

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: P852798

Luminaire Tested: **GLAN-SB6C-727-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852798
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-SB6C-727-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 615mA 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: 30579 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

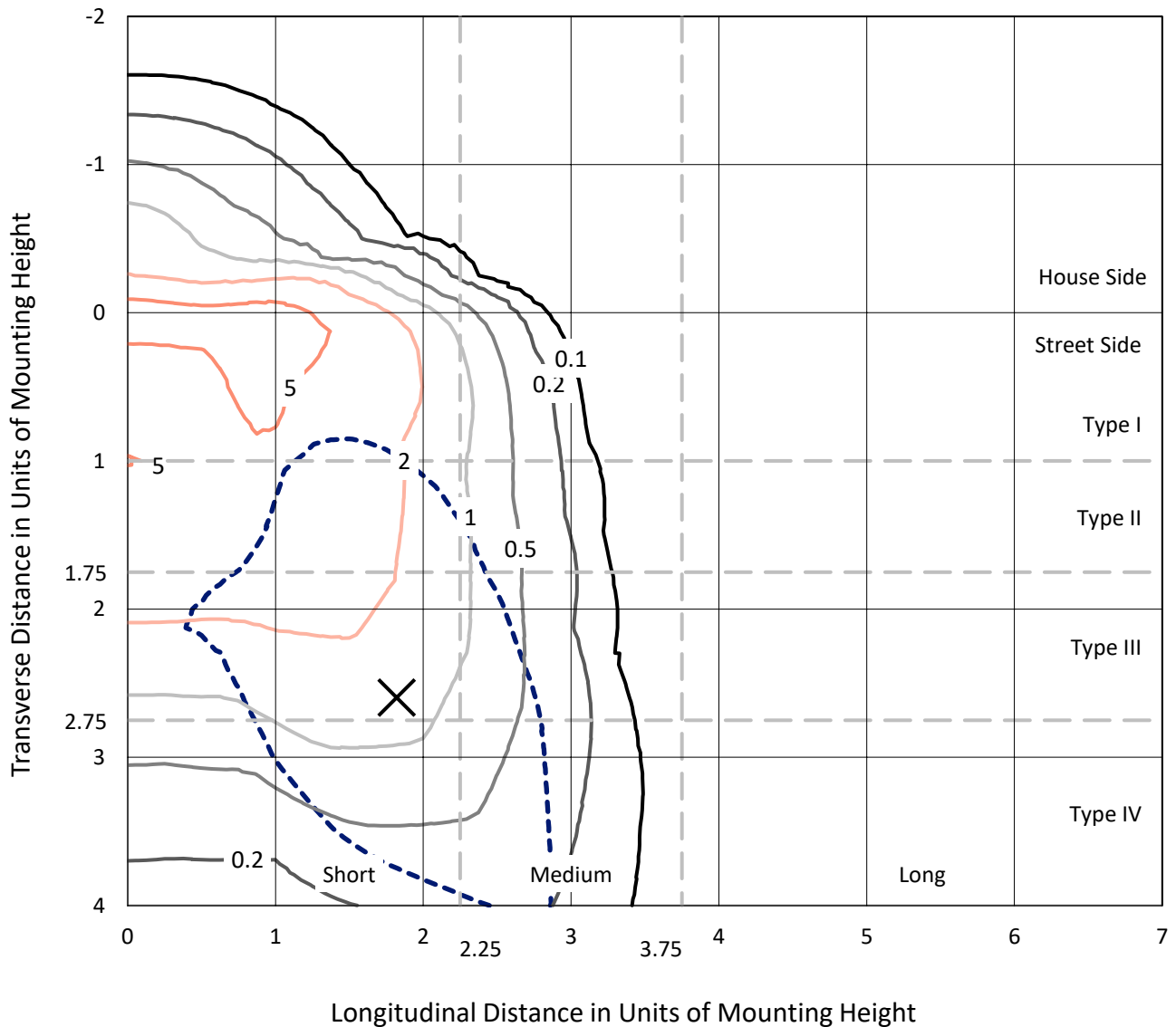
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

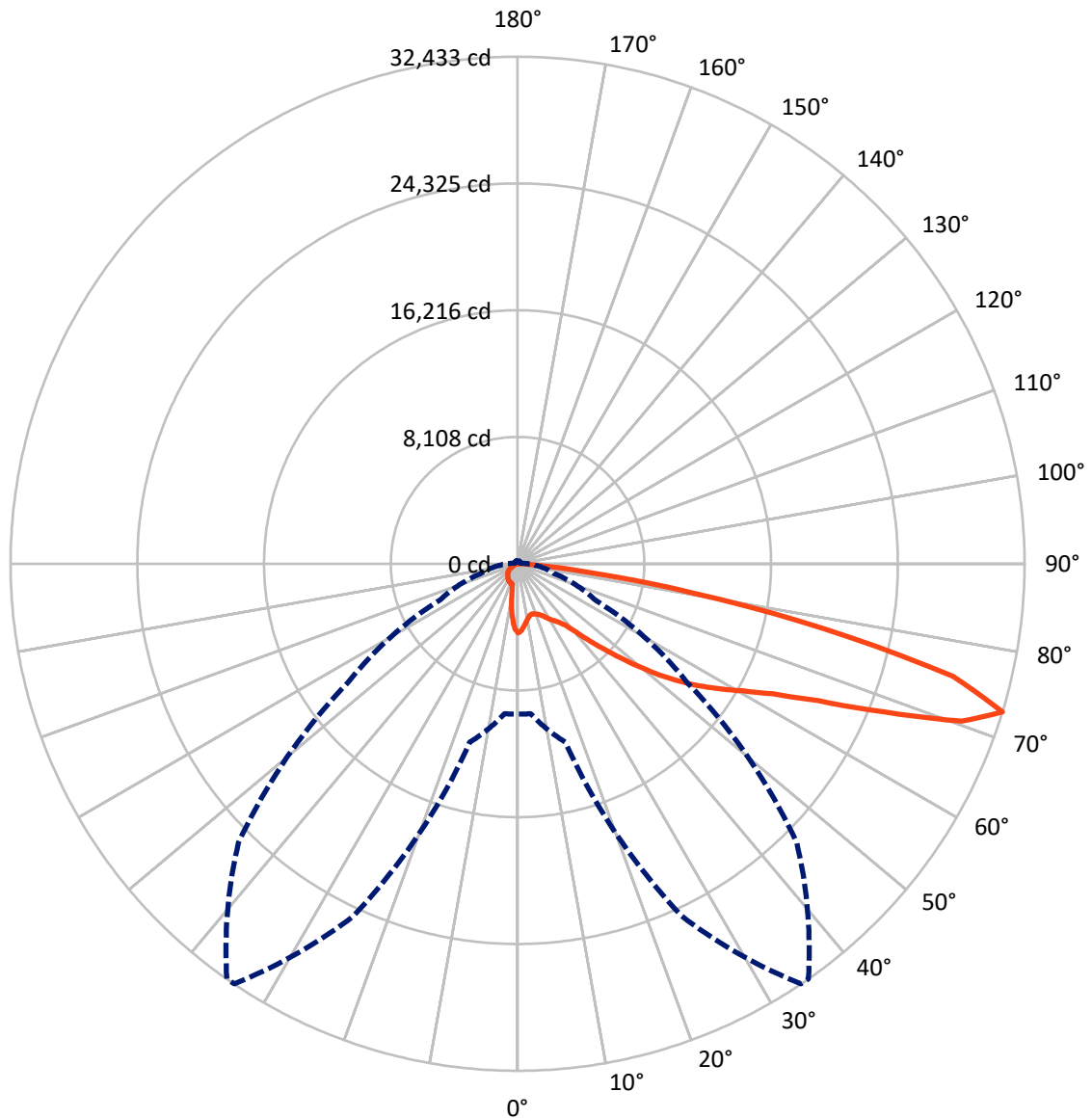
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 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 | 3441.5 | 0.0 | 3441.5 |
| | % Fixture | 11.3 | 0.0 | 11.3 |
| Street Side | Lumens | 27137.5 | 0.0 | 27137.5 |
| | % Fixture | 88.7 | 0.0 | 88.7 |
| Total | Lumens | 30579.0 | 0.0 | 30579.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 364.2 | 1.2 |
| 10°-20° | 852.0 | 2.8 |
| 20°-30° | 1384.0 | 4.5 |
| 30°-40° | 2309.2 | 7.6 |
| 40°-50° | 4369.1 | 14.3 |
| 50°-60° | 6942.4 | 22.7 |
| 60°-70° | 8588.2 | 28.1 |
| 70°-80° | 5338.5 | 17.5 |
| 80°-90° | 431.4 | 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° | 30579.0 | 100.0 |
| 0°-180° | 30579.0 | 100.0 |

Coefficient of Utilization

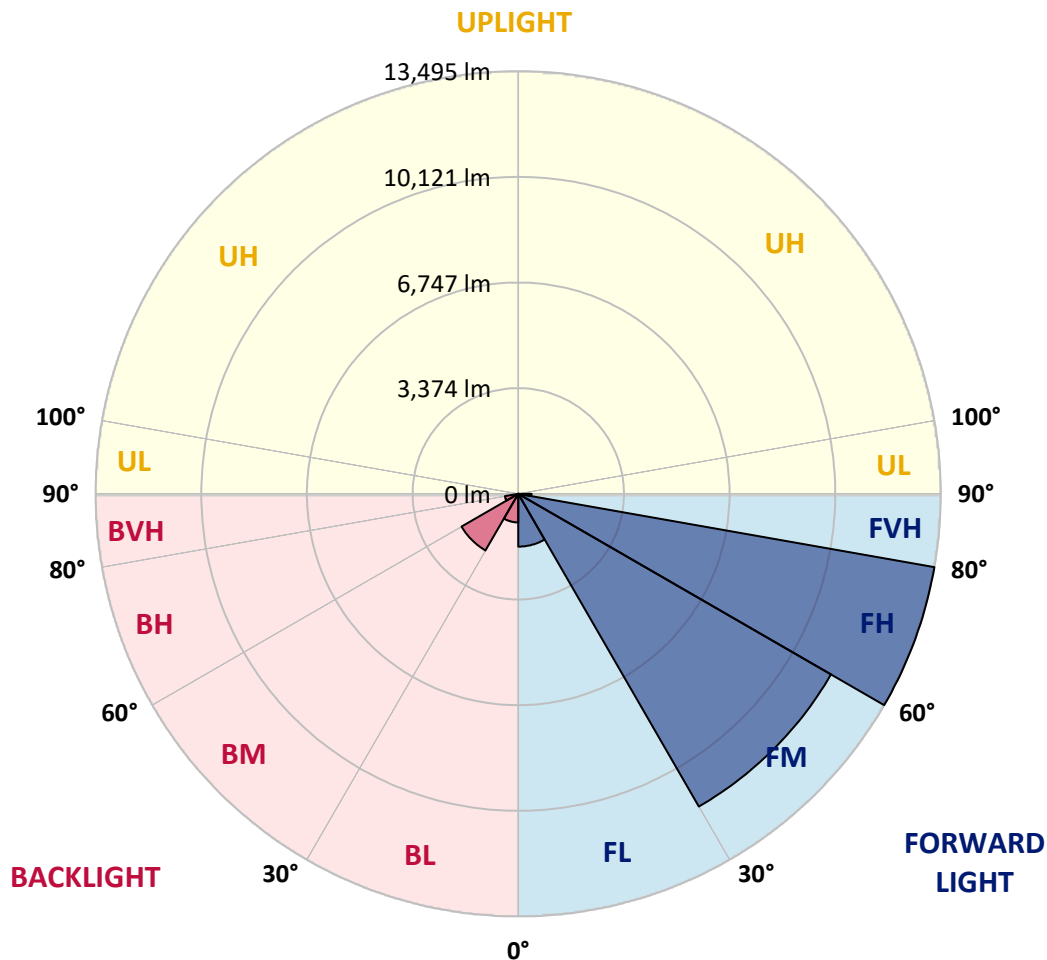


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 1685.7 | 5.5 | | | |
