

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: P853038

Luminaire Tested: **GLAN-SB8B-730-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853038
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-SB8B-730-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3000K, 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: 33302 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

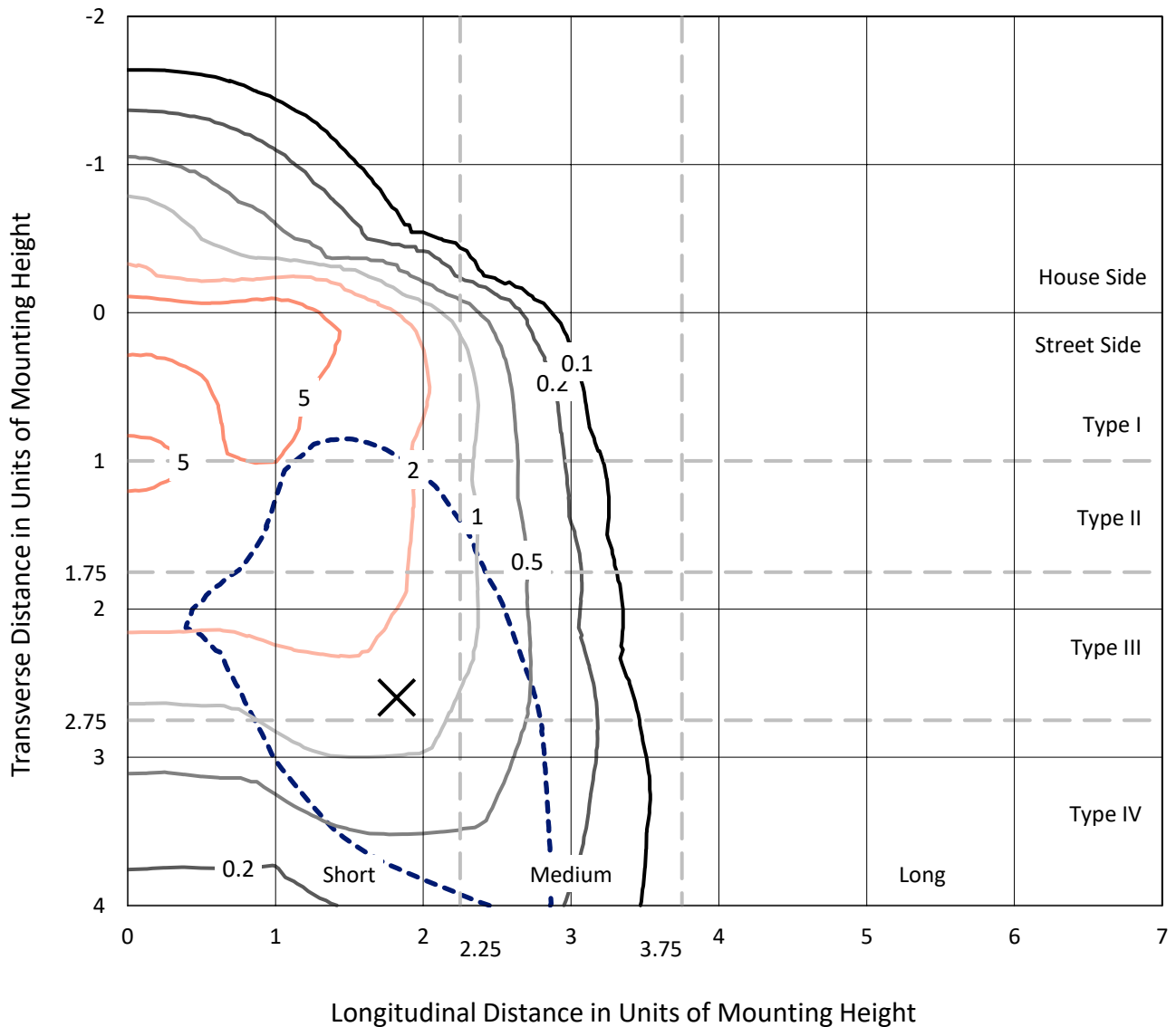
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

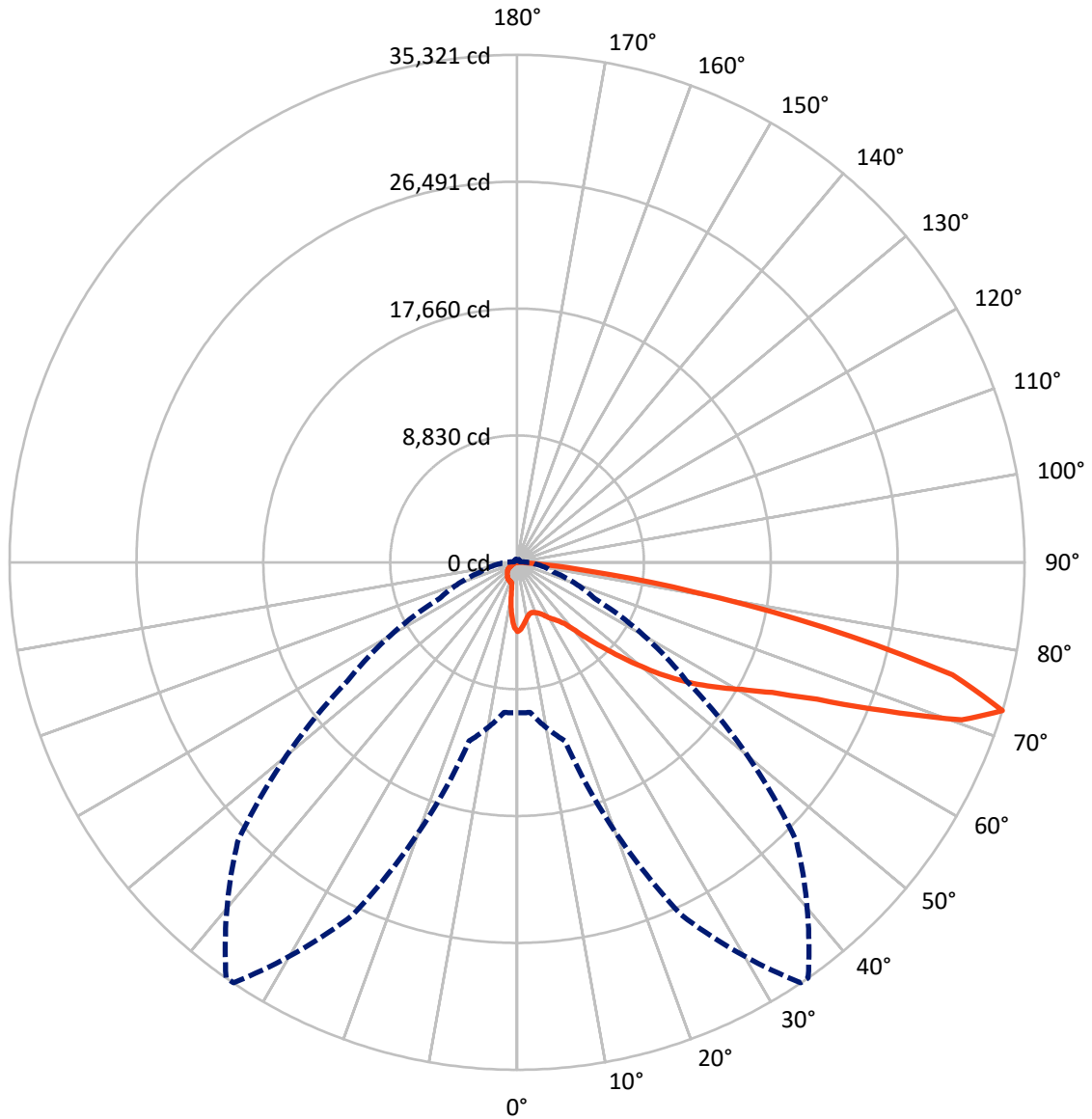
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 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 | 3748.0 | 0.0 | 3748.0 |
| | % Fixture | 11.3 | 0.0 | 11.3 |
| Street Side | Lumens | 29554.0 | 0.0 | 29554.0 |
| | % Fixture | 88.7 | 0.0 | 88.7 |
| Total | Lumens | 33302.0 | 0.0 | 33302.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 396.6 | 1.2 |
| 10°-20° | 927.8 | 2.8 |
| 20°-30° | 1507.2 | 4.5 |
| 30°-40° | 2514.8 | 7.6 |
| 40°-50° | 4758.1 | 14.3 |
| 50°-60° | 7560.6 | 22.7 |
| 60°-70° | 9353.0 | 28.1 |
| 70°-80° | 5813.9 | 17.5 |
| 80°-90° | 469.9 | 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° | 33302.0 | 100.0 |
| 0°-180° | 33302.0 | 100.0 |

Coefficient of Utilization

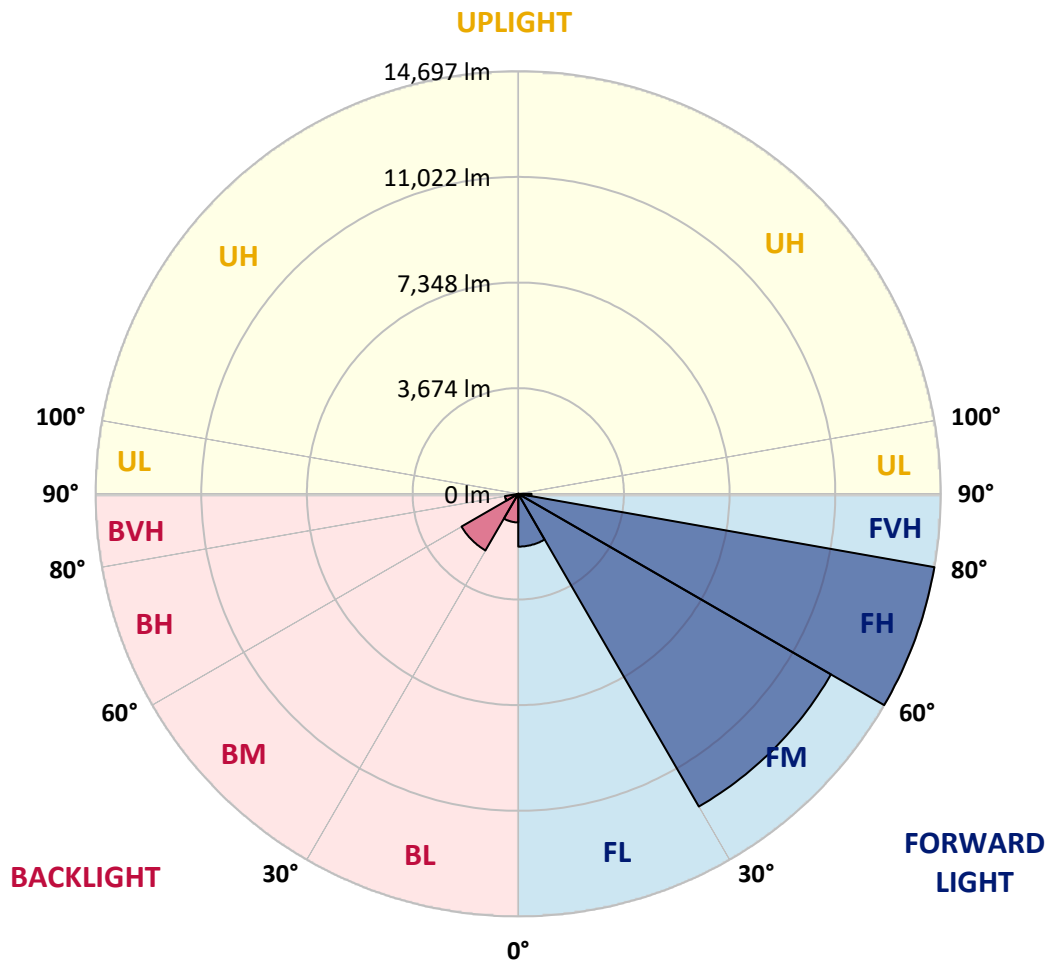


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 1835.8 | 5.5 | | | |
| FM (30°-60°) | 12558.2 | 37.7 | | | |
