-30°) | 250.2 | 3.0 | B1/500 | | |
| BM (30°-60°) | 571.7 | 6.8 | B1/1000 | | |
| BH (60°-80°) | 118.2 | 1.4 | B1/500 | | G1/500 |
| BVH (80°-90°) | 1.6 | 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 IV Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 34° | 35° | 45° | 55° | 65° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1212.7 | 1212.7 | 1212.7 | 1212.7 | 1212.7 | 1212.7 | 1212.7 | 1212.7 | 1212.7 | 1212.7 |
| 2.5° | 1158.7 | 1168.5 | 1170.4 | 1173.4 | 1173.4 | 1177.1 | 1183.2 | 1191.8 | 1205.9 | 1213.3 |
| 5° | 1068.0 | 1075.3 | 1084.5 | 1091.9 | 1106.0 | 1107.8 | 1131.7 | 1155.0 | 1187.5 | 1212.0 |
| 7.5° | 976.6 | 985.2 | 997.5 | 1015.2 | 1033.6 | 1039.2 | 1075.3 | 1114.6 | 1166.1 | 1212.0 |
| 10° | 912.3 | 912.9 | 923.9 | 941.7 | 971.1 | 977.9 | 1022.0 | 1077.8 | 1142.2 | 1204.7 |
| 12.5° | 876.1 | 880.4 | 885.3 | 898.8 | 927.0 | 931.3 | 978.5 | 1044.1 | 1118.2 | 1200.4 |
| 15° | 876.1 | 879.1 | 882.2 | 889.0 | 911.6 | 915.3 | 957.0 | 1022.6 | 1106.0 | 1202.2 |
| 17.5° | 885.3 | 890.2 | 887.7 | 895.7 | 919.6 | 922.1 | 958.8 | 1016.5 | 1105.4 | 1213.9 |
| 20° | 907.3 | 911.0 | 906.1 | 911.0 | 934.9 | 939.8 | 977.9 | 1028.1 | 1115.8 | 1234.1 |
| 22.5° | 942.3 | 944.1 | 932.5 | 936.2 | 960.7 | 966.8 | 1011.0 | 1061.2 | 1140.9 | 1266.6 |
| 25° | 986.4 | 990.1 | 972.3 | 976.6 | 999.9 | 1007.3 | 1058.2 | 1110.9 | 1180.8 | 1311.4 |
| 27.5° | 1037.3 | 1039.2 | 1023.8 | 1023.2 | 1053.3 | 1063.7 | 1115.2 | 1172.2 | 1234.1 | 1367.8 |
| 30° | 1095.6 | 1101.1 | 1086.4 | 1083.9 | 1121.9 | 1130.5 | 1181.4 | 1247.6 | 1312.6 | 1452.4 |
| 32.5° | 1141.5 | 1145.8 | 1137.3 | 1143.4 | 1182.0 | 1188.7 | 1261.7 | 1354.3 | 1435.8 | 1572.5 |
| 35° | 1207.8 | 1210.2 | 1190.6 | 1201.6 | 1245.8 | 1262.9 | 1371.4 | 1503.9 | 1590.9 | 1723.3 |
| 37.5° | 1447.5 | 1447.5 | 1364.1 | 1309.5 | 1351.8 | 1367.2 | 1521.6 | 1692.1 | 1782.2 | 1925.7 |
| 40° | 1779.1 | 1773.6 | 1651.6 | 1540.0 | 1534.5 | 1564.6 | 1735.6 | 1929.3 | 2029.3 | 2168.4 |
| 42.5° | 2132.9 | 2124.3 | 1958.2 | 1847.8 | 1829.4 | 1839.8 | 1982.7 | 2221.8 | 2323.5 | 2464.6 |
| 45° | 2446.8 | 2444.3 | 2292.3 | 2143.9 | 2110.8 | 2143.9 | 2291.1 | 2563.9 | 2636.8 | 2785.2 |
| 47.5° | 2709.8 | 2709.8 | 2598.8 | 2502.0 | 2484.8 | 2504.4 | 2708.6 | 2943.4 | 2936.6 | 3126.7 |
| 50° | 3012.6 | 3010.2 | 2904.7 | 2863.1 | 2880.8 | 2908.4 | 3189.2 | 3343.1 | 3246.8 | 3462.0 |
| 52.5° | 3224.8 | 3239.5 | 3203.3 | 3196.6 | 3287.3 | 3335.1 | 3677.2 | 3734.2 | 3524.6 | 3780.2 |
| 55° | 3392.7 | 3409.9 | 3451.6 | 3498.8 | 3673.5 | 3736.1 | 4149.9 | 4105.1 | 3756.9 | 4056.1 |