| FM (30°-60°) | 11531.3 | 37.7 | | | |
| FH (60°-80°) | 13494.9 | 44.1 | | | G5 |
| FVH (80°-90°) | 425.6 | 1.4 | | | G3/500 |
| BL (0°-30°) | 914.5 | 3.0 | B2/1000 | | |
| BM (30°-60°) | 2089.3 | 6.8 | B2/2500 | | |
| BH (60°-80°) | 431.9 | 1.4 | B1/500 | | G1/500 |
| BVH (80°-90°) | 5.9 | 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° | 4431.9 | 4431.9 | 4431.9 | 4431.9 | 4431.9 | 4431.9 | 4431.9 | 4431.9 | 4431.9 | 4431.9 |
| 2.5° | 4234.7 | 4270.6 | 4277.3 | 4288.5 | 4288.5 | 4302.0 | 4324.4 | 4355.7 | 4407.3 | 4434.2 |
| 5° | 3903.1 | 3930.0 | 3963.6 | 3990.5 | 4042.1 | 4048.8 | 4136.2 | 4221.3 | 4340.1 | 4429.7 |
| 7.5° | 3569.3 | 3600.7 | 3645.5 | 3710.4 | 3777.7 | 3797.8 | 3930.0 | 4073.4 | 4261.6 | 4429.7 |
| 10° | 3334.0 | 3336.3 | 3376.6 | 3441.6 | 3549.1 | 3573.8 | 3735.1 | 3939.0 | 4174.3 | 4402.8 |
| 12.5° | 3201.8 | 3217.5 | 3235.4 | 3284.7 | 3387.8 | 3403.5 | 3576.0 | 3815.8 | 4086.9 | 4387.1 |
| 15° | 3201.8 | 3213.0 | 3224.2 | 3248.9 | 3331.8 | 3345.2 | 3497.6 | 3737.3 | 4042.1 | 4393.8 |
| 17.5° | 3235.4 | 3253.4 | 3244.4 | 3273.5 | 3360.9 | 3369.9 | 3504.3 | 3714.9 | 4039.8 | 4436.4 |
| 20° | 3316.1 | 3329.5 | 3311.6 | 3329.5 | 3416.9 | 3434.9 | 3573.8 | 3757.5 | 4077.9 | 4510.3 |
| 22.5° | 3443.8 | 3450.5 | 3408.0 | 3421.4 | 3511.0 | 3533.4 | 3694.8 | 3878.5 | 4169.8 | 4629.1 |