| FH (60°-80°) | 14696.6 | 44.1 | | | G5 |
| FVH (80°-90°) | 463.5 | 1.4 | | | G3/500 |
| BL (0°-30°) | 995.9 | 3.0 | B2/1000 | | |
| BM (30°-60°) | 2275.4 | 6.8 | B2/2500 | | |
| BH (60°-80°) | 470.3 | 1.4 | B1/500 | | G1/500 |
| BVH (80°-90°) | 6.4 | 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-G5
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 34° | 35° | 45° | 55° | 65° | 75° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 4826.6 | 4826.6 | 4826.6 | 4826.6 | 4826.6 | 4826.6 | 4826.6 | 4826.6 | 4826.6 | 4826.6 |
| 2.5° | 4611.8 | 4650.9 | 4658.2 | 4670.4 | 4670.4 | 4685.0 | 4709.5 | 4743.6 | 4799.7 | 4829.0 |
| 5° | 4250.7 | 4280.0 | 4316.6 | 4345.9 | 4402.0 | 4409.3 | 4504.5 | 4597.2 | 4726.5 | 4824.1 |
| 7.5° | 3887.1 | 3921.3 | 3970.1 | 4040.9 | 4114.1 | 4136.0 | 4280.0 | 4436.2 | 4641.1 | 4824.1 |
| 10° | 3630.9 | 3633.4 | 3677.3 | 3748.0 | 3865.2 | 3892.0 | 4067.7 | 4289.7 | 4546.0 | 4794.9 |
| 12.5° | 3486.9 | 3504.0 | 3523.5 | 3577.2 | 3689.5 | 3706.6 | 3894.4 | 4155.5 | 4450.8 | 4777.8 |
| 15° | 3486.9 | 3499.1 | 3511.3 | 3538.2 | 3628.5 | 3643.1 | 3809.0 | 4070.1 | 4402.0 | 4785.1 |
| 17.5° | 3523.5 | 3543.1 | 3533.3 | 3565.0 | 3660.2 | 3670.0 | 3816.4 | 4045.7 | 4399.6 | 4831.5 |
| 20° | 3611.4 | 3626.0 | 3606.5 | 3626.0 | 3721.2 | 3740.7 | 3892.0 | 4092.1 | 4441.0 | 4912.0 |
| 22.5° | 3750.5 | 3757.8 | 3711.4 | 3726.1 | 3823.7 | 3848.1 | 4023.8 | 4223.9 | 4541.1 | 5041.3 |