| 57.5° | 3630.6 | 3606.1 | 3670.5 | 3763.7 | 4046.3 | 4121.7 | 4607.9 | 4455.2 | 3943.9 | 4279.9 |
| 60° | 3919.4 | 3923.1 | 3934.1 | 4051.8 | 4418.4 | 4515.3 | 5059.1 | 4786.3 | 4064.1 | 4417.2 |
| 62.5° | 4266.4 | 4271.9 | 4294.6 | 4475.4 | 4918.1 | 5009.4 | 5539.7 | 5057.2 | 4119.2 | 4378.6 |
| 65° | 4242.5 | 4265.8 | 4519.0 | 5137.6 | 5677.7 | 5767.8 | 6100.7 | 5247.3 | 4035.9 | 4025.4 |
| 67.5° | 3864.8 | 3902.8 | 4326.5 | 5928.4 | 6822.9 | 6923.4 | 6778.8 | 5284.7 | 3676.0 | 3130.4 |
| 70° | 3369.5 | 3382.9 | 3892.4 | 6639.6 | 8149.0 | 8250.7 | 7385.7 | 4873.3 | 2789.5 | 1746.0 |
| 72.5° | 2631.3 | 2634.4 | 3232.1 | 6804.5 | 8868.7 | 8874.2 | 6909.3 | 3617.7 | 1500.2 | 670.7 |
| 75° | 1879.7 | 1861.3 | 2164.8 | 5518.3 | 7802.6 | 7865.1 | 5179.9 | 1697.0 | 573.2 | 317.0 |
| 77.5° | 1007.9 | 1028.1 | 1224.9 | 3272.6 | 5390.1 | 5496.8 | 2826.3 | 489.2 | 291.8 | 215.8 |
| 80° | 311.4 | 328.6 | 502.1 | 1498.4 | 3053.1 | 3117.5 | 1047.7 | 217.6 | 203.5 | 153.9 |
| 82.5° | 98.1 | 101.8 | 234.2 | 629.6 | 1267.2 | 1296.6 | 303.5 | 123.2 | 139.2 | 101.8 |
| 85° | 28.2 | 28.8 | 104.2 | 234.8 | 313.3 | 319.4 | 85.2 | 47.8 | 79.7 | 63.1 |
| 87.5° | 3.1 | 9.8 | 39.2 | 39.2 | 27.6 | 27.0 | 9.2 | 10.4 | 22.7 | 8.0 |
| 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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CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1212.7 | 0° | 1212.7 | 1212.7 | 1212.7 | 1212.7 | 1212.7 | 1212.7 | 1212.7 | 1212.7 | 1212.7 | 1212.7 |
| 1218.2 | 2.5° | 1215.1 | 1215.7 | 1207.8 | 1194.3 | 1179.6 | 1167.3 | 1152.0 | 1139.7 | 1131.1 | 1128.7 |
| 1229.2 | 5° | 1223.7 | 1219.4 | 1196.7 | 1155.6 | 1106.6 | 1064.3 | 1017.1 | 979.7 | 955.2 | 944.7 |
| 1240.9 | 7.5° | 1236.6 | 1224.3 | 1174.6 | 1093.7 | 999.9 | 916.5 | 831.9 | 766.3 | 724.7 | 703.8 |
| 1251.9 | 10° | 1247.6 | 1223.1 | 1137.9 | 1004.2 | 860.8 | 734.5 | 620.4 | 541.3 | 497.2 | 476.4 |
| 1264.8 | 12.5° | 1258.0 | 1222.5 | 1090.0 | 898.2 | 703.8 | 549.3 | 443.3 | 404.0 | 391.8 | 387.5 |
| 1285.6 | 15° | 1277.6 | 1224.3 | 1030.0 | 776.8 | 547.5 | 415.1 | 376.4 | 375.8 | 378.3 | 377.0 |
| 1317.5 | 17.5° | 1304.6 | 1226.1 | 961.9 | 648.0 | 422.4 | 366.0 | 364.2 | 369.7 | 373.4 | 371.5 |
| 1357.3 | 20° | 1339.6 | 1233.5 | 889.6 | 520.5 | 362.9 | 353.7 | 358.0 | 362.9 | 366.0 | 362.9 |
| 1410.7 | 22.5° | 1388.6 | 1246.4 | 810.5 | 418.1 | 343.9 | 346.4 | 350.1 | 355.6 | 358.6 | 354.4 |
| 1478.7 | 25° | 1448.7 | 1266.6 | 732.6 | 363.6 | 334.7 | 337.8 | 343.3 | 349.5 | 353.1 | 348.8 |
| 1564.6 | 27.5° | 1526.6 | 1299.1 | 660.9 | 351.3 | 325.5 | 327.4 | 335.4 | 344.5 | 349.5 | 343.9 |