| 25° | 3605.1 | 3618.6 | 3553.6 | 3569.3 | 3654.4 | 3681.3 | 3867.3 | 4060.0 | 4315.4 | 4792.7 |
| 27.5° | 3791.1 | 3797.8 | 3741.8 | 3739.6 | 3849.4 | 3887.5 | 4075.7 | 4284.0 | 4510.3 | 4998.8 |
| 30° | 4004.0 | 4024.1 | 3970.4 | 3961.4 | 4100.3 | 4131.7 | 4317.7 | 4559.6 | 4797.1 | 5308.0 |
| 32.5° | 4172.0 | 4187.7 | 4156.3 | 4178.7 | 4319.9 | 4344.5 | 4611.2 | 4949.5 | 5247.5 | 5747.2 |
| 35° | 4414.0 | 4423.0 | 4351.3 | 4391.6 | 4552.9 | 4615.7 | 5012.2 | 5496.2 | 5814.4 | 6298.3 |
| 37.5° | 5290.1 | 5290.1 | 4985.4 | 4785.9 | 4940.5 | 4996.6 | 5561.2 | 6184.1 | 6513.4 | 7037.7 |
| 40° | 6502.2 | 6482.1 | 6036.2 | 5628.4 | 5608.2 | 5718.0 | 6343.2 | 7051.2 | 7416.4 | 7925.0 |
| 42.5° | 7795.1 | 7763.7 | 7156.5 | 6753.2 | 6686.0 | 6724.1 | 7246.1 | 8120.0 | 8491.9 | 9007.2 |
| 45° | 8942.3 | 8933.3 | 8377.6 | 7835.4 | 7714.4 | 7835.4 | 8373.2 | 9370.2 | 9636.9 | 10179.1 |
| 47.5° | 9903.5 | 9903.5 | 9497.9 | 9143.9 | 9081.2 | 9152.9 | 9899.0 | 10757.2 | 10732.5 | 11427.1 |
| 50° | 11010.3 | 11001.4 | 10616.0 | 10463.6 | 10528.6 | 10629.4 | 11655.6 | 12218.0 | 11866.3 | 12652.7 |
| 52.5° | 11785.6 | 11839.4 | 11707.2 | 11682.5 | 12014.1 | 12188.9 | 13439.2 | 13647.5 | 12881.3 | 13815.6 |
| 55° | 12399.5 | 12462.3 | 12614.6 | 12787.1 | 13425.7 | 13654.3 | 15166.7 | 15003.1 | 13730.4 | 14823.9 |
| 57.5° | 13268.9 | 13179.3 | 13414.5 | 13755.1 | 14788.0 | 15063.6 | 16840.4 | 16282.5 | 14413.8 | 15641.7 |