| 25° | 3926.2 | 3940.8 | 3870.0 | 3887.1 | 3979.9 | 4009.1 | 4211.7 | 4421.5 | 4699.7 | 5219.4 |
| 27.5° | 4128.7 | 4136.0 | 4075.0 | 4072.6 | 4192.1 | 4233.6 | 4438.6 | 4665.5 | 4912.0 | 5443.9 |
| 30° | 4360.5 | 4382.5 | 4323.9 | 4314.1 | 4465.4 | 4499.6 | 4702.1 | 4965.7 | 5224.3 | 5780.7 |
| 32.5° | 4543.5 | 4560.6 | 4526.4 | 4550.8 | 4704.6 | 4731.4 | 5021.8 | 5390.2 | 5714.8 | 6258.9 |
| 35° | 4807.1 | 4816.8 | 4738.7 | 4782.7 | 4958.3 | 5026.7 | 5458.6 | 5985.6 | 6332.1 | 6859.2 |
| 37.5° | 5761.1 | 5761.1 | 5429.3 | 5212.1 | 5380.5 | 5441.5 | 6056.4 | 6734.8 | 7093.5 | 7664.4 |
| 40° | 7081.3 | 7059.3 | 6573.7 | 6129.6 | 6107.6 | 6227.2 | 6908.0 | 7679.1 | 8076.8 | 8630.7 |
| 42.5° | 8489.2 | 8455.0 | 7793.8 | 7354.6 | 7281.3 | 7322.8 | 7891.4 | 8843.0 | 9248.1 | 9809.3 |
| 45° | 9738.6 | 9728.8 | 9123.6 | 8533.1 | 8401.4 | 8533.1 | 9118.8 | 10204.6 | 10495.0 | 11085.5 |
| 47.5° | 10785.4 | 10785.4 | 10343.7 | 9958.2 | 9889.8 | 9967.9 | 10780.5 | 11715.1 | 11688.2 | 12444.7 |
| 50° | 11990.8 | 11981.0 | 11561.3 | 11395.4 | 11466.2 | 11576.0 | 12693.6 | 13306.0 | 12922.9 | 13779.4 |
| 52.5° | 12835.1 | 12893.6 | 12749.7 | 12722.8 | 13084.0 | 13274.3 | 14635.9 | 14862.8 | 14028.3 | 15045.8 |
| 55° | 13503.7 | 13572.0 | 13737.9 | 13925.8 | 14621.3 | 14870.1 | 16517.2 | 16339.1 | 14953.1 | 16143.9 |