| 1686.6 | 30° | 1639.4 | 1352.4 | 599.0 | 356.8 | 320.0 | 315.7 | 326.8 | 339.6 | 345.2 | 340.3 |
| 1852.7 | 32.5° | 1788.9 | 1427.8 | 561.0 | 365.4 | 317.6 | 302.2 | 312.7 | 329.2 | 338.4 | 335.4 |
| 2069.7 | 35° | 1985.1 | 1542.5 | 546.2 | 375.2 | 315.7 | 288.1 | 295.5 | 313.3 | 329.2 | 332.3 |
| 2343.2 | 37.5° | 2223.0 | 1701.9 | 550.5 | 379.5 | 310.2 | 276.5 | 280.2 | 295.5 | 316.3 | 326.2 |
| 2650.9 | 40° | 2493.4 | 1887.7 | 575.1 | 375.2 | 304.1 | 266.7 | 267.3 | 278.9 | 297.3 | 312.1 |
| 2982.0 | 42.5° | 2772.3 | 2104.7 | 620.4 | 359.3 | 298.6 | 258.1 | 256.3 | 264.2 | 276.5 | 286.9 |
| 3312.4 | 45° | 3037.8 | 2327.8 | 665.2 | 337.2 | 291.8 | 249.5 | 245.2 | 248.3 | 250.7 | 255.0 |
| 3634.3 | 47.5° | 3269.5 | 2484.8 | 652.3 | 317.0 | 282.6 | 239.7 | 232.4 | 231.1 | 223.8 | 223.2 |
| 3921.8 | 50° | 3429.5 | 2519.1 | 579.4 | 296.7 | 269.1 | 228.7 | 217.0 | 209.7 | 196.8 | 190.7 |
| 4137.0 | 52.5° | 3480.4 | 2383.6 | 473.3 | 276.5 | 247.1 | 214.0 | 197.4 | 185.8 | 169.8 | 164.3 |
| 4260.9 | 55° | 3413.0 | 2118.2 | 378.3 | 252.0 | 216.4 | 194.3 | 176.0 | 160.6 | 147.8 | 141.0 |
| 4274.3 | 57.5° | 3248.1 | 1780.4 | 299.2 | 223.2 | 183.9 | 172.3 | 153.9 | 138.6 | 127.5 | 120.8 |
| 4124.8 | 60° | 2974.6 | 1413.7 | 236.6 | 188.8 | 156.9 | 148.4 | 129.4 | 119.5 | 109.7 | 101.8 |
| 3738.5 | 62.5° | 2559.6 | 1009.1 | 185.8 | 149.6 | 131.2 | 121.4 | 110.4 | 103.0 | 91.3 | 80.3 |
| 3043.9 | 65° | 1997.4 | 617.4 | 143.5 | 109.7 | 105.4 | 100.5 | 93.8 | 87.1 | 73.0 | 61.9 |
| 1985.7 | 67.5° | 1259.9 | 292.4 | 102.4 | 82.8 | 83.4 | 80.9 | 77.9 | 72.3 | 61.9 | 52.1 |
| 889.6 | 70° | 554.8 | 141.6 | 67.4 | 63.1 | 61.9 | 61.9 | 64.4 | 62.5 | 52.7 | 43.5 |
| 309.0 | 72.5° | 188.8 | 76.0 | 50.3 | 47.8 | 44.8 | 44.1 | 54.0 | 52.1 | 42.3 | 33.7 |
| 153.9 | 75° | 98.7 | 50.9 | 36.8 | 34.3 | 27.0 | 32.5 | 42.9 | 40.5 | 30.0 | 22.1 |
| 101.8 | 77.5° | 64.4 | 36.2 | 25.1 | 22.1 | 15.3 | 21.5 | 31.9 | 28.2 | 17.8 | 11.0 |
| 66.8 | 80° | 40.5 | 23.9 | 14.7 | 10.4 | 7.4 | 11.6 | 17.2 | 12.3 | 6.7 | 2.5 |
| 39.2 | 82.5° | 21.5 | 12.3 | 5.5 | 3.7 | 3.1 | 3.7 | 4.3 | 3.1 | 1.2 | 0.0 |
| 20.2 | 85° | 8.6 | 4.3 | 1.8 | 1.2 | 0.6 | 0.0 | 1.2 | 0.6 | 0.0 | 0.0 |
| 3.7 | 87.5° | 3.1 | 0.6 | 0.0 | 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/> |
| 1212.7 |
| 1133.0 |
| 948.4 |
| 706.9 |
| 477.0 |
| 386.2 |
| 376.4 |
| 370.9 |
| 362.3 |
| 353.7 |
| 348.2 |
| 343.9 |
| 339.6 |
| 335.4 |
| 332.3 |
| 328.6 |
| 317.0 |
| 291.2 |
| 257.5 |
| 222.5 |
| 191.3 |
| 163.7 |
| 141.0 |
| 119.5 |
| 99.9 |
| 78.5 |
| 60.1 |
| 50.9 |
| 41.7 |
| 31.9 |
| 20.2 |
| 9.8 |
| 1.8 |
| 0.0 |
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