| 60° | 14324.2 | 14337.6 | 14378.0 | 14808.2 | 16148.1 | 16502.1 | 18489.5 | 17492.4 | 14853.0 | 16143.6 |
| 62.5° | 15592.4 | 15612.6 | 15695.5 | 16356.4 | 17974.2 | 18308.0 | 20246.1 | 18482.8 | 15054.6 | 16002.4 |
| 65° | 15505.0 | 15590.1 | 16515.5 | 18776.3 | 20750.3 | 21079.6 | 22296.3 | 19177.4 | 14749.9 | 14711.8 |
| 67.5° | 14124.8 | 14263.7 | 15812.0 | 21666.7 | 24935.7 | 25303.2 | 24774.4 | 19314.0 | 13434.7 | 11440.5 |
| 70° | 12314.4 | 12363.7 | 14225.6 | 24265.8 | 29782.2 | 30154.1 | 26992.6 | 17810.6 | 10194.8 | 6381.3 |
| 72.5° | 9616.7 | 9627.9 | 11812.5 | 24868.5 | 32412.6 | 32432.8 | 25251.7 | 13221.8 | 5482.8 | 2451.2 |
| 75° | 6869.7 | 6802.5 | 7911.6 | 20167.7 | 28516.2 | 28744.8 | 18930.9 | 6202.0 | 2095.0 | 1158.4 |
| 77.5° | 3683.6 | 3757.5 | 4476.7 | 11960.4 | 19699.4 | 20089.3 | 10329.2 | 1788.0 | 1066.5 | 788.7 |
| 80° | 1138.2 | 1201.0 | 1835.1 | 5476.0 | 11158.2 | 11393.5 | 3829.2 | 795.4 | 743.9 | 562.4 |
| 82.5° | 358.5 | 371.9 | 855.9 | 2301.1 | 4631.3 | 4738.9 | 1109.1 | 450.4 | 508.6 | 371.9 |
| 85° | 103.1 | 105.3 | 380.9 | 858.2 | 1145.0 | 1167.4 | 311.4 | 174.8 | 291.3 | 230.8 |
| 87.5° | 11.2 | 35.8 | 143.4 | 143.4 | 100.8 | 98.6 | 33.6 | 38.1 | 82.9 | 29.1 |
| 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° |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4431.9 | 0° | 4431.9 | 4431.9 | 4431.9 | 4431.9 | 4431.9 | 4431.9 | 4431.9 | 4431.9 | 4431.9 | 4431.9 |