| 57.5° | 14450.4 | 14352.8 | 14609.1 | 14980.0 | 16104.9 | 16405.0 | 18340.0 | 17732.4 | 15697.4 | 17034.5 |
| 60° | 15599.7 | 15614.4 | 15658.3 | 16126.8 | 17586.0 | 17971.6 | 20135.9 | 19050.1 | 16175.6 | 17581.1 |
| 62.5° | 16980.9 | 17002.8 | 17093.1 | 17812.9 | 19574.7 | 19938.3 | 22049.0 | 20128.6 | 16395.2 | 17427.4 |
| 65° | 16885.7 | 16978.4 | 17986.2 | 20448.3 | 22598.0 | 22956.7 | 24281.7 | 20885.1 | 16063.4 | 16021.9 |
| 67.5° | 15382.6 | 15533.9 | 17220.0 | 23596.1 | 27156.2 | 27556.4 | 26980.5 | 21033.9 | 14631.0 | 12459.3 |
| 70° | 13411.0 | 13464.6 | 15492.4 | 26426.6 | 32434.2 | 32839.3 | 29396.2 | 19396.6 | 11102.6 | 6949.5 |
| 72.5° | 10473.0 | 10485.2 | 12864.4 | 27083.0 | 35298.9 | 35320.9 | 27500.3 | 14399.2 | 5971.0 | 2669.5 |
| 75° | 7481.4 | 7408.2 | 8616.1 | 21963.6 | 31055.5 | 31304.4 | 20616.7 | 6754.3 | 2281.5 | 1261.5 |
| 77.5° | 4011.6 | 4092.1 | 4875.4 | 13025.4 | 21453.6 | 21878.2 | 11249.0 | 1947.2 | 1161.5 | 858.9 |
| 80° | 1239.6 | 1307.9 | 1998.5 | 5963.7 | 12151.8 | 12408.1 | 4170.2 | 866.2 | 810.1 | 612.5 |
| 82.5° | 390.4 | 405.1 | 932.1 | 2506.0 | 5043.7 | 5160.9 | 1207.9 | 490.5 | 553.9 | 405.1 |
| 85° | 112.2 | 114.7 | 414.8 | 934.6 | 1246.9 | 1271.3 | 339.2 | 190.3 | 317.2 | 251.3 |
| 87.5° | 12.2 | 39.0 | 156.2 | 156.2 | 109.8 | 107.4 | 36.6 | 41.5 | 90.3 | 31.7 |
| 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° |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4826.6 | 0° | 4826.6 | 4826.6 | 4826.6 | 4826.6 | 4826.6 | 4826.6 | 4826.6 | 4826.6 | 4826.6 | 4826.6 |
| 4848.5 | 2.5° | 4836.3 | 4838.8 | 4807.1 | 4753.4 | 4694.8 | 4646.0 | 4585.0 | 4536.2 | 4502.0 | 4492.3 |
| 4892.5 | 5° | 4870.5 | 4853.4 | 4763.1 | 4599.6 | 4404.4 | 4236.1 | 4048.2 | 3899.3 | 3801.7 | 3760.2 |
| 4938.8 | 7.5° | 4921.7 | 4872.9 | 4675.3 | 4353.2 | 3979.9 | 3648.0 | 3311.3 | 3050.2 | 2884.2 | 2801.3 |
| 4982.7 | 10° | 4965.7 | 4868.1 | 4528.9 | 3996.9 | 3425.9 | 2923.3 | 2469.4 | 2154.6 | 1978.9 | 1896.0 |
| 5034.0 | 12.5° | 5007.1 | 4865.6 | 4338.6 | 3574.8 | 2801.3 | 2186.4 | 1764.2 | 1608.0 | 1559.2 | 1542.2 |
| 5117.0 | 15° | 5085.2 | 4872.9 | 4099.4 | 3091.6 | 2179.0 | 1652.0 | 1498.2 | 1495.8 | 1505.6 | 1500.7 |
| 5243.8 | 17.5° | 5192.6 | 4880.3 | 3828.6 | 2579.2 | 1681.2 | 1456.8 | 1449.4 | 1471.4 | 1486.0 | 1478.7 |
| 5402.4 | 20° | 5331.7 | 4909.5 | 3540.6 | 2071.7 | 1444.6 | 1408.0 | 1425.0 | 1444.6 | 1456.8 | 1444.6 |
| 5614.7 | 22.5° | 5526.9 | 4960.8 | 3225.9 | 1664.2 | 1368.9 | 1378.7 | 1393.3 | 1415.3 | 1427.5 | 1410.4 |
| 5885.6 | 25° | 5766.0 | 5041.3 | 2916.0 | 1447.0 | 1332.3 | 1344.5 | 1366.5 | 1390.9 | 1405.5 | 1388.4 |
| 6227.2 | 27.5° | 6075.9 | 5170.6 | 2630.5 | 1398.2 | 1295.7 | 1303.0 | 1334.8 | 1371.4 | 1390.9 | 1368.9 |
| 6712.8 | 30° | 6524.9 | 5382.9 | 2384.0 | 1420.2 | 1273.7 | 1256.7 | 1300.6 | 1351.8 | 1373.8 | 1354.3 |