| 4452.1 | 2.5° | 4440.9 | 4443.1 | 4414.0 | 4364.7 | 4310.9 | 4266.1 | 4210.1 | 4165.3 | 4133.9 | 4125.0 |
| 4492.4 | 5° | 4472.3 | 4456.6 | 4373.7 | 4223.5 | 4044.3 | 3889.7 | 3717.2 | 3580.5 | 3490.9 | 3452.8 |
| 4535.0 | 7.5° | 4519.3 | 4474.5 | 4293.0 | 3997.2 | 3654.4 | 3349.7 | 3040.5 | 2800.8 | 2648.4 | 2572.2 |
| 4575.3 | 10° | 4559.6 | 4470.0 | 4158.6 | 3670.1 | 3145.8 | 2684.2 | 2267.5 | 1978.5 | 1817.1 | 1741.0 |
| 4622.4 | 12.5° | 4597.7 | 4467.8 | 3983.8 | 3282.5 | 2572.2 | 2007.6 | 1620.0 | 1476.6 | 1431.7 | 1416.1 |
| 4698.6 | 15° | 4669.4 | 4474.5 | 3764.2 | 2838.9 | 2000.9 | 1516.9 | 1375.7 | 1373.5 | 1382.5 | 1378.0 |
| 4815.1 | 17.5° | 4768.0 | 4481.2 | 3515.5 | 2368.3 | 1543.8 | 1337.6 | 1330.9 | 1351.1 | 1364.5 | 1357.8 |
| 4960.7 | 20° | 4895.7 | 4508.1 | 3251.1 | 1902.3 | 1326.4 | 1292.8 | 1308.5 | 1326.4 | 1337.6 | 1326.4 |
| 5155.6 | 22.5° | 5075.0 | 4555.2 | 2962.1 | 1528.1 | 1257.0 | 1265.9 | 1279.4 | 1299.6 | 1310.8 | 1295.1 |
| 5404.3 | 25° | 5294.6 | 4629.1 | 2677.5 | 1328.7 | 1223.4 | 1234.6 | 1254.7 | 1277.1 | 1290.6 | 1274.9 |
| 5718.0 | 27.5° | 5579.1 | 4747.8 | 2415.4 | 1283.9 | 1189.8 | 1196.5 | 1225.6 | 1259.2 | 1277.1 | 1257.0 |
| 6163.9 | 30° | 5991.4 | 4942.8 | 2189.1 | 1304.0 | 1169.6 | 1153.9 | 1194.2 | 1241.3 | 1261.5 | 1243.5 |
| 6771.1 | 32.5° | 6538.1 | 5218.4 | 2050.2 | 1335.4 | 1160.6 | 1104.6 | 1142.7 | 1203.2 | 1236.8 | 1225.6 |
| 7564.3 | 35° | 7255.1 | 5637.4 | 1996.4 | 1371.3 | 1153.9 | 1053.1 | 1080.0 | 1145.0 | 1203.2 | 1214.4 |
| 8563.6 | 37.5° | 8124.4 | 6219.9 | 2012.1 | 1386.9 | 1133.7 | 1010.5 | 1024.0 | 1080.0 | 1156.2 | 1192.0 |
| 9688.4 | 40° | 9112.6 | 6898.8 | 2101.7 | 1371.3 | 1111.3 | 974.7 | 976.9 | 1019.5 | 1086.7 | 1140.5 |
| 10898.3 | 42.5° | 10132.0 | 7692.0 | 2267.5 | 1313.0 | 1091.2 | 943.3 | 936.6 | 965.7 | 1010.5 | 1048.6 |
| 12106.0 | 45° | 11102.2 | 8507.6 | 2431.1 | 1232.3 | 1066.5 | 911.9 | 896.2 | 907.4 | 916.4 | 932.1 |
| 13282.3 | 47.5° | 11949.2 | 9081.2 | 2384.0 | 1158.4 | 1032.9 | 876.1 | 849.2 | 844.7 | 817.8 | 815.6 |
| 14333.2 | 50° | 12534.0 | 9206.7 | 2117.4 | 1084.5 | 983.6 | 835.7 | 793.2 | 766.3 | 719.2 | 696.8 |
| 15119.6 | 52.5° | 12719.9 | 8711.5 | 1729.7 | 1010.5 | 903.0 | 782.0 | 721.5 | 678.9 | 620.6 | 600.5 |
| 15572.2 | 55° | 12473.5 | 7741.3 | 1382.5 | 920.9 | 790.9 | 710.3 | 643.1 | 587.0 | 540.0 | 515.3 |
| 15621.5 | 57.5° | 11870.7 | 6506.7 | 1093.4 | 815.6 | 672.2 | 629.6 | 562.4 | 506.4 | 466.0 | 441.4 |
| 15074.8 | 60° | 10871.4 | 5166.8 | 864.9 | 690.1 | 573.6 | 542.2 | 472.8 | 436.9 | 401.1 | 371.9 |
| 13663.2 | 62.5° | 9354.5 | 3688.0 | 678.9 | 546.7 | 479.5 | 443.6 | 403.3 | 376.4 | 333.9 | 293.5 |