| 7374.1 | 32.5° | 7120.3 | 5683.1 | 2232.7 | 1454.3 | 1264.0 | 1203.0 | 1244.5 | 1310.3 | 1347.0 | 1334.8 |
| 8237.9 | 35° | 7901.1 | 6139.4 | 2174.2 | 1493.4 | 1256.7 | 1146.9 | 1176.1 | 1246.9 | 1310.3 | 1322.6 |
| 9326.2 | 37.5° | 8847.9 | 6773.8 | 2191.2 | 1510.4 | 1234.7 | 1100.5 | 1115.1 | 1176.1 | 1259.1 | 1298.1 |
| 10551.1 | 40° | 9924.0 | 7513.2 | 2288.8 | 1493.4 | 1210.3 | 1061.5 | 1063.9 | 1110.3 | 1183.5 | 1242.0 |
| 11868.8 | 42.5° | 11034.3 | 8377.0 | 2469.4 | 1429.9 | 1188.3 | 1027.3 | 1020.0 | 1051.7 | 1100.5 | 1142.0 |
| 13184.0 | 45° | 12090.8 | 9265.2 | 2647.5 | 1342.1 | 1161.5 | 993.1 | 976.1 | 988.3 | 998.0 | 1015.1 |
| 14465.1 | 47.5° | 13013.2 | 9889.8 | 2596.3 | 1261.5 | 1124.9 | 954.1 | 924.8 | 919.9 | 890.6 | 888.2 |
| 15609.5 | 50° | 13650.1 | 10026.5 | 2305.9 | 1181.0 | 1071.2 | 910.2 | 863.8 | 834.5 | 783.3 | 758.9 |
| 16466.0 | 52.5° | 13852.6 | 9487.2 | 1883.8 | 1100.5 | 983.4 | 851.6 | 785.7 | 739.4 | 675.9 | 654.0 |
| 16958.9 | 55° | 13584.2 | 8430.6 | 1505.6 | 1002.9 | 861.4 | 773.5 | 700.3 | 639.3 | 588.1 | 561.2 |
| 17012.6 | 57.5° | 12927.8 | 7086.1 | 1190.8 | 888.2 | 732.0 | 685.7 | 612.5 | 551.5 | 507.5 | 480.7 |
| 16417.2 | 60° | 11839.5 | 5626.9 | 941.9 | 751.6 | 624.7 | 590.5 | 514.9 | 475.8 | 436.8 | 405.1 |
| 14879.9 | 62.5° | 10187.5 | 4016.5 | 739.4 | 595.4 | 522.2 | 483.1 | 439.2 | 409.9 | 363.6 | 319.7 |
| 12115.2 | 65° | 7949.9 | 2457.2 | 571.0 | 436.8 | 419.7 | 400.2 | 373.3 | 346.5 | 290.4 | 246.5 |
| 7903.6 | 67.5° | 5014.5 | 1163.9 | 407.5 | 329.4 | 331.9 | 322.1 | 309.9 | 287.9 | 246.5 | 207.4 |
| 3540.6 | 70° | 2208.3 | 563.7 | 268.4 | 251.3 | 246.5 | 246.5 | 256.2 | 248.9 | 209.9 | 173.2 |
| 1229.8 | 72.5° | 751.6 | 302.6 | 200.1 | 190.3 | 178.1 | 175.7 | 214.7 | 207.4 | 168.4 | 134.2 |
| 612.5 | 75° | 392.9 | 202.5 | 146.4 | 136.6 | 107.4 | 129.3 | 170.8 | 161.0 | 119.6 | 87.8 |
| 405.1 | 77.5° | 256.2 | 144.0 | 100.0 | 87.8 | 61.0 | 85.4 | 126.9 | 112.2 | 70.8 | 43.9 |
| 266.0 | 80° | 161.0 | 95.2 | 58.6 | 41.5 | 29.3 | 46.4 | 68.3 | 48.8 | 26.8 | 9.8 |
| 156.2 | 82.5° | 85.4 | 48.8 | 22.0 | 14.6 | 12.2 | 14.6 | 17.1 | 12.2 | 4.9 | 0.0 |
| 80.5 | 85° | 34.2 | 17.1 | 7.3 | 4.9 | 2.4 | 0.0 | 4.9 | 2.4 | 0.0 | 0.0 |
| 14.6 | 87.5° | 12.2 | 2.4 | 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/> |
| 4826.6 |
| 4509.4 |
| 3774.9 |
| 2813.5 |
| 1898.4 |
| 1537.3 |
| 1498.2 |
| 1476.3 |
| 1442.1 |
| 1408.0 |
| 1386.0 |
| 1368.9 |
| 1351.8 |
| 1334.8 |
| 1322.6 |
| 1307.9 |
| 1261.5 |
| 1159.1 |
| 1024.9 |
| 885.8 |
| 761.3 |
| 651.5 |
| 561.2 |
| 475.8 |
| 397.7 |
| 312.3 |
| 239.1 |
| 202.5 |
| 165.9 |
| 126.9 |
| 80.5 |
| 39.0 |
| 7.3 |
| 0.0 |
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| 0.0 |
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