| 11124.6 | 65° | 7299.9 | 2256.3 | 524.3 | 401.1 | 385.4 | 367.5 | 342.8 | 318.2 | 266.6 | 226.3 |
| 7257.3 | 67.5° | 4604.4 | 1068.8 | 374.2 | 302.5 | 304.7 | 295.8 | 284.6 | 264.4 | 226.3 | 190.5 |
| 3251.1 | 70° | 2027.8 | 517.6 | 246.5 | 230.8 | 226.3 | 226.3 | 235.3 | 228.5 | 192.7 | 159.1 |
| 1129.3 | 72.5° | 690.1 | 277.8 | 183.7 | 174.8 | 163.6 | 161.3 | 197.2 | 190.5 | 154.6 | 123.2 |
| 562.4 | 75° | 360.7 | 186.0 | 134.4 | 125.5 | 98.6 | 118.8 | 156.8 | 147.9 | 109.8 | 80.7 |
| 371.9 | 77.5° | 235.3 | 132.2 | 91.9 | 80.7 | 56.0 | 78.4 | 116.5 | 103.1 | 65.0 | 40.3 |
| 244.2 | 80° | 147.9 | 87.4 | 53.8 | 38.1 | 26.9 | 42.6 | 62.7 | 44.8 | 24.6 | 9.0 |
| 143.4 | 82.5° | 78.4 | 44.8 | 20.2 | 13.4 | 11.2 | 13.4 | 15.7 | 11.2 | 4.5 | 0.0 |
| 73.9 | 85° | 31.4 | 15.7 | 6.7 | 4.5 | 2.2 | 0.0 | 4.5 | 2.2 | 0.0 | 0.0 |
| 13.4 | 87.5° | 11.2 | 2.2 | 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° |
|--------|
| 4431.9 |
| 4140.6 |
| 3466.2 |
| 2583.4 |
| 1743.2 |
| 1411.6 |
| 1375.7 |
| 1355.6 |
| 1324.2 |
| 1292.8 |
| 1272.7 |
| 1257.0 |
| 1241.3 |
| 1225.6 |
| 1214.4 |
| 1201.0 |
| 1158.4 |
| 1064.3 |
| 941.1 |
| 813.3 |
| 699.1 |
| 598.2 |
| 515.3 |
| 436.9 |
| 365.2 |
| 286.8 |
| 219.6 |
| 186.0 |
| 152.4 |
| 116.5 |
| 73.9 |
| 35.8 |
| 6.7 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |

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